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

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2023/10909 ~ Complete ~54:GIRDER-ERECTING METHOD ~71:CHINA RAILWAY HI-TECH INDUSTRY CORPORATION LIMITED., Room 4301, 43rd Floor, Building 3, Yard 1, East Automobile Museum Road, Fengtai District, Beijing, 100160, People's Republic of China;China Railway Jiujiang Bridge Engineering Co., Ltd., No. 148, Binjiang East Road, Xunyang District, Jiujiang, Jiangxi, 33200, People's Republic of China ~72: BAI, Kongming;CHEN, Yi;GAO, Feng;LI, Tong;LIANG, Hui;MIN, Li;REN, Huatao;WANG, Zhaohua;XIA, Chaojuan;YANG, Zhiming;ZHENG, Yi;ZHU, Dongming~ 33:CN ~31:202210496923.5 ~32:09/05/2022

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2023/10931 ~ Complete ~54:TEXTILE BACKSHEET ~71:Berry Global, Inc., 101 Oakley Street, EVANSVILLE 47710, IN, USA, United States of America ~72: ALSLEBEN, Kay;ESCHENBACHER, Frank;GARCIA, Robert;VAN KERREBROUCK, Jozef~ 33:US ~31:63/194,348 ~32:28/05/2021

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2023/10928 ~ Complete ~54:TREM2 AGONIST BIOMARKERS AND METHODS OF USE THEREOF ~71:Vigil Neuroscience, Inc., One Broadway Suite 07-300, CAMBRIDGE 02142, MA, USA, United States of America ~72: FISHER, Richard;LARSON, Kelley C.;LYNCH, Berkley A.;MANDELBLAT-CERF, Yael;PAPAPETROPOULOS, Spyridon;THACKABERRY, Evan Andrew~ 33:US ~31:63/202,150 ~32:28/05/2021;33:US ~31:63/262,942 ~32:22/10/2021

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2023/10898 ~ Complete ~54:PANT SUITABLE FOR PATIENTS WITH URETER ABDOMINAL WALL STOMA ~71:Harbin Medical University, No. 157, Baojian Road, Nangang Dist., Harbin, Heilongjiang, People's Republic of China ~72: Liwen Sun~

2023/10900 ~ Complete ~54:CALCULATION METHOD OF POLISHING REMOVAL RATE FOR ALUMINUM GATE CMP ~71:TANGSHAN UNIVERSITY, No. 11 University West Road, Hi-tech Zone, Tangshan, Hebei Province, People's Republic of China ~72: XUE Yali;ZHANG Jin~

2023/10889 ~ Provisional ~54:A CABLE ANCHORING DEVICE AND METHOD ~71:MOTSWAI, Lucas Medupe, 2212 Matshelapata Section, HEBRON, Brits 0193, North West Province, SOUTH AFRICA, South Africa ~72: MOTSWAI, Lucas Medupe~

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2023/10902 ~ Complete ~54:A TRAFFIC LIGHT SYSTEM ~71:ENDLEKO POSSIBLE NWAILA, 1996 Tholo Street, South Africa;REWARD JONAS MADALANE, 4090 Kgotso Street, South Africa ~72: ENDLEKO POSSIBLE NWAILA;REWARD JONAS MADALANE~ 33:ZA ~31:2023/03186 ~32:21/02/2023

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2023/10908 ~ Complete ~54:CO-THERAPY WITH VECTOR AND NICOTINIC AGONIST ~71:OYSTER POINT PHARMA, INC., 202 Carnegie Center, Suite 106, Princeton, United States of America ~72: CARLSON, Eric C.;NAU, Jeffrey Alan~ 33:US ~31:63/185,897 ~32:07/05/2021

2023/10933 ~ Complete ~54:ELECTRONIC DEVICE PERFORMING OPERATION IN RESPONSE TO OVER-HEATED STATE, AND METHOD FOR OPERATING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: JANGGUN BAE;KYOUNGHO LEE;SUNGSICK KIM~ 33:KR ~31:10-2021-0078270 ~32:16/06/2021

. - APPLIED ON 2023/11/28 -

2023/10971 ~ Complete ~54:FIBROBLAST ACTIVATION PROTEIN INHIBITORS AND USE THEREOF ~71:3B PHARMACEUTICALS GMBH, Magnusstrasse 11, Germany ~72: Aileen HÖHNE;Anne BREDENBECK;Christian HAASE;Christiane SMERLING;Christoph GIBSON;Dirk ZBORALSKI;Frank OSTERKAMP;Jörn SAUPE;Jan UNGEWISS;Jessica WAHSNER-TESCHNER;Matthias PASCHKE;Ulrich REINEKE~ 33:EP ~31:21187424.3 ~32:23/07/2021

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2023/10966 ~ Complete ~54:PHARMACEUTICAL COMPOSITION AND USE THEREOF IN REGULATING FIBROBLAST GROWTH ~71:BEIJING RONGXIANG INSTITUTE OF REGENERATIVE MEDICINE CO., LTD, Building 9, Yard 26, Xihuan South Road, Beijing Economic and Technological Development Zone, People's Republic of China;LI LI, Building 9, Yard 26, Xihuan South Road, Beijing Economic and Technological Development Zone, People's Republic of China ~72: LI, Li~

2023/10968 ~ Complete ~54:AN AUTOMATIC FOLDING DEVICE FOR RICE SEEDLING TRAY ~71:Lu'an Xiangchuan Technology Co., Ltd., 80 Meters East of Huaibin Road and Linfeng Road, Linhuaigang Township, Huoqiu County, Lu'an City, Anhui Province, 237484, People's Republic of China ~72: Jiyun Shen;Xiuqin Hu~

2023/10963 ~ Complete ~54:QUANTUM RADAR EXPERIMENTAL DEVICE BASED ON A QUANTUM STATE COMPARATOR ~71:BEIJING INSTITUTE OF TECHNOLOGY, No. 5 Zhongguancun South Street, Haidian District, People's Republic of China ~72: ZHANG, Shengli~

2023/10957 ~ Complete ~54:MINERAL INFORMATION IDENTIFICATION SYSTEM AND METHOD BASED ON SPECTRAL ENHANCEMENT ~71:China Aero Geophysical Survey and Remote Sensing Center for Natural Resources, 267North Fourth Ring Road, Haidian District, Beijing, People's Republic of China ~72: BIAN Yu;CHEN Ling;DANG Fuxing;JIA Weijie;SUN Ang;WANG Mengfei;YANG Yongpeng~ 33:CN ~31:2023105499091 ~32:16/05/2023

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2023/10947 ~ Complete ~54:AMPHOTERIC ION CONDUCTING MEMBRANE FOR FLOW BATTERY, PREPARATION METHOD THEREFOR, AND FLOW BATTERY ~71:Taishan University, Middle Section of Yingbin Avenue, Tai'an City, Tai'an City, 271021, People's Republic of China ~72: HAN, Yinfeng;TAN, Qinglong;WANG, Mingjuan;ZHAO, Fei~

2023/10959 ~ Complete ~54:NOVEL ENGINEERED T CELL RECEPTORS AND IMMUNE THERAPY USING THE SAME ~71:Immatics Biotechnologies GmbH, Paul-Ehrlich-Straße 15, TÜBINGEN 72076, GERMANY, Germany ~72: ALTEN, Leonie;BUNK, Sebastian;HOFMANN, Martin;HUTT, Meike;MAURER, Dominik;UNVERDORBEN, Felix;WAGNER, Claudia~ 33:DE ~31:10 2017 125 888.4 ~32:06/11/2017;33:US ~31:62/582,202 ~32:06/11/2017

2023/10970 ~ Complete ~54:A SUPPORT FOR A DIPOLE CONNECTOR ~71:BICK, Anthony Aaron, 41b 4th Avenue, Illovo, Sandton, South Africa;FANAROFF, Stanley, c/o Stan Fanaroff & Associates, 107 Oxford Road, Rosebank, South Africa ~72: BICK, Anthony Aaron;CONFAIT, Jean-Pierre Julius;HE, Chengmin~ 33:ZA ~31:2021/03489 ~32:24/05/2021

2023/10979 ~ Complete ~54:A METHOD OF DYNAMIC SWITCH INDICATION ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: BO GAO;KE YAO;SHIJIA SHAO;SHUJUAN ZHANG;YANG ZHANG;ZHAOHUA LU~

2023/10977 ~ Complete ~54:ABATEMENT OF LOW LEVEL METHANE THROUGH THE USE OF CATALYTIC, EARTH-ABUNDANT MATERIALS ~71:MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue, Cambridge, Massachusetts, 02139, United States of America ~72: DESIREE PLATA;REBECCA BRENNEIS~ 33:US ~31:63/190,404 ~32:19/05/2021

2023/11013 ~ Complete ~54:ANTENNA INSTALLATION DEVICE AND ANTENNA ~71:ZTE Corporation, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, SHENZHEN 518057, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: JIANG, Yu;LIAO, Ruochen;LIU, Pei;ZHANG, Gongzhe~ 33:CN ~31:202110639536.8 ~32:08/06/2021

2023/10960 ~ Complete ~54:AN UPLINK SCHEDULING SYSTEM TO ENHANCE SPECTRAL EFFICIENCY OF 5G NETWORK ~71:DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;KUKADE, Shweta, SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;KUMAWAT, Manisha, SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;ZODPE, Harshali, SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India ~72: KUKADE, Shweta;KUMAWAT, Manisha;ZODPE, Harshali~

2023/10976 ~ Complete ~54:METHODS FOR TREATING POST INFECTIOUS AUTOIMMUNE DIABETES ~71:PROVENTION BIO, INC., 55 Broad Street, 2nd Floor, Red Bank, New Jersey 07701, United States of America ~72: FRANCISCO LEON~ 33:US ~31:63/192,414 ~32:24/05/2021;33:US ~31:17/752,650 ~32:24/05/2022

2023/10946 ~ Provisional ~54:DIGITAL TABLE ~71:Bontle Tefo, 40030 Majemantsho Mine road, South Africa ~72: Baleseng Loeto;Mpho Nunthali~ 33:ZA ~31:1 ~32:27/11/2023

2023/10950 ~ Complete ~54:A PREPARATION METHOD OF INORGANIC SUB-NANOWIRES / TERT-BUTYL ACRYLATE COMPOSITE ELASTOMER MATERIALS ~71:Shanxi-Zheda Institute of Advanced Materials and Chemical Engineering, No.87 Zhengyang Street, Xiaodian District, Taiyuan City, Shanxi Province, 030032, People's Republic of China;Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Dongdong YAN;Fengbo ZHU;Huijie ZHOU;Qiang ZHENG;Shilei ZHU;Wenwen YU;Yanan YE;Yanjing ZHANG;Zhaojun YUE;Zhuangzhuang LI~ 33:CN ~31:2023113349880 ~32:16/10/2023

2023/10956 ~ Complete ~54:A PREFABRICATED SHEAR WALL STRUCTURE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: Congjun Zhang;Haiyang Zhang;Hengbin Li;Hua Fan;Lansi Peng;Lele Liu;Peibo You;Peng Li;Shiwei Gao;Shuaiqi Song;Tianxing Liu;Xiaole Yan;Yi Wang;Ying Li;Yubin Zhu~ 33:CN ~31:202310604093.8 ~32:26/05/2023

2023/10982 ~ Complete ~54:SPECTRAL CLUSTERING METHOD AND SYSTEM BASED ON UNIFIED ANCHOR AND SUBSPACE LEARNING ~71:ZHEJIANG NORMAL UNIVERSITY, 688 Yingbin Road, Jinhua, People's Republic of China ~72: LI, Hongbo;LI, Miaomiao;SUN, Mengjing;TU, Wenxuan;XU, Huiying;YIN, Jianping;ZHAO, Jianmin;ZHU, Xinzhong~ 33:CN ~31:202110706960.X ~32:24/06/2021;33:CN ~31:202111326414.X ~32:10/11/2021

2023/10964 ~ Complete ~54:INTELLIGENT FILM APPLICATION DEVICE FOR FURNITURE PANELS ~71:GUANGDONG ENGINEERING POLYTECHNIC, No. 18 Yuxing Road, Fenghuang Street, Tianhe District, Guangzhou City, People's Republic of China ~72: CHEN, Youqing;FENG, Jingyi;GUO, Xi;SHI, Jiao;XU, Chenrong;YAO, Miaoshi;ZHANG, Junzhu;ZHENG, Lingling~

2023/10974 ~ Complete ~54:BISPECIFIC BINDING MOLECULE ~71:BIOARCTIC AB, Warfvinges väg 35, 112 51, Stockholm, Sweden ~72: KEN HONEK;LISA SANDERSJÖÖ;PER-OLA FRESKGÅRD;RONNY FALK~ 33:EP ~31:21179103.3 ~32:11/06/2021

2023/10951 ~ Complete ~54:FERTILIZER COMPOSITION AND APPLICATION THEREOF IN PREVENTING AND TREATING RICE BAKANAE DISEASE ~71:Huangdao Customs House, No.192 Changjiangzhong Road, Huangdao District, Qingdao City, Shandong Province, People's Republic of China;Institute of Plant Protection, Jiangxi Academy of Agricultural Sciences, No.602 Nanlian Road, Qingyunpu District, Nanchang, Jiangxi, People's Republic of China ~72: CHEN Hongfan;HUANG Jianhua;KANG Meihua;LAN Bo;SUN Qiang;YANG Yingqing;YIN Changfa~

2023/10955 ~ Complete ~54:AN EFFICIENT FLOTATION METHOD FOR RUTILE ~71:Kunming University of Science and Technology, No. 727, Jingming South Road, Chenggong District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: Haiyu Zhang;Qinbo Cao;Yan Liang;Yan Yan;Yanjun Li~ 33:CN ~31:202310603981.8 ~32:26/05/2023

2023/10952 ~ Complete ~54:METHOD FOR DETERMINING CONDITIONER APPLICATION AMOUNT IN ACIDIFIED SOIL REMEDIATION ~71:Hunan Agricultural University, No. 1, Nongda Road, Furong District, Changsha City, Hunan Province, People's Republic of China;Jilin Tobacco Industry Co., Ltd., No. 795, Tianchi Road,, Yanji City, Yanbian Korean Autonomous Prefecture, Jilin Province, People's Republic of China ~72: DENG Xiaohua;DENG Yongsheng;GUO Wei;JIN Jianghua;LI Xu;LI Yuanhuan;YANG Lili;YU Dapeng;YU Haishun;ZHANG Shourong~

2023/10953 ~ Complete ~54:METHOD FOR BREEDING ZEBRAFISH WITH SLC26A4 GENE DELETION ~71:The Second Xiangya Hospital of Central South University, No.139, Renmin Middle Road, Furong District,

Changsha City, Hunan Province, 410011, People's Republic of China ~72: FU Guifang;LAI Ruosha;XIE Dinghua;XIE Huaping;YANG Shu~

2023/10945 ~ Provisional ~54:A METHOD AND SYSTEM FOR GENERATING GENERALISED ADDITIVE MODELS (GAMS) ~71:PORCUPINE UNION (PTY) LTD., Block A, Menlyn Corporate Park, 175 Corobay Ave, WATERKLOOF GLEN, Pretoria 0081, Gauteng Province, SOUTH AFRICA, South Africa ~72: DIAMOND, David Hercules~

2023/10949 ~ Complete ~54:A WATERBORNE ACRYLATE COATING FOR THE PROTECTION OF WOODEN CULTURAL RELICS AND ITS PREPARATION METHOD ~71:Shanxi-Zheda Institute of Advanced Materials and Chemical Engineering, No.87 Zhengyang Street, Xiaodian District, Taiyuan City, Shanxi Province, 030032, People's Republic of China;Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China;Zhejiang University, No. 38 Zheda Road, Hangzhou, Zhejiang, 310013, People's Republic of China ~72: Dongdong YAN;Heng ZHANG;Lin CHEN;Min ZUO;Qiang ZHENG;Shilei ZHU;Xiaohong LIANG;Yanan YE;Zhuangzhuang LI~ 33:CN ~31:2023113348977 ~32:16/10/2023

2023/10954 ~ Complete ~54:A SUSTAINABLE CULTIVATION METHOD FOR PROMOTING ANTHOCYANIN SYNTHESIS IN COLORED RICE ~71:Hainan University, 58 Renmin Avenue, Meilan District, Haikou, Hainan, 570228, People's Republic of China ~72: Lixiao NIE;Shaokun SONG;Yixue MU~

2023/10948 ~ Complete ~54:A DOUBLE-COMPONENT GROUTING MATERIAL AND ITS APPLICATION IN GROUP SUPPORT OF COAL MINE UNDERGROUND PASSED THROUGH EMPTY ROADWAY ~71:Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Fengbo ZHU;Guofeng WANG;Jing ZHANG;Lan JIA;Rui FENG;Sitong ZHANG;Wenwen YU;Zhengxiang BAI~ 33:CN ~31:2023114924042 ~32:09/11/2023

2023/10984 ~ Complete ~54:LATE FUSION MULTI-VIEW CLUSTERING METHOD AND SYSTEM BASED ON LOCAL MAXIMUM ALIGNMENT ~71:ZHEJIANG NORMAL UNIVERSITY, 688 Yingbin Road, Jinhua, People's Republic of China ~72: LI, Hongbo;LI, Miaomiao;LIANG, Weixuan;XU, Huiying;YIN, Jianping;ZHAO, Jianmin;ZHU, Xinzhong~ 33:CN ~31:202110706944.0 ~32:24/06/2021;33:CN ~31:202111326425.8 ~32:10/11/2021

2023/11012 ~ Complete ~54:INTERFERENCE SIGNAL SENDING METHOD AND APPARATUS, ELECTRONIC DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM ~71:ZTE Corporation, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, SHENZHEN 518057, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: LI, Bin;LIU, Weiwei~ 33:CN ~31:202110562099.4 ~32:21/05/2021

2023/10978 ~ Complete ~54:METHODS OF USE OF PPAR AGONIST COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF ~71:ASTELLAS PHARMA INC., 2-5-1, Nihonbashi-Honcho, Chuo-ku, Tokyo, 103-8411, Japan;MITOBRIDGE, INC., 1030 Massachusetts Avenue, Suite 200, Cambridge, Massachusetts, 02138, United States of America ~72: GEORGE MULLIGAN;MARINA TANAKA;MOTOTSUGU ITO;NAOTOSHI KANEMITSU;SEIJI TAKAE~ 33:US ~31:63/196,013 ~32:02/06/2021;33:US ~31:63/196,826 ~32:04/06/2021

2023/10958 ~ Complete ~54:APPLICATION OF GREEN MANURE BY INCORPORATING UNDECOMPOSED PLANT TISSUES INTO SOIL UNDER CONTINUOUS CROPPING OF STRAWBERRIES ~71:NORTHWEST A&F UNIVERSITY, No.3, Taicheng Road, Yangling Demonstration Zone, Xi 'an, Shaanxi Province, 712100, People's Republic of China ~72: CHENYU SUN;HANGXIAN LAI;HUIJING FU;JIN LI;KAIFENG MA;LI XIAO;MEILIN ZHANG;QIAO GUO;QUANHONG XUE;XIAOLONG SHU~ 33:CN ~31:202211525132.7 ~32:30/11/2022

2023/10969 ~ Complete ~54:APPARATUS AND METHOD FOR BREEDING INSECTS IN A HIGH-BAY STORE ~71:ALPHA-PROTEIN GMBH, Gebäude 5137c, Werner-von-Siemens-Strasse 2-6, Germany ~72: Rohi SHALATI~ 33:DE ~31:10 2021 117 134.2 ~32:02/07/2021

2023/10980 ~ Complete ~54:SYSTEMS FOR GROWING AND PROCESSING PLANTS AND PLANT MATERIALS ~71:EHEMPHOUSE CORP., 120 Hawley Street, Binghamton, United States of America ~72: HEWITT, Nicholas;NEAL, Andrew T.~ 33:US ~31:63/213,475 ~32:22/06/2021

2023/11018 ~ Complete ~54:WHEEL ASSEMBLY INCLUDING GAS SPRINGS WITH ASSOCIATED INTEGRAL HYDRAULIC DAMPERS AND RELATED METHODS ~71:GACW Incorporated, 3100 West Ray Road, Suite 201, CHANDLER 85226, AZ, USA, United States of America ~72: KEMENY, Zoltan~ 33:US ~31:63/190,929 ~32:20/05/2021;33:US ~31:17/693,373 ~32:13/03/2022

2023/11014 ~ Complete ~54:COMPOSITE SEISMIC ISOLATION AND ABSORPTION SYSTEM FOR NUCLEAR ISLAND STRUCTURE ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No. 29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: CHU, Meng;DOU, Yi;GE, Honghui;HUANG, Xiaolin;LI, Shaoping;SUN, Yugang;YANG, Jie~ 33:CN ~31:202121312640.8 ~32:11/06/2021

2023/11016 ~ Complete ~54:USE OF FERMENTED MOLASSES AS AN EMULSIFIER ~71:Lesaffre et Compagnie, 41 rue Etienne Marcel, PARIS 75001, FRANCE, France ~72: LEBRUN, Xavier~ 33:FR ~31:2105874 ~32:03/06/2021

2023/11019 ~ Complete ~54:IL-21 POLYPEPTIDES AND TARGETED CONSTRUCTS ~71:Asher Biotherapeutics, Inc., 650 Gateway Boulevard, Suite 100, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: DJURETIC, Ivana;GREER, Renee L.;KANG, Byong;LIU, David;NGUYEN, Henry C.;YEUNG, Yik Andy~ 33:US ~31:63/190,669 ~32:19/05/2021;33:US ~31:63/223,684 ~32:20/07/2021;33:IB ~31:2021/056312 ~32:22/10/2021;33:IB ~31:2021/062485 ~32:08/12/2021;33:US ~31:63/297,631 ~32:07/01/2022

2023/11017 ~ Complete ~54:PARTIAL SHA-BASED HASH FUNCTION ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: COUGHLAN, Patrick Steven;GORDON, Arthur;MURPHY, John;ZHANG, Wei~ 33:GB ~31:2107350.7 ~32:24/05/2021

2023/10981 ~ Complete ~54:INTERACTIVE EMOTIONAL ROBOT SUITABLE FOR THE ELDERLY ~71:XIANGYA HOSPITAL CENTRAL SOUTH UNIVERSITY, No. 87, Xiangya Road, Kaifu District Changsha, People's Republic of China ~72: CHEN, Yuling;LIU, Shengqi;MA, Yanxin;ZHOU, Xiaoxi~ 33:CN ~31:202310079342.6 ~32:08/02/2023

2023/10962 ~ Complete ~54:A SYSTEM FOR SURVEILLANCE ENHANCEMENT AND CONTROL DISPLAY USING MACHINE LEARNING FOR TRAFFIC VIOLATION ~71:AHIRRAO, Shripad, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;DHAMALE, Sharvari, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;LOKHANDE, Netra M., MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;PRAKASH, Ravi, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;SHAIKH, Moeez, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;SHARMA, Abhishek Kumar, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India ~72: AHIRRAO,

Shripad;DHAMALE, Sharvari;LOKHANDE, Netra M.;PRAKASH, Ravi;SHAIKH, Moeez;SHARMA, Abhishek Kumar~

2023/10965 ~ Complete ~54:ASSEMBLY EQUIPMENT FOR FURNITURE MANUFACTURING ~71:GUANGDONG ENGINEERING POLYTECHNIC, No. 18 Yuxing Road, Fenghuang Street, Tianhe District, Guangzhou City, People's Republic of China ~72: CHEN, Youqing;FENG, Jingyi;GUO, Xi;SHI, Jiao;XU, Chenrong;YAO, Miaoshi;ZHANG, Junzhu;ZHENG, Lingling~

2023/10967 ~ Complete ~54:GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD ~71:CATERPILLAR INC., 100 NE Adams Street – AH9510, United States of America ~72: MATHEW, Shawn N.;MIANZO, Lawrence A.;OBLAK, Tod A.;PLOUZEK, John M.;WISE, Raymond A.~ 33:US ~31:17/335,835 ~32:01/06/2021

2023/10975 ~ Complete ~54:METHODS FOR TREATING TYPE 1 DIABETES ~71:PROVENTION BIO, INC., 55 Broad Street, 2nd Floor, Red Bank, New Jersey 07701, United States of America ~72: FRANCISCO LEON;RALPH RAYMOND~ 33:US ~31:63/192,402 ~32:24/05/2021;33:US ~31:17/752,660 ~32:24/05/2022

2023/11021 ~ Complete ~54:2-[3-[1 [(QUINAZOLIN-4-YL)AMINO]ETHYL]PYRAZIN-2-YL]THIAZOLE-5-CARBONITRILE DERIVATIVES AND SIMILAR COMPOUNDS AS PESTICIDES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BERARDOZZI, Simone;HALL, Roger Graham;JEANGUENAT, André;KILARU, Jagadeesh Prathap;PHADTE, Mangala;PITTERNA, Thomas;WEISS, Matthias~ 33:IN ~31:202111028439 ~32:24/06/2021;33:IN ~31:202111058395 ~32:15/12/2021

2023/10973 ~ Complete ~54:GAS ATOMIZER ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Benjamin BOISSIERE~ 33:IB ~31:PCT/IB2021/055756 ~32:28/06/2021

2023/10961 ~ Complete ~54:A BAMBOO MOISTURE CHAMBER ~71:AAGRE, Rugved, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH MIT WORLD PEACE UNIVERSITY, PUNE, MAHARASHTRA, 411038, India;AAHER, Shruti, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH MIT WORLD PEACE UNIVERSITY, PUNE, MAHARASHTRA, 411038, India;BANSAL, Gaurav, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH MIT WORLD PEACE UNIVERSITY, PUNE, MAHARASHTRA, 411038, India;BHATE, Hardik, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH MIT WORLD PEACE UNIVERSITY, PUNE, MAHARASHTRA, 411038, India;DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;KARKALE, Pranay Pramod, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH MIT WORLD PEACE UNIVERSITY, PUNE, MAHARASHTRA, 411038, India;POKALE, Atharva, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH MIT WORLD PEACE UNIVERSITY, PUNE, MAHARASHTRA, 411038, India;RAZDAN, Surbhi, SCHOOL OF MECHANICAL ENGINEERING, DR. VISHWANATH MIT WORLD PEACE UNIVERSITY, PUNE, MAHARASHTRA, 411038, India ~72: AAGRE, Rugved;AAHER, Shruti;BANSAL, Gaurav;BHATE, Hardik;KARKALE, Pranay Pramod;POKALE, Atharva;RAZDAN, Surbhi~

2023/11020 ~ Complete ~54:RECYCLABLE HEAT SHRINK FILM FOR RECYCLABLE CONTAINER ~71:Brook & Whittle Limited, 215 John Glenn Drive, AMHERST 14127, NY, USA, United States of America ~72: MORGAN, Mitchell J.;SHARP, Andrew~ 33:US ~31:63/188,794 ~32:14/05/2021

2023/10985 ~ Complete ~54:MULTI-VIEW CLUSTERING METHOD AND SYSTEM BASED ON MATRIX DECOMPOSITION AND MULTI-PARTITION ALIGNMENT ~71:ZHEJIANG NORMAL UNIVERSITY, 688 Yingbin Road, Jinhua, People's Republic of China ~72: LI, Hongbo;LI, Miaomiao;TU, Wenxuan;XU, Huiying;YIN, Jianping;ZHANG, Chen;ZHAO, Jianmin;ZHU, Xinzhong~ 33:CN ~31:202110705655.9 ~32:24/06/2021;33:CN ~31:202111326424.3 ~32:10/11/2021

2023/10972 ~ Complete ~54:MASSAGING DEVICE ~71:LAND BUSINESS CO.,LTD., KASUMIGASEKI BUILDING, 2-5 KASUMIGASEKI 3-CHOME, CHIYODA-KU, Japan ~72: KAMEI, Masamichi~ 33:JP ~31:2021-103745 ~32:23/06/2021

. - APPLIED ON 2023/11/29 -

2023/10991 ~ Complete ~54:INTELLIGENT MONITORING AND EARLY WARNING APPARATUS FOR SEMI-RIGID BASE BASED ON HIPERPAV ~71:Changchun Jianye Group Co., Ltd., 12th Floor, Building 7, Unit 1,Building 7\8\17\21,Huijingxincheng, West of Renmin Street and North of Nanhuan Road, Nanguan District, Changchun City, Jilin Province, 130022, People's Republic of China;Harbin Institute of Technology, Room 419, School of Transportation, Second District of Harbin Institute of Technology, No.73 Huanghe Road, Nangang District, Harbin City, Heilongjiang Province, 150090, People's Republic of China ~72: Fengxia JIANG;Hongmei LI;Jiashu LI;Long WANG;Shida CHEN;Xiaobing XU;Xiaoguang XIE~

2023/11036 ~ Complete ~54:METHOD FOR PREPARING A COAL-BASED LINEAR ALKYLBENZENE ~71:INNER MONGOLIA YITAI COAL-BASED NEW MATERIALS RESEARCH INSTITUTE CO., LTD., Room 1201, Gaoxin Building, High-tech Industrial Park, Erdos, Inner Mongolia, 017010, People's Republic of China ~72: CHANGYU REN;HAIGUO WANG;JINGWEI WU;JUNCHENG LI;XIANGQIANG SHI;XIAOLONG ZHANG;XINPING ZHANG;XUANHENG GUO;YUE ZHANG;ZHEN QIAN;ZHENGXU AO;ZHIFEI LI~ 33:CN ~31:202210890163 .6 ~32:27/07/2022

2023/11039 ~ Complete ~54:ELECTROLYSIS OF LI2SO4 AT LOW PH RANGES ~71:BASF SE, Carl-Bosch-Str. 38, 67056, Ludwigshafen am Rhein, Germany ~72: ARND GARSUCH;BASTIAN OPITZ;DANIEL MALKO;KERSTIN SCHIERLE-ARNDT;NILS-OLOF JOACHIM BORN;REGINA VOGELSANG;SIGMAR BRAEUNINGER;VINCENT SMITH;WOLFRAM WILK~ 33:US ~31:63/220,259 ~32:09/07/2021

2023/11044 ~ Complete ~54:AGENTS FOR DIRECTED CONJUGATION TECHNIQUES AND CONJUGATED PRODUCTS ~71:BioHaven Therapeutics Ltd., 215 Church Street, NEW HAVEN 06510, CT, USA, United States of America ~72: CALDWELL, Reese M.;DUBOWCHIK, Gene M.;KAZMIERSKI, Wieslaw;SPIEGEL, David Adam~ 33:US ~31:63/189,522 ~32:17/05/2021

2023/11048 ~ Complete ~54:SURFACTANT COMPOSITIONS ~71:Stepan Company, 22 W. Frontage Road, NORTHFIELD 60093, IL, USA, United States of America ~72: DADO, Gregory P.;KNOCK, Mona Marie~ 33:US ~31:63/229,913 ~32:05/08/2021

2023/10994 ~ Complete ~54:A REGIONAL PRODUCT DESIGN METHOD BASED ON ASSOCIATION ANALYSIS ~71:Suzhou Nuclear Power Research Institute Co., Ltd., No.1688 Xihuan Road, Suzhou City, Jiangsu Province, 215004, People's Republic of China ~72: Chen QING;Xiaohu YANG~

2023/10997 ~ Complete ~54:A SAFE MEDICINE TAKING DEVICE FOR THE ELDERLY AND A MEDICINE TAKING METHOD ~71:Xiaolei Hu, No. 2, Jialang Road, Jingkou Street, Shapingba District, Chongqing City, 400030, People's Republic of China ~72: Ling Tang;Lu Chen;Xiaolei Hu;Xinwei Yang;Yunqi Ma~

2023/10988 ~ Provisional ~54:PACKAGING CONTAINER ~71:GRAND PLASTICS (PTY) LTD, 3 Heron Park, Ou paardevlei road, Olive Grove Industrial Estate, South Africa ~72: LE GRANGE, Martin Francisco~

2023/11005 ~ Complete ~54:LIGHT ENERGY FLUORESCENCE EXCITATION ~71:ILLUMINA, INC., 5200 Illumina Way, San Diego, California, 92122, United States of America ~72: JOSEPH PINTO;RUI JIANG~ 33:US ~31:62/611,448 ~32:28/12/2017;33:US ~31:62/644,805 ~32:19/03/2018;33:NL ~31:2020636 ~32:20/03/2018

2023/11107 ~ Provisional ~54:PHOTOVOLTAIC CELL ~71:Hermanus Christoffel Petrus Human, 10a Clifford Road, Chancliff,, South Africa ~72: Hermanus Christoffel Petrus Human;Jan Petrus Human~

2023/10987 ~ Provisional ~54:TREATMENT OF CONTAMINATED PGM ORES ~71:NUVEST RECOVERY SOLUTIONS (PTY) LTD, 65 Philip Engelbrecht Dr, Meyersdal, 1448, South Africa ~72: IAN TUNNICLIFFE~

2023/10996 ~ Complete ~54:DRAIN PLUG ~71:BAHLMANN, Werner Lennard, 49 Miller Street, South Africa;SPENCER, Michael John David, Sunrise Etsate, Farm N8, R40, South Africa ~72: BAHLMANN, Werner Lennard;SPENCER, Michael John David~

2023/10999 ~ Complete ~54:POINT ANCHORED ROCK BOLT ~71:VALOTECH 181 CC, NO. 159C WRIGHT ROAD, NUFFIELD, SPRINGS, 1560, SOUTH AFRICA, South Africa ~72: DAVIES, Craig, David;DAVIES, Gordon, Daniel~ 33:ZA ~31:2022/10801 ~32:30/09/2022

2023/11009 ~ Complete ~54:SEESAW-TYPE HYDROELECTRIC POWER GENERATION DEVICE ~71:CHEN, Shih-Hsiung, No. 5, Yuxiao 1st St., East Dist., TAINAN CITY 701, TAIWAN (R.O.C.), Taiwan, Province of China ~72: CHEN, Shih-Hsiung~ 33:TW ~31:111147962 ~32:14/12/2022

2023/11024 ~ Complete ~54:OXY-PFBC TEMPERATURE MANAGEMENT THROUGH STAGED GAS INJECTION AND GAS VELOCITY MANAGEMENT ~71:GAS TECHNOLOGY INSTITUTE, 1700 SOUTH MOUNT PROSPECT ROAD, DES PLAINES, ILLINOIS 60018, USA, United States of America ~72: FOLLETT, IV, William, W.;HEIM, Douglas, M.~ 33:US ~31:63/183,261 ~32:03/05/2021

2023/11028 ~ Complete ~54:ADJUVANT FOR INCREASING THE SHORT-TERM MECHANICAL STRENGTH OF A HYDRAULIC COMPOSITION WITH A REDUCED CLINKER CONTENT ~71:CHRYSO, Tour Saint-Gobain,12 Place de l'Iris, France ~72: AUTIER, Caroline;KOCABA, Vanessa~ 33:FR ~31:2106078 ~32:09/06/2021

2023/11037 ~ Complete ~54:METHOD OF FUNCTIONALISING AN ELASTOMERIC MATERIAL AND THE USE THEREOF IN RUBBER FORMULATIONS ~71:RUBBER NANO PRODUCTS (PROPRIETARY) LIMITED, 34 Bird Street Central, Gqeberha, 6001, South Africa ~72: ROBERT MICHAEL BOSCH~ 33:ZA ~31:2021/02983 ~32:04/05/2021

2023/11003 ~ Complete ~54:NETWORK DISTRIBUTION METHOD, NETWORK DISTRIBUTION DEVICE, IMAGE FORMING APPARATUS, TERMINAL AND MEDIUM ~71:ZHUHAI PANTUM ELECTRONICS CO., LTD., Building 02, Building 06, Building 08, No. 888, Shengping Avenue, People's Republic of China ~72: PENG, Jibing;YANG, Zongxin~ 33:CN ~31:2022115746743 ~32:08/12/2022;33:CN ~31:2023104586425 ~32:25/04/2023

2023/11004 ~ Complete ~54:AN ELECTROHYDROGEN EFFICIENT CONVERSION REDUCTION SMELTING DEVICE AND METHOD ~71:Automation Research and Design Institute of Metallurgical Industry Co., LtD., No.72, West Fourth Ring South Road, Fengtai District, Beijing, 100071, People's Republic of China;China Iron & Steel Research Institute Group Co., LtD., No.76, Xueyuan South Road, Haidian District, Beijing, 100081, People's Republic of China ~72: HAO Xiaodong;YANG Guanghao;ZHANG Jun;ZHOU Hemin~ 33:CN ~31:202211741085.X ~32:30/12/2022

2023/11006 ~ Complete ~54:CONTROLLED REMOVAL OF IONS FROM AQUEOUS FLUID ~71:THE WATER COMPANY, LLC, 31965 United Avenue, Pueblo, Colorado, 81001, United States of America ~72: BRIAN BRUCE ELSON;MICHAEL JAMES FALLBACH;PETER ROBERT NORMAN~ 33:US ~31:62/684,370 ~32:13/06/2018;33:US ~31:16/439,381 ~32:12/06/2019

2023/11026 ~ Complete ~54:METHOD OF ROUTE MANAGEMENT ~71:PATOU INVESTMENTS (PTY) LTD, 105 Sovereign Drive, Route 21 Corporate Park, Irene, 0157, Pretoria, South Africa ~72: WOLFF, Tudor Drummond~ 33:ZA ~31:2021/04582 ~32:01/07/2021

2023/11029 ~ Complete ~54:BRANCHED TECHNOLOGIES ~71:SCION HOLDINGS LLC, 3011 Scenic Elm Street, Houston, United States of America ~72: KILLEBREW, Kyle;LANE, Samuel Livingston~ 33:US ~31:63/196,679 ~32:03/06/2021;33:US ~31:17/541,235 ~32:02/12/2021;33:US ~31:17/553,427 ~32:16/12/2021;33:US ~31:PCT/US2021/063934 ~32:16/12/2021

2023/11033 ~ Complete ~54:METHOD AND SYSTEM FOR MEASURING NON-VERBAL BEHAVIOR OF TEACHER ~71:CENTRAL CHINA NORMAL UNIVERSITY, No. 152 Luoyu Road, Hongshan District, Wuhan, Hubei, 430079, People's Republic of China ~72: CHEN, Zengzhao;DAI, Zhicheng;HE, Xiuling;YANG, Zongkai;YI, Baolin;ZHANG, Wei~ 33:CN ~31:202110970746.5 ~32:23/08/2021

2023/11040 ~ Complete ~54:A LIGHT OUTPUT SYSTEM AND DESIGN METHOD ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: HIETBRINK, Roelant Boudewijn;MARTENS, Peter;NIESSEN, Eduard Matheus Johannes;SALTERS, Bart Andre~ 33:EP ~31:21171654.3 ~32:30/04/2021

2023/11042 ~ Complete ~54:PROTEINS THAT BIND CD80 AND/OR CD86, AND OX40L ~71:Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: AN, Qi;CHEN, Gang;GROSS, Alec;JI, Qingyong;NANFACK, Yves Fomekong;SUN, Chia Chi;ZAKERI, Bijan~ 33:US ~31:63/208,478 ~32:08/06/2021;33:US ~31:63/343,268 ~32:18/05/2022

2023/11049 ~ Complete ~54:MOTORIZED MODULE FOR GOODS TRANSPORT AND CONTROL METHOD FOR SAID MOTORIZED MODULE ~71:Cometto S.p.A., Via Cuneo, 20, BORGO SAN DALMAZZO (CN) 12011, ITALY, Italy ~72: D'AGOSTINO, Willian;FICKERS, Alexander;FRONI, Francesco;LIPPI, Fabrizio;MARTINI, Alessandro~ 33:IT ~31:102021000013739 ~32:26/05/2021

2023/11030 ~ Complete ~54:METHODS AND SYSTEMS FOR WEB-BASED DATA PRESENTATION ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: CHUDZIŃSKI-PAWŁOWSKI, Grzegorz;CLARK, Finn;LAPWOOD, Alex;LEE, Alexander;WEI, Elise~ 33:AU ~31:2021901611 ~32:28/05/2021

2023/11045 ~ Complete ~54:ANTIBODY DRUG CONJUGATES USING MATES TECHNOLOGY FOR DELIVERING CYTOTOXIC AGENTS ~71:BioHaven Therapeutics Ltd., Biohaven Therapeutics Ltd., 215 Church Street, NEW HAVEN 06510, CT, USA, United States of America ~72: CALDWELL, Reese M.;DUBOWCHIK, Gene M.;KAZMIERSKI, Wieslaw;PRACITTO, Richard~ 33:US ~31:63/190,703 ~32:19/05/2021

2023/11022 ~ Complete ~54:METHOD FOR PREPARING LACTONES HAVING AT LEAST ONE GROUP SELECTED FROM CARBOXYL, CARBOALKOXY, HYDROXY AND CARBOXYLATE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BAIER, Grit;GROESSL, Sylvester;LINKE, Stephanie, Sybille;TAVARES ANDRE, Rute da Conceicao~ 33:EP ~31:21172097.4 ~32:04/05/2021

2023/11025 ~ Complete ~54:METHODS AND APPARATUSES FOR EFFICIENT REGISTRATION IN AN AREA WHERE A SERVICE IS SUPPORTED PARTIALLY ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: CASATI, Alessio;CHANDRAMOULI, Devaki;HATHIRAMANI, Navin;WON, Sung Hwan~ 33:US ~31:17/307,675 ~32:04/05/2021

2023/11031 ~ Complete ~54:METHODS AND SYSTEMS FOR DETERMINING PAYMENT BEHAVIOURS ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: KEMKA, Martin;PERMEZEL, Donald~ 33:AU ~31:2021901523 ~32:21/05/2021

2023/11035 ~ Complete ~54:PHOSPHONYL DERIVATIVE, AND COMPOSITION AND PHARMACEUTICAL APPLICATION THEREOF ~71:XIZANG HAISCO PHARMACEUTICAL CO., LTD., Xingfu Jiayuan Economic Development Zone, Jieba Town, Naidong District, Lhoka, Tibet, 856099, People's Republic of China ~72: ANBANG HUANG;CHEN ZHANG;CHENFEI ZHAO;FEI YE;GUOFEI QIAN;JIA NI;JIANMIN WANG;JUNJIE MA;KAI LI;PANGKE YAN;PINGMING TANG;SHAOLONG ZHENG;SHUAI YUAN;YAN YU;YAO LI;ZHENGGANG HUANG~ 33:CN ~31:202110470748.8 ~32:30/04/2021;33:CN ~31:202110570092.7 ~32:25/05/2021;33:CN ~31:202110651028.1 ~32:11/06/2021;33:CN ~31:202110824204.7 ~32:22/07/2021;33:CN ~31:202111025788.8 ~32:03/09/2021;33:CN ~31:202111214457.9 ~32:22/10/2021;33:CN ~31:202210000254.8 ~32:06/01/2022

2023/11041 ~ Complete ~54:METHOD AND APPARATUS FOR PRODUCING SODIUM HYPOCHLORITE SOLUTION ~71:De Nora Permelec Ltd, 2023-15, Endo, FUJISAWA-SHI 2520816, KANAGAWA, JAPAN, Japan ~72: DOMON , Hiroki;OTSU, Hideo;SUDO, Shigeki~ 33:JP ~31:2021-091725 ~32:31/05/2021

2023/11047 ~ Complete ~54:T CELL ENGAGER MOLECULES AND USES THEREOF ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America;Amgen Research (Munich) GmbH, Staffelseestrasse 2, MUNICH 81477, GERMANY, Germany ~72: BATES, Darren L.;BLUEMEL, Claudia;BROZY, Johannes;CHEN, Wentao;DAHLHOFF, Christoph;HONER, Jonas Karl-Josef;KIELCZEWSKA, Agnieszka;MUENZ, Markus;PENDZIALEK, Jochen S.;PIERCE, Nathan William;RAUM, Tobias;WINKEL, Lisa~ 33:US ~31:63/197,265 ~32:04/06/2021;33:US ~31:63/236,547 ~32:24/08/2021

2023/11001 ~ Complete ~54:DEVICE FOR DISPLAYING CONTENTS IN A COMPUTER SOFTWARE ENGINEERING TEST ~71:Xi’an Eurasia University, No. 8 Dongyi Road, Yanta District, Xi'an City, Shaanxi Province, 710065, People's Republic of China ~72: Zhao Jun~

2023/11002 ~ Complete ~54:MAINTENANCE DEVICE FOR COMMUNICATION ELECTRONIC EQUIPMENT ~71:Xinyu University, No.2666 Sunshine Avenue, High tech Zone, Xinyu City, Nanchang City, Jiangxi Province, 338000, People's Republic of China ~72: Hong Yun;Hu Shaozhong;Zhou Huiyan~

2023/11007 ~ Complete ~54:ORGANOTRISULFIDE AND ORGANOTETRASULFIDE COMPOUNDS AND THE USE THEREOF IN METHODS OF TREATMENT ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, Stellenbosch, Western Cape, 7600, South Africa;UNIVERSITY OF CAPE TOWN, Lovers Walk, Rondebosch, Cape Town, 7700, South Africa ~72: CATHERINE HART KASCHULA;ROGER HUNTER~ 33:ZA ~31:2022/13110 ~32:05/12/2022

2023/11011 ~ Complete ~54:HIGH-PROTEIN LOW-FAT PORK SAUSAGE WITH GANODERMA LUCIDUM SPORE POWDER AND AURICULARIA CORNEA AND PREPARATION METHOD THEREFOR ~71:JILIN AGRICULTURAL UNIVERSITY, No. 2888 Xincheng Street, People's Republic of China ~72: JIANG, Guochuan;WANG, Liyan;YANG, Siyu~

2023/11023 ~ Complete ~54:STABILIZATION OF RNA FOR EXOGENOUS RNAI AGRICULTURAL APPLICATIONS AND FORMULATIONS ~71:GREENLIGHT BIOSCIENCES, INC., 200 BOSTON AVENUE, SUITE 1000, MEDFORD, MA 02155, USA, United States of America ~72: AULISA, Lorenzo;BOUCHER, Paul;DODWADKAR, Namita;ELDRIDGE, Justin;GILLILAN, Jason;OWENS, Kayla;STEWART, William;VILLIARD, David~ 33:US ~31:63/184,508 ~32:05/05/2021

2023/11027 ~ Complete ~54:ENVIRONMENTALLY FRIENDLY GOLD LEACHING METHOD FOR GOLD ORE CONTAINING CARBON, SULFUR AND ARSENIC ~71:YUNNAN UNIVERSITY, No.2 North Cuihu Road,, Kunming, Yunnan, 650091, People's Republic of China ~72: TANG, Zhiyu;TU, Xueyan~ 33:CN ~31:202210327436.6 ~32:30/03/2022

2023/11032 ~ Complete ~54:INTEGRATED DRILLING INJECTION AND EXTRACTION DEVICE AND METHOD ~71:HYPERTUNNEL IP LIMITED, VIEWPOINT, BASING VIEW, BASINGSTOKE HAMPSHIRE RG21 4RG, UNITED KINGDOM, United Kingdom ~72: MEEKS, Alan~ 33:GB ~31:2110278.5 ~32:16/07/2021

2023/11034 ~ Complete ~54:COMBINATION OF ANTISENSE OLIGOMERS ~71:NATIONAL CENTER OF NEUROLOGY AND PSYCHIATRY, 1-1, Ogawahigashi-cho 4-chome, Kodaira-shi, Tokyo, 1878551, Japan;NIPPON SHINYAKU CO., LTD., 14, Kisshoin Nishinosho Monguchicho, Minami-ku, Kyoto-shi, Kyoto, 601-8550, Japan ~72: NORIO MOTOHASHI;YOSHITSUGU AOKI;YUICHIRO TONE~ 33:JP ~31:2021-104145 ~32:23/06/2021

2023/11038 ~ Complete ~54:METHODS AND CONSTRUCTS FOR LOCATING AND PROFILING SINGLE CELLS IN A BIOLOGICAL SAMPLE ~71:SCELLEX OY, Tukholmankatu 8, Helsinki, 00290, Finland ~72: PÄIVI SAAVALAINEN~ 33:EP ~31:21175329.8 ~32:21/05/2021

2023/11043 ~ Complete ~54:DEVICE WITH CHARGING PADS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: AL-AMIN, Mohammed;BRUTON, Connor;MUSGRAVE, Damyn~ 33:GB ~31:2108376.1 ~32:11/06/2021

2023/11046 ~ Complete ~54:ANTI-CCR8 ANTIBODIES AND USES THEREOF ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America;Amgen Research (Munich) GmbH, Staffelseestrasse 2, MUNICH 81477, GERMANY, Germany ~72: BATES, Darren L.;BLUEMEL, Claudia;CHEN, Wentao;DAHLHOFF, Christoph;HONER, Jonas Karl-Josef;KIELCZEWSKA, Agnieszka;NOLAN-STEVAUX, Olivier;PIERCE, Nathan William;RAUM, Tobias;WINKEL, Lisa~ 33:US ~31:63/197,271 ~32:04/06/2021;33:US ~31:63/236,551 ~32:24/08/2021

2023/10992 ~ Complete ~54:ARTIFICIAL INTELLIGENCE AUXILIARY MONITORING SYSTEM FOR POSTPARTUM ABDOMINAL RECOVERY ~71:Donghua University, No.1882 Yan'an West Road, Shanghai, 201620, People's Republic of China ~72: FU Yuli;JIN Jindi;LU Wendi;SHI Hao;WANG Xiyuan~

2023/11000 ~ Complete ~54:METHOD FOR ESTABLISHING AN ENTERITIS CELL MODEL AND AN APPLICATION THEREOF ~71:Gansu Agricultural University, No.1 Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: Shi Yan;Wei Yanming;Yuan Ziwen;Zhu Yamei~ 33:CN ~31:2022115489532 ~32:05/12/2022

2023/10989 ~ Complete ~54:DEVICE FOR CALIBRATING POSE OF END OF COALCUTTER BASED ON INTEGRATION OF IMU AND UWB ~71:Anhui Science And Technology University, No. 9, Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72: CAO, Bo;CAO, Zichao;GAO, Shang;WANG, Jian;ZHANG, Chao;ZHANG, Gang~

2023/10990 ~ Complete ~54:PREPARATION METHOD OF PREPARATION USING FRESH MEDICINAL AND EDIBLE PLANT AS RAW MATERIAL AND APPLICATION ~71:GAO, Yang, 1035 Boshuo Road, Jingyue National High-tech Industrial Development Zone, Changchun City, Jilin Province, 130117, People's Republic of China ~72: LI, Yinqing;LU, Jing;LV, Guangfu;XU, Duoduo;ZHANG, Yanqiu;ZHENG, Wei~

2023/10993 ~ Complete ~54:PLANT DISEASE OR PEST IDENTIFICATION SYSTEM BASED ON BIG DATA AND DEEP LEARNING ~71:My field (Hainan) Agricultural information Technology Co., LTD, 3305-1, Building 3,

Yabulun Industrial Park, Yazhou Bay Science and Technology City, Yazhou District, Sanya City, Hainan Province, 572024, People's Republic of China ~72: Ke Meng;Wu JinLing;ZHao HongXin~ 33:CN ~31:2023114971359 ~32:10/11/2023

2023/11008 ~ Complete ~54:ADJUSTABLE, INTERCHANGEABLE HOLSTER ~71:Johan Hendrik Georg van der Merwe, Plot 153-3 Second Ave, Gerhardsville,, South Africa ~72: Van der Merwe, Johan Hendrik Georg~ 33:ZA ~31:2022/12980 ~32:30/11/2022

2023/11010 ~ Complete ~54:CONVERTIBLE BABY SAFETY CAR SEAT ASSEMBLY ~71:DOONA HOLDINGS LTD., FLAT/RM 04 2/F, Westlands Centre, 20 Westlands Road, Hong Kong ~72: MAZAR, Yoav~ 33:IL ~31:299773 ~32:09/01/2023

2023/10986 ~ Provisional ~54:MATRIX ATOMIC SCANNING ~71:Kyle Botha, 7 La Roche Estate, Old Helshoogte Rd, South Africa ~72: Adriaan Botha~

2023/10995 ~ Complete ~54:DUST REMOVAL DEVICE FOR TUNNEL CONSTRUCTION TRIGGERED BY BLAST VIBRATION SOURCE SHOCK WAVE ~71:CHINA RAILWAY 11TH BUREAU GROUP CITY RAIL ENGINEERING CO., LTD., NO. 23 JIAYUAN ROAD, People's Republic of China;CHINA RAILWAY 11TH BUREAU GROUP CORPORATION LIMITED, NO. 277 ZHONGSHAN ROAD, People's Republic of China;EAST CHINA UNIVERSITY OF TECHNOLOGY, NO. 56 XUEFU ROAD, People's Republic of China ~72: DOU, Zhongsi;HE, Ru;LIU, Cong;WAN, Cheng;WU, Bo;XIAO, Dunke;XIAO, Xiao;XU, Shixiang~

2023/10998 ~ Complete ~54:A VR TEACHING DEVICE BASED ON THE INTEGRATION OF INTELLIGENT TEACHING ~71:Hunan Industry Polytechnic, No. 139 Hanpu Avenue, Yuelu District, Changsha City, Hunan Province, 410208, People's Republic of China ~72: Xin LIN~

. - APPLIED ON 2023/11/30 -

2023/11050 ~ Provisional ~54:MATRIX XRT SORTER ~71:Kyle Botha, 7 La Roche Estate, Old Helshoogte Rd, South Africa ~72: Adriaan Botha~

2023/11051 ~ Provisional ~54:MATRIX DUAL XRT SYSTEM ~71:Kyle Botha, 7 La Roche Estate, Old Helshoogte Rd, South Africa ~72: Adriaan Botha;Kyle Botha~

2023/11052 ~ Complete ~54:METHOD FOR ESTIMATING HEALTH STATE OF MINING LITHIUM-ION BATTERY PACK BASED ON CAPACITY INCREMENT CURVE ~71:ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY, No. 168,Taifeng Street, Shannan New District, Huainan City, Anhui Province, 232063, People's Republic of China;HUAINAN NORMAL UNIVERSITY, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: CAI Feng;FENG Juqiang;HUANG Kaifeng;WU Long;ZHANG Shaoning;ZHANG Xing~

2023/11062 ~ Complete ~54:BLOCKCHAIN-BASED TRADING SYSTEM ~71:ZHEJIANG UNIVERSITY, NO. 866 YUHANGTANG ROAD, People's Republic of China ~72: CHEN, Junru;LU, Wencong;QIAN, Wenxin~

2023/11070 ~ Complete ~54:SUBSTITUTED INDOLE COMPOUNDS AND METHODS OF USE THEREOF ~71:CHINOOK THERAPEUTICS, INC., 400 Fairview Avenue North, Suite 900, United States of America ~72: BESTVATER, Brian P.;DING, Jinyue;GOMEZ, Robert;MATEYKO, Nicholas Anton;OIKE, Taro;POWELL, David Andrew;ROSE, Victoria Elizabeth;SHENG, Tao~ 33:US ~31:63/196,339 ~32:03/06/2021;33:US ~31:63/290,019 ~32:15/12/2021;33:US ~31:63/346,120 ~32:26/05/2022

2023/11075 ~ Complete ~54:A PROCESS AND APPARATUS FOR THE PRODUCTION OF HYDROGEN ~71:EPRO DEVELOPMENT LIMITED, Suite M3, 10/F, Kaiser Estate, Phase 3, 11 Hok Yuen Street, People's

Republic of China ~72: CHEN, Bing;KYOUNGJIN, Alicia;LAU, Albert Pui Sang;NG, Yun Hau;TEOH, Wey Yang;WANG, Peng~ 33:AU ~31:2021901498 ~32:19/05/2021

2023/11078 ~ Complete ~54:NITROGEN-CONTAINING HETEROCYCLIC COMPOUND, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF IN MEDICINES ~71:JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., No. 7 Kunlunshan Road, Economic and Technological Development Zone, People's Republic of China;SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., No. 279 Wenjing Road, Minhang District, People's Republic of China ~72: CAI, Guodong;DONG, Huaide;HE, Feng;LI, Xin;TAO, Weikang~ 33:CN ~31:202110565410.0 ~32:24/05/2021;33:CN ~31:202110694022.2 ~32:22/06/2021;33:CN ~31:202110856289.7 ~32:28/07/2021;33:CN ~31:202210198679.4 ~32:02/03/2022

2023/11085 ~ Complete ~54:A UNIT DOSE TABLET COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: GIRISH MURALIDHARAN;RAJEESH KUMAR RAMACHANDRAN~ 33:EP ~31:21179488.8 ~32:15/06/2021

2023/11087 ~ Complete ~54:AQUEOUS ANTIPERSPIRANT COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: CAMERON KAY;CRAIG JAMES LUCKWELL~ 33:EP ~31:21184313.1 ~32:07/07/2021

2023/11090 ~ Complete ~54:SUBSTITUTED PHENYL-1H-PYRROLO[2, 3-c]PYRIDINE DERIVATIVES ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: CAI, Wei;DAI, Xuedong;DARVILLE, Nicolas Freddy Jacques Bruno;DEMIN, Samuël Dominique;DENG, Xiangjun;DYUBANKOVA, Natalia Nikolaevna;EDWARDS, James Patrick;HULPIA, Fabian;JOUFFROY, Matthieu Dominique;LEPRI, Susan;LI, Ming;LIANG, Chao;NG, Alicia Tee Fuay;PANDE, Vineet;QUEROLLE, Olivier Alexis Georges;SCHEPENS, Wim Bert Griet;SUN, Zhen;THURING, Johannes Wilhelmus J.;ZHANG, Zhigao~ 33:IB ~31:2021/097679 ~32:01/06/2021;33:IB ~31:2022/085680 ~32:08/04/2022

2023/11097 ~ Complete ~54:CONNECTOR ARRANGEMENT, DRILLING ARRANGEMENT AND METHOD FOR HIGH VOLTAGE ELECTRO PULSE DRILLING ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: ANDERS, Erik;LAUNIS, Sirpa;REKOLA, Jenni;UUSITALO, Jukka-Pekka;VOIGT, Matthias~ 33:EP ~31:21183411.4 ~32:02/07/2021

2023/11101 ~ Complete ~54:TM4SF19 INHIBITOR AND USES THEREOF ~71:KIM, Seong Jin, #901, The Mikelan Apartment, 91, Myeongdal-ro, Republic of Korea;MEDPACTO INC., (Borim Building, Seocho-dong), 92, Myeongdal-ro, Republic of Korea ~72: AN, Hae In;HEO, Jin Sun;HONG, Eun Ji;KIM, Min Woo;KIM, Seong Jin;PARK, Su Jin~ 33:KR ~31:10-2021-0072352 ~32:03/06/2021;33:KR ~31:10-2021-0174057 ~32:07/12/2021

2023/11102 ~ Complete ~54:FRETTING WEAR REDUCTION OF INTERFERENCE FITTED CONE CRUSHER HEAD ~71:METSO FINLAND OY, Rauhalanpuisto 9, Finland ~72: KUJANSUU, Petri;MERIKOSKI, Mikko~ 33:FI ~31:20215759 ~32:28/06/2021

2023/11103 ~ Complete ~54:FRETTING WEAR REDUCTION IN INTERFERENCE FIT OF CONE CRUSHER HEAD ~71:METSO FINLAND OY, Rauhalanpuisto 9, Finland ~72: KUJANSUU, Petri;MERIKOSKI, Mikko~ 33:FI ~31:20215758 ~32:28/06/2021

2023/11055 ~ Complete ~54:CARROT HARVESTING APPARATUS ~71:Anhui Science And Technology University, No. 9, Donghua Road, Fengyang County, Anhui Province, 233100, People's Republic of China ~72: JIANG, Chunxia;MIAO, Kangshu;TU, Heping;ZHANG, Xiaolong~

2023/11066 ~ Complete ~54:GRAPHICAL USER INTERFACE SYSTEM ~71:Methodical Mind, LLC., 1601 Research Blvd., ROCKVILLE 20850, MD, USA, United States of America ~72: CHRISTIANSEN, Bradley;CONG, Xinri;PRABHU, Arvind;VOCK, Michael;WOHLSTADTER, Jacob~ 33:US ~31:62/954,052 ~32:27/12/2019

2023/11086 ~ Complete ~54:ORAL COMPLEX TABLET COMPRISING SITAGLIPTIN, DAPAGLIFLOZIN, AND METFORMIN ~71:HANMI PHARM. CO., LTD., 214, Muha-ro, Paltan-myeon, Hwaseong-si, Gyeonggi-do, 18536, Republic of Korea ~72: HO TAEK IM;JI WON BAEK;JIN WOOK TAK;TAEK KWAN KWON;YONG IL KIM~ 33:KR ~31:10-2021-0089566 ~32:08/07/2021

2023/11095 ~ Complete ~54:AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: POTTER, Mark~ 33:GB ~31:2110331.2 ~32:19/07/2021

2023/11068 ~ Complete ~54:COT MODULATORS AND METHODS OF USE THEREOF ~71:GILEAD SCIENCES, INC., 333 LAKESIDE DRIVE, FOSTER CITY, United States of America ~72: CANALES, EDA Y.;DESAI, MANOJ C.;GORMAN, ERIC;LI, JIAYAO;SAITO, ROLAND D.;TAYLOR, JAMES G.;WRIGHT, NATHAN E.~ 33:US ~31:62/861,390 ~32:14/06/2019

2023/11074 ~ Complete ~54:ATOMIZER RESERVOIR ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Bertrand BELE;Jean-Marie GALPIN;Johnny C BRANNBACKA;William P UMLAUF~ 33:IB ~31:PCT/IB2021/056711 ~32:26/07/2021

2023/11082 ~ Complete ~54:A TABLET COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: GAURAV PATHAK;GIRISH MURALIDHARAN;RAJEESH KUMAR RAMACHANDRAN~ 33:EP ~31:21177953.3 ~32:07/06/2021

2023/11083 ~ Complete ~54:SKIN CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: PING WEI;WEI BIAN~ 33:CN ~31:PCT/CN2021/099576 ~32:11/06/2021;33:EP ~31:21189246.8 ~32:03/08/2021

2023/11089 ~ Complete ~54:COMPOSITION HAVING ENHANCED D-TAGATOSE PLANT-BLIGHT-CONTROLLING EFFECT AND RAIN RESISTANCE ~71:Mitsui Chemicals Crop & Life Solutions, Inc., 1-19-1, Nihonbashi, CHUO-KU 1030027, TOKYO, JAPAN, Japan ~72: FUKUMOTO, Takeshi;KITANO , Tomoyuki;NOMURA , Kazuki;OHARA, Toshiaki;OKAMOTO, Keita;SASAKURA, Niiha~ 33:JP ~31:2021-093226 ~32:02/06/2021

2023/11110 ~ Provisional ~54:MATRIX DUAL SORTER ~71:Kyle Botha, 7 La Roche Estate, Old Helshoogte Rd, South Africa ~72: Adriaan Botha;Kyle Botha~

2023/11108 ~ Provisional ~54:SORTER MAIN MACHINE ~71:Kyle Botha, 7 La Roche Estate, Old Helshoogte Rd, South Africa ~72: Adriaan Botha~

2023/11109 ~ Provisional ~54:MATRIX XRT ALIGNMENT ~71:Kyle Botha, 7 La Roche Estate, Old Helshoogte Rd, South Africa ~72: Adriaan Botha;Kyle Botha~

2023/11111 ~ Provisional ~54:DWIK SORTER SYSTEM ~71:Kyle Botha, 7 La Roche Estate, Old Helshoogte Rd, South Africa ~72: Adriaan Botha;Adriaan Botha~

2023/11073 ~ Complete ~54:COMPOUND USED AS BCR-ABL INHIBITOR ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No.369 Yuzhou South Rd., Lianyungang, People's Republic of China ~72: LIU, Xin;QIN, Hui;WANG, Jinan;WU, Songsong;YE, Jiawei;ZHANG, Yinsheng~ 33:CN

~31:202110592542.2 ~32:28/05/2021;33:CN ~31:202111094508.9 ~32:17/09/2021;33:CN ~31:202111661984.4 ~32:31/12/2021

2023/11079 ~ Complete ~54:METHODS AND COMPOSITIONS FOR GENOMIC INTEGRATION ~71:MYELOID THERAPEUTICS, INC., 300 Technology Square, Suite 203, United States of America ~72: BISARIA, Namita;GETTS, Daniel;LY, Socheata;SHCHERBAKOVA, Inna;WANG, Yuxiao~ 33:US ~31:63/187,117 ~32:11/05/2021;33:US ~31:63/254,791 ~32:12/10/2021;33:US ~31:63/274,907 ~32:02/11/2021

2023/11104 ~ Complete ~54:NITROXOLINE FOR USE IN THE TREATMENT OF CUTANEOUS NEUROFIBROMA ~71:HEALX LIMITED, Charter House, 66-68 Hills Road, United Kingdom ~72: BROWN, David~ 33:GB ~31:2108224.3 ~32:09/06/2021

2023/11112 ~ Provisional ~54:SINGLE PARTICLE SORTER ~71:Kyle Botha, 7 La Roche Estate, Old Helshoogte Rd, South Africa ~72: Adriaan Botha;Kyle Botha~

2023/11113 ~ Provisional ~54:MATRIX ID ALGORITHM ~71:Kyle Botha, 7 La Roche Estate, Old Helshoogte Rd, South Africa ~72: Adriaan Botha;Kyle Botha~

2023/11053 ~ Complete ~54:FURNACE STRUCTURE OF CHAIN-GRATE BOILER ACHIEVING BALED BIOMASS COMBUSTION ~71:HENAN BOILER AND PRESSURE VESSEL INSPECTION TECHNOLOGY RESEARCH INSTITUTE, No. 70, Jingnan 1st Road, Economic Development Zone, Zhengzhou City, Henan Province, 450016, People's Republic of China;Henan Agricultural University, Henan Agricultural University, No. 63 Nongye Road, Jinshui District, Zhengzhou City, Henan Province, 450002, People's Republic of China;Henan Province Sitong Boiler Co., Ltd., Yangxia Road, Industry Cluster, Taikang County, Zhoukou City, Henan Province, 461499, People's Republic of China ~72: FENG, Kun;FENG, Shaohua;FENG, Wei;HUANG, Li;LIU, Shengyong;LIU, Tingting;LU, Jie;MA, Jiang;MA, Jiangdong;MA, Zhuohui;MA, Zongguang;QIN, Lichen;QING, Chunyao;SUN, Zhongren;TAO, Hongge;WEN, Ping;XU, Yanshen;YU, Shaoying;ZHAO, Xiangnan~

2023/11071 ~ Complete ~54:TREATMENT OF PLASTIC-DERIVED OIL ~71:SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, HR The Hague, Netherlands ~72: DEL PAGGIO, Alan Anthony;RAUSCH, Christopher;SAKAMOTO, Alexandra Ioana;WHITECOTTON, Wes W~ 33:US ~31:63/217,424 ~32:01/07/2021

2023/11072 ~ Complete ~54:ADDITIVELY MANUFACTURED METAL CASINGS ~71:COMPOSITE TECHNOLOGY R & D PTY LIMITED, Level 26, 26.02 Governor, Phillip Tower, 1 Farrer Place Sydney, Australia ~72: KHOURI, Anthony J;LANG, Jeffrey~ 33:AU ~31:2021901627 ~32:31/05/2021

2023/11080 ~ Complete ~54:A FACTORY SEEDLING AND SEEDING DEVICE ~71:Lu'an Xiangchuan Technology Co., Ltd., 80 Meters East of Huaibin Road and Linfeng Road, Linhuaigang Township, Huoqiu County, Lu'an City, Anhui Province, 237484, People's Republic of China ~72: Jiyun Shen;Xiuqin Hu~

2023/11092 ~ Complete ~54:ELECTROLYZER WITH MULTI-CELL ELEMENTS ~71:thyssenkrupp nucera AG & Co. KGaA, Vosskuhle 38, DORTMUND 44141, GERMANY, Germany ~72: AUSTENFELD, Sebastian;BRINKMANN, Jonas;KLINK, Stefan;SCANNELL, Robert;TOROS, Peter~ 33:EP ~31:21184621.7 ~32:08/07/2021

2023/11106 ~ Complete ~54:SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION ~71:OHIO STATE INNOVATION FOUNDATION, 1524 North High Street, Columbus, Ohio 43201, United States of America ~72: DARRAH, Thomas;HOWAT, Ian;MOORTGAT, Joachim;WHYTE, Colin~ 33:US ~31:63/182,624 ~32:30/04/2021

2023/11077 ~ Complete ~54:TREATMENT OF OBESITY AND OBESITY-RELATED DISORDERS ~71:ANTAG THERAPEUTICS APS, Ole Maaløes Vej 3, Denmark ~72: HOVARD SPARRE-ULRICH, Alexander;ROSENKILDE, Mette Marie~ 33:EP ~31:21178712.2 ~32:10/06/2021

2023/11081 ~ Complete ~54:ANTIBODIES ~71:OXFORD UNIVERSITY INNOVATION LIMITED, Buxton Court, 3 West Way, United Kingdom ~72: HARDMAN, Clare;HARDMAN, Clare;OGG, Graham~ 33:GB ~31:2107517.1 ~32:26/05/2021;33:GB ~31:2116709.3 ~32:19/11/2021

2023/11140 ~ Provisional ~54:ACS HSGV MODULAR CONCEPT ~71:Tiaan Millard, 12 Honeyguide cres, South Africa ~72: Tiaan Millard~

2023/11054 ~ Complete ~54:SYSTEMS INCLUDING HANDHELD DEVICES TO DELIVER MICROCURRENTS AND/OR KINESIOLOGICAL SCULPTING, USEFUL IN SKIN CARE ~71:MICRO CURRENT TECHNOLOGY, INC., 2244 1st Ave S, United States of America ~72: SUZUKI, David S.~ 33:US ~31:63/576,441 ~32:29/12/2022;33:US ~31:63/470,342 ~32:01/06/2023;33:US ~31:18/379,303 ~32:12/10/2023

2023/11057 ~ Complete ~54:METHOD FOR STUDYING AND JUDGING ZONATION AND ORE-BEARING POTENTIAL OF OXIDATION ZONE OF IN-SITU LEACHING SANDSTONE TYPE URANIUM ORE ~71:CNNC GEOLOGIC PARTY NO .208, Block 9, Alding Street, Kundulun District, Baotou City, People's Republic of China ~72: LIU, Guoning;SHEN, Kefeng;WANG, Hui;YAN, Pengbing~ 33:CN ~31:2022115375052 ~32:02/12/2022

2023/11091 ~ Complete ~54:MULTI-LEVEL BLOCKCHAIN ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: MOLLOY, Katharine;TARTAN, Chloe;WRIGHT, Craig Steven~ 33:GB ~31:2109191.3 ~32:25/06/2021

2023/11094 ~ Complete ~54:CRYSTALLINE SOLIDS OF NICOTINIC ACID MONONUCLEOTIDE AND ESTERS THEREOF AND METHODS OF MAKING AND USE ~71:Metro International Biotech, LLC, 10 Canal Park, Suite 201, CAMBRIDGE 02141, MA, USA, United States of America ~72: BATES, Martin;HARRIS, Joseph;KOPPETSCH, Karsten;KREMSKY, Jonathan N.;PITAK, Mateusz;SZCZEPANKIEWICZ, Bruce~ 33:US ~31:63/193,905 ~32:27/05/2021

2023/11099 ~ Complete ~54:A PROCESS FOR THE ISOLATION AND CULTURE OF STRAINS, THE STRAINS, USE THEREOF, MEDIA FOR CULTURING THEREOF AND A FORM OF SCYTONEMIN ~71:UVERA SA, Muszyńskiego, 2, Poland ~72: JANDER, Magdalena;KICIAK, Adam~ 33:PL ~31:P.437991 ~32:28/05/2021

2023/11105 ~ Complete ~54:WATER POLLUTION TREATMENT DEVICE ~71:XUCHANG UNIVERSITY, No. 88 Bayi Road, Xuchang, Henan, 461000, People's Republic of China ~72: HUANG, Dongying;LIN, Xiaoguang;ZHANG, Xiaomeng;ZHENG, Jinggang~ 33:CN ~31:202110184977.3 ~32:10/02/2021

2023/11060 ~ Complete ~54:A GLENOID PROSTHESES SYSTEM ~71:Jingri Jin, 14th Floor of the First Department of Bone Doctor's Office, Emergency Surgery Building, Yanbian University Affiliated Hospital, Yanji City, Jilin Province, 133000, People's Republic of China ~72: Baojian Zhang;Haifeng Li;Hongri Li;Jingri Jin;Mingjun Piao;Yanhu Zhang;Yanqun Liu~

2023/11065 ~ Complete ~54:AN ANIMAL SKIN FOOD PRODUCT SUITABLE FOR COOKING IN A MICROWAVE ~71:LEKKER CRACKLE (PTY) LTD, Plot 82, Catherine Road, South Africa ~72: BROWN, Michael Stephen;PIENAAR, Grant Garness~

2023/11088 ~ Complete ~54:METHOD OF MANUFACTURE OF ANTIPERSPIRANT SALTS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: CAMERON KAY;CRAIG JAMES LUCKWELL~ 33:EP ~31:21184287.7 ~32:07/07/2021

2023/11098 ~ Complete ~54:CEMENTED CARBIDE INSERT FOR MINING OR CUTTING APPLICATIONS COMPRISING GAMMA PHASE CARBIDE ~71:Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: GARCIA, José Luis;MÅRTENSSON, Malin;MADERUD, Carl-Johan;NORDGREN, Anders~ 33:EP ~31:21185471.6 ~32:14/07/2021

2023/11056 ~ Complete ~54:ARCH STRUCTURE OF CHAIN-GRATE BOILER USING BALED BIOMASS FUEL ~71:HENAN BOILER AND PRESSURE VESSEL INSPECTION TECHNOLOGY RESEARCH INSTITUTE, No. 70, Jingnan 1st Road, Economic Development Zone, Zhengzhou City, Henan Province, 450016, People's Republic of China;Henan Agricultural University, No. 63 Nongye Road, Jinshui District, Zhengzhou City, Henan Province, 450002, People's Republic of China;Henan Province Sitong Boiler Co., Ltd., Yangxia Road, Industry Cluster, Taikang County, Zhoukou City, Henan Province, 461499, People's Republic of China ~72: FENG, Kun;FENG, Shaohua;FENG, Wei;HUANG, Li;LI, Dongdong;LIU, Shengyong;LIU, Tingting;LU, Jie;MA, Jiang;MA, Jiangdong;MA, Zhuohui;MA, Zongguang;QIN, Lichen;QING, Chunyao;SUN, Zhongren;TAO, Hongge;WANG, Jiong;WEN, Ping;XU, Yanshen;YU, Shaoying;ZHANG, Pin;ZHAO, Xiangnan~

2023/11058 ~ Complete ~54:PREPARATION METHOD FOR CASSAVA RESIDUE FERMENTED FEED AND APPLICATION ~71:INSTITUTE OF TROPICAL BIOSCIENCE AND BIOTECHNOLOGY, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES, NO. 4 XUEYUAN ROAD, People's Republic of China ~72: GUO, Niu;SUN, Haiyan;YANG, Jinghao;ZHAO, Pingjuan~

2023/11059 ~ Complete ~54:IMAGE SEGMENTATION METHOD BASED ON IMPROVED WHALE ALGORITHM AND KERNEL FUZZY C-MEANS CLUSTERING ~71:Changsha Social Work College, No. 421, Xiangzhang Road, Yuhua District, Changsha, Hunan, People's Republic of China ~72: LEI Xiangxiao;TANG Chunxia;XU Lijuan~

2023/11063 ~ Complete ~54:IMPROVED ROTARY TELEHANDLER ~71:MANITOU ITALIA S.R.L., Via Cristoforo Colombo 2, Castelfranco Emilia (Modena), 41013, Italy ~72: MARCO IOTTI~ 33:IT ~31:102022000026658 ~32:23/12/2022

2023/11076 ~ Complete ~54:DESIGN METHOD FOR CONNECTION SHEET, CONNECTION SHEET, ENERGY STORAGE DEVICE AND ELECTRIC DEVICE ~71:XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD., 201-1, Comprehensive Building 5, No. 11, Butang Middle Road, Industrial Base Of Xiamen Torch High Tech Zone (Tongxiang),, People's Republic of China ~72: HUANG, Hanchuan~ 33:CN ~31:202211391375.6 ~32:08/11/2022

2023/11084 ~ Complete ~54:A COMPOSITION FOR REDUCING MALODOUR ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: MANU GEORGE;RAMYA SAMPATH KUMAR;SAMIRAN MAHAPATRA;SHANTHI APPAVOO;SRILAXMI VENKATA MEDEPALLI~ 33:EP ~31:21184450.1 ~32:08/07/2021

2023/11061 ~ Complete ~54:METHOD AND APPLICATION OF SEPARATION OF SAPONINS FROM ASPARAGUS PROCESSING WASTE ~71:Jinan Fruit Research Institute, All China Federation of Supply and Marketing Cooperatives, No. 24, Yanzishan Community East Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: Di Ma;Maoyu Wu;Mengnan Tan;Ning Cao;Shaoxiang Pan;Susu Yu;Xiaodong Zheng;Xinhuan Yan;Xuemei Liu;Ye Song;Zhicheng Li~

2023/11064 ~ Complete ~54:ADJUSTABLE FORK FOR HEAVY LOADS ~71:MANITOU ITALIA S.R.L., Via Cristoforo Colombo 2, Castelfranco Emilia (Modena), 41013, Italy ~72: MARCO IOTTI~ 33:IT ~31:102022000026055 ~32:20/12/2022

2023/11067 ~ Complete ~54:A DEVICE FOR MEASURING COAL RANK AND MOISTURE CONTENT OF COAL ~71:AFRICAN NEW ENERGIES LIMITED, Villa Florita, East Road, St George’s Hill, United Kingdom ~72:

AIMEN, Habib;KHAN, Saad Saleem;LARKIN, Stephen;OMAR, Muhammad;RAW, Brendon;TAHA, Muhammad;USMAN, Muhammad~

2023/11069 ~ Complete ~54:BRIDGED TRICYCLIC CARBAMOYLPYRIDONE COMPOUNDS AND THEIR PHARMACEUTICAL USE ~71:GILEAD SCIENCES, INC., 333 LAKESIDE DRIVE, FOSTER CITY, United States of America ~72: CHU, HANG;GONZALEZ BUENROSTRO, ANA Z.;GUO, HONGYAN;HAN, XIAOCHUN;JIANG, LAN;LI, JIAYAO;MITCHELL, MICHAEL L.;PYUN, HYUNG-JUNG;SCHROEDER, SCOTT D.;SCHWARZWALDER, GREGG M.;SHAPIRO, NATHAN D.;SHIVAKUMAR, DEVLEENA M.;WU, QIAOYIN;YANG, HONG;ZHANG, JENNIFER R.~ 33:US ~31:62/822,703 ~32:22/03/2019;33:US ~31:62/948,697 ~32:16/12/2019

2023/11093 ~ Complete ~54:LENTIVIRAL VECTOR ~71:Touchlight IP Limited, Morelands And Riverdale Buildings, Lower Sunbury Road, HAMPTON TW12 2ER, UNITED KINGDOM, United Kingdom ~72: ADIE, Thomas;BARREIRA GONZALEZ, Maria;MOORE, Sarah~ 33:GB ~31:2108176.5 ~32:08/06/2021;33:GB ~31:2207077.5 ~32:14/05/2022

2023/11096 ~ Complete ~54:ENFORCING CONDITIONS ON BLOCKCHAIN TRANSACTIONS ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: ZHANG, Wei~ 33:GB ~31:2110345.2 ~32:19/07/2021

2023/11100 ~ Complete ~54:ORAL COMPOSITIONS AND RELATED METHODS FOR REDUCING THROAT IRRITATION ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, United Kingdom ~72: CAMPOS, Alexandre Mendes;KELLER, Christopher;POOLE, Thomas H.;ROOHINEJAD, Shahin;SAIN, Matthew D.~ 33:US ~31:63/184,833 ~32:06/05/2021

. - APPLIED ON 2023/12/01 -

2023/11120 ~ Complete ~54:A COAL GANGUE/POLYURETHANE GROUTING COMPOSITE MATERIAL AND ITS PREPARATION METHOD ~71:Shanxi-Zheda Institute of Advanced Materials and Chemical Engineering, No.87 Zhengyang Street, Xiaodian District, Taiyuan City, Shanxi Province, 030032, People's Republic of China;Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Fengbo ZHU;Fuyong LIU;Lan JIA;Sitong ZHANG;Wenwen YU;Xu LI;Yang LIU;Yanqin WANG;Zhiyi ZHANG~ 33:CN ~31:2023112502188 ~32:26/09/2023

2023/10921 ~ Complete ~54:PIPERIDINE UREA DERIVATIVES FOR USE AS INOTROPIC AGENTS ~71:Dana-Farber Cancer Institute, Inc., 450 Brookline Avenue, BOSTON 02215-5450, MA, USA, United States of America;Xyone Therapeutics Inc., 780 Dedham Street, Suite 800, CANTON 02021, MA, USA, United States of America ~72: BERNAREGGI, Alberto;GIULIANO, Claudio;LOVATI, Emanuela;LUND, Lars;PIETRA, Claudio~ 33:EP ~31:21177292.6 ~32:02/06/2021

2023/11124 ~ Complete ~54:SUBSTITUTED 1,2-DIHYDRO-3H-PYRAZOLO[3,4-D]PYRIMIDIN-3-ONES ~71:Recurium IP Holdings, LLC, 10835 Road to the Cure, Suite 205, SAN DIEGO 92121, CA, USA, United States of America ~72: ABRAHAM, Sunny;BOREN, Brant Clayton;BUNKER, Kevin Duane;HEGDE, Sayee Gajanan;HOPKINS, Chad Daniel;HUANG, Peter Qinhua;LIU, Hui;PALIWAL, Sunil;UNNI, Aditya Krishnan~ 33:US ~31:62/641,149 ~32:09/03/2018;33:US ~31:62/755,163 ~32:02/11/2018

2023/10924 ~ Complete ~54:GELLING CITRUS FIBERS AND METHODS OF MANUFACTURE ~71:Senseair AB, Box 96, DELSBO 824 08 , SWEDEN, Sweden ~72: CARVER, Kelly;COUTROS-HOFFMANN, Stella;CROWE, Matthew;DIENG, Senghane;GHASEMZADEH-BARVARZ, Massoud;HIRSCH, Julie;LUCERO, Carlos;MEDIC, Jelena;TZENG, John;WELCHOFF, Marjorie~ 33:US ~31:63/208,123 ~32:08/06/2021

2023/10922 ~ Complete ~54:INHIBITORS OF BRUTON'S TYROSINE KINASE AND METHODS OF THEIR USE ~71:Vigil Neuroscience, Inc., One Broadway Suite 07-300, CAMBRIDGE 02142, MA, USA, United States of America ~72: BALASUBRAMANIAN, Sriram;CORNELISSEN, Ivo;GUO, Yue;LEU, Jocelyn H.;MIAO, Xin;PACKMAN, Kathryn E.;PALMER, James Alexander;PHILIPPAR, Ulrike;RAO, Navin;TICHENOR, Mark S.;VENABLE, Jennifer D.;WIENER, John J. M.~ 33:US ~31:63/196,843 ~32:04/06/2021

2023/10925 ~ Complete ~54:COMPOSITIONS COMPRISING CURCUMINOIDS FOR USE IN THE TREATMENT OF MUSCLE SORENESS ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: FANÇA-BERTHON, Pascale Elizabeth Renée;LAVAL, Julie;NARANJO MODAD, Sandra~ 33:GB ~31:2108511.3 ~32:15/06/2021

2023/11115 ~ Provisional ~54:AERODYNAMIC STRUCTURES EXHIBITING REDUCED DRAG AT SUPERSONIC SPEEDS ~71:University of the Witwatersrand, Johannesburg, 1 Jan Smuts Avenue, Braamfontein, 2001, SOUTH AFRICA, South Africa ~72: MYBURGH, Sabrina Gabrielle;PATON, Randall Tyrone;SKEWS, Beric William~

2023/11119 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF GROUP-MODIFIED GRAPHITIC CARBON NITRIDE PHOTOCATALYST ~71:Hainan Normal University, HAINNU, No. 99 Longkun South Road, Haikou City, Hainan Province, People's Republic of China ~72: HUANG Mingxiu;JIANG Meng;WANG Bei;XIE Jinqian~ 33:CN ~31:202310476872.4 ~32:28/04/2023

2023/11131 ~ Complete ~54:SOLID DOSAGE FORMS AND DOSING REGIMENS COMPRISING (2R,3S,4S,5R)-4-[[3-(3,4-DIFLUORO-2-METHOXY-PHENYL)-4,5-DIMETHYL-5-(TRIFLUOROMETHYL) TETRAHYDROFURAN-2-CARBONYL]AMINO]PYRIDINE-2-CARBOXAMIDE ~71:VERTEX PHARMACEUTICALS INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: BRENDA CIRINCIONE;CATHERINE P METZLER;CATHY CHU;DARIN J CORRELL;JAMES B JONES;JOHN F STAROPOLI;JONATHAN M MILLER;KATIE L MCCARTY;KIRK RAYMOND DINEHART;LICONG JIANG;MARK C PETERSON;PALOMA BENITO GALLO;PHILIP KAJ HARDER DELFF;RADHIKA KARKARE;RAHUL ROOPWANI;TANYA LOUISE HAY~ 33:US ~31:63/196,933 ~32:04/06/2021;33:US ~31:63/196,937 ~32:04/06/2021;33:US ~31:63/285,197 ~32:02/12/2021;33:US ~31:63/285,201 ~32:02/12/2021

2023/11121 ~ Complete ~54:A PROCESSING METHOD FOR ENHANCING THE OIL ADSORPTION ABILITY OF ASPARAGUS CRUDE FIBER POWDER ~71:Jinan Fruit Research Institute, All China Federation of Supply and Marketing Cooperatives, No. 24, Yanzishan Community East Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: Bin Wang;Bohua Zhang;Chao Ma;Chongdui Wang;Li Wang;Liying Ni;Maoyu Wu;Mengxue Sun;Ming Zhang;Qi Fan;Xiaofeng Meng~ 33:CN ~31:202311529364.4 ~32:16/11/2023

2023/11123 ~ Complete ~54:SUBSTITUTED 1,2-DIHYDRO-3H-PYRAZOLO[3,4-D]PYRIMIDIN-3-ONES ~71:Recurium IP Holdings, LLC, 10835 Road to the Cure, Suite 205, SAN DIEGO 92121, CA, USA, United States of America ~72: ABRAHAM, Sunny;BOREN, Brant Clayton;BUNKER, Kevin Duane;HEGDE, Sayee Gajanan;HOPKINS, Chad Daniel;HUANG, Peter Qinhua;LIU, Hui;PALIWAL, Sunil;UNNI, Aditya Krishnan~ 33:US ~31:62/641,149 ~32:09/03/2018;33:US ~31:62/755,163 ~32:02/11/2018

2023/10920 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE TREATMENT OF DEPRESSION ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: DREVETS, Wayne C.;GOPAL, Srihari;KEZIC, Iva;LAGISHETTY, Chakradhar;MELKOTE, Rama;PEMBERTON, Darrel;POPOVA, Vanina;SAVITZ, Adam;SCHMIDT, Mark~ 33:US ~31:17/307,858 ~32:04/05/2001;33:US ~31:17/670,123 ~32:11/02/2022;33:US ~31:63/313,782 ~32:25/02/2022

2023/10923 ~ Complete ~54:METHODS OF INHIBITING BOVINE MASTITIS DURING THE DRY PERIOD ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: CAIN, Joanna;STEELE, Mike;WAPENAAR, Wendela~ 33:US ~31:63/196,040 ~32:02/06/2021;33:US ~31:63/301,858 ~32:21/01/2022

2023/11127 ~ Complete ~54:AN ELECTROSTATIC SPRAY PLANT PROTECTION ROBOT ~71:Lu'an Xiangchuan Technology Co., Ltd., 80 meters east of Huaibin road and Linfeng Road, Linhuaigang Township, Huoqiu County, Lu’an City, Anhui Province, 237484, People's Republic of China ~72: Jiyun Shen;Xiuqin Hu~

2023/11129 ~ Complete ~54:MEASURED RESTART OF MICROCONTROLLERS ~71:MICROSOFT TECHNOLOGY LICENSING, LLC, One Microsoft Way, Redmond, Washington, 98052-6399, United States of America ~72: BALAJI VEMBU;CÉDRIC ALAIN MARIE FOURNET;COLIN DOAK;DAVID RUGGLES;KAPIL VASWANI;RICHARD NEAL;SIMON DOUGLAS CHAMBERS;STAVROS VOLOS~ 33:US ~31:17/374,900 ~32:13/07/2021

2023/11138 ~ Complete ~54:METHOD OF MANUFACTURING HYBRID ADDITIVE FABRIC, THE FABRIC, AND TOOLS FOR MANUFACTURING FABRIC ~71:ZEPHLINEAR LTD, Sherwood Ent- terprise Centre,486 Mansfield Road, Sherwood,, United Kingdom ~72: REYNOLDS, Sonia Michelle;~ 33:GB ~31:2106303.7 ~32:02/05/2021

2023/11139 ~ Provisional ~54:WOUND CUP BANDAGE ~71:KHUMO PAUL MORE, 7129 RODNEY MPHELA STREET, South Africa ~72: KHUMO PAUL MORE~

2023/11136 ~ Complete ~54:PROCESSES FOR REGENERATING CATALYSTS AND FOR UPGRADING ALKANES AND/OR ALKYL AROMATIC HYDROCARBONS ~71:ExxonMobil Chemical Patents Inc., 5200 Bayway Drive, BAYTOWN 77520, TX, USA, United States of America ~72: BAI, Chuansheng;BAO, Xiaoying;COLEMAN, John S.;DIAZ URRUTIA, Christian A.;KUECHLER, Keith H.~ 33:US ~31:63/195,966 ~32:02/06/2021;33:US ~31:63/328,923 ~32:08/04/2022

2023/11117 ~ Complete ~54:AN ECOLOGICAL GREEN WALL FOR WASTEWATER TREATMENT ~71:SHANGHAI ACADEMY OF AGRICULTURAL SCIENCES, No. 1000, Jinqi Road, Fengxian District, Shanghai, People's Republic of China ~72: HUANG, Weiwei;LV, Weiguang;ZHOU, Wenzong~

2023/11128 ~ Complete ~54:A PORTABLE MULTIFUNCTIONAL ADJUSTABLE MEDICATED MOXIBUSTION DEVICE AND ITS APPLICATION METHOD ~71:Chongqing Academy of Chinese Materia Medica, No. 34 Nanshan Road, Nan'an District, Chongqing, 400065, People's Republic of China ~72: Anqi Zhang;Chunshan Liu;Gang Chen;Hejing Liu;Jiangqiong Luo;Juan Li;Jun He;Shaobo Xiao;Xiaoping Zhou~ 33:CN ~31:202310850443.9 ~32:11/07/2023

2023/11130 ~ Complete ~54:MICROPCHIP CAPILLARY ELECTROPHORESIS ASSAYS AND REAGENTS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: GABRIEL CARREAU;JEFFREY SCHNEIDERHEINZE;NICOLE M NALL;TIMOTHY RIEHLMAN~ 33:US ~31:17/335,756 ~32:01/06/2021;33:US ~31:17/368,377 ~32:06/07/2021

2023/11114 ~ Provisional ~54:INDUCTIVE TOUCH SCREEN ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;BRUWER, Frederick Johannes Jnr.~

2023/11118 ~ Complete ~54:RETAINING METHOD FOR GOB-SIDE ENTRY RETAINING ~71:Huaneng Coal Technology Research Co., Ltd., Room 301, 3rd Floor, Building 8, Zone 17, No. 188 South Fourth Ring West Road, Fengtai District, Beijing, People's Republic of China;Yunnan Diandong Yuwang Energy Co.,Ltd., Industrial Park in Shibalianshan Town, Fuyuan County, Qujing City, Yunnan Province, People's Republic of China ~72: FU

Jugen;GAO Jianxun;HU Bing;HU Chaowen;JIANG Qi;LI Lei;LI Yongyuan;MA Xingen;SUN Fulong;WANG Bingshan;WANG Mengxiang;ZHANG Jiangling;ZHANG Lei;ZHAO Qingquan~ 33:CN ~31:2023107445503 ~32:21/06/2023

2023/11122 ~ Complete ~54:MANAGEMENT SYSTEM FOR ANTI-COUNTERFEITING AND TRACEABILITY OF PUBLICATIONS AND METHOD OF USE THEREOF ~71:ZHENGZHOU SHANGCHUANG BOOKS CO., LTD., No. 102, 1st Floor, Building D4-7, High-tech Enterprise Accelerator, No. 55 Dongqing Street, Zhengzhou High-tech Industrial Development Zone, Henan Province, People's Republic of China ~72: JINGWEN WANG;PENG HUI WANG~ 33:CN ~31:2023102563575 ~32:16/03/2023

2023/11126 ~ Complete ~54:OXYGEN SUPPLY, COOLING AND DUST REMOVAL METHOD FOR TUNNEL CONSTRUCTION ~71:CENTRAL SOUTH UNIVERSITY, No.932, Lushan South Road, Yuelu District, Changsha, 410083, People's Republic of China;CHINA RAILWAY NO.5 ENGINEERING GROUP CO., LTD., No.23, Zaoshan Road, Yunyan District, Guiyang, 550003, People's Republic of China ~72: Chuangang FAN;Debin CHEN;Jun FU;Sheng XIONG;Shifan QIAO~ 33:CN ~31:202210875759.9 ~32:25/07/2022

2023/11294 ~ Complete ~54:HYDROXYAPATITE CATALYSTS FOR ISOBUTANOL SYNTHESIS ~71:China Petroleum & Chemical Corporation, No. 22 Chaoyangmen North Street, BEIJING 100728, CHINA (P.R.C.), People's Republic of China;UOP LLC, 25 East Algonquin Road, P.O. Box 5017, DES PLAINES 60017, IL, USA, United States of America ~72: HAVRAN MUELLER, Vesna;LONG, Richard;RUAN, Tian;SCHIPPER, Desmond~

2023/11116 ~ Provisional ~54:RECONFIGURABLE MOBILE MICROWAVE DEPOLYMERIZATION SYSTEM ~71:MICROWAVE SOLUTIONS GmbH, Chrischonoweg 99, Switzerland ~72: ROUSSOUW, Mathys Johannes~

2023/11125 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING RESPIRATORY SYSTEM DISEASES ~71:Tianyi Dangu (Linyi) Pharmaceutical Co., Ltd., No.209, Hongqi Road, Lanshan District, Linyi City, Shandong, People's Republic of China ~72: Xia Meng~

2023/11137 ~ Complete ~54:COMBINATION THERAPY COMPRISING A MAT2A INHIBITOR AND A TYPE II PRMT INHIBITOR ~71:Ideaya Biosciences, Inc., 7000 Shoreline Court, Suite 350, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: DILLON, Michael Patrick;FISCHER, Marcus Michael;GERRICK, Kimberline Yang;NEILAN, Claire L.~ 33:US ~31:63/196,008 ~32:02/06/2021;33:US ~31:63/362,438 ~32:04/04/2022;33:US ~31:63/364,360 ~32:09/05/2022

. - APPLIED ON 2023/12/04 -

2023/11143 ~ Complete ~54:GLOVE FOR BLIND BASED ON ARTIFICIAL INTELLIGENCE ~71:Donghua University, No.1882 Yan'an West Road, Shanghai, 201620, People's Republic of China ~72: JIN Jindi;LU Wendi;SHI Hao;WANG Jiarui;WANG Xiyuan;XIE Guanghong~

2023/11147 ~ Complete ~54:BREAKABLE LOCKING CAP FOR A CONTAINER COMPRISING A NECK ~71:A. RAYMOND ET CIE, 113 COURS BERRIAT, 38000 GRENOBLE, FRANCE, France ~72: HAMADENE, Sofien;PELLET, Stéphanie~ 33:FR ~31:FR2214266 ~32:22/12/2022

2023/11158 ~ Complete ~54:TUBE CUTTER FOR CUTTING A ROUND TUBE AND METHOD FOR CUTTING A ROUND TUBE TO LENGTH ~71:CONEX IPR LIMITED, GLOBAL HOUSE, 95 VANTAGE POINT THE PENSNETT ESTATE, KINGSWINFORD WEST MIDLANDS DY6 7FT, UNITED KINGDOM, United Kingdom ~72: GLAZE, Alan;KLINSKI, Grzegorz;LEIGH, Richard;SALEHI-BAKHTIARI, Manouchehr~

2023/11159 ~ Complete ~54:PRECODING INFORMATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AHMED, Rana;TOSATO, Filippo~ 33:US ~31:63/187,347 ~32:11/05/2021;33:US ~31:63/230,349 ~32:06/08/2021

2023/11164 ~ Complete ~54:APPARATUS FOR IMPROVING HYDRATION AND / OR REDUCING PARTICLE SIZE OF A PRODUCT AND A METHOD OF USE THEREOF ~71:ST ANDREWS PHARMACEUTICAL TECHNOLOGY LIMITED, 54 Queen Street, Henley-on-Thames, United Kingdom ~72: HENRY, WIlliam John~ 33:GB ~31:2108437.1 ~32:14/06/2021;33:GB ~31:2202960.7 ~32:03/03/2022

2023/11144 ~ Complete ~54:A CALCULATION METHOD FOR DETERMINING THE REBOUND MODULUS OF GRANULAR MATERIAL LAYER ~71:Changsha University of Science & Technology, No.960, 2nd Section, South Wanjiali Road, Tianxin District, Changsha City, Hunan Province, 410114, People's Republic of China;Guangdong Metallurgical Building Design & Research Institute Co., Ltd., No.35, Zhongshan 2nd Road, Yuexiu District, Guangzhou City, Guangdong Province, 510080, People's Republic of China ~72: Ronghai FANG;Shiqing YU;Wentao SONG;Xin YANG;You HUANG;Yu PAN;Zhaohui LIU~

2023/11174 ~ Provisional ~54:GUARDIANPRINT - HEALTH AND NEXT OF KIN DATABASE ~71:Mulalo Nengome, 754, oakdene parks, Stanley park, South Africa ~72: Mulalo Nengome~

2023/11149 ~ Complete ~54:CULTIVATION METHOD FOR PROMOTING GRAPES MATURE EARLY BY CONTROLLING DORMANCY IN GREENHOUSE ~71:Turpan Research Institute of Agricultural Sciences, Xinjiang Academy of Agricultural Sciences., No.845 of Munar Road, Gaochang District, Turpan, Xinjiang, 838000., People's Republic of China ~72: Abudula Ainiwaer;Abudureheman Riziwangguli;BAI Shijian;Han Chen;Li Haifeng;Liu Ping;Liu Wei;Mao Liang;Wang Xiping;Wu Jiuyun;Zha Qian;Zhang Chuan;Zhong Haixia~

2023/11166 ~ Complete ~54:COMPOSITION FOR FORMING A HYDROGEN PEROXIDE BASED EMULSION EXPLOSIVE ~71:HYPEX BIO EXPLOSIVES TECHNOLOGY AB, Mårbackagatan 11, 123 43, Farsta, Sweden ~72: ROBERT HÅKLAND;STEFAN NILSSON;THOMAS GUSTAVSSON~ 33:EP ~31:21172313.5 ~32:05/05/2021

2023/11171 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING SENSORINEURAL HEARING LOSS USING STEREOCILIN DUAL VECTOR SYSTEMS ~71:DECIBEL THERAPEUTICS, INC., 1325 Boylston Street Suite 500, Boston, Massachusetts, 02215, United States of America ~72: JOSEPH BURNS;LARS BECKER;MARTIN SCHWANDER;NING PAN;TYLER GIBSON;XUDONG WU~ 33:US ~31:63/184,737 ~32:05/05/2021

2023/11157 ~ Complete ~54:CYCLIC AMIDE-CONTAINING PYRIDYL XANTHINES AS A 2B ANTAGONISTS ~71:ADOVATE, LLC, 1180 SEMINOLE TRAIL, STE 495, CHARLOTTESVILLE, VIRGINIA 22901, USA, United States of America ~72: THOMPSON, Robert~ 33:US ~31:63/201,905 ~32:18/05/2021

2023/11161 ~ Complete ~54:MODIFIED GUIDE RNAS COMPRISING AN INTERNAL LINKER FOR GENE EDITING ~71:INTELLIA THERAPEUTICS, INC., 40 Erie Street, Cambridge, United States of America ~72: ALEXANDER, Seth, C.;BONANNO, Jasmine Josephine;MULEPATI, Sabin;PARMAR, Rubina Giare;STRETZ, Lindsey Jean;YOUNG, Michelle~ 33:US ~31:63/209,273 ~32:10/06/2021;33:US ~31:63/275,427 ~32:03/11/2021

2023/11163 ~ Complete ~54:HYBRID BUILDING SYSTEM, BUILDING AND METHOD ~71:SANO DEVELOPMENT LIMITED, Camellia House, 76 Water Lane, United Kingdom ~72: CHERRY, Anthony Robert;JONES, David Lee;SHENTON, Edward Ross~ 33:GB ~31:2107243.4 ~32:20/05/2021;33:GB ~31:2107244.2 ~32:20/05/2021;33:GB ~31:2107245.9 ~32:20/05/2021;33:GB ~31:2107247.5 ~32:20/05/2021;33:GB ~31:2107248.3 ~32:20/05/2021

2023/11168 ~ Complete ~54:COMPOSITION FOR FORMING AN EXPLOSIVE COMPRISING AN EMULSION OF HYDROGEN PEROXIDE AND AN OIL TYPE FUEL ~71:HYPEX BIO EXPLOSIVES TECHNOLOGY AB, Mårbackagatan 11, 123 43, Farsta, Sweden ~72: ROBERT HÅKLAND;STEFAN NILSSON;THOMAS GUSTAVSSON~ 33:EP ~31:21172315.0 ~32:05/05/2021

2023/11172 ~ Complete ~54:RAS INHIBITORS ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: ADRIAN L GILL;ELENA S KOLTUN;G. LESLIE BURNETT;JAMES CREGG;JOHN E KNOX;YANG LIU~ 33:US ~31:63/184,599 ~32:05/05/2021

2023/11141 ~ Provisional ~54:A DISPLACEMENT ASSEMBLY ~71:JOUBERT, Louis, Hoogenhout, 26 SONNEDOU, WELGEVONDEN, STELLENBOSCH, 7600, SOUTH AFRICA, South Africa ~72: JOUBERT, Louis, Hoogenhout~

2023/11150 ~ Complete ~54:A PALM WASTE BASED SANDWICH COMPOSITE STRUCTURE (SCS) AND A METHOD FOR ITS FABRICATION ~71:Diksha Palariya, Department of Chemistry, College of Basic Sciences & Humanities, G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand -263145, India;Dr. M.G.H. Zaidi, Department of Chemistry, College of Basic Sciences & Humanities, G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand -263145, India;Dr. Minakshi Pandey, Department of Chemistry, College of Basic Sciences & Humanities, G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand -263145, India;Dr. Sameena Mehtab, Department of Chemistry, College of Basic Sciences & Humanities, G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand -263145, India;Mohammad Aziz, Department of Chemistry, College of Basic Sciences & Humanities, G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand -263145, India;Rahul Patwal, Department of Chemistry, College of Basic Sciences & Humanities, G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand -263145, India;Vaibhav Arya, Department of Chemistry, College of Basic Sciences & Humanities, G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand -263145, India ~72: Diksha Palariya;Dr. M.G.H. Zaidi;Dr. Minakshi Pandey;Dr. Sameena Mehtab;Mohammad Aziz;Rahul Patwal;Vaibhav Arya~

2023/11151 ~ Complete ~54:A COMPUTER VISION AND MACHINE LEARNING BASED AUTOMATIC VEHICLE TRAFFIC CONTROL SYSTEM ~71:UTANE, Akshay Suresh, GOPI COLONY, RAM MOHAN NAGER BEHIND VMV, AMRAVATI, MAHARASHTRA, India ~72: MOHOD, Sharad Wasudeorao;UTANE, Akshay Suresh~

2023/11152 ~ Complete ~54:INJECTION MOULD WITH CONFORMAL COOLING CHANNELS MANUFACTURED BY METAL ADDITIVE MANUFACTURING ~71:Ningbo Polytechnic, No.388 Lushan East Road, Ningbo Economic and Technological Development Zone, Ningbo City, Zhejiang Province, 315000, People's Republic of China ~72: Li Jinyi;Ong Yung Chieh~ 33:CN ~31:202311554650.6 ~32:21/11/2023

2023/11155 ~ Complete ~54:METHOD FOR PREPARING ULTRATHIN, HIGH-STRENGTH AND HIGH-LIGHT-TRANSMITTING BIODEGRADABLE FOOD INNER PACKAGING FILM ~71:HAINAN NORMAL UNIVERSITY, 99 Longkun South Road, Haikou City, People's Republic of China ~72: SHI, Zaifeng;ZHANG, Dashuai;ZHANG, Xiaopeng;ZHANG, Yan~ 33:CN ~31:202310435454.0 ~32:21/04/2023

2023/11156 ~ Complete ~54:TIPPING PAPER WITH THERMALLY EXPANDABLE PARTICLES ~71:TANNPAPIER GMBH, Fabrikstraße 48a, 4050, Austria ~72: KNAUSEDER, Bernhard~ 33:AT ~31:A 50370/2021 ~32:12/05/2021

2023/11165 ~ Complete ~54:DOWNHOLE TOOL ASSEMBLIES ~71:REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD, 216 Balcatta Road, Australia ~72: COPLIN, Nicholas;JAVORKA, Marian;MOKARAMIAN, Amir;REILLY, James Barry~ 33:AU ~31:2021209301 ~32:29/07/2021

2023/11170 ~ Complete ~54:RAS INHIBITORS FOR THE TREATMENT OF CANCER ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: ADRIAN L GILL;ANDREAS BUCKL;ANNE V EDWARDS;CHRISTOPHER SEMKO;ELENA S KOLTUN;G. LESLIE BURNETT;JAMES CREGG;JENNIFER PITZEN;JOHN E KNOX~ 33:US ~31:63/184,618 ~32:05/05/2021

2023/11132 ~ Complete ~54:GENE THERAPY DELIVERY COMPOSITIONS AND METHODS FOR TREATING HEARING LOSS ~71: ~72: CHIANG, Hao;LENZ, Danielle R.;NG, Robert;SIMONS, Emmanuel John~ 33:US ~31:63/188,450 ~32:13/05/2021;33:US ~31:63/251,025 ~32:30/09/2021;33:US ~31:63/277,549 ~32:09/11/2021

2023/11135 ~ Complete ~54:SEALING ASSEMBLY AND METHOD OF USE THEREOF ~71: ~72: DUPUIS, Jeffrey;REESBECK, Thomas;TALLY, William N.~ 33:US ~31:63/184,275 ~32:05/05/2021

2023/11134 ~ Complete ~54:GELLING CITRUS FIBERS AND METHODS OF MANUFACTURE ~71:Biogen MA Inc., 225 Binney Street, CAMBRIDGE 02142, MA, USA, United States of America;C4 Therapeutics, Inc., 490 Arsenal Way, Suite #200, WATERTOWN 02472, MA, USA, United States of America ~72: AHN, Jae Young;ANDERSON, Corey Don;CHENG, Xinpeng;GUCKIAN, Kevin M.;HOPKINS, Brian T.;MARX, Isaac;NEVALAINEN, Marta;O'SHEA, Morgan Welzel;STEFAN, Eric;YAP, Jeremy L.~ 33:US ~31:63/184,439 ~32:05/05/2021

2023/11146 ~ Complete ~54:EFFICIENT FUSION PROCESSING SYSTEM AND METHOD FOR MULTI-SOURCE PAYLOAD DATA ON SATELLITE ~71:SHANGHAI SPACEFLIGHT INSTITUTE OF TT & C AND TELECOMMUNICATION, NO. 1777, ZHONGCHUN ROAD, MINHANG DISTRICT, SHANGHAI 201109, CHINA, People's Republic of China ~72: DENG, Songfeng;DING, Rongli;FENG, Shuyi;MU, Wentao;XIE, Baorong;ZHANG, Man;ZHU, Wentao;ZHU, Xinzhong~ 33:CN ~31:2023103231651 ~32:29/03/2023

2023/11160 ~ Complete ~54:LOCKING DEVICE FOR SEMI TRAILER FIFTH WHEEL ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.21 Bohai Avenue, Caofeidian Area,, Tangshan, Hebei, 063210, People's Republic of China ~72: CUI, Guofa;HUANG, Xiaomin;JI, Hongchao;LI, Wei;WANG, Xinge;WEN, Yanke;YU, Jiang;ZHAO, Zeling~ 33:CN ~31:202211075383. X ~32:02/09/2022

2023/11167 ~ Complete ~54:SENSITIZING COMPOSITION FOR ENERGETIC HYDROGEN PEROXIDE EMULSIONS ~71:HYPEX BIO EXPLOSIVES TECHNOLOGY AB, Mårbackagatan 11, 123 43, Farsta, Sweden ~72: ROBERT HÅKLAND;STEFAN NILSSON;THOMAS GUSTAVSSON~ 33:EP ~31:21172318.4 ~32:05/05/2021

2023/11162 ~ Complete ~54:LIQUID PRESSURE REDUCING VALVE ~71:POLYMER TECHNOLOGIES LIMITED, Wight House, Rue A Don, United Kingdom ~72: TAYLOR, David Brian~

2023/11169 ~ Complete ~54:EAST COAST FEVER ANTIGENIC CONSTRUCTS ~71:UNIVERSITY OF CAPE TOWN, Lovers Walk, Rondebosch, Cape Town, 7700, South Africa ~72: ANNA-LISE WILLIAMSON;EDWARD PETER RYBICKI;LEAH WHITTLE;ROSAMUND EIRA CHAPMAN~ 33:GB ~31:2110876.6 ~32:28/07/2021

2023/11173 ~ Provisional ~54:POWER MODULE CONTROLLER ~71:ANDRE BARNARD, 17 PIETERSE STREET, SOUTHCREST, GAUTENG, South Africa ~72: ANDRE BARNARD ~

2023/11142 ~ Complete ~54:STUTZERIMONAS DEGRADANS SH1 OF CHLORINATED HYDROCARBON DEGRADING BACTERIA AND APPLICATION THEREOF ~71:Shanghai Jiao Tong University, No. 800, Dongchuan Road, Minhang District, Shanghai, 200240, People's Republic of China ~72: YANG, Kaiwen;ZHANG, Lei;ZHANG, Xiaojun~ 33:CN ~31:202211578717.5 ~32:06/12/2022

2023/11148 ~ Complete ~54:EQUIPMENT FOR PYROLYSIS GASIFICATION AND GAS PURIFICATION OF OILY SLUDGE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Hongli;CHEN Honglin;DONG Shanshan;JU Rui;KONG Youfang;LI Hengbin;LIU Lele;PENG Lansi;WANG Xutao;WANG Yiwen;ZHANG Lilin;ZHANG Zhiyuan;ZHOU Hengtao~

2023/11145 ~ Complete ~54:METHOD FOR CULTIVATING AND GROWING IMITATION WILD GANODERMA SICHUANENSE ~71:TIANSHUI NORMAL UNIVERSITY, Jihe South Road, Qinzhou District, Tianshui City, Gansu Province, 741099, People's Republic of China ~72: HE Shuling;MA Lingfa~

2023/11153 ~ Complete ~54:APPARATUS AND METHOD OF RECORDING A STORAGE LOCATION BY SIZE FOR HARVESTED TUBERS ~71:Dalhousie University, 6299 South Street, HALIFAX B3H 4H6, NOVA SCOTIA, CANADA, Canada ~72: AL-MALLAHI, Ahmad;CAMPBELL, Colton;EMWINGHARE, Ighodaro~ 33:US ~31:63/526,527 ~32:13/07/2023

2023/11154 ~ Complete ~54:SOLID FORMS OF A CDK4 INHIBITOR ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: CLARK, Wesley Dewitt;DEAL, Judith Gail;SAMAS, Brian Matthew~ 33:US ~31:63/078,636 ~32:15/09/2020;33:US ~31:63/240,268 ~32:02/09/2021

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2023/11194 ~ Complete ~54:COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR VALIDATING TOKENS FOR BLOCKCHAIN-BASED CRYPTOCURRENCIES ~71:nChain Holdings Limited, Fitzgerald House, 44 Church Street, ST. JOHN'S, ANTIGUA & BARBUDA, Antigua and Barbuda ~72: SAVANAH, Stephane;WRIGHT, Craig Steven~ 33:GB ~31:1606065.9 ~32:11/04/2016

2023/11200 ~ Complete ~54:RADIOTHERAPY APPLICATOR WITH PERPENDICULAR OR ANGLED RADIAL DISPENSING ~71:ALPHA TAU MEDICAL LTD., 5 Kiryat Hamada Street, Jerusalem, Israel ~72: ALDAAG, Oded;DANA, Niv;DEN, Robert, B;GAT, Amnon;KELSON, Itzhak;MAGEN, Ofer;ROA, Yoav~ 33:US ~31:63/216,565 ~32:30/06/2021

2023/11206 ~ Complete ~54:SPRINKLER ~71:NETAFIM LTD, 10 Derech Hashalom, Tel-Aviv, 67892, Israel ~72: IDO BEN HERZEL~ 33:US ~31:63/211,167 ~32:16/06/2021

2023/11176 ~ Provisional ~54:INVENTION OF A STRUCTURALLY INTEGRATED EARLY WARNING INTRUSION MONITORING SYSTEM TO PROTECT ASSETS ~71:Alinda Millard, 12 Honeyguide cres, South Africa ~72: Alinda Millard~

2023/11181 ~ Complete ~54:CAR WASH ~71:Gcwabaza Family Trust, 4 Jones Avenue, Pioneer Park, South Africa ~72: GCWABAZA, Jibha Richman~ 33:ZA ~31:2022/13391 ~32:12/12/2022

2023/11180 ~ Provisional ~54:ENCODING DEVICE ~71:DESMOND LAURENCE SEEKOLA, 70 Leo Ave, South Africa ~72: DESMOND LAURENCE SEEKOLA~

2023/11183 ~ Complete ~54:CALLUS INDUCTION AND PROLIFERATION METHOD FOR ARDISIA MAMILLATA HANCE ~71:Zhejiang Institute of Subtropical Crops, No. 334, Xueshan Road, Wenzhou City, Zhejiang Province, 325005, People's Republic of China ~72: FU, Shuangbin;HE, Jiaqi;QIU, Zhimin;XU, Wan;YANG, Yanping;YING, Zhen;ZHOU, Zhuang~ 33:CN ~31:2023114025249 ~32:26/10/2023

2023/11190 ~ Complete ~54:ASSEMBLY FOR WEAR MONITORING AND PREVENTION OF BUSHINGS AND PINS IN PIVOT CONNECTIONS OF ELECTRIC SHOVEL BUCKETS ~71:MINETEC S.A., Av. Américo Vespucio

2101, Renca, Chile ~72: FLORES MORALES, Edwin Antonio;MORALES MERINO, José Luis;VERA TORRES, Bernardo Luis~ 33:CL ~31:202203482 ~32:07/12/2022

2023/11195 ~ Complete ~54:A SYSTEM FOR, AND A METHOD OF MANAGING STOCK IN AN EATING AND/OR DRINKING ESTABLISHMENT ~71:GenixOp (Pty) Ltd, 11 Lupin Street, Edelweiss, South Africa ~72: GenixOp (Pty) Ltd~

2023/11199 ~ Complete ~54:INTRATUMORAL ALPHA-EMITTER RADIATION IN COMBINATION WITH VASCULATURE INHIBITORS ~71:ALPHA TAU MEDICAL LTD., 5 Kiryat Hamada Street, Jerusalem, Israel ~72: COOKS, Tomer;DEL MARE ROUMANI, Sara;DEN, Robert;DOMANKEVICH, Vered;EFRATI, Margalit;KEISARI, Yona;KELSON, Itzhak;LUZ, Ishai;NISHRI, Yossi;SEGAL, Ronen;SHAI, Amit;VATARESCU, Maayan Hedva~ 33:US ~31:63/212,670 ~32:20/06/2021

2023/11203 ~ Complete ~54:CSP SYSTEM, SENSOR ARRANGEMENT, METHOD AND USE ~71:CAMBRAS GMBH, Gewerbehof 7, Elmenhorst , 18107, Germany ~72: LUKAS KIRSCHT~ 33:EP ~31:21175159.9 ~32:21/05/2021

2023/11211 ~ Complete ~54:GLAZING COMPRISING A FUNCTIONAL COATING AND AN ABSORBING ELEMENT ~71:Saint-Gobain Glass France, Tour Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: CAILLET, Xavier;MARTIN, Estelle;PERRIN, Elsa Marie;WILMET, Maxence~ 33:FR ~31:2106500 ~32:18/06/2021

2023/11205 ~ Complete ~54:HIGHLY PURE PHENTOLAMINE MESYLATE AND METHODS FOR MAKING SAME ~71:OCUPHIRE PHARMA, INC., 37000 Grand River Ave, Suite 120 Farmington Hills, Michigan, 48335, United States of America ~72: DANIELA CARMEN ONICIU~ 33:US ~31:63/189,839 ~32:18/05/2021;33:CN ~31:202110679032.9 ~32:18/06/2021

2023/11207 ~ Complete ~54:AGENTS ENCODING CLDN6 AND CD3 BINDING ELEMENTS FOR TREATING CLDN6-POSITIVE CANCERS ~71:BIONTECH SE, An der Goldgrube 12, 55131, Mainz, Germany ~72: ANUHAR CHATURVEDI;CHRISTIANE STADLER;CLAUDIA LINDEMANN;GÁBOR BOROS;HAYAT BÄHR-MAHMUD;JONAS REINHOLZ;KATALIN KARIKÓ;LEYLA FISCHER;SERGEY BESSONOV;UGUR SAHIN;URSULA ELLINGHAUS~ 33:EP ~31:PCT/EP2021/069869 ~32:15/07/2021

2023/11216 ~ Complete ~54:TREATMENT OF MTRES1 RELATED DISEASES AND DISORDERS ~71:EMPIRICO INC., 4660 La Jolla Village Drive, Suite 100, United States of America ~72: BRUSE, Shannon;BUSKE, Paul;CAJES, Brian;GOTTESMAN, Omri;JAKUBOSKY, David;KLEINSTEIN, Sarah;LEWIS, David;ROZEMA, David;VEKICH, John~ 33:US ~31:63/211,379 ~32:16/06/2021

2023/11184 ~ Complete ~54:PROTECTIVE CASING FOR FIELD DATA ACQUISITION DEVICE ~71:Institute of Water Resources for Pastoral Area, MWR, No. 128, Daxue East Street, Saihan District, Hohhot, Inner Mongolia, 010020, People's Republic of China ~72: DONG, Lei;LIU, Xinyu;TANG, Pengcheng;YANG, Zhenqi;YAO, Zhenyu;ZHANG, Tiegang;ZHAO, Tianqi;ZHENG, Ying~

2023/11201 ~ Complete ~54:ACTIVITY LEVELS FOR DIFFUSING ALPHA-EMITTER RADIATION THERAPY ~71:ALPHA TAU MEDICAL LTD., 5 Kiryat Hamada Street, Jerusalem, Israel ~72: ARAZI, Lior;COOKS, Tomer;DEN, Robert, B;DOMANKEVICH, Vered;DUMANČIĆ, Mirta;GAT, Amnon;HEGER, Guy;KEISARI, Yona;KELSON, Itzhak;LUZ, Ishai;MAGEN, Ofer;VATARESCU, Maayan Hedva~ 33:US ~31:17/343,786 ~32:10/06/2021

2023/11175 ~ Provisional ~54:INVENTION OF AN ADAPTIVE DOOR POSITION SENSOR ~71:Alinda Millard, 12 Honeyguide cres, South Africa ~72: Alinda Millard~

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

2023/11188 ~ Complete ~54:TEST BENCH FOR SNUBBER ~71:MINETEC S.A., Av. Américo Vespucio 2101, Renca, Chile ~72: VERA TORRES, Bernardo Luis;ZAMORANO JONES, Claudio Devon~ 33:CL ~31:202203481 ~32:07/12/2022

2023/11193 ~ Complete ~54:VOLTAGE DRIVEN PASSIVE LED LUMINOUS CABLE ~71:Shanghai Lanhao Jiangsu Electric Co., Ltd., 58 Hengshan Road, Sutong Science and Technology Industrial Park, Nantong City, Jiangsu, 226000, People's Republic of China ~72: LIU, Chunyan~ 33:CN ~31:2023108424881 ~32:10/07/2023

2023/11197 ~ Complete ~54:POWER SUPPLY AND DISTRIBUTION NETWORKS ~71:CAPACTECH LIMITED, 19 Kingsmill Business Park Chapel Mill Road Kingston-Upon-Thames, United Kingdom ~72: HAJILOO, Ashkan Daria;LUCAS-CLEMENTS, Charles;MOGHADAM, Mansour Salehi;O'BRIEN, Gareth;QUENNELL, Dominic~ 33:EP ~31:21178610.8 ~32:09/06/2021;33:EP ~31:21198991.8 ~32:24/09/2021;33:EP ~31:21212633.8 ~32:06/12/2021

2023/11208 ~ Complete ~54:NON-INVASIVE DIAGNOSIS OF SUBCLINICAL REJECTION ~71:CENTRE HOSPITALIER UNIVERSITAIRE DE NANTES, 5 allée de l'Ile Gloriette, 44093, Nantes Cedex 1, France;INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), 101 rue de Tolbiac, 75654, Paris Cedex 13, France;NANTES UNIVERSITÉ, 1 quai de Tourville, 44000, Nantes, France ~72: MAGALI GIRAL;RICHARD DANGER;SOPHIE BROUARD~ 33:EP ~31:21305713.6 ~32:28/05/2021

2023/11212 ~ Complete ~54:PACKAGING UNIT FROM A MOULDED PULP MATERIAL WITH A SELF-ALIGNING ELEMENT AND METHOD FOR MANUFACTURING SUCH PACKAGING UNIT ~71:Huhtamaki Molded Fiber Technology B.V., Poolsterweg 3, LEEUWARDEN NL-8938 AN, THE NETHERLANDS, Netherlands ~72: DE HAAN, Roelof;KLOOSTERMAN, Hendrik Freerk;VAN DER MEIJ, Jelmer Gerhard Jan~ 33:NL ~31:2028445 ~32:14/06/2021;33:NL ~31:2029392 ~32:13/10/2021

2023/11177 ~ Provisional ~54:INVENTION OF A MODULAR SYSTEM FOR REPAIRING DAMAGED EQUIPMENT SHELTERS_CABINETS_ENCLOSURES ~71:Alinda Millard, 12 Honeyguide cres, South Africa ~72: Alinda Millard~

2023/11187 ~ Complete ~54:CABLE CONTAINING LED LIGHT STRIP DRIVEN BY INDUCED CURRENT ~71:Shanghai Lanhao Jiangsu Electric Co., Ltd., 58 Hengshan Road, Sutong Science and Technology Industrial Park, Nantong City, Jiangsu, 226000, People's Republic of China ~72: ZONG, Lei~ 33:CN ~31:2023108430740 ~32:10/07/2023

2023/11191 ~ Complete ~54:TOWING APPARATUS ~71:KINITO SA (PTY) LTD, 24 Meadow Street, South Africa ~72: VISSER, Riaan Jacobus~ 33:ZA ~31:2022/13182 ~32:06/12/2022

2023/11196 ~ Complete ~54:TEMPORARY SAFETY NET SUPPORT STRUCTURE ~71:Timrite (Pty) Ltd, 10 Van der Bijl Street, South Africa ~72: HOWELL, Mark;PIENAAR, Frans Roelof Petrus~ 33:ZA ~31:2022/10325 ~32:19/09/2022

2023/11198 ~ Complete ~54:INTRATUMORAL ALPHA-EMITTER RADIATION IN COMBINATION WITH IMMUNE CHECKPOINT REGULATORS ~71:ALPHA TAU MEDICAL LTD., 5 Kiryat Hamada Street, Jerusalem, Israel ~72: DEL MARE ROUMANI, Sara;DEN, Robert;DOMANKEVICH, Vered;EFRATI, Margalit;KEISARI,

Yona;KELSON, Itzhak;MANSOUR, Fairuz;NISHRI, Yossi;SEGAL, Ronen;SHAI, Amit~ 33:US ~31:63/212,671 ~32:20/06/2021

2023/11204 ~ Complete ~54:FLUORINATED TRYPTAMINE COMPOUNDS, ANALOGUES THEREOF, AND METHODS USING SAME ~71:COMPASS PATHFINDER LTD., 3rd Floor, 1 Ashley Road, Altrincham Cheshire, WA14 2DT, United Kingdom;SAINT JOSEPH'S UNIVERSITY, 5600 City Avenue, Philadelphia, Pennsylvania, 19131, United States of America ~72: JASON WALLACH;MICHAEL DYBEK~ 33:US ~31:63/195,943 ~32:02/06/2021;33:US ~31:63/288,313 ~32:10/12/2021

2023/11210 ~ Complete ~54:METHODS OF TREATING BREAST CANCER ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: FIELDING, Anitra~ 33:US ~31:63/195,795 ~32:02/06/2021

2023/11214 ~ Complete ~54:METHOD TO REDUCE DOUBLE STRANDED RNA BY-PRODUCT FORMATION ~71:ETHERNA IMMUNOTHERAPIES NV, Galileilaan 19, Belgium ~72: BAUER, Lubos;CHALLIS, Phillip~ 33:EP ~31:21175889.1 ~32:26/05/2021

2023/11215 ~ Complete ~54:TREATMENT OF MST1 RELATED DISEASES AND DISORDERS ~71:EMPIRICO INC., 4660 La Jolla Village Drive, Suite 100, United States of America ~72: BRUSE, Shannon;BUSKE, Paul;CAJES, Brian;GOTTESMAN, Omri;JAKUBOSKY, David;KLEINSTEIN, Sarah;LEWIS, David;ROZEMA, David;VEKICH, John~ 33:US ~31:63/211,364 ~32:16/06/2021

2023/11182 ~ Complete ~54:MINIMALLY INVASIVE DENTAL ELEVATOR FOR EXTRACTING LOWER IMPACTED WISDOM TEETH ~71:Peking University School of Stomatology, No. 22, Zhongguancun South Street, Beijing, 100081, People's Republic of China ~72: DENG, Xuliang;HE, Ying;XU, Mingming;ZHANG, Xuehui~ 33:CN ~31:2023114736359 ~32:07/11/2023

2023/11186 ~ Complete ~54:A SEALING SYSTEM ~71:WEKABA ENGINEERING (PTY) LTD, 168 BOSWORTH STREET, ALRODE SOUTH, South Africa ~72: BEKKER, Adrian Robert;VILJOEN, Stefan Du Toit~ 33:ZA ~31:202211421 ~32:19/10/2022

2023/11189 ~ Complete ~54:SEED COATING AGENT COMPOSITION ~71:Inner Mongolia Academy of Agricultural & Animal Husbandry Sciences, No. 22 Zhaojun Road, Yuquan District, Hohhot City, Inner Mongolia Autonomous Region, 010030, People's Republic of China ~72: E Yuanyuan;Fu Zengjuan;Han Ping'an;Li Xiaodong;Sun Mengyuan;Suo Ningning;Wang Liang;Zhang Bizhou;Zhang Hui;Zhang Huizhong;Zhang Ziqiang;Zhao Shangmin;Zheng Wenzhe~ 33:CN ~31:202311483415.4 ~32:09/11/2023

2023/11192 ~ Complete ~54:LINER SYSTEM ~71:Huyser Industries (Pty) Ltd, Level 7, Sami.G Office Square, Meadowdale,, South Africa ~72: HUYSER, Heinrich Wilhelmus;PRETORIUS, Nelius~

2023/11209 ~ Complete ~54:CONTINUOUS STRETCH BLOW MOULDING SYSTEM APPLIED TO SPECIFIED INTEGRAL HANDLE PET PREFORM AND CONTAINER STRUCTURES ~71:INTEGRATED PLASTICS PTY LIMITED, 12 Birmingham Avenue, Villawood, Sydney, New South Wales, 2163, Australia ~72: NICK MELLEN~ 33:AU ~31:2021901404 ~32:12/05/2021;33:AU ~31:2021901405 ~32:12/05/2021;33:AU ~31:2021901414 ~32:12/05/2021;33:AU ~31:2021903599 ~32:10/11/2021;33:AU ~31:PCT/AU2022/050280 ~32:28/03/2022

2023/11213 ~ Complete ~54:METHODS FOR STORING MRNA COMPOSITIONS ~71:ETHERNA IMMUNOTHERAPIES NV, Galileilaan 19, Belgium ~72: BAUER, Lubos;CHALLIS, Phillip~ 33:EP ~31:21175871.9 ~32:26/05/2021

2023/11133 ~ Complete ~54:PALATABLE VETERINARY COMPOSITIONS ~71: ~72: GALESKA, Isabela Ewa;MARTIN, Sharon Cruz~ 33:EP ~31:21181879.4 ~32:25/06/2021

2023/11179 ~ Provisional ~54:HERITAGE TAG ~71:Desmond Laurence Seekola, 70 Leo Ave, South Africa ~72: Desmond Laurence Seekola~

2023/11185 ~ Complete ~54:MACHINE-MADE SAND REACTIVE POWDER CONCRETE ~71:Jilin Jianzhu University, No. 5088, Xincheng Street, Changchun City, Jilin Province, People's Republic of China ~72: CUI Jinyu;JIANG Hao;QIAO LI;WANG Jiangtao;WANG Jing;ZHANG Yunlong~ 33:CN ~31:202311504468X ~32:13/11/2023

2023/11202 ~ Complete ~54:SULFOXIMINE-CONTAINING ATR INHIBITOR COMPOUND ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No.369 Yuzhou South Rd., People's Republic of China ~72: CHEN, Shaowei;GAI, Kuo;LIU, Baomin;SHI, Wei;ZHANG, Yinsheng;ZHU, Yan~ 33:CN ~31:202110517129.X ~32:12/05/2021

. - APPLIED ON 2023/12/06 -

2023/11236 ~ Complete ~54:DEMOULDING FIXTURE FOR RUBBER CUP ~71:ANHUI YAXINKE SEALING TECHNOLOGY CO., LTD, Bali Road, Heli Park, Ningguo Economic And Technological Development Zone, Xuancheng, Anhui, 242300, People's Republic of China ~72: ZHOU, Yao~ 33:CN ~31:2022107440774 ~32:27/06/2022

2023/11248 ~ Complete ~54:COMPOSITION COMPRISING N,N-DICARBOXYMETHYLGLUTAMIC ACID, AT LEAST ONE FATTY ALCOHOL, AT LEAST ONE FATTY ACID, AT LEAST ONE POLYOL, AT LEAST ONE ALKALINE AGENT AND OPTIONALLY AT LEAST ONE DYE ~71:L'OREAL, 14, rue Royale, France ~72: AGACH, Mickaël;BOULEMNAKHER, Sarah;BRUYERE, Julie;MOUEDDENE, Hanène~ 33:FR ~31:2107101 ~32:30/06/2021

2023/11257 ~ Complete ~54:CEMENT PLASTIC MIXTURE ~71:TERRATICO, J.S.A., Poštová 3049/1 010 08, Slovakia ~72: NAGY, Ottó;NAGY, Ottó~ 33:SK ~31:PP 42-2021 ~32:07/06/2021;33:SK ~31:PUV 81-2021 ~32:07/06/2021

2023/11223 ~ Complete ~54:A GRAPE FALLING DETECTION DEVICE AND DETECTION METHOD THEREOF ~71:Institute of Horticultural Crops, Xinjiang Academy of Agricultural Sciences, No.403 Nanchang Road, Shayibake District, Urumqi, Xinjiang Uygur Autonomous Region, 830091, People's Republic of China ~72: Chuan Zhang;Fuchun Zhang;Haixia Zhong;Min Wang;Shouan Han;VIVEK YADAV;Wen Zhang;Xiaoming Zhou;Xinyu Wu~

2023/11233 ~ Complete ~54:MONITORING DEVICE CONVENIENT FOR DISASSEMBLY AND ASSEMBLY FOR CONTROL ENGINEERING ~71:Zhang Mengwen, No. 8 Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Chen Tianjiao;Zhang Mengwen~

2023/11245 ~ Complete ~54:COMPOSITION COMPRISING AT LEAST ONE ALKYL (POLY)GLYCOSIDE, AT LEAST ONE FATTY ALCOHOL, AT LEAST ONE FATTY ACID, AND AT LEAST ONE ALKALINE AGENT ~71:L'OREAL, 14, rue Royale, France ~72: BOULEMNAKHER, Sarah;GIAFFERI, Marie~ 33:FR ~31:2107109 ~32:30/06/2021

2023/11252 ~ Complete ~54:METHOD FOR PREPARING AN [18F] RADIOLABELLED COMPOUND WITH LOW WATER CONTENT DURING LABELLING STEP ~71:GE Healthcare Limited, Pollards Wood, Nightingales Lane, Chalfont St. Giles, BUCKINGHAMSHIRE HP8 4SP, UNITED KINGDOM, United Kingdom ~72: CLARKE,

Alan;ENGELL, Torgrim;GRIGG, Julian;JACKSON, Alexander;KHAN, Imtiaz Ahmed;MCROBBIE, Graeme;SHALES, Jonathan;WIKENE, Kristine~ 33:GB ~31:2108605.3 ~32:16/06/2021

2023/11219 ~ Complete ~54:DEMOUNTABLE BUILDING AND METHOD FOR CONSTRUCTING SAME ~71:China Architecture Design & Research Group Co., Ltd, 19th, Chegongzhuang Road, Xicheng District, Beijing, 100044, People's Republic of China ~72: Boyuan DONG;Chuanshan REN;Lingyun WANG;Minhua PAN;Tian ZHAO;Tianyu WU;Xiangdong KANG;Yu BAI;Zhiwen TANG~ 33:CN ~31:202310468216.X ~32:27/04/2023

2023/11220 ~ Complete ~54:VASCULAR SURGERY HEMOSTASIS DEVICE ~71:Quzhou People’s Hospital, No. 100, Minjiang Street, Kecheng Dist., Quzhou, Zhejiang, People's Republic of China ~72: Guobing Cheng;Mengmeng Zhou;Wei Lu;Xiaoyang Li;Youyao Xu~

2023/11243 ~ Complete ~54:METHOD AND UE FOR ACCESSING SLICE-SPECIFIC RACH RESOURCES POOL ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: TOMALA, Malgorzata;WON, Sung Hwan~ 33:EP ~31:21173021.3 ~32:10/05/2021

2023/11229 ~ Complete ~54:VIDEO CODING METHOD ON BASIS OF SECONDARY TRANSFORM, AND DEVICE FOR SAME ~71:LG ELECTRONICS INC., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: JAEHYUN LIM;MOONMO KOO;SEUNGHWAN KIM~ 33:US ~31:62/782,294 ~32:19/12/2018

2023/11238 ~ Complete ~54:ARTIFICIAL INTELLIGENCE BASED COGNITIVE TEST SCRIPT GENERATION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: ABEDIN, Mainul;GUSTAFSSON, Harald;OLETI, Manoj;TAHVILI, Sahar~ 33:IN ~31:202111021945 ~32:15/05/2021

2023/11226 ~ Complete ~54:A NORTHERN GRAPE ‘DOUBLE PLANT DOUBLE V’ CULTIVATION FRAME ~71:Institute of Horticultural Crops, Xinjiang Academy of Agricultural Sciences, No.403 Nanchang Road, Shayibake District, Urumqi, Xinjiang Uygur Autonomous Region, 830091, People's Republic of China ~72: Fuchun Zhang;Haixia Zhong;Min Wang;Shouan Han;Songlin Zhang;Wen Zhang;Xiaoming Zhou;Xinyu Wu~

2023/11231 ~ Complete ~54:72.5KV OFFSHORE WIND POWER-DEDICATED RING MAIN UNIT ~71:ZHEJIANG JUHONKIA ELECTRIC CO., LTD., No.269, Xuexi South Road, Gaohong Town, Lin’an District, Hangzhou, Zhejiang, 311307, People's Republic of China ~72: CHENFENG QIAN;CHENG WANG;GANG WANG;JIANGSHUAI PAN;QIYANG SHUAI;YUANBIN WANG~

2023/11217 ~ Provisional ~54:PROCESS FOR THE RECOVERY OF FINE ORE ~71:BLOEMHOF, Claudia, 15 SYRINGA STREET, HEUWELKRUIN, KNYSNA, 6570, SOUTH AFRICA, South Africa;WILLIAMS, Desmond, Richard, PORTION 47 45 OF 142 I/Q DEELKRAAL, CARLETONVILLE, SOUTH AFRICA, South Africa ~72: WILLIAMS, Desmond, Richard~

2023/11240 ~ Complete ~54:USER EQUIPMENT, SCHEDULING NODE, METHOD FOR USER EQUIPMENT, AND METHOD FOR SCHEDULING NODE ~71:PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, 2050 W 190TH STREET SUITE 450, TORRANCE, CA 90504, USA, United States of America ~72: LI, Hongchao;SUZUKI, Hidetoshi~ 33:EP ~31:21173426.4 ~32:11/05/2021

2023/11256 ~ Complete ~54:A METHOD FOR PREPARING BAMBOO FLAVOR BLACK TEA ~71:Qimen Anhui Keemun Black Tea Co., Ltd., Huayang Industrial Park, Qimen County, Huangshan City, Anhui Province, 245600, People's Republic of China ~72: Chuangbin Feng;Fangming Zhu;Guofu Lu~

2023/11244 ~ Complete ~54:LOW GLOBAL WARMING REFRIGERANT BLENDS ~71:RPL HOLDINGS LTD, 8 Murieston Road, United Kingdom ~72: POOLE, John Edward;POWELL, Richard Llewellyn~ 33:GB ~31:2108077.5 ~32:06/06/2021

2023/11253 ~ Complete ~54:APOE AND APOB MODIFIED LIPID NANOPARTICLE COMPOSITIONS AND USES THEREOF ~71:Generation Bio Co., 301 Binney Street, 4th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: CHATTERTON, Jon Edward;DELANEY, Ryan M.;FEINSTEIN, Gregory;LEBLANC, Michelle;MANGANIELLO, Matthew;NOLTING, Birte;ROSE, Douglas A.;SAMAYOA, Phillip;SILVER, Nathaniel;TOY, Randall Newton~ 33:US ~31:63/197,881 ~32:07/06/2021

2023/11239 ~ Complete ~54:METHODS, NETWORK NODE, WIRELESS DEVICE, MEDIA FOR TBS INDEX RANGE INTERPRETATION FOR 16-QAM IN DIFFERENT DEPLOYMENT MODES ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: CHEN, Jie;MEDINA ACOSTA, Gerardo, Agni;ZHANG, Liping~ 33:CN ~31:PCT/CN2021/092992 ~32:11/05/2021

2023/11250 ~ Complete ~54:PROCESS FOR CONVERTING SYNTHESIS GAS TO HIGHER ALCOHOLS ~71:MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V., Hofgartenstrasse 8, 80539, München, Germany;STUDIENGESELLSCHAFT KOHLE GGMBH, Kaiser-Wilhelm-Platz 1, 45470, Mülheim, Germany ~72: ANDREAS JOHANNES VORHOLT;GONZALO PRIETO;KAI JESKE;MAURICE BELLEFLAMME;THORSTEN RÖSLER;WALTER LEITNER~ 33:EP ~31:21183582.2 ~32:03/07/2021

2023/11249 ~ Complete ~54:PEPTIDES DERIVED FROM RUMINOCOCCUS TORQUES ~71:UNIVERSITY OF COPENHAGEN, Nørregade 10, 1165, Copenhagen K, Denmark ~72: OLUF PEDERSEN;YONG FAN~ 33:EP ~31:21177546.5 ~32:03/06/2021;33:EP ~31:22153678.2 ~32:27/01/2022;33:EP ~31:22153847.3 ~32:28/01/2022

2023/11227 ~ Complete ~54:BLOWER DEVICE ~71:RAUTENBACH, James Jackson, 89 Ridder Street, Rustenburg, South Africa ~72: RAUTENBACH, James Jackson~ 33:ZA ~31:2022/10544 ~32:23/09/2022

2023/11232 ~ Complete ~54:AN DEVICE AND METHOD FOR EXCAVATING HETEROGENEOUS GROUND SUBSTRATE ~71:China Geological Survey Natural Resources Comprehensive Survey Command Center, 55 Honglian South Road, Xicheng District, Beijing, 100055, People's Republic of China ~72: He Zekang;Huang Guorui;Jin Aifang;Lu Qingyuan;Pang Jumei;Peng Ling;Shao Hai;Wan Liqin;Xing Bo;Yin Zhiqiang~ 33:CN ~31:202311150074.9 ~32:07/09/2023

2023/11224 ~ Complete ~54:WATER-SAVING AND FERTILIZER-SAVING SAND CULTURE CULTIVATION SYSTEM FOR GOBI DESERT AND SALINE-ALKALI LAND ~71:SHANDONG BAIYU AGRICULTURAL SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD, AGRICULTURAL SCIENCE PARK, BEIYUANTUAN VILLAGE, People's Republic of China ~72: LI, Zhihong;YUAN, Qiang;YUAN, Shengbo~

2023/11228 ~ Complete ~54:ASSESSMENT METHOD FOR TUNNEL CONSTRUCTION SAFETY RISKS ~71:EAST CHINA UNIVERSITY OF TECHNOLOGY, NO. 56, XUEFU ROAD, LINCHUAN DISTRICT, People's Republic of China;JIANGXI GEO-ENGINEERING GROUP CORPORATION LIMITED, NO. 176, ZHANQIAN ROAD, People's Republic of China ~72: HE, Ru;HU, Deyu;HUANG, Chuansheng;HUANG, Lei;JIANG, Lie;LI, Guang;LIU, Huo;XU, Hao;YANG, Xin;YI, Zhidong~

2023/11235 ~ Complete ~54:ENERGY STORAGE APPARATUS AND ELECTRIC DEVICE ~71:SHENZHEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD., Room 501, No. 2 R&D Building, Sanyiyundu, No. 6, Lanqing Second Road, Luhu Community, Guanhu Street, Longhua District, Shenzhen, People's Republic of China;XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD., 201-1, Comprehensive Building 5, No.

11, Butang Middle Road, Industrial Base of Xiamen Torch High Tech Zone (Tongxiang), Xiamen, People's Republic of China ~72: CHEN, Jinqiang;XIONG, Yongfeng;XU, Weidong~ 33:CN ~31:202310091049.1 ~32:09/02/2023

2023/11246 ~ Complete ~54:METHOD FOR PREPARING N-(3-CHLORO-4-(2-PYRIDYLMETHOXY)PHENYL)-2-CYANOAC ETAMIDE ~71:ANQING LANGKUN PHARMACEUTICAL CO., LTD, Room 301, No.8 Shengke Park, Huangguan Road, High-tech Zone,, Anqing, Anhui, 246000, People's Republic of China ~72: KE, Shangfeng;LIN, Li;LU, Fei;RAO, Jingwei;SHEN, Yanyang;YUE, Yongli~ 33:CN ~31:202210251646.1 ~32:15/03/2022

2023/11254 ~ Complete ~54:USE OF AN ANTI-CD19 ANTIBODY TO TREAT MYASTHENIA GRAVIS ~71:Viela Bio, Inc., One MedImmune Way, First Floor, Area Two, GAITHERSBURG 20878, MD, USA, United States of America ~72: ABUHSIRA, Liron;KATZ, Eliezer;RATCHFORD, John N.~ 33:US ~31:63/185,613 ~32:07/05/2021;33:US ~31:63/303,655 ~32:27/01/2022

2023/11225 ~ Complete ~54:ANTIBACTERIAL TOOTHPASTE CONTAINING ILEX LATIFOLIA THUNB EXTRACT ~71:Hainan Tropical Ocean University, No.1 Yucai Road, Jiyang District, Sanya City, Hainan Province, People's Republic of China ~72: YU Shuchi~

2023/11230 ~ Complete ~54:VIDEO CODING METHOD ON BASIS OF SECONDARY TRANSFORM, AND DEVICE FOR SAME ~71:LG ELECTRONICS INC., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: JAEHYUN LIM;MOONMO KOO;SEUNGHWAN KIM~ 33:US ~31:62/782,294 ~32:19/12/2018

2023/11237 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING 1-(3-CYANO-1-ISOPROPYL-INDOL-5-YL)PYRAZOLE-4-CARBOXYLIC ACID ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: GWAK, Heemin;KIM, Junyu;KIM, Min Hee;LEE, Jieun;MIN, Ji Young;MUNE, June Sik;SEO, Jung Youn;SHIN, Seong Hye~ 33:KR ~31:10-2021-0077709 ~32:15/06/2021

2023/11241 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING 1-(3-CYANO-1-ISOPROPYL-INDOL-5-YL)PYRAZOLE-4-CARBOXYLIC ACID ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: GWAK, Heemin;KIM, Junyu;KIM, Min Hee;LEE, Jieun;MIN, Ji Young;MUNE, June Sik;SEO, Jung Youn;SHIN, Seong Hye~ 33:KR ~31:10-2021-0077709 ~32:15/06/2021

2023/11247 ~ Complete ~54:COSMETIC COMPOSITION COMPRISING AT LEAST ONE ALKYL (POLY)GLYCOSIDE, N,NDICARBOXYMETHYLGLUTAMIC ACID, PROPANE-1,3-DIOL, AT LEAST ONE FATTY SUBSTANCE OTHER THAN FATTY ACIDS, AT LEAST ONE DYE ~71:L'OREAL, 14, rue Royale, France ~72: AGACH, Mickaël;BOULEMNAKHER, Sarah;BRUYERE, Julie;GIAFFERI, Marie;MOUEDDENE, Hanène~ 33:FR ~31:2107100 ~32:30/06/2021

2023/11255 ~ Complete ~54:CYCLIC COMPOUND HAVING INHIBITORY EFFECT SELECTIVE FOR KRAS BUT NOT FOR 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 ~31:2021-079012 ~32:07/05/2021

2023/11221 ~ Complete ~54:METHOD AND SYSTEM FOR GENERATING HIGH-SPEED RANDOM NUMBERS BASED ON CHAOTIC OPTICAL FREQUENCY COMB ~71:Southwest University, 2 Tiansheng Road, Beibei District, Chongqing City, People's Republic of China ~72: HU Yuqi;TANG Xi;WANG Yongbo;WU Jiagui;WU Zhengmao;XIA Guangqiong~ 33:CN ~31:2023105389570 ~32:12/05/2023

2023/11234 ~ Complete ~54:POLISHING FIXTURE FOR METALLOGRAPHIC EXAMINATION ~71:Zhengzhou Research Institute of Mechanical Engineering Co., Ltd., No. 149, Science Avenue, High-tech Industrial Development Zone, Zhengzhou, Henan Province, 450000, People's Republic of China ~72: Dou Xiaopeng;Guan Rongxin;Lv Pangong;Ma Chengtian;Wang Dongfei;Wang Huadong~

2023/11218 ~ Provisional ~54:SAIL ~71:HARRIS, Eric John, 68 Marlin Drive, Chintsa East, South Africa ~72: HARRIS, Eric John~

2023/11222 ~ Complete ~54:GATE AUTOMATION ~71:BOUWER, Gert Johannes, Plot 81 Shere AH, Lynnwood Road, South Africa ~72: BOUWER, Gert Johannes~ 33:ZA ~31:2022/11903 ~32:02/11/2022

2023/11251 ~ Complete ~54:ARTIFICIAL PENIS FOR FEMALE GENITAL ORGAN ~71:GENOUD, Derek, Rue de la Lessière 12 B, ARBAZ 1974, SWITZERLAND, Switzerland ~72: GENOUD, Derek~ 33:FR ~31:2106080 ~32:09/06/2021

2023/11242 ~ Complete ~54:SUPEROXIDE DISMUTASE 1 VARIANT AND METHOD FOR PRODUCING GLUTATHIONE OR DERIVATIVE THEREOF, USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: HA, Cheol Woong;IM, Yeong Eun;KIM, Yeonsoo;YANG, Eun Bin~ 33:KR ~31:10-2021-0075689 ~32:10/06/2021

. - APPLIED ON 2023/12/07 -

2023/11268 ~ Complete ~54:A DEEP LEARNING PROCESSING METHOD OF GROUND PENETRATING RADAR SIGNAL FOR SUPPRESSING STRONG CLUTTER REFLECTED FROM SLEEPERS ~71:Central South University, No.932 South Lushan Road, Changsha, Hunan, 410083, People's Republic of China ~72: Bochen WANG;Jianping XIAO;Zhenwei GUO;Zhihang LIU~ 33:CN ~31:2023101097450 ~32:14/02/2023

2023/11277 ~ Complete ~54:ESTIMATION METHOD FOR VEGETATION WATER CONSUMPTION FOR ECOLOGICAL RESEARCH ~71:INNER MONGOLIA ACADEMY OF FORESTRY SCIENCE, NO. 288, XINJIAN EAST STREET, People's Republic of China ~72: GAO, Xiaowei;HAI, Long;HAN, Mingliang;HONG, Guangyu;LI, Zhuofan;LI, Zihao;TIAN, Feng;WANG, Liying;WANG, Xiaojiang;ZHANG, Lei~

2023/11283 ~ Complete ~54:ISARIDIN CYCLIC LIPOPEPTIDE DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:SUN YAT-SEN UNIVERSITY, No. 135, Xingang West Road, Haizhu District Guangzhou, People's Republic of China ~72: CHEN, Senhua;JIANG, Minghua;LIU, Lan~ 33:CN ~31:202210019737.2 ~32:10/01/2022

2023/11291 ~ Complete ~54:EGFR INHIBITOR FOR THE TREATMENT OF HEAD AND NECK CANCER ~71:NATCO PHARMA LIMITED, Natco House, Road No.2, India ~72: GOGULA, Venkata Ramana;MYNENI, Praveen Chowdary;NANNAPANENI, Venkaiah Chowdary;YADLA, Sheshu Babu~ 33:GB ~31:2108300.1 ~32:10/06/2021;33:GB ~31:2108302.7 ~32:10/06/2021

2023/11299 ~ Complete ~54:REFERENCE SIGNALING DESIGN AND CONFIGURATION ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: BO GAO;MINQIANG ZOU;SHUJUAN ZHANG;ZHAOHUA LU~

2023/11303 ~ Provisional ~54:MJA-SLIDING AND GIDING BYCICLE CRANK-KIT ~71:MARTINS PETRUS BOTHA, 74 C MARIAN HILL RD, ASHLEY, PINETOWN, South Africa ~72: MARTINS PETRUS BOTHA~

2023/11276 ~ Complete ~54:RETAINING DEVICE FOR MEDICAL TUBING ~71:PEAKO MEDICAL (PTY) LTD, 19 Culemborg Crescent, Die Boord, South Africa ~72: CURRAN, Lindsay John;O'HARE, James Michael~ 33:ZA ~31:2022/13283 ~32:08/12/2022

2023/11292 ~ Complete ~54:KCNV2 VARIANTS AND THEIR USE ~71:ARTEMA THERAPEUTICS, INC., 195 Montague STM FL 14 Brooklyn, United States of America ~72: CARVALHO, Dr. Livia;HUNT, David;RASHWAN, Rabab;SULTANOV, Shamil;SULTANOVA, Maria;VOLCHKOV, Pavel Y.~ 33:US ~31:63/191,106 ~32:20/05/2021

2023/11262 ~ Provisional ~54:BACTERIOPHAGE T7 ENDONUCLEASE I ~71:COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, Meiring Naudé Road, South Africa ~72: MORALO, Maabo;PILLAY, Priyen;TSEKOA, Tsepo~

2023/11270 ~ Complete ~54:NOZZLE STRUCTURE FOR 3D PRINTING ~71:Anhui Qunling Dongfang 3D Technology Co., Ltd, Zhongke Chungu Laser Industrial Park, Fanchang Economic Development Zone, Wuhu City, Anhui Province, 241000, People's Republic of China;Tongling University, No. 1335, Fourth Cuihu Road, Tongling, Anhui Province, 244061, People's Republic of China ~72: CHEN, Wenchao;HE, Furong;LI, Siwen;LI, Zansong;WANG, Dongsheng~ 33:CN ~31:2023114180723 ~32:30/10/2023

2023/11272 ~ Complete ~54:STRUCTURAL SLIDING BEARING AND STRUCTURAL BEARING SYSTEM ~71:Maurer Engineering GmbH, Frankfurter Ring 193, MÜNCHEN 80807, GERMANY, Germany ~72: BRAUN, Christian~ 33:DE ~31:10 2020 201 078.1 ~32:29/01/2020

2023/11279 ~ Complete ~54:RETRACTABLE APPARATUS ~71:SHIH YU AUTO PARTS CO., LTD., No. 129, Lane 523, Sec. 3, Chung Cheng Rd., Jen Te Dist., Tainan City, 717017, Taiwan, Province of China ~72: MING-LIANG HU~ 33:TW ~31:111147391 ~32:09/12/2022

2023/11286 ~ Complete ~54:METHODS OF TREATING ALZHEIMER'S DISEASE ~71:ATHIRA PHARMA, INC., 18706 Northcreek Parkway, Suite 104, United States of America ~72: CHURCH, Kevin;HUA, Xue;KAWAS, Leen;MOEBIUS, Hans J.;WALKER, William~ 33:US ~31:PCT/US2021/042071 ~32:16/07/2021

2023/11287 ~ Complete ~54:IMMUNOGENIC COMPOSITION ~71:GRIFFITH UNIVERSITY, 170 Kessels Road, Australia ~72: AL-NAZAL, Hanan;GOOD, Michael;STANISIC, Danielle~ 33:AU ~31:2021901392 ~32:11/05/2021

2023/11271 ~ Complete ~54:A METHOD FOR SOLVING ELECTROMAGNETIC RESPONSE OF GEO-ELECTRIC MODEL BY USING PHYSICS INFORMED NEURAL NETWORK ~71:Central South University, No.932 South Lushan Road, Changsha, Hunan, 410083, People's Republic of China ~72: Bochen WANG;Dawei GAO;Jianxin LIU;Xinpeng PAN;Zhenwei GUO~ 33:CN ~31:2023113856423 ~32:25/10/2023

2023/11288 ~ Complete ~54:CRYSTALLINE ABDNAZ COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME ~71:EpicentRx, Inc., 11099 North Torrey Pines Rd, Suite 160, LA JOLLA 92037, CA, USA, United States of America ~72: KANTER, James;LARSON, Christopher;ORONSKY, Bryan T.;REID, Tony R.~ 33:US ~31:63/208,631 ~32:09/06/2021

2023/11269 ~ Complete ~54:MATERIAL SUPPLY DEVICE FOR 3D PRINTING ~71:Anhui Zhongke Chungu Laser Industry Technology Research Institute Co., Ltd, Zhongke Chungu Laser Industrial Park, Fanchang Economic Development Zone, Wuhu City, Anhui Province, 241000, People's Republic of China;Tongling University, No. 1335, Fourth Cuihu Road, Tongling, Anhui Province, 244061, People's Republic of China ~72: CHEN, Wenchao;GAO, Xuesong;LI, Zansong;PENG, Feng;WANG, Dongsheng~ 33:CN ~31:2023113877472 ~32:25/10/2023

2023/11278 ~ Complete ~54:EXPRESSION OF NOVEL CELL TAGS ~71:PRECIGEN, INC., 20358 Seneca Meadows Parkway, Germantown, Maryland, 20876, United States of America ~72: PETER EMTAGE;RAMYA YARLAGADDA;RUTUL SHAH~ 33:US ~31:62/516,639 ~32:07/06/2017

2023/11297 ~ Complete ~54:APPARATUSES FOR FACILITATING MANAGING CULTIVATION OF CROPS BASED ON MONITORING THE CROPS ~71:AUGMENTA AGRICULTURE TECHNOLOGIES SMPC, Irakliou 40, Metamorfosi, Neas Ionias, 14451, Greece ~72: AIKATERINI KARAKOULA;ALEXANDROS-EMMANOUIL NIKOLAKAKIS;EFSTATHIOS ANTONIOU;GEORGIOS VARVARELIS~ 33:US ~31:63/190,622 ~32:19/05/2021

2023/11290 ~ Complete ~54:METHOD AND PLANT FOR HYDROGEN LIQUEFACTION ~71:ENGIE, 1 Place Samuel de Champlain, COURBEVOIE 92400, FRANCE, France ~72: CHABERNAUD, Pierre;DURI, Davide;FILALI, Hamza;JALIA, Florian;LINOTTE, Rémi;PENIN, Loïc~ 33:FR ~31:2105720 ~32:31/05/2021

2023/11266 ~ Complete ~54:A METHOD FOR REMOVING IMPURITIES AND EXTRACTING MANGANESE AND EXTRACTING IRON BY MANGANESE WASTE RESIDUE REDUCTION ROASTING ~71:Jianxiang CHEN, Yuexing Village, Hekou Town, Xiangtan County, Xiangtan City, Hunan Province, 411200, People's Republic of China ~72: Jianxiang CHEN~

2023/11264 ~ Complete ~54:MUNICIPAL SLUDGE OXYGEN-ENRICHED SELF-PYROLYSIS DRYING ROTARY KILN AND RESOURCE UTILIZATION AND DISPOSAL METHOD ~71:Jianxiang CHEN, Yuexing Village,Hekou Town, Xiangtan County, Xiangtan City, Hunan Province, 411200, People's Republic of China;Jun FU, Sino-Japanese Environmental Protection Center, No.1 Yuhui South Road, Chaoyang District, Beijing, 100000, People's Republic of China ~72: Jianxiang CHEN~ 33:CN ~31:2023105576030 ~32:17/05/2023

2023/11352 ~ Complete ~54:GLASS MANUFACTURING ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: PHILLIP J RAUSCH;RANDY ERNSTHAUSEN;ROGER P SMITH;SCOTT WEIL;SHANE T RASHLEY;THOMAS G GREEN;ZHONGMING WANG~ 33:US ~31:17/061,302 ~32:01/10/2020

2023/11267 ~ Complete ~54:ANTI-INFLAMMATORY TOOTHPASTE CAPABLE OF INHIBITING ORAL INFLAMMATION ~71:Hainan Tropical Ocean University, No.1 Yucai Road, Jiyang District, Sanya City, Hainan Province, People's Republic of China ~72: YU Shuchi~

2023/11275 ~ Complete ~54:A SENSOR POSITIONING APPARATUS ~71:AFRICAN NEW ENERGIES LIMITED, Villa Florita, East Road, St George’s Hill, United Kingdom ~72: AIMEN, Habib;KHAN, Saad Saleem;LARKIN, Stephen;OMAR, Muhammad;RAW, Brendon;SIDDIQUE, Husnain;TAHA, Muhammad;USMAN, Muhammad;ZAINAB, Chaudhry~

2023/11296 ~ Complete ~54:AGENTS AND METHODS FOR ACTIVATION AND TARGETING OF IMMUNE EFFECTOR CELLS ~71:BIONTECH CELL & GENE THERAPIES GMBH, An der Goldgrube 12, 55131, Mainz, Germany ~72: BENJAMIN RENGSTL;HANS-ULRICH SCHMOLDT;JOYCELYN WÜSTEHUBE-LAUSCH;MATTHIAS BIRTEL;PETRA OEHM;UGUR SAHIN~ 33:EP ~31:PCT/EP2021/065290 ~32:08/06/2021

2023/11301 ~ Complete ~54:METHOD OF PREPARING AN EXTRACT OF CHAYOTE ~71:HEBEI RUILONG BIOTECHNOLOGY CO., LTD, East of Qinling Street, South of Chongjiang Road, North of Guoyi City, High-tech Zone, Shijiazhuang, People's Republic of China ~72: HE, Aimin;LI, Weijia;LONG, Lijin~ 33:CN ~31:202210922091.9 ~32:02/08/2022

2023/11302 ~ Provisional ~54:TWIN SAVER CARD ~71:MERCHANTS MERCHANT, 1983 BLOCK F, SOSHANGUVE, GAUTENG, South Africa ~72: STANLEY MAKHAYA~

2023/11259 ~ Provisional ~54:SMART TETHERING SYSTEM FOR WATER SPORTS ~71:AMHEDERIX (PTY) LTD, 873 Fry Street, Waverley, South Africa ~72: GROBLER, Tinus;VENTER, Petrus Jacobus~

2023/11260 ~ Provisional ~54:SECURITY GATE/BARRIER ~71:ALSYSCO SA (PTY) LTD, No. 11B Bedfordview Office Park 3 Riley Road Bedfordview, 2007, South Africa ~72: AIDEN SHUNMUGAM;BRADLEY PEPPER;PETER CROFTON-BALL~

2023/11263 ~ Provisional ~54:SECURITY DEVICE AND ASSOCIATED SECURITY SYSTEM ~71:PRIMIC, Louis–André, Unit 1, 31 Pinotage Road, Saxonburg Park 1, South Africa ~72: PRIMIC, Louis–André~

2023/11265 ~ Provisional ~54:SCHOOLS SECURITY ~71:DONALD TLABYANE, 48 ALUTA CRESCENT, HOSPITAL VIEW, GAUTENG, South Africa ~72: DONALD TLABYANE~

2023/11273 ~ Complete ~54:DEVICE FOR POLISHING INNER WALLS OF Y-SHAPED THREE-WAY PIPE FITTING ~71:Hebei Century New Star Pipe Industry Co., Ltd, Buzhai, Mengcun Hui Autonomous County, Cangzhou City, Hebei Province, People's Republic of China ~72: Fan Xinglong~ 33:CN ~31:202311357778.3 ~32:19/10/2023

2023/11280 ~ Complete ~54:PHYSICAL OZONE PREVENTION AND CONTROL SYSTEM FOR FRUIT AND VEGETABLE DISEASES IN SOLAR GREENHOUSE ~71:SHANDONG BAIYU AGRICULTURAL SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD, AGRICULTURAL SCIENCE PARK, BEIYUANTUAN VILLAGE, People's Republic of China ~72: LI, Zhihong;YUAN, Qiang;YUAN, Shengbo~

2023/11285 ~ Complete ~54:FRESHWATER-RECIRCULATING AQUACULTURE SYSTEM ~71:APRIA SYSTEMS, S.L., Parque Empresarial de Morero. Parcela P.2-12, Nave I, Puerta 5, Spain ~72: GOMEZ RODRIGUEZ, Pedro Manuel;IBAÑEZ MENDIZABAL, Raquel;ORTIZ URIBE, Inmaculada;URTIAGA MENDIA, Ana María~ 33:ES ~31:U202131422 ~32:07/07/2021

2023/11289 ~ Complete ~54:CYCLOHEXANE LIPIDOIDS FOR NUCLEIC ACID TRANSFECTION AND USE THEREOF ~71:Ustav organicke chemie a biochemie AV CR, v. v. i., Flemingovo namesti 542/2, PRAHA 6 16000 , CZECH REPUBLIC, Czech Republic ~72: CIGLER, Petr;GRANTZ SASKOVA, Klara;HEJDANKOVA, Zuzana;LOUKOTOVA, Lenka;PETREZSELYOVA, Silvia;PRISS, Anastasiia;SVEC, Pavel;VANEK, Vaclav~ 33:CZ ~31:PV 2021-345 ~32:19/07/2021

2023/11295 ~ Complete ~54:CONCRETE TOWER WITH SEVERAL SECTIONS ~71:WINDTECHNIC ENGINEERING, S.L., Paseo Lugaritz, 21, Spain ~72: BENAVIDES OCHOA-AIZPURUA, Jokin;LANDEIRA PEREIRA, Álvaro~

2023/11274 ~ Complete ~54:CONNECTOR SYSTEM ~71:KELLER, Izaan Louis, 31 Mount Pleasant, 5th Avenue, Denneoord, George 6529, Western Cape, SOUTH AFRICA, South Africa ~72: FOURIE, Waldo~

2023/11282 ~ Complete ~54:ARTICLE FOR USE IN A NON-COMBUSTIBLE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ENGLAND, William;HEPWORTH, Richard;HODGSON, Matthew;TAVERN, Sydney~ 33:GB ~31:2108774.7 ~32:18/06/2021

2023/11293 ~ Complete ~54:EQUIPMENT AND METHOD FOR EXTRACTING SOLIDS IN CONTAMINATED FLUIDS ~71:WATER CHALLENGE, S.L., Avenida del Papa Negro 63, Spain ~72: VERA ALARCON, Sebastian~ 33:ES ~31:P202130426 ~32:11/05/2021

2023/11298 ~ Complete ~54:SYSTEMS, METHODS, AND NON-TRANSITORY PROCESSOR-READABLE MEDIA FOR DETERMINING PRECODING INFORMATION FOR UPLINK TRANSMISSIONS ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong,

518057, People's Republic of China ~72: BO GAO;CHUANGXIN JIANG;KE YAO;MENG MEI;MINQIANG ZOU;ZHAOHUA LU~

2023/11281 ~ Complete ~54:CLEANING AND ALGAE REMOVAL DEVICE FOR RADIAL-FLOW SECONDARY SEDIMENTATION TANK IN SEWAGE TREATMENT PLANT ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan, People's Republic of China ~72: CHEN, Binghua;GAO, Hongbin;KANG, Haiyan;LI, Jing;LI, Songya;LIU, Biao;MAO, Yanli;WANG, Le;WANG, Linpei;WANG, Xiaoyan;WU, Junfeng;ZHOU, Yiming~ 33:CN ~31:202322440980.4 ~32:08/09/2023

2023/11258 ~ Provisional ~54:WEIGHT ACTIVATED LOW LEVEL INDICATOR FOR LIQUID PETROLEUM GAS CYLINDERS ~71:Raymond Christopher McLellan, 40 Redwing Crescent, Yellowwood Park, South Africa ~72: Raymond Christopher McLellan~

2023/11261 ~ Provisional ~54:YIELDING MINE SUPPORT BAG ~71:MAN AND OH INVESTMENTS (PTY) LTD., 237 Luipaard Street, Boltonia, Krugersdorp, 1739, South Africa ~72: DEANE CONOR O'HAUGHEY~

2023/11284 ~ Complete ~54:GAS BURNER ~71:MITSUBISHI HEAVY INDUSTRIES POWER IDS CO., LTD., 56-1 Aioi-cho 3-Chome, Naka-ku, Yokohama-shi, Kanagawa, 2310012, Japan ~72: KABUKI, Yutaka;KOZUMA, Tomiaki;TAGUCHI, Yuzo;TAKASHIMA, Yohei;TSUMURA, Toshikazu~ 33:JP ~31:2021-106750 ~32:28/06/2021

2023/11300 ~ Complete ~54:HIGH FLUID VELOCITY CELL DESIGN FOR THE ELECTROCHEMICAL GENERATION OF HYDROGEN AND CARBON DIOXIDE ~71:EVOQUA WATER TECHNOLOGIES LLC, 210 Sixth Avenue, Suite 3300, Pittsburgh, Pennsylvania, 15222, United States of America ~72: BENJAMIN SATTERFIELD;JOSHUA GRIFFIS;LI-SHIANG LIANG;SIMON P DUKES;ZACCUR QASIM FETTIG~ 33:US ~31:63/186,905 ~32:11/05/2021;33:US ~31:63/187,519 ~32:12/05/2021

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2023/11335 ~ Complete ~54:HERBICIDE/SAFENER COMBINATION BASED ON SAFENERS FROM THE CLASS OF SUBSTITUTED [(1,5-DIPHENYL-1H-1,2,4-TRIAZOL-3-YL)OXY]ACETIC ACIDS AND THEIR SALTS ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: DITTGEN, Jan;HAAF, Klaus Bernhard;LORENTZ, Lothar;MENNE, Hubert;MÜLLER, Thomas;PEREZ CATALAN, Julio;REINGRUBER, Anna Maria;SCHMIDT, Mathias;TRABOLD, Klaus~ 33:EP ~31:21172971.0 ~32:10/05/2021

2023/11316 ~ Complete ~54:UNDERGROUND SUPPORT STRUCTURE AND METHOD OF USING SAME ~71:MPC CHEMICALS (PTY) LTD., 11 Lombaard street, Pienaarsdorp, South Africa ~72: KEEN, JOHN EDWARD~ 33:ZA ~31:2022/13284 ~32:08/12/2022

2023/11322 ~ Complete ~54:THE PREPARATION METHOD OF ORGANIC INDIUM SALT/RARE EARTH STRONTIUM ALUMINATE COMPOSITE BLUE LIGHT MATERIAL ~71:NINGBO UNIVERSITY, No.818 Fenghua Road, Jiangbei District, Ningbo City, People's Republic of China ~72: LI, Jing;WU, Huihui~

2023/11327 ~ Complete ~54:NATURAL FINING AGENT FOR BEVERAGES ~71:KERRY GROUP SERVICES INTERNATIONAL LIMITED, PRINCE'S STREET, CO. KERRY, TRALEE, V92 EH11 IRELAND, Ireland ~72: CUSKELLY, Daragh;DOYLE, Jonathan;GEORIS, Jacques;KADAM, Shekhar, Umakantrao;LALOR, Eoin (Deceased)~ 33:US ~31:63/186,417 ~32:10/05/2021;33:US ~31:17/707,143 ~32:29/03/2022

2023/11332 ~ Complete ~54:A SYSTEM AND A METHOD FOR MICRONIZATION OF SOLID PARTICLES USING VAVULAR CONDUIT ~71:HEGDE, Shreepad, Boudhik IP LLP, C 122, Jal Vayu Vihar, Sector 30, Gurgaon, 122001, Haryana, India ~72: HEGDE, Shreepad~ 33:IN ~31:202141023139 ~32:24/05/2021

2023/11334 ~ Complete ~54:NOVEL ANTI-CD276 ANTIBODIES AND THE USES THEREOF ~71:Antengene Biologics Limited, Suite 1206-1209, Block B, Zhongshan SOHO Plaza, 1065 West Zhongshan Road, Changning District, SHANGHAI 200051, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Peng;DENG, Min;HOU, Bing;LI, Tenteng;MEI, Jay;SHAN, Bo;YUWEN, Hui~ 33:IB ~31:2021/093157 ~32:11/05/2021;33:IB ~31:2022/089645 ~32:27/04/2022

2023/11312 ~ Complete ~54:COMPOSITION COMPRISING ANTISENSE OLIGONUCLEOTIDE AND USE THEREOF FOR TREATMENT OF DUCHENNE MUSCULAR DYSTROPHY ~71:NIPPON SHINYAKU CO., LTD., 14, Kisshoin Nishinosho Monguchicho, Minami-ku, Kyoto-shi, Kyoto, 6018550, Japan ~72: TAKASHI NATSUKAWA;TOMONORI UNO;YOUHEI SATOU;YOUICHI EGAWA~ 33:US ~31:62/690,270 ~32:26/06/2018;33:US ~31:62/739,386 ~32:01/10/2018

2023/11313 ~ Complete ~54:COMPOSITIONS OF VITAMIN A PALMITATE, PROCESSES FOR THEIR PREPARATION, USES AND METHODS COMPRISING THEM ~71:ADVENT THERAPEUTICS INC., 6500 Old Carversville Road Lumberville, Pennsylvania, 18933, United States of America ~72: CRAIG GELFAND;DAVID LOPEZ;ROBERT SEGAL~ 33:US ~31:62/972,784 ~32:11/02/2020

2023/11318 ~ Complete ~54:MULTIDENTATE AZA LIGAND PALLADIUM FUNCTIONALIZED FIBER AS WELL AS PREPARATION METHOD AND USE THEREOF ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, 21 BOHAI ROAD, CAOFEIDIAN XINCHENG, People's Republic of China ~72: LIU, Chunyan;LIU, Chunyuan;REN, Bo;WU, Zhiying;XIAO, Jian;ZHENG, Jiangyu~ 33:CN ~31:202310202653.7 ~32:06/03/2023

2023/11329 ~ Complete ~54:UREA DERIVATIVES WHICH CAN BE USED TO TREAT CANCER ~71:SCORPION THERAPEUTICS, INC., One Winthrop Square, Suite 400, Boston, Massachusetts, 02110, United States of America ~72: JR. DAVID ST. JEAN;MAXWELL DAVID CUMMINGS~ 33:US ~31:63/210,370 ~32:14/06/2021;33:US ~31:63/228,351 ~32:02/08/2021;33:US ~31:63/288,909 ~32:13/12/2021;33:US ~31:63/316,017 ~32:03/03/2022;33:US ~31:63/319,236 ~32:11/03/2022;33:US ~31:63/348,261 ~32:02/06/2022

2023/11333 ~ Complete ~54:DEVICE FOR PRODUCING EXPANDED GRANULATED MATERIAL ~71:Omya International AG, Baslerstrasse 42, OFTRINGEN 4665 , SWITZERLAND, Switzerland ~72: NEUBACHER, Julian;TSCHERNKO, Harald~ 33:EP ~31:21173308.4 ~32:11/05/2021

2023/11345 ~ Provisional ~54:ECO-FRIENDLY KILN DESIGN ~71:Emmanuel Lebaka, 31 Plaza Mayor, 125 Fouriesburg street, South Africa ~72: Emmanuel Lebaka~

2023/11342 ~ Provisional ~54:SMARTMAT ~71:Emmanuel Lebaka, 31 Plaza Mayor, 125 Fouriesburg street, South Africa ~72: Defacto Consulting~

2023/11304 ~ Provisional ~54:COMPOSITE HTAG ~71:DESMOND LAURENCE SEEKOLA, 70 Leo Ave, South Africa ~72: DESMOND LAURENCE SEEKOLA~

2023/11324 ~ Complete ~54:THE ALKALINE PRINTING DEGUMMING PROCESS ~71:NINGBO UNIVERSITY, No.818 Fenghua Road, Jiangbei District, Ningbo City, People's Republic of China ~72: LI, Jing;WU, Haifang;WU, Huihui;ZHOU, Jiali;ZHU, Panpan~

2023/11307 ~ Provisional ~54:BIODEGRADABLE HEMP STRAW COLLECTABLES ~71:Barend Daniel DE BEER, 9 Swartberg Street Vaalpark, South Africa ~72: Barend Daniel DE BEER~

2023/11309 ~ Provisional ~54:A LOAD TRANSFER SYSTEM AND METHOD ~71:D A D DESIGN AND DEVELOPMENT PROPRIETARY LIMITED, 38 St Denis Road, Claremont, Cape Town, 7708, SOUTH AFRICA, South Africa ~72: MCVITTY, Alan George Cyril~

2023/11323 ~ Complete ~54:THE PLANT DYEING METHOD THAT DIRECTLY DISPLAYS THE PATTERN ~71:NINGBO UNIVERSITY, No.818 Fenghua Road, Jiangbei District, Ningbo City, People's Republic of China ~72: LI, Jing;WU, Haifang;WU, Huihui;ZHOU, Jiali;ZHU, Panpan~

2023/11326 ~ Complete ~54:CRYSTAL FORM OF TOLEBRUTINIB, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: CHEN, Minhua;SHI, Jiaming;ZHANG, Jing~ 33:CN ~31:202110652005.2 ~32:11/06/2021;33:CN ~31:202110690510.6 ~32:22/06/2021;33:CN ~31:202111326112.2 ~32:10/11/2021

2023/11331 ~ Complete ~54:INSTALLATION MACHINE AND METHOD FOR ASSEMBLING STEEL-CONCRETE COMPOSITE BEAM BRIDGE ~71:SHANDONG FANGDA HANGXIAO STEEL STRUCTURE TECHNOLOGY CO., LTD., No. 88 Meishan Road, Jingjiahe Community, Zhonglou Street Office, Zichuan District, Zibo, Shandong, 255150, People's Republic of China ~72: FAN, Zongyong;LI, Kun;SUN, Fusheng;WANG, Guorong;WANG, Yu;ZHANG, Zihao;ZHAO, Zhikun;ZHENG, Guizhi~ 33:CN ~31:202211689599.5 ~32:27/12/2022

2023/11319 ~ Complete ~54:AUTOMATIC MEASURING DEVICE FOR HEIGHTS OF SHRUB GRASS PLANTS ~71:INSTITUTE OF WATER RESOURCES OF PASTORAL AREA, MWR, NO. 128, UNIVERSITY EAST STREET, People's Republic of China ~72: CHEN, Yuxin;GAO, Tianming;GUO, Haiwei;LIU, Jing;LIU, Xinyu;LU, Yuyang;WANG, Xin;YANG, Feng;YUE, Zhengwen;ZHANG, Jing;ZHANG, Weiming~ 33:CN ~31:2023103809394 ~32:11/04/2023

2023/11320 ~ Complete ~54:MAGNETIC INDUCTION WIND EROSION PROCESS MONITORING EQUIPMENT ~71:INNER MONGOLIA AUTONOMOUS REGION TERRITORIAL PLANNING INSTITUTE, NO. 11 XUEYUAN EAST STREET, People's Republic of China;INSTITUTE OF WATER RESOURCES OF PASTORAL AREA, MWR, NO. 128, UNIVERSITY EAST STREET, People's Republic of China ~72: GUO, Jianying;HUANG, Yun;LIU, Xinyu;TIAN, Tian;WANG, Youfeng;WANG, Ziwei;YANG, Zhenqi;YAO, Zhenyu;ZHAO, Tianqi;ZHOU, Xu~

2023/11338 ~ Complete ~54:PRESSURE REDUCING DEVICE ~71:L'Air Liquide, Societe Anonyme pour l'Etude et L'Exploitation des Procedes Georges Claude, 75 Quai d'Orsay, PARIS 75007, FRANCE, France ~72: IBALD, Daniel;KREMER, Robert;MULLER, Denis~ 33:EP ~31:21179536 ~32:15/06/2021

2023/11341 ~ Provisional ~54:SKILLCHECK: A REAL-TIME SKILL ASSESSMENT ~71:Emmanuel Lebaka, 31 Plaza Mayor, 125 Fouriesburg street, South Africa ~72: Emmanuel Lebaka~

2023/11310 ~ Complete ~54:MODIFIED IRON-BASED METAL-ORGANIC FRAMEWORK ELECTROCATALYST, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Tsinghua University, 30 Shuangqing Road, Haidian District, Beijing, 100091, People's Republic of China ~72: CUI, Xiaofeng;LI, Miao;LIU, Xiang~

2023/11311 ~ Complete ~54:ANTI-BCMA HEAVY CHAIN-ONLY ANTIBODIES ~71:TENEOBIO, INC., 7999 Gateway Blvd., Suite 320 Newark, California, 94560, United States of America ~72: KATHERINE HARRIS;NATHAN TRINKLEIN;SHELLEY FORCE ALDRED;WIM VAN SCHOOTEN~ 33:US ~31:62/522,355 ~32:20/06/2017

2023/11314 ~ Complete ~54:PESTICIDE EXTRACTION DEVICE FOR PESTICIDE RESIDUE DETECTION ~71:Institute of Biotechnology and Food Science, Hebei Academy of Agricultural and Forestry Sciences, No. 598,

Hepingxi Street, Shijiazhuang City, Hebei Province, 050000, People's Republic of China ~72: Chen Yongda;Li Limei;Qian Xun;Zhang Jiakun;Zheng Zhenshan~

2023/11343 ~ Provisional ~54:VOICEOPS ~71:Emmanuel Lebaka, 31 Plaza Mayor, 125 Fouriesburg street, South Africa ~72: Emmanuel Lebaka~

2023/11347 ~ Provisional ~54:BIOGESA ~71:Emmanuel Lebaka, 31 Plaza Mayor, 125 Fouriesburg street, South Africa ~72: Emmanuel Lebaka~

2023/11308 ~ Provisional ~54:GAS CYLINDER WEIGHING SCALE ~71:SHISHIGAS ENERGY (PTY) LTD., 548 Greenstone Ridge, 1 Emerald Boulevard, EDENVALE 1609, Gauteng, SOUTH AFRICA, South Africa ~72: GWENZI, Gishon;MAPULANE, Kamogelo Rudolf~

2023/11315 ~ Complete ~54:A DISTRIBUTED CONTROL METHOD FOR SPACECRAFT FORMATION TRAJECTORY TRACKING AND RELATED EQUIPMENT ~71:Central South University, No.932, South Lushan Road, Yuelu District, Changsha City, Hunan Province, 410083, People's Republic of China ~72: Caisheng WEI;Hua JIN;Jun LIU;Mingzhe DAI;Qifeng CHEN;Yuxin LIAO~ 33:CN ~31:2023101233830 ~32:16/02/2023

2023/11306 ~ Provisional ~54:A VEHICLE SYSTEM AND METHOD OF COMMUNICATING FROM A VEHICLE ~71:C2 SOLUTIONS (PTY) LTD., 17 Portmarnock Drive, Silver Lakes Golf Estate, Pretoria 0054, Gauteng Province, SOUTH AFRICA, South Africa ~72: CLAASSEN, Stephen~

2023/11344 ~ Provisional ~54:ECOCHARFLAVOUR ~71:Emmanuel Lebaka, 31 Plaza Mayor, 125 Fouriesburg street, South Africa ~72: Emmanuel Lebaka~

2023/11336 ~ Complete ~54:METHODS OF MINIMIZING NEUROTOXICITY ASSOCIATED WITH CHIMERIC ANTIGEN RECEPTOR (CAR) T CELL THERAPY ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America;Legend Biotech USA Inc., 10 Knightsbridge Road, PISCATAWAY 08854, NJ, USA, United States of America ~72: AKRAM, Muhammad S.;DE BRAGANCA, Kevin C.;DE MONDELO, Maria Marquez;GOLDBERG, Jenna;JACKSON, Carolyn Chang;LEE, Erin C.;LENDVAI, Nikoletta;OLYSLAGER, Yunsi;QIU, Jun;XU, Jean;ZUDAIRE UBANI, Enrique~ 33:US ~31:63/186,872 ~32:11/05/2021

2023/11337 ~ Complete ~54:COMPOSITION FOR IN-VIVO DELIVERING MRNA CONTAINING MODIFIED NUCLEOTIDE ~71:EYEGENE Inc., #B-1211, 401, Yangcheon-ro, Gangseo-gu, SEOUL 07528, REPUBLIC OF KOREA, Republic of Korea ~72: CHO, Yang Je;KIM , Kwangsung;KIM, Seok Hyun~ 33:KR ~31:10-2022-0113631 ~32:07/09/2022;33:KR ~31:10-2023-0102612 ~32:07/08/2023

2023/11387 ~ Provisional ~54:BIOGESA ~71:Emmanuel Lebaka, 31 Plaza Mayor, 125 Fouriesburg street, South Africa ~72: Emmanuel Lebaka~

2023/11317 ~ Complete ~54:DESILTING DEVICE FOR WATER CONSERVANCY ECOLOGICAL ENGINEERING ~71:INSTITUTE OF WATER RESOURCES OF PASTORAL AREA, MWR, NO. 128, UNIVERSITY EAST STREET, People's Republic of China ~72: CHEN, Yuxin;FENG, Xiu;GAO, Tianming;LIU, Jing;LIU, Xinyu;MIAO, Henglu;WANG, Lixia;YANG, Feng;YANG, Zhenqi;YAO, Zhenyu;YUCHI, Wensi;YUE, Zhengwen;ZHAO, Tianqi~ 33:CN ~31:2023104664636 ~32:27/04/2023

2023/11305 ~ Provisional ~54:A DOCUMENT GENERATION SYSTEM AND METHOD ~71:KRUGER, JAN ADRIAAN, 4 THE OLD FORT STREET, LYNWOOD, South Africa ~72: KRUGER, ADRIAAN~

2023/11321 ~ Complete ~54:PROMPT-LEARNING-BASED ZERO-SHOT BRAIN LESION SEGMENTATION METHOD, SYSTEM, DEVICE AND MEDIUM ~71:BEIJING INSTITUTE OF TECHNOLOGY, ZHONGGUANCUN

CAMPUS, NO. 5 ZHONGGUANCUN SOUTH STREET, People's Republic of China;UNIVERSITY OF CAPE TOWN, PRIVATE BAG X3, South Africa ~72: LIU, Chenghao;MARAIS, Patrick;WEN, Ziqi;YE, Chuyang;ZHANG, Xinru~ 33:CN ~31:2023104514855 ~32:25/04/2023

2023/11325 ~ Complete ~54:THE LIGHT-HEAT DUAL-RESPONSE INTELLIGENT COLOR-CHANGING COTTON FABRIC ~71:NINGBO UNIVERSITY, No.818 Fenghua Road, Jiangbei District, Ningbo City, People's Republic of China ~72: LI, Jing;WU, Huihui~

2023/11328 ~ Complete ~54:NON-SILICONE VEGETABLE OIL BASED ANTI-FOAM COMPATIBLE WITH CROSS-FLOW FILTRATION ~71:KERRY GROUP SERVICES INTERNATIONAL LIMITED, PRINCE'S STREET, CO. KERRY, TRALEE, V92 EH11 IRELAND, Ireland ~72: CUSKELLY, Daragh;DOYLE, Jonathan;GEORIS, Jacques;KADAM, Shekhar, Umakantrao;LALOR, Eoin (Deceased)~ 33:US ~31:63/186,437 ~32:10/05/2021

2023/11330 ~ Complete ~54:METHODS AND SYSTEMS FOR DETERMINING TRANSMISSION CONFIGURATION INDICATOR STATES ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: BO GAO;CHENCHEN ZHANG;FEI DONG;KE YAO;SHUJUAN ZHANG~

2023/11346 ~ Provisional ~54:NEUROVITAL ~71:Emmanuel Lebaka, 31 Plaza Mayor, 125 Fouriesburg street, South Africa ~72: Emmanuel Lebaka~

2023/11339 ~ Complete ~54:BOREHOLE RESIDENT ELECTRONIC DEVICE ~71:Orica International Pte Ltd, 78 Shenton Way, #06-15 Tower 2, SINGAPORE 079120, SINGAPORE, Singapore ~72: APPLEBY, Rodney Wayne;PIPER, David James Eastman~ 33:SG ~31:10202106276P ~32:11/06/2021

2023/11340 ~ Provisional ~54:SYSTEM AND METHOD FOR PREPAYMENT BOOKING AND OPTIMIZATION OF TAXI SERVICES ~71:Defacto Consulting, 31 Plaza Mayor, 125 Fouriesburg street, South Africa ~72: Emmanuel Lebaka~

. - APPLIED ON 2023/12/11 -

2023/11349 ~ Provisional ~54:SYSTEM CONFIGURATION AND CONTROLLER FOR RENEWABLE ENERGY EMBEDDED GENERATION CONSUMPTION OPTIMIZATION ~71:Neill Human, 15 Lobelia Street, South Africa ~72: Neill Human~

2023/11354 ~ Complete ~54:AGRICULTURAL TRENCH DEPTH SENSING SYSTEMS, METHODS, AND APPARATUS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: MINARICH, Nicholas;STRNAD, Michael~ 33:US ~31:62/722,386 ~32:24/08/2018

2023/11364 ~ Complete ~54:USE OF SGLT-2 INHIBITORS FOR THE PREVENTION AND/OR TREATMENT OF CARDIAC DISEASES IN NON-HUMAN MAMMALS EXCLUDING FELINES, IN PARTICULAR CANINES ~71:BOEHRINGER INGELHEIM VETMEDICA GMBH, Binger Strasse 173, Germany ~72: KROH, Carla;LANG, Ingo Ulrich;MATALLO, José~ 33:EP ~31:21188311.1 ~32:28/07/2021

2023/11365 ~ Complete ~54:MONOCLONAL ANTIBODIES AGAINST CLDN18.2 AND FC-ENGINEERED VERSIONS THEREOF ~71:SHIJIAZHUANG YILING PHARMACEUTICAL CO., LTD., No.238, Tianshan Street, High-Tech Area Shijiazhuang, People's Republic of China ~72: JIA, Zhenhua~ 33:CN ~31:PCT/CN2021/097239 ~32:31/05/2021;33:CN ~31:PCT/CN2021/097240 ~32:31/05/2021;33:CN ~31:PCT/CN2021/106783 ~32:16/07/2021;33:CN ~31:PCT/CN2021/106784 ~32:16/07/2021

2023/11378 ~ Complete ~54:AN ELECTRICAL SOCKET ASSEMBLY WITH AN IMPROVED CONTACT ELEMENT ~71:PANASONIC LIFE SOLUTIONS INDIA PRIVATE LIMITED, 3rd Floor, B wing I- Think Techno

Campus Pokhran, India ~72: AGLAWE, Abhijit;GAIKWAD, Akshay;KUMAR, Pankaj~ 33:IN ~31:202121024768 ~32:03/06/2021

2023/11380 ~ Complete ~54:C-LINKED INHIBITORS OF ENL/AF9 YEATS ~71:BRIDGE MEDICINES, LLC, Jacob S. Lasdon House, 420 East, 70th Street, Suite 510, New York, New York, 10021, United States of America ~72: BRADLEY SHERBORNE;DAVID JOHN HUGGINS;JOSEPH P VACCA;NIGEL LIVERTON;SÉBASTIEN L DEGORCE;TAMMY LADDUWAHETTY;TANWEER A KHAN~ 33:US ~31:63/188,426 ~32:13/05/2021

2023/11388 ~ Provisional ~54:A PROCESS AND METHOD FOR ALLOWING A BANK USER TO CHOOSE WHOM SHOULD BE CHARGED WHEN SENDING MONEY TO A CELLPHONE NUMBER ~71:Tshimangadzo Tshikomba, 95 Rahima Moosa Street, South Africa ~72: Tshimangadzo Tshikomba~

2023/11356 ~ Complete ~54:NON-RETURN VALVES ~71:ORKA TRUST, Unit 7, Trift Place,19 Schinz Street, Ausspannplatz, Namibia ~72: DUVENAGE, Rienzi~ 33:ZA ~31:2022/13791 ~32:21/12/2022

2023/11357 ~ Complete ~54:METHOD FOR REDUCING NITROGEN APPLICATION AND INCREASING YIELD OF CUCUMBER ~71:Horticulture Research Institute, Sichuan Academy of Agricultural Sciences, No. 20, Jingjusi Road, Chengdu City, Sichuan, 610000, People's Republic of China;Pengzhou Rural Investment and Development Co., Ltd., No. 118, Group 3, Guiqiao Village, Mengyang Street, Pengzhou City, Chengdu City, Sichuan, 611900, People's Republic of China ~72: LIANG, Ying;TANG, Li;ZHANG, Zejin~

2023/11361 ~ Complete ~54:CONTINUOUS GROUPING DEVICE FOR TAIL END OF CONVEYOR LINE ~71:CRRC Yangtze Tongling Co., LTD., Community, Xinqiao Sub-district, Yi'an District, Tongling City, Anhui, 244099, People's Republic of China ~72: CHENG, Guangyuan;LI, Guodong;LI, Liqun;LIU, Hong;PAN, Anqi;QIAN, Xiaojun;QIN, Xiaolin;WANG, Fei;WANG, Jiafu;XIONG, Yongyue;YE, Yang~ 33:CN ~31:2022114549112 ~32:21/11/2022

2023/11375 ~ Complete ~54:CRYSTALLINE FORMS OF TROFINETIDE ~71:Acadia Pharmaceuticals Inc., 12830 El Camino Real, Suite 400, SAN DIEGO 92130, CA, USA, United States of America ~72: BETTI, Cecilia;BOUSMANNE, Martin Bernard Catherine;CARLOS, Marlon;GROVE, Lisa M.;JONAITIS, David T.;MCCRACKEN, Lisa M.;PETERSON, Matthew~ 33:US ~31:63/220,660 ~32:12/07/2021

2023/11379 ~ Complete ~54:ETHACRYNIC ACID DERIVATIVES AS INHIBITORS OF MPRO PROTEASE AND SARS-COV-2 REPLICATION ~71:UNIVERSITE EURO-MEDITERRANEENNE DE FES, Rond Point Bensouda, Route de Meknès RN6 Fès FES, 30100, Morocco ~72: ABDELAZIZ EL ALAOUI;ABDELMOULA EL ABBOUCHI;ELMOSTAFA EL FAHIME;MOSTAPHA BOUSMINA;MOUHSSINE HEMLALI;NABIL EL BRAHMI;NADIA TOUIL;SAÏD EL KAZZOULI;SALIM BOUNOU~ 33:MA ~31:53521 ~32:12/05/2021

2023/11382 ~ Complete ~54:A SYSTEM FOR DETERRING AQUATIC ANIMALS ~71:ARMAMENTS CORPORATION OF SOUTH AFRICA SOC LTD., 370 Nossob Street, Erasmuskloof Ext 4, Pretoria, 0181, South Africa ~72: GABRIEL JACOBS;JOCOB VENTER;JOHANNES VAN WYK~ 33:ZA ~31:2021/04125 ~32:17/06/2021

2023/11350 ~ Provisional ~54:A DEVICE FOR DETECTING AND PREVENTING EYE DISEASES ~71:Karuna Yasvantrai SUKHA, 11 Avenue Grande Duchesse Charlotte, L-5654, Luxembourg ~72: SUKHA, Anusha Yasvantrai;SUKHA, Karuna Yasvantrai~

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

2023/11367 ~ Complete ~54:APPARATUS AND SYSTEM FOR MEASURING FOULING PARAMETERS IN A FLUID ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street Stellenbosch, South Africa ~72: KLOPPER, Kyle Brent;WOLFAARDT, Gideon~ 33:ZA ~31:2021/04340 ~32:24/06/2021

2023/11371 ~ Complete ~54:AEROSOL PROVISION SYSTEMS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: MOLONEY, Patrick~ 33:GB ~31:2108884.4 ~32:21/06/2021

2023/11381 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR TREATING RHEUMATOID ARTHRITIS AND PREPARATION METHOD THEREFOR ~71:HEBEI YILING MEDICINE RESEARCH INSTITUTE CO., LTD., No.238 Tianshan Street, High Tech Development Zone, Shijiazhuang, Hebei, 050035, People's Republic of China ~72: ZHENHUA JIA~ 33:CN ~31:202110513825.3 ~32:12/05/2021

2023/11362 ~ Complete ~54:DEVICE FOR TRAPPING DEBRIS IN A NUCLEAR FUEL ASSEMBLY ~71:JOINT-STOCK COMPANY "TVEL" (JSC TVEL), Kashirskoe shosse, d. 49, Moscow, 115409, Russian Federation;PUBLICHNOE AKTSIONERNOE OBSHCHESTVO "NOVOSIBIRSKY ZAVOD KHIMKONTSENTRATOV" (PAO "NZHK"), ul. B. Khmelnitskogo, d. 94 g., Novosibirsk, 630110, Russian Federation ~72: ENIN, Anatoly Alekseevich;IVANOV, Roman Sergeevich;MURAVIEV, Andrey Vladimirovich;MYAKOV, Sergey Aleksandrovich;SHOLIN, Evgeny Vasilyevich;SHUSTOV, Mstislav Aleksandrovich;SIMANOVSKAYA, Irina Evgenyevna;UGRYUMOV, Aleksandr Valeryevich~ 33:RU ~31:2021118331 ~32:21/06/2021

2023/11385 ~ Complete ~54:CROSS-LINKING POLYSACCHARIDE WITH FIBROIN AND USES OF THE OBTAINED MATERIAL ~71:MERZ PHARMA GMBH & CO. KGAA, Eckenheimer Landstrabe 100, 60318, Frankfurt am Main, Germany ~72: DRABE, Colin;NEUBAUER, Jens;PLITT, Patrick;VUKICEVIC, Radovan~ 33:EP ~31:21181097.3 ~32:23/06/2021

2023/11374 ~ Complete ~54:IMPROVEMENTS IN OR RELATED TO ORGANIC COMPOUNDS ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: ALBRECHT, Nathalie;BRUNNER, Gerhard;JOSET, Nathalie;LOVCHIK, Martin;MEUNIER , Marie;REYNAUD , Romain;SCANDOLERA, Amandine~ 33:GB ~31:2110211.6 ~32:15/07/2021

2023/11383 ~ Complete ~54:INSULATED CONTAINERS AND METHODS FOR FORMING THE SAME ~71:BELVAC PRODUCTION MACHINERY, INC., 237 Graves Mill Road, Lynchburg, Virginia, 24502, United States of America ~72: PATRICK T YERBY;YONGNING MAO~ 33:US ~31:63/187,679 ~32:12/05/2021

2023/11360 ~ Complete ~54:ROBOT PATH TRAJECTORY PLANNING METHOD BASED ON DISTRIBUTED MODEL PREDICTION ~71:CHENGDU VOCATIONAL & TECHNICAL COLLEGE OF INDUSTRY, No. 818 Da'an Road, Zhengxing Street, Tianfu New District, Chengdu City, Sichuan Province, People's Republic of China ~72: Qian YU;Xiaoping LI;Zhenzhong HE~ 33:CN ~31:2023114844118 ~32:09/11/2023

2023/11368 ~ Complete ~54:SEQUENTIAL TREATMENT PROCESS FOR THE HEAP LEACHING OF PRIMARY AND SECONDARY COPPER SULPHIDES ~71:Corporacion Nacional del Cobre de Chile, Huérfanos 1270, SANTIAGO, SANTIAGO, CHILE, Chile ~72: CARREÑO NAVARRO, Héctor;JORDAN GUTIÉRREZ, Héctor;LAGNO SÁNCHEZ, Felipe;SALHE LEIVA, Carolina~ 33:CL ~31:1250-2021 ~32:12/05/2021

2023/11373 ~ Complete ~54:CONNECTOR WITH TWO PIERCING MEMBERS FOR PRESSURISING AND DISPENSING BEVERAGE FROM A BAG-IN-CONTAINER. CONNECTOR WITH VENTED ANTI-DRIPPING DISPENSING VALVE ~71:Anheuser-Busch InBev SA/NV, Grand Place 1, BRUSSELS 1000, BELGIUM, Belgium ~72: DIRX, Lieven Frans Sylvia;MASON, David Anthony;SILLINCE, Marc Erich~ 33:US ~31:17/350,814 ~32:17/06/2021

2023/11348 ~ Provisional ~54:GOLD BEAN NATURES GOLD ORGANIC HONEY SWEETENER ~71:Micheal Sachse, Hofmeyer Street, Unit 97 Voortrekker Park, South Africa ~72: Micheal Sachse~

2023/11355 ~ Complete ~54:METHODS AND IMAGING SYSTEMS FOR HARVESTING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HERRMANN, Aaron;STOLLER, Jason;SWANSON, Todd~ 33:US ~31:62/945,289 ~32:09/12/2019

2023/11363 ~ Complete ~54:SYSTEMS AND METHODS FOR PROVIDING A READING FROM A RANGEFINDING DEVICE ~71:SHELTERED WINGS, INC. d/b/a VORTEX OPTICS, ONE VORTEX DRIVE, BARNEVELD, WI 53507, USA, United States of America ~72: CAMPBELL, Richard;MORELL, Rob~ 33:US ~31:63/187,649 ~32:12/05/2021

2023/11384 ~ Complete ~54:A MOBILE REFRIGERATED BAR UNIT ~71:FILIP GASTON ROBERT TIMMERMANS, 105 Kingfisher Crescent, Kyalami Glen Estate, Kyalami, Midrand, Johannesburg, 1685, South Africa ~72: FILIP GASTON ROBERT TIMMERMANS~ 33:ZA ~31:2021/03162 ~32:11/05/2021

2023/11358 ~ Complete ~54:METHOD FOR PREPARING GEOPOLYMERS FROM OXIDIZED GOLD ORE HEAP-LEACHING TAILINGS ~71:Kunming University of Science and Technology, No. 68, Wenchang Lane, 121 Street, Wuhua District, Kunming City, Yunnan Province, 650031, People's Republic of China ~72: CHEN, Shuiqi;KANG, Bowen;SONG, Qiang;TONG, Xiong;WU, Yuyao;XIE, Xian;XU, Wupeng;ZHANG, Shouxun;ZHAO, Chu~ 33:CN ~31:2023112969829 ~32:08/10/2023

2023/11366 ~ Complete ~54:MONOCLONAL ANTIBODIES AGAINST CLDN18.2 AND FC-ENGINEERED VERSIONS THEREOF ~71:SHIJIAZHUANG YILING PHARMACEUTICAL CO., LTD., No.238, Tianshan Street, High-Tech Area Shijiazhuang, People's Republic of China ~72: JIA, Zhenhua~ 33:CN ~31:PCT/CN2021/097239 ~32:31/05/2021;33:CN ~31:PCT/CN2021/097240 ~32:31/05/2021;33:CN ~31:PCT/CN2021/106783 ~32:16/07/2021;33:CN ~31:PCT/CN2021/106784 ~32:16/07/2021

2023/11370 ~ Complete ~54:APPARATUS, DRILLING ARRANGEMENT AND METHOD FOR HIGH VOLTAGE ELECTRO PULSE DRILLING ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: ANDERS, Erik;LAUNIS, Sirpa;REKOLA, Jenni;UUSITALO, Jukka-Pekka;VOIGT, Matthias~ 33:EP ~31:21183403.1 ~32:02/07/2021

2023/11353 ~ Complete ~54:FOOD TABLET PRESS WITH DEHUMIDIFICATION FUNCTION ~71:Ruizhien Biotechnology (Henan) Co., Ltd., East (East of 107), 2nd Floor, B2 Factory Building, No. 299, Xindong Avenue (South), Hongmen Town, Hongqi District, Xinxiang City, Henan Province, People's Republic of China ~72: Houmin LIU;Shuai WANG;Xinke ZHU;Xinrui WANG~ 33:CN ~31:CN202310643089.2 ~32:01/06/2023

2023/11359 ~ Complete ~54:A GENERAL FUEL OIL ADDITIVE COMPOSITION, PRODUCTION PROCESS AND PROCESSING DEVICE ~71:Chongqing Technology and Business University, No.19, Xuefu Avenue, Nan’an District, Chongqing City, 400067, People's Republic of China;Chongqing Technology and Business University science and technology Developing INC, No. 4-238, No. 40, Fuyuan Avenue, Nan’an District, Chongqing City, 401336, People's Republic of China ~72: Donglin He;Haifeng Gong;Hong Yin;Ling Chen;Ping Ouyang;Yafei Chen~ 33:CN ~31:202310049744.1 ~32:01/02/2023

2023/11369 ~ Complete ~54:CAPSID VARIANTS AND METHODS OF USING THE SAME ~71:Dyno Therapeutics, Inc., 343 Arsenal St., Suite 101, WATERTOWN 02742, MA, USA, United States of America ~72: LAPAN, Sylvain;LEVITIN, Hanna;WHEELOCK, Lauren~ 33:US ~31:63/196,554 ~32:03/06/2021;33:US ~31:63/331,627 ~32:15/04/2022;33:US ~31:63/342,455 ~32:16/05/2022

2023/11377 ~ Complete ~54:HER2 MUTATION INHIBITORS ~71:Array BioPharma Inc., 3200 Walnut Street, BOULDER 80301, CO, USA, United States of America ~72: ELLIS, Bryan Daniel;HICKEN, Erik James;LAIRD, Ellen Ruth;LAZZARA, Nicholas Charles;NEWHOUSE, Bradley Jon;PAJK, Spencer Phillip;ROSEN, Rachel Zoe;SHELP, Russell Andrew~ 33:US ~31:63/215,435 ~32:26/06/2021;33:US ~31:63/294,590 ~32:29/12/2021;33:US ~31:63/350,495 ~32:09/06/2022

2023/11372 ~ Complete ~54:CONTAINER HAVING A RESEALABLE CAP ~71:Renew Health Limited, IDA Business & Technology Park, Garrycastle, Dublin Rd., ATHLONE N37 F786, IRELAND, Ireland ~72: BHARGAVA, Manoj;DUPUIS, Jeffrey;RUFFOLO, Alex;TALLY, William~ 33:US ~31:63/190,127 ~32:18/05/2021;33:US ~31:63/282,609 ~32:23/11/2021

2023/11376 ~ Complete ~54:METHOD OF ENHANCING THE ORTHONASAL PROFILE OF A PLANT ~71:Nicoventures Trading Limited, 1 Water Street, Globe House, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: GELINAS, Martine;MONTSERRAT SANCHEZ PENA, Maria;RENTON, Carla~ 33:GB ~31:2110266.0 ~32:16/07/2021

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2023/11411 ~ Complete ~54:SECURITY GATE ~71:DEFENDOOR CC, 199 Constantia Drive, Constantia Kloof, Roodepoort, Johannesburg, South Africa ~72: DAMIAN BRETT DIONISIO~ 33:ZA ~31:2022/10495 ~32:22/09/2022

2023/11414 ~ Complete ~54:ELASTIC SYSTEM AND METAL ZERO-LENGTH SPRING RELATIVE GRAVIMETER ~71:INNOVATION ACADEMY FOR PRECISION MEASUREMENT SCIENCE AND TECHNOLOGY, CHINESE ACADEMY OF SCIENCES, 30 Xiaohong Shanxi, Wuchang District, Wuhan City, People's Republic of China ~72: SUN, Heping;TIAN, Wei;WANG, Long;WU, Pengfei;ZOU, Zhou~

2023/11413 ~ Complete ~54:IMAGE SUPER-RESOLUTION RECONSTRUCTION METHOD AND SYSTEM ~71:ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, 318 Liuhe Road, Xihu District, Hangzhou City, People's Republic of China ~72: QIANG, Fangfang;ZHONG, Haiwei~

2023/11416 ~ Complete ~54:COMPUTER-IMPLEMENTED VISUAL QUERY MATCHING METHODS, AND SYSTEMS FOR IMPLEMENTING THEREOF ~71:TANAR CORP., 18 King Street East Suite, Canada ~72: KASHYAP, Arun~ 33:US ~31:17/945,551 ~32:15/09/2022

2023/11417 ~ Complete ~54:SUPPRESSOR ~71:BAMEKS - 98 AD, 32, General Zaimov Str., Karlovo, Bulgaria ~72: GIDIKOV, Trifon Ganchev~ 33:BG ~31:5330 ~32:25/06/2021

2023/11422 ~ Complete ~54:ANTIBODY CONJUGATE COMPRISING ANTI-P-CADHERIN ANTIBODY AND USES THEREOF ~71:Biocity Biopharmaceutics Co., Ltd., HuiChuang Building West Wing 24th Floor, Jianzhu West Road No.581, Binhu District, WUXI 214000, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: LI, Jie;LI, Jing;SHEN, Yuhong~ 33:IB ~31:2021/093652 ~32:13/05/2021

2023/11429 ~ Complete ~54:ARTICLE FOR USE IN A NON-COMBUSTIBLE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ABI AOUN, Walid;CAMBELL, Jeremy;DIMMICK, Barry;FAHIM ASHRAF, Muhammad;HEPWORTH, Richard;HODGSON, Matthew;TAYLOR, Benjamin~ 33:GB ~31:2108768.9 ~32:18/06/2021

2023/11432 ~ Complete ~54:NOVEL PROTEIN AND NUCLEIC ACID SEQUENCES FOR COVID-19 VACCINES ~71:DOMPE' FARMACEUTICI S.P.A., Via Santa Lucia 6, 20121, Milano, Italy ~72: ANDREA ROSARIO

BECCARI;ANNAMARIA CIMINI;CARMINE TALARICO;ELISABETTA MARIA ESTER MAURI;FRANCA CATTANI;MARCELLO ALLEGRETTI~ 33:EP ~31:21173941.2 ~32:14/05/2021

2023/11392 ~ Provisional ~54:MEDICAL IMPLANT DEVICE ~71:ORTHOCAPE (PTY) LTD, 12 Eramus Drive, Summerstrand, Port Elizabeth, South Africa ~72: MARAIS, Jacques;TERBLANCHE, Ignatius, Petrus, Stefanus;VERMEULEN, Marius~

2023/11397 ~ Complete ~54:METHOD FOR INTERPRETING MULTI-PARAMETER CONTRIBUTIONS IN A ROCK PHYSICS MODEL BASED ON NEURAL NETWORKS ~71:Central South University, No. 932, Lushan South Road, Yuelu District, Changsha City, Hunan Province, 410083, People's Republic of China ~72: Bochen WANG;Dawei GAO;Jiawei LIU;Zhenwei GUO~ 33:CN ~31:2023101733441 ~32:28/02/2023

2023/11420 ~ Complete ~54:BISPECIFIC ANTIBODIES AND USES OF THE SAME THEREOF ~71:HEFEI TG IMMUNOPHARMA CO., LTD., Room#2001, Building 1#C, Hefei innovation and entrepreneurship park, 268 Furong Road, Jingkai District, Hefei, People's Republic of China ~72: CAO, Guoshuai;CHENG, Ying;SUN, Haoyu;SUN, Rui;TIAN, Zhigang;XIAO, Weihua~ 33:CN ~31:202111485404.0 ~32:07/12/2021

2023/11435 ~ Complete ~54:DELAY OR PREVENTION OF BROWNING IN BANANA FRUIT ~71:TROPIC BIOSCIENCES UK LIMITED, Norwich Research Park, Innovation Centre, United Kingdom ~72: CHAPARRO GARCIA, Angela Lucia;GREEN, Robert Tristan;GUILLAUME-SCHOEPFER, David;KNEVITT, Daniel;PAIS DIEGUEZ, Silvia Marina~ 33:GB ~31:2109585.6 ~32:02/07/2021;33:GB ~31:2116382.9 ~32:12/11/2021

2023/11437 ~ Complete ~54:CHICKEN LOW-DENSITY LIQUID SNP CHIP BASED ON TARGETED CAPTURE AND SEQUENCING AND USE THEREOF ~71:JIANGSU INSTITUTE OF POULTRY SCIENCES, Cangjie Road No.58, Hanjiang District Yangzhou, People's Republic of China ~72: JI, Gaige;JIA, Xiaoxu;JU, Xiaojun;LI, YunIei;LIU, Yifan;SHAN, Yanju;SHENG, Zhongwei;SHU, Jingting;TU, Yunjie;ZHANG, Ming;ZHOU, Chenghao;ZOU, Jianmin~ 33:CN ~31:2022102068408 ~32:04/03/2022

2023/11389 ~ Provisional ~54:CARGUARD MOBILE PARKING TICKET SYSTEM ~71:Delile Ndumo, 505 West Avenue, South Africa;Delile Ndumo, 505 West Avenue, South Africa ~72: Delile Ndumo~

2023/11395 ~ Complete ~54:RARE EARTH-BASED COMPOSITE MINERAL ALGAE-INHIBITING WATER PURIFYING AGENT AND USE METHOD THEREOF ~71:University of Chinese Academy of Sciences, NO.1 Yanqihu East Road, Huairou District, Beijing, People's Republic of China ~72: GONG Chunrong;GUO Zhiwei;LIU Wenjia;WANG Zhibin;YIN Yuting;YU Zhisheng;ZHANG Xiru~

2023/11402 ~ Complete ~54:DETECTING DEVICE FOR THE CARBON SEQUESTRATION CAPACITY OF TREES ~71:Academy of Water Resource Conservation forests of Qilian Mountains in Gansu Province, No.109 Juyan Road, Ganzhou District, Zhangye City, Gansu Province, 734000, People's Republic of China;Western Carbon Sink Trading Asset Management (Gansu) Co., Ltd., No.116 Changshou Street, Ganzhou District, Zhangye City, Gansu Province, People's Republic of China ~72: Dong LV;Erwen XU;Guosheng ZHAO;Hongbin ZHANG;Hu ZHAO;Mengde LIU;Xiaobing XIE;Xingpeng ZHAO;Xuemin DAI;Yingyu WANG~ 33:CN ~31:2023115751657 ~32:23/11/2023

2023/11404 ~ Complete ~54:MOBILE PHONE MANAGEMENT DEVICE FOR STUDENTS ~71:Hunan City University, 518 Yingbin Road, Yiyang City, Hunan Province, People's Republic of China ~72: TAN Xin;TIAN Jinming;XU Liping~

2023/11409 ~ Complete ~54:AN EVALUATION METHOD FOR ANTI-FATIGUE PERFORMANCE OF BRIDGE DECK PAVEMENT STRUCTURE ~71:Henan Communications Planning & Design Institute Co., LTD., No.9 Zeyu Street, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72:

Aoxing ZHANG;Bo YANG;Chenguang WAN;Guangsheng HU;Huixian ZHANG;Jianfei LIU;Shentong GAO;Xiaofeng WANG~

2023/11419 ~ Complete ~54:BIOGAS SLURRY, BIOGAS RESIDUE AND BIOGAS PRODUCTION TANK FOR GRASS PLANTING IN ALPINE PASTURING AREA ~71:SICHUAN PRATACULTURAL TECHNOLOGY RESEARCH AND EXTENSION CENTER, 4-1 Wuhouci Street,, Chengdu, Sichuan, 610000, People's Republic of China ~72: CHENG, Mingjun;HE, Peipei;HUANG, Min;LI, Bo;LI, Hongquan;LIAO, Xiaorong;RONG, Jing;TANG, Weiqi;WU, Wendan;YAN, Lin;YANG, Chuntao;YANG, Tingyong;YAO, Mingjiu~ 33:CN ~31:202210067845.7 ~32:20/01/2022

2023/11424 ~ Complete ~54:AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, 1 Water Street, Globe House, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: MOLONEY, Patrick~ 33:GB ~31:2109225.9 ~32:25/06/2021

2023/11428 ~ Complete ~54:PROCESSES FOR DEHYDROGENATING ALKANE AND ALKYL AROMATIC HYDROCARBONS ~71:ExxonMobil Chemical Patents Inc., 5200 Bayway Drive, BAYTOWN 77520, TX, USA, United States of America ~72: BAO, Xiaoying~ 33:US ~31:63/202,590 ~32:17/06/2021

2023/11443 ~ Complete ~54:A DRILL BIT ~71:DOLLA HOLL DRILLING SERVICES (PTY)LTD, 8 Hoep Hoep Avenue, South Africa ~72: Roelf PetrusHOLL~

2023/11408 ~ Complete ~54:A DETECTION METHOD FOR MULTI-FEATURE DATA OF ASPHALT PAVEMENT ~71:Henan Communications Planning & Design Institute Co., LTD., No.9 Zeyu Street, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Bo YANG;Chenguang WAN;Guangpeng GU;Guangsheng HU;Mingye HOU;Wanting ZHANG;Xiao GUO;Xiaofeng WANG~

2023/11410 ~ Complete ~54:METHOD FOR CONSTRUCTING SUSPENDED DIAPHRAGM AIR DELIVERY DUCT OF HIGHWAY TUNNEL ~71:CHINA RAILWAY 12TH BUREAU GROUP CO., LTD., No 130 Xikuang Street, Taiyuan, People's Republic of China;THE THIRD ENGINEERING CO., LTD. OF CHINA RAILWAY 12TH BUREAU GROUP, No 39, West Line Street, Taiyuan, People's Republic of China ~72: DONG, Shouqiang;GAO, Chen;GAO, Yunlong;LI, Wencan;LI, Zongzhi;LIU, Yuting;MA, Xiping;SHU, Wenjun;WANG, Zhiqiang;XIAN, Yunhua;XIAO, Shuangqing~ 33:CN ~31:2023102970675 ~32:24/03/2023

2023/11415 ~ Complete ~54:REMOVABLE CARTRIDGE CONVEYOR BELT CLEANER ~71:FLEXIBLE STEEL LACING COMPANY, 2525 Wisconsin Avenue, United States of America ~72: SNOW, Joseph;WOOD, Brian~ 33:US ~31:17/344,226 ~32:10/06/2021

2023/11418 ~ Complete ~54:PNEUMATIC VALVE ARRAY, PNEUMATIC SYSTEM, METHOD FOR CONTROLLING A PNEUMATIC SYSTEM, TRAILER AND METHOD FOR MANUFACTURING A PNEUMATIC VALVE ARRAY ~71:INSTITUTO HERCÍLIO RANDON, Estrada Municipal FR 58, s/n, Pavilhão 02, Brazil ~72: BOARETTO, Joel;SCHMITZ, Alessander Specht~ 33:BR ~31:1020210115505 ~32:14/06/2021

2023/11423 ~ Complete ~54:FUSION PROTEIN COMPOSITION(S) COMPRISING MASKED TYPE I INTERFERONS (IFNA AND IFNB) FOR USE IN THE TREATMENT OF CANCER AND METHODS THEREOF ~71:Nammi Therapeutics, Inc., 11111 Santa Monica Blvd., Suite 1700, LOS ANGELES 90025, CA, USA, United States of America ~72: MORRISON, Sherie;STOVER, David;TRIHN, Kham;VASUTHASAWAT, Alex~ 33:US ~31:63/259,105 ~32:18/06/2021

2023/11433 ~ Complete ~54:EXTRACTS FROM FAST GROWING MICROBES ~71:MICROHARVEST GMBH, Kasernenstrasse 12, 21073, Hamburg, Germany ~72: GODARD THIBAULT;RIZK MAZEN~ 33:EP ~31:21180714.4 ~32:21/06/2021

2023/11390 ~ Provisional ~54:A SOLAR PANEL ~71:BAIOCCO, Massimo, 4 TUSCAN PLACE, 138 DYTCHLEY ROAD, KYALAMI, 1684, JOHANNESBURG, SOUTH AFRICA, South Africa ~72: BAIOCCO, Massimo~

2023/11391 ~ Provisional ~54:SCRAPER ASSEMBLY ~71:VISSER, Christiaan Pieter;, 377 Larsens street, South Africa ~72: VAN DER MERWE, Paul Stephanus;VAN ZELM, Zirk;VISSER, Christiaan Pieter;~

2023/11396 ~ Complete ~54:DEVICE AND METHOD FOR QUANTIFYING ADHESION LOSS ~71:Beijing Gong lian Highway Connection Line Co.,Ltd., No.1 Jiuxianqiao Village, Chaoyang District, Beijing, People's Republic of China;Beijing Gonglianjieda Highway Maintenance Co.,Ltd., Floors 1-6, Building 67, No. 26 Waihuan West Road, Fengtai District, Beijing, People's Republic of China ~72: GUO Runhua;LI Shuqing;LIU Lili;QI Yanan;QIU Chuan;WANG Dong;WANG Shengwu;WANG Yujie;WEN Long;YANG Wei;ZENG Hao;ZHAI Lifeng;ZHAI Xueguo;ZHAO Yuhua;ZHOU Dongliang~

2023/11401 ~ Complete ~54:FOREST CARBON SINK METROLOGICAL DETECTION DEVICE ~71:Academy of Water Resource Conservation forests of Qilian Mountains in Gansu Province, No.109 Juyan Road, Ganzhou District, Zhangye City, Gansu Province, 734000, People's Republic of China ~72: Dong LV;Erwen XU;Guosheng ZHAO;Hongbin ZHANG;Hu ZHAO;Jianhai LIU;Xiaobing XIE;Xingpeng ZHAO~ 33:CN ~31:2023115701319 ~32:23/11/2023

2023/11412 ~ Complete ~54:ANTI-PHF-TAU ANTIBODIES AND USES THEREOF ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: BORGERS, Marianne;MALIA, Thomas;MERCKEN, Marc;VAN KOLEN, Kristof~ 33:US ~31:62/472,214 ~32:16/03/2017

2023/11426 ~ Complete ~54:ARTICLES FOR USE WITH NON-COMBUSTIBLE AEROSOL PROVISION DEVICES ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: RICHARDSON, John;TAVERN, Sydney~ 33:GB ~31:2108833.1 ~32:18/06/2021

2023/11427 ~ Complete ~54:IMIDAZOLE-CONTAINING INHIBITORS OF ALK2 KINASE ~71:BioCryst Pharmaceuticals, Inc., 4505 Emperor Blvd., Suite 200, DURHAM 27703, NC, USA, United States of America ~72: BABU, Yarlagadda S.;KOTIAN, Pravin L.;LU, Peng-Cheng;LV, Wei;RAMAN, Krishnan;SPAULDING, Andrew E.;ZHANG, Weihe~ 33:US ~31:63/192,822 ~32:25/05/2021

2023/11430 ~ Complete ~54:CATIONIC LIPIDS AND COMPOSITIONS THEREOF ~71:Generation Bio Co., 301 Binney Street, 4th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: MILSTEAD, Andrew;NOLTING, Birte;STANTON, Matthew G.~ 33:US ~31:63/210,204 ~32:14/06/2021

2023/11400 ~ Complete ~54:LACTOSE-FREE PREBIOTIC LIQUID GOAT MILK AND PREPARATION METHOD THEREOF ~71:Baiyue Goat Dairy (He shui) Guxiang Co., Ltd., North side of Weisi East Road, Heshui County Demonstration Park, Qingyang City, Gansu Province, People's Republic of China;Shaanxi University of Science and Technology, Xi'an Weiyang University Park, Xi'an, Shaanxi Province, People's Republic of China ~72: CUI Xiuxiu;KANG Hongjuan;LIU Zhengxin;SHU Guowei;XU Qinfeng;YAN Xueqian;YIN Chun~

2023/11394 ~ Provisional ~54:LINCOR HOLDINGS (PTY) LTD ~71:1 Wootton Avenue, Botha’s Hill, Hillcrest, South Africa ~72: TURK, MARC TIMOTHY~

2023/11399 ~ Complete ~54:INTEGRATED INTELLIGENT MANAGEMENT AND CONTROL SYSTEM OF SEWAGE AND WATER SYSTEMS ~71:China Northeast Municipal Engineering Design and Research Institute Co., Ltd., 618 Gongnongda Road, Changchun City, Jilin Province, 130021, People's Republic of China ~72: DONG, Yanhong;LIU, Xueyong;YAN, Yu;ZHANG, Yong~

2023/11407 ~ Complete ~54:METHOD FOR RECYCLING FERROUS SULFATE HEPTAHYDRATE AND SULFURIC ACID FROM WASTE ACID IN TITANIUM DIOXIDE PRODUCTION ~71:Panzhihua HaifengXin Chemical Industry Co., Ltd., Vanadium and Titanium Industrial Park, Panzhihua, Sichuan Province, 617064, People's Republic of China ~72: GUO, Hongdan;JIANG, Ge;LIU, Hongjin;MA, Mingjian;XU, Tianlong~ 33:CN ~31:202211598908.8 ~32:14/12/2022

2023/11421 ~ Complete ~54:BLAST CONFIRMATION ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: KRUGER, Michiel Jacobus;MAURISSENS, Daniel August Julien Louis;PETTED, Brian E.;YATES, Marinus~ 33:ZA ~31:2021/04220 ~32:21/06/2021;33:ZA ~31:2022/06185 ~32:03/06/2022

2023/11431 ~ Complete ~54:MACHINE FOR INJECTING EGGS AND METHOD FOR INJECTING AT LEAST ONE FLUID SUBSTANCE INTO EGGS ~71:Egg-Chick Automated Technologies, Rue Alfred Nobel Zone Industrielle du Vern, LANDIVISIAU 29400, FRANCE, France ~72: GUYADER, Jérôme;MENGUY, Florent~ 33:FR ~31:FR2106517 ~32:18/06/2021

2023/11436 ~ Complete ~54:NEAT REACTION PRODUCT OF CALCIUM AND VOLATILE FATTY ACIDS AS NUTRITIONAL SUPPLEMENT FOR LIVESTOCK AND POULTRY ~71:ZINPRO CORPORATION, 10400 VIKING DRIVE, SUITE 240,, EDEN PRAIRIE, MINNESOTA, 55344, United States of America ~72: Jason Bernard WIBBELS;Peter A. STARK~ 33:US ~31:17/304,194 ~32:16/06/2021

2023/11398 ~ Complete ~54:A KIND OF DATA FUSION METHOD, DEVICE AND STORAGE MEDIUM USED FOR STEPPED FREQUENCY RADAR SIGNAL ~71:Central South University, No.932 South Lushan Road, Changsha, Hunan, 410083, People's Republic of China ~72: Bochen WANG;Dongyang LIU;Jianping XIAO;Yu DENG;Zhenwei GUO~

2023/11403 ~ Complete ~54:A METHOD FOR PREDICTING CARBON SINK OF ARTIFICIAL FOREST ~71:Academy of Water Resource Conservation forests of Qilian Mountains in Gansu Province, No.109, Juyan Road, Ganzhou District, Zhangye City, Gansu Province, 734000, People's Republic of China;Climate Bridge (Shanghai) Ltd., Room 609, Building 1, No. 388 Muhua North Road, Fengxian District, Shanghai City, People's Republic of China ~72: Erwen XU;Hongbin ZHANG;Keming LIN;Lijiao HU;Ming ZHAO;Shanfeng HUANG;Xingpeng ZHAO;Xiwei ZHANG;Zhaorui NI;Zhiwen GAO~ 33:CN ~31:2023115701361 ~32:23/11/2023

2023/11434 ~ Complete ~54:POLYESTER IMPACT MODIFIERS ~71:DANIMER IPCO, LLC, 140 Industrial Boulevard Bainbridge, Georgia, 39817, United States of America ~72: AME MATTHEW TERWILLEGAR;KARSON DURIE;MANGALDEEP KUNDU~ 33:US ~31:63/188,668 ~32:14/05/2021;33:US ~31:17/744,109 ~32:13/05/2022

2023/11386 ~ Provisional ~54:SHOCK ABSORBENT CRUTCHES AND WALKING STICKS S.A.C.A.W.S ~71:MR. SEAN KENNETH SWART, 235 HOLWORTHY AVENUE, EERSTERUST, South Africa ~72: SEAN KENNETH SWART~

2023/11393 ~ Provisional ~54:WEARABLE SLEEPING GARMENT ~71:MAMAS TOUCH SLEEPING AIDS (PTY) LTD., 2050 Mirabel Crescent, Dainfern Valley Estate, Johannesburg 2191, Gauteng, SOUTH AFRICA, South Africa ~72: HENNING, Shannon~

2023/11405 ~ Complete ~54:A MOBILE CARBON SINK MEASURING DEVICE ~71:Academy of Water Resource Conservation forests of Qilian Mountains in Gansu Province, No.109, Juyan Road, Ganzhou District, Zhangye City, Gansu Province, 734000, People's Republic of China;Climate Bridge (Shanghai) Ltd., Room 609, Building 1, No. 388 Muhua North Road, Fengxian District, Shanghai City, People's Republic of China;Western Carbon Sink Trading Asset Management (Gansu) Co., Ltd., No.116 Changshou Street, Ganzhou District, Zhangye City, Gansu

Province, People's Republic of China ~72: Dong LV;Erwen XU;Hongbin ZHANG;Hu ZHAO;Mengde LIU;Ming ZHAO;Xiaohu YANG;Xingpeng ZHAO;Yanxia WANG;Zhiwen GAO~ 33:CN ~31:2023115701395 ~32:23/11/2023

2023/11425 ~ Complete ~54:METHODS FOR TREATING OBSTRUCTIVE SLEEP APNEA ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BUNCK, Mathijs Christiaan Michael~ 33:US ~31:63/214,975 ~32:25/06/2021

2023/11438 ~ Provisional ~54:ROTATIONAL MOULDING MACHINE ~71:MARIUS DEON SMIT, 76 DE WET STREET, South Africa ~72: MARIUS DEON SMIT~

2023/11406 ~ Complete ~54:A FORCED FLAMEOUT DEVICE AND METHOD FOR ENGINE FUEL CONSUMPTION MONITORING OF SPEEDBOAT ~71:Jiamusi University, No.258 Xuefu St., Jiamusi, Heilongjiang, 154007, People's Republic of China ~72: Ruxin HOU~

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2023/11492 ~ Complete ~54:PROCESS FOR THE PRODUCTION OF KRAFT PULP FROM HARDWOOD AND SOFTWOOD MIXTURES, KRAFT PULP OBTAINED BY THE PROCESS AND PAPER PRODUCTS PRODUCED FROM THE PULP ~71:RAIZ - INSTITUTO DE INVESTIGAÇÃO DA FLORESTA E PAPEL, Quinta De S. Francisco Rua José Estevão, Portugal ~72: ANDREIA ALVES ALMEIDA, Cátia;CRISTINA DE OLIVEIRA RODRIGUES PINTO, Paula;DE PASCOAL NETO, Carlos;ISABEL GOMES SOARES, Belinda~ 33:PT ~31:PT117273 ~32:07/06/2021

2023/11442 ~ Provisional ~54:AN ELECTRICALLY DRIVEN ROLLER SHUTTER SYSTEM FOR A VEHICLE ~71:SECURI-LID (PTY) LTD., 255 Grahamstown Road, Gate 5, Watt Street, Deal Party, PORT ELIZABETH 6012, Eastern Cape Province, SOUTH AFRICA, South Africa ~72: ROBERTS, Bryndan Hugh~

2023/11473 ~ Complete ~54:HEPCIDIN MIMETICS FOR TREATMENT OF HEREDITARY HEMOCHROMATOSIS ~71:Protagonist Therapeutics, Inc., 7707 Gateway Boulevard, Suite 140, NEWARK 94560, CA, USA, United States of America ~72: GUPTA, Suneel Kumar;LIU (Deceased), David Y.;MODI, Nishit Bachulal;VALONE, Frank Horace~ 33:US ~31:63/210,453 ~32:14/06/2021;33:US ~31:63/252,001 ~32:04/10/2021;33:US ~31:63/349,841 ~32:07/06/2022

2023/11479 ~ Complete ~54:PROTEASE INHIBITORS AS ANTIVIRALS ~71:ACEA THERAPEUTICS, INC., 9380 Judicial Drive, San Diego, California, 92121, United States of America ~72: CAN JIN;LONG MAO;NAMIR SHAABANI;XIAO XU~ 33:US ~31:63/195,930 ~32:02/06/2021;33:US ~31:63/275,113 ~32:03/11/2021

2023/11481 ~ Complete ~54:QUENCHING APPARATUS AND METHOD FOR BOTTLE-TYPE CONTAINER FOR THICK-WALL STATION ~71:SINOMA SCIENCE & TECHNOLOGY (SUZHOU) CO., LTD., No. 68 Changyang Street, Suzhou Industrial Park, Suzhou, Jiangsu, 215000, People's Republic of China ~72: LIMIN WANG;LONG WANG;YANFEI CHEN;YANHUI WANG~ 33:CN ~31:202110525684.7 ~32:14/05/2021

2023/11475 ~ Complete ~54:ARTICLE FOR USE IN A NON-COMBUSTIBLE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: CAMBELL, Jeremy;DIMMICK, Barry;FAHIM ASHRAF, Muhammad;HEPWORTH, Richard;HODGSON, Matthew;TAYLOR, Benjamin~ 33:GB ~31:2108763.0 ~32:18/06/2021;33:GB ~31:2116799.4 ~32:22/11/2021

2023/11477 ~ Complete ~54:COMPONENT FOR USE WITH A NON-COMBUSTIBLE AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED

KINGDOM, United Kingdom ~72: HEPWORTH, Richard;HODGSON, Matthew~ 33:GB ~31:2108834.9 ~32:18/06/2021

2023/11484 ~ Complete ~54:OPTIMIZED ANTI-FLT1 OLIGONUCLEOTIDE COMPOUNDS FOR TREATMENT OF PREECLAMPSIA AND OTHER ANGIOGENIC DISORDERS ~71:BETH ISRAEL DEACONESS MEDICAL CENTER, INC., 330 Brookline Avenue, Boston, Massachusetts, 02205, United States of America;UNIVERSITY OF MASSACHUSETTS, One Beacon Street, 31st Floor, Boston, Massachusetts, 02108, United States of America ~72: ANANTH KARUMANCHI;ANASTASIA KHVOROVA;ANNABELLE BISCANS;SARAH DAVIS;VIGNESH NARAYAN HARIHARAN~ 33:US ~31:63/214,224 ~32:23/06/2021

2023/11487 ~ Complete ~54:MACHINE-LEARNING MODEL FOR RECALIBRATING NUCLEOTIDE-BASE CALLS ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: DEJONG, Antoine Jean;PARNABY, Gavin Derek;VISVANATH, Arun~ 33:US ~31:17/384,423 ~32:23/07/2021

2023/11489 ~ Complete ~54:METHODS AND COMPOSITIONS FOR COMBINATORIAL INDEXING OF BEAD-BASED NUCLEIC ACIDS ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: BROWN, Colin;HARRINGTON, Timothy;MANZO, Andrea;NORBERG, Steven~ 33:US ~31:63/214,693 ~32:24/06/2021

2023/11493 ~ Complete ~54:TREATMENT OF WATER TO REMOVE CYANOBACTERIA ~71:UNIVERSITY OF VENDA, University Road, South Africa ~72: GUMBO, Jabulani Ray;PANDELANI, Vusani;TAVENGWA, Nikita Tawanda~

2023/11446 ~ Complete ~54:COMPOSITE ROCK BOLT ~71:VALOTECH 181 CC, NO. 159C WRIGHT ROAD, NUFFIELD, SPRINGS, 1560, SOUTH AFRICA, South Africa ~72: DAVIES, Craig, David;DAVIES, Gordon, Daniel~ 33:ZA ~31:2022/10800 ~32:30/09/2022

2023/11463 ~ Complete ~54:PROCESSES FOR PRODUCING GRANULAR COPPER ~71:DESTINY COPPER INC., 22 Cheritan Court, St. Catharines, Canada ~72: BRINDLE, Ian David;SHEEPWASH, Molina Audrey Lorraine~ 33:US ~31:63/202,486 ~32:14/06/2021

2023/11474 ~ Complete ~54:PYRIDOPYRIMIDINE DERIVATIVES USEFUL AS WEE1 KINASE INHIBITORS ~71:Aprea Therapeutics, Inc., 3805 Old Easton Road, DOYLESTOWN 18902, PA, USA, United States of America ~72: GILAD, Oren;VACCA, Joseph~ 33:US ~31:63/196,744 ~32:04/06/2021

2023/11476 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TARGETING PD-L1 ~71:Aligos Therapeutics, Inc., 1 Corporate Drive, 2nd Floor, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: DEVAL, Jerome;GONZALVEZ, Francois;LIU, Cheng;MCGOWAN, David;RABOISSON, Pierre Jean-Marie Bernard;STOYCHEVA, Antitsa Dimitrova;WU, Tongfei~ 33:US ~31:63/212,388 ~32:18/06/2021;33:US ~31:63/263,427 ~32:02/11/2021;33:US ~31:63/363,777 ~32:28/04/2022

2023/11478 ~ Complete ~54:ANTI-FROST PROTEIN-BASED PLANT PROTECTION AGENTS ~71:Globachem NV, Brustem Industriepark, Lichtenberglaan 2019, SINT-TRUIDEN 3800, BELGIUM, Belgium ~72: VAN DAELE, Guy;VOGELS, Liesbeth~ 33:EP ~31:21179554.7 ~32:15/06/2021

2023/11483 ~ Complete ~54:RECOMBINANT PROTEIN PRODUCTION ~71:LEAF EXPRESSION SYSTEMS LIMITED, Building 7, Zone 2, Norwich Research Park, Colney Lane, Colney, Norwich Norfolk, NR4 7UJ, United Kingdom ~72: ALBOR DOBON ALONSO;NICHOLAS JOHN HOLTON~ 33:GB ~31:2107598.1 ~32:27/05/2021

2023/11485 ~ Complete ~54:METHOD AND SYSTEM FOR A BID MANAGEMENT PLATFORM FOR FACILITATING PROPERTY TRANSACTIONS ~71:FINAL OFFER LLC, 18 Shipyard Drive Suite 3A, Hingham,

Massachusetts, 02043, United States of America ~72: JERKO DANKO FATOVIC;JUDD HOFFMAN;KEVIN CAULFIELD;TIM QUIRK~ 33:US ~31:63/191,529 ~32:21/05/2021

2023/11490 ~ Complete ~54:CONTINUOUS SAMPLING DRILL BIT ~71:VERACIO LTD., 2455 South 3600 West, United States of America ~72: BRUBACHER, Adrian;CORONA, Robert Andrew;RAVELLA, Michael~

2023/11439 ~ Provisional ~54:A VALVE MECHANISM FOR A TAP ~71:LINCOR HOLDINGS (PTY) LTD, 1 Wootton Avenue, Botha's Hill, Hillcrest, South Africa ~72: TURK, MARC TIMOTHY~

2023/11447 ~ Complete ~54:A HIGH-PERFORMANCE CALCIUM TITANATE-TYPE LA2NIO4 ELECTRODE MATERIAL, ITS PREPARATION METHOD, AND APPLICATION. ~71:Bengbu University, 1866 Caoshan Road, Bengbu City, Anhui Province, 233030, People's Republic of China ~72: Hu Tong;Jin Xiaoqi;Ma Jiayu;Xiong Mingwen~ 33:CN ~31:2023115701408 ~32:23/11/2023

2023/11451 ~ Complete ~54:HEAT DISSIPATION BACKSHEET FOR PHOTOVOLTAIC MODULES ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: LI Wei;ZHANG Renqi~

2023/11462 ~ Complete ~54:A WELDING METHOD ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Alexis CHIOCCA;Zhifen WANG~ 33:IB ~31:PCT/IB2021/056661 ~32:23/07/2021

2023/11464 ~ Complete ~54:DIGITAL PARTICLE ANALYSIS ~71:SIKA TECHNOLOGY AG, ZUGERSTRASSE 50, CH-6340 BAAR, SWITZERLAND, Switzerland ~72: APEH, Christopher;KUNDRA, Milan;LINDLAR, Benedikt;LISKA, Martin;MARAZZINI, Oscar;OBST, Stefan;RIEGER, Carsten;VELTEN, Ulf;VOGELSANG, Jörg;VORWERK, Michael;WEINKAUF, Annette;ZIMMERMANN, Jörg~ 33:EP ~31:PCT/EP2021/065367 ~32:08/06/2021;33:EP ~31:22153044.7 ~32:24/01/2022

2023/11445 ~ Complete ~54:A METHOD TO IMPROVE THE CUTTAGE BREEDING EFFICIENCY OF 'HANCE' ~71:Turpan Research Institute of Agricultural Sciences, Xinjiang Academy of Agricultural Sciences., No.845 of Munar Road, Gaochang District, Turpan, Xinjiang, 838000, People's Republic of China ~72: Abulaike Niyazi;FuchunZhang;Guohong Liu;Haixia Zhong;Hanming Su;Hongwei Yang;Jiuyun Wu;Riziwangguli Abudureheman;Xinyu Wu;Xiping Wang;Yaning Ma;Yanjun Xu;Zhigang Liu~

2023/11440 ~ Provisional ~54:A SWAB STICK ~71:NUCLEOLIFE LABORATORY (PTY) LTD, Unit 6 Kerin Anne, 40 Frans Hals Street, Petervale, South Africa ~72: VAN DER MERWE, Johanna Margaretha;VAN ROOYEN, Leunis~

2023/11449 ~ Complete ~54:NOVEL MULTIFUNCTIONAL OUTDOOR PROTECTIVE CLOTHING ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: LI Haoying~

2023/11454 ~ Complete ~54:BLOOD SAMPLE COLLECTING BOX FOR ANIMAL EPIDEMIC DISEASE DETECTION ~71:Gansu Agricultural University, No.1 Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730000, People's Republic of China ~72: Ma Shuxin;Zhang Furong;Zhao Yu~ 33:CN ~31:202323121888.8 ~32:20/11/2023

2023/11458 ~ Complete ~54:ORAL FORMULATION CONTAINING 1-(3-CYANO-1-ISOPROPYL-INDOL-5-YL)PYRAZOLE-4-CARBOXYLIC ACID ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: JANG, Joomyung;KIM, Ree Sun;SEO, Jin A;YOO, Seok Cheol~ 33:KR ~31:10-2021-0078801 ~32:17/06/2021

2023/11494 ~ Provisional ~54:WATER TANK STOP VALVE ~71:Nelson Peikara Phasha, 50 Cotton Club, Caribbean Beach, Kosmos,, South Africa ~72: Nelson Peikara Phasha~

2023/11450 ~ Complete ~54:SELF-CLEANING PHOTOVOLTAIC MODULE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: LI Wei;LIU Zhiqing~

2023/11466 ~ Complete ~54:RETAINER SLEEVE WITH AN ANTI-ROTATION FEATURE ~71:CATERPILLAR INC., 100 NE Adams Street – AH9510, United States of America ~72: JURA, Jason;SERRURIER, Douglas C.;WELLS, Corey~ 33:US ~31:17/304,263 ~32:17/06/2021

2023/11488 ~ Complete ~54:LONG-ACTING DUAL GIP/GLP-1 PEPTIDE CONJUGATES AND METHODS OF USE ~71:THE SCRIPPS RESEARCH INSTITUTE, 10550 North Torrey Pines Road, United States of America ~72: AMSO, Zaid;SCHULTZ, Peter G.;SHEN, Weijun~ 33:US ~31:63/208,952 ~32:09/06/2021

2023/11491 ~ Complete ~54:MODIFICATION OF HECT E3 UBIQUITIN LIGASE GENES TO IMPROVE YIELD TRAITS ~71:PAIRWISE PLANTS SERVICES, INC., 807 East Main Street, Suite 4-100, Durham, United States of America ~72: KIM, HaeJin;MARRI, Pradeep Reddy;MATHEW, Lolita George~ 33:US ~31:63/214,498 ~32:24/06/2021

2023/11469 ~ Complete ~54:SUBSTITUTED HETEROCYCLIC COMPOUNDS ~71:Bristol-Myers Squibb Company, Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: KEMPSON, James;LAKKARAJU, Sirish Kaushik;MERTZMAN, Michael Edward;MOSLIN, Ryan M.;POSY, Shoshana L.;SPERGEL, Steven H.;TINO, Joseph A.;XIAO, Zili~ 33:US ~31:63/188,498 ~32:14/05/2021;33:US ~31:63/318,149 ~32:09/03/2022

2023/11471 ~ Complete ~54:SUSPENSION ASSEMBLY ~71:Gripple Limited, The Old West Gun Works, Savile Street East, SHEFFIELD S4 7UQ, SOUTH YORKSHIRE, UNITED KINGDOM, United Kingdom ~72: BARNES, Samuel~ 33:GB ~31:2110316.3 ~32:19/07/2021;33:GB ~31:2204338.4 ~32:28/03/2022;33:GB ~31:2210130.7 ~32:11/07/2022

2023/11482 ~ Complete ~54:DECODING METHOD AND APPARATUS, CODING METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM ~71:HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD., No.555, Qianmo Road, Binjiang District, Hangzhou, 310051, People's Republic of China ~72: FANGDONG CHEN;LI WANG;XIAOQIANG CAO~ 33:CN ~31:202110739455.5 ~32:30/06/2021

2023/11452 ~ Complete ~54:A FINANCIAL MANAGEMENT METHOD AND SYSTEM ~71:Langfang Normal University, No.100, Aimin West Road, Anci District, Langfang City, Hebei Province, 065000, People's Republic of China ~72: Chunfeng ZHANG;Fei GAO;Ying Chen~

2023/11456 ~ Complete ~54:A METHOD FOR CONSTRUCTING A GLOMERULAR DISEASE CLASSIFICATION AND DIAGNOSIS MODEL BASED ON URINE SAMPLE HYPERSPECTRAL IMAGES ~71:Jinan Authority Hospital, No. 152 Weier Road, Shizhong District, Jinan City, Shandong Province, 250001, People's Republic of China;Shandong First Medical University, No. 619 Changcheng Road, Daiyue District, Taian City, Shandong Province, 271016, People's Republic of China;The First Affiliated Hospital of Shandong First Medical University(Shandong Provincial Qianfoshan Hospital), No. 16766 Jingshi Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: Mengyu Wu;Ruiyang Wang;Wen Liu;Wenqiang Zhang;Xiangyu Hou;Yang Li;Yuzhen Shi;Zunsong Wang~ 33:CN ~31:202310961156.5 ~32:01/08/2023

2023/11459 ~ Complete ~54:METHOD AND SYSTEM FOR THE IDENTIFICATION OF OPTIMIZED TREATMENT CONDITIONS FOR TREATING CELLS WITH ELECTRIC PULSES ~71:BÜHLER AG,

GUPFENSTRASSE 5, 9240 UZWIL, SWITZERLAND, Switzerland ~72: BUCHMANN, Leandro~ 33:EP ~31:21180081.8 ~32:17/06/2021

2023/11468 ~ Complete ~54:METHODS AND COMPOSITIONS FOR ENHANCING ROOT SYSTEM DEVELOPMENT ~71:PAIRWISE PLANTS SERVICES, INC., 807 East Main Street, Suite 4-100, Durham, United States of America ~72: MOJICA, Julius~ 33:US ~31:63/217,332 ~32:01/07/2021

2023/11472 ~ Complete ~54:ANTI CANINE CD20 ANTIBODIES ~71:PetMedix Ltd, The Glenn Berge Building, Building 940, Babraham Research Campus, Babraham, CAMBRIDGE CB22 3FH , CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BOLLAND, Daniel;BRADLEY, Allan;SUTAVANI, Ruhcha Vijay;WANG, Juexuan~ 33:GB ~31:2108677.2 ~32:17/06/2021;33:GB ~31:2202635.5 ~32:25/02/2022

2023/11480 ~ Complete ~54:THERAPEUTIC PHARMACEUTICAL COMPOSITION FOR BONE AND SOFT TISSUE TUMORS ~71:SURV BIOPHARMA INC., c/o KAGOSHIMA UNIVERSITY Graduate School of Medical and Dental Sciences, 8-35-1, Sakuragaoka, Kagoshima-shi, Kagoshima, 8908544, Japan ~72: KEN-ICHIRO KOSAI;SATOSHI NAGANO;TOSHITAKA FUTAGAWA~ 33:JP ~31:2021-084823 ~32:19/05/2021

2023/11486 ~ Complete ~54:SIGNAL-TO-NOISE-RATIO METRIC FOR DETERMINING NUCLEOTIDE-BASE CALLS AND BASE-CALL QUALITY ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: KAGALWALLA, Abde Ali;MEHIO, Rami;OJARD, Eric Jon;UDPA, Nitin;VIECELI, John S.~ 33:US ~31:63/216,401 ~32:29/06/2021

2023/11453 ~ Complete ~54:EXPANDABLE PLANT CONTAINER ~71:LESLIE BECKER, 60 Rooikat Road, Valley Settlements, South Africa ~72: LESLIE BECKER~ 33:ZA ~31:2022/11188 ~32:13/10/2022

2023/11457 ~ Complete ~54:IMPROVED BIOTECHNOLOGICAL METHOD FOR PRODUCING GUANIDINO ACETIC ACID (GAA) BY INACTIVATION OF AN AMINO ACID EXPORTER ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: BATHE, Brigitte;JANKOWITSCH, Frank;MARIN, Kay;SCHNEIDER, Frank~ 33:EP ~31:21175138.3 ~32:21/05/2021;33:EP ~31:21208485.9 ~32:16/11/2021

2023/11460 ~ Complete ~54:USE OF THERAPEUTIC COMPOSITIONS FOR THE TREATMENT OF PATIENTS WITH TUMOURS OF EPITHELIAL ORIGIN ~71:CENTRO DE INMUNOLOGÍA MOLECULAR, CALLE 216 ESQ. 15, ATABEY, PLAYA, LA HABANA, HABANA 11 300, CUBA, Cuba;INNOVATIVE IMMUNOTHERAPY ALLIANCE S.A., ZONA A3 DE LA ZONA ESPECIAL DE DESARROLLO MARIEL, MARIEL, ARTEMISA, 32100, CUBA, Cuba ~72: CROMBET RAMOS, Tania;DY, Grace;EVANS, Rachel;HUTSON, Alan;JOHNSON, Candace;LEÓN MONZÓN, Kalet;LEE, Kelvin;LORENZO-LUACES ÁLVAREZ, Patricia;MAZORRA HERRERA, Zaima;MESA PARDILLO, Circe;MUHITCH, Jason;REID, Mary;SAAVEDRA HERNÁNDEZ, Danay~ 33:CU ~31:2021-0045 ~32:26/05/2021

2023/11467 ~ Complete ~54:PHYTASE VARIANTS ~71:AB ENZYMES OY, Tykkimäentie 15b, Finland ~72: AHOLA, Pihla;BENSON, Sven;JUNTUNEN, Kari;KÜHN, Imke;LORENZ, Lenz;METZGER, Tara;PALOHEIMO, Marja;PURANEN, Terhi~ 33:EP ~31:21186223.0 ~32:16/07/2021;33:EP ~31:21186231.3 ~32:16/07/2021

2023/11470 ~ Complete ~54:VACUUM TOILET AND VACUUM TANK FOR A VACUUM TOILET ~71:EOOS NEXT GmbH, Zelinkagasse 2/6, WIEN 1010 , AUSTRIA, Austria ~72: ESTRADA LEÓN, Oscar;FIERMONTE, Federico;GRUENDL, Harald;SAMPL, Georg~ 33:AT ~31:A 50475/2021 ~32:14/06/2021

2023/11444 ~ Complete ~54:INTEGRATED LEG CIRCUMFERENCE MEASURING RULER DEVICE FOR DEEP VENOUS THROMBOSIS ~71:Quzhou People’s Hospital, No. 100, Minjiang Street, Kecheng Dist., Quzhou, Zhejiang, People's Republic of China ~72: Dagang Yu;Lingling Yu;Sufang Ye;Wei Lu;Xinmei Zhang~

2023/11448 ~ Complete ~54:METHOD FOR PREPARING MULLITE POROUS CERAMICS USING LITHIUM SLAGS AND MULLITE POROUS CERAMICS AND APPLICATION THEREOF ~71:Northwestern Polytechnical University, 127 West Youyi Road, Xi'an City, Shaanxi Province, 710072, People's Republic of China ~72: GAO, Feng;LIN, Lang;MENG, Xuanyu;WANG, Hengchang;XU, Jie;YANG, Runwu~ 33:CN ~31:202211614175.2 ~32:15/12/2022

2023/11455 ~ Complete ~54:PHOBR AND KDPE GENE DELETION STRAINS, REPLACEMENT STRAINS AND CONSTRUCTION METHODS AND APPLICATIONS OF AEROMONAS DHAKENSIS FROM CROCODILES ~71:Hainan University, No. 58, Renmin Avenue, Meilan District, Haikou City, Hainan Province, 580228, People's Republic of China ~72: Guiying Guo;Jifeng Zeng;Jiping Zheng;Lixia Fan;Nuo Yang;Xuesong Li~ 33:CN ~31:202311237566.1 ~32:22/09/2023

2023/11461 ~ Complete ~54:ENVIRONMENT-FRIENDLY FLAME-RETARDANT RUBBER COMPOSITE WITH HIGH WEATHERABILITY AND MANUFACTURING METHOD THEREFOR ~71:ANHUI ZHONGYI RUBBER BELTS CO., LTD, No.157, East Huaihai Road, Economic Development Zone,, Huaibei,Anhui, 235047, People's Republic of China ~72: DOU, Mianyong;SONG, Changjiang;SONG, Xin;WANG, Jian;WANG, Jin;WEI, Xuemei;YUAN, Luhai;ZHANG, Yan;ZHOU, Zhenyu~ 33:CN ~31:202211653891.1 ~32:22/12/2022

2023/11465 ~ Complete ~54:A POWER MANAGEMENT SYSTEM FOR A BATTERY-OPERATED VEHICLE AND A METHOD OF OPERATING THE SAME ~71:MAGNOLIA GROUP, LLC, 76278 STAFFORD ROAD, COVINGTON, LOUISIANA 70435, USA, United States of America ~72: MILLER, Mark, Adam~ 33:US ~31:63/196,740 ~32:04/06/2021;33:US ~31:17/515,900 ~32:01/11/2021

2023/11441 ~ Provisional ~54:A BRAKE SYSTEM FOR HEAVY DUTY VEHICLES HAVING BOTH A SERVICE BRAKE AND FAIL-SAFE BRAKE ~71:PAULUS JOHANNES AUCAMP, 4 Platberg Street, Aerorand, South Africa ~72: PAULUS JOHANNES AUCAMP~

2023/11495 ~ Provisional ~54:CISTERNBASIN ~71:Raphael S.T. KOOPMAN, 64 River Crescent, South Africa ~72: Raphael S.T. Koopman~ 33:ZA ~31:1 ~32:30/11/2023

. - APPLIED ON 2023/12/14 -

2023/11497 ~ Provisional ~54:METHOD AND MEANS FOR PROCESSING VEGETABLE PLANT MATERIAL ~71:STONE TREE INTERNATIONAL LIMITED, 71-75 Shelton Street, Convent Garden, United Kingdom ~72: Paul Bertus HAYES;Timothy John BOND~

2023/11499 ~ Complete ~54:A MOBILE SLOPE BOLT DRILLING EQUIPMENT ~71:China Railway NO.3 Engineering Group Co., Ltd., No.269 Yingze Street, Yingze District, Taiyuan, Shanxi, People's Republic of China;China Railway Third Group No.2 Engineering Co., Ltd., No.269 Yingze Street, Yingze District, Taiyuan, Shanxi, People's Republic of China ~72: Bingbing Chen;Chenghong Liu;Guoqing Chen;Jianghui Zhang;Shuang He;Xuelei Li;Yongchuan Deng;Yubo Chen~ 33:CN ~31:2023107510860 ~32:25/06/2023

2023/11506 ~ Complete ~54:HYBRIDIZATION METHOD FOR OAT WITHOUT CUTTING GLUME AND APPLICATION THEREOF ~71:Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences, No. 22, Zhaojun Road, Yuquan District, Hohhot City, Inner Mongolia Autonomous Region, 010031, People's Republic of China ~72: CUI, Siyu;FU, Xiaofeng;LIU, Junqing;YANG, Haishun;ZHANG, Zhifen~ 33:CN ~31:202310334496.5 ~32:31/03/2023

2023/11508 ~ Complete ~54:METHOD AND APPARATUS FOR PRODUCING HIGH PURITY SPHERICAL METALLIC POWDERS AT HIGH PRODUCTION RATES FROM ONE OR TWO WIRES ~71:PYROGENESIS

CANADA INC., 1744 rue William Suite 200 Montréal, Canada ~72: CARABIN, Pierre;DORVAL DION, Christopher, Alex;PROULX, François~

2023/11510 ~ Complete ~54:DYNAMIC MODELER ~71:HAMZE, Hayssam, Daressa, Unit 901, Level 9, Reef Tower, United Arab Emirates ~72: HAMZE, Hayssam~ 33:US ~31:16/835,066 ~32:30/03/2020;33:US ~31:16/919,764 ~32:02/07/2020;33:US ~31:17/129,808 ~32:21/12/2020;33:US ~31:17/191,656 ~32:03/03/2021;33:US ~31:17/216,397 ~32:29/03/2021

2023/11520 ~ Complete ~54:WALL PANEL FOR FORMING A WALL COVERING WITH MULTIPLE PANELS ~71:I4F LICENSING NV, Industriedijk 19, Belgium ~72: BOUCKÉ, Eddy Alberic~ 33:NL ~31:2028616 ~32:02/07/2021;33:NL ~31:2028675 ~32:09/07/2021

2023/11522 ~ Complete ~54:MULTI-PURPOSE TILE SYSTEM, TILE COVERING, AND TILE ~71:I4F LICENSING NV, Industriedijk 19, Belgium ~72: BOUCKÉ, Eddy Alberic;DEVOS, Pieter Renaat Karel~ 33:NL ~31:2028776 ~32:19/07/2021

2023/11525 ~ Complete ~54:ISOLATED BISPECIFIC ANTIBODY THAT SPECIFICALLY BINDS TO CD47 AND PD-L1 ~71:JOINT STOCK COMPANY "BIOCAD", pomeshch. 89, str. 1, d. 38, ul. Svyazi, the Settlement of Strelna, Intracity Municipality the Settlement of Strelna, Russian Federation ~72: AZARIAN, Aleksandra Dmitrievna;DORONIN, Aleksandr Nikolaevich;GORDEEV, Aleksandr Andreevich;LEGOTSKY, Sergey Aleksandrovich;MISORIN, Alexey Konstantinovich;MOROZOV, Dmitry Valentinovich;SABIROV, Artur Khamidovich;SOLOVYEV, Valery Vladimirovich;VODOPYANOVA, Tatyana Andreevna~ 33:RU ~31:2021118025 ~32:21/06/2021

2023/11500 ~ Complete ~54:ADJUSTABLE PHOTOVOLTAIC SOLAR POWER GENERATION DEVICE ~71:Zhengzhou University, No.100, Kexue Avenue, High-tech Development Zone, Zhongyuan District, Zhengzhou City, Henan Province, People's Republic of China ~72: DONG Zhaofeng;DU Yabing;GUO Junji;LI Wei;LI Zhe;LIU Le;LIU Yuxiao;LIU Zhiqing;SUN Peisheng;WANG Chaoyong;WANG Kai;XU Huafeng;ZHANG Huiyuan~

2023/11503 ~ Complete ~54:DYNAMIC MODELER ~71:HAMZE, Hayssam, Daressa, Unit 901, Level 9, Reef Tower, United Arab Emirates ~72: HAMZE, Hayssam~ 33:US ~31:16/835,066 ~32:30/03/2020;33:US ~31:16/919,764 ~32:02/07/2020;33:US ~31:17/129,808 ~32:21/12/2020;33:US ~31:17/191,656 ~32:03/03/2021;33:US ~31:17/216,397 ~32:29/03/2021

2023/11521 ~ Complete ~54:METHODS FOR TREATING NON-MUSCLE INVASIVE BLADDER CANCER (NMIBC) WITH ANTIBODY DRUG CONJUGATES (ADC) THAT BIND TO 191P4D12 PROTEINS ~71:AGENSYS, INC., 2375 Waterview Drive Northbrook, United States of America;SEAGEN INC., 21823 30th Drive S.E. Bothell, United States of America ~72: CAROSINO, Christopher;GARG, Amit;NARAYANAN, Sujata~ 33:US ~31:63/233,048 ~32:13/08/2021;33:US ~31:63/242,380 ~32:09/09/2021;33:US ~31:63/328,441 ~32:07/04/2022

2023/11526 ~ Complete ~54:CONVEYOR IDLERS REPLACEMENT SYSTEM ~71:Conveyor Dynamics, Inc., 3633 Alderwood, BELLINGHAM 98225, WA, USA, United States of America ~72: JENNINGS, Andrew;LAWSON, Bradley;PORTER, Brandt~ 33:US ~31:63/218,147 ~32:02/07/2021

2023/11528 ~ Complete ~54:TNFSF-L FUSION PROTEINS AND USES THEREOF ~71:KaliVir Immunotherapeutics, Inc., 240 Alpha Drive, PITTSBURGH 15238, PA, USA, United States of America ~72: THORNE, Stephen Howard;ZHANG, Mingrui~ 33:US ~31:63/211,766 ~32:17/06/2021

2023/11516 ~ Complete ~54:USES OF ANTI-ICOS ANTIBODIES ~71:KYMAB LIMITED, The Bennet Building (B930), Babraham Research Campus, United Kingdom ~72: HOLMES, Rosalind;SAINSON, Richard Charles Alfred~ 33:US ~31:63/190,016 ~32:18/05/2021

2023/11532 ~ Complete ~54:SYNTHETIC PREPARATION FOR DIROXIMEL FUMARATE ~71:Biogen MA Inc., 225 Binney Street, CAMBRIDGE 02142, MA, USA, United States of America ~72: BUCHER, Janina;FEI, Chao;GROHMANN, Markus;IRDAM, Erwin;KWOK, Daw-long Albert;MOHR, Jens;WALKER, Donald~ 33:US ~31:63/210,660 ~32:15/06/2021

2023/11496 ~ Provisional ~54:PROPERTY DATA PROCESSING ~71:TERBLANCHE, Alissa Agneta, 1 Bryanston Drive, South Africa ~72: TERBLANCHE, Alissa Agneta~

2023/11540 ~ Complete ~54:ARTICLE FOR USE IN A NON-COMBUSTIBLE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, GREATER LONDON, UNITED KINGDOM, United Kingdom ~72: TAYLOR, Benjamin~ 33:GB ~31:2108772.1 ~32:18/06/2021

2023/11498 ~ Complete ~54:A COMBINED CONSTRUCTION METHOD OF STEEL TRESTLE, STEEL WORKING PLATFORM AND STEEL SHEET PILE COFFERDAM ~71:China Railway NO.3 Engineering Group Co., Ltd., No.6 Jianming North Road, Chang 'an District, Shijiazhuang, Hebei, People's Republic of China;China Railway Third Group No.2 Engineering Co., Ltd., No.6 Jianming North Road, Chang 'an District, Shijiazhuang, Hebei, People's Republic of China ~72: Chenghong Liu;Haibo Zhao;Jianjun Guo;Liang Ma;Xuelei Li;Yingmei Wang;Yubo Chen~ 33:CN ~31:202310291491.9 ~32:23/03/2023

2023/11513 ~ Complete ~54:LATER-FUSION MULTIPLE KERNEL CLUSTERING MACHINE LEARNING METHOD AND SYSTEM BASED ON PROXY GRAPH IMPROVEMENT ~71:ZHEJIANG NORMAL UNIVERSITY, 688 Yingbin Road, Jinhua, People's Republic of China ~72: LI, Miaomiao;LIANG, Weixuan;XU, Huiying;YIN, Jianping;ZHAO, Jianmin;ZHU, Xinzhong~ 33:CN ~31:202110607669.7 ~32:01/06/2021

2023/11527 ~ Complete ~54:SYSTEM AND METHOD FOR APPLYING AMENDMENT ~71:Halter USA Inc, 201 Spear Street, Suite 1100, SAN FRANCISCO 94105, CA, USA, United States of America ~72: CROWHURST, Steve;DE SOUZA GARBIATTI, Carlos Eduardo;TRAYNOR, Aaron John~ 33:AU ~31:2021901464 ~32:17/05/2021;33:AU ~31:2021221482 ~32:24/08/2021;33:AU ~31:2022900436 ~32:24/02/2022

2023/11542 ~ Complete ~54:MODIFICATION OF OBJECTS IN FILM ~71:FLAWLESS HOLDINGS LIMITED, Floor 3, 71-75 Shelton Street, United Kingdom ~72: DANISCHEVSKY, Sean;HALL, Rob;KIM, Hyeongwoo;MANN, Scott;SCULLION, Gary Myles~ 33:US ~31:63/193,553 ~32:26/05/2021;33:US ~31:63/203,354 ~32:19/07/2021;33:US ~31:17/561,356 ~32:23/12/2021

2023/11539 ~ Complete ~54:CHITINOLYTIC ENZYME-BASED PLANT PROTECTION AGENTS ~71:Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e. V., Hansastraße 27c, MÜNCHEN 80686, GERMANY, Germany;Globachem NV, Brustem Industriepark, Lichtenberglaan 2019, SINT-TRUIDEN 3800, BELGIUM, Belgium ~72: AGDOUR, Siham;RASCHE, Stefan;SCHMITZ, Christian;VAN CEULEBROECK, Christel;VAN DAELE, Guy;VOGELS, Liesbeth;ZWARTS, Liesbeth~ 33:EP ~31:21179559.6 ~32:15/06/2021

2023/11501 ~ Complete ~54:A CROSS SECTION OPTIMIZATION METHOD BASED ON FULL PARAMETRIC BODY MATHEMATICAL MODEL ~71:Hunan University, HNU College of Mechanical and Vehicle Engineering, No.1 Lushan Road (S), Yuelu District, Changsha, Hunan Province, 410082, People's Republic of China ~72: Zhaohui HU~ 33:CN ~31:2023117063191 ~32:12/12/2023

2023/11504 ~ Complete ~54:COMPUTER SECURITY CONTROLLER BASED ON LARGE DATA ~71:Xi'an Eurasia University, No. 8 Dongyi Road, Yanta District, Xi'an City, Shaanxi Province, 710065, People's Republic of China ~72: Li Mei~

2023/11534 ~ Complete ~54:ROTOR OF GAS DISPERSION ARRANGEMENT ~71:Metso Finland Oy, Rauhalanpuisto 9, ESPOO 02230, FINLAND, Finland ~72: HÄMÄLÄINEN, Timo;LUUKKONEN, Matti~ 33:EP ~31:21176490.7 ~32:28/05/2021

2023/11538 ~ Complete ~54:METHOD AND SYSTEM EMBODIMENTS FOR CONVERTING ETHANOL TO PARA-XYLENE AND ORTHO-XYLENE ~71:Battelle Memorial Institute, 902 Battelle Boulevard, RICHLAND 99354, WA, USA, United States of America;LanzaTech, Inc., 8045 Lamon Avenue, Suite 400, SKOKIE 60077, IL, USA, United States of America ~72: GUO, Mond;KOCAL, Joseph Anthony;RAMASAMY, Karthikeyan K.;ROSIN, Richard Russell~ 33:US ~31:17/387,725 ~32:28/07/2021

2023/11524 ~ Complete ~54:ANTI-CSP ANTIBODIES ~71:ATRECA, INC., 835 Industrial Road, Suite 400, San Carlos, United States of America ~72: EMERLING, Daniel Eric;KETCHEM, Randal R.;LIPPOW, Shaun M.;VOLKMUTH, Wayne;WILLIAMS, Katherine L.~ 33:US ~31:63/211,820 ~32:17/06/2021

2023/11530 ~ Complete ~54:NOREPINEPHRINE REUPTAKE INHIBITORS FOR TREATING SLEEP APNEA ~71:Apnimed, Inc. (Delaware), 20 Holyoke Street, CAMBRIDGE 02138, MA, USA, United States of America ~72: FARKAS, Ronald;MILLER, Lawrence G.;TARANTO-MONTEMURRO, Luigi;WHITE, David P.~ 33:US ~31:63/211,673 ~32:17/06/2021;33:US ~31:63/319,035 ~32:11/03/2022

2023/11537 ~ Complete ~54:TREATMENT OF SYMPTOMS ASSOCIATED WITH MYELOPROLIFERATIVE NEOPLASMS ~71:Telios Pharma, Inc., 275 Shoreline Drive, Suite 325, REDWOOD CITY 94065, CA, USA, United States of America ~72: ROTHBAUM, Wayne~ 33:US ~31:63/211,276 ~32:16/06/2021

2023/11519 ~ Complete ~54:HYBRID FIXED ANGLE ROTOR UNMANNED AERIAL VEHICLE WITH VERTICAL TAKEOFF AND LANDING CAPABILITIES ~71:FIXAR-AERO, SIA, Skandu iela 7, Riga, LV-1067, Latvia ~72: Sergei Lobanov;Vasilii Fainveits~

2023/11541 ~ Complete ~54:METHOD FOR THE TREATMENT OF BLACK WATER ~71:NOAH WATER SOLUTIONS BV, Burchtweg 7, Belgium ~72: GOOSSENSEN, Roemer;PARMENTIER, Dries;VAN MEIRHAEGHE, Jef;VAN MEIRHAEGHE, Rik~ 33:BE ~31:2021/5484 ~32:21/06/2021

2023/11518 ~ Complete ~54:ELECTRONIC AIR BRAKE SYSTEM AND METHOD OF PERFORMING A CONSIST SWAP WITHOUT A RISK OF ROLLAWAY ~71:NEW YORK AIR BRAKE LLC, 748 Starbuck Avenue, United States of America ~72: MARGESON, Scott;PARISIAN, Michael L.~ 33:US ~31:63/217,549 ~32:01/07/2021

2023/11529 ~ Complete ~54:ARTICLE FOR USE IN A NON-COMBUSTIBLE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: TAYLOR, Benjamin~ 33:GB ~31:2108780.4 ~32:18/06/2021

2023/11511 ~ Complete ~54:DYNAMIC MODELER ~71:HAMZE, Hayssam, Daressa, Unit 901, Level 9, Reef Tower, United Arab Emirates ~72: HAMZE, Hayssam~ 33:US ~31:16/835,066 ~32:30/03/2020;33:US ~31:16/919,764 ~32:02/07/2020;33:US ~31:17/129,808 ~32:21/12/2020;33:US ~31:17/191,656 ~32:03/03/2021;33:US ~31:17/216,397 ~32:29/03/2021

2023/11512 ~ Complete ~54:DYNAMIC MODELER ~71:HAMZE, Hayssam, Daressa, Unit 901, Level 9, Reef Tower, United Arab Emirates ~72: HAMZE, Hayssam~ 33:US ~31:16/835,066 ~32:30/03/2020;33:US

~31:16/919,764 ~32:02/07/2020;33:US ~31:17/129,808 ~32:21/12/2020;33:US ~31:17/191,656 ~32:03/03/2021;33:US ~31:17/216,397 ~32:29/03/2021

2023/11514 ~ Complete ~54:CLEANING FUNCTIONALITY IN HANDHELD LASER SYSTEM ~71:IPG PHOTONICS CORPORATION, 50 Old Webster Road, United States of America ~72: GRAPOV, Yuri;LY, Nam;MARKUSHOV, Iurii;NOVIKOV, Sergei~ 33:US ~31:63/212,280 ~32:18/06/2021;33:US ~31:63/242,175 ~32:09/09/2021

2023/11533 ~ Complete ~54:(R)-N-ETHYL-5-FLUORO-N-ISOPROPYL-2-((5-(2-(6-((2-METHOXYETHYL)(METHYL)AMINO)-2-METHYLHEXAN-3-YL)-2,6-DIAZASPIRO[3.4]OCTAN-6-YL)-1,2,4-TRIAZIN-6-YL)OXY)BENZAMIDE BESYLATE SALT FOR THE TREATMENT OF DISEASES SUCH AS CANCER ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, Beerse, 2340, BELGIUM, Belgium ~72: AHUJA, Dipali;BEN HAIM, Cyril;CAI, Wei;CLEATOR, Edward;DAI, Xuedong;DARVILLE, Nicolas Freddy Jacques Bruno;GEERTMAN, Robert Michael;LIU, Yingtao;NG, Alicia Tee Fuay;PANDE, Vineet;QUEROLLE, Olivier Alexis Georges;SMOLDERS, Simon Jan C.;THURING, Johannes Wilhelmus J.~ 33:IB ~31:2021/100466 ~32:17/06/2021;33:IB ~31:2022/091677 ~32:09/05/2022

2023/11535 ~ Complete ~54:PLANTS RESISTANT TO INFECTION BY PEPINO MOSAIC VIRUS ~71:Abiopep,S.L., Parque Científico de Murcia Carretera de Madrid, Km.388 - Complejo de Espinardo, Edif. R, 2º Espinardo, MURCIA 30100 , SPAIN, Spain;Consejo Superior de Investigaciones Científicas (CSIC), C/ Serrano 117, MADRID 28006, SPAIN, Spain ~72: ARANDA REGULES, Miguel A.;BRETÓ MONFORT, Mª Pau;DONAIRE SEGARRA, Livia;RODRIGUEZ SEPÚLVEDA, Pascual;RUIZ RAMÓN, Fabiola~ 33:ES ~31:P202130569 ~32:18/06/2021

2023/11505 ~ Complete ~54:STATISTICAL SYSTEM FOR PRODUCT DATA CLASSIFICATION BASED ON TIME SERIES ANALYSIS ~71:Gansu Agricultural University, No. 1 Yingmen village, Anning District, Lanzhou, Gansu Province, 730070, People's Republic of China ~72: Zhu Yali~

2023/11502 ~ Complete ~54:AN ESCALATOR BRAKE CHARACTERISTIC PARAMETER MEASUREMENT DEVICE AND METHOD ~71:GUANGDONG MECHANICAL & ELECTRICAL POLYTECHNIC, No. 2, Tonghe Toad East Road, Baiyun District, People's Republic of China ~72: CHEN, Hui;DENG, Zhaotao;HUANG, Guojian;HUANG, Jiasi;LI, Mingqian;LI, Zhongxing;MENG, Hui;PAN, Luqi;QING, Chao;WU, Xiaowei~ 33:CN ~31:202211740155X ~32:30/12/2022;33:CN ~31:2022236118684 ~32:30/12/2022

2023/11507 ~ Complete ~54:PV (PHOTO-VOLTAIC) PANEL PROTECTION DEVICE ~71:PowerON Technologies (Pty) Ltd., Unit F16, Misty Bay, Vaal Marina, MEYERTON 1945, Gauteng, SOUTH AFRICA, South Africa ~72: PUTTER, Andries Hercules~ 33:ZA ~31:2022/03792 ~32:04/10/2022

2023/11509 ~ Complete ~54:DYNAMIC MODELER ~71:HAMZE, Hayssam, Daressa, Unit 901, Level 9, Reef Tower, United Arab Emirates ~72: HAMZE, Hayssam~ 33:US ~31:16/835,066 ~32:30/03/2020;33:US ~31:16/919,764 ~32:02/07/2020;33:US ~31:17/129,808 ~32:21/12/2020;33:US ~31:17/191,656 ~32:03/03/2021;33:US ~31:17/216,397 ~32:29/03/2021

2023/11517 ~ Complete ~54:CLOSURE DEVICE COMPRISING A SUPPORT RING ~71:BERICAP HOLDING GMBH, Kirchstr. 5, Germany ~72: KRAUTKRÄMER, Alexander~ 33:DE ~31:10 2021 125 520.1 ~32:01/10/2021

2023/11515 ~ Complete ~54:MATERIAL PROCESSING FUNCTIONALITY IN HANDHELD LASER SYSTEM ~71:IPG PHOTONICS CORPORATION, 50 Old Webster Road, United States of America ~72: GRAPOV, Yuri;LY, Nam;MARKUSHOV, Iurii;MONVELDT, Sergey;NOVIKOV, Sergei~ 33:US ~31:63/212,290 ~32:18/06/2021

2023/11523 ~ Complete ~54:HYDROCYCLONE OPTIMISATION ~71:VULCO S.A., San José No 815, Chile ~72: HERNANDEZ, Carlos;LOPEZ, Javier;PUTZ, Eduardo;VEGA, Mauricio~ 33:GB ~31:2111307.1 ~32:05/08/2021

2023/11531 ~ Complete ~54:AEROSOL GENERATING DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: CAMPBELL, Jeremy;COWAN, Dean;HODGSON, Matthew~ 33:GB ~31:2108797.8 ~32:18/06/2021

2023/11536 ~ Complete ~54:ANCHOR ASSEMBLY ~71:Gripple Limited, The Old West Gun Works, Savile Street East, SHEFFIELD S4 7UQ, SOUTH YORKSHIRE, UNITED KINGDOM, United Kingdom ~72: WHITE, Samuel~ 33:GB ~31:2109800.9 ~32:07/07/2021;33:GB ~31:2209364.5 ~32:27/06/2022

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

Application Number	Assignor	Assignee
2014/03860	CLEAN TEQ PTY LTD	SUNRISE ENERGY METALS LIMITED
2023/02417	MIN MEDICAL INNOVATION GMBH	FLATSCHER, MICHAEL
2023/02417	FLATSCHER, MICHAEL	VALERIOT GMBH
2008/06974	THERMODRIVE LLC	LAITRAM,L.L.C.
2023/09305	STUART CAMERON	ECO-BATHROOM EXPERTS LIMITEDE
2021/00551	CSIR and AHRLAC INNOVATION CENTRE (PTY) LTD	CSIR
2020/00329	CSIR and AHRLAC INNOVATION CENTRE (PTY) LTD	CSIR
2019/04388	CSIR and AHRLAC INNOVATION CENTRE (PTY) LTD	CSIR
2014/00766	SIEMENS AKTIENGESELLSCHAFT and FL SMIDTH A/S	INNOMOTICS GMBH
2014/00766	INNOMOTICS GMBH	INNOMOTICS GMBH and FL SMIDTH A/S
2012/07698	PRISTEC AG (in bankruptcy)	REDMAX GMBH & CO KG
2023/05968	PEREGRINE BULLETS (PTY)	PERAMCO (PTY) LTD
2020/02325	MAVERICK THERAPEUTICS, INC.	TAKEDA PHARMACEUTICALS U.S.A., INC.
2020/02325	TAKEDA PHARMACEUTICALS U.S.A., INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2021/01611	BLAZEVIC, SLAVKO	SEAL COOL INDUSTRIES CC
2021/06608	TVA (ABC), LLC	FUSION PHARMACEUTICALS INC.
2019/03362	MICHAMVI MARKETING (PTY) LTD	INTEGRATED AIR SOLUTIONS (PTY) LTD
2006/06185	CHICAGO BRIDGE AND IRON COMPANY	CB&I STS DELAWARE LLC
2013/00671	SHIRE HUMAN GENETIC THERAPEUTICS, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2013/00675	SHIRE HUMAN GENETIC THERAPEUTICS, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2018/07535	MAMLUK, RONI & GELBAUM, DANA	AMRYT ENDO, INC.
2017/04026	MAMLUK, RONI & GELBAUM, DANA	AMRYT ENDO, INC.
2013/00672	SHIRE HUMAN GENETIC	TAKEDA PHARMACEUTICAL COMPANY

Application Number	Assignor	Assignee
	THERAPEUTICS, INC.	LIMITED
2007/11115	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2006/07665	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2009/00710	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2019/04803	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2012/05690	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2021/08630	QILU REGOR THERAPEUTICS INC.	REGOR PHARMACEUTICALS, INC.
2016/03456	HUAWEI TECHNOLOGIES CO., LTD.	BEIJING KUNSKI INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.
2012/06261	HUAWEI DEVICE CO., LTD.	BEIJING KUNSKI INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.
2014/07500	ACTEURO LIMITED	ADVANCED CHAIN TECHNOLOGIES (A.C.T.) PTY LTD
2022/12302	KENWAVE SOLUTIONS INC.	VESI BOESMAN HOLDINGS INC.
2022/12302	VESI BOESMAN HOLDINGS INC.	KENWAVE SOLUTIONS INC. and VESI BOESMAN HOLDINGS INC.
2017/08102	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2017/08103	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2010/03516	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2009/00631	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2007/04290	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2014/01652	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS

Application Number	Assignor	Assignee
		CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2013/08145	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2006/08497	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2010/02017	GOUWS, PETRUS CHRISTIAAN (DECEASED)	THE PIERRE GOUWS TESTAMENTARY TRUST, GOUWS, ROWAN PETRUS CHRISTIAAN, GOUWS, MYLES EVAN, GOUWS, ETHAN DAVID, GOUWS, JACQUELINE
2021/09394	HEFEI INSTITUTES OF PHYSICAL SCIENCE, CHINESE ACADEMY OF SCIENCES	PLA ARMY ACADEMY OF ARTILLERY AND AIR DEFENSE
2022/10762	XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY	CHANGZHOU DEBO NEW MATERIAL TECHNOLOGY CO., LTD.
2022/11406	STAEDTLER MARS GMBH & CO. KG	STAEDTLER SE
2016/08013	STAEDTLER MARS GMBH & CO. KG	STAEDTLER SE
2016/02772	STAEDTLER MARS GMBH & CO. KG	STAEDTLER SE
2010/08355	STAEDTLER MARS GMBH & CO. KG	STAEDTLER SE
2022/11408	STAEDTLER MARS GMBH & CO. KG	STAEDTLER SE
2016/06940	ORPHOMED, INC.	DIMERX, INC.
2022/05565	HAINAN TROPICAL OCEAN UNIVERSITY	ZHONGSHAN ANYANG NEW MATERIAL CO., LTD.
2022/10597	AALBORG UNIVERSITY	SHENYANG UNIVERSITY OF TECHNOLOGY
2013/00068	SCHNEIDER HARTMUT	ECOTHERM AUSTRIA GMBH
2018/02643	ORPHOMED, INC.	DIMERX, INC.
2018/02643	DIMERX, INC.	RELATIVITY PHARMA, INC.
2016/06937	ORPHOMED, INC.	DIMERX, INC.
2020/06210	MEDICAGO INC., MITSUBISHI TANABE PHARMA CORPORATION, NATIONAL UNIVERSITY CORPORATION NARA INSTITUTE OF SCIENCE AND TECHNOLOGY	MEDICAGO INC.
2021/07581	MEDICAGO INC., MITSUBISHI TANABE PHARMA CORPORATION, NATIONAL UNIVERSITY CORPORATION NARA INSTITUTE OF SCIENCE	MEDICAGO INC.

Application Number	Assignor	Assignee
	AND TECHNOLOGY	
2023/09447	TRADE SECRET CHOCOLATES	TRADE SECRET CHOCOLATES INC.
2023/09447	TRADE SECRET CHOCOLATES INC.	TRUE ESSENCE FOODS INC.
2023/01122	TRADE SECRET CHOCOLATES INC.,	TRADE SECRET CHOCOLATES INC. and MATTHEW RUBIN
2023/01122	TRADE SECRET CHOCOLATES INC.	TRUE ESSENCE FOODS INC. and MATTHEW RUBIN
2023/06875	TRADE SECRET CHOCOLATES	TRADE SECRET CHOCOLATES INC.
2023/06875	TRADE SECRET CHOCOLATES INC.	TRUE ESSENCE FOODS INC.
2023/01123	TRADE SECRET CHOCOLATES	TRADE SECRET CHOCOLATES INC.
2023/01123	TRADE SECRET CHOCOLATES INC.	TRUE ESSENCE FOODS INC.
2023/05137	VA DE VELDE, HELGI	SANOFI-BELGIUM NV SA
2008/08330	MILANO INVESTMENTS S.P.A.	CIMA S.P.A.
2010/00589	MILANO INVESTMENTS S.P.A.	CIMA S.P.A.
2011/01201	MILANO INVESTMENTS S.P.A.	CIMA S.P.A.
2020/04238	UNIENERGY TECHNOLOGIES, LLC	VENTURE LENDING & LEASING VIII, INC., aka WTI

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2017/07027	ANGLOGOLD ASHANTI LIMITED	ANGLOGOLD ASHANTI (PTY) LTD
2012/06902	ANGLOGOLD ASHANTI LIMITED	ANGLOGOLD ASHANTI (PTY) LTD
2016/02981	ANGLOGOLD ASHANTI LIMITED	ANGLOGOLD ASHANTI (PTY) LTD
2012/06903	ANGLOGOLD ASHANTI LIMITED	ANGLOGOLD ASHANTI (PTY) LTD
2016/07631	SAFRAN IDENTITY & SECURITY	IDEMIA IDENTITY & SECURITY FRANCE
2016/04528	SILICON SMELTERS (PTY) LIMITED	FERROGLOBE SOUTH AFRICA (PTY) LTD
2021/06992	THE CLIMATE CORPORATION	CLIMATE LLC
2021/05078	THE CLIMATE CORPORATION	CLIMATE LLC
2020/01786	THE CLIMATE CORPORATION	CLIMATE LLC
2021/00551	AEROSUD INNOVATION CENTRE (PTY) LTD	AHRLAC INNOVATION CENTRE (PTY) LTD
2011/04698	ANGLOGOLD ASHANTI LIMITED	ANGLOGOLD ASHANTI (PTY) LTD
2021/01611	SEAL COOL INDUSTRIES CC	SEAL COOL INDUSTRIES (PTY) LTD
2011/05990	ANGLOGOLD ASHANTI LIMITED	ANGLOGOLD ASHANTI (PTY) LTD
2011/06072	STEAG ENERGY SERVICES GMBH	IQONY SOLUTIONS GMBH
2013/02704	PERMOSEAL (PTY) LTD	BOSTIK SOUTH AFRICA (PTY) LTD
2014/02036	INVESTIGO (PTY) LTD	FITNESSCO (PTY) LTD
2008/08330	CIMA S.P.A. DI RAZZABONI E C	RAZZABONI S.P.A.
2008/08330	RAZZABONI S.P.A.	MILANO INVESTMENTS S.P.A.
2010/00589	CIMA S.P.A.DI RAZZABONI E C	RAZZABONI S.P.A.
2010/00589	RAZZABONI S.P.A.	MILANO INVESTMENTS S.P.A.

Application Number	In the name of	New name
2011/01201	CIMA S.P.A. DI RAZZABONI E C	RAZZABONI S.P.A.
2011/01201	RAZZABONI S.P.A.	MILANO INVESTMENTS S.P.A.

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

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2022/09856	WITHDRAWN	18/07/2023

APPLICATION FOR RESTORATION OF A LAPSED PATENT

No records avalilable

THE PATENTS ACT, No. 57 OF 1978

VOLUNTARY SURRENDER OF A PATENT UNDER SECTION 64 (1), REGULATION 67 OF THE ACT

No records avalilable

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

Applicant: CONCRETE CANVAS LTD of **UNIT 3, BLACK A22 SEVERN ROAD, TREFOREST INDUSTRIAL ESTATE, PONTYPRIDD, GLAMORGAN CW37 5SP.** Request permission to amend the specification of letters patent no: **2009/00222 of 12 JANUARY 2009** for **IMPREGNATED FABRIC**.

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: THERAPHARM GMBH of **Oberneuhofstrasse 5, 6340 Baar.** Request permission to amend the specification of letters no: **2019/02982 of 13 MAY 2019** for **RADIOIMMUNOCONJUGATE FOR USE IN TREATING BONE MARROW ASSOCIATED DISEASES**.

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: Société des Produits Nestlé S.A. of **Entre-deux-Villes, VEVEY CH-1800, SWITZERLAND.** Request permission to amend the specification of letters patent no: **2020/00050 of 03 JANUARY 2020** for **METHOD FOR ROASTING COFFEE BEANS**.

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: BRELKO PATENTS (PTY) LTD of **Reuven Extension 1, 16 Harries Street, Booysens 2091 Johannesburg**. Request permission to amend the specification of letters patent no: **2020/02016 of 04 MAY 2020** for **NIP GUARD**.

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: UNILEVER IP HOLDINGS B.V. of **WEENA 455, 3013, AL ROTTERDAM, THE NETHERLANDS** Request permission to amend the specification of letters patent no: **2021/03362** of **18 MAY 2021** for **FOOD ARTICLE**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: UNILEVER IP HOLDINGS B.V. of **WEENA 455, 3013, AL ROTTERDAM, THE NETHERLANDS** Request permission to amend the specification of letters patent no: **2021/03363** of **18 MAY 2021** for **SAVOURY COMPOSITION**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

Applicant: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD. 2) BYTEDANCE INC of **1) ROOM B-0035, 2/F, NO.3 BUILDING, NO.30, SHIXING ROAD, SHIJINGSHAN DISTRICT, BEIJING, 100041, PEOPLE'S REPUBLIC OF CHINA 2) 12655 WEST JEFFERSON BOULEVARD, SIXTH FLOOR, SUITE NO. 137, LOS ANGELES, CALIFORNIA, 90066, UNITED STATES OF AMERICA.** Request permission to amend the specification of letters patent no: **2021/07295** of **28 SEPTEMBER 2021** for **PARAMETER DERIVATION IN CROSS COMPONENT MODE**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

INSPECTION OF SPECIFICATIONS

A complete specification may, after acceptance is advertised, be inspected during office hours at the Patent Office, Pretoria, at a charge of **R4, 00.** Please note, that in terms of section 43 (3) if the acceptance of an application which claims priority in terms of section 31 (1) (c) is not published in terms of section 42 within 18 months from the earliest priority claimed from the relevant application in a convention country, it shall be opened to public inspection after the expiration of 18 months from the earliest priority so claimed.

COPIES OF DOCUMENTS

The Patent Office, Private Bag X400, Pretoria, supplies copies of all patent and trade mark documents at the following rate:

Photocopies: **R1, 00 per page**

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

Complete specifications in respect of the under mentioned applications for letters Patent have been accepted by the Registrar of Patents.

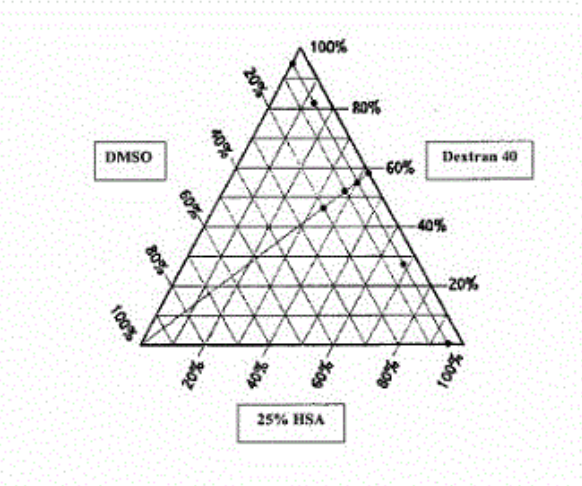
THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

In terms of section 42 (b) of the Patents Act, 1978, a patent shall be deemed to have been sealed and granted as from the date of publication of the acceptance.

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

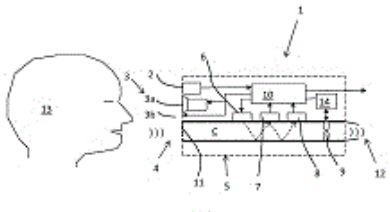
Registrar of Patents

21: 2012/01067. 22: 2012/02/14. 43: 2023/10/11
51: A01N; A61K; C12N
71: CELULARITY INC.
72: ZEITLIN, ANDY, RUSSOTTI, GREGORY, HE, SHUYANG, PAL, AJAI, CHEN, HONG J, BRIEVA, THOMAS, SHORR, RYAN, MURPHY, BRIAN
33: US 31: 61/090,577 32: 2008-08-20
54: IMPROVED CELL COMPOSITION AND METHODS OF MAKING THE SAME
00: -
Provided herein are improved methods for the formulation of compositions comprising placental stem cells, and improved compositions and cell formulations produced thereby.



21: 2014/03785. 22: 2014/05/23. 43: 2023/10/10
51: A61K; C12N
71: TARGETGENE BIOTECHNOLOGIES LTD
72: SHIBOLETH, YOEL MOSHE, WEINTHAL, DAN MICHAEL
33: US 31: 61/576, 423 32: 2011-12-16
54: COMPOSITIONS AND METHODS FOR MODIFYING A PREDETERMINED TARGET NUCLEIC ACID SEQUENCE
00: -
Provided herein are compositions and methods for modifying a predetermined nucleic acid sequence. A programmable nucleoprotein molecular complex containing a polypeptide moiety and a specificity conferring nucleic acid (SCNA) which assembles in-vivo, in a target cell, and is capable of interacting with the predetermined target nucleic acid sequence is provided. The programmable nucleoprotein molecular complex is capable of specifically modifying and/or editing a target site within the target nucleic acid sequence and/or modifying the function of the target nucleic acid sequence.

21: 2015/01247. 22: 2015/02/24. 43: 2023/10/05
51: G01N
71: AUTOMOTIVE COALITION FOR TRAFFIC SAFETY, INC.
72: HÖK, BERTIL, SMITH, LEIF, GRANSTAM, MATHIAS
33: SE 31: 1250953-5 32: 2012-08-24
54: HIGHLY ACCURATE BREATH TEST SYSTEM
00: -
The invention relates to a system for breath test of a person. It includes a sensor unit (5) configured to sense the presence/concentration of a volatile substance, e.g. alcohol, present in air flowing through a predefined inlet area (4) and generating a signal corresponding to the concentration of said substance. An analyzer (10) determines the concentration of said substance in the breath of said person. It comprises means (9, 10, 12, 14) for the temporary interruption of said air flow at a point in time coinciding with the detection of a breath. It also relates to a method comprising interrupting the flow through said predefined area for a predetermined period of time, and detecting the concentration of said substance during said interruption.



21: 2015/03542. 22: 2015/05/20. 43: 2023/11/20
51: A61K; A61P
71: ARAVAX PTY LTD
72: O'HEHIR, Robyn, ROLLAND, Jennifer, PRICKETT, Sara
33: AU 31: 2012904780 32: 2012-10-30
54: NOVEL IMMUNOTHERAPEUTIC MOLECULES AND USES THEREOF
00: -
The present invention relates generally to molecules such as peptides, polypeptides and proteins which interact immunologically with T lymphocytes in subjects having peanut allergy, or allergy to other tree nuts, and genetic sequences encoding same. These molecules are preferably immunointeractive with T cells in subjects having an allergy to the Ara h 1 allergen. The molecules of the present invention are useful in the development of diagnostic, therapeutic and prophylactic agents for conditions characterised by an aberrant, inappropriate or otherwise unwanted immune response to Ara h 1 or derivative or homologue thereof.

21: 2015/04739. 22: 2015/07/01. 43: 2023/10/05
51: C12N
71: PRESIDENT AND FELLOWS OF HARVARD COLLEGE
72: CHURCH, GEORGE M, MALI, PRASHANT, YANG, LUHAN
33: US 31: 61/738,355 32: 2012-12-17
33: US 31: 61/779,169 32: 2013-03-13
54: RNA-GUIDED HUMAN GENOME ENGINEERING
00: -
A method of altering a eukaryotic cell is provided including transfecting the eukaryotic cell with a nucleic acid encoding RNA complementary to genomic DNA of the eukaryotic cell, transfecting the eukaryotic cell with a nucleic acid encoding an enzyme that interacts with the RNA and cleaves the genomic DNA in a site specific manner, wherein the cell expresses the RNA and the enzyme, the RNA binds to complementary genomic DNA and the enzyme cleaves the genomic DNA in a site specific manner.

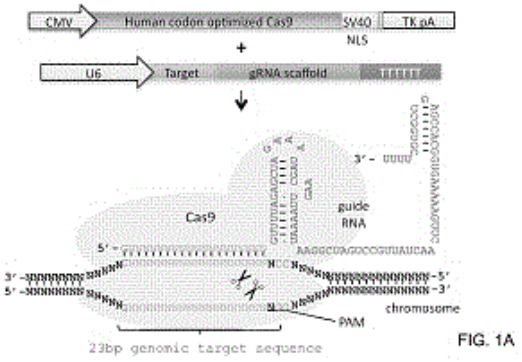


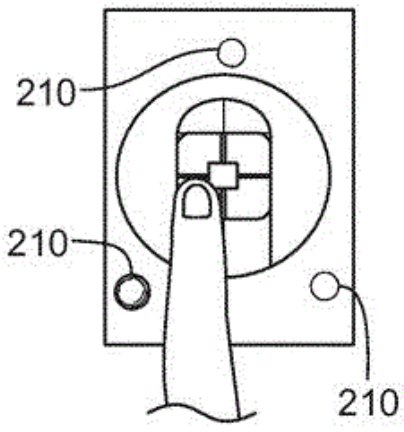
FIG. 1A

21: 2015/06093. 22: 2015/08/21. 43: 2023/10/05
51: A61K; C07K
71: INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), UNIVERSITÉ DE STRASBOURG, CORNELL UNIVERSITY, UNIVERSITÉ PARIS-SUD XI, APHP (ASSISTANCE PUBLIQUE - HÔPITAUX DE PARIS)
72: PUCCIO, HÉLÈNE MONIQUE, AUBOURG, PATRICK, CRYSTAL, RONALD G, BOUGNERES, PIERRE
33: US 31: 13/756,651 32: 2013-02-01
54: METHODS AND PHARMACEUTICAL COMPOSITION FOR THE TREATMENT AND THE PREVENTION OF CARDIOMYOPATHY DUE TO ENERGY FAILURE
00: -
The present invention relates to a method for preventing or treating cardiomyopathy due to energy failure in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a vector which comprises a nucleic acid sequence of a gene that can restore energy failure. More particularly, the invention relates to a method for preventing or treating a cardiomyopathy associated with Friedreich ataxia in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a vector which comprises a frataxin (FXN) encoding nucleic acid.

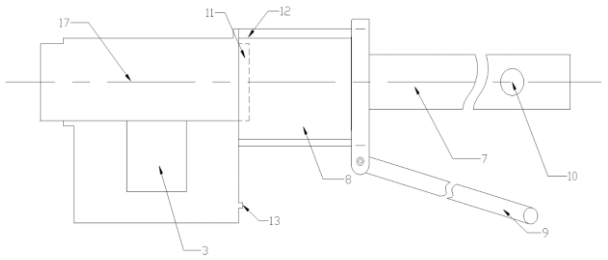
21: 2015/07717. 22: 2015/10/15. 43: 2023/11/20
51: A61K
71: MEXICHEM AMANCO HOLDING S.A. DE C.V.
72: CORR, Stuart, NOAKES, Timothy James
33: GB 31: 1306984.4 32: 2013-04-17
54: COMPOSITION COMPRISING SALBUTAMOL SULPHATE

00: -
A pharmaceutical composition is described that is suitable for delivery from a pressurised container. The composition is preferably free of polar excipients and comprises: (a) a propellant component that consists essentially of 1,1- difluoroethane (R-152a); (b) a surfactant component that comprises at least one surfactant compound other than oleic acid; and (c) a drug component that consists of salbutamol sulphate. The pharmaceutical composition can be delivered using a metered dose inhaler (MDI).

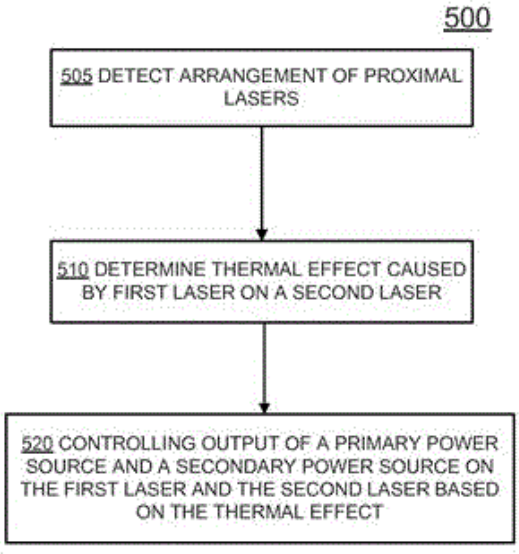
21: 2016/00797. 22: 2016/02/04. 43: 2023/10/10
51: B60R; B60K
71: AUTOMOTIVE COALITION FOR TRAFFIC SAFETY, INC.
72: TODD, GILBERT A, NAGOLU, CHAKRAVARTHI M
33: US 31: 61/870,384 32: 2013-08-27
33: US 31: 14/315,631 32: 2014-06-26
54: SYSTEMS AND METHODS FOR CONTROLLING VEHICLE IGNITION USING BIOMETRIC DATA
00: -
A push-to-start ignition device measures biometric information of a driver to control activation of vehicle ignition. The push-to-start switch (100) includes a touchpad that senses, using capacitive sensors, a vehicle driver's finger and provides signals using one or a combination of lights (110, 210), audio, and haptic feedback to guide the vehicle driver into a suitable position (120) for measuring the biometric characteristic. If the biometric measurement meets a predefined threshold, the vehicle ignition is activated. If the biometric measurement fails to meet a predefined threshold, the vehicle ignition is locked.



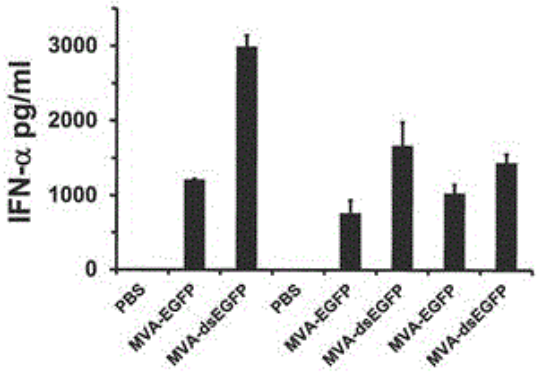
21: 2016/01355. 22: 2016/02/26. 43: 2023/09/27
51: E21B; E21D
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY
72: MA, Zhanguo, JIANG, Zhongxi, ZHANG, Fan, LIU, Zhanbin, ZHANG, Xinli, YANG, Yushu, CHEN, Guiyang, WANG, Kun
33: CN 31: 201310321523.1 32: 2013-07-26
54: DRILLING AND DRAINING INTEGRATED FLOOR ANCHORING DRILLER
00: -
A drilling and draining integrated floor anchoring driller comprises a boost air cylinder (7), a motor (8), an operating arm (9), a torque adjuster (11), and a silencer (12). A front end of the motor (8) is connected to an optimized water circulation mechanism (17) by means of the torque adjuster (11). The optimized water circulation mechanism (17) comprises a transmission shaft (6) and a filtered water circulator sleeved on the transmission shaft (6). The filtered water circulator comprises a rock powder collecting box (3). A filtering net (1) is disposed on one side of the rock powder collecting box (3). An extraction and pressure pump (2) is disposed under the filtering net (1). A clear water channel (15) in communication with an outlet of the extraction and pressure pump (2) is disposed on the other side of the rock powder collecting box (3). An external water pipe port (13) is disposed at the location of an inlet of the clear water channel (15). A front end of the transmission shaft (6) is provided with a ring inner groove, an inner wall of which is provided with multiple clear water input holes (5). A rear end of the transmission shaft (6) is provided with a cylindrical inner groove, an inner wall of which is provided with multiple sewage absorbing holes (4). The extraction and pressure pump (2) pumps mud in a drilling hole and discharges the mud into a mud chamber (16) through the sewage absorbing holes (4), and the mud is divided into clear water and rock power by means of the filtering net (1). The rock power is deposited in the rock powder collecting box (3). The separated water is pressured by the extraction and pressure pump (2) into the clear water channel (15) for reutilization. Accordingly, the water resource is saved, and rock power in the drilling hole is collected in time, thereby improving the drilling efficiency.



21: 2016/01639. 22: 2016/03/09. 43: 2023/10/10
51: H01S
71: AUTOMOTIVE COALITION FOR TRAFFIC SAFETY, INC.
72: TREESE, DEREK, VER STEEG, BEN, CECH, LEN
33: US 31: 14/456,738 32: 2014-08-11
33: US 31: 61/889,320 32: 2013-10-10
54: SYSTEM AND METHOD FOR CONTROLLING COLLOCATED MULTIPLE WAVELENGTH TUNED LASERS
00: -
Systems and methods are disclosed herein for controlling laser beams for a plurality of collocated laser assemblies. The laser beams are optimized by controlling outputs of a primary power source (current for generating a laser beam) and a secondary power source (heating device) for each of the respective laser assemblies. The states of the power supply may be cycled and modulated to provide optimal performance.

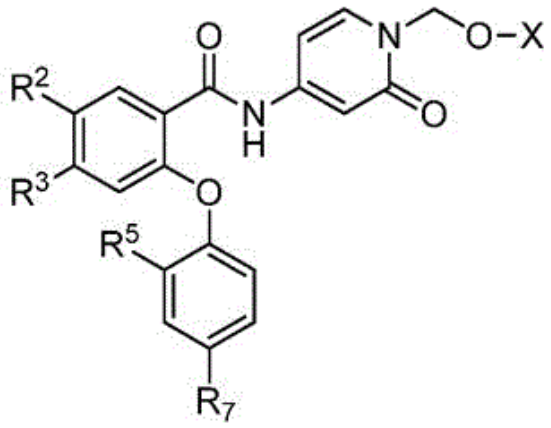


21: 2016/03187. 22: 2016/05/11. 43: 2023/10/10
51: C12N
71: BAVARIAN NORDIC A/S
72: HAUSMANN, JÜRGEN, WOLFERSTÄTTER, MICHAEL
33: EP 31: 13005541.1 32: 2013-11-28
54: COMPOSITIONS AND METHODS VECTORS FOR INDUCING AN ENHANCED IMMUNE RESPONSE USING POXVIRUS VECTORS
00: -
Provided herein are recombinant poxviruses comprising heterologous or native nucleic acids specifying excess double-stranded RNA (dsRNA) early in infection, which may further comprise heterologous nucleic acids encoding one or more costimulatory molecules, and/or heterologous nucleic acids encoding one or more infectious disease-associated antigens or tumor-associated antigens, as well as pharmaceutical compositions comprising such recombinant poxviruses and methods and uses thereof. The recombinant poxviruses provided herein enhance innate and adaptive immune activation in subjects compared to identical recombinant poxviruses lacking heterologous or native transcription units specifying excess early dsRNA.



21: 2016/03546. 22: 2016/05/24. 43: 2023/10/10
51: C07F; A61P; A61K
71: VERTEX PHARMACEUTICALS INCORPORATED
72: ANDERSON, COREY, HADIDA-RUAH, SARA SABINA, GOLEC, JULIAN MARIAN CHARLES, ZHANG, BEILI, LITTLER, BENJAMIN JOSEPH, KESHAVARZ-SHOKRI, ALI, ALCACIO, TIM EDWARD, BELMONT, DANIEL T
33: US 31: 61/915,937 32: 2013-12-13
54: PRODRUGS OF PYRIDONE AMIDES USEFUL AS MODULATORS OF SODIUM CHANNELS
00: -

Certain selective catalytic reduction (SCR) articles, systems and methods provide for high NOx conversion while at the same time low N2O formation. The articles, systems and methods are suitable for instance for the treatment of exhaust gas of diesel engines. Certain articles have zoned coatings containing copper-containing molecular sieves disposed thereon, where for example a concentration of catalytic copper in an upstream zone is lower than the concentration of catalytic copper in a downstream zone.

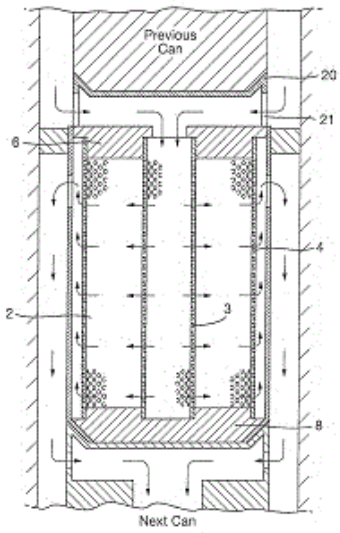


I

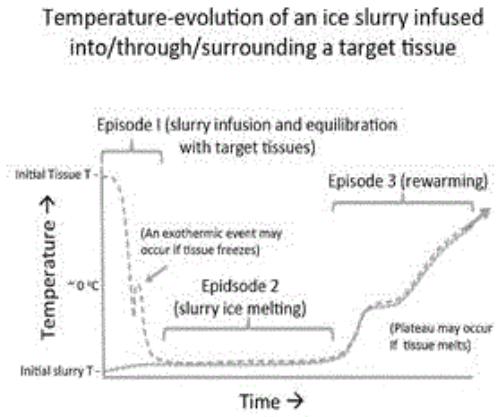
21: 2016/03753. 22: 2016/06/02. 43: 2023/10/10
51: C07K; A61K
71: GENENTECH, INC.
72: KIM, JEONG, CHEUNG, JEANNE
33: US 31: 61/917,264 32: 2013-12-17
54: METHODS OF TREATING CANCERS USING PD-1 AXIS BINDING ANTAGONISTS AND TAXANES
00: -
The invention provides methods and compositions for treating cancer and for enhancing immune function in an individual having cancer. The methods comprise administering a PD-1 axis binding antagonist and a taxane.

21: 2016/07419. 22: 2016/10/27. 43: 2023/12/04
51: A61K; A61P
71: PIERRE FABRE MEDICAMENT
72: PAILLARD, Bruno, DEL FRARI, Laurence, BRUNNER, Valérie, NEWMAN TANCREDI, Adrian, VARNEY, Mark
33: US 31: 62/022,462 32: 2014-07-09
54: A METHOD FOR TREATING MOVEMENT DISORDERS WITH BEFIRADOL
00: -
The present invention relates to a method of treatment of movement disorders, comprising administering to a patient in need thereof an effective amount of befiradol, where in the administering step provides an average patient's maximum plasma concentration of befiradol below 15 ng/mL which occurs more than 4 hours post administration, said method minimizing side effects of dizziness and nausea. Sustained release pharmaceutical compositions that can be used according to this method are also described.

21: 2017/01001. 22: 2017/02/09. 43: 2023/10/10
51: B01J
71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: GRAY, JULIAN
33: GB 31: 1417462.7 32: 2014-10-02
54: ANNULAR CATALYST CARRIER CONTAINER FOR USE IN A TUBULAR REACTOR
00: -
A catalyst carrier for insertion in a reactor tube of a tubular reactor, said catalyst carrier comprising: a container for holding catalyst in use, said container having a bottom surface closing the container, and a top surface; a carrier outer wall extending from the bottom surface to the top surface; a seal extending from the container by a distance which extends beyond the carrier outer wall; said carrier outer wall having apertures located below the seal.



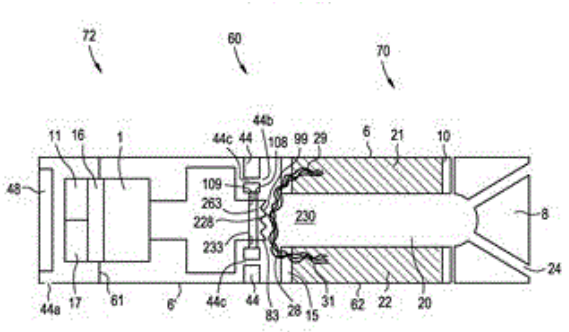
21: 2017/01048. 22: 2017/02/10. 43: 2023/10/10
51: A61K
71: THE GENERAL HOSPITAL CORPORATION
72: GARIBYAN, LILIT, ANDERSON, RICHARD ROX, FARINELLI, WILLIAM A, JAVORSKY, EMILIA
33: US 31: 62/121,329 32: 2015-02-26
33: US 31: 62/121,472 32: 2015-02-26
33: US 31: 62/042,979 32: 2014-08-28
54: INJECTABLE SLURRIES AND METHODS OF MANUFACTURING AND USING THE SAME
00: -
One aspect of the invention provides a slurry comprising: a plurality of sterile ice particles having a largest cross-sectional dimension less than about 1.5 mm; and a biocompatible surfactant. Another aspect of the invention provides a slurry including: a plurality of sterile ice particles having a largest cross-sectional dimension less than about 1.5 mm; a biocompatible surfactant; and a foam comprising a plurality of gas bubbles. Another aspect of the invention provides a slurry including: a plurality of sterile ice particles having a largest cross-sectional dimension less than about 1.5 mm; and a biocompatible excipient. Another aspect of the invention provides a slurry including: a plurality of sterile ice particles having a largest cross- sectional dimension less than about 1.5 mm; and a lipolytic agent.



21: 2017/01460. 22: 2017/02/27. 43: 2023/10/10
51: A61K
71: SAMUMED, LLC
72: HOOD, JOHN, KC, SUNIL KUMAR, KIBAR, OSMAN, BARROGA, CHARLENE F
33: US 31: 62/039,786 32: 2014-08-20
54: GAMMA-DIKETONES FOR TREATMENT AND PREVENTION OF AGING SKIN AND WRINKLES
00: -
The present disclosure relates to compounds, cosmetic or dermopharmaceutical compositions comprising the same, and methods for using the compounds or compositions for treating, protecting, and/or improving the condition and/or aesthetic appearance of skin, for example, treating, preventing, ameliorating, reducing and/or eliminating fine lines and/or wrinkles of skin, or improving the appearance of fine lines and/or or wrinkles of skin comprising application of the compounds or compositions disclosed.

21: 2017/01981. 22: 2017/03/22. 43: 2023/10/10
51: A24F
71: ALTRIA CLIENT SERVICES LLC
72: LIPOWICZ, PETER
33: US 31: 62/064,065 32: 2014-10-15
54: ELECTRONIC VAPING DEVICE AND COMPONENTS THEREOF
00: -
A reservoir component of an electronic vaping device includes an outer housing, an air inlet, a vapor outlet, an air passage communicating with the air inlet and the vapor outlet, and a reservoir. A magnetic, electrically conductive and resistive heater element is located adjacent the air passage. The heater element is configured to be in electrical communication with an alternator of a power supply

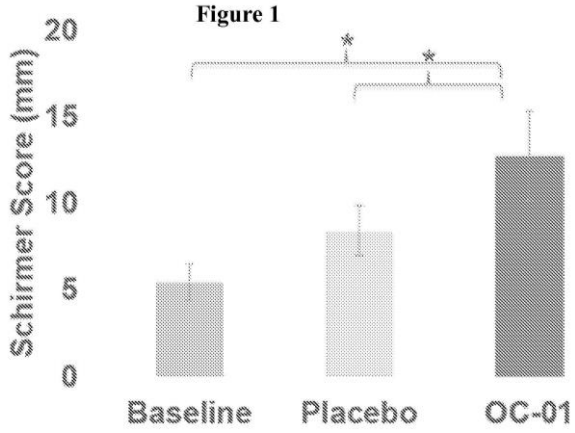
component. A wick is in communication with the reservoir and is configured to draw pre-vapor formulation from the reservoir toward the heater element. The heater element is configured to heat pre-vapor formulation to a temperature sufficient to vaporize the pre-vapor formulation and form a vapor.



21: 2017/02705. 22: 2017/04/18. 43: 2023/11/20
51: A61K; C07D; A61P
71: SIEGFRIED AG
72: DR. WEBER, Beat Theodor, ROUX, Lionel
33: EP 31: 14193857.1 32: 2014-11-19
54: IMPROVED METHOD OF MANUFACTURING BUPRENORPHINE AND ANALOGUES THEREOF FROM ORIPAVINE
00: -
The invention relates to an improved method of preparing buprenorphine, a salt thereof, analogues of buprenorphine and their salts. In particular, the invention relates to a method of preparing buprenorphine and related products and salts in economic and ecologic ways having increased yields.

21: 2017/03041. 22: 2017/05/02. 43: 2023/10/11
51: A61K; C07K
71: INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), UNIVERSITÉ DE STRASBOURG, CORNELL UNIVERSITY, UNIVERSITÉ PARIS-SUD XI, APHP (ASSISTANCE PUBLIQUE - HÔPITAUX DE PARIS)
72: PUCCIO, HÉLÈNE MONIQUE, AUBOURG, PATRICK, CRYSTAL, RONALD G, BOUGNERES, PIERRE
33: US 31: 13/756,651 32: 2013-02-01
54: METHODS AND PHARMACEUTICAL COMPOSITION FOR THE TREATMENT AND THE PREVENTION OF CARDIOMYOPATHY DUE TO ENERGY FAILURE
00: -
The present invention relates to a method for preventing or treating cardiomyopathy due to energy failure in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a vector which comprises a nucleic acid sequence of a gene that can restore energy failure. More particularly, the invention relates to a method for preventing or treating a cardiomyopathy associated with Friedreich ataxia in a subject in need thereof, comprising administering to said subject a therapeutically effective amount of a vector which comprises a frataxin (FXN) encoding nucleic acid.

21: 2017/03467. 22: 2017/05/19. 43: 2023/10/19
51: A61K; C07D
71: Oyster Point Pharma, Inc.
72: ACKERMANN Jr., Douglas Michael, LOUDIN, James, MANDELL, Kenneth J.
33: US 31: 62/066,280 32: 2014-10-20
54: METHODS OF TREATING OCULAR CONDITIONS
00: -
Described herein are methods and pharmaceutical formulations for treating ocular conditions.

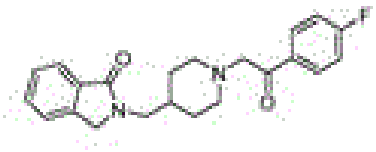


21: 2017/03481. 22: 2017/05/19. 43: 2023/10/10
51: C07D; A61P; A61K
71: MINERVA NEUROSCIENCES, INC.
72: LUTHRINGER, REMY, OKUYAMA, MASAHIRO, NOEL, NADINE, WERNER, SANDRA
33: US 31: 62/086,691 32: 2014-12-02
33: US 31: 62/248,071 32: 2015-10-29
54: COMPOSITIONS COMPRISING 2-((1-(2(4-FLUOROPHENYL)-2-OXOETHYL)PIPERIDIN-4-

YL)METHYL)ISOINDOLIN-1-ONE FOR TREATING SCHIZOPHRENIA

00: -

The disclosure provides a novel polymorph of Compound (I):, 2-((l-(2-(4-Fluorophenyl)-2-oxoethyl)piperidin-4- yl)methyl)isoindolin-l-one monohydrochloride dihydrate, i.e., Form (A) of Compound (I)·HO·2H2O. Pharmaceutical compositions comprising Form (A) of Compound (I)·HO·2H2O and related methods of treatment are also disclosed.



21: 2017/04695. 22: 2017/07/12. 43: 2023/10/19
51: A61K; C12N
71: Amgen Inc.
72: LITOWSKI, Jennifer R., SISKA, Christine Claudia, KERWIN, Bruce Arthur
33: US 31: 62/093,663 32: 2014-12-18

54: STABLE FROZEN HERPES SIMPLEX VIRUS FORMULATION

00: -

A live virus composition that maintains infectivity and provides improved virus stability during one or more freeze/thaw cycles and/or during long term storage in a liquid state at temperatures ranging from just above freezing to ambient temperatures.

21: 2017/05961. 22: 2017/09/01. 43: 2023/11/20
51: A61K; C07K
71: PIERIS PHARMACEUTICALS GMBH
72: HINNER, Marlon, ROTHE, Christine, OLWILL, Shane, BEL AIBA, Rachida Siham, MOEBIUS, Ulrich, SCHLOSSER, Corinna, JAQUIN, Thomas, Jean
33: EP 31: 15166179.0 32: 2015-05-04
33: EP 31: 15167917.2 32: 2015-05-18
33: EP 31: 15002702.7 32: 2015-09-17
33: EP 31: 15192870.2 32: 2015-11-04
33: EP 31: 16150705.8 32: 2016-01-11
33: EP 31: 16000862.9 32: 2016-04-15

54: ANTI-CANCER FUSION POLYPEPTIDE

00: -

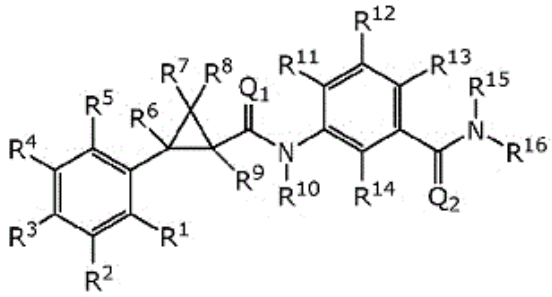
The disclosure provides a fusion polypeptide specific for both CD137 and HER2/neu, which fusion polypeptide can be useful for directing CD137 clustering and activation to HER2/neu- positive tumor cells. Such fusion polypeptide can be used in many pharmaceutical applications, for example, as anti-cancer agents and/or immune modulators for the treatment or prevention of human diseases such as a variety of tumors. The present disclosure also concerns methods of making the fusion polypeptide described herein as well as compositions comprising such fusion polypeptide. The present disclosure further relates to nucleic acid molecules encoding such fusion polypeptide and to methods for generation of such fusion polypeptide and nucleic acid molecules. In addition, the application discloses therapeutic and/or diagnostic uses of such fusion polypeptide as well as compositions comprising one or more of such fusion polypeptides.

21: 2017/06381. 22: 2017/09/21. 43: 2023/10/10
51: C07C; A01N; C07D
71: CORTEVA AGRISCIENCE LLC
72: MARTIN, TIMOTHY P, ECKELBARGER, JOSEPH D, ROSS, RONALD, DEKORVER, KYLE A, HEEMSTRA, RONALD J, KNUEPPEL, DANIEL I, VEDNOR, PETER, HUNTER, RICKY, DEMETER, DAVID A, TRULLINGER, TONY K, BAUM, ERICH W, BENKO, ZOLTAN L, CHOY, NAKYEN, CROUSE, GARY D, DAEUBLE, JOHN F, LI, FANGZHENG, NISSEN, JEFFREY, RIENER, MICHELLE, SPARKS, THOMAS C, WESSELS, FRANK J, YAP, MAURICE C
33: US 31: 62/148,809 32: 2015-04-17
33: US 31: 62/148,818 32: 2015-04-17
33: US 31: 62/148,830 32: 2015-04-17
33: US 31: 62/148,837 32: 2015-04-17
33: US 31: 62/148,824 32: 2015-04-17
33: US 31: 62/148,814 32: 2015-04-17

54: MOLECULES HAVING PESTICIDAL UTILITY, AND INTERMEDIATES, COMPOSITIONS, AND PROCESSES, RELATED THERETO

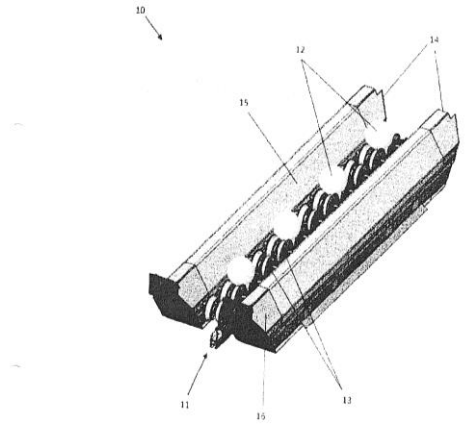
00: -

This disclosure relates to the field of molecules having pesticidal utility against pests in Phyla Arthropoda, Mollusca, and Nematoda, processes to produce such molecules, intermediates used in such processes, pesticidal compositions containing such molecules, and processes of using such pesticidal compositions against such pests. These pesticidal compositions may be used, for example, as acaricides, insecticides, miticides, molluscicides, and nematicides. This document discloses molecules having the following formula ("Formula One").

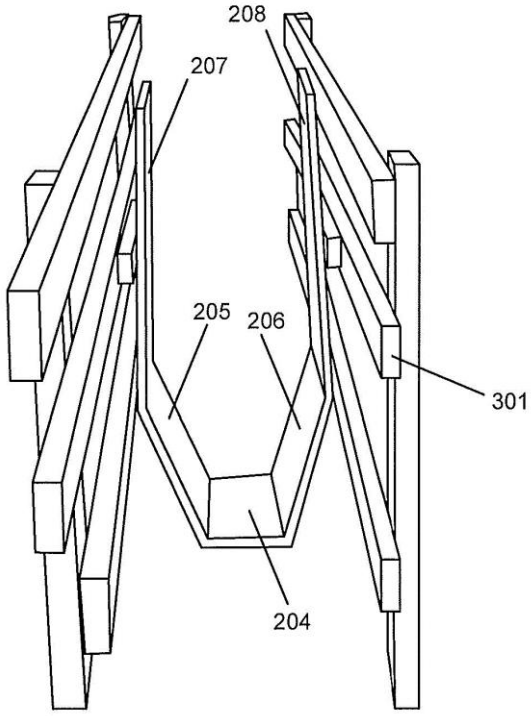


Formula One

21: 2017/06719. 22: 2017/10/05. 43: 2023/12/11
51: B07C; B65G; G01N; G03B
71: COMPAC TECHNOLOGIES LIMITED
72: GALBRAITH, Duncan; EDMONDSON, Michael; KNIGHTLEY, Simon
33: NZ 31: 706771 32: 2015-04-09
33: NZ 31: 717040 32: 2016-02-17
54: ARTICLE CONVEYING SYSTEM WITH DIFFUSE ILLUMINATION
00: -
An article inspection system (40) comprises one or more endless article conveyors (11) configured to convey articles (12) along one or more conveying paths (42). One or more light sources and one or more light diffusers (15) are provided, wherein each light diffuser (15) is positioned substantially at or below the level of the articles (12) when conveyed along the conveying paths so as to illuminate, using light from the one or more light sources, at least side portions of the articles (12) with substantially diffuse light when the articles are conveyed along the conveying path(s) (42). At least one camera (46) is positioned to image articles (12) which are conveyed along the conveying paths (42).

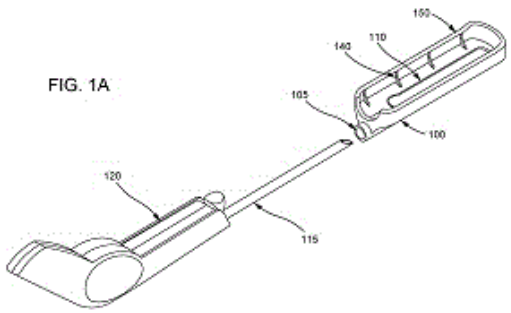


21: 2017/07327. 22: 2017/10/27. 43: 2023/10/19
51: A01K; H01Q
71: Allflex Australia Pty Ltd
72: WILKINSON, Benjamin Thomas John, GUNSTON, Patrick Bernard
33: AU 31: 2015901626 32: 2015-05-06
54: ANTENNA APPARATUS
00: -
An antenna apparatus includes a structure configured to mount within a stock race to permit animals to pass therethrough. One or more antenna coils are attached to or within the structure and provide a magnetic field laterally across the structure. The coils may be arranged in a Helmholtz configuration to provide a substantially uniform field in a read zone. The structure may have an open top and the side walls of the structure may be slanted forwards.

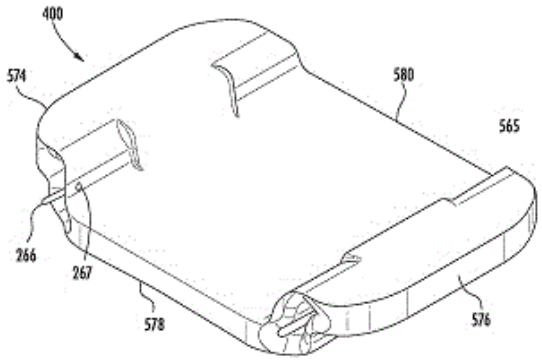


21: 2017/08200. 22: 2017/12/01. 43: 2023/10/10
51: A61F; A61J; A61M
71: INTARCIA THERAPEUTICS, INC.
72: SMITH, JAY S, COLE, MICHAEL R, SELLERS, JAMES M, LAUTENBACH, SCOTT D, WHITSON, AMY K, WEBER, MATTHEW
33: US 31: 62/170,561 32: 2015-06-03
33: US 31: 62/170,994 32: 2015-06-04

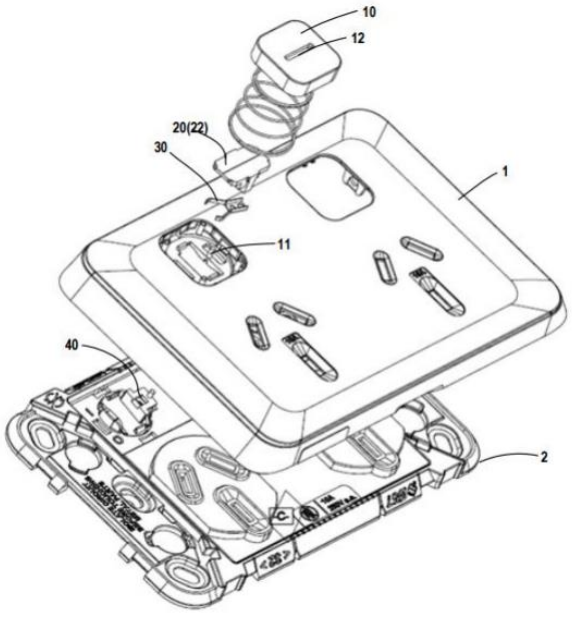
54: IMPLANT PLACEMENT AND REMOVAL SYSTEMS
00: -
Devices, methods, and systems are provided for placing an implant into a patient and removing it therefrom.



21: 2017/08291. 22: 2017/12/06. 43: 2023/10/10
51: B61F
71: NEVIS INDUSTRIES LLC
72: GOTLUND, ERIK L, JEAMBEY, JON R, NIBOUAR, F ANDREW , PIKE, JAMES A, BRYANT, JASON C, STULL, JONATHAN A, KURTZHALS, WILLIAM A, MANIBHARATHI, ROSHAN N
33: US 31: 62/161,139 32: 2015-05-13
33: US 31: 15/152,860 32: 2016-05-12
54: RAILCAR TRUCK ROLLER BEARING ADAPTER PAD SYSTEMS
00: -
A railcar truck and adapter pad system (198) for placement between a roller bearing (5) and side frame pedestal roof (152) of a three-piece railcar truck. Many different features of the pad (198) and/or the adapter-pad interface are configured to improve stiffness characteristics to satisfy both curving and high speed performance of the railcar truck.

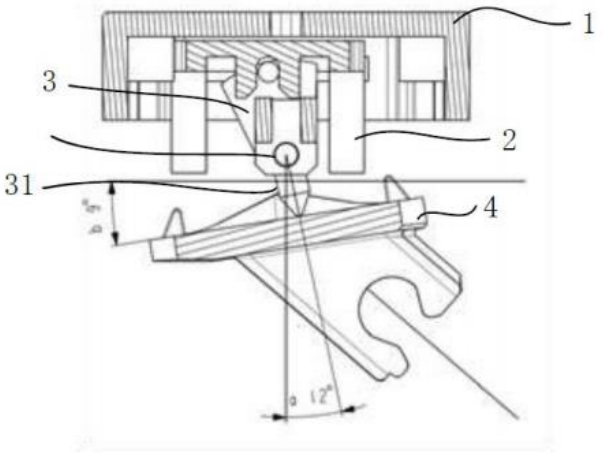


21: 2017/08740. 22: 2017/12/21. 43: 2023/11/20
51: H01H
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: ZHANG, Dahai
33: CN 31: CN201621483556.1 32: 2016-12-30
54: TRANSMISSION DEVICE FOR PUSH-BUTTON SWITCH, PUSH-BUTTON SWITCH AND SOCKET
00: -
A transmission device is provided, including: a transmission means (20), and the transmission means (20) includes an indication part (22) for providing an indication function of indicating operation states of a push-button switch. The transmission device further includes an elastic means (30) for driving the indication part to move so as to provide the indication function. The elastic means (30) is disposed between the transmission means (20) and a rocker (40) of the push-button switch, extends in a plane perpendicular to a pushing direction, and is configured to move in responding to a pivoting of the rocker (40) of the push-button switch, so as to drive the transmission means (20) to move between a first predetermined position and a second predetermined position, corresponding to an on state and an off state of the push-button switch respectively. A push-button switch and a socket are also provided. The number of parts is small and the structure is simple.

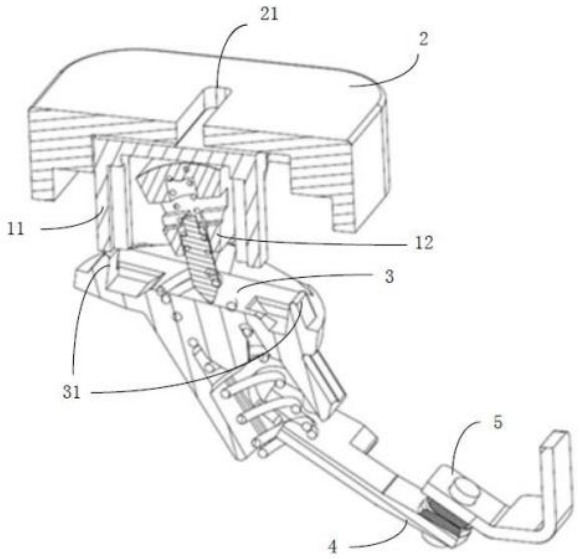


21: 2017/08741. 22: 2017/12/21. 43: 2023/11/20

51: H01H
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: ZHANG, Dahai
33: CN 31: CN201621491136.8 32: 2016-12-30
54: PUSH-BUTTON SWITCH
00: -
Embodiments of the present disclosure provide a push-button switch, including: a push button; an executing means accommodated in a cavity of the push button and configured to move in responding to pushing of the push button; a transmission means including a rotating shaft and pivotably connected to the push button through the rotating shaft, the rotating shaft be provided with at least two functional parts in such a way that when the transmission means pivots in different directions, the functional part corresponding to the pivoting direction is activated; and a rocker pivotably mounted to a housing of the push-button switch (100) and configured to pivot under driving of the executing means, to drive a moving contact to pivot through the pivoting of the rocker, so as to contact or to be separated from a fixed contact.



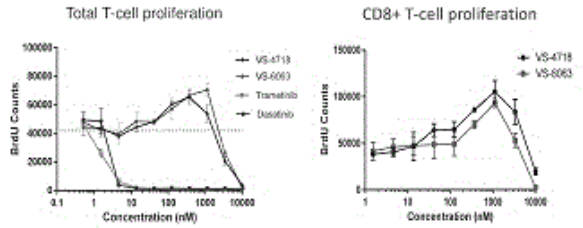
21: 2017/08742. 22: 2017/12/21. 43: 2023/11/20
51: H01H
71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED
72: ZHANG, Dahai
33: CN 31: CN201621493700.X 32: 2016-12-30
54: TRANSMISSION DEVICE FOR PUSH-BUTTON SWITCH, PUSH-BUTTON SWITCH AND SOCKET
00: -
A transmission device is provided, including a driving means and a transmission means for driving the driving means. The driving means includes a driving part and is configured, in responding to an action to a push button of a push-button switch, to drive, by the driving part, the rocker of the switch to pivot rotate. The driving means includes an indication part for indicating operation states of the switch. The driving means is disposed between the push button of the switch and the transmission means. The transmission means is configured to pivot in a plane parallel to a pushing direction of the push button in responding to a pushing action or a releasing action of the push button, driving the driving means to slide between a first predetermined position, corresponding to an on position of the switch, and a second predetermined position, corresponding to an off position of the switch.



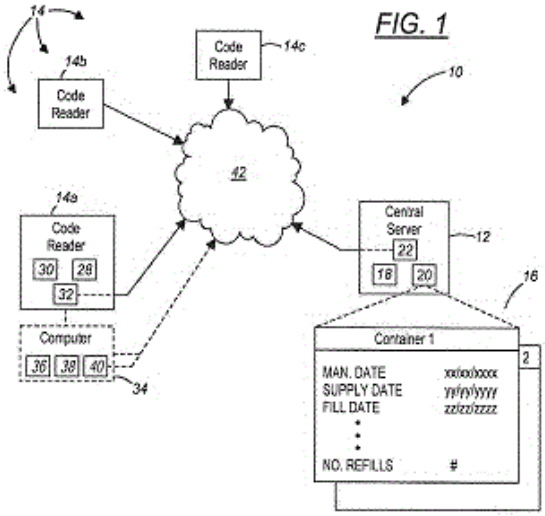
21: 2018/00030. 22: 2018/01/03. 43: 2023/10/10
51: A61K; A61P
71: AOBIOME LLC
72: WHITLOCK, DAVID R, JAMAS, SPIROS, WEISS, LARRY
33: US 31: 62/188,343 32: 2015-07-02
33: US 31: 62/189,105 32: 2015-07-06
33: US 31: 14/882,284 32: 2015-10-13
54: AMMONIA OXIDIZING BACTERIA FOR TREATMENT OF ACNE
00: -
A method for treating a skin disorder, e.g., acne, e.g. acne vulgaris, in a subject is provided. The method comprises administering, e.g., applying, e.g., topically administering, ammonia oxidizing bacteria, e.g., a preparation comprising ammonia oxidizing

bacteria, to a surface of the subject. Preparations comprising ammonia oxidizing bacteria for treating such skin disorder, e.g., acne, e.g. acne vulgaris in a subject are also provided.

21: 2018/00572. 22: 2018/01/26. 43: 2023/10/10
51: A61K; A61P; C07D
71: VERASTEM, INC.
72: PACHTER, JONATHAN A, RING, JENNIFER E, WEAVER, DAVID T, WANG, YAN
33: US 31: 62/186,197 32: 2015-06-29
54: THERAPEUTIC COMPOSITIONS, COMBINATIONS, AND METHODS OF USE
00: -
This invention relates to methods comprising administering a FAK inhibitor and an immunotherapeutic agent such as anti-PD-1 or anti-PD-L1; that are useful in the treatment of abnormal cell growth, such as cancer, in mammals, especially humans.



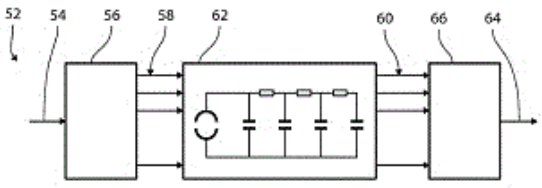
21: 2018/00800. 22: 2018/02/07. 43: 2023/10/10
51: G06Q
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: SMITH, ROGER P, ANDERSON, CHRIS D, DANGMANN, OLIVIER, CARACCIOLO, ANTHONY R, INGLE, CASEY L
33: US 31: 14/842,434 32: 2015-09-01
54: METHOD AND SYSTEM FOR TRACKING CONTAINERS
00: -
A method for tracking containers. The method includes manufacturing containers (24), including forming the containers (24) and serializing them with machine-readable codes (26). The method further includes using the machine-readable codes (26) to store data associated with the containers (24), and supplying the containers (24) to a customer. The method still further comprises receiving from the customer, data obtained from customer-readings of the machine- readable codes (26); and receiving from one or more other locations in a distribution chain in which the containers (24) travel, data obtained from readings of the machine-readable codes (26) at those locations. The method still further comprises comparing the data from the customer-readings and other readings of the machine-readable codes (26) across product brands, product distribution channels, and/or container types, and providing the data to the customer. In at least some embodiments, the method further comprises receiving from the customer a compensation for the containers (24), for example, a per-refill compensation.



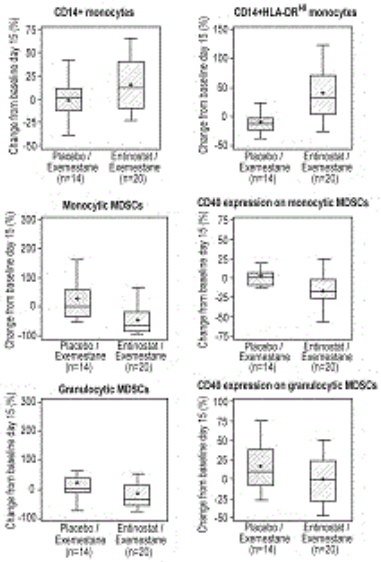
21: 2018/00804. 22: 2018/02/07. 43: 2023/10/10
51: A61K; C07K
71: ACTICOR BIOTECH, UNIVERSITE PARIS CITÉ, UNIVERSITÉ PARIS-XIII, INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), UNIVERSITÉ PARIS-SACLAY
72: BILLIALD, PHILIPPE, JANDROT-PERRUS, MARTINE
33: EP 31: 15179908.7 32: 2015-08-05
54: NOVEL ANTI-HUMAN GPVI ANTIBODIES AND USES THEREOF
00: -
The present invention relates to humanized anti-human GPVI antibodies and uses thereof.

21: 2018/00902. 22: 2018/02/12. 43: 2023/10/10
51: H01F; G01R
71: LANDIS+GYR AG

72: IMFELD, JOE, RUMSCH, ANDREAS, SCHMID, PATRICK
33: EP 31: 14190420.1 32: 2014-10-27
54: A METHOD, SYSTEM AND ASSEMBLY FOR DETERMINING A REDUCTION OF REMAINING SERVICE LIFETIME OF AN ELECTRICAL DEVICE DURING A SPECIFIC TIME PERIOD OF OPERATION OF THE ELECTRICAL DEVICE
00: -
The present invention relates to a method of determining a reduction of remaining service lifetime of an electrical device (12) during a specific time period. A measurement system is provided comprising a voltage measurement device (26), a current measurement device (24), and a temperature measurement device (20). The temperature measurement device (20) is adapted to measure ambient temperature outside the electrical device (12) and derive a set of temperature values from the ambient temperature, set of current values, and set of voltage values. The method includes the steps of: (i) measuring a set of voltage values corresponding to the voltage applied to the electrical device (12) during the specific time period; (ii) measuring a set of current values corresponding to the current applied to the electrical device (12) during the specific time period; (iii) measuring a temperature value corresponding to the temperature of the electrical device (12) during the specific time period; (iv) determining a temperature dependent aging factor on the basis of the temperature value; and (v) determining the reduction of remaining service life on the basis of the specific time period and the temperature dependent aging factor.

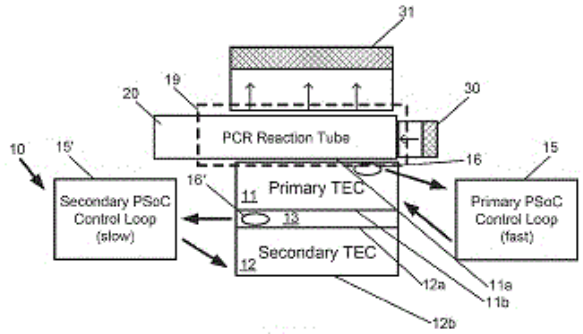


21: 2018/00931. 22: 2018/02/12. 43: 2023/10/20
51: G01N; C07C; C12N
71: SYNDAX PHARMACEUTICALS, INC.
72: ORDENTLICH, PETER
33: US 31: 62/219,612 32: 2015-09-16
33: US 31: 62/213,288 32: 2015-09-02
54: SELECTION OF PATIENTS FOR COMBINATION THERAPY
00: -
Described herein are methods for selecting cancer patients for treatment with a combination therapy comprising entinostat and a second therapeutic agent. In particular, methods are provided for the examination of a non-cancer cell type, myeloid-derived suppressor cells, e.g., those which are CD14-positive and HLA-DR-(lo/negative), as a therapeutic indicator in the setting of entinostat combination therapies.



21: 2018/01049. 22: 2018/02/15. 43: 2023/10/10
51: B01L
71: CEPHEID
72: FROMM, DAVID, PHAN, TIEN, PICCINI, MATTHEW
33: US 31: 62/196,267 32: 2015-07-23
54: THERMAL CONTROL DEVICE AND METHODS OF USE
00: -
Thermal control devices adapted to provide improved control and efficiency in temperature cycling are provided herein. Such thermal control device can include a thermoelectric cooler controlled in coordination with another thermal manipulation device to control an opposing face of the thermoelectric cooler and/or a microenvironment. Some such thermal control devices include a first and second thermoelectric cooler separated by a thermal capacitor. The thermal control devices can be configured in a planar configuration with a means for thermally coupling with a planar reaction vessel of a sample analyzer for use in thermal cycling in a polymerase chain reaction of the fluid sample in the

reaction vessel. Methods of thermal cycling using such a thermal control devices are also provided.



21: 2018/01685. 22: 2018/03/12. 43: 2023/10/10
51: A61K; C07D; A61P
71: BODOR LABORATORIES, INC.
72: BODOR, NICHOLAS S
33: US 31: 62/217,362 32: 2015-09-11
54: METHODS AND COMPOSITIONS FOR SOFT ANTICHOLINERGIC ESTERS
00: -
Intra-oral formulations comprising soft anticholinergic alkyl esters are useful for treating excessive drooling conditions in subjects, such as humans, suffering from sialorrhea. Preferably, at least one soft anticholinergic ester is provided in an effective amount or concentration in an anhydrous intra-oral formulation that can inhibit excessive drooling resulting from a condition known as sialorrhea.

21: 2018/01724. 22: 2018/03/13. 43: 2023/10/10
51: C07D; A61K; A61P
71: INFINITY PHARMACEUTICALS, INC.
72: GRENIER, LOUIS, LESCARBEAU, ANDRE, SHARMA, PRAVEEN, GENOV, DANIEL G
33: US 31: 62/218,493 32: 2015-09-14
33: US 31: 62/218,486 32: 2015-09-14
54: SOLID FORMS OF ISOQUINOLINONE DERIVATIVES, PROCESS OF MAKING, COMPOSITIONS COMPRISING, AND METHODS OF USING THE SAME
00: -
Solid forms of chemical compounds that modulate kinase activity, including PI3 kinase activity, and compounds, pharmaceutical compositions, and methods of treatment of diseases and conditions associated with kinase activity, including PI3 kinase activity, are described herein. Also provided herein are processes for preparing compounds, polymorphic forms, cocrystals, and amorphous forms thereof, and pharmaceutical compositions thereof.

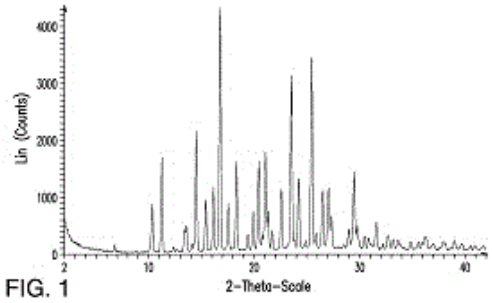
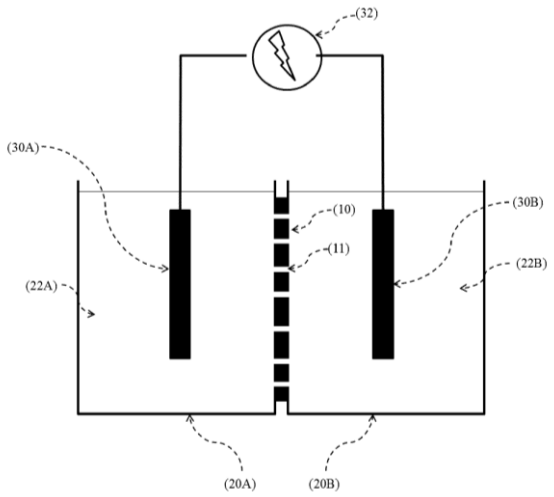


FIG. 1

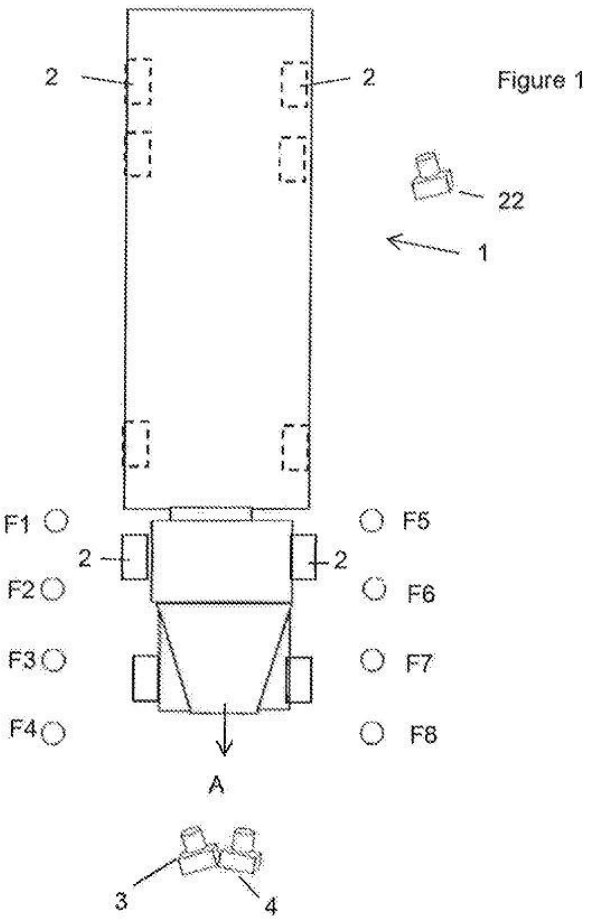
21: 2018/02018. 22: 2018/03/27. 43: 2023/11/20
51: B01D; F03G; H01M
71: SWEETCH ENERGY, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)
72: MOTTET, Bruno, BOCQUET, Lydéric, SIRIA, Alessandro, BECHELANY, Mikhael
33: EP 31: 15306346.6 32: 2015-09-02
54: DEVICE FOR PRODUCING ENERGY BY SALINITY GRADIENT THROUGH TITANIUM OXIDE NANOFLUID MEMBRANES
00: -
The present invention relates to a device for producing electrical energy, including two vessels A and B intended for each receiving a concentrated electrolyte solution CA and CB in the same solute and each including an electrode arranged so as to come into contact with the electrolyte solution, a membrane separating the two vessels, said membrane including at least one nanochannel arranged to allow the diffusion of the electrolytes from one vessel to the other through said one or more nanochannels, and a device making it possible to supply the electrical energy spontaneously generated by the differential in potential that exists between the two electrodes, characterised in that at least one portion of the inner surface of the one or more nanochannels is essentially made up of at least one titanium oxide. The present invention likewise relates to a method for producing electrical energy using said device.



21: 2018/02604. 22: 2018/04/19. 43: 2023/10/19
51: E02F
71: ESCO Group LLC
72: DARE, Michael C., CLARKE, Rodney K., QIAN, Junbo, DUNFORD, Matthew J., MOORE, Sean G., HODGES, Geoffrey R., AMES, Jared R., HANKLAND, Joel S.
33: US 31: 62/234,473 32: 2015-09-29
54: WEAR MEMBER FOR EARTH WORKING EQUIPMENT
00: -
A wear member and fastener for securing the wear member to earth working equipment. The fastener can be installed and maintained from the top of the assembly. An eccentric retainer is received in a recess of the wear member and is rotated to shift the wear member rearward on the earth working equipment. A bolt passing through aligned openings of the earth working equipment and the wear member is received by the retainer to secure the wear member to the earth working equipment.

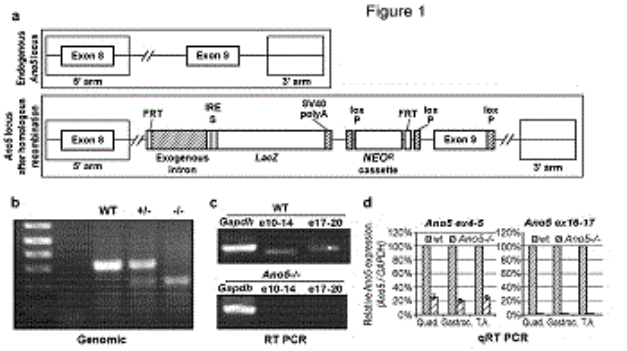
21: 2018/02706. 22: 2018/04/23. 43: 2023/10/10
51: A61K
71: REGENERON PHARMACEUTICALS, INC.
72: BRUDNICKI, PHILIP, CHEN, HUNTER
33: US 31: 62/268,259 32: 2015-12-16
54: COMPOSITIONS AND METHODS OF MANUFACTURING PROTEIN MICROPARTICLES
00: -
Micron-sized particles containing a therapeutic protein and optionally excipients and a coating of a biocompatible and biodegradable polymer, and methods of making and using those microparticles are provided. The therapeutic protein formulated as a pharmaceutical powder of micron-sized particles remains stable for extended periods of time and is amenable to polymer coating for extended release and stability under physiological conditions.

21: 2018/03052. 22: 2018/05/09. 43: 2023/09/27
51: B60C; G01B; G01M
71: WHEELRIGHT LIMITED
72: ROSE, Peter Norman, CODD, Alexander Paul, KAZMI, Syed Wajahat Ali Shah
33: GB 31: 1517926.0 32: 2015-10-09
54: TYRE CONDITION ANALYSIS
00: -
The condition of a tyre (5) on a wheel (2) is assessed while the wheel (2) is mounted on a vehicle (1) and while the vehicle (1) is moving. As the vehicle (1) moves, the tyre (5) rotates and moves longitudinally along a path of movement. An imaging device (3, 4) captures images of a plurality of different portions (7) of the periphery of the tyre (5), which has tread portions (10) separated by tread gaps (11), whilst the tyre (5) revolves. While the images are being captured, longitudinally spaced flash units (F1, F2, F3, F4) are activated to illuminate portions (7) of the periphery of the tyre (5). The flash units (F1, F2, F3, F4) are positioned to one side of the path of movement of the tyre (5) and direct light at an acute angle to the path of movement of the tyre (5) so that the light causes shadows to be cast in the tread gaps (11) between tread portions (10). Each flash unit (F1, F2, F3, F4) causes a series of flashes of light to be produced when the flash unit (F1, F2, F3, F4) is activated, each flash of light in the series being separated from the next flash of light in the series by an interval. For any flash units (F1, F2, F3, F4) which are activated at the same time and illuminate overlapping portions of the periphery of tyre (5), the respective series of flashes of light are out of phase so that the flashes of light from one flash unit (F1, F2, F3, F4) are emitted in the intervals between the flashes of light from the or each other flash unit (F1, F2, F3, F4). The images are analysed by data processing apparatus (8) to determine the extent of shadows in the tread gaps (11) so as to provide an indication of the depth of the tread gaps (11).

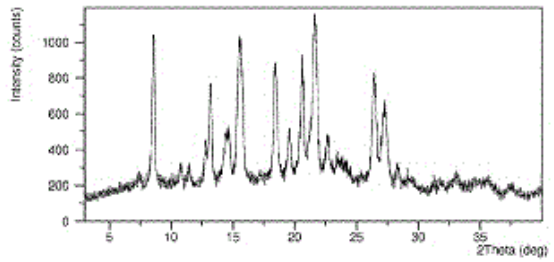


21: 2018/03079. 22: 2018/05/10. 43: 2023/10/10
51: C07K; A61K; C12N
71: GENMAB B.V.
72: OVERDIJK, MARIJE, STRUMANE, KRISTIN, RADEMAKER, RIK, BREIJ, ESTHER, SCHUURMAN, JANINE, PARREN, PAUL
33: DK 31: PA 2015 00787 32: 2015-12-07
33: DK 31: PA 2016 00701 32: 2016-11-10
33: DK 31: PA 2016 00702 32: 2016-11-10
33: DK 31: PA 2015 00788 32: 2015-12-07
33: DK 31: PA 2015 00771 32: 2015-12-01
54: ANTI-DR5 ANTIBODIES AND METHODS OF USE THEREOF
00: -
The present invention relates to monospecific or bispecific antibody molecules that specifically bind the human DR5 antigen. The invention relates in particular to DR5-specific antibody molecules of the IgG1 isotype having a mutation in the Fc region that enhances clustering of IgG molecules after cell-surface antigen binding leading to the induction of DR5 signalling, apoptosis and cell death. The invention further relates to a combination of antibody molecules binding different epitopes on DR5. The invention also relates to pharmaceutical compositions containing these molecules and the treatment of cancer using these compositions.

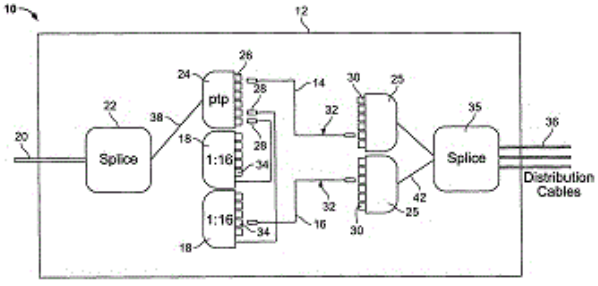
21: 2018/03080. 22: 2018/05/10. 43: 2023/10/10
51: A61K; A61P; C07K
71: RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL
72: RODINO-KLAPAC, LOUISE
33: US 31: 62/254,539 32: 2015-11-12
33: US 31: 62/419,793 32: 2016-11-09
54: METHODS OF TREATING MUSCULAR DYSTROPHY
00: -
The invention provides for AAV vectors expressing the ANO5 gene and antioxidant therapy as methods of inducing muscle regeneration and a method of treating muscular dystrophy.



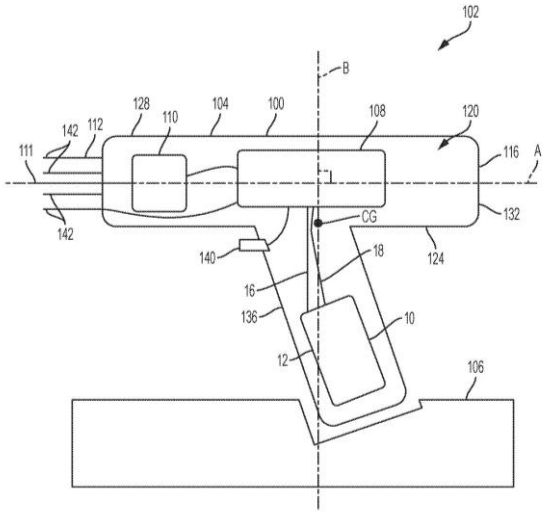
21: 2018/03162. 22: 2018/05/14. 43: 2023/10/10
51: A61K; C07H
71: LES LABORATOIRES SERVIER
72: AGRESTA, SAMUEL V
33: US 31: 62/242,267 32: 2015-10-15
33: US 31: 62/255,253 32: 2015-11-13
54: COMBINATION THERAPY FOR TREATING MALIGNANCIES
00: -
Provided are methods and compositions for treating cancers in patients carrying an IDH1 mutation using a combination of an inhibitor of a mutant IDH1 enzyme and an AML induction and consolidation therapy.



21: 2018/03728. 22: 2018/06/05. 43: 2023/10/10
51: G02B
71: COMMSCOPE CONNECTIVITY BELGIUM BVBA
72: VAN BAELEN, DAVID JAN IRMA, SCHURMANS, ERIC, ZAVREL, JIRI
33: US 31: 62/261,606 32: 2015-12-01
54: CABLE DISTRIBUTION SYSTEM WITH FAN OUT DEVICES
00: -
A cable distribution system is provided wherein a feeder cable with one or more feeder fibers is received by a distribution terminal, device, or box. The feeder fibers are spliced to a feeder fan out device. Customers can directly connect to the feeder fan out device by patching between the feeder fan out device and a distribution fan out device that is spliced to a distribution cable. This connection creates a point-to-point connection. Alternatively, a splitter input can be connected to the feeder fan out device wherein the splitter splits the signal as desired into a plurality of outputs. The outputs of the splitters can be in the form of connectors or adapters. The connectors or adapters are then connected to the distribution fan out device, and customers can receive a split signal through the distribution cable that is spliced with the distribution fan out device.



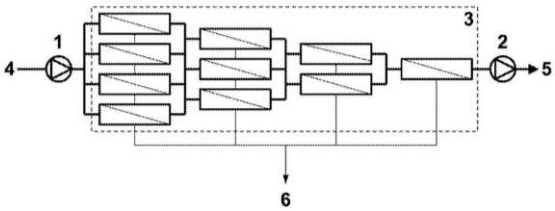
21: 2018/04123. 22: 2018/06/20. 43: 2023/10/25
51: A61N; C12N
71: Inovio Pharmaceuticals, Inc.
72: STADELMANN, Beat, KEMMERRER, Stephen
33: US 31: 62/270,998 32: 2015-12-22
54: ELECTROPORATION DEVICE HAVING A BATTERY PACK WITH POWER SWITCH
00: -
An electroporation device having a battery pack including a plurality of battery cells and at least one lead in electrical communication with a circuit board. The battery pack including a safety switch and a controller for selectively placing the battery cells in electrical communication with the one lead. Where the controller is in operable communication with the safety switch such that when the controller detects one or more operating conditions the controller instructs the safety switch to electrically isolate the lead from the battery cells. The battery pack also includes a manual switch, and where activation of the switch causes the controller to instruct the safety switch to electrically isolate the lead from the battery cells.



21: 2018/04129. 22: 2018/06/20. 43: 2023/12/05
51: B01D
71: WATER RESEARCH COMMISSION
72: BARWELL, Laurie, BREDENKAMP, Johannes Michiel, PILLAY, Visvanathan Lingamurthi
33: ZA 31: 2015/08575 32: 2015-11-20
54: MICROFILTRATION ASSEMBLY AND METHOD OF MANUFACTURE
00: -
A microfiltration filter, an assembly containing such a filter and a method of manufacturing such a filter is provided. In one embodiment the method comprises folding a sheet of woven fibre filtration material onto

itself, thereby providing an elongate double sheet of filtration material having two substantially parallel planar sides with aligned edges. The double sheet has open and bind long edges and two short opposing open edges. The method includes positioning an elongate collection manifold between the sides at least partway along and at or near the blind edge, providing a fluid outlet in at least one of the sides wherein the fluid includes sealing the open long edge and short edges of the double sheet to form a liquid impervious seal and a planar, elongate collection chamber between the sides, and folding the elongate collection chamber across the long edges to create a filter with multiple adjacent layers of planar, elongate collection chamber.

21: 2018/04527. 22: 2018/07/06. 43: 2023/10/25
51: C07K
71: FUJIFILM Diosynth Biotechnologies UK Limited
72: HEISE, Charles, NAGY, Tibor
33: GB 31: 1600287.5 32: 2016-01-07
54: TANGENTIAL FLOW FILTRATION PROCESS FOR CONCENTRATING BIOMOLECULE SOLUTIONS
00: -
A method of concentration of a liquid comprising a biomolecule is provided. The method comprises passing the liquid through a tangential flow filtration device under pressure, wherein the pressure applied is varied between at least a higher pressure and a lower pressure. Preferably, the variation in pressure is delivered by the use of a variable flow- controller, such as a valve.



21: 2018/04694. 22: 2018/07/13. 43: 2023/09/26
51: H04N
71: QUALCOMM Incorporated
72: LI, Xiang, ZHANG , Li, CHIEN, Wei-Jung, CHEN, Jianle, ZHAO, Xin, KARCZEWICZ, Marta
33: US 31: 62/279,233 32: 2016-01-15
54: MULTI-TYPE-TREE FRAMEWORK FOR VIDEO CODING
00: -
A method of decoding video data including receiving a bitstream that includes a sequence of bits that forms a representation of a coded picture of the video data, partitioning the coded picture of the video data into a plurality of blocks using three or more different partition structures, and reconstructing the plurality of blocks of the coded picture of the video data. Partitioning the coded picture of the video data may include partitioning the coded picture of the video data into the plurality of blocks using the three or more different partition structures, wherein at least three of the three or more different partition structures may be used at each depth of a tree structure that represents how a particular block of the coded picture of the video data is partitioned.

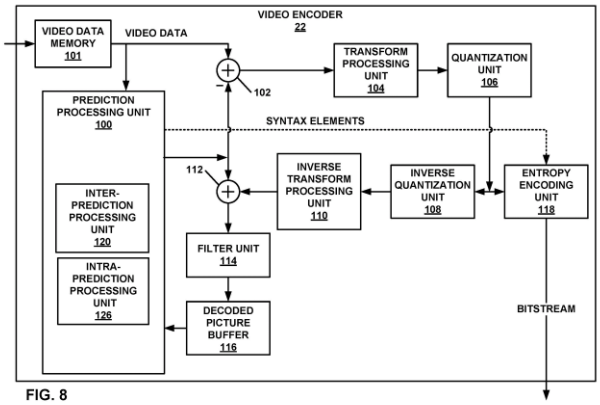
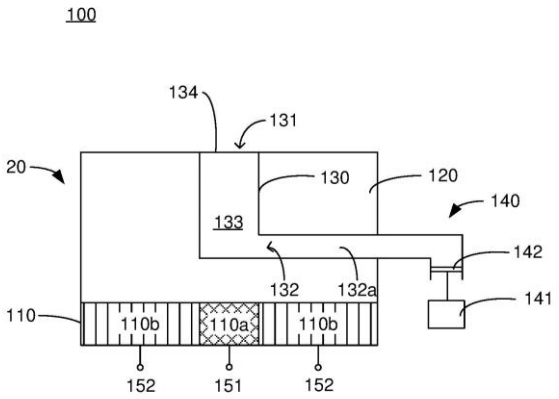


FIG. 8

21: 2018/04847. 22: 2018/07/18. 43: 2023/10/10
51: A61K; A61P
71: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, FISHERIES RESEARCH AND DEVELOPMENT CORPORATION
72: OSBORNE, SIMONE
33: AU 31: 2016900175 32: 2016-01-21
54: BLACKLIP ABALONE (HALIOTIS RUBRA) EXTRACT
00: -
The present invention provides extracts and extract fractions of blacklip abalone (*Haliotisrubra*) processing waste. Processes for the preparation of the extract and fractions thereof and use of the extract or fraction as an ingredient, medicament, dietary supplement or nutraceutical are also described.

21: 2018/05682. 22: 2018/08/24. 43: 2023/10/10
51: C01B; B01J
71: BASF SE
72: KALO, BENEDIKT, GEIGER, THOMAS, KÖNIG, RENÉ, MÜLLER, ULRICH, MAURER, STEFAN
33: EP 31: 16162900.1 32: 2016-03-30
54: PROCESS FOR THE FLASH CALCINATION OF A ZEOLITIC MATERIAL
00: -
The present invention relates to a process for the calcination of a zeolitic material, wherein said process comprises the steps of (i) providing a zeolitic material comprising YO2 and optionally further comprising X2O3 in its framework structure in the form of a powder and/or of a suspension of the zeolitic material in a liquid, wherein Y stands for a tetravalent element and X stands for a trivalent element; (ii) atomization of the powder and/or of the suspension of the zeolitic material provided in (i) in a gas stream for obtaining an aerosol; (iii) calcination of the aerosol obtained in (ii) for obtaining a calcined powder; as well as to a zeolitic material obtainable and/or obtained according the inventive process, and to its use as a molecular sieve, as an adsorbent, for ion-exchange, as a catalyst, and/or as a catalyst support.

21: 2018/06019. 22: 2018/09/07. 43: 2023/10/24
51: A61B
71: Wuxi Hisky Medical Technologies Co., Ltd.
72: MAO, Junwei
33: CN 31: 201610257070.4 32: 2016-04-22
54: ULTRASONIC PROBE AND ULTRASONIC DETECTION DEVICE PROVIDED WITH SAID ULTRASONIC PROBE
00: -
An ultrasonic probe (100), and an ultrasonic detection device provided with said ultrasonic probe (100). The ultrasonic probe (100) comprises: an ultrasonic transducer array (110), used for emitting and receiving ultrasonic waves; a conduction apparatus (20), arranged at the front end of the ultrasonic transducer array (110), the conduction apparatus (20) comprising fluid cavities (130, 130') filled with fluid (133, 133'), the fluid cavities (130, 130') having mutually communicating openings (131, 131') and energy receiving ports (132, 132'), the openings (131, 131') being arranged on the front surface of the conduction apparatus (20) and being covered by an elastic film (134); and an energy application apparatus (140), connected to the energy receiving ports (132, 132'), and used for applying energy to the fluid (133, 133') in the fluid cavities (130, 130'), such that the elastic film (134) vibrates to produce shear waves. The ultrasonic detection device uses the entire ultrasonic transducer array (110) to receive ultrasonic wave signals containing shear wave information, without the need for interpolation or beamforming of the ultrasonic wave signals, thereby improving the convenience and precision of measurements; thus, imaging effects are good, the amount of data processing is small, and detection speed is fast. The ultrasonic detection device supports a transient elastography function and also supports a traditional ultrasonic imaging and transient elastography combined function.



21: 2018/06220. 22: 2018/09/14. 43: 2023/10/03
51: A01B; A01C
71: MYGRAIN SOLUTIONS PTY LTD
72: MICHAEL FELS
33: AU 31: 2016900544 32: 2016-02-16
54: SEEDING APPARATUS
00: -
A seeding apparatus comprising a frame having a first section adapted to be attached to a toolbar for towing by a vehicle, and a second section comprising a cutting unit and a seeding unit, the cutting unit comprising at least one cutting disc and the seeding unit comprising at least one seed boot and at least one seed boot mounting, the seed boot mounting comprising a bar configured to locate the seed boot adjacent a side surface of the cutting disc, wherein the bar comprises a proximal end attached to the frame of the seeding apparatus, and a distal end for attachment of the seed boot. The invention

also relates to a cutting and seeding assembly for mounting on the seeding apparatus.

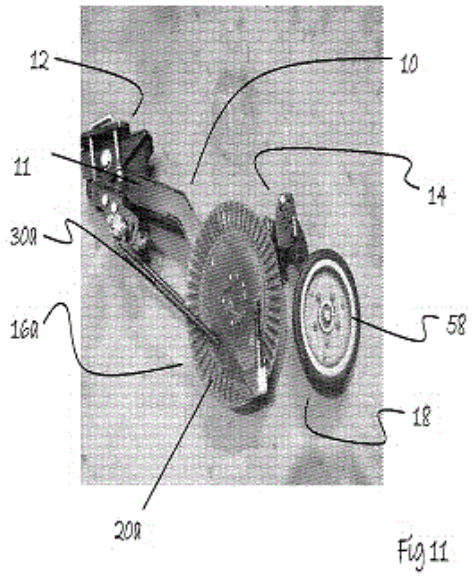


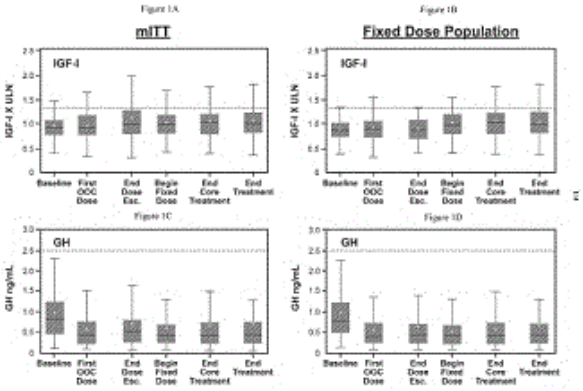
Fig 11

21: 2018/06746. 22: 2018/10/10. 43: 2023/10/10
51: A61K; A61P; C07K; C12N
71: RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL
72: RODINO-KLAPAC, LOUISE, MENDELL, JERRY R
33: US 31: 62/323,163 32: 2016-04-15
33: US 31: 62/473,253 32: 2017-03-17
54: ADENO-ASSOCIATED VIRUS VECTOR DELIVERY OF MICRO-DYSTROPHIN TO TREAT MUSCULAR DYSTROPHY
00: -
The invention provides for recombinant AAV vectors comprising a miniaturized human micro-dystrophin gene and methods of using the recombinant vectors to reduce or prevent fibrosis in subjects suffering from muscular dystrophy.

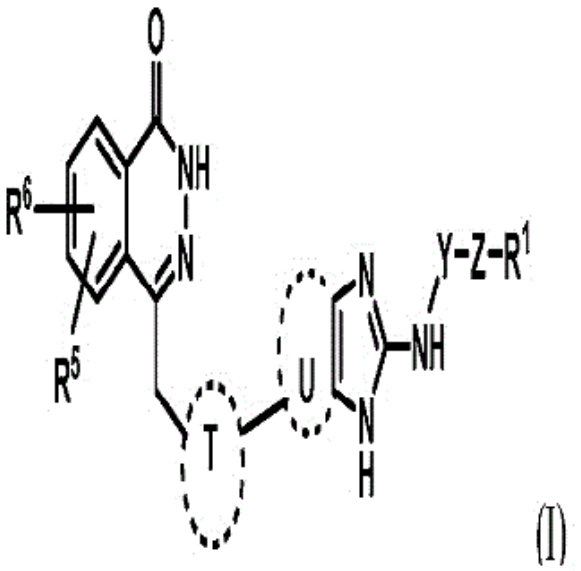
21: 2018/07218. 22: 2018/10/29. 43: 2023/10/13
51: A61K; C07K
71: CAMBRIDGE ENTERPRISE LIMITED, THE SYDNEY CHILDREN'S HOSPITALS NETWORK (RANDWICK AND WESTMEAD)
72: LACHMANN, PETER, ALEXANDER, IAN
33: GB 31: 1608046.7 32: 2016-05-09
54: TREATMENT OF COMPLEMENT-MEDIATED DISORDERS
00: -
Methods of treatment of complement-mediated disorders, in particular disorders associated with over-activity of the complement C3b feedback cycle (for example, age-related macular degeneration (AMD)), using gene therapy is described. According to the methods, levels of complement Factor I are elevated by administration of a recombinant viral vector encoding Factor I such that a therapeutically effective amount of the encoded Factor I is expressed from the vector in the subject. Recombinant viral vectors encoding Factor I, recombinant virus particles encapsidating the vectors, and their use in the methods of treatment, is also described.

21: 2018/08086. 22: 2018/11/29. 43: 2023/10/10
51: A61K; A61P
71: AMRYT ENDO, INC.
72: MAMLUK, RONI
33: US 31: 62/111,369 32: 2015-02-03
33: US 31: 62/136,012 32: 2015-03-20
54: METHOD OF TREATING DISEASES
00: -

Methods of treating acromegaly in a subject are described herein. Exemplary methods include orally administering to the subject at least once daily at least one dosage form comprising octreotide, wherein the octreotide in each dosage form is 20 mg, and wherein the administering occurs at least 1 hour before a meal or at least 2 hours after a meal.



21: 2018/08562. 22: 2018/12/19. 43: 2023/10/10
51: C07D; A61K; A61P
71: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, ATLASMEDX, INC.
72: TSANG, TSZE, PETO, CSABA J, JABLONS, DAVID M, LEMJABBAR-ALAOUI, HASSAN
33: US 31: 62/354,449 32: 2016-06-24
33: US 31: 62/426,095 32: 2016-11-23
54: PHTHALAZINE DERIVATIVES AS INHIBITORS OF PARP1, PARP2 AND/OR TUBULIN USEFUL FOR THE TREATMENT OF CANCER
00: -
The application relates to phthalazine derivatives of formula (I) which are inhibitors of PARP1, PARP2 and/or tubulin and thus useful for the treatment of cancer. Also disclosed are pharmaceutical formulations containing such compounds, as well as combinations of these compounds with at least one additional therapeutic agent.



21: 2019/00360. 22: 2019/01/18. 43: 2023/10/10
51: B65D
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: BROZELL, BRIAN J, GRANT, EDWARD A
33: US 31: 13/875,006 32: 2013-05-01
54: CONTAINER WITH POUR SPOUT
00: -
This invention concerns a method of making a container including forming a parison in a blank mold wherein the parison includes a body and a neck finish, and the neck finish includes a neck finish interior, a sealing surface facing generally axially and extending fully circumferentially continuously around the neck finish interior, and at least one axially facing shoulder. The forming step comprises forming, by a plunger of the blank mold, a first portion of the neck finish interior to have a first geometry, and forming, by one of the plunger and a guide ring of the blank mold, a second portion of the neck finish interior to have a second geometry different than the first geometry and that includes the at least one axially facing shoulder being axially recessed with respect to the axially facing sealing surface, and blowing the parison in a blow mold to form the container, which has the beck finish having the axially facing sealing surface extending fully circumferentially around the neck finish interior and the neck finish interior having the at least one axially facing shoulder axially recessed with respect to the axially facing sealing surface.

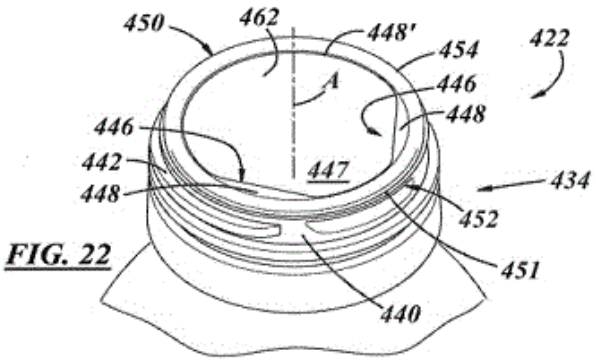
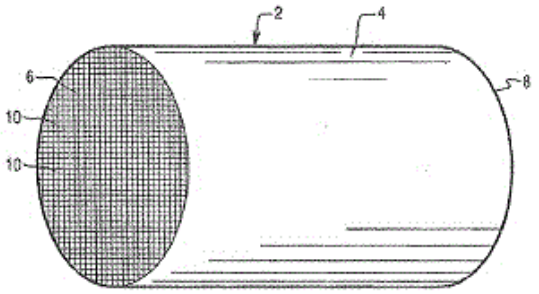


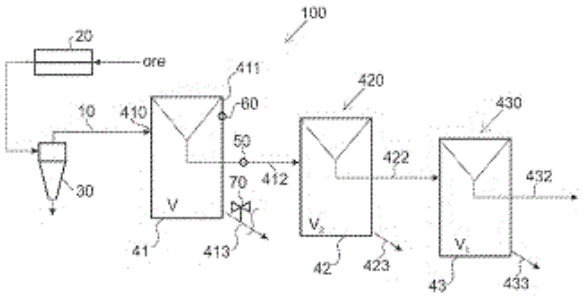
FIG. 22

21: 2019/00874. 22: 2019/02/11. 43: 2023/10/18
51: C07D; A61P; A61K
71: SYROS PHARMACEUTICALS, INC.
72: MARINEAU, JASON J, ZAHLER, ROBERT, CIBLAT, STEPHANE, WINTER, DANA K, KABRO, ANZHELIKA, ROY, STEPHANIE, SCHMIDT, DARBY, CHUAQUI, CLAUDIO, MALOJCIC, GORAN, PIRAS, HENRI, WHITMORE, KENNETH MATTHEW, LUND, KATE-LYN, SINKO, WILLIAM, SPROTT, KEVIN
33: US 31: 62/361,852 32: 2016-07-13
54: INHIBITORS OF CYCLIN-DEPENDENT KINASE 7 (CDK7)
00: -
The present invention provides novel compounds of Formula (I) and pharmaceutically acceptable salts, solvates, hydrates, tautomers, stereoisomers, isotopically labeled derivatives, and compositions thereof. Also provided are methods and kits involving the compounds or compositions for treating or preventing proliferative diseases (e.g., cancers (e.g., leukemia, melanoma, multiple myeloma), benign neoplasms, angiogenesis, inflammatory diseases, autoinflammatory diseases, and autoimmune diseases) in a subject. Treatment of a subject with a proliferative disease using a compound or composition of the invention may inhibit the aberrant activity of cyclin-dependent kinase 7 (CDK7), and therefore, induce cellular apoptosis and/or inhibit transcription in the subject.

21: 2019/00940. 22: 2019/02/13. 43: 2023/10/10
51: B01J; F01N
71: BASF CORPORATION
72: XUE, WEN-MEI, YANG, JEFF, ROTH, STANLEY, VOSS, KENNETH E, SHAH, SANDIP, MOHANAN, JAYA L
33: US 31: 62/371,527 32: 2016-08-05
54: SELECTIVE CATALYTIC REDUCTION ARTICLES AND SYSTEMS
00: -
Certain selective catalytic reduction (SCR) articles, systems and methods provide for high NOx conversion while at the same time low N2O formation. The articles, systems and methods are suitable for instance for the treatment of exhaust gas of diesel engines. Certain articles have zoned coatings containing copper-containing molecular sieves disposed thereon, where for example a concentration of catalytic copper in an upstream zone is lower than the concentration of catalytic copper in a downstream zone.

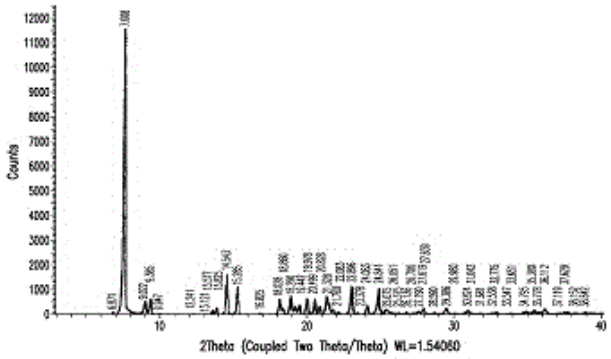


21: 2019/01059. 22: 2019/02/19. 43: 2023/10/10
51: B03D; C22B; G01F
71: METSO OUTOTEC FINLAND OY
72: RINNE, ANTTI, BOURKE, PETER GERARD
54: FLOTATION METHOD
00: -
A flotation method for recovering valuable metal containing ore particles from ore particles suspended in slurry is disclosed. In the method, the slurry is treated in an at least one overflow flotation cell (41) and the valuable metal containing ore particles are recovered by conducting the continuous upwards flow of slurry out of the at least one overflow flotation cell (41) as slurry overflow (412, 422, 432). At least part of the slurry overflow (412, 422, 432) is conducted to a further treatment step in a treatment system.

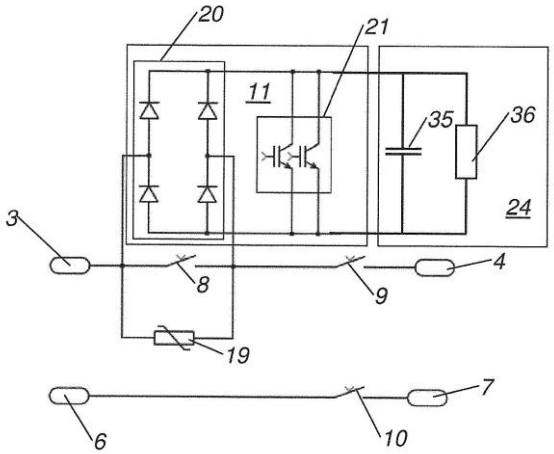


21: 2019/01308. 22: 2019/03/01. 43: 2023/10/10
51: A01N; A01P
71: FMC CORPORATION
72: KRAUSE, JENS, HAMBROCK, RALF
33: EP 31: 16182780.3 32: 2016-08-04
54: AQUEOUS 2-(2,4-DICHLOROPHENYL)METHYL -4,4-DIMETHYL-3-ISOXAZOLIDINONE-BASED CAPSULE SUSPENSION CONCENTRATES
00: -
The present invention relates to aqueous 2-[(2,4-dichlorophenyl)methyl]-4,4'-dimethyl-3-isoxazolidinone-based capsule suspension concentrates, the production thereof and to the mixtures thereof with suspension concentrates and the use thereof as agrochemical formulations.

21: 2019/01321. 22: 2019/03/01. 43: 2023/10/10
51: A61K
71: CELGENE CORPORATION, AGIOS PHARMACEUTICALS, INC.
72: BHAT, SREENIVAS S, BURNSIDE, SCOTT, PARIKH, DARSHAN, GU, CHONG-HUI, ALTAF, SYED
33: US 31: 62/384,643 32: 2016-09-07
33: US 31: 62/535,162 32: 2017-07-20
54: TABLET COMPOSITIONS
00: -
Provided herein is a tablet comprising: 2-methyl-1-[(4-[6-(trifluoromethyl)pyridin-2-yl]-6-{[2-(trifluoromethyl)pyridin-4-yl]amino}-1,3,5-triazin-2-yl)amino]propan-2-ol or a pharmaceutically acceptable salt thereof.



21: 2019/01461. 22: 2019/03/08. 43: 2023/10/30
51: H01H
71: Eaton Intelligent Power Limited
72: ASKAN, Kenan
33: DE 31: 10 2016 117 004.6 32: 2016-09-09
54: CIRCUIT BREAKER
00: -
In a low-voltage circuit breaker (1) having an external conductor section (2) and a neutral conductor section (5), wherein a mechanical bypass switch (8) is arranged in the external conductor section (2), wherein a first semiconductor circuit arrangement (11) of the low-voltage circuit breaker (1) is connected in parallel with the bypass switch (8), wherein a current measuring arrangement (12) is arranged in the external conductor section (2) and is connected to an electronic control unit (13) of the low-voltage circuit breaker (1), wherein the electronic control unit (13) is designed to actuate the bypass switch (8) and the first semiconductor circuit arrangement (11) when a prespecifiable overcurrent, in particular a short-circuit current, is detected by the current measuring arrangement (12), it is proposed that the snubber has a capacitor and also a resistor which is arranged in a manner connected in parallel with the capacitor.



21: 2019/02155. 22: 2019/04/05. 43: 2023/10/10
51: A61K
71: TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION
72: MERALI, SALIM, BARRERO, CARLOS A, CHILDERS, WAYNE E, MORTON, GEORGE C
33: US 31: 62/384,390 32: 2016-09-07
54: COMPOSITIONS AND METHODS FOR TREATMENT OF INSULIN RESISTANCE
00: -
Compounds of Formula (I), and pharmaceutically effective salts thereof; wherein R1 - R14, m, n, o, p, q and r are as defined herein, are provided for treatment of for increasing insulin sensitivity, reducing insulin resistance, preventing insulin resistance and treating insulin resistance disorders.

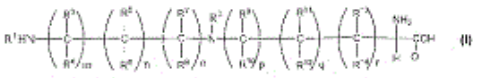
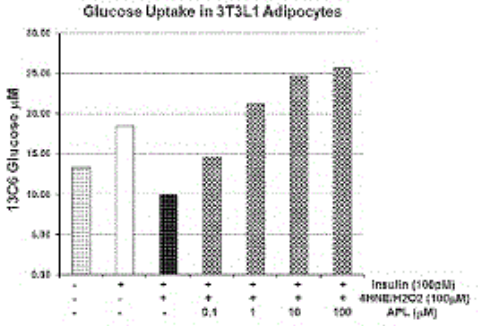
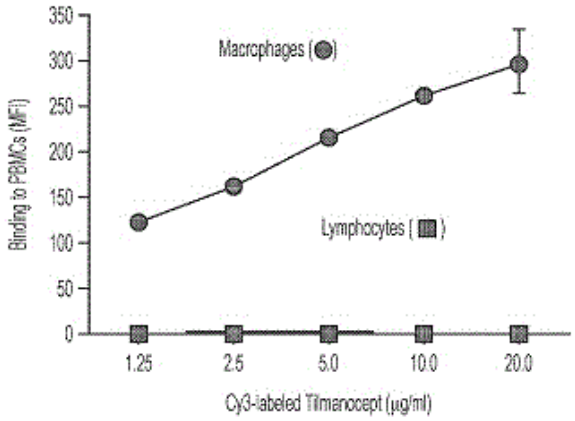


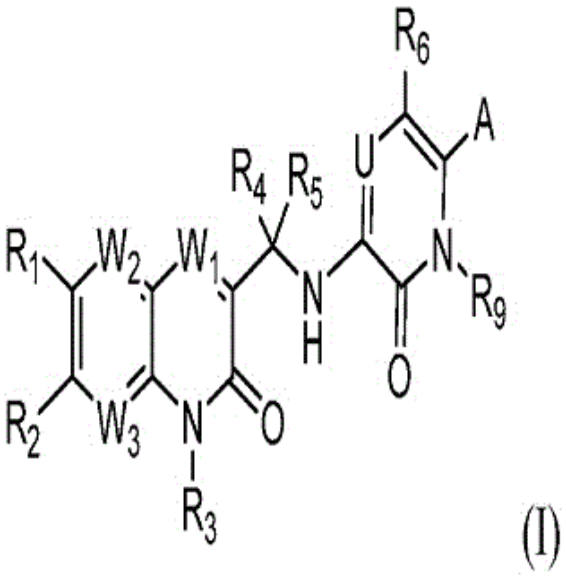
FIG. 5



21: 2019/02384. 22: 2019/04/15. 43: 2023/10/10
51: A61K
71: NAVIDEA BIOPHARMACEUTICALS, INC.
72: COPE, FREDERICK O
33: US 31: 62/405,713 32: 2016-10-07
54: COMPOUNDS AND COMPOSITIONS FOR TREATING LEISHMANIASIS AND METHODS OF DIAGNOSIS AND TREATING USING SAME
00: -
Compositions and methods of using these compositions that can include a targeting moiety and a therapeutic agent are described herein. These compositions can be used for treating inflammatory diseases, such as parasitic diseases that result in cutaneous lesions. For example, and without limitation, such an parasitic disease can be leishmaniasis.



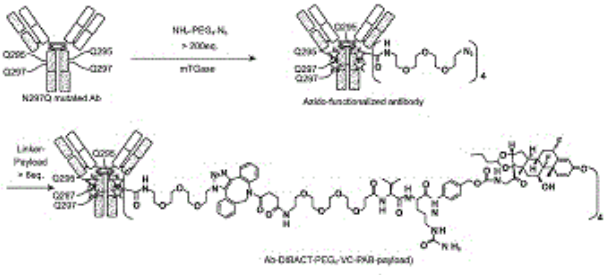
21: 2019/02446. 22: 2019/04/17. 43: 2023/10/10
51: C07D; A61P; A61K
71: FORMA THERAPEUTICS, INC.
72: ASHWELL, SUSAN, CAMPBELL, ANN-MARIE, CARAVELLA, JUSTIN A, DIEBOLD, R BRUCE, ERICSSON, ANNA, GUSTAFSON, GARY, LANCIA JR, DAVID R, LIN, JIAN, LU, WEI, WANG, ZHONGGUO
33: US 31: 62/128,089 32: 2015-03-04
33: US 31: 62/150,812 32: 2015-04-21
33: US 31: 62/053,006 32: 2014-09-19
54: PYRIDIN-2(1H)-ONE QUINOLINONE DERIVATIVES AS MUTANT-ISOCITRATE DEHYDROGENASE INHIBITORS
00: -
The invention relates to inhibitors of mutant isocitrate dehydrogenase (mt-IDH) proteins with neomorphic activity useful in the treatment of cell-proliferation disorders and cancers, having the Formula: (I) where A, U, W1, W2, W3, R1-R6, and R9 are described herein.



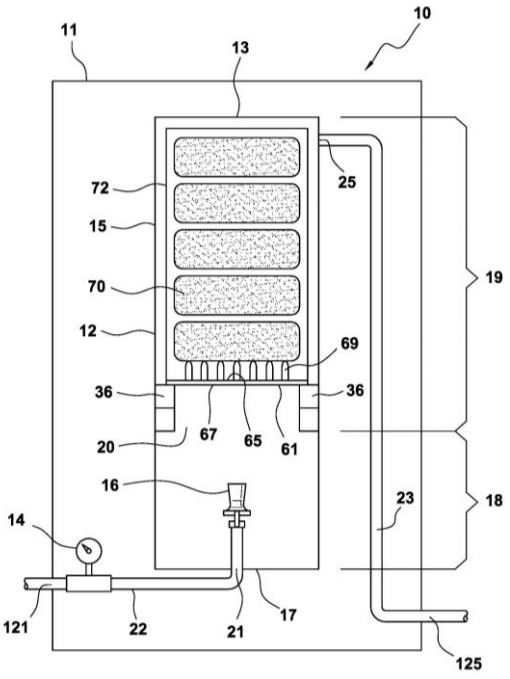
(I)

21: 2019/02629. 22: 2019/04/25. 43: 2023/10/10
51: A61K; A61P
71: TAIHO PHARMACEUTICAL CO., LTD.
72: MIYADERA, KAZUTAKA, AOYAGI, YOSHIMI, HASAKO, SHINICHI
33: JP 31: 2016-213072 32: 2016-10-31
54: SELECTIVE INHIBITOR OF EXON 20 INSERTION MUTANT EGFR
00: -
An antitumor agent for treating a patient suffering from a malignant tumor expressing EGFR that has an exon 20 insertion mutation, said antitumor agent comprising a compound selected from the group consisting of compounds A to D described in the description or a salt thereof.

21: 2019/02871. 22: 2019/05/07. 43: 2023/10/10
51: C07J; A61K
71: REGENERON PHARMACEUTICALS, INC.
72: HAN, AMY, OLSON, WILLIAM, MURPHY J., ANDREW
33: US 31: 62/508,317 32: 2017-05-18
33: US 31: 62/419,365 32: 2016-11-08
54: STEROIDS AND PROTEIN-CONJUGATES THEREOF
00: -
Described herein protein steroid conjugates whereby a glucocorticoid compound is conjugated to a binding agent which is preferably an antibody. These are useful, for example, for the target-specific delivery of glucocorticoids (GCs) to cells.



21: 2019/02895. 22: 2019/05/09. 43: 2023/10/02
51: B01D; B01F; C02F; E04H
71: Innovative Water Care, LLC
72: BLANCHETTE, David, WEST, Enloe, TURNER, David
33: US 31: 62/421,559 32: 2016-11-14
54: APPARATUS AND METHOD OF FORMING A CHEMICAL SOLUTION
00: -
A low flow apparatus for creating a solution in water of a solid chemical is provided. Also provided is a cartridge containing a solid chemical which may be placed into the apparatus. Further provided is a method of using the apparatus to create a chemical solution form a solid chemical.

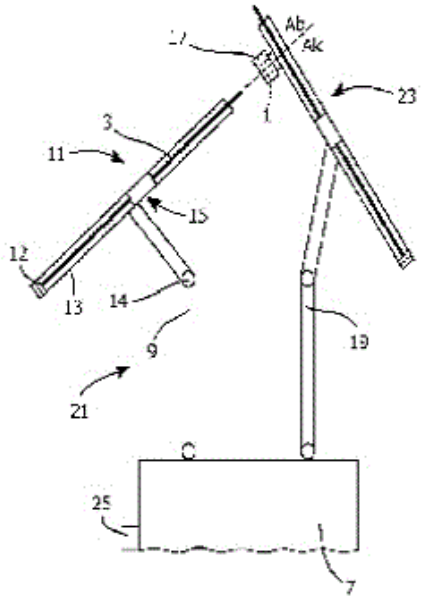


21: 2019/02985. 22: 2019/05/13. 43: 2023/10/10
51: E21B
71: EPIROC ROCK DRILLS AKTIEBOLAG
72: ENGBLOM, JOHAN
33: SE 31: 1651565-2 32: 2016-11-29

54: METHOD, APPARATUS AND HOLDER FOR MOUNTING OF A DRILL BIT

00: -

Herein a method (100), a device (21) and a holder (17) for rock drilling is described. The method (100) comprises the steps of: aligning (101) a drill rod (3) arranged at a first drilling unit (11) by using a first arm (9) towards a drill bit (1) placed in a fixedly arranged holder (17) adapted to hold at least two drill bits so that the axis of rotation of the drill rod (Ab) substantially coincides with an axis of rotation (Ak) of the drill bit (1), wherein a free movement of the first drilling unit (11) in relation to the holder (17) is permitted, to displace (103) the drill bit (3) axially forward towards the drill bit (1) to a first position of the drill bit (3) permitting mounting of the drill bit (1), mounting (105) the drill bit (1) on the drill rod (3) and displacing (107) the drill rod (3) axially backward to a second position in which the drill bit (1) has been removed from the holder (17).



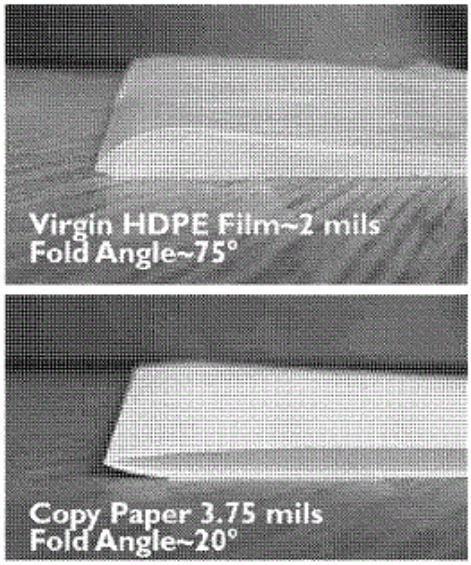
21: 2019/03226. 22: 2019/05/22. 43: 2023/09/26
51: A61K; C12N; G01N
71: GENUV Inc.
72: CHOI, Kang-Yell, KIM, Mi-Yeon, HAN, Sungho
33: KR 31: 10-2016-0158739 32: 2016-11-25

54: COMPOSITION FOR PROMOTING DIFFERENTIATION OF AND PROTECTING NEURAL STEM CELLS AND METHOD FOR INDUCING NEURAL REGENERATION USING SAME

00: -

The present invention relates to a method for inducing neural regeneration comprising administering an MEK 1/2 inhibitor to a patient in need thereof. In particular, according to the method of the present invention, the MEK 1/2 inhibitor induces neural regeneration by differentiating neural stem cells into neural cells, protecting neural cells and neural stem cells from beta amyloid-induced cytotoxicity, or both. The present invention also relates to a method for protecting neural cells from loss or damage of neural cells comprising administering an MEK 1/2 inhibitor. In addition, the present invention relates to a method for preventing or treating neurodegenerative diseases caused by a loss or damage of neural cells, comprising administering the MEK 1/2 inhibitor to a patient in need thereof.

21: 2019/03547. 22: 2019/06/03. 43: 2023/10/10
51: C08L; B32B
71: AMPACET CORPORATION
72: PARSONS, MARK, NEVINS, DANNY, BROWNFIELD, DOUG
33: US 31: 15/812,276 32: 2017-11-14
33: US 31: 62/421,641 32: 2016-11-14
54: SYNTHETIC PAPER WITH IMPROVED TEAR PROPERTIES AND METHODS OF MANUFACTURING
00: -
Synthetic paper that includes at least one resin layer formed from a composition including a polymeric resin and a low aspect ratio filter, a tear additive, or both. The present invention also relates to methods for making the synthetic paper. The synthetic paper has the texture and appearance of tissue paper.



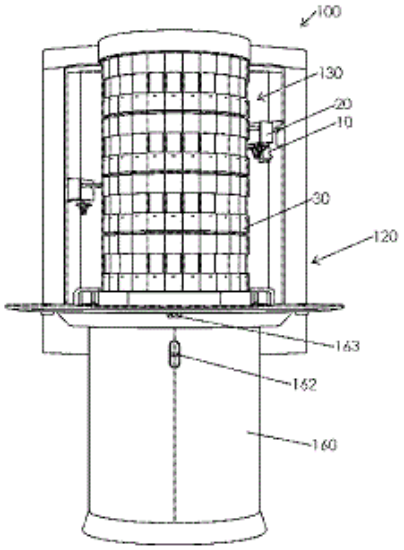
21: 2019/03550. 22: 2019/06/03. 43: 2023/10/11
51: A61K; A61Q
71: L'OREAL
72: AUBRUN, ODILE, WAHLER, ARNO
33: FR 31: 1662653 32: 2016-12-16
54: O/W EMULSION COMPRISING A C16-C30 FATTY ALCOHOL, AN ANIONIC SURFACTANT, AN OIL, A WAX AND A HYDROPHILIC SOLVENT
00: -
The present invention relates to a cosmetic composition in the form of an oil-in- water emulsion comprising: (i) at least one C16-C30 fatty alcohol; (ii) at least one anionic surfactant of general formula (I): RCOY(CH2)nSO3M; (iii) at least one oil; (iv) at least one wax, and (v) at least one hydrophilic solvent, the weight ratio of anionic surfactant(s) of general formula (I)/fatty alcohol(s) ranging from 1/5 to 1/3, said composition comprising from 1% to 10% by weight of wax(es) relative to the total weight of the composition. The present invention also relates to a process for preparing said composition and a cosmetic makeup and/or care process.

21: 2019/03602. 22: 2019/06/05. 43: 2023/12/05
51: C22C; C22F
71: MCMASTER UNIVERSITY
72: SHANKAR, Sumanth, ZENG, Xiaochun
33: US 31: 62/426,822 32: 2016-11-28
54: ALUMINIUM ALLOYS FOR STRUCTURAL AND NON-STRUCTURAL NEAR NET CASTING, AND METHODS FOR PRODUCING SAME
00: -
An aluminum alloy for near net shaped casting of structural components is disclosed. The alloy contains 2 to 10 wt.% Zn, 0.5 to 5 wt.% Mg, 0.5 to 5 wt.%) Fe, optionally Cu, Ti, Sr, Be, Zr, V, Cr, Sc, Na, Si, Mn, Mo, B, and Ni, with balance aluminum. The alloy may be subjected to heat treatment selected from the group consisting of solutionizing, incubation, aging, and two or more heat treatment steps.

21: 2019/03605. 22: 2019/06/05. 43: 2023/10/11
51: C07H; A61K; A61P; C12N
71: REGULUS THERAPEUTICS INC.
72: ALLERSON, CHARLES R
33: US 31: 62/430,139 32: 2016-12-05
54: MODIFIED OLIGONUCLEOTIDES FOR TREATMENT OF POLYCYSTIC KIDNEY DISEASE
00: -
Provided herein are methods for the treatment of polycystic kidney disease, including autosomal dominant polycystic kidney disease, using modified oligonucleotides targeted to miR-17.

21: 2019/03892. 22: 2019/06/14. 43: 2023/10/11
51: G01N
71: CEPHEID
72: CHANG, RONALD, MONTGOMERY, STEVEN, MOTE, GREGORY, BLIVEN, BRIAN
33: US 31: 62/424,313 32: 2016-11-18
54: SAMPLE PROCESSING MODULE ARRAY HANDLING SYSTEM AND METHODS
00: -

A handling system for high throughput processing of a large volume of biological samples is provided herein. Such systems can include an array support assembly that supports multiple diagnostic assay modules in an array having at least two dimensions, a loader that loads multiple diagnostic assay cartridges within the multiple diagnostic assay modules. The array support assembly can be movable relative the loader to facilitate loading and unloading so as to provide more efficient processing.

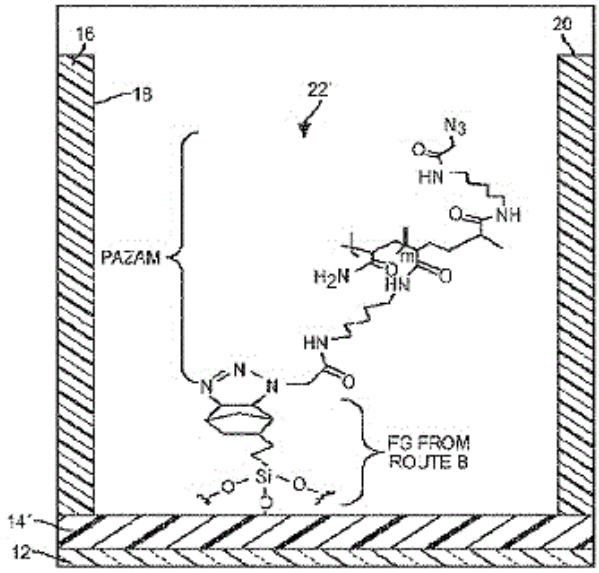


21: 2019/03898. 22: 2019/06/14. 43: 2023/10/11
51: B01J; C08J; C08G; C09D; C12Q
71: ILLUMINA, INC., ILLUMINA CAMBRIDGE LIMITED
72: GEORGE, WAYNE N, RICHEZ, ALEXANDRE, BOWEN, M SHANE, BROWN, ANDREW A, YUAN, DAJUN, ZAK, AUDREY ROSE, RAMIREZ, SEAN M, CAMPOS, RAYMOND
33: US 31: 62/438,024 32: 2016-12-22

54: ARRAYS INCLUDING A RESIN FILM AND A PATTERNED POLYMER LAYER

00: -

An example of an array includes a support, a cross-linked epoxy polyhedral oligomeric silsesquioxane (POSS) resin film on a surface of the support, and a patterned hydrophobic polymer layer on the cross-linked epoxy POSS resin film. The patterned hydrophobic polymer layer defines exposed discrete areas of the cross-linked epoxy POSS resin film, and a polymer coating is attached to the exposed discrete areas. Another example of an array includes a support, a modified epoxy POSS resin film on a surface of the support, and a patterned hydrophobic polymer layer on the modified epoxy POSS resin film. The modified epoxy POSS resin film includes a polymer growth initiation site, and the patterned hydrophobic polymer layer defines exposed discrete areas of the modified epoxy POSS resin film. A polymer brush is attached to the polymer growth initiation site in the exposed discrete areas.

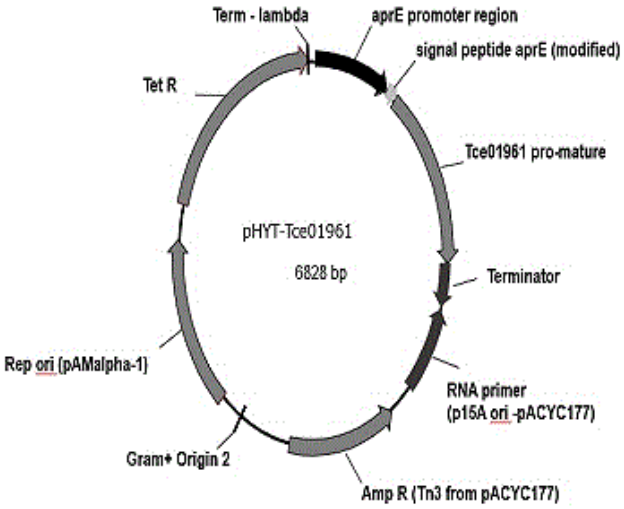


21: 2019/03984. 22: 2019/06/19. 43: 2023/10/11
51: A23J; C12N; C12P; C12C
71: DUPONT NUTRITION BIOSCIENCES APS
72: CRAMER, JACOB FLYVHOLM, KOLKMAN, MARC ANTON BERNHARD, MA, ZHEN, SCHEFFERS, MARTIJN, SHIPOVSKOV, STEPAN, VAN BRUSSEL-ZWIJNEN, MARCO, YU, SHUKUN
33: US 31: 62/437,340 32: 2016-12-21

54: METHODS OF USING THERMOSTABLE SERINE PROTEASES

00: -

Methods of using thermostable serine proteases are described herein.



21: 2019/03994. 22: 2019/06/20. 43: 2023/10/03
51: C07K
71: GENENTECH, INC.
72: BILL JR, JEROME JOSEPH, BROWN, ARICK MICHAEL, DOWD, CHRISTOPHER JOHN, THAYER, BROOKE ELLEN
33: US 31: 61/579,285 32: 2011-12-22
54: ION EXCHANGE MEMBRANE CHROMATOGRAPHY
00: -
Methods of enhancing efficiency of downstream chromatography steps for purification of proteins comprising: (a) passing a composition comprising a polypeptide of interest and various contaminants through an ion exchange membrane, wherein the polypeptide and the membrane have opposite charge, at operating conditions comprised of a buffer having a pH sufficiently distinct from the pI of the polypeptide to enhance the charge of the polypeptide and a low ionic strength effective to prevent the shielding of charges by buffer ions, which cause the membrane to bind the polypeptide and at least one contaminant, (b) overloading the ion exchange membrane such that at least one contaminant remains bound to the membrane while the polypeptide of interest is primarily in the effluent; (c) collecting the effluent from the ion exchange membrane comprising the polypeptide of interest; (d) subjecting the membrane effluent comprising the polypeptide of interest to a purification step of similar charge as the previous membrane, and (e) recovering the purified polypeptide from the effluent of the charged ion exchange chromatography purification step.

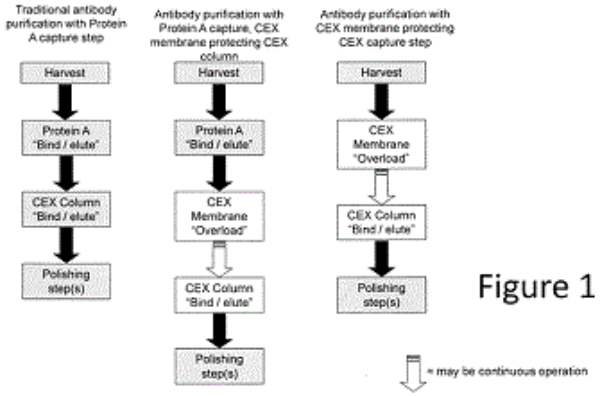


Figure 1

21: 2019/04097. 22: 2019/06/24. 43: 2023/10/11
51: C07K; A61P
71: CEPHALON LLC
72: LIDDAMENT, MARK TERENCE, DOYLE, ANTHONY , CLARKE, ADAM, LAINE, DAVID JOSE SIMON, COOKSEY, BRIDGET ANN
33: US 31: 62/438,502 32: 2016-12-23
54: ANTI-IL-5 ANTIBODIES
00: -
Disclosed herein are fully human antibody molecules that immunospecifically bind to human IL-5. The antibody molecules can bind to human IL-5 with an equilibrium affinity constant (KD) of at least about 40 pM as determined by surface plasmon resonance.

FIG. 13A

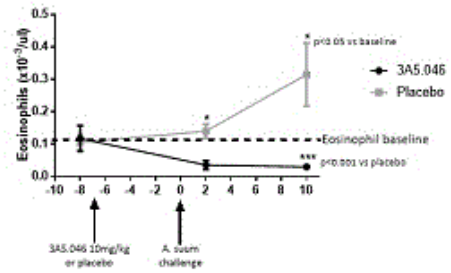
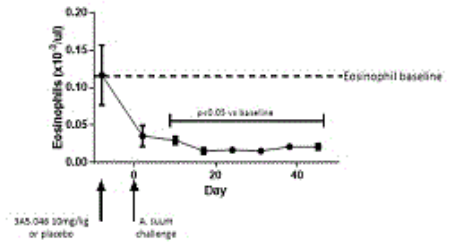


FIG. 13B



21: 2019/04378. 22: 2019/07/03. 43: 2023/10/11
51: B01J; C04B; C08G; H01B; H01G; H01M
71: CALIFORNIA INSTITUTE OF TECHNOLOGY
72: LIU, KAI, HOFFMANN, MICHAEL R

33: US 31: 62/456,860 32: 2017-02-09
54: WATER PURIFICATION USING POROUS CARBON ELECTRODE
00: -
A water purification electrode composed of a porous carbon material is disclosed. The electrode may be used as a flow-through cathode in an electro-peroxone process providing high H2O2 production activity for electrochemical wastewater treatment. The porous carbon material is a binding agent-free carbon structure that enables H2O2 to be electro-generated in situ at cathode. The porous carbon material may be synthesized from resorcinol and can provide a relatively large reaction surface area of 200-800 m2/g. The porous carbon material also achieves low energy consumption as well as a wide pH working range, making it suitable for treating many types of organic, inorganic, and biological contaminants in water. The electrode may be integrated with an anode, ozone generator, and other components into a compact, integrated water purification system.

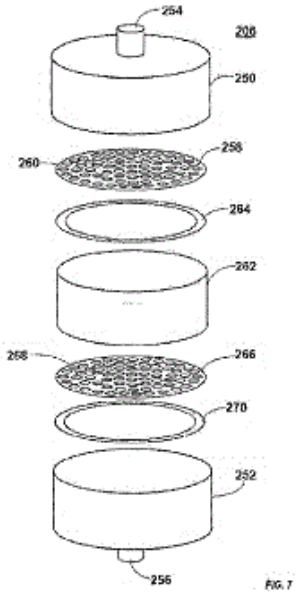
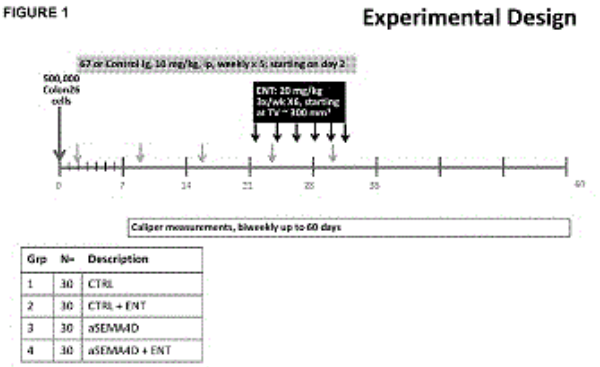


FIG. 7

21: 2019/04384. 22: 2019/07/03. 43: 2023/10/11
51: A61K; A61P
71: WORG PHARMACEUTICALS (ZHEJIANG) CO., LTD.
72: WRAITH, DAVID, MARTIN, KEITH
33: GB 31: 1700111.6 32: 2017-01-04
54: THERAPEUTIC METHOD USING TOLEROGENIC PEPTIDES
00: -
The present invention relates to a therapeutic method using a tolerogenic peptide. In particular, the invention relates to a dosage regimen fora tolerogenic peptide. The therapeutic method can be used to treat or prevent conditions associated with aberrant, hypersensitivity or pathological immune responses to endogenous or exogenous proteins that results in a loss of immune tolerance.

21: 2019/04432. 22: 2019/07/05. 43: 2023/10/11
51: A61K; A61P; C07K
71: VACCINEX, INC.
72: EVANS, ELIZABETH, SMITH, ERNEST S, ZAUDERER, MAURICE
33: US 31: 62/473,731 32: 2017-03-20
54: TREATMENT OF CANCER WITH A SEMAPHORIN-4D ANTIBODY IN COMBINATION WITH AN EPIGENETIC MODULATING AGENT
00: -
This disclosure provides a method for inhibiting, delaying, or reducing malignant cell growth in a subject with cancer, comprising administering to the subject a combination therapy comprising an effective amount of an isolated antibody or antigen-binding fragment thereof that specifically binds to semaphorin-4D (SEMA4D) and an effective amount of an epigenetic modulating agent, e.g., a histone deacetylase (HDAC) inhibitor (HDACi) a DNA methyltransferase (DNMT) inhibitor (DNMTi), or any combination thereof. The disclosure further provides a pharmaceutical composition comprising the combination therapy.

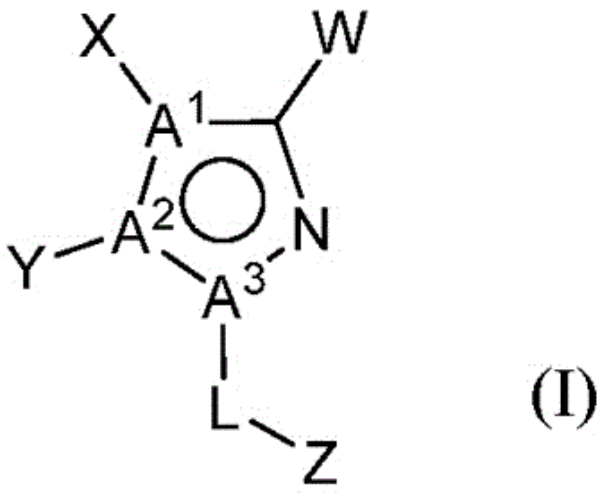
FIGURE 1



21: 2019/04469. 22: 2019/07/08. 43: 2023/10/11
51: A01N; A01P
71: ADAMA MAKHTESHIM LTD.
72: BERKOVITCH, MICHAEL, SILBERT, GILAD

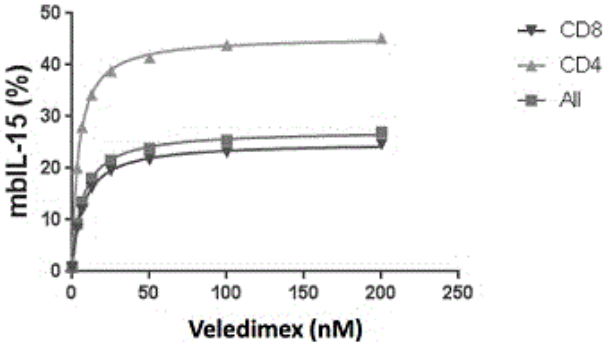
33: IB 31: PCT/IB2016/001863 32: 2016-12-09
33: US 31: 62/517,391 32: 2017-06-09
54: HIGH-CONCENTRATION FLUENSULFONE FORMULATIONS, THEIR USES AND PROCESSES OF PREPARATION
00: -
The subject invention provides stable liquid fluensulfone formulations comprising an amount of fluensulfone, an amount of a cyclic ketone, and at least one agrochemically acceptable inert additive. The subject invention also provides high-concentration formulations comprising fluensulfone and at least one agrochemically acceptable inert additive, wherein the formulation comprises an organic phase and the concentration of fluensulfone in the organic phase of the formulation is greater than 40% by weight. The subject invention also provides methods of controlling a pest using the fluensulfone formulations described herein. The present invention provides processes of preparing the fluensulfone formulations described herein.

21: 2019/04522. 22: 2019/07/10. 43: 2023/10/11
51: C07D; A61K
71: VETTORE, LLC
72: PARNELL, KENNETH MARK, MCCALL, JOHN M, ROMERO, DONNA
33: US 31: 62/433,113 32: 2016-12-12
54: HETEROCYCLIC INHIBITORS OF MCT4
00: -
Disclosed herein are compounds and compositions useful in the treatment of MCT4 mediated diseases, such as proliferative and inflammatory diseases, having the structure of Formula (I). Methods of inhibition MCT4 activity in a human or animal subject are also provided.



(I)

21: 2019/04623. 22: 2019/07/15. 43: 2023/10/11
51: C12N; G01N
71: INTREXON CORPORATION
72: SHAH, RUTUL R, REED, THOMAS D, BOLINGER, CHERYL G
33: US 31: 62/444,775 32: 2017-01-10
33: US 31: 62/464,958 32: 2017-02-28
54: MODULATING EXPRESSION OF POLYPEPTIDES VIA NEW GENE SWITCH EXPRESSION SYSTEMS
00: -
Disclosed herein are polynucleotides encoding ligand-inducible gene switch polypeptides, and systems comprising gene switch polypeptides for modulating the expression of a heterologous gene and an interleukin in a host cell. The compositions, methods and systems described herein facilitate ligand dependent expression of polypeptides including but not limited to cytokines and antigen binding polypeptides.

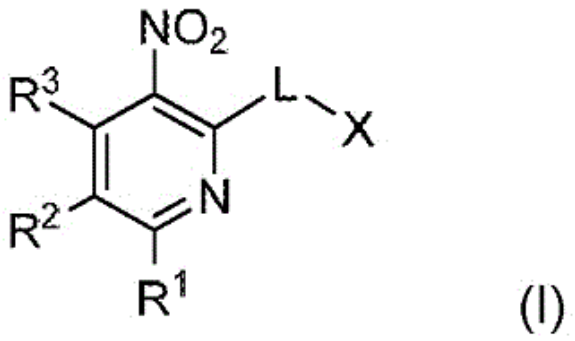


21: 2019/04830. 22: 2019/07/23. 43: 2023/10/11
51: C12N
71: UNIVERSITY OF CAPE TOWN

72: DHEDA, KEERTAN UNKHA JAIRAM, TOMASICCHIO, MICHELE
33: GB 31: 1700952.3 32: 2017-01-19
54: IN VITRO PROPAGATION OF PRIMARY CANCER CELLS
00: -
The invention relates to an in vitro method of obtaining and culturing primary tumour cells from a tissue sample using an isolation buffer, which includes collagenase II and optionally hyaluronidase and a propagation medium which includes estradiol or EGF. The invention also relates to a kit for obtaining and culturing primary tumour cells.

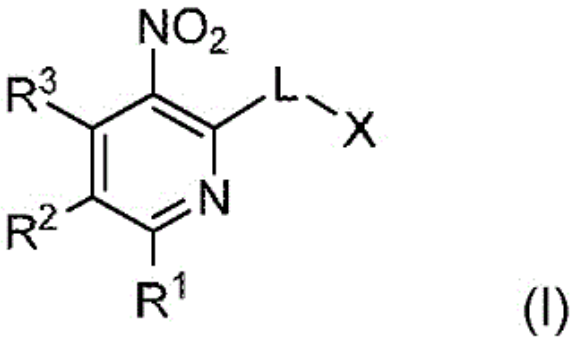
21: 2019/04891. 22: 2019/07/25. 43: 2023/10/11
51: D21C
71: CMBLU ENERGY AG
72: GEIGLE, PETER, HARTWIG, JAN
33: EP 31: PCT/EP2017/000463 32: 2017-04-07
33: EP 31: PCT/EP2017/075987 32: 2017-10-11
33: EP 31: PCT/EP2017/000198 32: 2017-02-13
33: EP 31: PCT/EP2017/001177 32: 2017-10-05
54: NOVEL METHODS FOR PROCESSING LIGNOCELLULOSIC MATERIAL
00: -
The invention relates to novel methods for processing lignocellulosic material. More specifically, the invention proves an integrated approach for processing cellulose to obtain paper and pulp and valorizing lignin to obtain value-added chemicals and products.

21: 2019/04966. 22: 2019/07/29. 43: 2023/10/11
51: C07D; A61K; A61P
71: OBLIQUE THERAPEUTICS AB
72: PELCMAN, BENJAMIN, SUNA, EDGARS, STAFFORD, WILLIAM, PRIEDE, MARTINS
33: US 31: 62/594,794 32: 2017-12-05
33: US 31: 62/455,641 32: 2017-02-07
54: HYDROCARBYLSULFONYL-SUBSTITUTED PYRIDINES AND THEIR USE IN THE TREATMENT OF CANCER
00: -
There is provided compounds of formula I (I) or pharmaceutically-acceptable salts thereof, wherein L, R1, R2, R3 and X have meanings provided in the description, which compounds are useful in the treatment of cancers.



(I)

21: 2019/04967. 22: 2019/07/29. 43: 2023/10/11
51: C07D; A61K; A61P
71: OBLIQUE THERAPEUTICS AB
72: PELCMAN, BENJAMIN, SUNA, EDGARS, STAFFORD, WILLIAM, PRIEDE, MARTINS
33: US 31: 62/594,799 32: 2017-12-05
33: US 31: 62/455,639 32: 2017-02-07
54: HETEROARYLSULFONYL-SUBSTITUTED PYRIDINES AND THEIR USE IN THE TREATMENT OF CANCER
00: -
There is provided compounds of formula I (I) or pharmaceutically-acceptable salts thereof, wherein L, R1, R2, R3 and X have meanings provided in the description, which compounds are useful in the treatment of cancers.



(I)

21: 2019/05023. 22: 2019/07/30. 43: 2023/10/11
51: C07K
71: GENENTECH, INC.
72: CHEN, XIAOCHENG, DENNIS, MARK, JACKMAN, JANET, KOERBER, JAMES T, LU, MASON, MAUN, HENRY R, RAJAPAKSA, KATHILA, RAMANUJAN, SAROJA, STATON, TRACY, WU, LAWREN, YI, TANGSHENG
33: US 31: 62/457,722 32: 2017-02-10

54: ANTI-TRYPTASE ANTIBODIES, COMPOSITIONS THEREOF, AND USES THEREOF

00: -

The invention provides compositions including anti-tryptase antibodies and pharmaceutical compositions thereof, as well as methods of using the same.

21: 2019/05212. 22: 2019/08/07. 43: 2023/11/20
51: A61K; A61P
71: ACACIA PHARMA LIMITED
72: GILBERT, Julian Clive, GRISTWOOD, Robert William, FOX, Gabriel
33: GB 31: 1702250.0 32: 2017-02-10

54: RESCUE TREATMENT OF POST OPERATIVE NAUSEA AND VOMITING

00: -

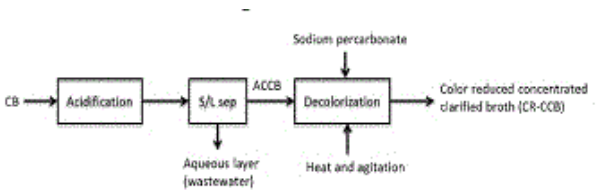
Amisulpride is useful in the treatment of postoperative nausea and/or vomiting in a patient, wherein the patient has already been administered a prophylaxis drug for postoperative nausea and/or vomiting, and wherein the dose of amisulpride is 7.5 to 15 mg.

21: 2019/05496. 22: 2019/08/20. 43: 2023/10/11
51: C07H; C11D
71: STEPAN COMPANY
72: LOHITHARN, NATTAPORN
33: US 31: 62/455,562 32: 2017-02-06

54: DECOLORIZATION OF CONCENTRATED RHAMNOLIPID COMPOSITION

00: -

Provided is a method for decolorizing and optionally neutralizing a rhamnolipid composition comprising treating said composition with a percarbonate salt as well as the decolorized and optionally neutralized composition obtainable therefrom. Also provided is a method for improving the quality of wastewater generated during said method.



21: 2019/05607. 22: 2019/08/26. 43: 2023/09/27
51: G06Q
71: QUATTRO CAPITAL WEALTH (PTY) LTD

72: HARDWICK, Marc

54: A SYSTEM FOR FACILITATING ANONYMOUS REPORTING

00: -

A system for facilitating anonymous reporting, the system comprising: a front-end configured to allow a reporter to report an incident to one or more authorised persons; the front-end further configured such that the authorised person is capable of managing the report; a back-end connected to the front-end via a network, the back-end configured to facilitate the transfer, storage and management of data relating to the anonymous report; the system configured such that the reporter remains anonymous; and wherein the system is further configured to provide an interactive communication platform for system users, wherein communications are sent and received by system users, including reporters and authorised persons.

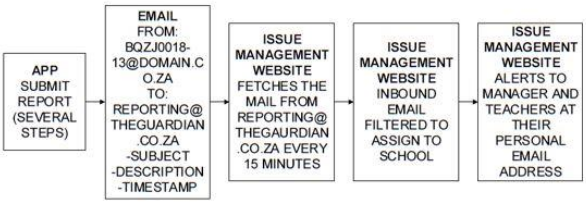


Figure 3A

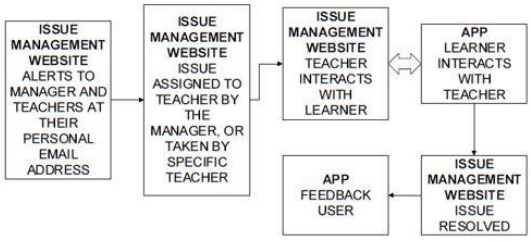


Figure 3B

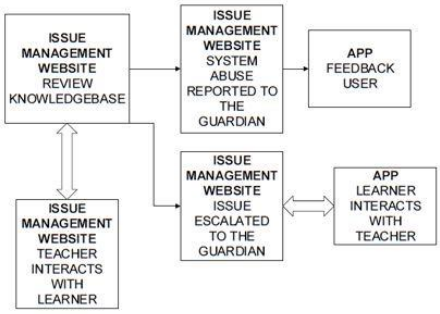
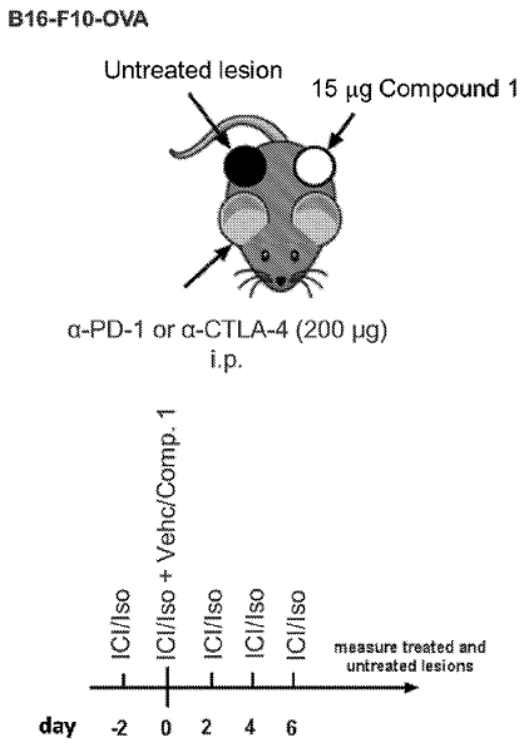


Figure 3C

21: 2019/06001. 22: 2019/09/11. 43: 2023/10/12
51: A61K A61P
71: QBIOTICS PTY LTD

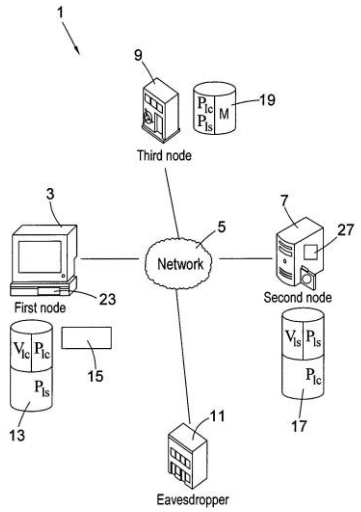
72: REDDELL, Paul, Warren, CULLEN, Jason, Kingsley, BOYLE, Glen, Mathew, PARSONS, Peter, Gordon, GORDON, Victoria, Anne
33: AU 31: 2017901027 32: 2017-03-23
54: COMBINATION THERAPY FOR THE TREATMENT OR PREVENTION OF TUMOURS
00: -
The present invention relates to a combination therapy for tumours comprising the administration of an epoxytigliane compound and an immune checkpoint inhibitor. In particular embodiments, there is a method of treating a tumour and/or treating or preventing one or more bystander tumours with the therapy. Pharmaceutical compositions and kits containing epoxytigliane compounds and immune checkpoint inhibitors are also described.



21: 2019/06111. 22: 2019/09/16. 43: 2023/10/11
51: A61P; A61K; C07F; C07H
71: EISAI R&D MANAGEMENT CO., LTD.
72: KIM, DAE-SHIK, FANG, FRANK, ENDO, ATSUSHI, CHOI, HYEONG-WOOK, HAO, MING-HONG, BAO, XINGFENG, HUANG, KUAN-CHUN
33: US 31: 62/460,562 32: 2017-02-17
33: US 31: 62/551,645 32: 2017-08-29
33: US 31: 62/551,668 32: 2017-08-29
33: US 31: 62/479,169 32: 2017-03-30
33: US 31: 62/551,647 32: 2017-08-29
54: CYCLIC DI-NUCLEOTIDES COMPOUNDS FOR THE TREATMENT OF CANCER
00: -
Provided herein are compounds useful for the treatment of cancer.

21: 2019/06788. 22: 2019/10/15. 43: 2023/10/04
51: D05C; E01C; F28D
71: Brock USA, LLC
72: KEYSER, Stephen, SAWYER, Steven L.
33: US 31: 62/478,254 32: 2017-03-29
54: INFILL FOR ARTIFICIAL TURF SYSTEM
00: -
An artificial turf system includes a turf assembly having a turf backing and stands of artificial grass blades extending from the turf backing to form an artificial turf layer. Infill material is placed in between the blades of artificial grass and on top of the turf backing. The infill material has a composition of sand in an amount within the range of from about 80 to about 98 percent of the infill by dry bulk weight, and organic particles in an amount within the range of from about 2 to about 20 percent of the infill by dry bulk weight.

21: 2020/00405. 22: 2020/01/21. 43: 2023/10/25
51: H04L
71: nChain Holdings Limited
72: WRIGHT, Craig Steven
33: GB 31: 1713499.0 32: 2017-08-23
33: PCT/IB(GB) 31: 2017/055073 32: 2017-08-23
54: COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR HIGHLY SECURE, HIGH SPEED ENCRYPTION AND TRANSMISSION OF DATA
00: -
The present disclosure relates to highly secure, high speed encryption methodologies suitable for applications such as media streaming, streamed virtual private network (VPN) services, large file transfers and the like. For example, encryption methodologies as described herein can provide stream ciphers for streaming data from, for example, a media service provider to a plurality of users. Certain configurations provide wire speed single use encryption. The methodologies as described herein are suited for use with blockchain (e.g. Bitcoin) technologies.



21: 2020/00412. 22: 2020/01/21. 43: 2023/10/13
51: G05D; H02J
71: LONE GULL HOLDINGS, LTD.
72: SHELDON-COULSON, GARTH ALEXANDER, MOFFAT, BRIAN LEE
33: US 31: 16/033,522 32: 2018-07-12
33: US 31: 62/622,879 32: 2018-01-27
33: US 31: 62/696,740 32: 2018-07-11
33: US 31: 62/533,058 32: 2017-07-16
33: US 31: 62/688,685 32: 2018-06-22
54: SELF-POWERED COMPUTING BUOY
00: -
A computing apparatus that is integrated within a flotation module, the system obtaining the energy required to power its computing operations from waves that travel across the surface of a body of water on which the flotation module sets. Additionally, the self-powered computing apparatus employs novel designs to utilize its close proximity to the body of water and/or to strong ocean winds to significantly lower the cost and complexity of cooling their computing circuits.

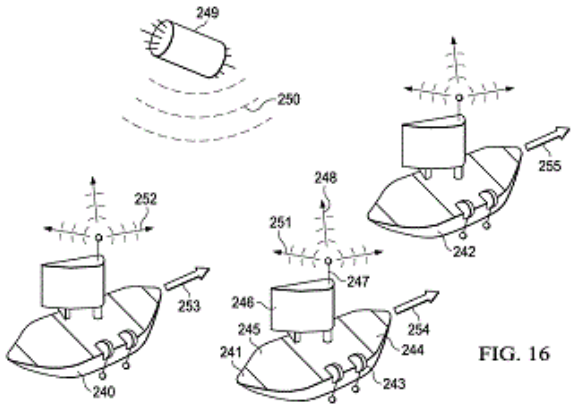
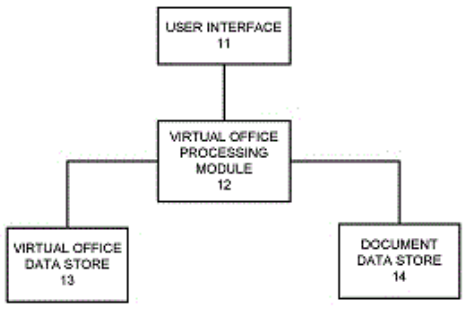


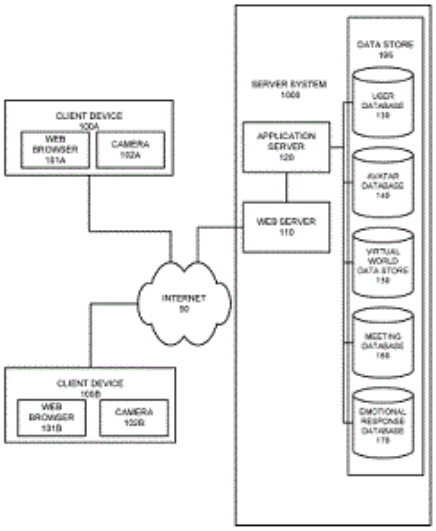
FIG. 16

21: 2020/00726. 22: 2020/02/04. 43: 2023/10/09
51: G06Q; G06F
71: JONES, MARIA FRANCISCA
72: JONES, MARIA FRANCISCA, JONES, ALEXANDER
33: GB 31: 1710832.5 32: 2017-07-05
54: VIRTUAL OFFICE
00: -
A method of providing a virtual office, the method comprising generating an output for display of a virtual office including a plurality of images of items of office equipment arranged in the virtual office, each item of office equipment having stored image data for use in the generation of the image in the virtual office and code to perform an associated office function; receiving a user input to select an image of an item of office equipment and to identify an operation to be performed by the office equipment; performing the identified operation; and modifying the generated output for display to display an image of the selected item of office equipment performing the selected function.



21: 2020/00730. 22: 2020/02/04. 43: 2023/10/09
51: G06Q
71: JONES, MARIA FRANCISCA

72: JONES, MARIA FRANCISCA, JONES, ALEXANDER
33: GB 31: 1710840.8 32: 2017-07-05
54: VIRTUAL MEETING PARTICIPANT RESPONSE INDICATION METHOD AND SYSTEM
00: -
A method of indicating emotive responses in a virtual meeting, the method comprising creating or select avatar data defining one or more avatars to represent one or more corresponding users in response to input from the one or more corresponding users; receiving one or more user selections of meeting data defining one or more virtual meetings, a user selection comprising an indication that the user is attending the virtual meeting; generating an output for display of a virtual meeting with one or more avatars representing one or more users attending the meeting using the avatar data and the meeting data corresponding to the virtual meeting; receiving emotive input data from one or more users indicative of an emotive response or body language of the one or more users attending the virtual meeting; processing the avatar data using the emotive input data; and updating the output for display of the virtual meeting to render the one or more avatars for the one or more users to display a respective emotive state dependent upon the respective emotive input data.



21: 2020/00749. 22: 2020/02/05. 43: 2023/10/24
51: B62D
71: KOMATSU GERMANY GMBH

72: SCHWARZ, Henry, JUNGHANS, Jens, RÖSCH, Matthias, SPELDRICH, Sebastian
33: DE 31: 10 2017 117 838.4 32: 2017-08-07
54: CRAWLER TRACK FOR TRACKED VEHICLES
00: -
The invention relates to a crawler track for tracked vehicles, wherein the chain links are provided with articulated eyes facing one another, in which chain bolts connecting the chain links to one another are arranged. At the respective outer contour of the areas of the articulated eyes facing one another, a contour adaptation takes places on at least a partial circumference of the articulated eye, which on at least a partial area has a curvature, which is zero or positive (convex) in the viewing direction from the adjoining articulated eye end face to the center of the articulated eye.

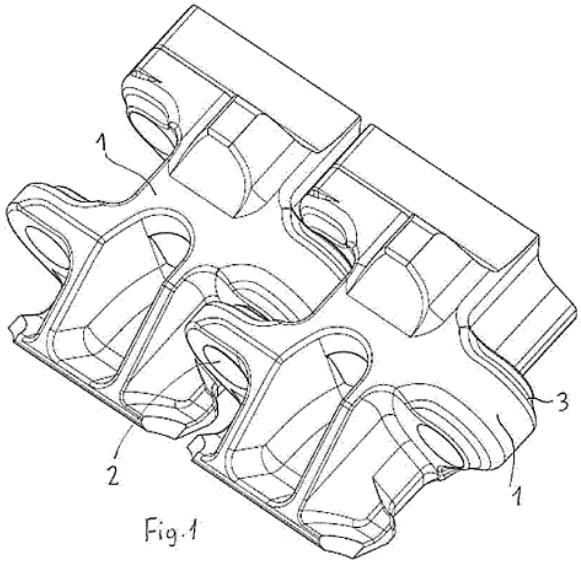
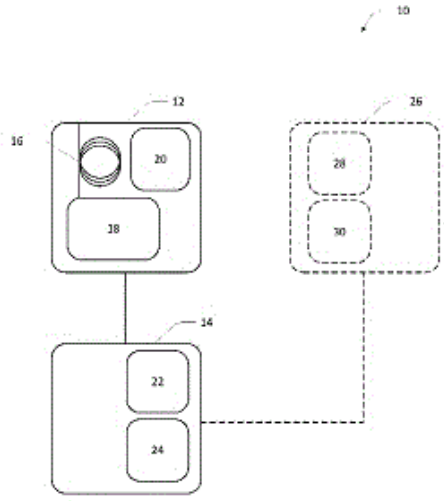


Fig.1

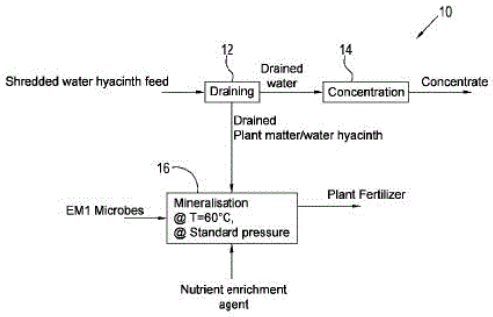
21: 2020/00983. 22: 2020/02/17. 43: 2023/11/20
51: B01D; G01N
71: NEDERLANDSE ORGANISATIE VOOR TOEGEPAST- NATUURWETENSCHAPPELIJK ONDERZOEK TNO
72: BOERSMA, Arjen
33: EP 31: 17183570.5 32: 2017-07-27
54: A PARTICLE DETECTION DEVICE AND A METHOD FOR DETECTING AIRBORNE PARTICLES
00: -
The invention relates to a particle detection device and a method for detecting particles in a fluid by means of separation. A channel structure is arranged for separating an incoming flow into a

major flow comprising a minor portion of particles above the first predetermined size and a minor flow comprising a major portion of particles above the predetermined size. One or more detectors are arranged for detecting particles in the major flow and minor flow. The channel structure further comprises a choked flow restriction arranged for enabling a constant flow independent of pressure conditions.

21: 2020/01151. 22: 2020/02/24. 43: 2023/10/13
51: G01N; C10L
71: UNITED COLOR MANUFACTURING, INC.
72: HINTON, MICHAEL P, FREDERICO, JUSTIN J
33: US 31: 62/549,087 32: 2017-08-23
54: MARKER COMPOSITIONS WITH NITROGEN COMPOUNDS, AND METHODS FOR MAKING AND USING SAME
00: -
The present disclosure provides compositions, methods, and systems for identifying marked hydrocarbon fluids. These compositions, methods, and systems utilize a gas chromatography marker including a non-pyrrolidinone nitrogen-containing compound. The methods and systems can identify the presence or absence of the gas chromatography marker and/or the non-pyrrolidinone nitrogen-containing compound. The compositions, methods, and systems can optionally utilize a spectroscopic marker.



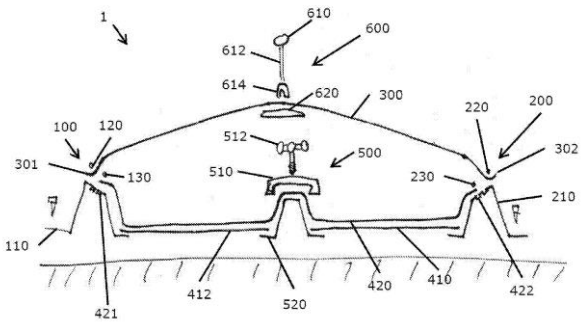
21: 2020/01270. 22: 2020/02/27. 43: 2023/10/26
51: C02F; C05F
71: URSINIX (PTY) LTD.
72: MTEGHA, Gileard Kennedy, PIENAAR, Johannes Theodorus, MLOTCHWA, Benjamin Robert, MLOTCHWA, Frank Eddie, KONDOWE, John, NYIRENDA, Josephine
33: ZP 31: 2017/05136 32: 2017-07-28
54: METHOD OF MAKING AN ORGANIC PLANT FERTILIZER AND ANIMAL FEED FROM WATER HYACINTH
00: -
The invention relates to a method of converting chemicals absorbed by an angiosperm into a plant nutrient, the method comprising the step of draining at least a portion of the water in the angiosperm for use as a liquid nutrient for plants. The method also relates to a method of converting an angiosperm into a nutrient for plants, the method comprising the steps of draining at least a portion of the water in the angiosperm until the moisture content of the angiosperm is at a predefined moisture content; and converting the angiosperm into a nutrient for plants.



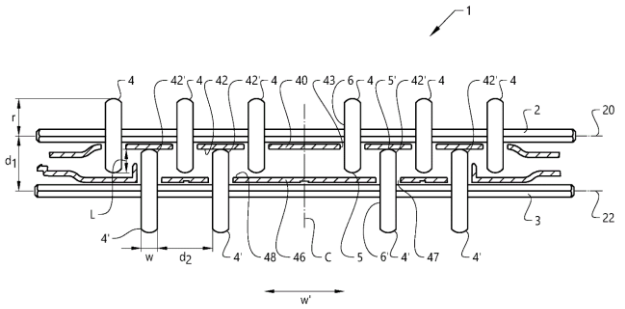
21: 2020/01605. 22: 2020/03/13. 43: 2023/11/20
51: A61K; A61P
71: GEDEA BIOTECH AB
72: ELLERVIK, Ulf, STERNER, Olov, STREVENS, Helena, MANNER, Sophie
33: EP 31: 17195192.4 32: 2017-10-06
54: GLUCONIC ACID DERIVATIVES FOR USE IN THE TREATMENT AND/OR PREVENTION OF MICROBIAL INFECTIONS
00: -
The present invention concerns a pharmaceutical composition comprising a compound of Formula I for use in the treatment and/or prevention of microbial infections. Furthermore, the present invention concerns a method for prevention and/or reduction of biofilm formation.

21: 2020/01662. 22: 2020/03/17. 43: 2023/11/06
51: A01G; E04H

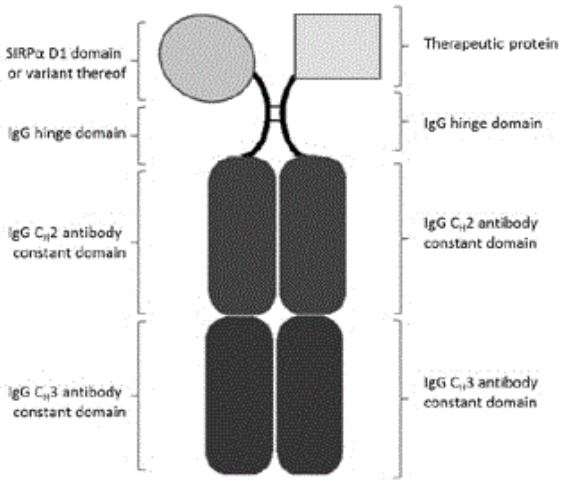
71: CO2I LIMITED
72: CAWLEY, Brendan
33: GB 31: 1713931.2 32: 2017-08-31
54: ENVIRONMENTAL CONTROL SYSTEM
00: -
The invention relates to a greenhouse, specifically a closed greenhouse environment suitable for use in dry environments which regulates the conditions of the growing environment whilst minimising heat and water loss. The greenhouse is especially suitable for use with macrophyte growing systems.



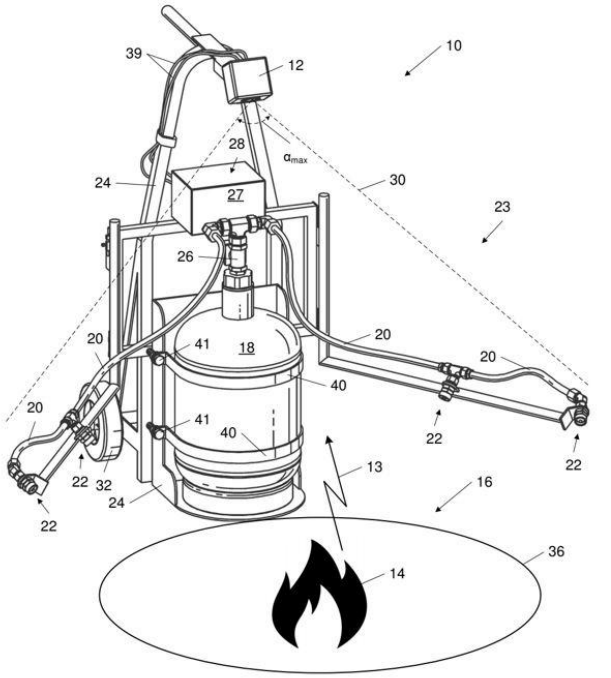
21: 2020/01686. 22: 2020/03/17. 43: 2023/09/27
51: A47K; B65H
71: ESSITY HYGIENE AND HEALTH AKTIEBOLAG
72: LARSSON, Björn
54: SEPARATION UNIT AND A DISPENSER COMPRISING A SEPARATION UNIT
00: -
The present invention relates to a separation unit for separating a web material along preformed lines of weakness, said separation unit having a width direction (W') and comprising a first shaft extending along a first longitudinal axis in said width direction and a second shaft extending along a second longitudinal axis parallel to said first shaft, and positioned at a distance (d1) from said first longitudinal axis. A first and a second protrusion element extend perpendicularly from said first and second shafts and are rotatable about said first and second longitudinal axis. The first and second protrusion elements are in staggered relationship, the first protrusion element partially overlapping the second protrusion element with radial overlap length (L) in a direction perpendicular to the shafts, forming an undulating passage for the web material between the shafts. At least one contact element abuts at least one of the protrusion elements perpendicular to the first or second longitudinal axis about which the protrusion element is rotatably arranged.



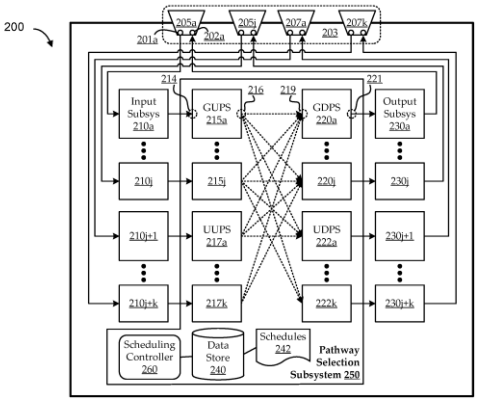
21: 2020/01863. 22: 2020/03/24. 43: 2023/10/09
51: C07K; A61K
71: ALX ONCOLOGY INC.
72: PONS, JAUME, DEMING, LAURA, GOODMAN, COREY, SIM, BANG JANET, KAUDER, STEVEN ELLIOT, WAN, HONG, KUO, TRACY CHIA-CHIEN
33: US 31: 62/202,775 32: 2015-08-07
33: US 31: 62/276,801 32: 2016-01-08
33: US 31: 62/202,779 32: 2015-08-07
33: US 31: 62/276,796 32: 2016-01-08
33: US 31: 62/346,414 32: 2016-06-06
33: US 31: 62/202,772 32: 2015-08-07
33: US 31: 62/265,887 32: 2015-12-10
54: CONSTRUCTS HAVING A SIRP-ALPHA DOMAIN OR VARIANT THEREOF
00: -
The present disclosure features signal-regulatory protein α (SIRP-α) polypeptides and constructs that are useful, e.g., to target a cell (e.g., a cancer cell or a cell of the immune system), to increase phagocytosis of the target cell, to eliminate immune cells such as regulatory T-cells, to kill cancer cells, to treat a disease (e.g., cancer) in a subject, or any combinations thereof. The SIRP-α constructs include a high affinity SIRP-α D1 domain or variant thereof that binds CD47 with higher affinity than a wild-type SIRP-α. The SIRP-α polypeptides or constructs include a SIRP-α D1 variant fused to an Fc domain monomer, a human serum albumin (HSA), an albumin-binding peptide, or a polyethylene glycol (PEG) polymer. Compositions provided herein include (i) a polypeptide including a signal-regulatory protein α (SIRP- α) D1 variant and (ii) an antibody.



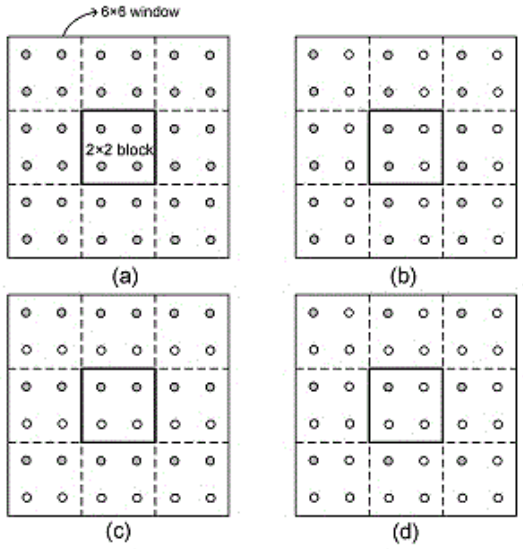
21: 2020/01925. 22: 2020/03/24. 43: 2023/10/02
51: G08B
71: DONAPHASE (PTY) LIMITED
72: WOOLEY, Richard Douglas, VAN NIEKERK, Michael Grant, PRETORIUS, Jan Daniël Philippus, ERNST, Christoffel Andries, PORTER, William Symington Herbert
33: ZA 31: 2017/04439 32: 2017-08-30
54: A MOBILE FIRE PROTECTION SYSTEM AND METHOD
00: -
A mobile fire protection system (10) comprises a first radiation detector (12) for detecting radiation (13) emitted by a flame (14) in a monitoring region (16). A container (18) holds fire suppression agent, the container being in selective fluid flow communication via a passage (20) with an outlet (22) for discharging the fire suppression agent. A mobile support structure (24) carries the container. A valve (26) is selectively movable between a closed state, wherein the fire suppression agent remains captive within the container, and an open state, wherein flow of the fire suppression agent from the container towards the outlet is enabled. A controller (28) is configured, responsive to the first radiation detector detecting radiation emitted by the flame in the monitoring region, to cause the valve to move to the open state to discharge the fire suppression agent via the passage and the outlet towards the flame.



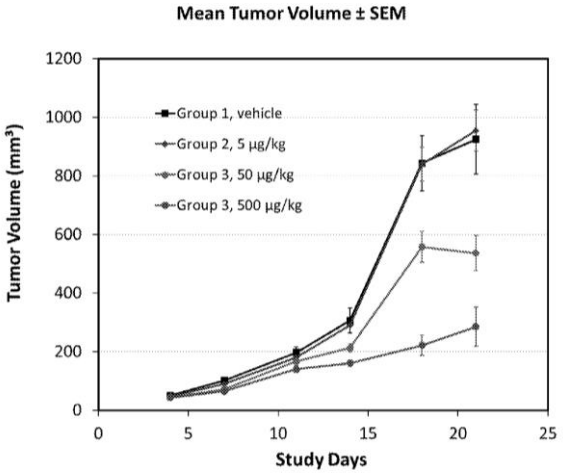
21: 2020/02043. 22: 2020/05/04. 43: 2023/10/30
51: H04B
71: VIASAT, INC.
72: MENDELSOHN, Aaron, BECKER, Donald
54: FLEXIBLE INTRA-SATELLITE SIGNAL PATHWAYS
00: -
Systems and methods are described for enabling flexible signal pathways within a satellite of a satellite communications system. For example, a pathway selection subsystem in a bent-pipe satellite enables a flexible arrangement of non-processed signal pathways that couple uplink antenna ports with downlink antenna ports via uplink and downlink pathway selectors. The pathway selectors can be dynamically reconfigured (e.g., on orbit), so that the configuration of the pathway selectors at one time can form one set of signal pathways between respective uplink and downlink antenna ports, and the configuration at another time can form a different set of signal pathways between respective uplink and downlink antenna ports. The pathway selection subsystem can have a simulcast mode which, when active, couples each of at least one of the uplink antenna ports with multiple of the user downlink antenna ports to form one or more simulcast signal pathways.



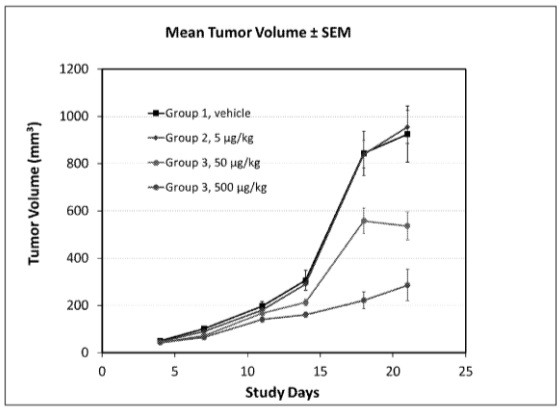
21: 2020/02084. 22: 2020/05/04. 43: 2023/10/10
51: H04N
71: VID SCALE, INC.
72: VANAM, RAHUL, HE, YUWEN, YE, YAN
33: US 31: 62/579,977 32: 2017-11-01
33: US 31: 62/607,033 32: 2017-12-18
54: METHODS FOR SIMPLIFYING ADAPTIVE LOOP FILTER IN VIDEO CODING
00: -
Systems, methods and instrumentalities are disclosed for adaptively selecting an adaptive loop filter (ALF) procedure for a frame based on which temporal layer the frame is in. ALF procedures may vary in computational complexity. One or more frames including the current frame may be in a temporal layer of a coding scheme. The decoder may determine the current frame's temporal layer level within the coding scheme. The decoder may select an ALF procedure based on the current frame's temporal layer level. If the current frame's temporal layer level is higher within the coding scheme than some other temporal layer levels, an ALF procedure that is less computationally complex may be selected for the current frame. Then the decoder may perform the selected ALF procedure on the current frame.



21: 2020/02089. 22: 2020/05/04. 43: 2023/10/02
51: A61K; C07K
71: HARPOON THERAPEUTICS, INC.
72: WESCHE, Holger, LEMON, Bryan D., AUSTIN, Richard J.
33: US 31: 62/572,375 32: 2017-10-13
54: B CELL MATURATION ANTIGEN BINDING PROTEINS
00: -
Disclosed herein are B cell maturation antigen binding proteins with improved binding affinities and improved ability to mediate killing of cancer cells expressing B cell maturation antigen (BCMA). Pharmaceutical compositions comprising the binding proteins disclosed herein and methods of treatment of a cancer or a metastasis thereof using such formulations are further provided.



21: 2020/02094. 22: 2020/05/04. 43: 2023/10/02
51: A61K
71: HARPOON THERAPEUTICS, INC.
72: WESCHE, Holger, LEMON, Bryan D., AUSTIN, Richard J.
33: US 31: 62/572,381 32: 2017-10-13
54: TRISPECIFIC PROTEINS AND METHODS OF USE
00: -
Provided herein are B cell maturation agent (BCMA) targeting trispecific proteins comprising a domain binding to CD3, a half-life extension domain, and a domain binding to BCMA. Also provided are pharmaceutical compositions thereof, as well as nucleic acids, recombinant expression vectors and host cells for making such BCMA targeting trispecific proteins. Also disclosed are methods of using the disclosed BCMA targeting trispecific proteins in the prevention, and/or treatment diseases, conditions and disorders.



21: 2020/02103. 22: 2020/05/04. 43: 2023/11/20
51: A61K; C07C; C07D
71: KHONDRION IP B.V.
72: SMEITINK, Johannes Albertus Maria, BEYRATH, Julien David
33: EP 31: 17203033.0 32: 2017-11-22
54: COMPOUNDS AS MPGES-1 INHIBITORS
00: -
The invention relates to amide-derivatives of 2-hydroxy-2-methyl-4-(3,5,6-trimethyl-1,4-benzoquinon-2-yl)-butanoic acid for use in a treatment for preventing or suppressing symptoms mediated by enhanced mPGES-1 expression or activity. In particular the invention relates the use of these compounds for treating diseases and conditions in which the inhibition of the enzyme mPGES-1 activity and/or expression would be beneficial such as inflammatory diseases, nociceptive pain, auto-immune diseases, breathing disorders, fever, cancer, inflammation related anorexia, Alzheimer's disease and cardiovascular disease.

21: 2020/02217. 22: 2020/05/04. 43: 2023/10/24
51: A24F
71: Nicoventures Trading Limited
72: WRIGHT, Jeremy
33: GB 31: 1717489.7 32: 2017-10-24
54: ELECTRONIC AEROSOL PROVISION DEVICE
00: -
There is provided a hatch section for an electronic aerosol provision device, wherein the hatch section comprises a sleeve (235) for receipt of an aerosol forming component, the sleeve defining a longitudinal axis and comprising first and second sections spaced along the longitudinal axis which

exert different rotational biases on the aerosol forming component when inserted into the sleeve.

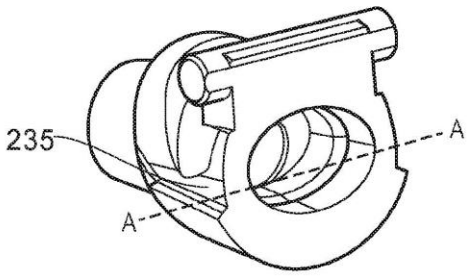


FIG. 9a

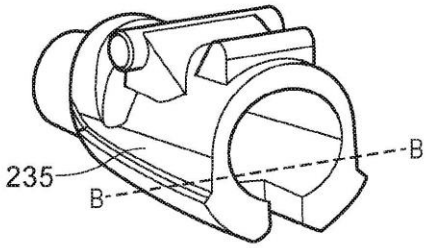


FIG. 9b

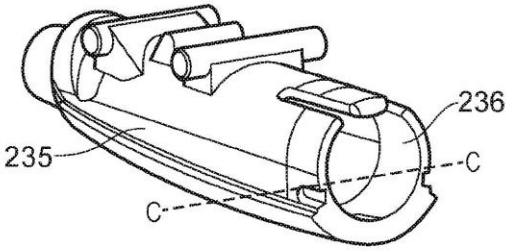


FIG. 9c

21: 2020/02575. 22: 2020/05/08. 43: 2023/10/25
51: H04L
71: nChain Holdings Limited
72: COVACI, Alexandra, MADEO, Simone, MOTYLINSKI, Patrick, VINCENT, Stephane
33: GB 31: 1718505.9 32: 2017-11-09

54: SYSTEM FOR RECORDING VERIFICATION KEYS ON A BLOCKCHAIN

00: -

Systems and methods described herein relate to the execution of locking transactions in a blockchain system. In the context of smart contracts, it may be advantageous to have a public record (e.g., recorded on a blockchain) of a proof of correct execution of a circuit published by a worker and the verification key, thereby allowing anyone (e.g., nodes of the blockchain) to verify validity of the computation and proof. However, there are challenges to recording large blocks of data (e.g., large keys that may comprise multiple elliptic curve points) on the blockchain. For example, in a Bitcoin - based blockchain network, a protocol that utilizes standard transactions may be constrained to locking scripts and unlocking scripts that are collectively no t larger than a first predetermined size limit, and the size of a redeem script (if utilized) may be limited to being no more than a second predetermined size limit

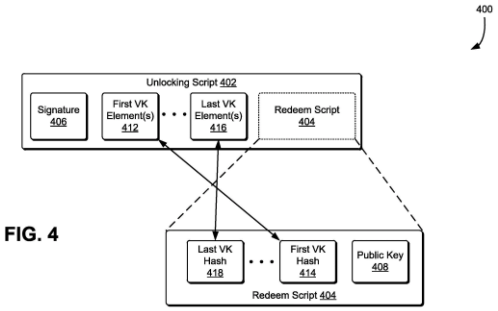


FIG. 4

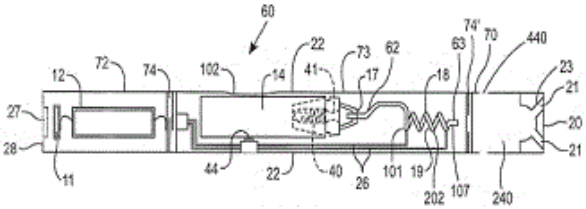
21: 2020/02712. 22: 2020/05/13. 43: 2023/10/09
51: A24F; A24B
71: ALTRIA CLIENT SERVICES LLC
72: LIPOWICZ, PETER, MARCQ, PAULINE, KOBAL, GERD, MISHRA, MUNMAYA K, KARLES, GEORGIOS D, LI, SAN
33: US 31: 61/856,286 32: 2013-07-19

54: CARTRIDGE FOR AN ELECTRONIC VAPING DEVICE

00: -

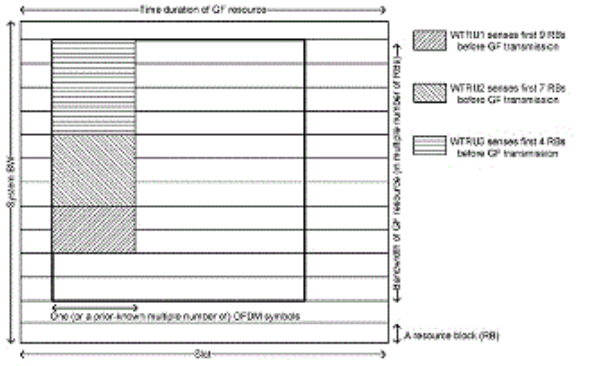
A cartridge for an electronic vaping device. The cartridge comprises a housing, a liquid formulation in the housing and a reservoir in the housing. The liquid formulation includes an aerosol former, water, nicotine bitartrate, and an acid. The nicotine bitartrate is provided in an amount sufficient to establish a nicotine content in a range of 2% to 10% by weight based on a weight of the liquid formulation. The acid is condensable at ambient temperature and has a boiling point of at least 150 oC. The acid is included in an amount ranging from about 0.1% by weight to about 15% by weight based

on the weight of the liquid formulation. The acid includes one of succinic acid, tartaric acid, sulfuric acid, carbonic acid, malonic acid, tartronic acid, acetic acid, benzoic acid, adipic acid, gluaric acid, pimelic acid, a sub-combination thereof, or a combination thereof. The liquid formulation has a pH ranging from 4 to 8. The liquid aerosol formulation is a mixture containing the aerosol former, the water, the nicotine bitartrate and the acid. The liquid formulation is a mixture containing the aerosol former, the water, the nicotine bitartrate and the acid. The reservoir contains the mixture of the liquid formulation.



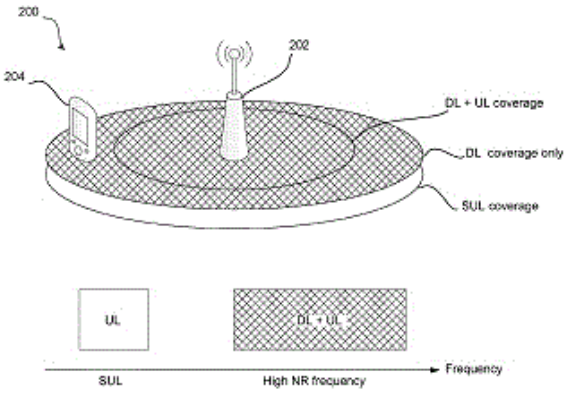
21: 2020/02840. 22: 2020/05/15. 43: 2023/10/05
51: C07C; C07B
71: MITSUBISHI CHEMICAL CORPORATION
72: SATO, TAKASHI, TANAKA, YOSHIYUKI
33: JP 31: 2017-219776 32: 2017-11-15
54: METHOD FOR PRODUCING ALDEHYDE AND METHOD FOR PRODUCING ALCOHOL
00: -
The present invention relates to a method for producing an aldehyde by a hydroformylation reaction of reacting an olefin with hydrogen and carbon monoxide in the presence of a Group 8 to 10 metal-phosphine complex catalyst, including the following steps (1) and (2): (1) a step of withdrawing a reaction solution having accumulated therein a high-boiling-point byproduct from a reaction zone and oxidizing by bringing the withdrawn reaction solution into contact with an oxygen-containing gas, and (2) a step of, after the step (1), mixing a poor solvent and hydrogen with the reaction solution, then crystallizing the Group 8 to 10 metal-phosphine complex catalyst by crystallization, and recovering the crystallized complex catalyst from the reaction solution.

21: 2020/02856. 22: 2020/05/15. 43: 2023/10/10
51: H04L; H04W
71: INTERDIGITAL PATENT HOLDINGS, INC.
72: HEDAYAT, AHMAD REZA, NAYEB NAZAR, SHAHROKH, OTERI, OGHENEKOME
33: US 31: 62/586,473 32: 2017-11-15
54: GRANT-FREE UPLINK TRANSMISSIONS
00: -
A wireless transmit receive unit (WTRU) may send a grant free transmission comprising a first and a second part, each of which may be associated with a priority. The first part's priority may be higher than the second part's priority. The WTRU may select a first back of value from a first range of back off values. The WTRU may determine whether the grant free transmission was successful. If the grant free transmission was not successful, the WTRU may send a retransmission of the grant free transmission, which may include the first part and may not include the second part. The retransmission may select a second back off value from a second range of back off values, which may be a larger than the first range of back off values. The second back off value may indicate the number of grant free resource to skip prior to sending the retransmission.



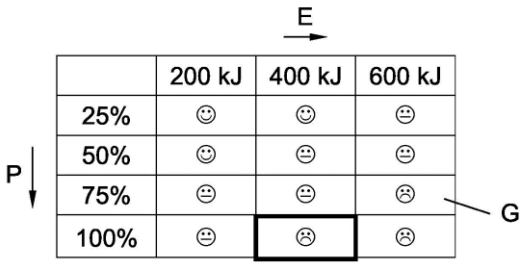
21: 2020/02892. 22: 2020/05/18. 43: 2023/10/09
51: H04W
71: INTERDIGITAL PATENT HOLDINGS, INC.
72: FREDA, MARTINO M, PELLETIER, GHYSLAIN, HAJIR, MOUNA, DEENOO, YUGESWAR, MARINIER, PAUL
33: US 31: 62/615,255 32: 2018-01-09
33: US 31: 62/585,878 32: 2017-11-14
33: US 31: 62/629,901 32: 2018-02-13
54: SUPPLEMENTARY UPLINK IN WIRELESS SYSTEMS
00: -
Supplementary uplink (SUL) may be used in wireless systems. Cell suitability criteria may be provided for cells configured with SUL. A Wireless Transmit/Receive Unit (WTRU) may receive paging

with an indication of a carrier (e.g., SUL or regular uplink (RUL)) in which to initiate part or all of an initial access. A WTRU that may be performing response-driven paging may provide (e.g. explicit) beam information for beamforming of a paging message on a non-beamformed SUL. A handover (HO) procedure (e.g., carrier selection, configuration handling, HO failure, etc.) may be provided for a WTRU with a configured SUL. A WTRU may request a change of a configured UL. A WTRU may (e.g., autonomously) perform a switch to a different (e.g., configured) uplink, for example, when one or more conditions may be met (e.g., conditional switch). Semi-persistent scheduling (SPS) resources/configuration may be relocated from a first UL to a second UL.



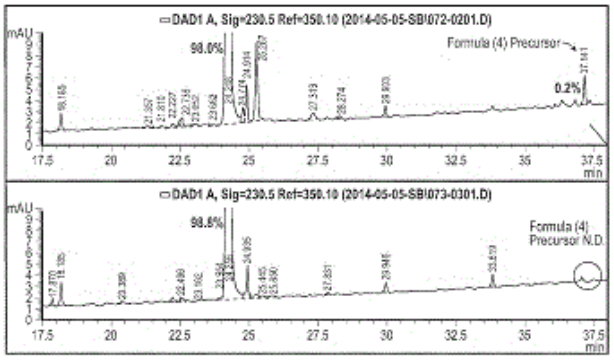
21: 2020/02912. 22: 2020/05/19. 43: 2023/10/16
51: G05B; H02H
71: Eaton Intelligent Power Limited
72: GEGENBAUER, Bernhard, REUBERGER, Georg, ŠTEPÁN, František
33: DE 31: 10 2017 125 310.6 32: 2017-10-27
54: METHOD AND SYSTEM FOR DETERMINING A HAZARD POTENTIAL OF AN ELECTRICAL INSTALLATION
00: -

The invention relates to a method and to a system for planning an electrical installation (1), wherein components (2..11, S1..S6, 11..13) of the planned installation (1) are registered and a hazard potential (G) for the electrical installation (1) is determined and, in particular, indicated. The determination is made on the basis of at least one arc energy parameter (Y_{E1}, Y_{E2}) or on the basis of a prospective arc energy (E) of an arc (X) occurring in the electrical installation (1). Furthermore, the determination of the hazard potential (G) is made on the basis of at least one arc probability parameter (Yp) or on the basis of a prospective arc probability (P) for the occurrence of an arc (X) in the electrical installation (1). The invention further relates to a computer program product for carrying out the method.

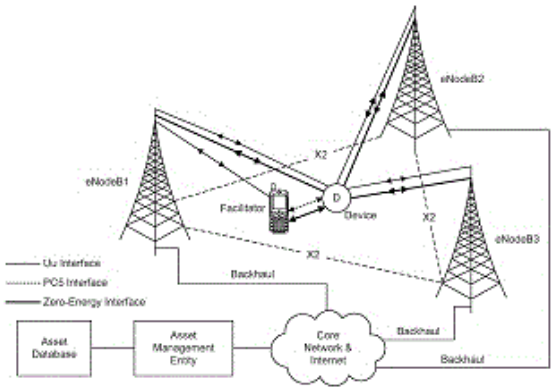


M1	y	n
M2	y	n
M3	y	n

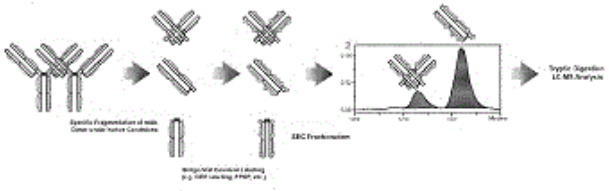
21: 2020/03037. 22: 2020/05/22. 43: 2023/10/05
51: A61K; C07K
71: SEAGEN INC.
72: BLANCHARD, SOPHIE, COATS, JAMES
33: US 31: 62/593,104 32: 2017-11-30
54: PROCESS FOR THE PREPARATION OF DRUG LINKER COMPOUNDS
00: -
This disclosure generally relates to novel processes for the preparation of drug linker compounds and compositions comprising such drug linker compounds. The presently disclosed methods for synthesizing Fmoc-Val-Cit-PABOH and related compounds have also been found to minimize formation of diastereomeric impurities.



21: 2020/03250. 22: 2020/05/29. 43: 2023/10/13
51: H04W
71: INTERDIGITAL PATENT HOLDINGS, INC.
72: HAQUE, TANBIR, PRAGADA, RAVIKUMAR V, BALASUBRAMANIAN, ANANTHARAMAN, DEMIR, ALPASLAN
33: US 31: 62/593,631 32: 2017-12-01
54: NETWORK INITIATED ON-DEMAND ZERO-ENERGY PAGING METHOD AND APPARATUS
00: -
A wireless transmit/receive unit (WTRU) may include one or more antennas and a first transceiver operatively coupled to the antennas. The one or more antennas and the first transceiver may be configured to receive a first signal from a network using zero energy from the WTRU. The one or more antennas and the first transceiver may be further configured to extract energy from the first signal. The first transceiver may be further configured to examine a separation between energy threshold events to decode an energy signature of the first signal. The first transceiver may be further configured to activate a second transceiver operatively coupled to the one or more antennas if the decoded energy signature matches a stored energy signature, wherein the second transceiver is powered by the WTRU. The one or more antennas and the second transceiver may be configured to receive a second signal from the network.



21: 2020/03546. 22: 2020/06/12. 43: 2023/10/16
51: G01N
71: REGENERON PHARMACEUTICALS, INC.
72: WANG, SHUNHAI, YAN, YUETIAN
33: US 31: 62/625,732 32: 2018-02-02
33: US 31: 62/738,051 32: 2018-09-28
54: SYSTEM AND METHOD FOR CHARACTERIZING PROTEIN DIMERIZATION
00: -
Systems and methods to characterize dimerization interfaces at the subdomain level of a protein are provided. An exemplary method includes digesting a protein dimer sample into subdomains, labeling the digested protein sample, isolating labeled dimeric and monomeric subdomain fragments, and peptide mapping the labeled sample to determine where the dimer fragments are labeled and where the dimer fragments are not labeled. Regions that show decreased labeling extents in the dimer fraction than that in the monomer fraction are likely involved or in close proximity to the dimerization interface.



21: 2020/03720. 22: 2020/06/19. 43: 2023/10/24
51: A24F
71: Nicoventures Trading Limited
72: BRUTON, Connor, AZZOPARDI, Anna, MOLONEY, Patrick, KORUS, Anton, DICKENS, Colin, SPENCER, Alfred Vincent, HARVEY, Lisa, BLICK, Kevin David
33: GB 31: 1721470.1 32: 2017-12-20
54: ELECTRONIC AEROSOL PROVISION SYSTEM

00: -
Described is an aerosol provision device for generating aerosol to be inhaled by a user from a plurality of discrete aerosol generating areas each containing an aerosol generating component, the aerosol provision device comprising: a mouthpiece from which a user inhales generated aerosol during use; a first flow pathway arranged to pass through a first aerosol generating area and fluidly connected to the mouthpiece; and a second flow pathway arranged to pass through a second aerosol generating area and fluidly connected to the mouthpiece, wherein the first and second flow pathways are each provided with a flow restriction member configured to vary the flow of air through the respective flow pathways based on the presence of an aerosol generating component in the respective aerosol generating areas in the device and / or a parameter associated with the respective aerosol generating component in the device.

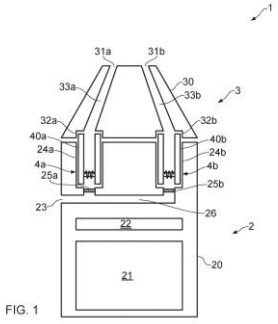
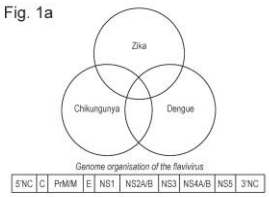
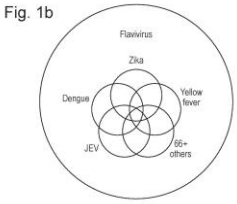


FIG. 1

21: 2020/03770. 22: 2020/06/22. 43: 2023/10/19
51: A61K; C07K
71: Emergex Vaccines Holding Limited
72: PHILIP, Ramila
33: US 31: 62/614,375 32: 2018-01-06
54: MHC CLASS I ASSOCIATED PEPTIDES FOR PREVENTION AND TREATMENT OF MULTIPLE FLAVI VIRUS
00: -
The invention provides a vaccine composition comprising a flavi peptide comprising one or more CD8+ T cell epitopes.

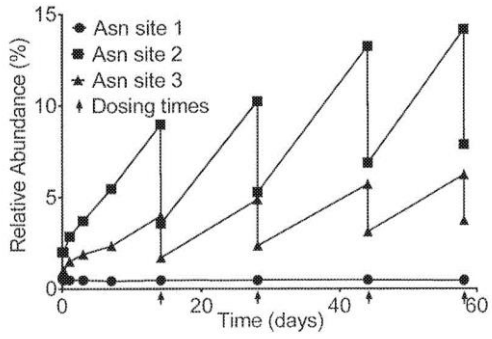




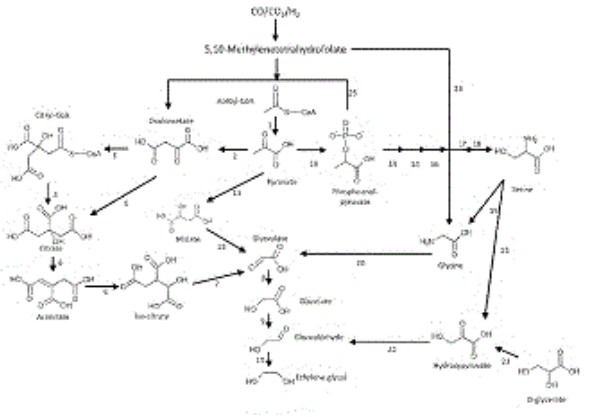
21: 2020/03844. 22: 2020/06/24. 43: 2023/10/09
51: A23L; C12C
71: CARLSBERG A/S
72: FINN LOK, KATARZYNA KRUCEWICZ, LUCIA MARRI, BIRGITTE SKADHAUGE, SØREN KNUDSEN, TONI WENDT, OLE OLSEN
33: EP 31: 17210958.9 32: 2017-12-28
54: METHOD FOR PRODUCING AN EXTRACT OF CEREAL AND METHOD FOR PROCESSING THIS EXTRACT INTO BEVERAGE
00: -
The present invention relates to methods for preparing cereal-based beverages. The present invention provides, for example, methods for steeping and germination of cereal grain under continuous aeration. Particularly, the present invention provides methods for heating the germinated cereal grains prior to wet milling of germinated cereal grains and direct transfer of the germinated grain, without drying, to the brewery for further processing. Compared to current methods the methods of the present invention significantly reduce water consumption, energy consumption and transport need.

21: 2020/03894. 22: 2020/06/26. 43: 2023/11/20
51: G01N
71: REGENERON PHARMACEUTICALS, INC.
72: XU, Xiaobin, HUANG, Yu
33: US 31: 62/625,219 32: 2018-02-01
54: QUANTITATION AND MODELING OF QUALITY ATTRIBUTES OF THERAPEUTIC MONOCLONAL ANTIBODIES
00: -
Methods of predicting an in vivo serum concentration of an antibody with a post-translational modification of interest after administration of the antibody are provided, as are methods for predicting a subject's exposure to post-translational variants of the antibody. The methods include predicting a percentage of the antibody with the post-translational modification of interest using an in vivo rate constant determined for the post-translational

modification, and multiplying the predicted percentage of the antibody with the post-translational modification of interest by the in vivo concentration of the antibody to determine the concentration of the antibody with the post-translational modification of interest.



21: 2020/04080. 22: 2020/07/03. 43: 2023/10/06
51: C12P; C12N
71: LANZATECH, INC.
72: KOEPKE, MICHAEL, JENSEN, RASMUS
33: US 31: 62/683,454 32: 2018-06-11
33: US 31: 62/607,446 32: 2017-12-19
54: MICROORGANISMS AND METHODS FOR THE BIOLOGICAL PRODUCTION OF ETHYLENE GLYCOL
00: -
The invention provides genetically engineered microorganisms and methods for the biological production of ethylene glycol and precursors of ethylene glycol. In particular, the microorganism of the invention produces ethylene glycol or a precursor of ethylene glycol through one or more of 5,10-methylenetetrahydrofolate, oxaloacetate, citrate, malate, and glycine. The invention further provides compositions comprising ethylene glycol or polymers of ethylene glycol such as polyethylene terephthalate.

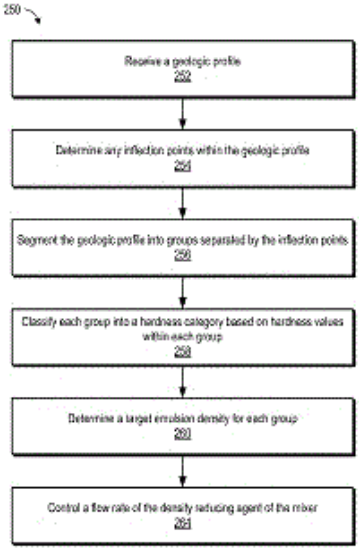


21: 2020/04099. 22: 2020/07/06. 43: 2023/10/06
51: A61K
71: SEAGEN INC.
72: KOLAKOWSKI, ROBERT, JEFFREY, SCOTT, BURKE, PATRICK
33: US 31: 61/918,539 32: 2013-12-19
33: TW 31: 103144705 32: 2014-12-19
54: METHYLENE CARBAMATE LINKERS FOR USE WITH TARGETED-DRUG CONJUGATES
00: -
The present invention provides Ligand-Drug Conjugates and Drug-Linker Compounds comprising a methylene carbamate unit. The invention provides inter alia, Ligand-Drug Conjugates, wherein the Ligand-Drug Conjugate is comprised of a Self-immolative Assembly Unit having a methylene carbamate unit for conjugation of a drug to a targeting ligand, methods of preparing and using them, and intermediates thereof. The Ligand-Drug Conjugates of the present invention are stable in circulation, yet capable of inflicting cell death once free drug is released from a Conjugate in the vicinity or within tumor cells.

21: 2020/04100. 22: 2020/07/06. 43: 2023/10/06
51: C07D; A61K
71: TURNING POINT THERAPEUTICS, INC.
72: CUI, JINGRONG JEAN, LI, YISHAN, ROGERS, EVAN W, ZHAI, DAYONG
33: US 31: 62/049,326 32: 2014-09-11
33: US 31: 61/931,506 32: 2014-01-24
33: US 31: 62/106,301 32: 2015-01-22
54: DIARYL MACROCYCLES AS MODULATORS OF PROTEIN KINASES
00: -
The present invention relates to certain diaryl macrocyclic compounds, pharmaceutical compositions containing them, and methods of using

them, including methods for treating cancer, pain, neurological diseases, autoimmune diseases, and inflammation.

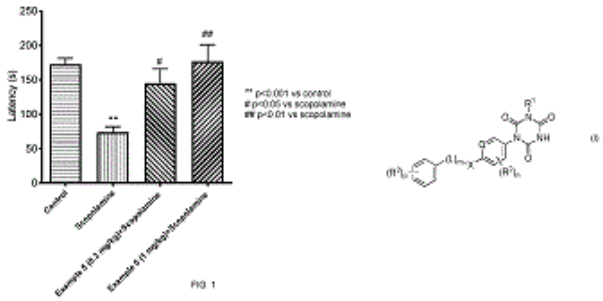
21: 2020/04120. 22: 2020/07/06. 43: 2023/10/09
51: E21B
71: DYNO NOBEL INC.
72: AVERETT, JEFF, GILTNER, SCOTT, O'CONNOR, PATRICK
33: US 31: 62/623,094 32: 2018-01-29
33: US 31: 62/782,917 32: 2018-12-20
54: SYSTEMS FOR AUTOMATED LOADING OF BLASTHOLES AND METHODS RELATED THERETO
00: -
Systems for automatedly delivering explosives with variable densities are disclosed herein. Methods of automatedly delivering explosives with variable densities are disclosed herein. Methods of determining an emulsion explosive density profile are disclosed herein.



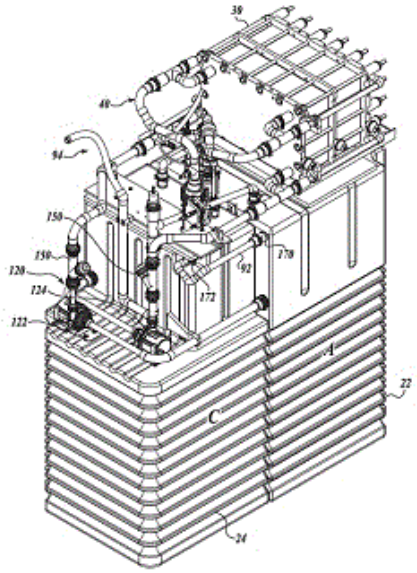
21: 2020/04150. 22: 2020/07/07. 43: 2023/10/10
51: A01H; C12N
71: AFINGEN, INC.
72: OIKAWA, AI
33: US 31: 62/623,279 32: 2018-01-29
54: COMPOSITIONS AND METHODS FOR INCREASING PLANT GROWTH AND IMPROVING MULTIPLE YIELD-RELATED TRAITS
00: -
The present invention relates to transgenic plants with vascular xylem tissue- targeting overexpression of tissue factors involved in vascular xylem cell development.

21: 2020/04218. 22: 2020/07/09. 43: 2023/10/05
51: H01M
71: KIST EUROPE FORSCHUNGSGESELLSCHAFT MBH, CMBLU ENERGY AG
72: CHEN, RUIYONG, YE, RUIJIE, HEMPELMANN, ROLF, KIM, SANGWON, MÖLLER, ALEXANDER, HARTWIG, JAN, KRAWCZYK, NASTARAN, GEIGLE, PETER
33: EP 31: PCT/EP2018/056087 32: 2018-03-12
54: AQUEOUS COMPOSITION AS ELECTROLYTE COMPRISING IONIC LIQUIDS OR LITHIUM SALTS
00: -
The present invention relates to aqueous solution containing at least one ionic liquid and/or at least one lithium salt as supporting components and at least one redox active species. It thereby allows the solution to be used as an electrolyte improving the performance and characteristics for redox active organics in batteries. Moreover, the present invention refers to the use of such solutions as electrolytes in batteries and to batteries containing such solutions.

21: 2020/04220. 22: 2020/07/09. 43: 2023/10/16
51: C07D; A61K; A61P
71: ALZECURE PHARMA AB
72: NORDVALL, GUNNAR, FORSELL, PONTUS
33: SE 31: 1850217-9 32: 2018-02-26
33: GB 31: 1810667.4 32: 2018-06-28
54: TRIAZINE DERIVATIVES FOR TREATING DISEASES RELATING TO NEUROTROPHINS
00: -
There is provided herein a compound of formula (I) wherein R1, R2, n, X, Q, L, m, R3 and p are as defined herein, which compounds are useful in the treatment of treatment of diseases characterised by impaired signalling of neurotrophins and/or other trophic factors, such as Alzheimer's disease and the like.



21: 2020/04238. 22: 2020/07/10. 43: 2023/10/05
51: H01M
71: Venture Lending & Leasing VIII, Inc., aka WTI
72: WINTER, RICHARD O, OSEEN-SENDA, KATHRYN M, AHER, BRIAN, HORNER, JONATHAN, XIA, GUANGUANG, WU, JINFENG, JOHNSON, ERIK K. L, CRUZ, JASON I
33: US 31: 62/607,842 32: 2017-12-19
54: FLOW BATTERY SYSTEM
00: -
In accordance with embodiments of the present disclosure, a redox flow battery (RFB) may include a shell, an electrolyte storage tank assembly disposed in the shell, wherein at least a portion of the electrolyte storage tank assembly is supported by the shell, an electrochemical cell, and an electrolyte circulation system configured for fluid communication between the electrolyte storage tank assembly and the electrochemical cell. In some embodiments, at least a portion of the electrolyte storage tank assembly defines a tank assembly heat transfer system between an outer surface of the electrolyte storage tank assembly and an inner surface of the shell. In other embodiments, a pump assembly in the electrolyte circulation system is moveable between a first position and a second position. In other embodiments, a gas management system includes a first gas exchange device in fluid communication with the catholyte headspace and the anolyte.



21: 2020/04255. 22: 2020/07/10. 43: 2023/10/24
51: G06F; H04L; H04W
71: nChain Holdings Limited
72: COVACI, Alexandra, MADEO, Simone, MOTYLINSKI, Patrick, VINCENT, Stephane
33: GB 31: 1720768.9 32: 2017-12-13
54: SYSTEM AND METHOD FOR SECURELY SHARING CRYPTOGRAPHIC MATERIAL
00: -
Systems and methods described herein relate to techniques in which multiple parties each generate and exchange quantities that are based on a shared secret (e.g., powers of the shared secret) without exposing the shared secret. According to a protocol, two or more parties may exchange sets of elliptic curve points generated over polynomials that can be used, by each of the two or more parties, to determine a power of a shared secret. The protocol may be utilised as part of determining parameters for a smart contract that is broadcast to a blockchain network (e.g., Bitcoin). Based on the protocol, an additional party (e.g., a third party different from the two or more parties) may perform a computational task such as execution of the smart contract.

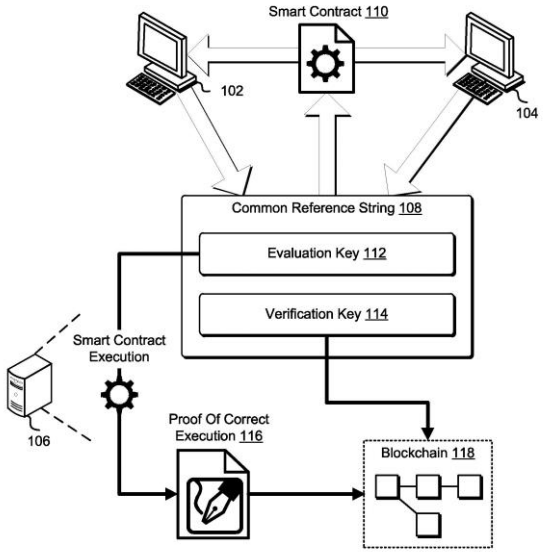
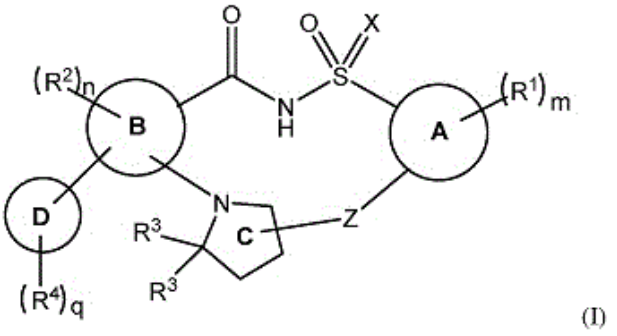


FIG. 1

21: 2020/04357. 22: 2020/07/15. 43: 2023/10/05
51: C07D; A61P; A61K
71: VERTEX PHARMACEUTICALS INCORPORATED
72: CLEMENS, JEREMY J, ABELA, ALEXANDER RUSSELL, ANDERSON, COREY DON, BUSCH, BRETT B, CHEN, WEICHAO GEORGE, CLEVELAND, THOMAS, COON, TIMOTHY RICHARD, FRIEMAN, BRYAN, GHIRMAI, SENAIT G, GROOTENHUIS, PETER, GULEVICH, ANTON V, HADIDA RUAH, SARA SABINA, HSIA, CLARA KUANG-JU, KANG, PING, KHATUYA, HARIPADA, MCCARTNEY, JASON, MILLER, MARK THOMAS, PARASELLI, PRASUNA, PIERRE, FABRICE, SWIFT, SARA E, TERMIN, ANDREAS, UY, JOHNNY, VOGEL, CARL V, ZHOU, JINGLAN
33: US 31: 62/631,453 32: 2018-02-15
54: MACROCYCLES AS MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR, PHARMACEUTICAL COMPOSITIONS THEREOF, THEIR USE IN THE TREATMENT OF CYCSTIC FIBROSIS, AND PROCESS FOR MAKING THEM
00: -
Compounds of Formula (I), pharmaceutically acceptable salts thereof, deuterated derivatives of any of the foregoing, and metabolites of any of the foregoing are disclosed. Pharmaceutical compositions comprising the same, methods of treating cystic fibrosis using the same, and methods for making the same are also disclosed.



(I)

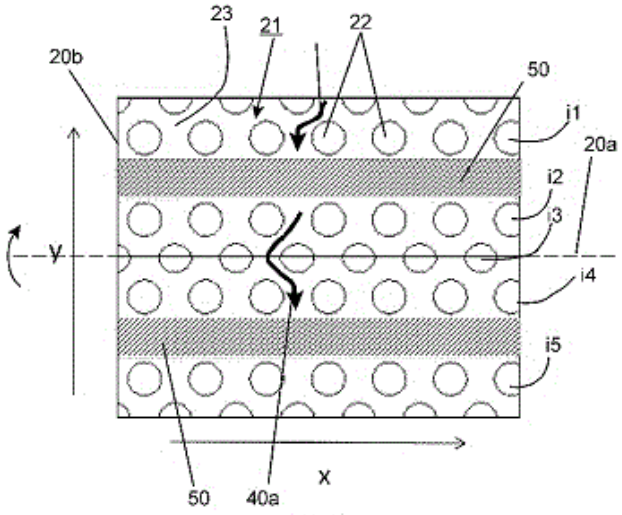
21: 2020/04432. 22: 2020/07/17. 43: 2023/10/05
51: A61L
71: REDDRESS LTD.
72: KUSHNIR, ALON, KUSHNIR, IGAL
33: IL 31: 254636 32: 2017-09-24
54: ASSEMBLY AND METHOD FOR THE PREPARATION OF A WOUND DRESSING
00: -
The present disclosure provides a wound dressing assembly comprising (i) a blood-clotting mold device having an enclosure defined between walls of a main body and a removable closure over an opening and is configured for introduction of blood thereinto, and (ii) a coagulation initiator in an amount sufficient to coagulate blood introduced into the enclosure to form a blood clot, wherein the formed blood clot is transferable onto a wound. Also provided by the present disclosure is a method for preparing a wound dressing by introducing a volume of blood into the enclosure of the blood-clotting mold device, maintaining the blood within the enclosure for a time sufficient to permit clotting of the blood to thereby obtain a blood clot; removing said closure to open the enclosure; and extracting the blood clot from the enclosure. The blood clot thus formed may be used in a method for dressing a wound by fixation of the clot onto the wound, which method also forms part of the present disclosure.

21: 2020/04604. 22: 2020/07/24. 43: 2023/10/05
51: B02C
71: WEIR MINERALS NETHERLANDS B.V.
72: HANNOT, STEPHAN DAVID ARJAN, VAN DER ENDE, RENÉ
33: NL 31: 2020403 32: 2018-02-08

54: A ROLL FOR A ROLLER PRESS, AS WELL AS A ROLLER PRESS PROVIDED WITH SUCH A ROLL

00: -

The invention relates to a roll for a roller press suitable for comminution of granular material by interparticle crushing, as well as a roller press provided with such a roll. In certain applications and under specific operational conditions the autogenous layer starts to displace or flow between the outwardly extending wear-resistant surface studs. This flow of granular material has a low velocity relative to the roll and can cause excessive wear to the base material of the outer cylindrical pressing surface of the roll, instead of protecting it.



21: 2020/04701. 22: 2020/07/29. 43: 2023/11/16
51: A61K; C07K; C12N; A61P
71: JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD, SHANGHAI HANSOH BIOMEDICAL CO., LTD.
72: BAO, Rudi, HUA, Haiqing, LIU, Suxia, ZHANG, Fujun, WANG, Ting
33: CN 31: 201810142118.6 32: 2018-02-11

54: ANTI-B7-H4 ANTIBODY, ANTIGEN-BINDING FRAGMENT THEREOF AND PHARMACEUTICAL USE THEREOF

00: -

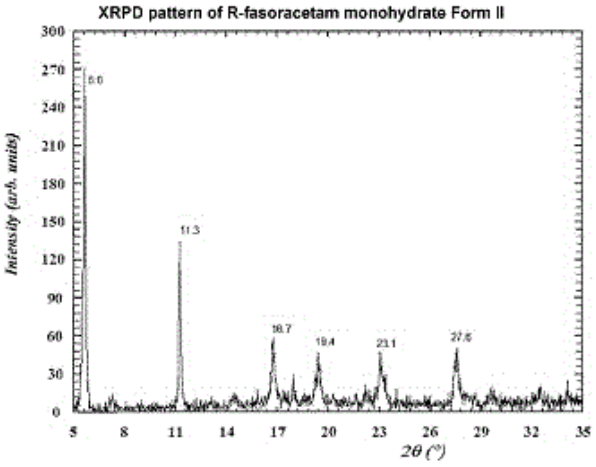
An anti-B7-H4 antibody, an antigen-binding fragment thereof and pharmaceutical use thereof. A chimeric antibody and a humanized antibody comprising a CDR region of the anti-B7-H4 antibody, a pharmaceutical composition comprising the anti-B7-H4 antibody and the antigen-binding fragment thereof, and use thereof as an anti-cancer medicament. A humanized anti-B7-H4 antibody and use thereof in the preparation of a medicament for treating diseases or conditions mediated by B7-H4.

21: 2020/04942. 22: 2020/08/11. 43: 2023/10/09
51: C12Q; G01N
71: THE CHILDREN'S HOSPITAL OF PHILADELPHIA
72: LEYSSENS, TOM, HARMSEN, BRAM
33: US 31: 62/668,108 32: 2018-05-07
33: US 31: 62/683,419 32: 2018-06-11
33: US 31: 62/619,031 32: 2018-01-18

54: FASORACETAM CRYSTALLINE FORMS

00: -

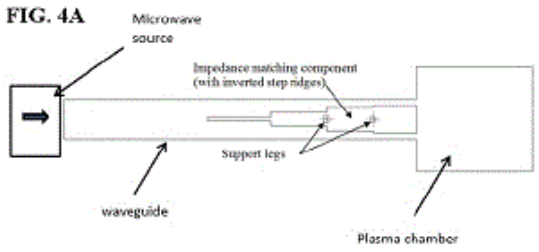
The disclosure is directed to crystalline forms and mixtures thereof of R-fasoracetam. Such crystalline forms include Form II monohydrate R-fasoracetam and the anhydrate form of R-fasoracetam. The disclosure further includes mixtures of the anhydrate form of R-fasoracetam together with one or more of Form I monohydrate R-fasoracetam and Form II monohydrate R-fasoracetam.



21: 2020/05001. 22: 2020/08/13. 43: 2023/10/06
51: H05H
71: PHOENIX LLC
72: KOBERNIK, ARNE, SHERVEN, CARL, LAMERS, CASEY, SEYFERT, CHRIS, SENGBUSCH, EVAN, BECERRA, GABRIEL, LEE, JIN, CAMPBELL, LOGAN, THOMAS, MARK, TAYLOR, MICHAEL, BARROWS, PRESTON, RADEL, ROSS, GRIBB, TYE
33: US 31: 62/447,685 32: 2017-01-18

54: HIGH POWER ION BEAM GENERATOR SYSTEMS AND METHODS

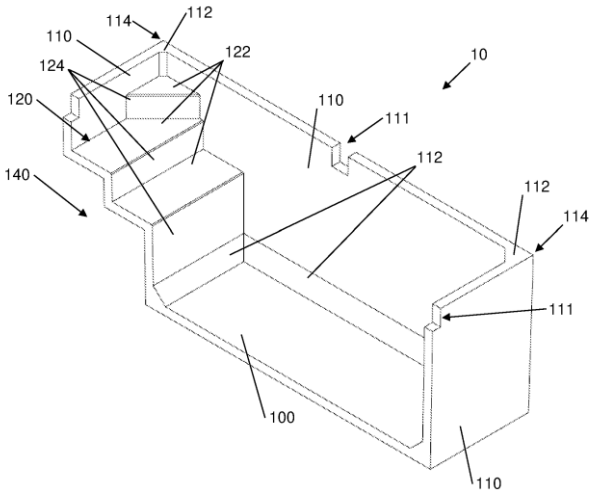
00: -
Provided herein are high energy ion beam generator systems and methods that provide low cost, high performance, robust, consistent, uniform, low gas consumption and high current/high-moderate voltage generation of neutrons and protons. Such systems and methods find use for the commercial-scale generation of neutrons and protons for a wide variety of research, medical, security, and industrial processes.



21: 2020/05049. 22: 2020/08/14. 43: 2023/10/24
51: A23J; A23K
71: Anheuser-Busch InBev S.A.
72: GIL-MARTINEZ, Jorge, ARENDT, Elke
33: BE 31: BE2018/5096 32: 2018-02-16
54: A PROCESS FOR RECOVERING PROTEINACEOUS AND/OR FIBROUS MATERIAL FROM BREWERS' SPENT GRAINS, AND USE THEREOF
00: -
A process of extracting or purifying proteinaceous material and/or fibraceous material from brewer's spent grain (BSG), the process comprising the steps of: Providing brewer's spent grain; Performing saccharification by enzymatic treatment of the brewer's spent grain and a fermentation of the saccharified brewer's spent grain with lactic acid bacteria and/or acetic acid bacteria and/or probiotics to obtain a fermented broth; and extracting and/or purifying proteinaceous and/or fibraceous material from the fermented BSG.

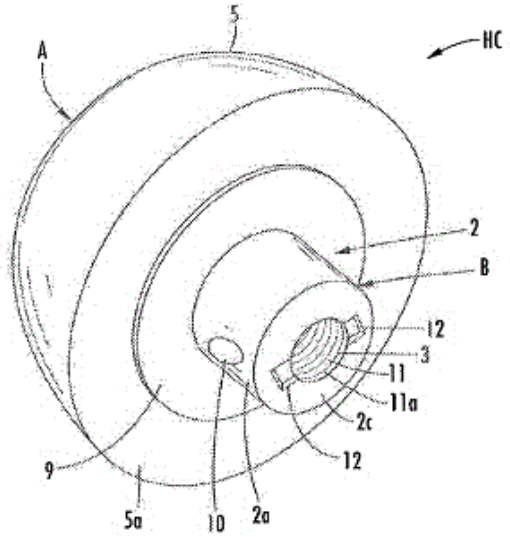
21: 2020/05153. 22: 2020/08/19. 43: 2023/10/05
51: A23K; A23L
71: R.P. SCHERER TECHNOLOGIES, LLC
72: OKAYAMA, TOSHIKAZU, TAKAHASHI, MIYAKO, FUJII, TAKUMA
33: US 31: 62/643,521 32: 2018-03-15
54: ENTERIC SOFTGEL CAPSULES
00: -
Enteric softgel capsules comprise a fill material and an enteric shell composition, characterized in that the enteric nature of the capsules may be achieved without an enteric coating or added conventional enteric polymers.

21: 2020/05178. 22: 2020/08/20. 43: 2023/11/20
51: A47K; A61H; E04H
71: PLUNGIE IP PTY LTD
72: HERMANS, Ty Gerard, PETERSEN, Ben, JUNG, Mayer, GANNON, Michael
33: AU 31: 2018900498 32: 2018-02-16
54: PLUNGE POOL
00: -
A pool, preferably a plunge pool, that can be prefabricated and on site installed in a short space of time is provided. The pool is integrally formed, resulting in a unitary pool shell having a floor, one or more sidewalls connected to the floor, a surface, such as a step or bench, extending from at least one of the sidewalls; and a peripheral wall extending from the surface to the floor.



21: 2020/05194. 22: 2020/08/20. 43: 2023/10/05
51: A61F; A61B
71: JOINT INNOVATION TECHNOLOGY, LLC
72: TERMANINI, ZAFER
33: US 31: 15/911,128 32: 2018-03-04
54: ARTHROSCOPIC SHOULDER ARTHROPLASTY, COMPONENTS, INSTRUMENTS, AND METHOD THEREOF
00: -
A novel method and instrumentation for insertion of humeral (HC) and glenoid (GC) total shoulder implant using arthroscopic visualization for bony

preparation as well as insertion of components through small incisions. Mini instruments (24) and cannulated guides and reamers (64) are used in order to perform the procedure under direct arthroscopic visualization. For ease of insertion, the components are inserted separately and assembled in situ. Securing the humeral components in place is accomplished with bicortical screw (75) transfixing the central peg (2a) of component. Also disclosed are components, parts thereof and instruments used therewith.



21: 2020/05259. 22: 2020/08/24. 43: 2023/10/05
51: C07K; A61K; A61P
71: ADAGENE INC.
72: LUO, PETER PEIZHI, DU, FANGYONG, PAN, ZHONGZONG, LIU, GUIZHONG
33: CN 31: PCT/CN2018/075064 32: 2018-02-02
54: ANTI-CTLA4 ANTIBODIES AND METHODS OF MAKING AND USING THE SAME
00: -
Provided herein are cross-reactive antibodies (or antigen binding fragments thereof) that bind to human CTLA4, activatable antibodies that bind to human CTLA4, nucleic acid molecules encoding the same, pharmaceutical compositions thereof, and methods of their therapeutic use (e.g., for treatment of cancer).

21: 2020/05351. 22: 2020/08/27. 43: 2023/10/26
51: D04B
71: Lonati S.p.A.
72: LONATI, Ettore, LONATI, Fausto, LONATI, Francesco
33: IT 31: 102018000002290 32: 2018-02-01
54: METHOD FOR THE PRODUCTION OF PORTIONS OF MANUFACTURE BY MEANS OF A CIRCULAR KNITTING MACHINE WITH NEEDLE CYLINDER THAT CAN BE ACTUATED WITH AN ALTERNATING ROTARY MOTION ABOUT ITS OWN AXIS
00: -
A method for knitting on a circular knitting machine that can be actuated with an alternating rotary motion, comprising: - dividing a group of contiguous needles into two contiguous needle subgroups (13-72; 73-132); - moving one needle subgroup to knit while rotating the needle cylinder in one direction and, subsequently, in the opposite direction to form two partial rows of knitting (301, 302; 303, 304); - moving the other needle subgroup to knit while rotating the needle cylinder in one direction of rotation and, subsequently, in the opposite direction to form two partial rows of knitting; - for a preset number of partial rows, alternating, every two partial rows, the needle subgroup moved to knit; whereby at least one needle (72, 73) of a needle subgroup, located proximate to the other needle subgroup, is moved to knit while forming at least one of the two partial rows of knitting formed by the other needle subgroup to interconnect the partial rows of knitting.

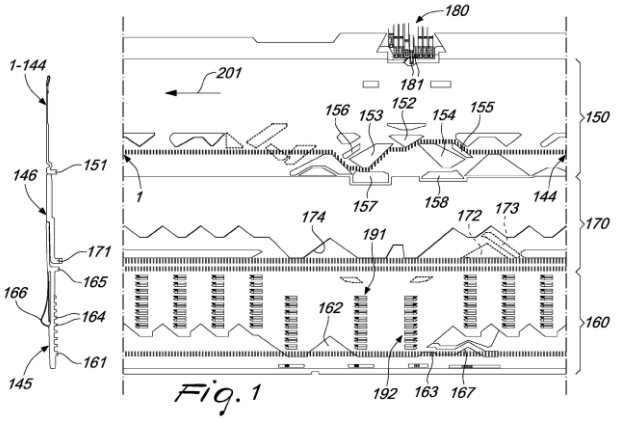
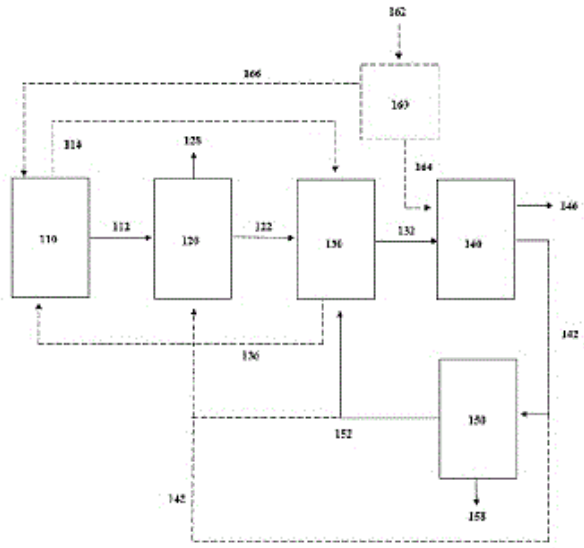


Fig. 1

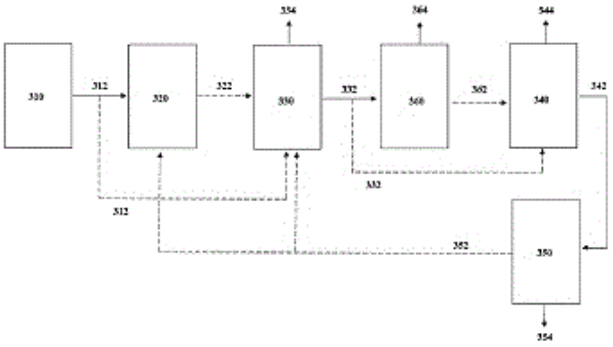
21: 2020/05363. 22: 2020/08/27. 43: 2023/10/05
51: H04L; H04N
71: MUTUALINK, INC.
72: MAZZARELLA, JOSEPH, LIPMAN, DERRELL, SETLUR, ANAND, WENGROVITZ, MICHAEL
33: US 31: 15/913,121 32: 2018-03-06
54: IMPLEMENTING PUSH-TO-TALK IN A MULTIMEDIA CONFERENCING SYSTEM

00: -
Systems and methods of providing push-to-talk communication techniques in a multimedia conferencing session are provided. For instance, a push-to-talk mode can be implemented in a conferencing session associated with a conferencing system comprising a plurality of endpoints. At least one of the endpoints can be a full duplex endpoint. A request for transmission capabilities can be received from a first endpoint. Transmission capabilities can be granted to the first endpoint based at least in part on one or more floor control parameters associated with the conferencing session. Subsequent to granting transmission capabilities to the first endpoint, audio data can be provided from the first endpoint to at least one endpoint of the plurality of endpoints in the conferencing session.

21: 2020/05391. 22: 2020/08/28. 43: 2023/10/05
51: B01D
71: LANZATECH, INC.
72: MIHALCEA, CHRISTOPHE, CONRADO, ROBERT, BOURDAKOS, NICHOLAS, LI, XUELIANG, SIMPSON, SEAN
33: US 31: 62/629,163 32: 2018-02-12
54: A PROCESS FOR IMPROVING CARBON CONVERSION EFFICIENCY
00: -
The invention provides for the integration of a CO-consuming process, such as a gas fermentation process, with a CO2 electrolysis process. The invention is capable of utilizing a CO2-comprising gaseous substrate generated by an industrial process and provides for one or more removal modules to remove at least one constituent from a CO2-comprising gaseous substrate prior to passage of the gaseous substrate to a CO2 electrolysis module. The invention may further comprise one or more pressure modules, one or more CO2 concentration modules, one or more O2 separation modules, and/or an H2 electrolysis module. Carbon conversion efficiency is increased by recycling CO2 produced by a CO-consuming process to the CO2 electrolysis process.



21: 2020/05392. 22: 2020/08/28. 43: 2023/10/05
51: C10K; C12P
71: LANZATECH, INC.
72: ROSIN, RICHARD, GREENE, JASON, SCHULZ, TAYLOR
33: US 31: 62/656,813 32: 2018-04-12
33: US 31: 62/629,160 32: 2018-02-12
54: INTEGRATED PROCESS FOR FILTERING CONSTITUENTS FROM A GAS STREAM
00: -
The invention provides a process for producing a fermentable gas stream from a gas source that contains one or more constituent which may be harmful to the fermentation process. To produce the fermentable gas stream, the gas stream is passed through a specifically ordered series of removal modules. The removal modules remove and/or convert various constituents found in the gas stream which may have harmful effects on downstream removal modules and/or inhibitory effects on downstream gas fermenting microorganisms. At least a portion of the fermentable gas stream is preferably capable of being passed to a bioreactor, which contains gas fermenting microorganisms, without inhibiting the fermentation process.



21: 2020/06219. 22: 2020/10/07. 43: 2023/10/13
51: B01D; C01B; F23J
71: KARBON CCS LTD, KNUT ERIK BØRSETH, HENRIK FLEISCHER
72: KNUT ERIK BØRSETH, HENRIK FLEISCHER
54: CARBON CAPTURE SYSTEM COMPRISING A GAS TURBINE
00: -
A method and a plant for capturing CO2 from an incoming flue gas. The flue gas can be exhaust gas from coal and gas fired power plants, cement factories or refineries. The incoming exhaust gas is cooled, mixed with air and compressed, and thereafter introduced into a combustion chamber together with gas and/or liquid fuel. Part of the combustion is achieved by separate burners with cooling/combustion air feed with a volume equal to the volume of CO2 captured. Said burners will elevate the temperature in the combustion chamber allowing combustion of exhaust gas with low oxygen content. CO2 is captured at high partial pressure before expansion by the gas turbine to produce power and generate steam in the heat recovery unit. The gas turbine will operate with high efficiency close to design parameters with respect to inlet temperature, pressure and flow

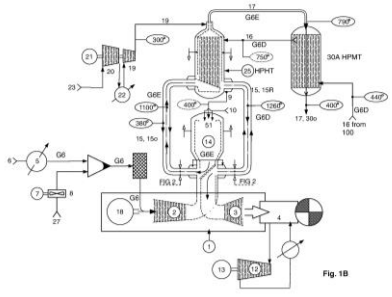


Fig. 1B. First part of flow diagram with temperatures of the flue gas. A filter upstream of compressor (2) is a standard unit for the turbine (1). A mixing unit is arranged upstream the Filter. Feed to the mixing unit: Flue Gas (6) and supplementary Air (27) controlled by the Fan (8) driven by the Electric Motor (7). Main challenge: design of the High Temperature Heat Exchanger (25) with an inlet temperature of 1100 dgC.

21: 2020/06446. 22: 2020/10/16. 43: 2023/09/27
51: C10G; F25J
71: LINDE GMBH
72: PHAM DUC, Tuat, KURZ, Benedikt
33: EP 31: 18166169.5 32: 2018-04-06
54: PROCESS AND A PLANT FOR SEPARATING A HYDROCARBON MIXTURE
00: -
In a deethanization, at least a portion of a component mixture is subjected to a first partial condensation by cooling from a first temperature level to a second temperature level at a first pressure level and to a second partial condensation by cooling from the second temperature level to a third temperature level at the first pressure level. Liquid fractions formed in the partial condensations are at least in part subjected to a rectification after expansion to a second pressure level. An overhead gas formed during the rectification is cooled and partially condensed, wherein a condensed portion of the overhead gas is used partially or completely as a reflux in the rectification by being returned to the rectification column used for rectification without the use of a reflux pump and/or an external reflux vessel.

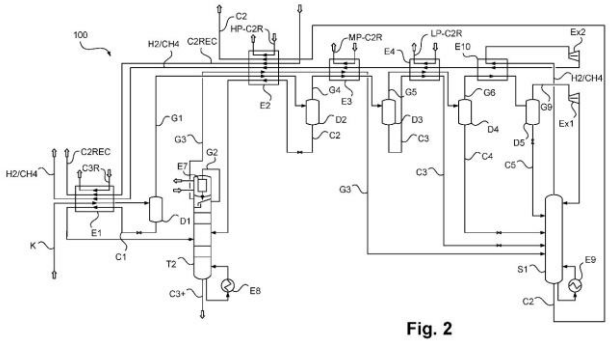
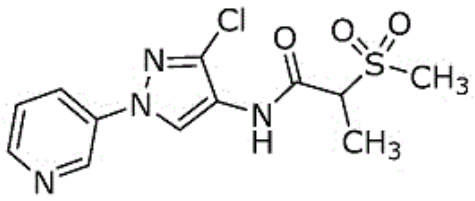


Fig. 2

21: 2020/06547. 22: 2020/10/21. 43: 2023/10/10
51: A01N; C07D
71: CORTEVA AGRISCIENCE LLC
72: ZHANG, YU, TRULLINGER, TONY K, KLITTICH, CARLA J.R, HUNTER, RICKY
33: US 31: 62/682,248 32: 2018-06-08
54: MOLECULE HAVING PESTICIDAL UTILITY, AND COMPOSITIONS, AND PROCESSES, RELATED THERETO
00: -
This disclosure relates to the field of molecules having pesticidal utility against pests in Phyla Arthropoda, Mollusca, and Nematoda, processes to produce such molecules, pesticidal compositions containing such molecules, and processes of using such pesticidal compositions against such pests. These pesticidal compositions may be used, for

example, as acaricides, insecticides, miticides, molluscicides, and nematicides. This document discloses a molecule having the following formula.



Formula One also known as F1

21: 2020/06776. 22: 2020/10/29. 43: 2023/10/13
51: F24S
71: UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG
72: MOHAMAD, KHALED, FERRER, PHILLIPE
33: ZA 31: 2018/02827 32: 2018-04-30
54: THERMAL RADIATION LOSS REDUCTION IN A PARABOLIC TROUGH RECEIVER BY THE APPLICATION OF A CAVITY MIRROR AND A HOT MIRROR COATING
00: -
This invention concerns a receiver unit (10) for a parabolic trough solar plant. The receiver unit (10) has a conduit (12) for conveying a heat transfer fluid (14) and a cover (16), which is located about the conduit (12) such that a vacuum is formed between the conduit and the cover. The conduit (12) is designed to absorb thermal radiation. The cover (16) has a first portion (26) defining a window (22) through which incoming solar radiation (24) passes into the vacuum and onto the conduit (12) and a second portion (28) carrying a reflective surface (20) so as to reflect thermal radiation back onto the conduit (12). The invention also concerns a method of reducing thermal radiation loss from a parabolic trough receiver.

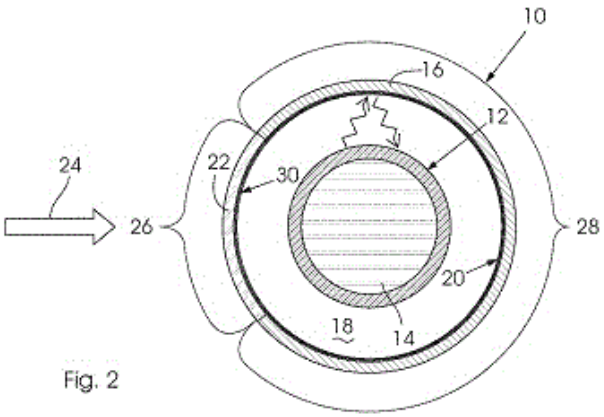


Fig. 2

21: 2020/07108. 22: 2020/11/13. 43: 2023/10/10
51: A61B; A61F
71: UMAR, SANUSI
72: UMAR, SANUSI
33: US 31: 62/658,720 32: 2018-04-17
54: FRUSTOCONICAL HAIR PUNCH
00: -
A punch is adapted to remove hair follicles. The punch includes a generally tubular body formed about a generally central axis and extending from a generally tubular body proximal end to a generally tubular body distal end. A generally frustoconical portion further includes a generally frustoconical portion proximal end and a generally frustoconical portion distal end. The generally frustoconical portion is formed about the generally central axis. The generally frustoconical portion distal end is joined to the generally tubular body proximal end. A cutting edge is connected to the generally frustoconical portion. Inserting the cutting edge into skin creates a wound to remove the hair follicles.

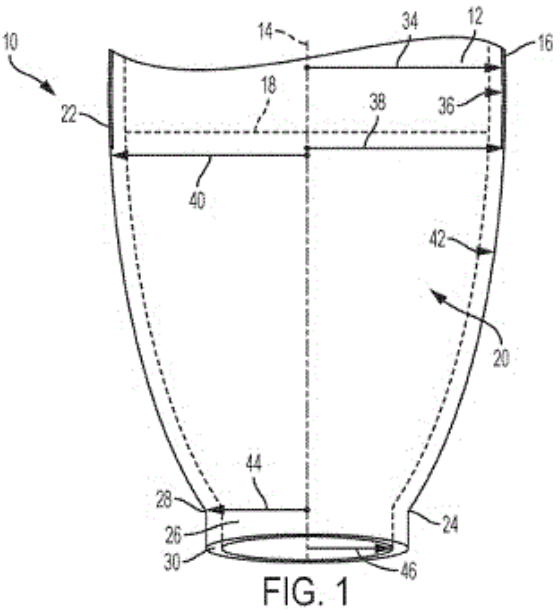
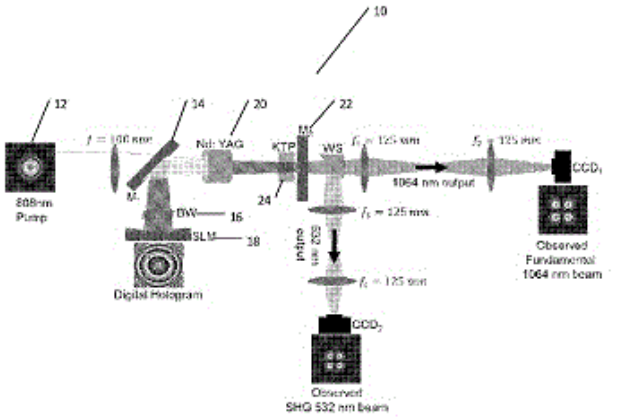


FIG. 1

21: 2020/07623. 22: 2020/12/07. 43: 2023/10/13
51: H01S
71: CSIR
72: BELL, LEBOHANG TEBOHO, NGCOBO, SANDILE
33: ZA 31: 2018/03687 32: 2018-06-04
54: A LASER FOR REAL-TIME GENERATION OF HIGH-ORDER FREQUENCY-DOUBLED (SECOND-HARMONIC) LASER MODES WITH POLARISATION CONTROL
00: -
A frequency double or mixing laser includes a laser pump, a rear optical element, a Brewster window, a laser generator medium, an output coupler and a nonlinear crystal located inside the resonator cavity. The nonlinear crystal may be located inside the resonator cavity before the output coupler. The laser may further include at least one optical element that controls the phase or/and the amplitude of the fundamental laser beam to a high-order.



21: 2021/00191. 22: 2021/01/12. 43: 2023/11/06
51: H04W
71: EXFO SOLUTIONS SAS
72: BOUSSAC, Thierry, CRUCEANU, Richard
33: US 31: 62/963,324 32: 2020-01-20
33: US 31: 62/975,414 32: 2020-02-12
54: METHOD AND DEVICE FOR ESTIMATING A NUMBER OF DISTINCT SUBSCRIBERS OF A TELECOMMUNICATION NETWORK IMPACTED BY NETWORK ISSUES
00: -
A method and device for estimating a number of distinct subscribers of a telecommunication network impacted by network issues include, for a plurality of N successive counting periods preceding a current time, steps of determining, for each counting period, an estimate of a number of different subscribers impacted by at least one network issue by implementing a probabilistic counter structure, and storing at least one elementary counter in association to said counting period, aggregating the elementary counters in a multi-level final counter structure, wherein each level of the final counter structure has an associated probabilistic counter structure, the aggregation comprising, for each elementary counter: computing, for at least one level of the multi-level final counter structure, an intersection between said elementary counter and the probabilistic counter structure associated to said level of the multi-level final counter structure, and updating the multi-level final counter structure based on the intersection computed.

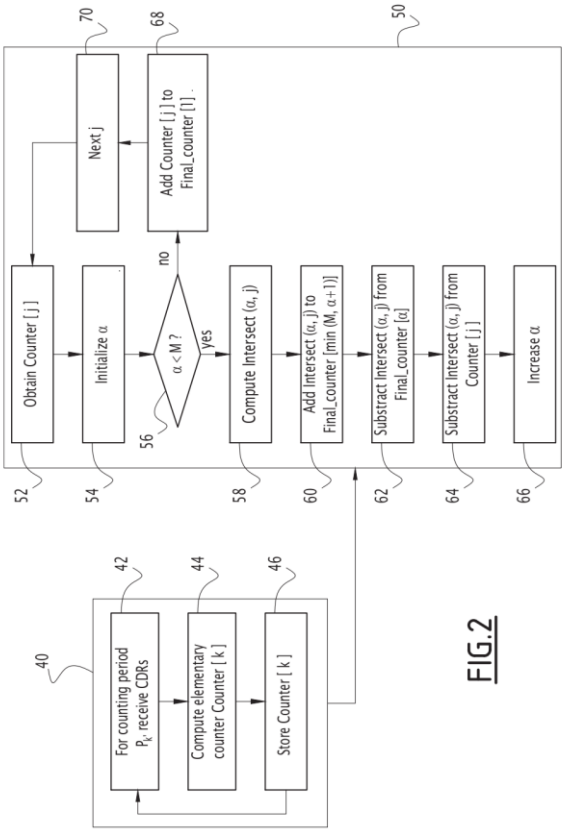
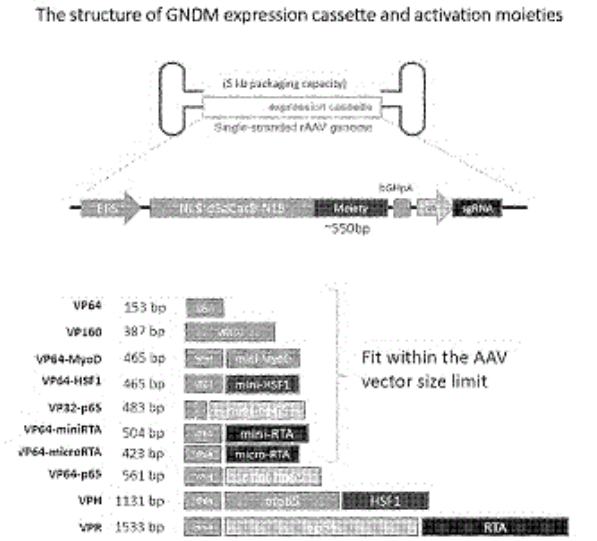


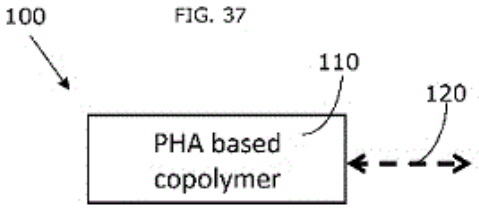
FIG.2

21: 2021/00991. 22: 2021/02/12. 43: 2023/10/18
51: C12N; C07K
71: MODALIS THERAPEUTICS CORPORATION
72: YAMAGATA, TETSUYA, QIN, YUANBO
33: US 31: 62/715,432 32: 2018-08-07
54: NOVEL TRANSCRIPTION ACTIVATOR
00: -
The present invention provides a transcription activator consisting of not more than 200 amino acid sequences and containing VP64 and a transcription activation site of RTA. The present invention also provides a complex of a nucleic acid sequence-recognizing module specifically binding to a target nucleotide sequence in a double-stranded DNA and the transcription activator.

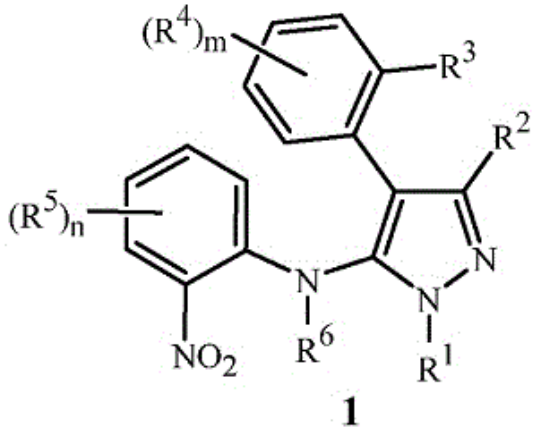
[Fig. 1]



21: 2021/01251. 22: 2021/02/24. 43: 2023/10/18
51: G01L; H01L
71: UNIVERSITY OF DELAWARE
72: RABOLT, JOHN F, GONG, LIANG, CHASE, D. BRUCE, NODA, ISAO, SOBIESKI, BRIAN
33: US 31: 62/734,360 32: 2018-09-21
54: PIEZOELECTRIC SENSORS COMPRISING ELECTROSPUN POLY [(R)-3-HYDROXYBUTYRATE-CO-(R)-3-HYDROXYHEXANOATE] (PHBHX) NANOFIBERS
00: -
Disclosed herein is a device comprising a PHA based copolymer layer comprising at least one of an electrospun ribbon of fibers of a polyhydroxyalkanoate based copolymer or the polarized polymeric composition obtained by the process of claim 1, wherein the layer is configured to exhibit one or more of a piezoelectric effect, a pyroelectric effect and a ferroelectric effect, wherein each of the electrospun ribbon of fibers and the polarized polymeric composition comprises a β-form of the PHA based copolymer present in an amount of from about 10% to about 99%, as measured by x-ray diffraction. The device can be configured for use as a sensor, an actuator, a nanomotor, or a biobattery.

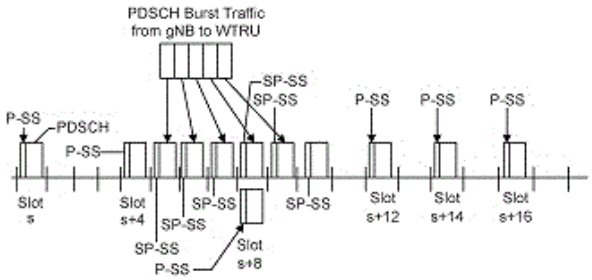


21: 2021/01373. 22: 2021/02/26. 43: 2023/10/04
51: C07D; A01N
71: FMC CORPORATION
72: CHITTABOINA, SRINIVAS, LONG, JEFFREY KEITH, MCMAHON, TRAVIS CHANDLER
33: US 31: 62/727,727 32: 2018-09-06
54: FUNGICIDAL NITROANILINO SUBSTITUTED PYRAZOLES
00: -
Disclosed are compounds of Formula 1, including all geometric and stereoisomers, tautomers, N oxides, and salts thereof, wherein R1, R2, R3, R4, R5, R6, m and n are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula 1 and methods for controlling plant disease caused by a fungal pathogen comprising applying an effective amount of a compound or a composition of the invention



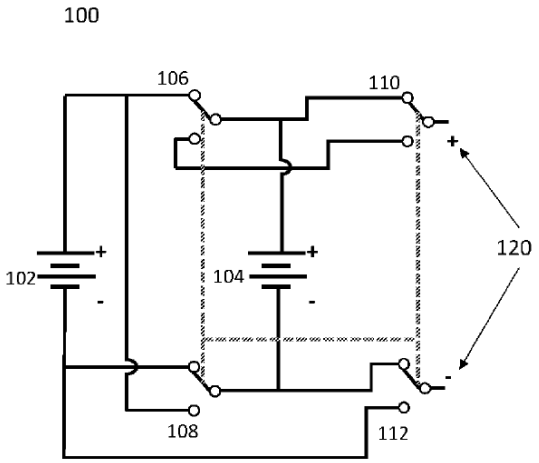
1

21: 2021/01984. 22: 2021/03/24. 43: 2023/10/18
51: H04L
71: INTERDIGITAL PATENT HOLDINGS, INC.
72: LEE, MOON-IL, BALA, ERDEM, HAGHIGHAT, AFSHIN, STERN-BERKOWITZ, JANET A
33: US 31: 62/736,874 32: 2018-09-26
54: METHOD AND APPARATUS FOR BURST TRANSMISSION
00: -
Methods and apparatus for burst transmission are provided. A wireless transmit/receive unit (WTRU) is configured to receive configuration information for a periodic search space (P-SS) and a semi-persistent search space (SP-SS). The configuration information may include a monitoring periodicity of the P-SS and a monitoring periodicity of the SP-SS. The P-SS may be associated with the SP-SS. The WTRU is configured to monitor the P-SS with the periodicity of the P-SS. The WTRU is configured to receive a first message in a first physical downlink control channel (PDCCH) in a slot of the P-SS. The first message may indicate an activation of the associated SP-SS. The WTRU is configured to monitor the SP-SS using the periodicity of the SP-SS. The WTRU is configured to receive a second message in a second PDCCH in a slot of the SP-SS.



21: 2021/02079. 22: 2021/03/26. 43: 2023/09/27
51: B60K; B60L; F03D
71: Kannappan, Karuppan CHETTIAR, Veshant CHETTIAR
72: Kannappan, Karuppan CHETTIAR, Veshant CHETTIAR
33: US 31: 62/740,546 32: 2018-10-03
33: US 31: 16/574,218 32: 2019-09-18
54: ENERGY STORAGE SYSTEM AND METHOD TO IMPROVE BATTERY PERFORMANCE
00: -
A battery system and method may be shown and described. Two or more batteries may be connected in an identical configuration to an output device. The batteries may be controlled by a control unit or logic chip which may be configured to operate in two phases. In the first phase, the two or more batteries may be connected in series. In the second phase, the two or more batteries may be connected in parallel. Switches may be connected to the positive and negative terminals of the batteries to switch the configuration from series to parallel, and vice-versa.

A control unit may switch between the two phases at any desirable frequency to produce a desired output voltage and amperage. The switching speed between the two phases may be any number of rotations per second.



21: 2021/02260. 22: 2021/04/06. 43: 2023/11/06
51: B01D; C02F; G01N
71: BIOFOULING TECHNOLOGIES, INC.
72: MCMURRAY, Brian, SHARP, Cliff, TERMINI, Mike, RALSTON, Emily, DORMIER, Ed, CALCUTT, Lindsey, BASISTA, Joseph, STEPHENS, Abraham
33: US 31: 62/754,574 32: 2018-11-01
33: US 31: 62/817,873 32: 2019-03-13
54: DURABLE BIOFOULING PROTECTION
00: -
Disclosed are devices, methods and/or systems for use in protecting items and/or structures that are exposed to, submerged and/or partially submerged in aquatic environments from contamination and/or fouling due to the incursion and/or colonization by specific types and/or kinds of biologic organisms and/or plants, including the protection from micro- and/or macro-fouling for extended periods of time of exposure to aquatic environments.

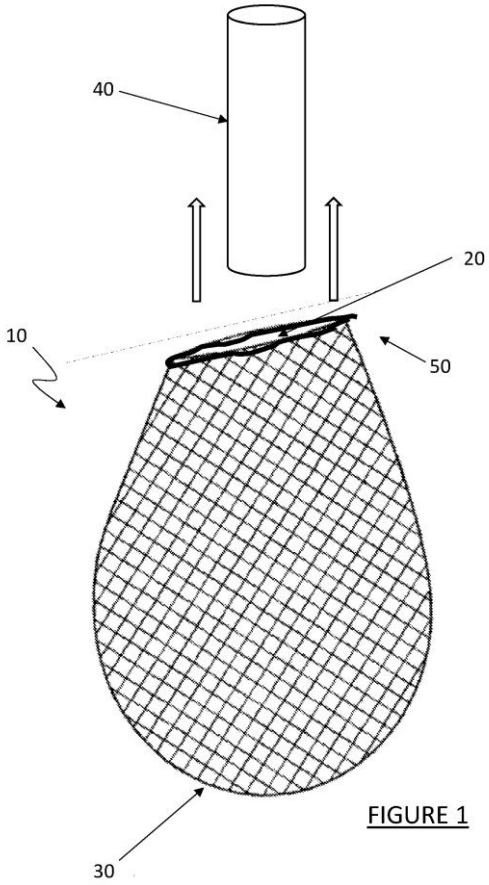


FIGURE 1

21: 2021/02319. 22: 2021/04/08. 43: 2023/10/18
51: C08L; B29C; C08G
71: DANIMER IPCO, LLC
72: JOHNSON, ADAM, MCCLANAHAN, ERIC, GRUBBS III, JOE B
33: US 31: 62/733,869 32: 2018-09-20
54: BIODEGRADABLE PROFILE EXTRUDED ARTICLES
00: -
Biodegradable articles such as tubing and food service items are disclosed. The articles are extrusion molded from a polymer resin which is made up of at least 25 weight percent of at least one biodegradable polymer, such as polyhydroxyalkanoates. Preferably the articles are formed by profile extrusion.

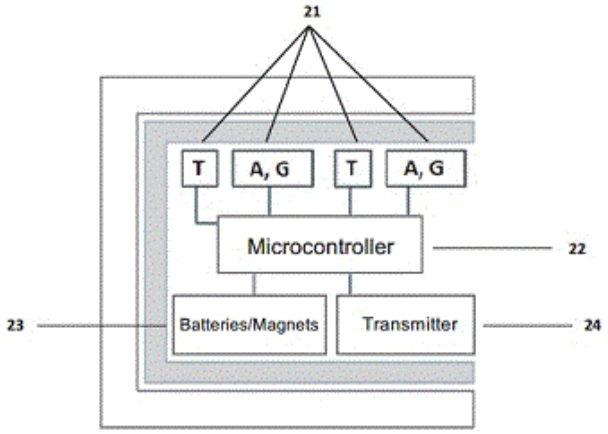
21: 2021/02617. 22: 2021/04/20. 43: 2023/10/13
51: B61L; B61F
71: VALLOUREC TUBOS DO BRASIL LTDA

72: DE FARIA ANTUNES, RONALDO, MEDEIROS FONSECA, ANTÔNIO SÉRGIO, SILVA MELO, DIEGO
33: BR 31: BR102018071610-7 32: 2018-10-19

54: SYSTEM FOR MONITORING A RAILROAD AXLE AND PERIPHERALS

00: -

The present invention refers to a system for monitoring a railroad axle and its peripherals comprising a steel axle (10), and at least one monitoring device (20) coupled to the axle and its elements (10), wherein the at least one monitoring device (20) performs measurements of data indicative of monitored conditions of the axle (10) and its peripherals, and transmits the measurements to at least one remote point.



21: 2021/02675. 22: 2021/04/21. 43: 2023/11/15
51: A24B
71: ZANOPRIMA LIFESCIENCES LIMITED
72: NARASIMHAN, Ashok S., MCCAGUE, Raymond, HYDE, Nicholas, JACKSON, William
33: EP 31: 18202355.6 32: 2018-10-24
33: EP 31: 19175946.3 32: 2019-05-22

54: COMPOSITION

00: -

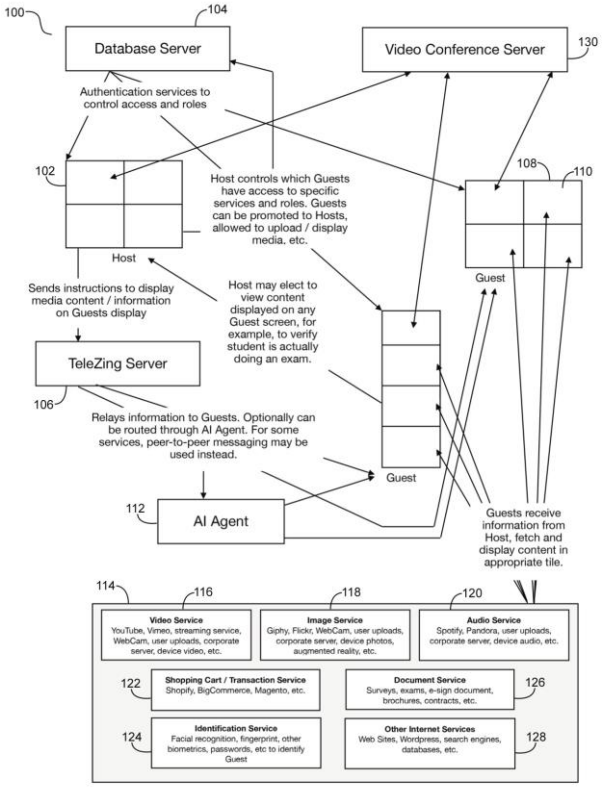
Disclosed herein is an inhalable composition, suitable for use in an electronic cigarette device, comprising at least 1 g/L of nicotine and carbon dioxide dissolved or dispersed in a solvent.

21: 2021/02804. 22: 2021/04/28. 43: 2022/06/15
51: G06F
71: Jon Frank Shaffer, GARY SMITH
72: Jon Frank Shaffer, Gary Smith
33: US 31: 63/015,990 32: 2020-04-27

54: MULTIMEDIA CONFERENCING PLATFORM AND METHOD

00: -

A multi-media video conferencing platform and method which includes a user database configured to store usernames and details; a processor configured route multiple media streams to a user location; and a compiler configured to present a multimedia template at a client workstation, the template having a plurality of tiles, where each tile corresponds to a different media type, and the compiler is configured to identify a media type of an incoming media stream or media presentation. The processor routes the incoming media to a tile having a matching media type so that the media stream or presentation displays in the tile corresponding to its media type. The template presented by the compiler has tiles corresponding to at least incoming streaming video, incoming still media, and two-way interactive video.

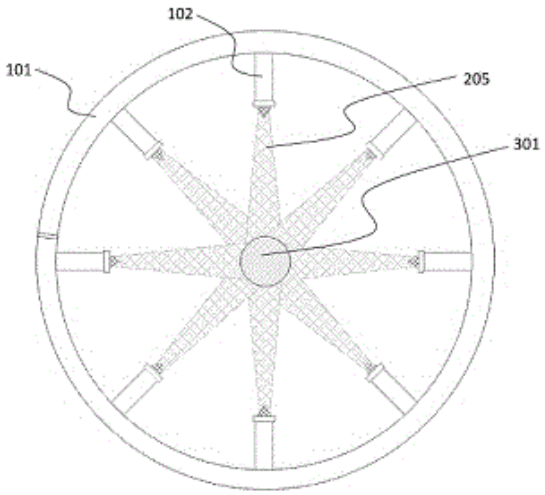


21: 2021/02843. 22: 2021/04/28. 43: 2023/10/13
51: A61L; H05H
71: PHOENIXAIRE, LLC
72: WOODBRIDGE, TERRANCE
33: US 31: 16/173,677 32: 2018-10-29

54: METHOD AND SYSTEM FOR GENERATING NON-THERMAL PLASMA

00: -

Disclosed herein are apparatuses and methods for generating non-thermal plasma which can form reactive oxygen species (ROS), such as those used to neutralize bacteria and other pathogens in the air and surrounding area. Also disclosed are apparatuses and methods for neutralizing bacteria and other pathogens using ROS generated through the use of non-thermal plasma. Also disclosed are apparatuses and methods for generating ROS. Also disclosed are apparatuses and methods for treating air and nearby surfaces. Also disclosed herein are apparatuses for generating non-thermal plasma, and which can monitor and analyze the operational characteristics of a plasma field generated by the aforementioned devices and/or the electrical consumption characteristics of the power supply being used to generate the plasma field, which analyzed characteristics can be used to trigger an alarm to indicate that the device is not functioning optimally or as otherwise expected.

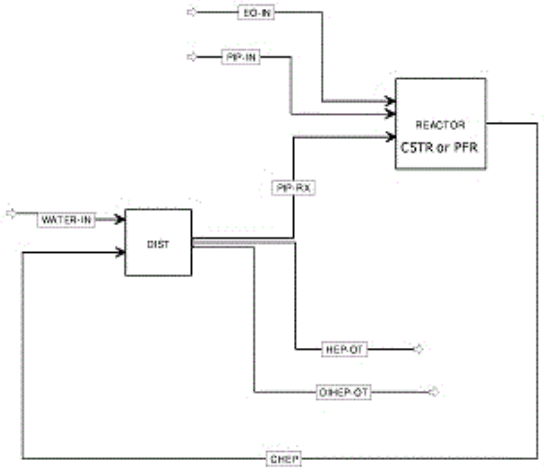


21: 2021/02897. 22: 2021/04/29. 43: 2023/10/18
51: C07D
71: DOW GLOBAL TECHNOLOGIES LLC
72: GOODMAN, AMANDA M, ZENG, JIANPING, ARCHER, BARRY, LAROCHE, CHRISTOPHE R
33: US 31: 62/752,437 32: 2018-10-30

54: PRODUCTION OF HYDROXYETHYLPIPERAZINE

00: -

Embodiments relate to a continuous process for the production of hydroxyethylpiperazine that includes feeding neat piperazine, recycled piperazine, and ethylene oxide to a reactor to form crude hydroxyethylpiperazine, in which the reactor is a continuous stirred tank reactor or a plug flow reactor. The process further includes continuously feeding the crude hydroxyethylpiperazine from the reactor to a distillation system that includes at least one distillation column, the distillation system produces at least a recycled piperazine stream and a hydroxyethylpiperazine stream, the recycled piperazine stream includes the recycled piperazine that is fed to the reactor to form the crude hydroxyethylpiperazine, and the hydroxyethylpiperazine stream includes at least 60 wt% of hydroxyethylpiperazine based on a total weight of the hydroxyethylpiperazine stream.



21: 2021/02906. 22: 2021/04/30. 43: 2023/10/18
51: A61K; C07K
71: EAGLE BIOLOGICS, INC.
72: LARSON, ALYSSA M, LOVE, KEVIN, WEIGHT, ALISHA K, CRANE, ALAN, LANGER, ROBERT S, KLIBANOV, ALEXANDER M
33: US 31: 61/876,621 32: 2013-09-11
33: US 31: 61/943,197 32: 2014-02-21
33: US 31: 61/946,436 32: 2014-02-28
33: US 31: 62/008,050 32: 2014-06-05
33: US 31: 62/030,521 32: 2014-07-29
33: US 31: 61/940,227 32: 2014-02-14
33: US 31: 62/026,497 32: 2014-07-18
33: US 31: 61/988,005 32: 2014-05-02

54: LIQUID PROTEIN FORMULATIONS CONTAINING VISCOSITY-LOWERING AGENTS

00: -
Concentrated, low- viscosity, low- volume liquid pharmaceutical formulations of proteins have been developed. Such formulations can be rapidly and conveniently administered by subcutaneous or intramuscular injection, rather than by lengthy intravenous infusion. These formulations include lowmolecular-weight and/or high-molecular-weight proteins, such as mAbs, and viscosity-lowering agents that are typically bulky polar organic compounds, such as many of the GRAS (US Food and Drug Administration List of compounds generally regarded as safe) and inactive injectable ingredients and FDA approved therapeutics.

21: 2021/03215. 22: 2021/05/12. 43: 2023/09/27
51: H01F
71: TOKAMAK ENERGY LTD
72: BRITTLES, Greg, KRUIP, Marcel, LANGTRY, Tony, SMITH, George
33: GB 31: 1816762.7 32: 2018-10-15
33: GB 31: 1900177.5 32: 2019-01-07
54: HIGH TEMPERATURE SUPERCONDUCTOR MAGNET
00: -
A High Temperature Superconductor, HTS, magnet comprising a coil formed of nested concentric windings. Each winding comprises HTS material. The HTS magnet further comprises a conductor element comprising an electrical contact surface through which to supply electric current to a portion of at least one of the windings. The surface provides electrical contact between the conductor element and an axial edge of the coil substantially around the path of the at least one of the windings.

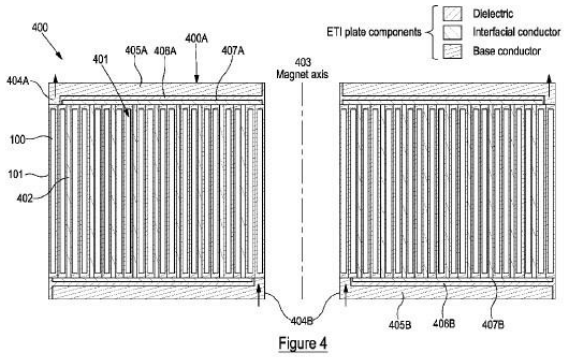
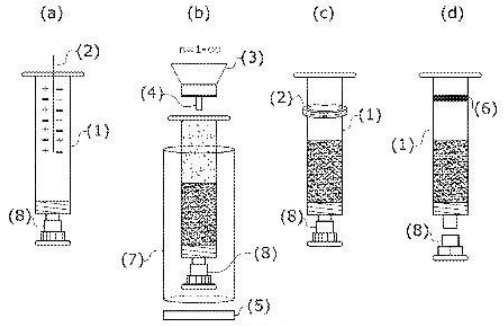


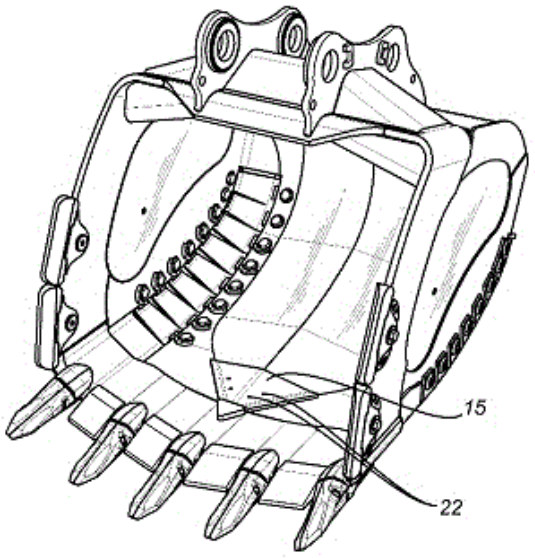
Figure 4

21: 2021/03241. 22: 2021/05/13. 43: 2023/11/28
51: B65B
71: LABORATORIOS FARMACÉUTICOS ROVI, S.A.
72: GUTIERRO ADURIZ, Ibón, GARCÍA AMO, María, CEBADERA MIRANDA, Elena
33: ES 31: P201831060 32: 2018-11-02
54: PROCEDURE FOR THE FILLING OF SOLIDS IN PHARMACEUTICAL CONTAINERS AND THE SEALING THEREOF UNDER STERILE CONDITIONS
00: -
A sterile procedure for the filling of solids in pharmaceutical containers and the sealing thereof under sterile conditions; among these being syringes, vials, capsules, ampoules, single-dose devices or cartridges filled with solid substances selected from the group formed by powder, granules, pellets, nanoparticles or microparticles, obtaining the airtightness of said containers. More specifically, the procedure achieves the avoidance of the adherence of the aforementioned substances to the sides of the pharmaceutical containers, thus ensuring the airtightness of the seal of the container and likewise the exactitude of the weight of solid dispensed into the container.



21: 2021/03360. 22: 2021/05/18. 43: 2023/10/18
51: E02F; B62D
71: SSAB TECHNOLOGY AB
72: COULSON, BRIAN
33: EP 31: 18211071.8 32: 2018-12-07
54: A BUCKET FOR AN EARTH-WORKING OR MATERIALS-HANDLING MACHINE
00: -
The present disclosure regards a bucket (1) for an earth-working or materials-handling machine, comprising,a top portion (2), a first (5) and a second (6) bucket side wall,a bucket floor (7) extending from a front cutting edge (8) up to the top portion (2), wherein the front cutting edge (8), the first and second side walls (5, 6) and the top portion (2) form

a bucket opening (9), seen from a front view of the bucket (1), the bucket floor (7) has an inside facing towards the bucket opening (9) and an outside facing away from the bucket opening (9), characterized in that the bucket floor (7) comprises at least one floor section (11) being attached to the bucket floor (7), optionally by at least one weld interface between the at least one floor section (11) and the bucket floor (7) provided in the proximity of the front cutting edge (8); and at least one protection element (15) for protecting at least a part of the floor section (11), and/or at least a part of the optional at least one weld interface, which at least one protection element (15) is mounted on the inside of the bucket floor (7) in the proximity of the front cutting edge (8).



21: 2021/03717. 22: 2021/05/31. 43: 2023/10/18
51: C07K; A61P; A61K; C12N
71: SHANDONG NEW TIME PHARMACEUTICAL CO., LTD.
72: LI, QIANG, JIA, SHIXIANG, ZHAO, LILI, ZHANG, GUIMIN, LIU, ZHONG, MA, XINLU, YAN, YUAN, LI, ZHENYU, HU, XINGXIA, ZHANG, YUHUA, LI, BIN
33: CN 31: 201811294887.4 32: 2018-11-01
54: BISPECIFIC ANTIBODY AND USE THEREOF
00: -
A bispecific antibody, which specifically binds the surface antigen CD3 of immune cells and the BCMA antigen on the surface of tumor cells and which may bind to human CD3 with high affinity, induce T cell proliferation, and mediate tumor cell killing effects. The bispecific antibody may be used to mediate the T cell-specific killing of target cells in in vitro tests. The method for constructing a bispecific antibody is simple, and avoids the possibility of mismatching between two sets of light chains and heavy chains of a heterologous bispecific antibody, thus the difficulty of antibody purification is reduced, the affinity of the obtained antibody is high, the side effects of induced cytokines are few, and safety is high.

21: 2021/03721. 22: 2021/05/31. 43: 2023/10/03
51: A01N; A01P
71: UPL Limited
72: HELLER, Jean-Jacques, POLLET, Jean-Philippe, REYER, William, SHROFF, Jaidev Rajnikant, SHROFF, Vikram Rajnikant
54: HERBICIDE
00: -
The invention relates to the selective control of weeds in crops such as cereal crops, and specifically to the use of a herbicide composition at a locus for growing a cereal crop in order to selectively control a weed at that locus. The herbicide composition used in the invention is as defined herein.

21: 2021/03913. 22: 2021/06/07. 43: 2023/11/16
51: A62C; F16B
71: VICTAULIC COMPANY
72: ROBERTS, Clancy P.
33: US 31: 62/780,483 32: 2018-12-17
54: REVERSIBLE BRACKET
00: -
A bracket defines a channel having narrow and wide channel portions. The narrow channel portion is sized to receive a cross member and prevent rotation of the bracket about the cross member. The wide channel portion is sized to receive the cross member and permit rotation of the bracket about the cross member.

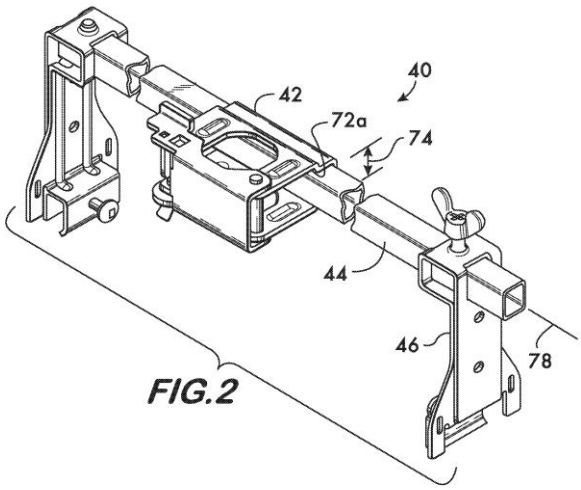
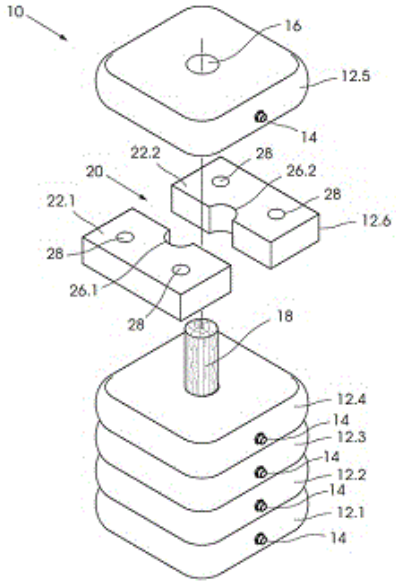


FIG.2

21: 2021/03920. 22: 2021/06/08. 43: 2023/10/19
51: E21D
71: SPIROTECH MINING SERVICES (PTY) LTD.
72: O'HAUGHEY, DEANE CONOR
33: ZA 31: 2020/01463 32: 2020-03-09
54: YIELDING MINE SUPPORT PACK
00: -
This invention concerns a mine support pack. The pack includes a number of layers at least some of which include a construction element that is, in use, filled with a curable filling medium. At least one of the layers is an induced weakened layer defining a zone of higher energy absorption capacity compared to the other non-weakened layers. In use, under compressive load the at least one induced weakened layer will absorb energy by means of induced failure such that the weakened layer fails before the remaining non-weakened layers. The induced weakened layer preferably has deformation zone such that it allows for localised failure within the deformation zone before failure of the remaining layers.



21: 2021/03931. 22: 2021/06/08. 43: 2023/10/19
51: B01J; B01D
71: ARKEMA FRANCE
72: ORTIZ, GUILLAUME, LUTZ, CÉCILE, PERSILLON, QUITTERIE, SZENDROVICS, SYLVIE
33: FR 31: 1873871 32: 2018-12-21
54: ZEOLITE AGGLOMERATE MATERIAL, METHOD OF PRODUCTION, AND USE FOR THE NON-CRYOGENIC SEPARATION OF GAS
00: -
The invention relates to new zeolite adsorbent materials, in particular specific zeolite adsorbent materials suitable for the non-cryogenic separation of gases, and more particularly for the separation of nitrogen by adsorption in gas flows such as air and the purification of hydrogen by adsorption of carbon monoxide (CO) and/or nitrogen (N2), and to the use of same, in particular, for producing medical oxygen in respiratory assistance oxygen concentrators.

21: 2021/03937. 22: 2021/06/08. 43: 2023/10/19
51: E02D
71: SOLETANCHE FREYSSINET
72: BENNANI BRAOULI, YASSINE, FREITAG, NICOLAS
33: FR 31: 18 60405 32: 2018-11-09
54: DEVICE FOR CONTAINING GRANULAR ELEMENTS
00: -
Disclosed is a device for containing granular elements, comprising a metal mesh panel having metal wires welded together, the panel presenting at least one curvature of a first orientation and at least

one curvature of a second orientation, the first orientation being characterized by a first axis and the second orientation being characterized by a second axis, the first axis and the second axis being non-collinear.

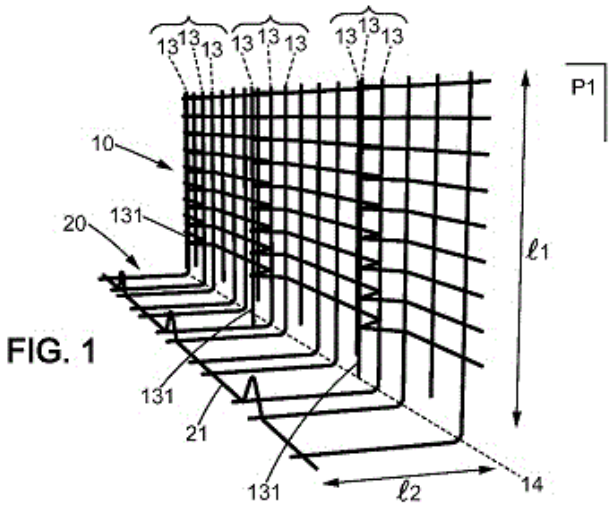


FIG. 1

21: 2021/04048. 22: 2021/06/11. 43: 2023/10/24
51: A61P; C07K
71: Shanghai Junshi Biosciences Co., Ltd., Suzhou Junmeng Biosciences Co., Ltd.
72: YAO, Jian, MENG, Dan, FENG, Hui, YAO, Sheng, WU, Hai
33: CN 31: 201811515045.7 32: 2018-12-12

54: ANTI-IL-17A ANTIBODY AND USE THEREOF

00: -

An antibody or a functional fragment thereof that specifically binds to IL-17A with high affinity. A nucleic acid molecule encoding said antibody or functional fragment thereof, an expression vector and a host cell for expressing the antibody or the functional fragment thereof, and a method for producing the antibody or the functional fragment thereof. A pharmaceutical composition comprising the antibody or the functional fragment thereof and a method for treating immune dysfunction using the antibody or the functional fragment thereof.

21: 2021/04151. 22: 2021/06/17. 43: 2023/10/19
51: B29C; B29K; B29L
71: SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA
72: LAICO, DONATO, NIGRO, SIMONE
33: IT 31: 102018000011107 32: 2018-12-14

54: DEVICE FOR OPTICAL INSPECTION OF PARISONS

00: -

A device (1) for optical inspection of parisons (2) comprises: an illuminator (3) configured to emit a beam of light directed at a parison (2) located at an inspection position (10); a detector (4) configured to capture an image (10) of the parison (2) interposed between the illuminator (3) and the detector (4), where the illuminator (3) includes an emission-polarizing filter (32) configured to generate a polarized light beam, and where the detector (4) includes a receiving polarizing filter (41) configured to receive the polarized light beam.

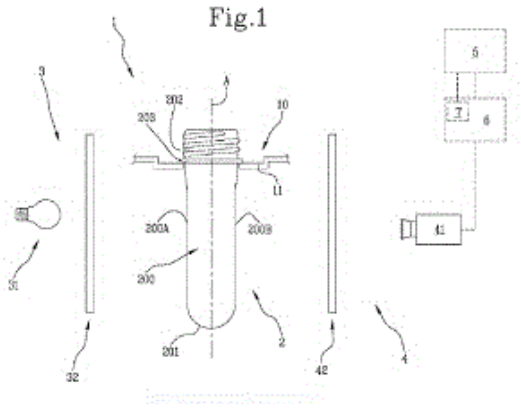


Fig.1

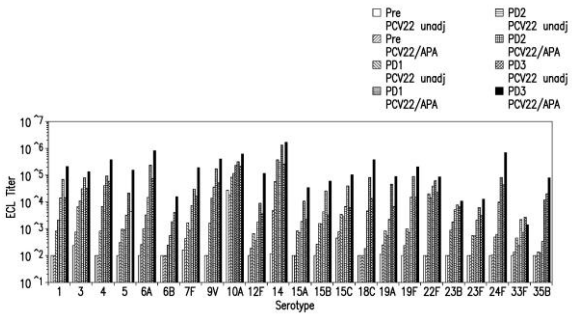
21: 2021/04162. 22: 2021/06/17. 43: 2023/10/27
51: A61K; A61P
71: Merck Sharp & Dohme LLC
72: ABEYGUNAWARDANA, Chitrananda, CUI, Yadong Adam, FERRERO, Romulo, HE, Jian, MUSEY, Luwy, PETIGARA, Tanaz, SKINNER, Julie M.
33: US 31: 62/781,835 32: 2018-12-19

54: COMPOSITIONS COMPRISING STREPTOCOCCUS PNEUMONIAE POLYSACCHARIDE-PROTEIN CONJUGATES AND METHODS OF USE THEREOF

00: -

The invention is related to multivalent immunogenic compositions comprising more than one *S. pneumoniae* polysaccharide protein conjugates, wherein each of the conjugates comprises a polysaccharide from an *S. pneumoniae* serotype conjugated to a carrier protein, wherein the serotypes of *S. pneumoniae* are as defined herein. In some embodiments, at least one of the polysaccharide protein conjugates is formed by a conjugation reaction comprising an aprotic solvent.

In further embodiments, each of the polysaccharide protein conjugates is formed by a conjugation reaction comprising an aprotic solvent. Also provided are methods for inducing a protective immune response in a human patient comprising administering the multivalent immunogenic compositions of the invention to the patient. The multivalent immunogenic compositions are useful for providing protection against *S. pneumoniae* infection and/or pneumococcal diseases caused by *S. pneumoniae*. The compositions of the invention are also useful as part of treatment regimes that provide complementary protection for patients that have been vaccinated with a multivalent vaccine indicated for the prevention of pneumococcal disease.



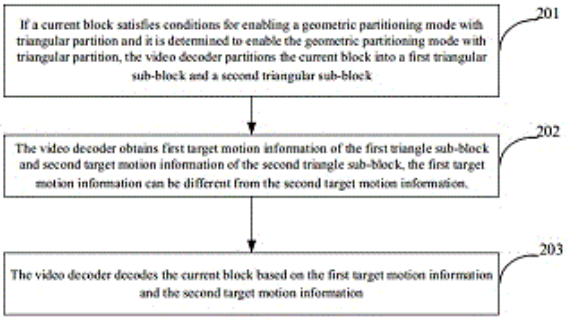
21: 2021/04213. 22: 2021/06/18. 43: 2023/10/18
51: A61K; A61P; C07K
71: Humabs BioMed SA
72: CORTI, Davide
33: US 31: 62/782,274 32: 2018-12-19
54: ANTIBODIES THAT NEUTRALIZE HEPATITIS B VIRUS AND USES THEREOF
00: -
The present disclosure relates to antibodies, and antigen binding fragments thereof, that can bind to the antigenic loop region of hepatitis B surface antigen (HBsAg) and can neutralize infection of both hepatitis B virus (HBV) and hepatitis delta virus (HDV). The present disclosure also relates to epitopes to which the antibodies and antigen binding fragments bind, as well as to fusion proteins that comprise the antigen binding fragments, and to nucleic acids that encode and cells that produce such antibodies and antibody fragments. In addition, the present disclosure relates to the use of the antibodies and antibody fragments of the present disclosure in the diagnosis, prophylaxis and treatment of hepatitis B and hepatitis D.

Genotype	EC_{50}(ng/ml)
A	2.34
B	2.22
C	0.92
D	1.10
E	1.12
F	1.93
G	1.43
H	1.93

21: 2021/04423. 22: 2021/06/25. 43: 2023/10/03
51: A61K; A61P; C07D
71: Les Laboratoires Servier
72: KONTEATIS, Zenon D., LI, Mingzong, REZNIK, Samuel K., SUI, Zhihua
33: US 31: 62/785,519 32: 2018-12-27
54: AZA-HETEROBICYCLIC INHIBITORS OF MAT2A AND METHODS OF USE FOR TREATING CANCER
00: -
The present disclosure provides for compounds according to Formula I and their pharmaceutically acceptable salts, tautomers, and/or isotopologues as described in the disclosure. The compounds are inhibitors of methionine adenosyltransferase isoform 2A (MAT2A). Also provided are pharmaceutical compositions and methods of using the compounds for treating cancers, including some cancers in which the gene encoding methylthioadenosine phosphorylase (MTAP) is deleted.

21: 2021/04449. 22: 2021/06/28. 43: 2023/10/19
51: H04N
71: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
72: CHEN, FANGDONG
33: CN 31: 201811628695.2 32: 2018-12-28
54: VIDEO ENCODING AND DECODING
00: -
Disclosed are a video encoding and decoding method and a device. The method comprises: if the current block meets the specific condition for initiating the triangle prediction mode and it is determined to initiate the triangle prediction mode, dividing the current block into a first triangular sub-block and a second triangular sub-block; obtaining the first target movement information of the first triangular sub-block and the second target movement information of the second triangular sub-block, the first target movement information being different from the second target movement information; performing encoding or decoding on the

current block according to the first target movement information and the second target movement information.



21: 2021/04509. 22: 2021/06/29. 43: 2023/10/09
51: A23G; A23L; A61K
71: NordicCan A/S
72: BRUUN, Heidi Ziegler, BOESEN, Dorte Schackinger, ERIKSEN, Ane
33: CA 31: 3,035,400 32: 2019-03-01
33: US 31: 16/289,770 32: 2019-03-01

54: TABLETED CANNABINOID CHEWING GUM WITH LAYERED STRUCTURE

00: -

The present invention relates to a tableted chewing gum composition for oral administration of cannabinoids, the composition comprising a plurality of particles, including a first population of particles comprising water-insoluble gum base and a second population of particles comprising water-soluble chewing gum ingredients, and the composition constituting at least two layers, wherein a first layer of the composition comprises water-insoluble gum base and a second layer of the composition, which is cohered to and adjacent to the first layer, comprises water- soluble chewing gum ingredients, the second layer being free of water-insoluble gum base, and wherein the composition comprises one or more cannabinoids.

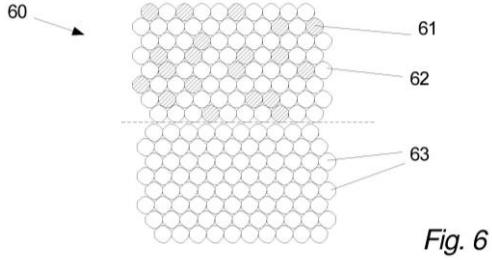


Fig. 6

21: 2021/04517. 22: 2021/06/29. 43: 2023/10/19
51: B60B
71: GACW Incorporated
72: KEMENY, Zoltan
33: US 31: 16/237,478 32: 2018-12-31

54: WHEEL ASSEMBLY INCLUDING INNER AND OUTER RIM COUPLED HYDRAULIC DAMPERS AND RELATED METHODS

00: -

A wheel assembly (430) to be coupled to a hub of a vehicle may include an inner rim (431) to be coupled to the hub of the vehicle and an outer rim (433) surrounding the hub. The wheel assembly includes gas springs (450) operatively coupled between the inner rim (431) and the outer rim (433) to provide a gas suspension for relative movement between said inner rim and said outer rim. The wheel assembly also includes hydraulic dampers (460) operatively coupled between the inner rim (431) and the outer rim (433).

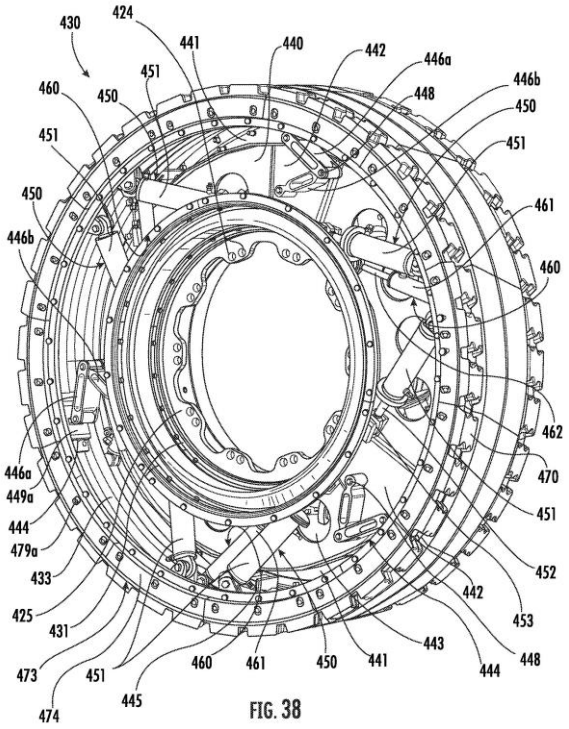


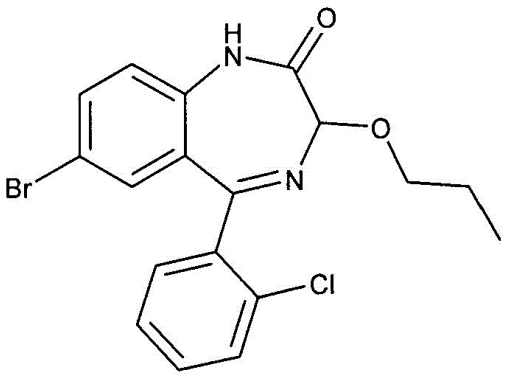
FIG. 38

21: 2021/04617. 22: 2021/07/02. 43: 2023/10/27
51: A61K; A61P; C07D
71: REDER, Anatoliy, POZIGUN, Dmytro
72: REDER, Anatoliy, POZIGUN, Dmytro
33: UA 31: a 2018 12659 32: 2018-12-20

54: PHARMACEUTICAL COMPOUND, THE METHOD OF ITS MAKING AND USE AS MEDICINAL AGENT

00: -

The invention relates to a crystalline form of the Compound (I), wherein the crystalline form displays its strongest reflection, stated as a 2T value, at 25±0.2°, in an X-ray powder diffraction pattern. The invention also relates to a method of making this crystalline form, as well as pharmaceutical compositions comprising thereof. Furthermore, the invention relates to methods of using this crystalline form as a medicament and in the treatment of pain.



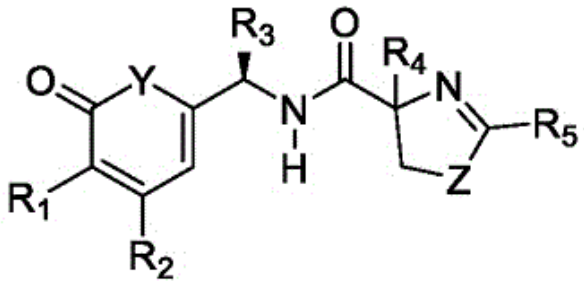
(I)

21: 2021/04675. 22: 2021/07/05. 43: 2023/10/13
51: C07D; C07H; A61K; A61P
71: PHARMA MAR, S.A.
72: MARTÍN LÓPEZ, MARÍA JESÚS, RODRÍGUEZ ACEBES, RAQUEL, CRUZ LÓPEZ, PATRICIA GEMA, FRANCESCH SOLLOSO, ANDRÉS M, CUEVAS MARCHANTE, MARIA DEL CARMEN
33: EP 31: 18382934.0 32: 2018-12-17

54: ANTICANCER COMPOUNDS

00: -

Anticancer compounds of formula (I) and derivatives thereof are provided.



(I)

21: 2021/04679. 22: 2021/07/05. 43: 2023/10/10
51: A61K; A61P
71: TAIHO PHARMACEUTICAL CO., LTD.
72: HASAKO, SHINICHI, UNO, TAKAO
33: JP 31: 2018-247131 32: 2018-12-28

54: L718 AND/OR L792 MUTANT TREATMENT-RESISTANT EGFR INHIBITOR

00: -

The present invention provides an antitumor agent for treating a malignant tumor patient expressing EGFR having at least one mutation selected from the group consisting of L718X mutation in exon 18 and L792X mutation in exon 20, wherein X represents an arbitrary amino-acid residue, the antitumor agent comprising (S)-N-(4-amino-6-methyl-5-(quinolin-3-yl)-8,9-dihydropyrimido[5,4-b]indolizin-8-yl)acrylamide (Compound (A)) or a salt thereof.

21: 2021/04742. 22: 2021/07/07. 43: 2023/10/13
51: G01S; B64F; G08G
71: ADB SAFEGATE SWEDEN AB
72: BERKMO, ANDERS, HÅKANSSON, PETER, STRANDBERG, ALEXANDER
33: EP 31: 19151380.3 32: 2019-01-11

54: AIRPORT STAND ARRANGEMENT

00: -

The disclosure relates to airport stand arrangement (100,200,300) comprising: a display (130); a radar-based system (110R); and one or more additional systems selected from laser-based systems (110L) and imaging systems (110C), wherein said radar-based system (110R) and said one or more additional systems together form a combined system (110,210,310), wherein the airport stand arrangement (100) is configured, based on output data from said combined system (110), to detect and track (S108,S110) an aircraft (10) within a stand

area (20) when said aircraft (10) is approaching a stand within the stand area (20) for parking at a parking position (160) therein, and configured, based on said detection and tracking of the approaching aircraft (10), to provide (S114,S116) pilot maneuvering guidance information on said display (130) for aiding a pilot of the approaching aircraft (10) in maneuvering the aircraft (10) towards said parking position (160).

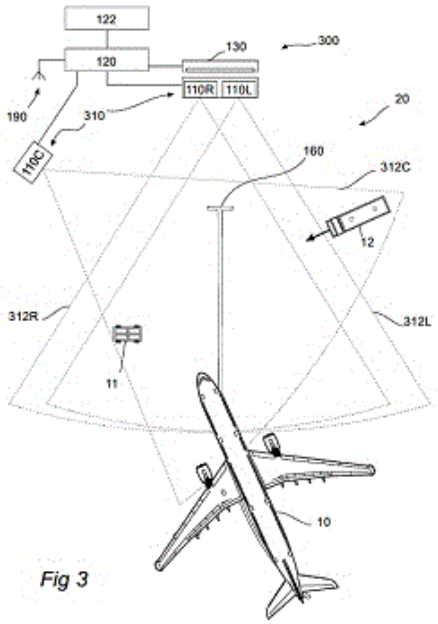
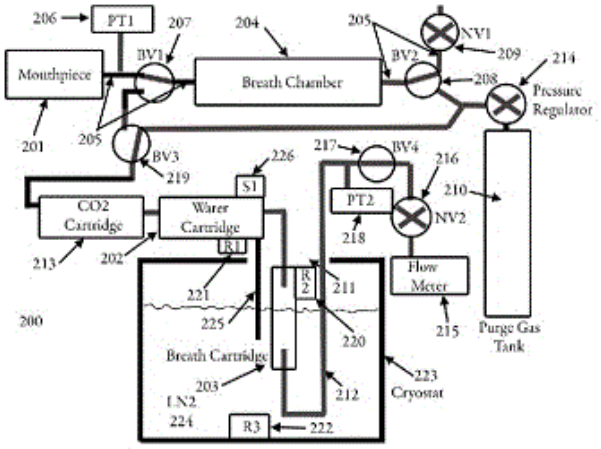
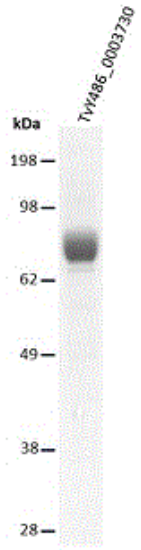


Fig 3

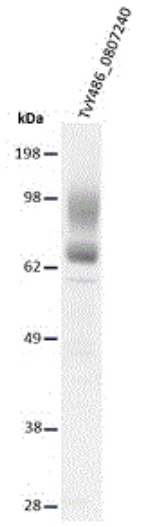
21: 2021/04745. 22: 2021/07/07. 43: 2023/10/13
51: A61B; G01N
71: DIAGNOSE EARLY, INC.
72: WHEELER, CHRIS, TODD, CHRIS, SCHUSTER, JEFFREY A, LARSSON, KARL-MAGNUS
33: US 31: 62/779,256 32: 2018-12-13
33: US 31: 62/847,181 32: 2019-05-13
54: DEVICES, METHODS, AND SYSTEMS FOR COLLECTION OF VOLATILE ORGANIC COMPOUNDS
00: -
A system comprises a mouth piece to receive exhaled air; a breath chamber to receive exhaled air; a valve to direct exhaled air along a desired flow path, direct purge gas along a desired flow path, control the rate of flow of purge gas, control the rate of flow of exhaled air, block the flow of purge gas, and/or block the flow of exhaled air; a source of purge gas; a C02 cartridge to remove C02; a water cartridge to remove water; a breath cartridge to capture VOCs from exhaled air; a temperature control system to control the temperature of C02 cartridge, a water cartridge, and/or a breath cartridge; a cryostat to contain and limit heat flow to a cryogenic liquid; a flow meter designed to measure the flow of exhaled air and/or purge gas; and a pressure transducer to measure a pressure, a flow rate, and/or a flow volume.



21: 2021/04746. 22: 2021/07/07. 43: 2023/10/13
51: A61P; A61K
71: GENOME RESEARCH LIMITED
72: WRIGHT, GAVIN, AUTHEMAN, DELPHINE
33: GB 31: 1900187.4 32: 2019-01-07
54: NOVEL TRYPANOSOMAL VACCINE
00: -
The invention relates to a trypanosomal vaccine, to pharmaceutical compositions comprising said vaccine and to their uses in vaccination to prevent trypanosomal infection in a mammal.



21: 2021/04747. 22: 2021/07/07. 43: 2023/10/13
51: A61K; C07K; A61P
71: GENOME RESEARCH LIMITED
72: WRIGHT, GAVIN, AUTHEMAN, DELPHINE
33: GB 31: 1900192.4 32: 2019-01-07
54: NOVEL TRYPANOSOMAL VACCINE
00: -
The invention relates to a trypanosomalvaccine, to pharmaceutical compositions comprising said vaccine and to their uses in vaccination to prevent trypanosomal infection in a mammal.

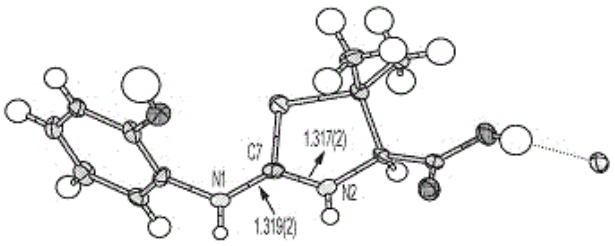


21: 2021/04786. 22: 2021/07/08. 43: 2023/10/10
51: A61K; A61P
71: AUSPEX PHARMACEUTICALS, INC.
72: SAVOLA, JUHA-MATTI, GORDON, MARK FORREST, SCHNEIDER, FRANK
33: US 31: 62/801,450 32: 2019-02-05
33: US 31: 62/779,232 32: 2018-12-13
54: DEUTETRABENAZINE FOR THE TREATMENT OF DYSKINESIA IN CEREBRAL PALSY
00: -
The disclosure is directed to methods of treating dyskinesia in cerebral palsy in human patients using deutetrabenazine and its active metabolites.

21: 2021/04915. 22: 2021/07/13. 43: 2023/10/10
51: B01J; C10G
71: JOHNSON MATTHEY PLC
72: MERCER, RICHARD JOHN
33: GB 31: 1903502.1 32: 2019-03-14
54: COBALT CATALYSTS AND PRECURSORS THEREFOR
00: -
A cobalt catalyst precursor is described comprising cobalt oxide crystallites disposed within pores of a titania support, wherein the cobalt oxide crystallites have an average size as determined by XRD in the range 6 to 18nm, and the titania support is a spherical titania support with a particle size in the range 100 to 1000 μm, wherein the catalyst precursor has a pore volume of 0.2 to 0.6 cm3 /g and an average pore diameter in the range 30 to 60 nm, and wherein the catalyst precursor has a ratio of the average cobalt oxide crystallite size to the average pore diameter in the range 0.1:1 to 0.6:1. The catalyst precursor may be reduced to provide catalysts suitable for use in Fisher-Tropsch reactions.

21: 2021/04960. 22: 2021/07/14. 43: 2023/10/13
51: A61K; A61P
71: CERSCI THERAPEUTICS, INC.
72: DAX, SCOTT
33: US 31: 62/800,232 32: 2019-02-01
54: METHODS OF TREATING PAIN WITH A THIAZOLINE ANTI-HYPERALGESIC
00: -
Methods of treating diabetic neuropathic pain and post-surgical pain are provided. The methods include administering to an individual a therapeutically effective amount of a compound of Formula I (Compound 1). The method can be used to treat diabetic neuropathy arising from any type of nerve damage, and can also be used to treat post-

surgical pain arising from any surgical procedure without the side effects associated with widely used analgesics such as opioids. Compound 1 can be formulated into many suitable dosage forms, including oral dosage forms such as tablets.



21: 2021/04980. 22: 2021/07/15. 43: 2023/11/16
51: H01M
71: ACELERON LIMITED
72: CHANDAN, Amrit, CUMMINS, Carlton
33: GB 31: 1821086.4 32: 2018-12-21
54: BATTERY PACK ASSEMBLY
00: -
A battery pack assembly, the assembly comprises a first holding frame (10A') and second holding frame (10B'), a plurality of cells (15A', 15B'... 15Z') having terminals (TA', TB'...TZ') at each end thereof, fastening means (12A', 12B'... 12Z') for reversibly holding the first and second holding frames (10A', 10B') with respect to one another in a closed condition, an electrically conductive conductor plate (11A', 11B') for providing electrical contact to at least two of said plurality of cells (15A', 15B'...15Z'), the conductor plate (11A', 11B') having respective protrusions for making contact with each of said at least two cells (15A', 15B'...15Z'), the first holding frame bearing directly against said conductor plate (11A', 1B') to cause the protrusions (17A', 17B'...17Z') of the conductor plate (11A', 11B') to make electrical contact with said at least two cells (15A', 15B'...15Z') in said closed condition.

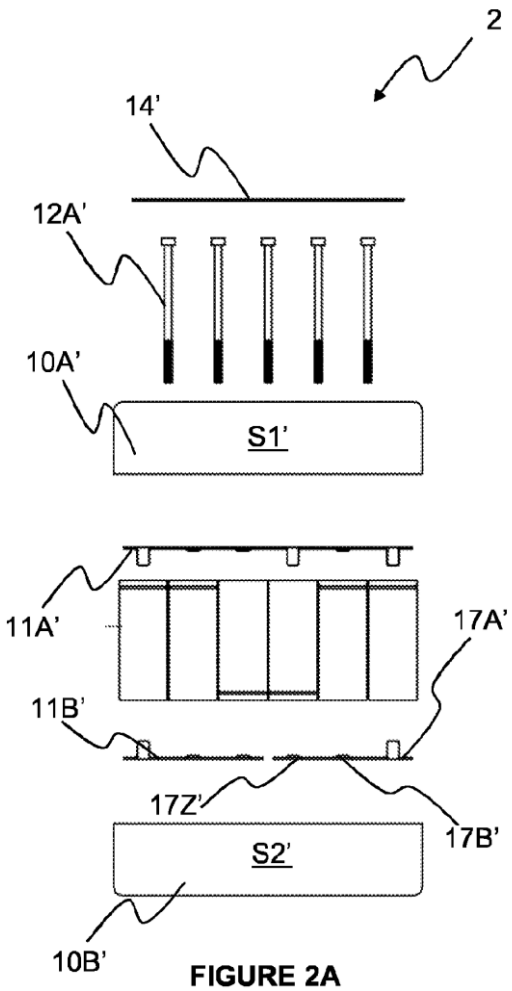
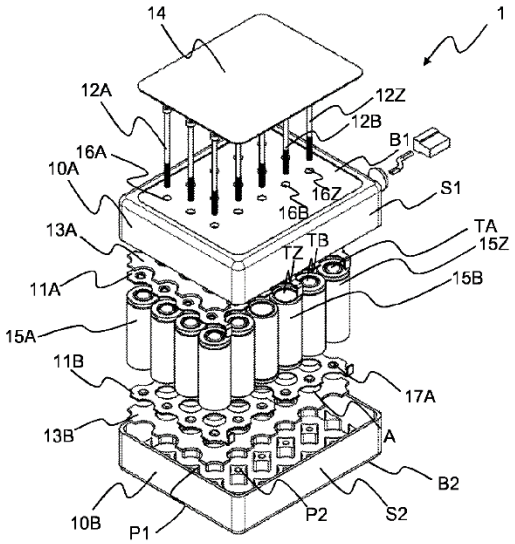


FIGURE 2A

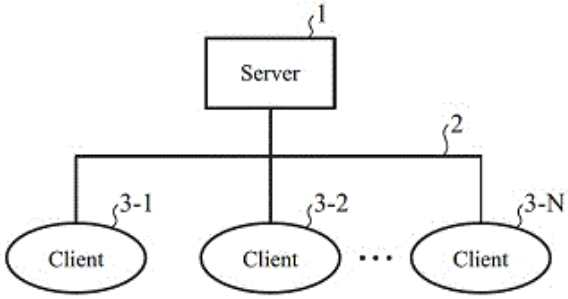
21: 2021/04981. 22: 2021/07/15. 43: 2023/11/16
51: H01M
71: ACELERON LIMITED
72: CHANDAN, Amrit, CUMMINS, Carlton
33: GB 31: 1821083.1 32: 2018-12-21
54: BATTERY PACK ASSEMBLY
00: -
A battery pack assembly (1) comprises a first holding frame (10A) and a second holding frame (10B) for holding a plurality of cells (15A, 15B... 15Z) therebetween, a conductor (11A) for engaging the plurality of cells (15A, 15B... 15Z) and having at least a first contact (17A) for engaging a first cell terminal (TA) and a second contact (17B) for engaging a second cell terminal (TB), a resilient member (13A) being located between the conductor (11A) and one of the first or second holding frame (10A, 10B) to bear against the conductor (11A) adjacent the first contact (TA) and second contact (TB).



21: 2021/05024. 22: 2021/07/16. 43: 2023/10/03
51: A01N; A01P
71: Discovery Purchaser Corporation
72: VERMEER, Arnoldus, HERTLEIN, Peter, HORSTMANN, Sebastian, GUTSMANN, Volker, ARLT, Alexander, VELTEN, Robert
33: EP(DE) 31: 18213629.1 32: 2018-12-18
54: INSECTICIDAL FORMULATION FOR VECTOR AND PEST CONTROL WITH INCREASED CONTACT EFFICACY
00: -
The present invention relates to insecticidal formulations for vector and pest control with increased contact efficacy, more particularly to insecticidal active ingredient - matrix particles and insecticidal compositions comprising such insecticidal active ingredient - matrix particles, as well as to methods and uses of such insecticidal formulations.

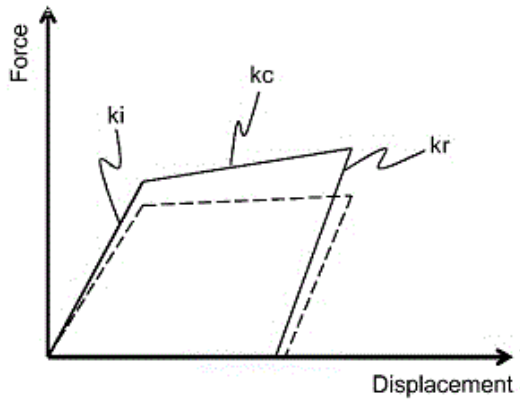
21: 2021/05026. 22: 2021/07/16. 43: 2023/10/03
51: A01N; A01P
71: Discovery Purchaser Corporation
72: VERMEER, Arnoldus, HERTLEIN, Peter, HORSTMANN, Sebastian, GUTSMANN, Volker, ARLT, Alexander, VELTEN, Robert
33: EP(DE) 31: 18213622.6 32: 2018-12-18
54: INSECTICIDAL FORMULATION FOR VECTOR AND PEST CONTROL WITH INCREASED CONTACT EFFICACY
00: -
The present invention relates to insecticidal formulations for vector and pest control with increased contact efficacy, more particularly to insecticidal active ingredient - matrix particles and insecticidal compositions comprising such insecticidal active ingredient - matrix particles, as well as to methods and uses of such insecticidal formulations.

21: 2021/05148. 22: 2021/07/21. 43: 2023/10/13
51: G06N
71: MITSUBISHI ELECTRIC CORPORATION
72: MINEZAWA, AKIRA, SUGIMOTO, KAZUO
54: DATA PROCESSING DEVICE, DATA PROCESSING SYSTEM, AND DATA PROCESSING METHOD
00: -
There are included a data processing unit (10) that trains a neural network; and an encoding unit (11) that generates encoded data in which model header information that identifies a model of the neural network, layer header information that identifies a layer of the neural network, and layer-by-layer edge weight information are encoded.

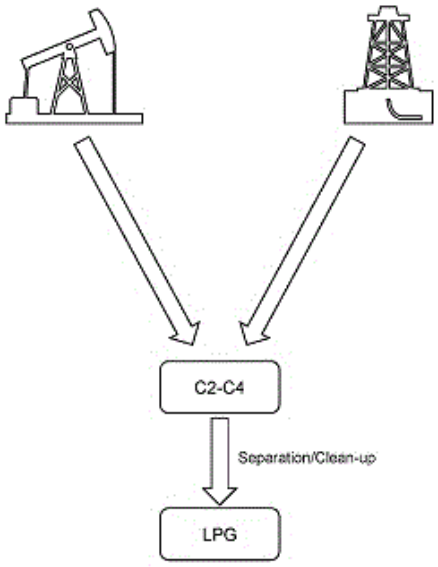


21: 2021/05199. 22: 2021/07/22. 43: 2023/10/13
51: E21B
71: EPIROC ROCK DRILLS AKTIEBOLAG
72: WEDDFELT, KENNETH, SAADATI, MAHDI, ENBLOM, SAMUEL, GÖTHBERG, MATTIAS
33: SE 31: 1950389-5 32: 2019-03-29
54: METHOD OF CONTROLLING A DRILLING PROCESS OF A PERCUSSION DRILLING MACHINE
00: -
Described is a method of controlling a drilling process of a percussion drilling machine comprising collecting data depending on feeding force and indentation depth. The method further comprises determining a percussion procedure based on the

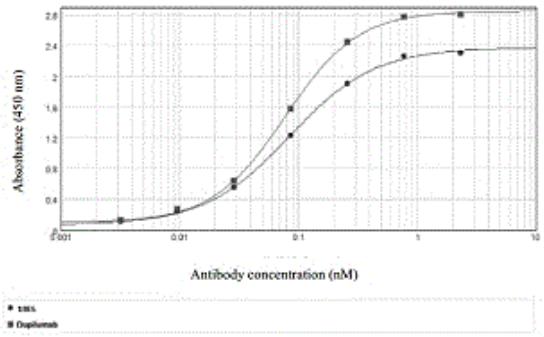
collected data, and determining a deviation between the percussion procedure (full lines) and a reference percussion procedure (dashed lines). The method further comprises adjusting one or more drilling parameters related to the drilling process based on the deviation.



21: 2021/05279. 22: 2021/07/26. 43: 2023/10/13
51: C10L; C12P
71: LANZATECH, INC.
72: KOCAL, MICHELLE, GILLESPIE, RALPH
33: US 31: 62/798,264 32: 2019-01-29
33: US 31: 62/860,369 32: 2019-06-12
33: US 31: 62/887,125 32: 2019-08-15
54: PRODUCTION OF BIO-BASED LIQUEFIED PETROLEUM GAS
00: -
The disclosure provides methods for the production of liquefied petroleum gas from sustainable feedstocks, including methods comprising conversion of alcohols produced by gas fermentation for the production of propane and/or butane.

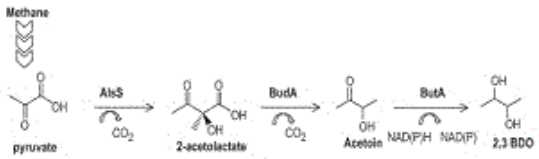


21: 2021/05285. 22: 2021/07/26. 43: 2023/10/13
51: C07K; C12N; A61K; A61P
71: AKESO BIOPHARMA, INC.
72: LI, BAIYONG, XIA, YU, WANG, ZHONGMIN, ZHANG, PENG
33: CN 31: 201811618948.8 32: 2018-12-27
54: ANTIBODY AGAINST HUMAN IL-4RA AND USE THEREOF
00: -
Provided is an antibody against human interleukin 4-receptor A, a pharmaceutical composition or a kit comprising thereof, and a use thereof.

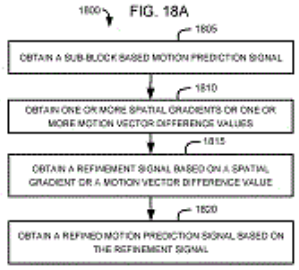


21: 2021/05423. 22: 2021/07/30. 43: 2023/10/13
51: C12N; C12P
71: PRECIGEN, INC.
72: ZHAO, XINHUA, HELD, MARK ANTON, HUYNH, TINA, CHAO, LILY YUIN, TRINH, NA, SCHAMLISCH, MATTHIAS HELMUT, YEH, BRYAN, KEALEY, JAMES, DIETZEL, KEVIN LEE
33: US 31: 62/451,819 32: 2017-01-30
33: US 31: 62/512,312 32: 2017-05-30

33: US 31: 62/504,626 32: 2017-05-11
33: US 31: 62/588,985 32: 2017-11-21
54: METHODS AND MICROORGANISMS FOR MAKING 2,3-BUTANEDIOL AND DERIVATIVES THEREOF FROM C1 CARBONS
00: -
Genetically modified microorganisms that have the ability to convert carbon substrates into chemical products such as 2,3-BDO are disclosed. For example, genetically modified methanotrophs that are capable of generating 2,3-BDO at high titers from a methane source are disclosed. Methods of making these genetically modified microorganisms and methods of using them are also disclosed.

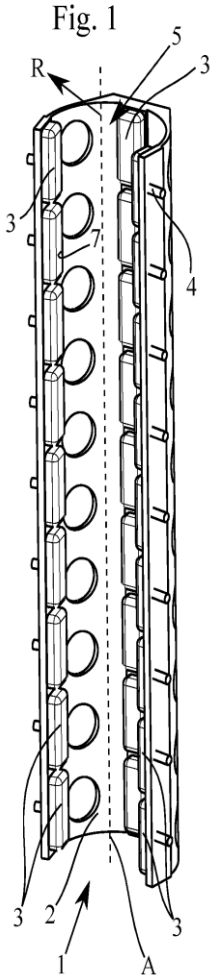


21: 2021/05444. 22: 2021/07/30. 43: 2023/10/13
51: H04N
71: VID SCALE, INC.
72: LUO, JIANCONG, HE, YUWEN
33: US 31: 62/802,428 32: 2019-02-07
33: US 31: 62/833,999 32: 2019-04-15
33: US 31: 62/814,611 32: 2019-03-06
54: SYSTEMS, APPARATUS AND METHODS FOR INTER PREDICTION REFINEMENT WITH OPTICAL FLOW
00: -
Method, apparatus and systems are disclosed. In one embodiment, a method of decoding includes obtaining a sub-block based motion prediction signal for a current block of the video; obtaining one or more spatial gradients of the sub-block based motion prediction signal or one or more motion vector difference values; obtaining a refinement signal for the current block based on the one or more obtained spatial gradients or the one or more obtained motion vector difference values; obtaining a refined motion prediction signal for the current block based on the sub-block based motion prediction signal and the refinement signal; and decoding the current block based on the refined motion prediction signal.

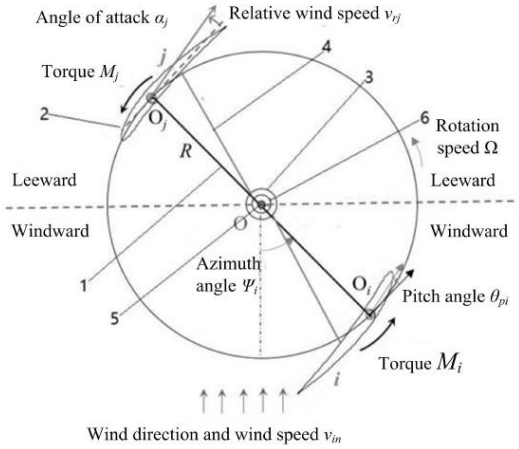


21: 2021/05518. 22: 2021/08/03. 43: 2023/11/15
51: F41A; F42B
71: KRAUSS-MAFFEI WEGMANN GMBH & CO. KG
72: SPORK, Roland, RACZEK, Matthias, CZOK, Matthias
33: DE 31: 10 2019 106 849.5 32: 2019-03-18
54: AMMUNITION BODY HOLDING DEVICE COMPRISING AN EXPANDABLE HOLDING ELEMENT
00: -
The invention relates to an ammunition body holding device (1) comprising a holder (2) for holding an ammunition body (6), in particular a projectile (6.1) and/or a propellant (6.2), wherein the holder (2) has at least one expandable holding element (3) for holding an ammunition body (6). The invention also relates to a handling device for holding and/or moving an ammunition body (6) and to a weapon system comprising at least one weapon. The invention also relates to a method for holding an ammunition body (6), in particular a projectile (6.1) and/or a propellant (6.2), using an ammunition body holding device (1) comprising a holder (2).

Fig. 1



21: 2021/05542. 22: 2021/08/06. 43: 2022/07/13
51: F03D
71: Anhui University of Science & Technology
72: LI, Liang, JING, Laiwang, WU, Jianqiang, WANG, Long, MIAO, Guanghong
54: VARIABLE PITCH CONTROL METHOD AND SYSTEM FOR ASYMMETRIC-AIRFOIL VERTICALAXIS WIND TURBINE
00: -
The present disclosure provides a variable pitch control method and system for an asymmetric-airfoil vertical axis wind turbine, which collects data by means of an anemograph, an anemoscope and an angle sensor, outputs an optimal pitch angle on the basis of a pitch angle control law, and controls a pitch angle of the wind turbine to the optimal pitch angle by means of a variable pitch execution mechanism. The present disclosure has the advantages that a wind speed in v and a blade azimuth angle are input to the control law used, besides the two variables, the control law is related to constants of a blade rotation radius R, a rotation speed Ω, an aerodynamic coefficient, etc., and the Reynolds number has small influence on the aerodynamic coefficient, so the control law is suitable for various wind condition



21: 2021/05576. 22: 2021/08/06. 43: 2023/10/18
51: A61M
71: MARKER HOLDINGS AG
72: WENTHOLD, RANDY
33: US 31: 62/791,617 32: 2019-01-11
54: PLASMA DETOXIFICATION METHODS AND SYSTEMS
00: -
Disclosed are methods, systems, and devices for removing cytokines and other substances from blood of a subject in a closed fluid circuit. The methods, systems, and devices involve: (i) passing venous blood from the subject through a plasma separator, thereby separating the blood into blood cells and plasma; (ii) passing the plasma received from the plasma separator through an adsorption chamber located in the circuit to form processed plasma, where materials in the adsorption chamber adsorb cytokines in the plasma to form the processed plasma, and where the materials include, by weight, 50-70% activated carbon and 30-50% non-ionic resin; (iii) combining the processed plasma, received directly from the adsorption chamber, with the blood cells in a combining chamber to form processed blood, without exchanging any of the plasma for another fluid; and (iv) transfusing the processed blood from the circuit directly into the subject, where no fluid besides the subject's blood is added to the circuit before the transfusing of the processed blood into the subject is completed.

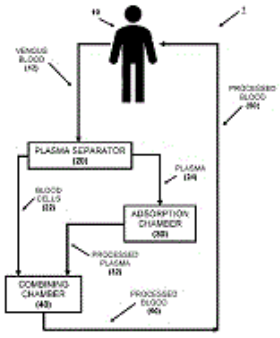


FIG. 1

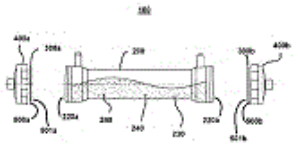
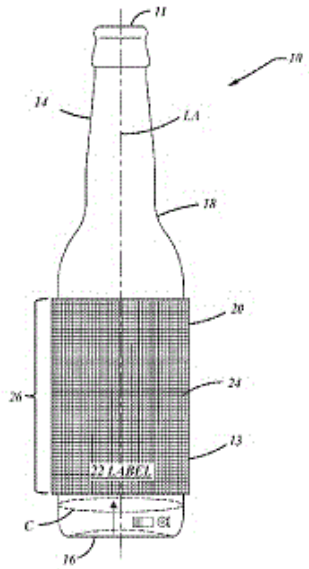


FIG. 2

21: 2021/05577. 22: 2021/08/06. 43: 2023/10/12
51: B29C; B41M
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: CHISHOLM, BRIAN J
33: US 31: 16/294,434 32: 2019-03-06
54: THREE-DIMENSIONAL PRINTING OF A POROUS MATRIX ON A CONTAINER
00: -
This disclosure describes container(s) having an ultraviolet (UV)-cured matrix and methods to create the same. For example, a glass container (10) according to this disclosure has a bottom (16) and a body (14) extending in a direction away from the bottom along a longitudinal axis (LA). The body has a surface (18) having an UV-cured matrix (20) including UV-curable varnish drops (30) arranged in a plurality of layers (50, 52) and having voids (32) existing therebetween to form a porous matrix structure (24). One method to form the glass container is to apply a layer of UV-curable varnish to an outer surface of the glass container as a plurality of varnish drops, so as to establish a plurality of voids between the varnish drops, cure the layer of UV-curable varnish, apply one or more additional layers of UV-curable varnish, and cure the additional layer(s) of UV-curable varnish, wherein all of the varnish drops and the voids form the UV-cured matrix.



21: 2021/05580. 22: 2021/08/06. 43: 2023/10/12
51: G06T; G01J
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: GRAFF, STEPHEN M, JOHNSTON, KARL
33: US 31: 16/290,347 32: 2019-03-01
54: REMOVAL OF INTERFERENCE OF ABSORBERS FROM INTENSITY DATA
00: -
A method for thermal imaging includes extracting pixel intensity data from a plurality of images corresponding to electromagnetic radiation emitted from one or more targets (22), creating an array for each image pixel in the plurality of images, wherein each pixel array represents a distribution of intensity data from corresponding pixels in each of the images, removing from each pixel array an amount of intensity data such that a remaining amount of intensity data represents an approximate equivalent to a distribution of intensity data uncontaminated by interference; and generating a thermal image representing the one or more targets based on the remaining amount of intensity data in each pixel array.

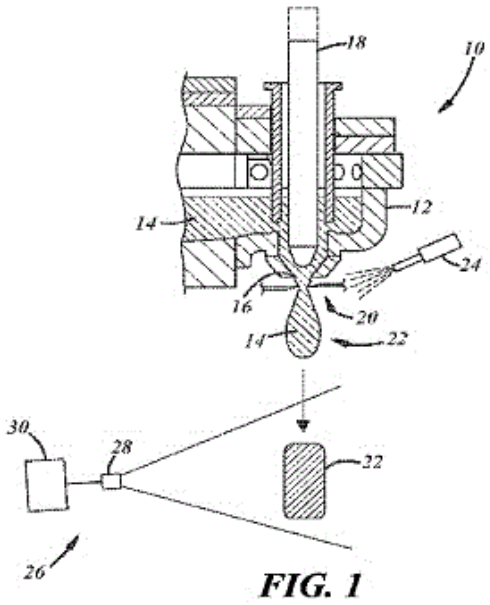


FIG. 1

21: 2021/05642. 22: 2021/08/10. 43: 2023/10/12
51: B01J; C07C
71: MITSUBISHI CHEMICAL CORPORATION
72: NAKAMURA, TAKUYA, KANEKO, DAISAKU
33: JP 31: 2019-066219 32: 2019-03-29
54: GRANULATED SUBSTANCE LOADING METHOD
00: -
This method is for loading a reaction tube of a vertical-type multi-tube reactor disposed in the vertical direction with a granulated substance by dropping the granulated substance from the top of the reaction tube with a linear object being inserted and suspended therein. The reaction tube has an effective length of at least 1,000 mm. Said linear object has a small-diameter portion at the upper part and a large-diameter portion that is contiguous to the small-diameter portion. The small-diameter portion has an outer diameter (Ra) of at most 5.0 mm, while the large-diameter portion has an outer diameter (Rb) of 5.0-15.0 mm, which is larger than the outer diameter (Ra). The length of the small-diameter portion is at least 10.0 mm from the top of the reaction tube. The distance between the top surface of a loaded layer of the granulated substance formed inside the reaction tube and the lower end of the linear object in a state of being inserted in the reaction tube is at least 100 mm.

Fig.1a

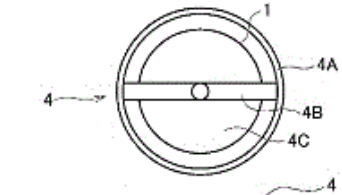
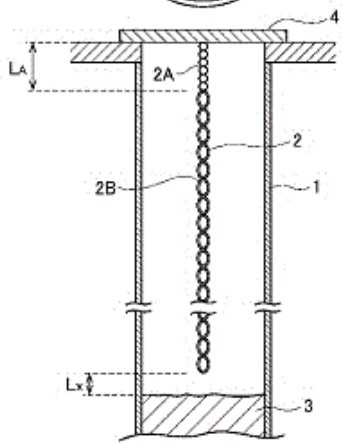
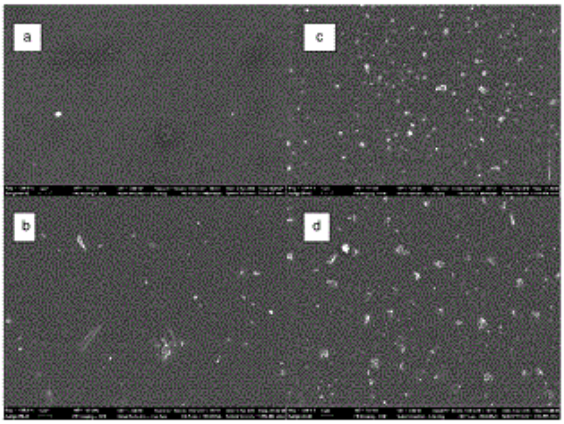


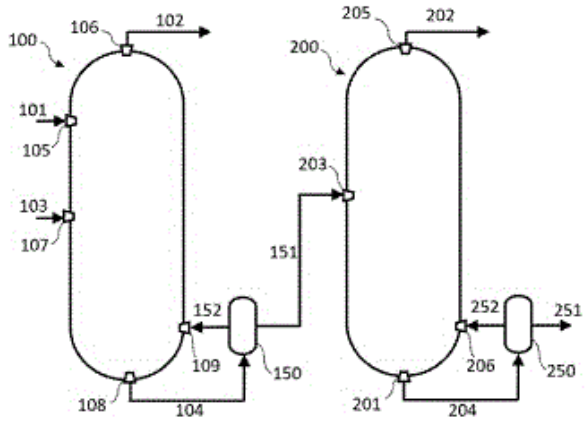
Fig.1b



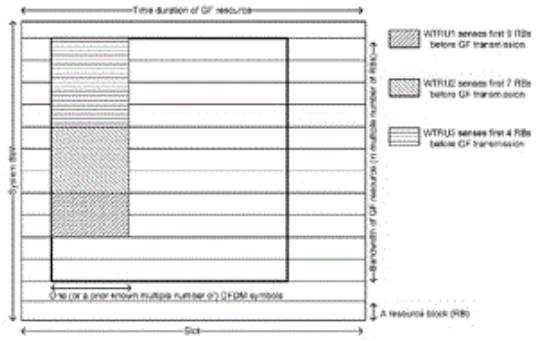
21: 2021/05647. 22: 2021/08/10. 43: 2023/10/12
51: B01J
71: CSIR, MINTEK
72: SIKHWIVHILU, LUCKY, HILLIE, THEMBELA
33: ZA 31: 2019/00915 32: 2019-02-13
54: A COMPOSITE MATERIAL AND A METHOD TO PREPARE THE COMPOSITE
00: -
The invention relates to a composite material, suitable for treating water. The composite material comprises an active layer and a substrate layer, with the active layer including titanium dioxide and silver nanoparticles. The active layer is bonded to the substrate layer such that, in use, there is substantially no leaching of the active layer into the body of water. The invention further relates to a method of preparing the composite material.



21: 2021/05664. 22: 2021/08/05. 43: 2023/10/13
51: C12P; C12M
71: LANZATECH, INC.
72: GAO, ALLAN HAIMING, CONRADO, ROBERT JOHN, GRIFFIN, DEREK WAYNE, TIAN, PENG
33: US 31: 62/803,120 32: 2019-02-08
54: PROCESS FOR RECOVERING CLOSE BOILING PRODUCTS
00: -
The disclosure is directed to a method for recovering products from a fermentation broth. The disclosure relates to the use of extractive distillation and/or dehydration to recover products which have close boiling points, such as ethanol and isopropanol, from a fermentation broth. In an embodiment, the recovery of product is completed in a manner that minimizes stress on the microbial biomass, such that it remains viable, at least in part, and may be recycled and reused in the fermentation process, which may result in increased efficiency in the fermentation process. The extractive distillation vessel and/or dehydration reactor may be used downstream of a distillation vessel. To minimize stress on the microbial biomass the distillation vessel may be under vacuum. The extractive distillation vessel may be used alongside a separation vessel such that the separation vessel is capable of recycling extractive distillation agent.

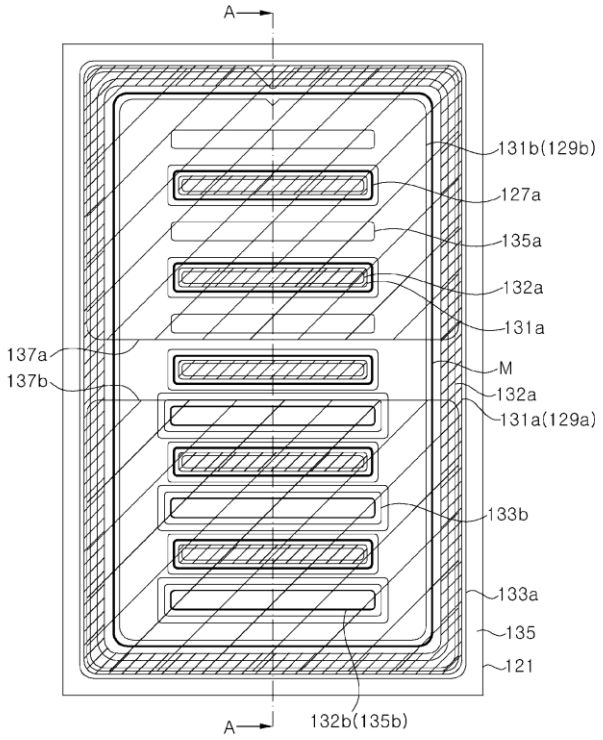


21: 2021/05707. 22: 2021/08/12. 43: 2023/10/16
51: H04L; H04W
71: INTERDIGITAL PATENT HOLDINGS, INC.
72: HEDAYAT, AHMAD REZA, NAYEB NAZAR, SHAHROKH, OTERI, OGHENEKOME
33: US 31: 62/586,473 32: 2017-11-15
54: GRANT-FREE UPLINK TRANSMISSIONS
00: -
The invention relates to a wireless transmit receive unit (WTRU) and a method for transmitting uplink control information (UCI). The WTRU comprises a processor which is configured to determine uplink control information (UCI) and determine whether a scheduled transmission of the UCI would overlap with a scheduled grant free (GF) transmission on a physical uplink shared channel (PUSCH). The processor is further configured to: (i) on a condition that the scheduled transmission of the UCI would overlap with the scheduled GF transmission on the PUSCH, determine to transmit the UCI in a physical uplink control channel (PUCCH) transmission, and (ii) transmit the UCI in a PUCCH transmission.



21: 2021/05784. 22: 2021/08/13. 43: 2023/11/16
51: H01L
71: SEOUL VIOSYS CO., LTD.
72: KIM, Tae Gyun, LEE, Kyu Ho
33: KR 31: 10-2019-0004547 32: 2019-01-14
54: DEEP ULTRAVIOLET LIGHT-EMITTING DIODE
00: -
A deep ultraviolet light-emitting diode is provided. A deep ultraviolet light-emitting diode according to an embodiment comprises: a substrate; an n-type semiconductor layer positioned on the substrate; a mesa disposed on the n-type semiconductor layer and comprising an active layer and a p-type semiconductor layer; n ohmic contact layers coming into contact with the n-type semiconductor layer; a p ohmic contact layer coming into contact with the p-type semiconductor layer; an n bump electrically connected to the n ohmic contact layers; and a p bump electrically connected to the p ohmic contact layer. The mesa comprises a plurality of vias which expose a first conductive semiconductor layer. The mesa has a long rectangular shape along the length

direction. The vias are aligned to be parallel to one another in a direction perpendicular to the length direction of the mesa. The n ohmic contact layers are respectively formed on the first conductive semiconductor layer exposed around the mesa and the first conductive semiconductor layer exposed by means of the vias.

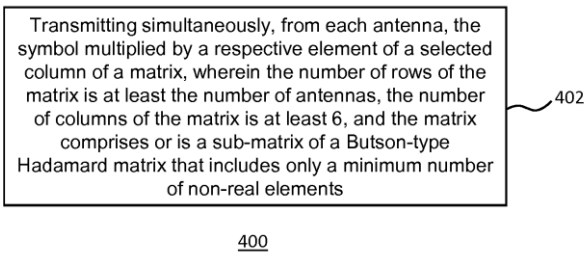


21: 2021/05934. 22: 2021/08/18. 43: 2023/11/16
51: H04B
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: LOPEZ, Miguel, WILHELMSSON, Leif

54: TRANSMITTING A SYMBOL FROM A PLURALITY OF ANTENNAS

00: -

Methods and apparatus are provided for transmitting a symbol from a plurality of antennas. In one example, a method comprises transmitting simultaneously, from each antenna, the symbol multiplied by a respective element of a selected column of a matrix. The number of rows of the matrix is at least the number of antennas, the number of columns of the matrix is at least 6, and the matrix comprises or is a sub-matrix of a Butson-type Hadamard matrix that includes only a minimum number of non-real elements.

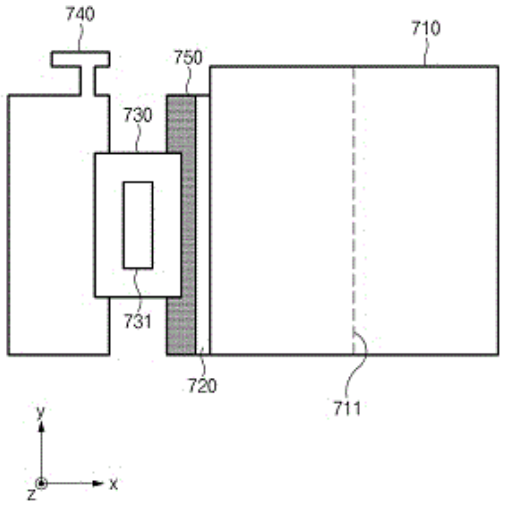


21: 2021/05974. 22: 2021/08/19. 43: 2023/10/18
51: G06F; G02B
71: SAMSUNG ELECTRONICS CO., LTD.
72: AN, JUNGCHUL, PARK, JAEHWAN, CHOI, SEUNGKI
33: KR 31: 10-2019-0019549 32: 2019-02-19

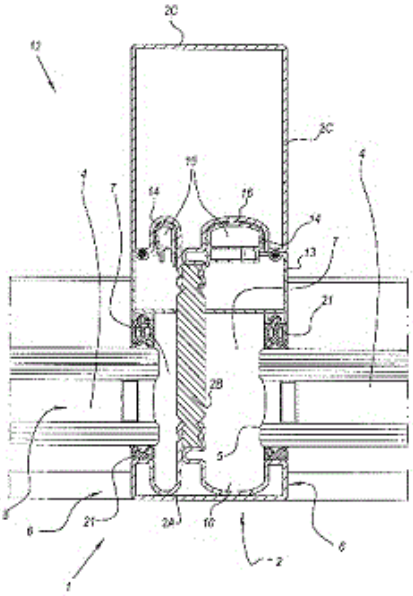
54: FOLDABLE ELECTRONIC DEVICE COMPRISING PROTECTION MEMBER

00: -

Disclosed is an electronic device comprising: a panel which forms at least a part of a display unit and which is folded along a folding line; a bending unit arranged to be adjacent to the long side of the panel; a film unit which is connected to the bending unit and which includes a display driving circuit; an FPCB which is connected to the film unit and which connects a processor and the display driving circuit; and a protection member arranged on the bending unit so as to cover at least a part of the bending unit, wherein the protection member is adhered onto one surface of the bending unit, at which the bending unit makes contact with a bracket. Other various embodiments identified through the specification are possible.



21: 2021/06065. 22: 2021/08/23. 43: 2023/10/18
51: E04B
71: CLAEYS, STEPHANIE CATHARINA R, CLAEYS, LAURENS LEONARD J, CLAEYS, NAUSIKAÄ ELS P
72: CLAEYS, ERIC
33: BE 31: 2019/5399 32: 2019-06-19
33: US 31: 62/818,821 32: 2019-03-15
54: CURTAIN WALL
00: -
A curtain wall that comprises one or more mullions (2) and one or more transoms (3) and panels (4-4A) that are fitted with their edges (5) at least in the mullions (2) and optionally in the transoms (3), characterized in that the aforementioned mullion is assembled from at least an inner profile (2C) and an outer profile (2A) joined together by means of one or more plastic profiles (2B), wherein at least the inner profile (2C) consists substantially of steel.



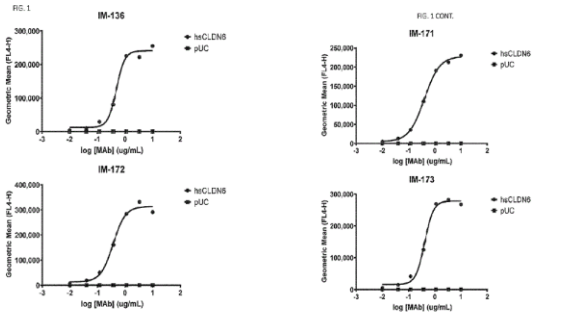
21: 2021/06305. 22: 2021/08/30. 43: 2023/10/16
51: C04B
71: INTOCAST AG
72: KNOLL, MANFRED, FRÖSE, NATALIE
33: DE 31: 10 2019 001 214.3 32: 2019-02-20
33: DE 31: 20 2019 003 290.8 32: 2019-08-07
54: REFRACTORY COMPOUND AND BINDER THEREFOR, METHOD FOR THE PRODUCTION AND USE THEREOF
00: -
The invention relates to an unshaped refractory compound, in particular a casting compound, gunning compound and/or free-flowing compound, comprising a bond system, which forms upon addition of water, and a dry micro-scale amorphous SiO2- binder as the sole binder, which is mixed in a proportion of ≤ 1% by weight of the total mass with the solid components to be bonded and forms the bond system after addition of 1-30% by weight of water. The invention further relates to a method for producing refractory compounds and a use of microcrystalline amorphous silicon dioxide in the production of refractory compounds.

21: 2021/06602. 22: 2021/09/08. 43: 2023/10/05
51: C07K A61K
71: INTEGRAL MOLECULAR, INC.
72: CHAMBERS, Ross, RUCKER, Joseph, CHARPENTIER, Thomas, STAFFORD, Lewis, J., SCRENCI, Brad, BARNES, Trevor, DORANZ, Benjamin
33: US 31: 62/806,048 32: 2019-02-15

54: CLAUDIN 6 ANTIBODIES AND USES THEREOF

00: -

Antibodies and compositions against Claudin 6 and uses thereof are provided.



21: 2021/06852. 22: 2021/09/17. 43: 2023/10/18

51: G06Q; G06F

71: AGI SURETRACK LLC

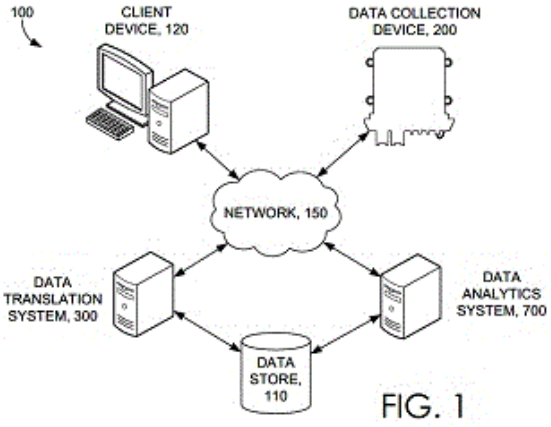
72: TATGE, JASON G, CARENZA, JONATHAN S, TYNES, SARAH MICHELLE, GROVES, TYRONE AVERY

33: US 31: 17/024,308 32: 2020-09-17

54: GEOSPATIAL AGGREGATING AND LAYERING OF FIELD DATA

00: -

Embodiments relate to storing farming activity values into geospatial containers associated with a spatial grid system, and generating data analytics therefrom. Pulse data collected by a data collection device and associated with a swath width of a farming implement can be obtained. A pulse polygon can be generated based on the swath width and location information included in the pulse data. The pulse polygon can be translated into at least one grid cell of a plurality of grid cells of a spatial grid system, such that the at least one grid cell geographically corresponds to the pulse polygon. Relevant data points extracted from the pulse data can be stored into a geospatial container generated for each grid cell of the at least one grid cell. Any of the geospatial containers can thus be selectively analyzed, independently or in combination with other geospatial containers, to derive accurate insights therefrom.



21: 2021/06916. 22: 2021/09/17. 43: 2023/10/25

51: B23Q; F16H

71: UNIVERSITY OF PRETORIA

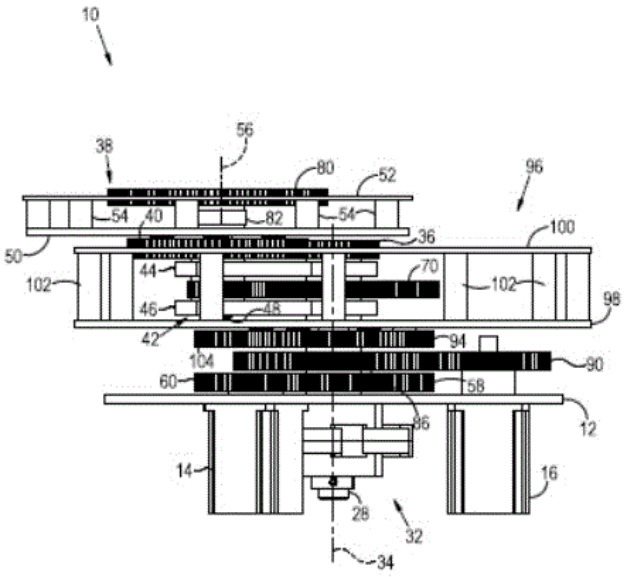
72: MARX, Douw

33: ZA 31: 2019/02310 32: 2019-04-12

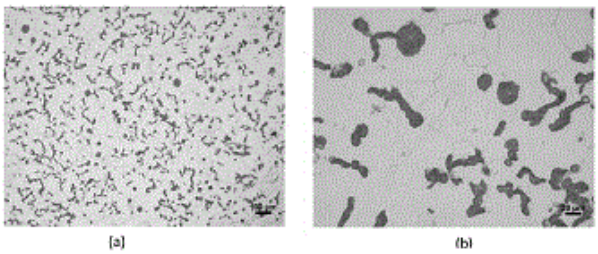
54: Drive Arrangement

00: -

The invention relates to a drive arrangement for displacing a rotatable component. The drive arrangement includes a plurality of gear trains and a power source connected to each train and configured such that they are able to drive a rotating component selectively rotationally about an axis of rotation and/or laterally relative to the axis of rotation. The drive arrangement includes a plurality of rotating components typically constituting at least two planetary gear sets which are connected in series.



21: 2021/07118. 22: 2021/09/23. 43: 2023/10/18
51: C22C
71: TUPY S.A.
72: DE SOUZA CABEZAS, CARLOS, MELLERAS, EITAN, FURBINO MARTINS, MARINA
33: BR 31: BR 10 2020 019029 6 32: 2020-09-23
54: VERMICULAR CAST IRON ALLOY, COMBUSTION ENGINE BLOCK AND HEAD
00: -
A vermicular cast iron alloy specially designed for blocks and heads of internal combustion engines that have special requirements for mechanical strength and machinability. The vermicular alloy has a microstructure that results in high values of mechanical properties, such as a minimum strength limit of 500 Mpa, a minimum yield limit of 350 MPa, along with good machinability. Furthermore, a ferritization factor must be between 3.88 and 5.48. This set of properties makes it possible to design new engine blocks and heads with complex geometry, high mechanical properties, without compromising machinability, making it attractive both from a technical and economic point of view.



21: 2021/07428. 22: 2021/10/01. 43: 2023/11/28
51: A61K; C07K
71: BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC., IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC.
72: VAUGHN, Eric, M., IYER, Arun, HERNANDEZ, Luis, Alejandro, PATTERSON, Abby, ARRUDA, Bailey, GIMENEZ-LIROLA, Luis, Gabriel, ANSTROM, David, Michael, PINEYRO PINEIRO, Pablo, E.
33: US 31: 62/829,400 32: 2019-04-04
54: PORCINE CIRCOVIRUS TYPE 3 (PCV3) VACCINES, AND PRODUCTION AND USES THEREOF
00: -
The present invention relates to the use of an immunogenic composition that comprises a porcine circovirus type 3 (PCV3) antigen for treatment of several clinical manifestations (diseases). Preferably, the clinical manifestations are associated with a PCV3 infection.

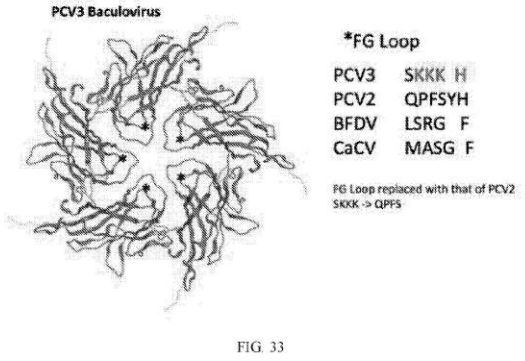


FIG. 33

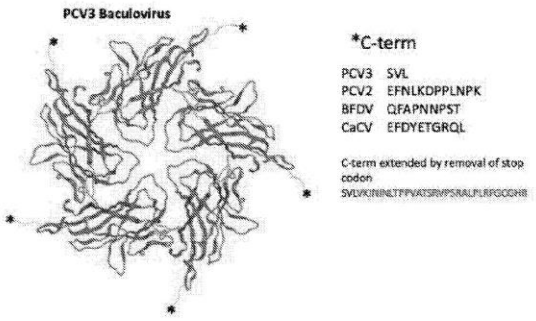


FIG. 33

21: 2021/07516. 22: 2021/10/06. 43: 2023/07/18
51: H04M; H04W
71: Brett Steingo
72: Brett Steingo
33: US 31: 62/859,805 32: 2019-06-11

54: LOGGING MOBILE PHONE COMMUNICATIONS

00: -

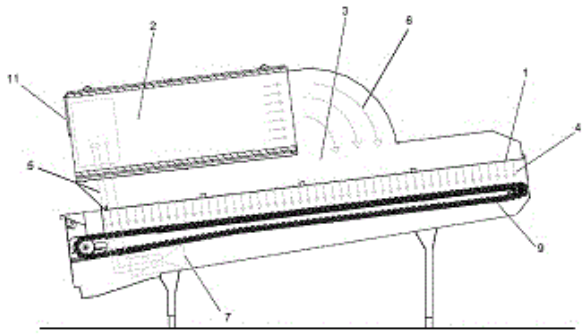
A method comprises recording communication details comprising a communication duration and caller details calculated from a mobile telecommunication device (MTD) commencing a communication. The method further comprises providing a prompt to a client device comprising a request to input information into the MTD and attribute the commu-nication details to a client account. The method further comprises rating, by a processing device, the communication details to the client account in accordance with user-determined billing parameters, wherein the client account is transmitted to at least one recipient, in accordance with a user inputted preference.

21: 2021/08216. 22: 2021/10/25. 43: 2023/10/18
51: F26B
71: RODA IBERICA, S.L.
72: BLANC, CHRISTOPHE
33: ES 31: P201930314 32: 2019-04-05

54: TUNNEL FOR DRYING FRUIT AND VEGETABLES

00: -

The invention relates to a drying tunnel for fruit and vegetables, which comprises a propulsion and heating chamber (2) and a plenum (3), configured to receive outgoing warm air (6) generated in the propulsion and heating chamber (2) by a generator, the plenum (3) comprising staggered holes (10) on its bottom surface (1), with a hole density of 150-300 holes (10) per square metre, wherein the holes (10) are configured to expel distributed warm air (4) perpendicularly from inside the plenum (3) towards a transport system (9) configured to move fruit and vegetables to be dried.

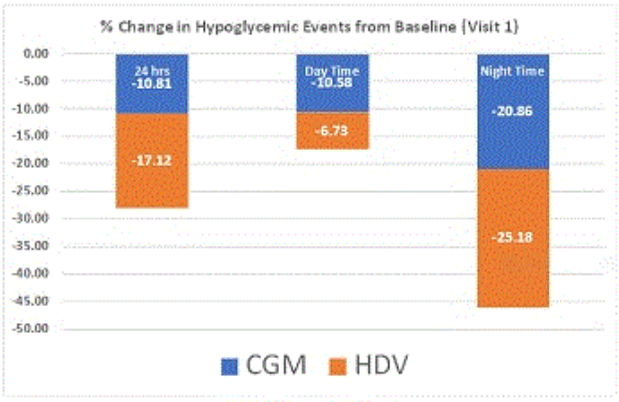


21: 2021/08217. 22: 2021/10/25. 43: 2023/10/18
51: A61K; A61P
71: SDG, INC.
72: GEHO, W. BLAIR
33: US 31: 62/833,228 32: 2019-04-12
33: US 31: 62/988,748 32: 2020-03-12

54: LIPID-BASED NANOPARTICLES AND USE OF SAME IN OPTIMIZED INSULIN DOSING REGIMENS

00: -

The invention provides methods of treating a subject having diabetes mellitus and/or a metabolic derangement.

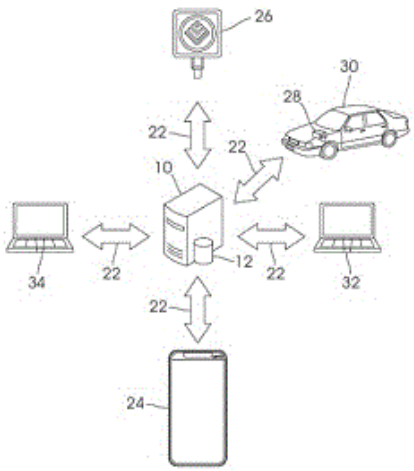


21: 2021/08247. 22: 2021/10/26. 43: 2023/10/16
51: G06F
71: DISCOVERY LIMITED
72: GINSBERG, DAN JONATHAN, PIENAAR, LEZETTE CARINA, NEPGEN, ANDRE
33: ZA 31: 2020/06495 32: 2020-10-20

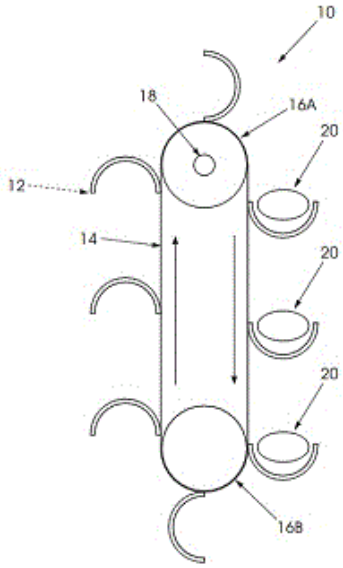
54: A COMPUTER IMPLEMENTED SYSTEM FOR MEASURING GREENHOUSE GAS EMITTING ACTIVITIES OF A USER

00: -

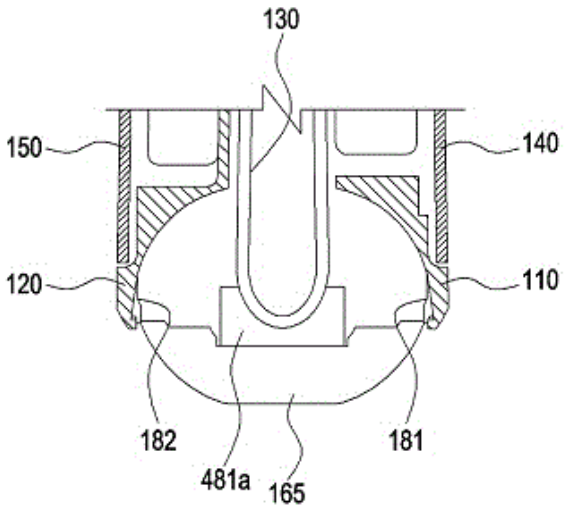
A system for measuring the greenhouse gas emitting activities of a user is described. Data for different sources of greenhouse gas emitting user activities, including electricity usage, motor vehicle usage, food consumption, and flight usage, are gathered, normalized, weighted, and presented. The system and method include providing the user with feedback regarding these activities and rewarding the user for changing these activities to thereby reduce their greenhouse gas emissions.



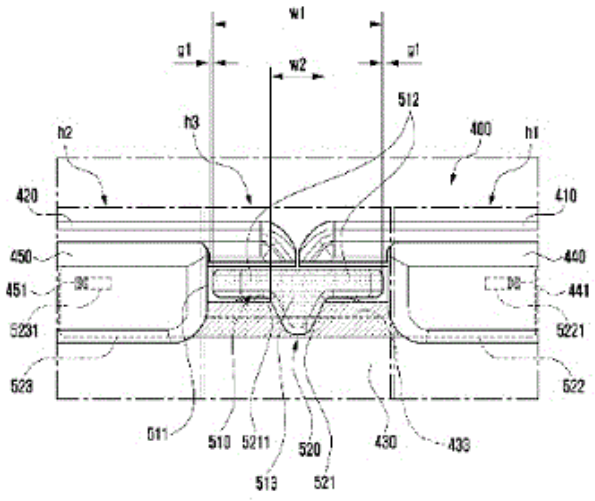
21: 2021/08347. 22: 2021/10/28. 43: 2023/10/18
51: H02N; H02J
71: YEDWA HOLDINGS (PTY) LTD
72: NDLOVU, YEDWA ERICK
33: ZA 31: 2020/04648 32: 2020-07-28
54: A SYSTEM FOR GENERATING ELECTRIC POWER
00: -
This invention relates to a system for generating electric power. The system includes at least two pulleys (16A and 16B), a connector (14) connected to and running over the pulleys (16). The system further includes at least one elongated object holder (12) mounted on the connector (14), wherein, the object holder (12) is configured to run over the pulleys (16) and, in use, the object holder (12) is displaceable from a higher position to a lower position, and from a lower position to a higher position in a continuous loop by displacing the connector (14). A generator (18) is connected to at least one pulley (16A), such that in use, the pulley (16A) drives the generator (18) and electric power is generated when an object (20) on the object holder (12) is moved from a higher position to a lower position by displacing the connector (14).



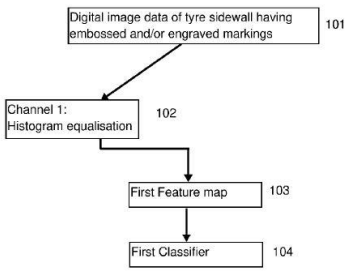
21: 2021/08844. 22: 2021/11/09. 43: 2023/10/18
51: G06F
71: SAMSUNG ELECTRONICS CO., LTD.
72: PARK, JUNGWON, KANG, YOUNGMIN, KIM, SUNGHUN, KIM, YUNSIK, KIM, JINGOOK, KIM, CHIJOON, LA, HYOSUNG, LEE, SUMAN, LEE, SEUNGJOON, CHOI, SEUNGWHEE, CHOI, JUNYOUNG
33: KR 31: 10-2019-0064725 32: 2019-05-31
33: KR 31: 10-2019-0108733 32: 2019-09-03
33: KR 31: 10-2020-0002991 32: 2020-01-09
33: KR 31: 10-2019-0087766 32: 2019-07-19
54: PORTABLE COMMUNICATION DEVICE INCLUDING SEALING MEMBER
00: -
A portable communication device or electronic device is provided. The communication device includes a housing including a first housing structure, a second housing structure, and a hinge cover positioned between at least a portion of the first housing structure and at least a portion of the second housing structure, a flexible display at least partially received in the housing and including a first portion corresponding to the first housing structure, a second portion corresponding to the second housing structure, and a third portion corresponding to the hinge cover, a hinge structure positioned between the third portion of the flexible display and the hinge cover and connected with the first housing structure and the second housing structure, and at least one sealing member positioned between the third portion of the flexible display and the hinge cover and contacting the hinge cover.



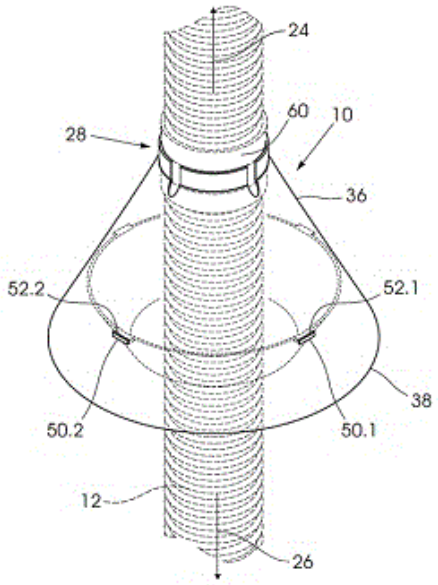
21: 2021/08943. 22: 2021/11/11. 43: 2023/10/18
51: G09F; F16C; G06F; H04M
71: SAMSUNG ELECTRONICS CO., LTD.
72: PARK, JUNGWON, KANG, JONGMIN, KIM, DAEYOUNG, KIM, SUNGHUN, KIM, CHIJOON, AN, HYOSANG, LEE, SEUNGJUN, LEE, HYUNGGEUN, CHOI, SEUNGWHEE, CHOI, JUNYOUNG, KIM, DOORYONG, JANG, YONGHEE
33: KR 31: 10-2019-0087535 32: 2019-07-19
33: KR 31: 10-2019-0064849 32: 2019-05-31
54: FOLDABLE ELECTRONIC DEVICE INCLUDING DISPLAY PROTECTION STRUCTURE
00: -
An electronic device is provided, which includes a hinge structure, a first housing structure, a second housing structure, wherein the first housing structure and the second housing structure fold and unfold about the hinge structure, a display, a first protection cover disposed in the first housing structure on at least some of a periphery of the display, a second protection cover disposed in the second housing structure on at least some of the periphery of the display, and a protection structure that protects the periphery of the display in a folding region.



21: 2021/09181. 22: 2021/11/17. 43: 2023/09/27
51: G06K; G06T
71: WheelRight Limited
72: KAZMI, Syed Wajahat Ali Shah, CODD, Alexander Paul
33: GB 31: 1906788.3 32: 2019-05-14
54: TYRE SIDEWALL IMAGING METHOD
00: -
A computer implemented method is proposed for classifying one or more embossed and/or engraved markings on a sidewall of a tyre into one or more classes comprising digital image data of the sidewall of the tyre. The method comprises generating a first image channel from a first portion of the digital image data relating to a corresponding first portion of the sidewall of the tyre. Generating the first image channel comprises performing histogram equalisation on the first portion of the digital image data to generate the first image channel. The method further comprises generating a first feature map using the first image channel and applying a first classifier to the first feature map to classify said embossed and/or engraved markings into one or more first classes.

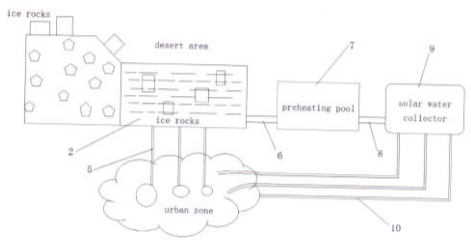


21: 2021/09238. 22: 2021/11/18. 43: 2023/10/18
51: G06Q
71: FOURIE, DEON JUAN
72: FOURIE, DEON JUAN
33: ZA 31: 2020/05129 32: 2020-08-19
54: DISLODGEMENT APPARATUS FOR A SWIMMING POOL CLEANER DEVICE
00: -
A dislodgement apparatus for a pool cleaner device, used to dislodge the pool cleaner device when stuck in position, or to inhibit the pool cleaner from getting stuck in position, in use, while cleaning a pool. The dislodgement apparatus comprises a main body, arranged relative to a suction pipe of the pool cleaner device. The main body comprises a first side associated with a first end and operatively facing in a first longitudinal direction of the suction pipe and a second opposing side associated with a second end and operatively facing in a second longitudinal direction of the suction pipe. The configuration of the main body is such that it offers less resistance to displacement in the first longitudinal direction, than in the second longitudinal direction.



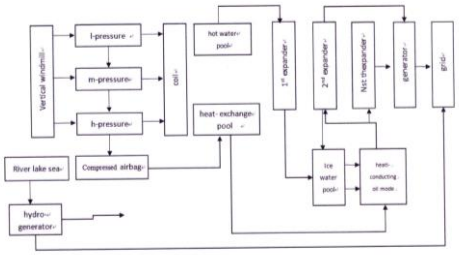
21: 2021/09514. 22: 2021/11/24. 43: 2023/10/18
51: C07D; A61K; A61P
71: KAKEN PHARMACEUTICAL CO., LTD., BRICKELL BIOTECH, INC.
72: MARUBAYASHI, KAZUYOSHI, WATANABE, MASAHITO, BRINKMAN, HERBERT R
33: US 31: 62/851,880 32: 2019-05-23
54: CRYSTALLINE FORM OF SOFPIRONIUM BROMIDE AND PREPARATION METHOD THEREOF
00: -
A cocrystal containing the 1'R-diastereomer and the 1'S-diastereomer of sofpironium bromide at a ratio of 1:3 (Form CO), a crystal mixture (for example, Form B) containing Form CO and a crystalline form of the 1'R-diastereomer (Form MN), and a method for preparing sofpironium bromide, which is suitable for manufacture of the crystal mixture are provided. Form CO and a crystalline form of sofpironium bromide containing Form CO (for example, Form B) have superior stability without hygroscopic property, and accordingly they can be preferably used as a raw material of medicaments.

21: 2021/09728. 22: 2021/11/29. 43: 2023/10/18
51: F25B; F25C; F24S
71: ZHOU LIANHUI
72: Zhou Lianhui
33: WO 31: PCT/CN2020/100387 32: 2020-07-06
54: SYSTEM UTILIZING SEA ICE FLOE IN DESERT AND METHOD THEREOF
00: -
The invention discloses a system utilizing sea ice floe in desert and method thereof, comprising a reservoir built in nearby the desert seashore for storing melted ice water, via through a cold water pipeline, the reservoir is directly connected to the urban area, and via a preheating pipeline, to preheat the pool, which is connected to the solar water collectors via a hot water ingoing pipeline and the hot water outgoing pipeline, is connected to the urban area. By transporting the floating ice on the sea to the adjacent land desert, and a part of the ice water can be directly transmitted to neighbouring countries, the other part can be directly or indirectly heated by the solar energy of the desert (solar heating) and transmitted to neighbouring countries as domestic water. The evaporated water increases the air humidity of the desert and the growth of vegetation, for reforesting; the nearby countries in summer become cooling, providing hot water and the warmth and bathing for 200 million people, reducing the use of air conditioning, saving energy of natural gas for environmental protection.

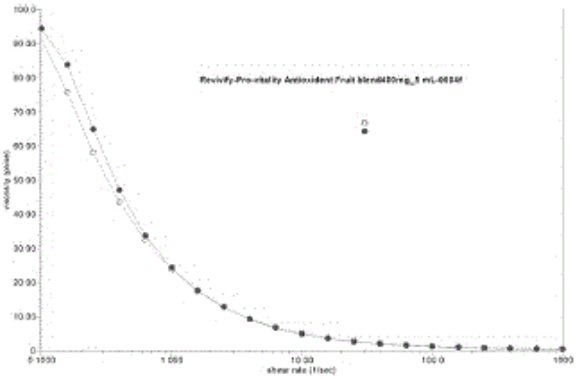


21: 2021/09729. 22: 2021/11/29. 43: 2023/10/18
51: B09B; E02D
71: ZHOU LIANHUI
72: Zhou Lianhui
33: WO 31: PCT/CN2020/102926 32: 2020-07-20
54: METHOD FOR BUILDING ARTIFICIAL DESERT HILLS BY WASTE TYRES
00: -
A method for building artificial desert hills by waste tires of the present invention comprises: 1) transporting the waste tires to the desert, and piling them upon a cone-shaped mound; 2) constructing a sand platform at a certain vertical interval from the bottom to the top for parking a belt conveyor; 3) the belt conveyor is employed to scatter the sand around and over the mound of waste tires, until all of which are covered by sands; 4) growing vegetation upon the mound of waste tires. Its advantages is that it can reuse a large number of tires unreturnable by piling upon and forming the tire mounds and constituting robust ridge of such mounds in the desert, blocking the movement and expansion of sand dunes, containing desertification and reducing land occupation and harmfulness.

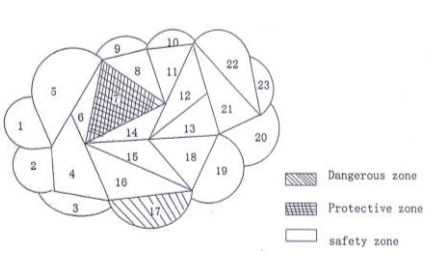
21: 2021/09730. 22: 2021/11/29. 43: 2023/10/18
51: F03D; F25B
71: ALPINE ALA TECHNOLOGIES OF SHANGHAI CO., LTD.
72: Zhou Lianhui, Gong Mao
33: WO 31: PCT/CN2020/115315 32: 2020-09-12
54: MULTI-COMPRESSOR AND MULTI-FUNCTION ELECTRICITY GENERATING SYSTEM DIRECTLY LINKING TO WINDMILL
00: -
The invention discloses a multi-compressor multifunctional power generation system directly connected to a windmill and a method thereof, comprises: a vertical windmill, a low-pressure compressor, a medium-pressure compressor, a high-pressure compressor, a compressed airbag, a heat exchange and heat preservation pool with molten salt, a hot water pool, multistage expanding compressor, a mixed ice and water pool, a heat-conducting oil module, said power output shaft of the vertical windmill is connected to the power input shaft of the low-pressure compressor, of the medium-pressure compressor and of the high-pressure compressor. said exhaust outlet of the low pressure compressor is connected to the inlet of the medium pressure compressor, the exhaust outlet of the medium pressure compressor is connected to the inlet of the high pressure compressor, the exhaust outlet of the high pressure compressor is connected to a compressed airbag , and the thermal energy of said low pressure compressor, medium pressure compressor and high pressure compressor is via coils input to the heat exchange and heat pool with molten salt and to the hot water pool. The multistage expander outputs mechanical power and electricity, synchronically expelling cold air, which. via the compressed air pipeline, exchanges heat with the ice-water mixture pool for its gaining and storing cold energy, providing a cold source for cooling.



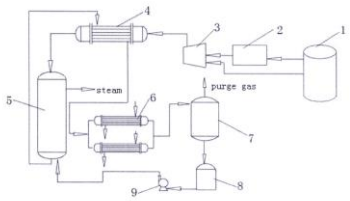
21: 2021/09829. 22: 2021/12/01. 43: 2023/10/16
51: A61K
71: ADVANCE PHARMACEUTICAL, INC
72: HOSSAIN, LIAQUAT
33: US 31: 62/860,214 32: 2019-06-11
33: US 31: 62/992,459 32: 2020-03-20
54: SUPER-OXIDE DISMUTASE SOLUBLE FIBER COMPOSITIONS
00: -
Provided are compositions comprising super-oxide dismutase and a soluble fiber. The compositions may additionally comprise other antioxidants, vitamins and nutrients. The compositions can be used as dietary supplements and for improving health and well-being.



21: 2021/09835. 22: 2021/12/01. 43: 2023/10/18
51: A01G
71: ZHOU LIANHUI
72: Zhou Lianhui, Gong Mao
33: WO 31: PCT/CN2020/130587 32: 2020-11-20
54: METHOD FOR MANAGING FOREST RESOURCE AND ITS SYSTEM THEREOF
00: -
The present invention discloses a method for managing forest resource and its system thereof, comprises: storing the satellite remote sensing image data, numbering data, and physical ground model in a database; collecting remote sensing images of various regions of the forest through satellite again after a period of time, and compare the previous remote sensing images stored in the database to determine the change information of forest resources; classify each area of the forest, and at the same time provide forest management warning tips for dangerous areas to strengthen fire protection, and forest management early warning tips for protected areas to strengthen forest restoration . The present invention implements intelligent management of the geographic location, forest status, and fire warning of the forest by dividing the forest area and combining GIS technology and RS technology; and according to the collected forest remote sensing image, the forest area status is divided to achieve pertinence management. Strengthened forest protection and fire hazard elimination, greatly reduced the probability of forest fires, and improved forest resource management.



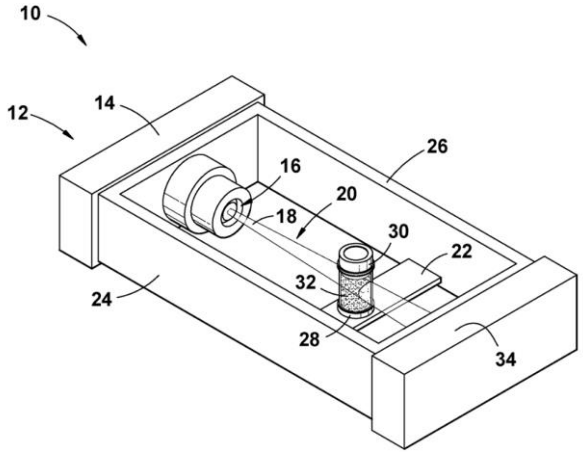
21: 2021/09851. 22: 2021/12/01. 43: 2023/10/18
51: A62C; C10J
71: ZHOU LIANHUI
72: Zhou Lianhui, Gong Mao
33: WO 31: PCT/CN2020/121778 32: 2020-10-19
54: COMPLEX SYSTEM FOR UTILIZING FOREST BIOMASS ENERGY AND ITS METHOD THEREOF
00: -
The invention discloses a complex system for utilizing forest biomass energy and its method thereof comprises a belt drive device, a conveyor belt, a biomass material processing plant, a biomass gasification device, and a biomass generator set, and the belt drive device is used for driving The conveyor belt conveys the biomass of the forest to the biomass material processing plant through the conveyor belt, and the biomass material processing plant is used to process the biomass of the forest into usable biomass materials, and the biomass material processed by the biomass material processing plant The materials are respectively transported to biomass gasification equipment and biomass power generating units for the production of biomass gas and biomass combustion for power generation. The invention utilizes the biomass in the forest except for the living trees, greatly reduces the combustible attachments on the ground, and avoids large-scale fires and major deaths, property losses, and catastrophic air pollution as much as possible. Gas, electricity and industrial accessories that have certain economic benefits can be sold.



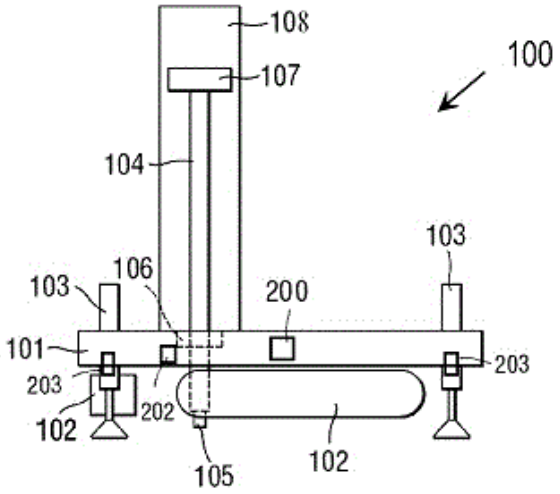
21: 2021/09954. 22: 2021/12/03. 43: 2023/10/16
51: C04B

71: UNIVERSITY OF JOHANNESBURG
72: MASHIFANA, TEBOGO, SITHOLE, THANDIWE, MAKHATHA, ELIZABETH, MATSHAVHA, ROSEMARY
33: ZA 31: 2020/07553 32: 2020-12-04
54: A METHOD FOR PRODUCING A BUILDING OR CONSTRUCTION MATERIAL USING WASTE PLASTIC
00: -
This invention relates to a building or construction material and method of production thereof. The building or construction material comprises waste plastic and waste foundry sand. The waste plastic and waste foundry sand are melted and combined to form a paste. The paste is used in mould to produce a building or construction material.

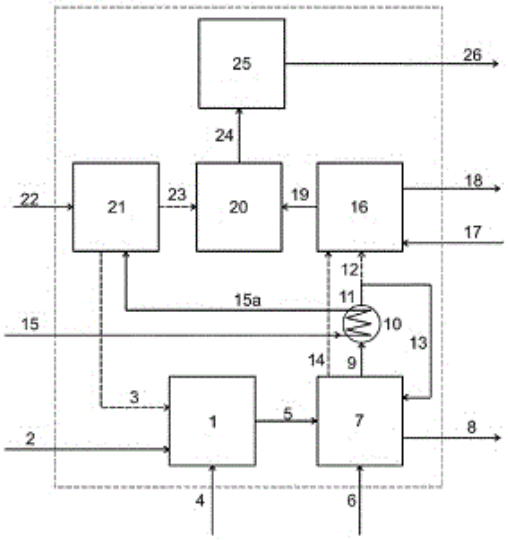
21: 2021/10033. 22: 2021/12/06. 43: 2023/11/07
51: C09K; G21G
71: UNIVERSITY OF SOUTH AFRICA
72: MAAZA, Malek, KHAMLICHE, Touria
33: ZA 31: 2019/03990 32: 2019-06-20
54: NANOFLUIDS
00: -
The present invention relates to a nanofluid manufactured by nuclear irradiating a mixture that comprises a precursor and base fluid. The invention extends to a method of manufacturing the nanofluid. The invention also extends to a system for use in manufacturing the nanofluid. The combination of the uniform irradiation dosage results in substantially no sedimentation of the suspended nanoparticles. The formed nanofluid has been observed to have better properties compared to those known in the art.



21: 2021/10571. 22: 2021/12/17. 43: 2023/10/18
51: E21B
71: PECK TECH CONSULTING LTD.
72: PYKE, SANDY, GARIEPY, FRANCOIS
33: US 31: 62/873,700 32: 2019-07-12
33: US 31: 16/925,417 32: 2020-07-10
54: SYSTEM, APPARATUS, AND METHOD TO PERFORM LEVELING FOR BOREHOLE DRILLS
00: -
A system, apparatus, and method for leveling a borehole or blasthole drilling machine (100), or portion thereof, provided over a drilling site (300) can implement a ground contact detect phase or operation (S502), a first coarse leveling phase or operation (S506), a lowering phase or operation (S510), and a fine leveling phase or operation (S518). The phases or operations can be based on or responsive to signals from sensors (202, 203) of the drilling machine (100). The phases or operations can involve changing length of one or more of the jacks (102) of the drilling machine (100) when the drilling machine (100) is positioned over the drilling site (300).



21: 2022/00225. 22: 2022/01/04. 43: 2023/10/24
51: C25C
71: BASF SE, THYSSENKRUPP AG, THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
72: SCHEIFF, FREDERIK, LEDUC, MARC, BODE, ANDREAS, BUEKER, KARSTEN, ANTWEILER, NICOLAI
33: EP 31: 19178457.8 32: 2019-06-05
54: METHOD AND SYSTEM FOR USING THE CARBON OXIDE ARISING IN THE PRODUCTION OF ALUMINIUM
00: -
The invention relates to a method for using the carbon oxide arising in the production of aluminium via the electrolytic reduction of aluminium oxide in the melt using at least one anode made of a carbon-containing material, wherein a pyrolytic carbon is used for the production of the at least one anode, wherein a pyrolysis (1) of hydrocarbons, in particular methane or natural gas, is carried out, in which pyrolytic carbon and hydrogen arise, and wherein, according to the invention, the hydrogen (4) arising in the pyrolysis of methane is mixed with carbon dioxide and/or carbon monoxide from the electrolytic production of aluminium in order to generate a gas flow (15) which is supplied for further application. The invention also relates to a system network comprising an electrolysis device (9) for producing aluminium via the electrolytic reduction of aluminium oxide in a melt, wherein the system network also comprises at least one reactor (1) in which pyrolytic carbon and hydrogen are generated via the pyrolysis of hydrocarbons.



21: 2022/00227. 22: 2022/01/04. 43: 2023/10/24
51: A61K
71: INTAS PHARMACEUTICALS LTD.
72: NAIDU, VENKATARAMANA, DESAI, JWALANT VIJAYBHAI, SAXENA, MAYANK, JAMLOKI, ASHUTOSH
33: IN 31: 201921027551 32: 2019-07-10
54: STABLE ORAL COMPOSITION OF CYCLOPHOSPHAMIDE
00: -
The present invention relates to a stable oral composition for cyclophosphamide or its pharmaceutically acceptable salt. The said composition for cyclophosphamide can be in the form of powder for oral solution, which can provide an improved stability, ease for reconstitution, and better palatability suitable for pediatric patients. Further, the invention relates to a process for preparation of the said powder for oral solution of cyclophosphamide.

21: 2022/00264. 22: 2022/01/05. 43: 2023/10/18
51: F01N; C04B
71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY
72: BURMESTER, SABINA, HOTCHKISS, THOMAS, MARVELL, DAVID, TURNER, JOHN
33: GB 31: 1911704.3 32: 2019-08-15
54: TREATMENT OF PARTICULATE FILTERS
00: -
A method and apparatus (1) for treating a filter (2) for filtering particulate matter from exhaust 5 gas. A reservoir (3) containing a dry powder (4) is provided.

A vacuum generator (6) establishes a primary gas flow through a porous structure of the filter (2) by applying a pressure reduction to an outlet face of the filter (2). A spray device (7) receives the dry powder (4) from a transport device (8) and sprays the dry powder (4) towards the inlet face of the filter (2). A controller (9) is configured to control operation of at least the vacuum generator 10 (6) and the spray device (7).

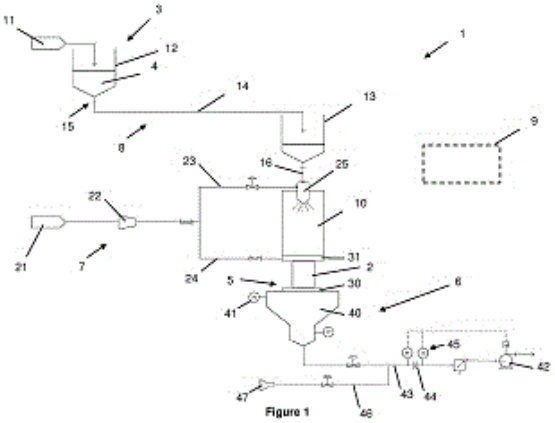
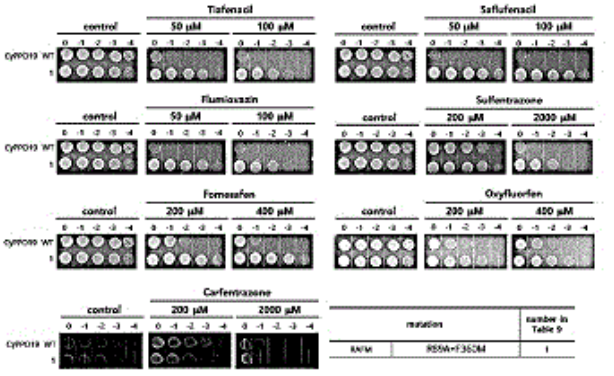


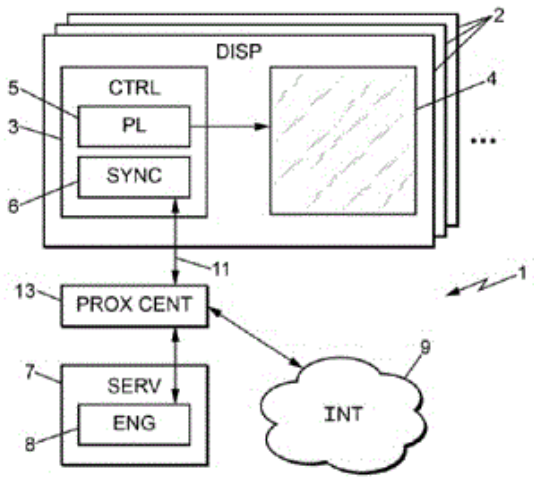
Figure 1

21: 2022/00265. 22: 2022/01/05. 43: 2023/10/18
51: B01J
71: DOW TECHNOLOGY INVESTMENTS LLC
72: BECKER, MICHAEL C, EISENSCHMID, THOMAS C, MILLER, GLENN A
33: US 31: 62/867,575 32: 2019-06-27
54: PROCESS TO PREPARE SOLUTION FROM HYDROFORMYLATION PROCESS FOR PRECIOUS METAL RECOVERY
00: -
Embodiments of the present invention relate to processes to prepare a spent catalyst fluid from a hydroformylation process for precious metal recovery. In one embodiment, a process comprises (a) removing a spent catalyst fluid from an active hydroformylation reaction system, wherein the spent catalyst fluid comprises the hydroformylation reaction catalyst and is substantially free of non-hydrolyzable triorganophosphorous compounds; and (b) adding a non-hydrolyzable triorganophosphorous compound to the spent catalyst fluid from step (a) prior to storing the fluid or prior to shipping for precious metal recovery.

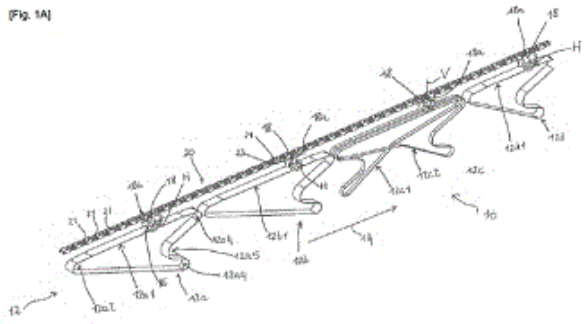
21: 2022/00275. 22: 2022/01/05. 43: 2023/10/18
51: C12N
71: FARMHANNONG CO., LTD.
72: SUNG, SOON-KEE, AHN, YOUNG OCK, WOO, JOO YONG, YOON, JOONSEON, KIM, HANUL, HONG, MYOUNG-KI, PARK, JOONGHYUK
33: KR 31: 10-2019-0071028 32: 2019-06-14
54: METHODS AND COMPOSITIONS FOR CONFERRING AND/OR ENHANCING HERBICIDE TOLERANCE USING PROTOPORPHYRINOGEN IX OXIDASE OF VARIOUS CYANOBACTERIA OR VARIANT THEREOF
00: -
Provided are protoporphyrinogen IX oxidases derived from various organism or variants thereof, and uses of the same for conferring and/or enhancing herbicide tolerance of a plant and/or an alga.



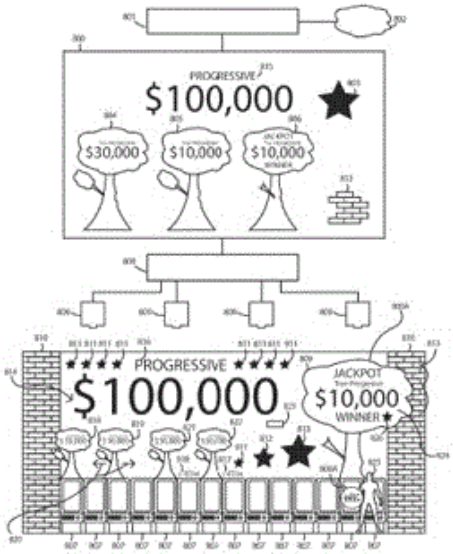
21: 2022/00316. 22: 2022/01/06. 43: 2023/10/24
51: G06F; G09F; G06Q
71: JCDECAUX SE
72: BERTRAND, LUDOVIC
33: FR 31: 21 00310 32: 2021-01-13
54: DIGITAL DISPLAY METHOD AND SYSTEM, DIGITAL DISPLAY DEVICE AND DIGITAL DISPLAY SERVER
00: -
A digital display method for controlling the display of digital content items by digital display devices (2), comprising: generating, by a server (7), playlists comprising digital content identifiers and download manifests comprising loading addresses of digital content items; updating the playlists and download manifests of digital display devices from the server; reading, by each digital display device, the digital content items corresponding to its playlist.



21: 2022/00540. 22: 2022/01/11. 43: 2023/10/03
51: B65G
71: MAF AGROBOTIC
72: BLANC, PHILIPPE
33: FR 31: FR1906611 32: 2019-06-19
54: PROCESS AND SYSTEM FOR CONVEYING FRUIT AND VEGETABLES WITH AN ORIENTED STALK
00: -
The invention concerns a method for transporting objects belonging to the group of fruits and vegetables with a stalk, characterised in that it comprises the following steps: - conveying a plurality of objects (18) on a conveyor line (12) in a longitudinal forward direction (14), each conveyed object being carried by a support (16) that is moved by the conveyor line (12) according to its longitudinal forward movement, - rotating at least one support (16) supporting an object (18) in such a way as to cause the object to rotate about a non-horizontal axis and give its stalk (18a) a predetermined geometric orientation.



21: 2022/00581. 22: 2022/01/12. 43: 2023/10/24
51: G06F; A63F; G07F
71: CLEMTEK, LLC
72: CLEMONS, CHRISTOPHER ANTHONY
33: US 31: 14/724,549 32: 2015-05-28
54: GAMING VIDEO PROCESSING SYSTEM
00: -
A system comprising an optically transparent enclosure, an electronic gaming machine disposed in the enclosure, a plurality of LED light sources coupled to the electronic gaming machine, and an image control system. The image control system is connected to the LED light sources to generate a video or image on the enclosure to conceal the electronic gaming machine. The LED light sources may be attached to the panel. The panel may be disposed on the enclosure. The system may include a plurality of sensors on the enclosure to allow a player to play the electronic gaming machine disposed therein. The system may include a touchscreen and a keypad on the enclosure to allow a player to play the electronic gaming machine disposed therein.

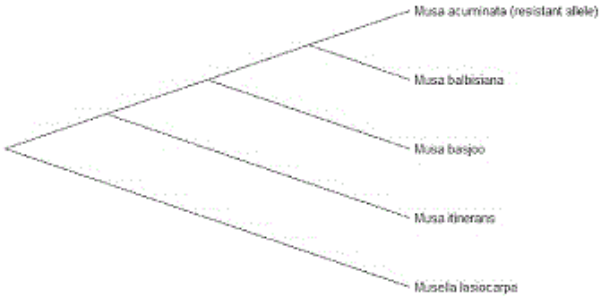


21: 2022/00835. 22: 2022/01/18. 43: 2023/10/18
51: C12N
71: EG CROP SCIENCE, INC.
72: MESSIER, WALTER
33: US 31: 62/866,872 32: 2019-06-26
33: US 31: 62/912,010 32: 2019-10-07
54: IDENTIFICATION OF RESISTANCE GENES FROM WILD RELATIVES OF BANANA AND

THEIR USES IN CONTROLLING PANAMA DISEASE

00: -

The present disclosure provides compositions and methods for providing broad-based resistance to fungal pathogens, such as a Fusarium fungi, and plants derived therefrom.

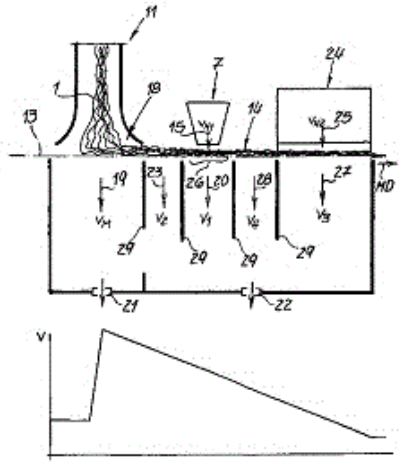


21: 2022/00958. 22: 2022/01/20. 43: 2023/10/24
51: D04H; D01D; D01F
71: ASAHI KASEI KABUSHIKI KAISHA, REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK
72: ZEISHO, KAZUYA, WAGNER, TOBIAS, SOMMER, SEBASTIAN, BOHL, PATRICK, GEUS, HANS-GEORG
33: EP 31: 19189240.5 32: 2019-07-30

54: METHOD AND APPARATUS FOR PRODUCING A NONWOVEN FABRIC MADE OF CRIMPED SYNTHETIC FIBERS

00: -

A method for producing a nonwoven fabric made of crimped synthetic fibers, wherein the synthetic fibers are spun and are deposited on a conveyor as a nonwoven web. The deposited nonwoven web is pre-bonded by means of at least one first hot-air bonding device, wherein a main suction air is sucked from below through the conveyor in the area of fiber deposition. A first suction air is sucked from below through the conveyor in the region of the first hot-air bonding device. The air speed of the main suction air is greater than the air speed of the first suction air.

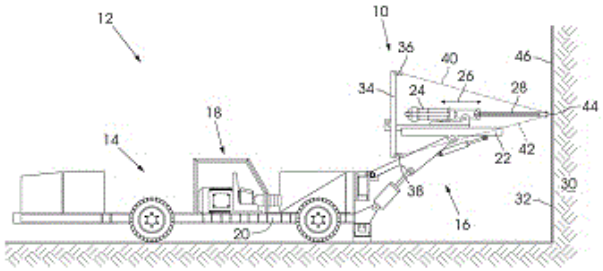


21: 2022/01432. 22: 2022/01/31. 43: 2023/10/19
51: E21B, E21C, E21D, H01S
71: PRETORIUS, MARTIN ANDRÉ
72: PRETORIUS, MARTIN ANDRÉ
33: ZA 31: 2021/00492 32: 2021-01-25

54: LASER GUIDE SYSTEM

00: -

A guide system 10, drilling apparatus or system 12 and method of using same, to drill holes in a rock face 32 for receiving rock bolts or explosive charges therein. The guide system 10 comprises at least first and second optical sources (36, 38) fixed to a base 34, and operatively projecting first and second optical beams (40, 42) respectively. The arrangement is such that the first and second optical beams (40, 42) converge at a predetermined point 44 which will be located on a reference surface 46 when the base 34 is arranged in accordance with a predetermined alignment. The drilling system 12 comprises a drilling apparatus base 22, which is displaceably supported relative to a main structure 20, with a drilling apparatus 24 fixed to the drilling apparatus base. The drilling system 12 also comprises the guide system 10 fixed relative to the drilling apparatus base 22.



21: 2022/01433. 22: 2022/01/31. 43: 2023/10/19
51: E21B; E21C; E21D; G06G
71: PRETORIUS, MARTIN ANDRÉ
72: PRETORIUS, MARTIN ANDRÉ
33: ZA 31: 2021/00493 32: 2021-01-25
54: BOOM CONTROL SYSTEM
00: -
A control system 10, typically used for controlling displacement of displaceable structures 22, such as booms 24 of underground mining equipment 12, which booms 24 are typically displaced by means of at least first and second actuators 32. The control system 10 comprises a local control module 40 and at least first and second linear measuring devices 38, such as linear variable inductive transducers, associated with the first and second actuators 32, respectively. The system 10 is configured such that the first and second linear measuring devices 38 are provided in communication with the local control module 40, to provide real-time feedback to the local control module, pertaining to a linear position of the first and second actuators respectively 38. This allows the local control module 40 to determine a position of the displaceable structure 22.

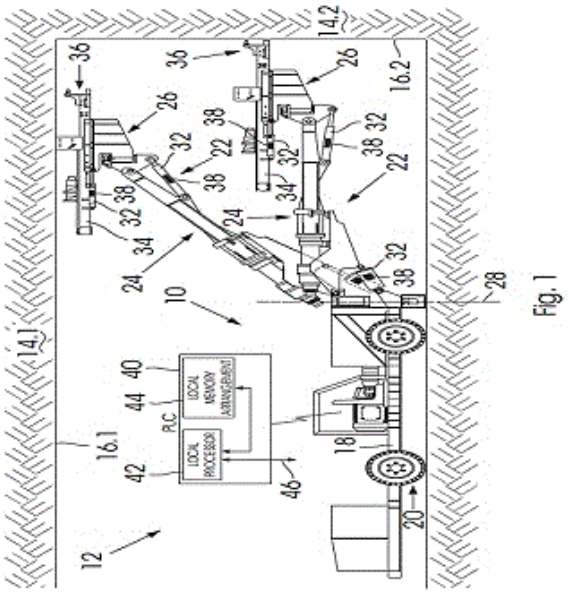
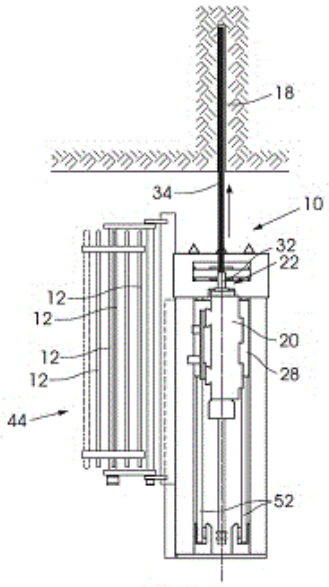


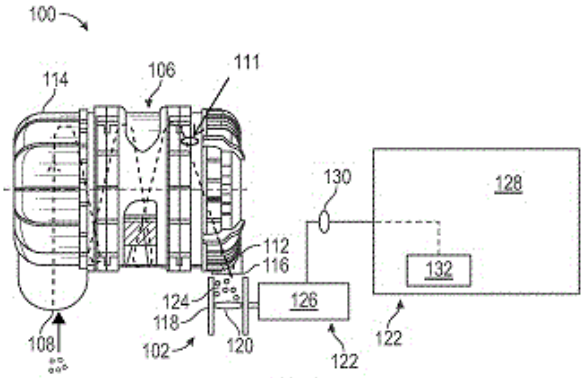
Fig. 1

21: 2022/01434. 22: 2022/01/31. 43: 2023/10/18
51: E21B; E21C; E21D
71: PRETORIUS, MARTIN ANDRÉ
72: PRETORIUS, MARTIN ANDRÉ
33: ZA 31: 2021/00494 32: 2021-01-25
54: ROOF BOLT DRILL SYSTEM
00: -
A system 10 for installing (by drilling and inserting into a rock body) a rock bolt 12, and comprises a driver mechanism 20 which is mounted relative to a main structure 26, such that the driver mechanism is displaceable relative to the main structure, in an axial direction of an output drive 22 of the driver mechanism. The driver mechanism is associated with a coupling mechanism 32, which is provided for releasably coupling the output drive to an object, such as a drill bit 34 or the rock bolt 12. The system also comprises a loading mechanism 36 defining at least first and second distinct locations, and being displaceable between at least a first position in which the first distinct location is axially aligned with the coupling mechanism, and a second position, in which the second distinct location is axially aligned with the coupling mechanism.

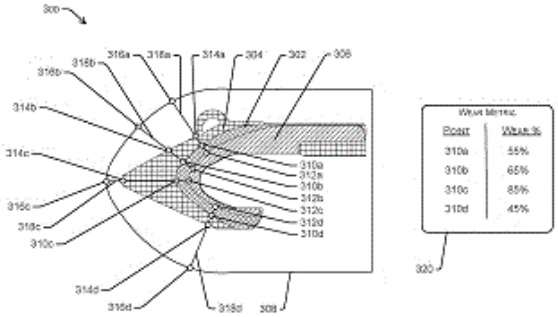


21: 2022/01548. 22: 2022/02/03. 43: 2023/10/24
51: F02M; B01D
71: CATERPILLAR INC.
72: SPENGLER, PHILIP C, RIES, JEFFREY R, IMMEL, JON T, RODRIGUEZ, JAVIER A
33: US 31: 16/534,706 32: 2019-08-07
54: ACTUATED AIR FILTER DUST VALVE
00: -
An air intake system (100) may include an engine air cleaner (106) having a dust valve (102). The intake system may be configured for arrangement on the engine. The dust valve may also be operable to

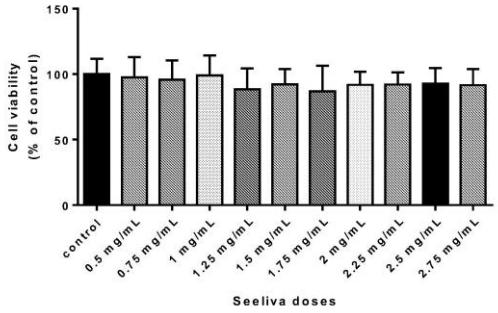
open or close based on operating characteristics of the engine.



21: 2022/01620. 22: 2022/02/07. 43: 2023/10/24
51: E02F
71: CATERPILLAR INC.
72: CAMPOMANES, PATRICK S, HARTOONIAN, GRAHAM R, MCCAFFREY , BRANDON H
33: US 31: 16/537,269 32: 2019-08-09
54: METHODS AND SYSTEMS FOR DETERMINING PART WEAR USING A BOUNDING MODEL
00: -
A method for determining part wear, such as using a wear metric, includes receiving, from a sensor (108, 110), sensor data representing a surface of a wear part (116). The method further includes determining distances between measured points (310) in the sensor data and points on one or more part models, which part models (214, 216) may include new part models (214) and/or worn or wear limit part models (216). The method further includes using a bounding model (222) that at least partially envelopes the part model(s) (214, 216) and the measured points (310) to determine a direction along which the distances are measured. The method may also include quantifying wear using the measured distances.



21: 2022/01669. 22: 2022/02/08. 43: 2023/10/19
51: A61K; A61P
71: Sintetica S.A.
72: MITIDIERI, Augusto, DONATI, Elisabetta, BIANCHI, Clara, PICCAGLI, Barbara
33: US 31: 62/886,706 32: 2019-08-14
54: INTRATHECAL ADMINISTRATION OF LEVETIRACETAM
00: -
Methods of treatment, pharmaceutically acceptable solutions, and implantable devices are provided for the intrathecal treatment of AED-resistant seizures using levetiracetam.



21: 2022/01833. 22: 2022/02/11. 43: 2023/10/24
51: C22C; B32B; C22F
71: NOVELIS KOBLENZ GMBH
72: DAVIDKOV, ALEKSANDAR LOZANOV, BÜRGER, ACHIM, SPANGEL, SABINE MARIA, MEYER, PHILIPPE
33: EP 31: 19193108.8 32: 2019-08-22
54: CLAD 2XXX-SERIES AEROSPACE PRODUCT
00: -
The invention relates to a rolled composite aerospace product comprising a 2XXX-series core layer and a 6XXX-series aluminium alloy clad layer coupled to at least one surface of the 2XXX-series core layer, wherein the 6XXX-series aluminium alloy comprises, in wt.%, Si 0.3% to 1.0%, Mg 0.3% to 1.1%, Mn 0.04% to 1.0%, Fe 0.03% to 0.4%, Cu up to 0.10%, Cr up to 0.25%, V up to 0.2%, Zr up to 0.2%, Zn up to 0.5%, Ti up to 0.15%, unavoidable impurities each <0.05%, total <0.15%, balance aluminium. The invention further relates to a method of manufacturing such a rolled composite aerospace product

21: 2022/01883. 22: 2022/02/14. 43: 2023/10/24
51: E02F; E21C; A01B
71: CATERPILLAR INC.
72: SERRURIER, DOUGLAS C, SINN, ERIC T, JURA, JASON GRANT, WELLS, COREY MICHAEL
33: US 31: 62/887,745 32: 2019-08-16
54: RETAINER SLEEVE DESIGN WITH ANTI-ROTATION FEATURES FOR A GROUND ENGAGING TOOL
00: -
A retainer sleeve (400) includes an at least partially annular body (402) defining an axis of rotation (404), a radial direction (406), and a circumferential direction (408). The body (402)may also have a radially inner annular surface (410) defining a radially inner aperture (413), and a first anti-rotation feature (412) extending radially inwardly from the radially inner annular surface (410) including a sloping ledge (414) having a locking surface (416) that faces at least partially in the circumferential direction (408) and along a direction that is parallel to the axis of rotation (404), forming an oblique angle (436) with the direction that is parallel to the axis of rotation (404).

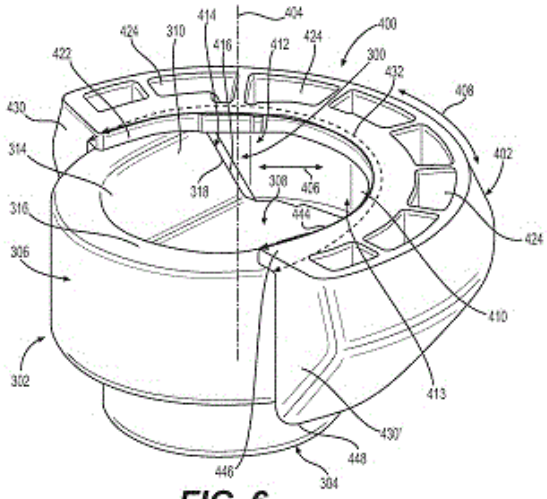


FIG. 6

21: 2022/01889. 22: 2022/02/14. 43: 2023/10/24
51: A61K; G01N; A61P
71: RIGSHOSPITALET, UNIVERSITY OF COPENHAGEN, FLUOGUIDE A/S
72: KJAER, ANDREAS, JUHL, KARINA, KURBEGOVIC, SOREL, PLOUG, MICHAEL, JØRGEN JENSEN, KNUD, KILDEGAARD SØRENSEN, KASPER, CHRISTENSEN, ANDERS, ALBRECHTSEN, MORTEN
33: SE 31: 1950898-5 32: 2019-07-16
54: A UROKINASE PLASMINOGEN ACTIVATOR RECEPTOR-TARGETING PEPTIDE
00: -
The present invention describes a uPAR-targeting peptide conjugate comprising a fluorophore, a peptide binding to uPAR and a linker group which are connected by covalent bonds, wherein the uPAR-targeting peptide conjugate may be used as fluorescence probe in real time optical imaging and delineation of cancer tumors or metastases during surgery.

21: 2022/01976. 22: 2022/02/16. 43: 2023/11/13
51: A24F; A61M
71: PHILIP MORRIS PRODUCTS S.A.
72: CAMPITELLI, Gennaro
33: EP 31: 19205453.4 32: 2019-10-25
54: INHALER ARTICLE WITH FOLDED DISTAL END
00: -
An inhaler article (150) includes a body extending along a longitudinal axis from a mouthpiece end (154) to a distal end (156), a capsule cavity (155) defined within the body and a capsule disposed

within the capsule cavity. The capsule cavity is bounded downstream by a filter element and bounded upstream and distally by a deformable element (158) the deformable element deforms to expose an open distal end and allow the inhaler article to receive swirling or rotational inhalation airflow during consumption.

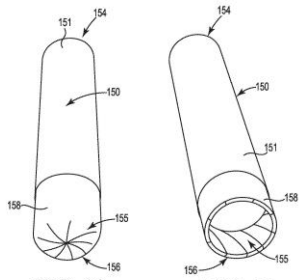
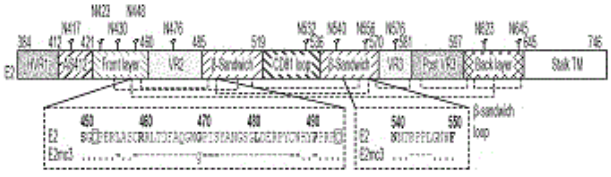
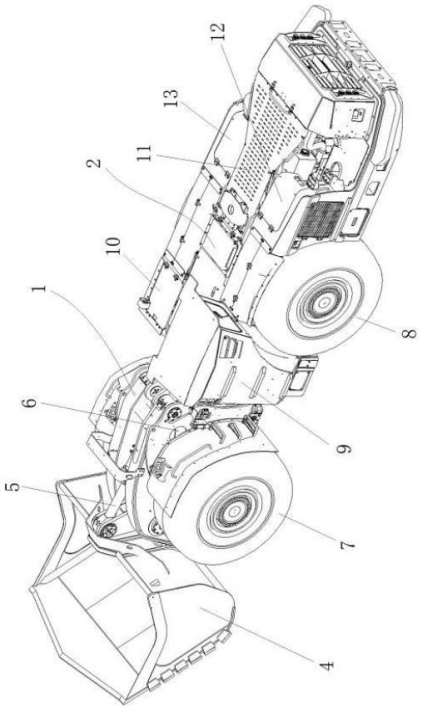


FIG. 2A FIG. 2B

21: 2022/02180. 22: 2022/02/21. 43: 2023/10/24
51: A61P; C12N; C07K; A61K
71: THE SCRIPPS RESEARCH INSTITUTE
72: HE, LINLING, ZHU, JIANG, GIANG, ERICK, LAW, MANSUN, WILSON, IAN, TZARUM, NETANEL
33: US 31: 62/879,100 32: 2019-07-26
54: ENGINEERED HCV E2 IMMUNOGENS AND RELATED VACCINE COMPOSITIONS
00: -
The present invention provides novel engineered HCV E2 polypeptide immunogens and related vaccine compositions that display the engineered E2 polypeptides. The invention also provides methods of using such immunogens and vaccine compositions in various therapeutic applications, e.g., for preventing or treating HCV infections.



21: 2022/02223. 22: 2022/02/22. 43: 2023/09/27
51: B60P; B62D; E02F
71: YANTAI XINGYE MACHINERY CO., LTD.
72: Xi, Sui, Ziqing, Sui, Lin, Zhan, Yunlong, Wang, Shuai, Sun
33: CN 31: 202121991533.2 32: 2021-08-23
54: A LOADING-HAULING-DUMPING (LHD) MACHINE
00: -
The invention provides an underground LHD, belonging to the technical field of vehicle engineering. The underground LHD comprises a front frame and a rear frame. The front frame and the rear frame are articulated through a bearing device. The described bearing assembly include: link set and through the set of pin shaft, in the pin shaft position is equipped with the bearing inner ring, in the bearing inner ring position is equipped with the bearing outer ring, the connection set is installed in the bearing outer ring; the two ends of the connecting sleeve are respectively connected with a pressure plate that can be adjusted by axial movement, and the pressure plate is crimped at the end of the bearing outer ring, and the mating surface between the bearing inner ring and the bearing outer ring is an inclined plane.



21: 2022/02322. 22: 2022/02/23. 43: 2023/10/24
51: A61K; A61P; C12N
71: FEDERAL STATE BUDGETARY INSTITUTION "NATIONAL RESEARCH CENTRE FOR EPIDEMIOLOGY AND MICROBIOLOGY NAMED AFTER THE HONORARY ACADEMICIAN N.F. GAMALEYA" OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION
72: ZUBKOVA, OLGA VADIMOVNA, OZHAROVSKAIA, TATIANA ANDREEVNA, DOLZHIKOVA, INNA VADIMOVNA, POPOVA,

OLGA, SHCHEBLIAKOV, DMITRII VIKTOROVICH, GROUSOVA, DARIA MIKHAILOVNA, DZHARULLAEVA, ALINA SHAHMIROVNA, TUKHVATULIN, AMIR ILDAROVICH, TUKHVATULINA, NATALIA MIKHAILOVNA, SHCHERBININ, DMITRII NIKOLAEVICH, ESMAGAMBETOV, ILIAS BULATOVICH, TOKARSKAYA, ELIZAVETA ALEXANDROVNA, BOTIKOV, ANDREI GENNADEVICH, EROXOVA, ALINA SERGEEVNA, NIKITENKO, NATALIA ANATOLEVNA, SEMIKHIN, ALEKSANDR SERGEEVICH, BORISEVICH, SERGEY VLADIMIROVICH, NARODITSKY, BORIS SAVELIEVICH, LOGUNOV, DENIS YURYEVICH, GINTSBURG, ALEKSANDR LEONIDOVICH
33: RU 31: 2020127979 32: 2020-08-22

54: EXPRESSION VECTOR AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2

00: -

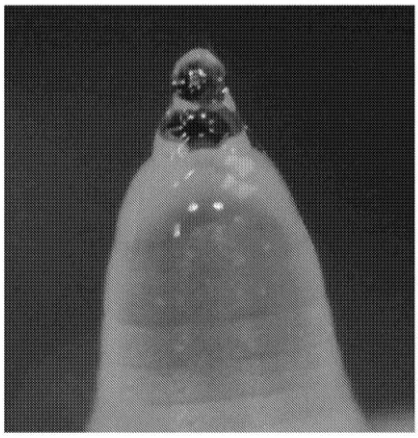
The invention relates to biotechnology, immunology and virology. There is created an expression vector containing the genome of recombinant human adenovirus serotype 26, wherein the E1 and E3 regions are deleted, and the ORF6-Ad26 region is replaced by ORF6-Ad5, with an integrated expression cassette selected from SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3 (variant 1). Therein, the sequence SEQ ID NO: 5 was used as a parental sequence of human adenovirus serotype 26. Further, there is created an expression vector, containing the genome of recombinant simian adenovirus serotype 25, wherein the E1 and E3 regions are deleted, with an integrated expression cassette selected from SEQ ID NO: 4, SEQ ID NO: 2, SEQ ID NO: 3 (variant 2). Therein, the sequence SEQ ID NO: 6 was used as a parental sequence of simian adenovirus serotype 25. Furthermore, there is created an there is created containing the genome of recombinant human adenovirus serotype 5, wherein the E1 and E3 regions are deleted, with an integrated expression cassette selected from SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3 (variant 3). Therein, the sequence SEQ ID NO: 7 was used as a parental sequence of human adenovirus serotype 5. There is also developed a method of utilization of the developed expression vector for creating an immunobiological agent for the induction of specific immunity against severe acute respiratory syndrome virus SARS-CoV-2.

21: 2022/02383. 22: 2022/02/24. 43: 2023/11/09
51: A61K; A61M
71: INNOTURE IP LIMITED
72: BAMSEY, Ryan, CAMELIU ICHIM, Ionut
33: GB 31: 1911910.6 32: 2019-08-20

54: METHOD FOR MAKING MICRONEEDLES USING A HIGH VISCOSITY COMPOSITION

00: -

The present invention provides a novel method for manufacturing a microstructure via the use of a viscous polymer, particularly microstructures that may be found on medical devices, such as transdermal patches, for either cosmetic or medicinal purposes.



21: 2022/02506. 22: 2022/02/28. 43: 2023/10/24
51: G07D; G07F; B65B; E05G
71: CIMA S.P.A.
72: RAZZABONI, NICOLETTA, RAZZABONI, VITTORIO
33: IT 31: 102019000015638 32: 2019-09-05

54: A SYSTEM FOR THE SAFE COUPLING OF A RE-USABLE BAG TO A BANKNOTE HANDLING AND STORING MACHINE AND RELEVANT USE METHOD

00: -

A system for the safe coupling of a re-usable bag to a banknote handling and storing machine, comprising a bag container (13), comprised of an upper rigid mouth (15), of a flexible bag (14) permanently fixed to said rigid mouth (15) and of a lid (16) for closing said rigid mouth (15), and a bag-holding frame (17), suitable for being stably fixed to a safe structure of the machine, for supporting and hooking the bag container (13) when placed inside the machine to be filled in with the banknotes, is

provided with coupling and hooking electromechanical means between the bag container (13) and the bag-holding frame (17); the lid (16) for closing said rigid mouth (15) is further provided with means suitable to allow, on command, the banknotes passing from the machine to the bag (14) through the closed lid when the bag container (13) is correctly inserted inside the machine.

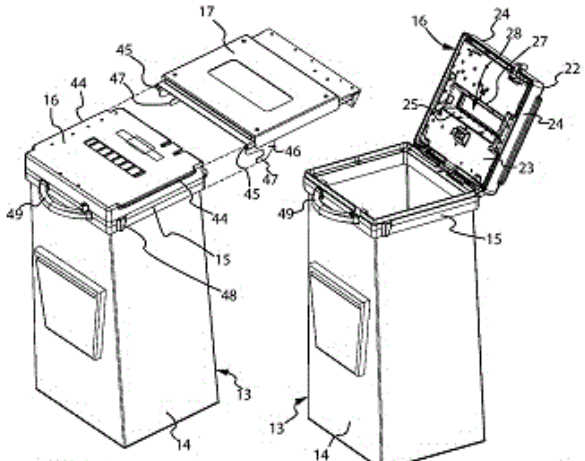
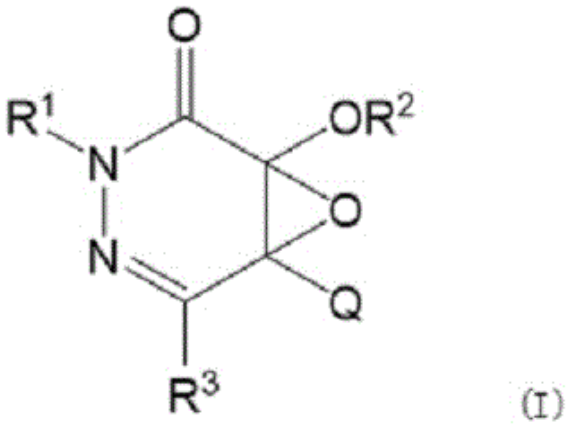


Fig. 3 Fig. 4

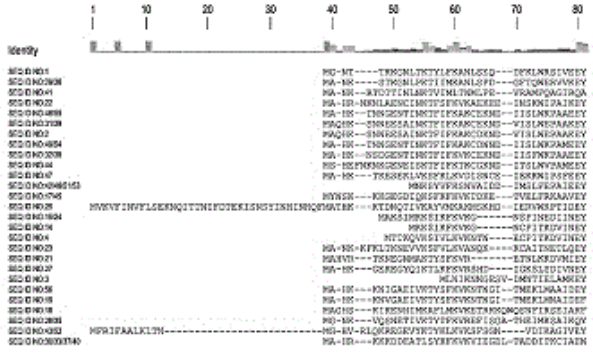
21: 2022/02601. 22: 2022/03/03. 43: 2023/10/25
51: A23L; A47G; A47J
71: UNIVERSITY OF PRETORIA
72: NEKHUDZHIGA, Humbulani, MAPENGO, Clarity
33: ZA 31: 2020/07799 32: 2020-12-15
54: PROCESSING OF COMMERCIALLY REJECTED FRESH PRODUCE
00: -
A method of processing commercially rejected fresh produce to manufacture a product is provided. The method includes forming a puree of commercially rejected fresh produce, devoid of synthetic substances, into a predetermined shape, thus obtaining shaped puree. The method also includes dehydrating the shaped puree. The method is characterised in that the puree is formed into the predetermined shape after heat processing i.e. extrusion cooking.

21: 2022/02619. 22: 2022/03/03. 43: 2023/11/06
51: A61K; C07D
71: NIROGY THERAPEUTICS, INC.
72: SANDANAYAKA, Vincent, GORECZNY, Gregory
33: US 31: 62/905,606 32: 2019-09-25
54: BICYCLIC CARBOXYLATES AS MODULATORS OF TRANSPORTERS AND USES THEREOF
00: -
The present invention generally relates to the field of transporter modulators, e.g., monocarboxylate transporter inhibitors, and more particularly to new bicyclic enone carboxylate compounds, the synthesis and use of these compounds and their pharmaceutical compositions, e.g., in the treatment, modulation and/or prevention of physiological conditions associated with monocarboxylate transporter activity such as in treating cancer and other neoplastic disorders, tissue and organ transplant rejection.

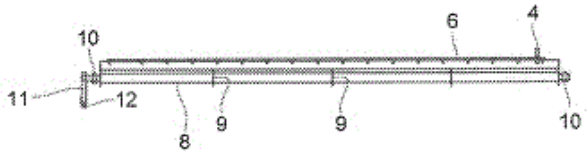
21: 2022/02626. 22: 2022/03/03. 43: 2023/10/04
51: A01M; C07D; A01P; A01N
71: NIPPON SODA CO., LTD.
72: MIHARA, KEN, IKEDA, YOJI, TAKI, YUKINA, KATO, KAZUSHIGE, OOKA, HIROHITO, FUJII, KAZUSHIGE
33: JP 31: 2019-174531 32: 2019-09-25
54: 7-OXA-3,4-DIAZABICYCLO [4.1.0] HEPT-4-EN-2-ONE COMPOUND AND HERBICIDE
00: -
A compound represented by a formula (I) or a salt thereof, and a herbicide containing at least one selected from them as an active ingredient: wherein R1 represents a substituted or unsubstituted C1-6 alkyl group or the like, R2 represents a substituted or unsubstituted C1-6 alkyl group or the like, R3 represents a hydrogen atom, a substituted or unsubstituted C1-6 alkyl group or the like, and Q represents a substituted or unsubstituted phenyl group or the like.



21: 2022/02628. 22: 2022/03/03. 43: 2023/10/04
51: A61K; C12N
71: ARBOR BIOTECHNOLOGIES, INC.
72: SCOTT, DAVID A, CHENG, DAVID R, YAN, WINSTON X, DITOMMASO, TIA M
33: US 31: 62/897,859 32: 2019-09-09
54: NOVEL CRISPR DNA TARGETING ENZYMES AND SYSTEMS
00: -
The disclosure describes novel systems, methods, and compositions for the manipulation of nucleic acids in a targeted fashion. The disclosure describes non-naturally occurring, engineered CRISPR systems, components, and methods for targeted modification of nucleic acids. Each system includes one or more protein components and one or more nucleic acid components that together target nucleic acids.

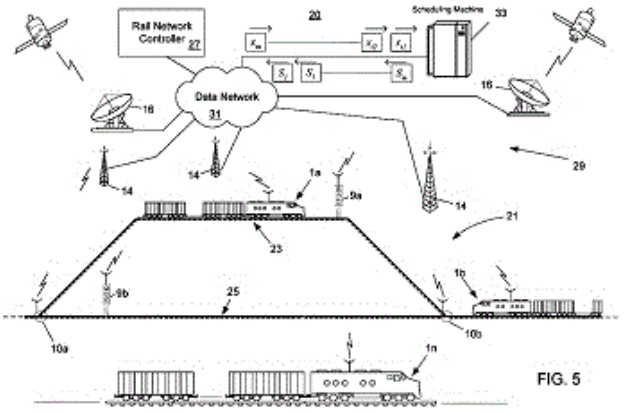


21: 2022/02629. 22: 2022/03/03. 43: 2023/10/04
51: B65G; C05F
71: JUA
72: SALLUSTRO, JEAN-LUC
33: FR 31: FR1909707 32: 2019-09-04
54: METHOD AND DEVICE FOR LOADING A MATERIAL IN LAYERS, AND SYSTEM COMPRISING SUCH A DEVICE
00: -
Disclosed are a method and a device for loading a material in layers, wherein: - a first fraction of said material intended to form a first layer is fed to a belt conveyor (1) located above a loading zone; - the conveyor is tilted about its longitudinal axis (2) such that the entire first fraction is poured onto a receiving zone in a receptacle, in particular a bin, silo or corridor, and thereby said first layer is formed; - a subsequent fraction of the material intended to form a next layer is fed to said conveyor (1); and - the conveyor is tilted about its longitudinal axis (2) such that the entire next layer is poured onto the receiving zone and thereby said next layer is formed.



21: 2022/02675. 22: 2022/03/04. 43: 2023/10/04
51: B61L
71: TECHNOLOGICAL RESOURCES PTY. LIMITED
72: VUJANIC, ROBIN, HILL, ANDREW JOHN, ROBERTSON, SHAUN THOMAS
33: AU 31: 2019903427 32: 2019-09-13
54: METHOD AND APPARATUS FOR OPERATION OF RAILWAY SYSTEMS
00: -
A method is provided for operating a railway network having a number of trains, the method comprises operating a scheduling machine that is in communication with the railway network over a data communication system, to receive time separated state data defining states of the railway network at respective times. The scheduling machine accesses a model of the railway network that is stored in an electronic data source. The model defines locations in the railway network that allows for passing of trains and paths for journeys of each of the trains. The method includes operating the scheduling machine to apply the state data to the model to determine, at each of the respective times, controls associated with each trains' path for each of t e trains. The scheduling machine is operated to

determine the controls by optimizing a objective function for the trains, such as minimizing total travel time of the trains, taking into account the locations in the network, positions of the trains and paths of each of the trains. The controls are transmitted, via the data communication system, to control movement of the trains, for example by operation of railway network switches (points) and signal lights, through the railway network based on the controls.

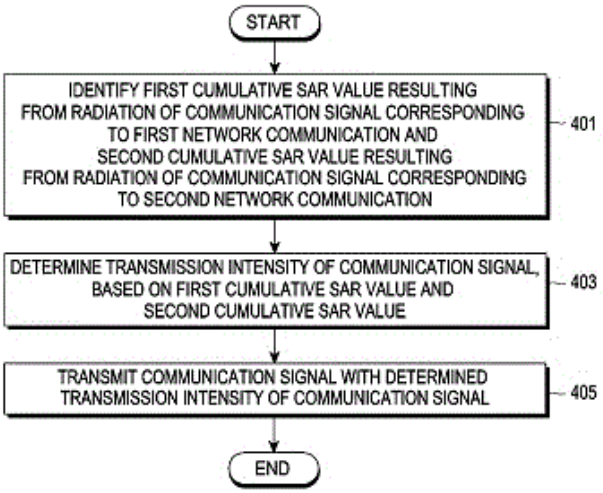


21: 2022/02736. 22: 2022/03/07. 43: 2023/10/24
51: H04W
71: SAMSUNG ELECTRONICS CO., LTD.
72: CHA, JAEMOON, KIM, SEONYUN, LEE, YEONJOO, PARK, SUYOUNG, HWANG, SUNMIN
33: KR 31: 10-2019-0099812 32: 2019-08-14

54: ELECTRONIC DEVICE FOR ADJUSTING TRANSMISSION POWER BASED ON SAR AND METHOD FOR OPERATING SAME

00: -

An electronic device according to various embodiments may include: at least one antenna; and at least one communication processor configured to support first network communication with a first network and second network communication with a second network different from the first network. The at least one communication processor may be configured to: identify a first cumulative SAR value based on radiation of a communication signal corresponding to the first network communication via a first part of the at least one antenna and a second cumulative SAR value based on radiation of a communication signal corresponding to the second network communication via a second part of the at least one antenna; and adjust one of a transmission intensity of a first communication signal corresponding to the first network communication or a transmission intensity of a second communication signal corresponding to the second network communication, based on a designated condition satisfied by the first cumulative SAR value and the second cumulative SAR value.



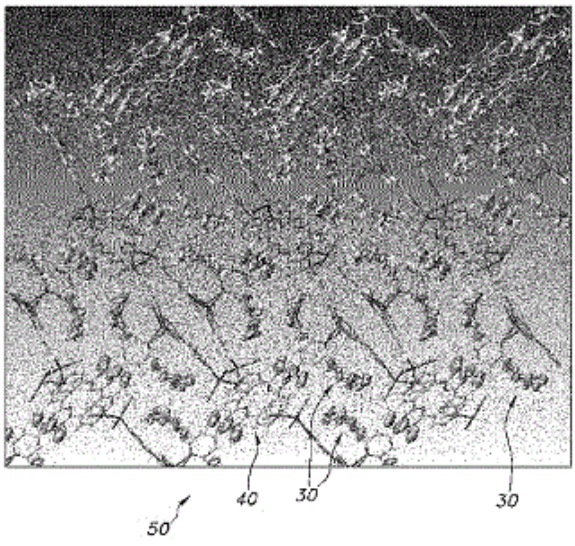
21: 2022/02737. 22: 2022/03/07. 43: 2023/10/04
51: G01N
71: MERCK PATENT GMBH
72: HIERSE, WOLFGANG
33: EP 31: 19194201.0 32: 2019-08-28
33: EP 31: PCT/EP2019/073021 32: 2019-08-28

54: OPTIMIZED ANALYTE DERIVATIZATION FOR SYNERGISTIC APPLICATION WITH CRYSTAL SPONGE METHOD

00: -

The invention provides a sample preparation method (100) comprising: providing a sample (10) comprising an organic molecule (20), wherein the organic molecule (20) comprises a target group (21), wherein the target group (21) is a nucleophilic group and/or an acidic group; a derivatization stage (110) comprising: derivatizing the target group (21) of the organic molecule (20) with a moiety (31) comprising one or more of (i) a hydrocarbon comprising group and (ii) a 3rd period atom comprising group, wherein the 3rd period atom is selected from the group consisting of Si, P, and S, thereby providing a derivatized organic molecule (30); a separation stage (120) comprising: subjecting the sample (10) to a separation process to provide a fraction (35) comprising the derivatized organic molecule (30);

and a preparation stage (130) comprising: introducing the derivatized organic molecule (30) into a porous single crystal (40), to provide a derivatized organic molecule doped porous single crystal (50).

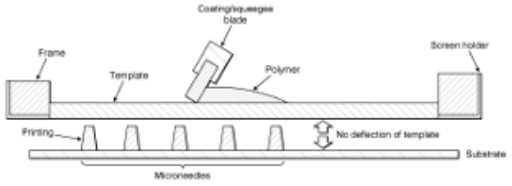


21: 2022/02743. 22: 2022/03/07. 43: 2023/11/13
51: A61M; B29C; B33Y
71: INNOTURE IP LIMITED
72: BAMSEY, Ryan, CAMELIU ICHIM, Ionut
33: GB 31: 1911909.8 32: 2019-08-20

54: METHOD OF MANUFACTURING MICROSTRUCTURES

00: -

The present invention provides a novel method for manufacturing a microstructure via the use of a deep template, particularly microstructures that may be found on medical devices, such as transdermal patches, for either cosmetic or medicinal purposes.

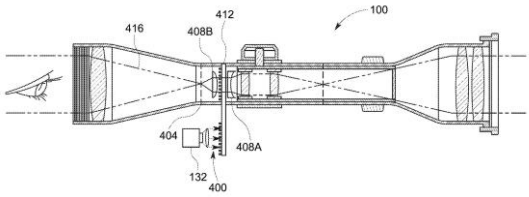


21: 2022/02821. 22: 2022/03/09. 43: 2023/11/13
51: F41G; G02B
71: MARSUPIAL HOLDINGS, INC.
72: PARKER, William, STRAUSS, Michael
33: US 31: 62/764,725 32: 2018-08-15
33: US 31: 62/790,294 32: 2019-01-09

54: DIRECT ENHANCED VIEW OPTIC

00: -

A direct enhanced view optic (DEVO) provides a user with enhanced target acquisition information, such as real time ballistic solutions, fused thermal imaging, extended zoom, and automatic target recognition. The direct view optic may include an optical device having a front objective, a rear ocular exit, and a waveguide. The front objective and the rear ocular exit may be separated by the waveguide, and the optical device provides a distant image onto a display. A diffractive based holographic display system is coupled to the optical device, and the holographic display system provides a see-through information overlay on the display.



21: 2022/02986. 22: 2022/03/11. 43: 2023/10/11
51: C12N; A61K; C12R
71: FEDERAL STATE BUDGETARY INSTITUTION "NATIONAL RESEARCH CENTRE FOR EPIDEMIOLOGY AND MICROBIOLOGY NAMED AFTER THE HONORARY ACADEMICIAN N.F. GAMALEYA" OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION
72: ZUBKOVA, OLGA VADIMOVNA, OZHAROVSKAIA, TATIANA ANDREEVNA, DOLZHIKOVA, INNA VADIMOVNA, POPOVA, OLGA, SHCHEBLIAKOV, DMITRII VIKTOROVICH, GROUSOVA, DARIA MIKHAILOVNA, DZHARULLAEVA, ALINA SHAHMIROVNA, TUKHVATULIN, AMIR ILDAROVICH, TUKHVATULINA, NATALIA MIKHAILOVNA, SHCHERBININ, DMITRII NIKOLAEVICH, ESMAGAMBETOV, ILIAS BULATOVICH, TOKARSKAYA, ELIZAVETA ALEXANDROVNA, BOTIKOV, ANDREI GENNADEVICH, EROKHOVA, ALINA SERGEEVNA, IZHAEVA, FATIMA MAGOMETOVNA, NIKITENKO, NATALIA ANATOLEVNA, LUBENETS , NADEZHDA LEONIDOVNA , SEMIKHIN, ALEKSANDR SERGEEVICH, BORISEVICH, SERGEY VLADIMIROVICH, NARODITSKY, BORIS SAVELIEVICH, LOGUNOV, DENIS YURYEVICH, GINTSBURG, ALEKSANDR LEONIDOVICH
33: RU 31: 2021103099 32: 2021-02-09

54: AGENT FOR INDUCTION OF SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS (SARS-COV-2) IN LIQUID FORM (VERSIONS)

00: -

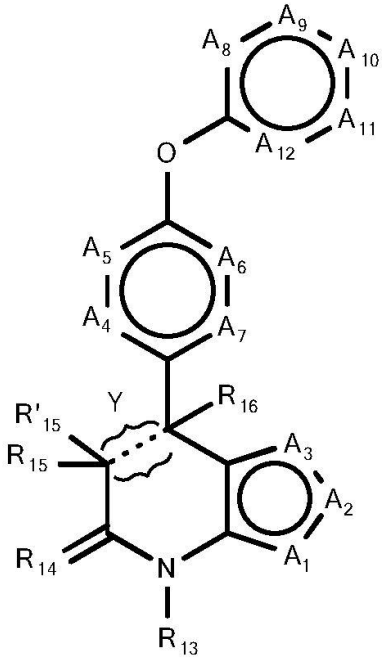
The invention relates to a biomolecule agent for inducing specific immunity against severe acute respiratory syndrome virus SARS-CoV-2, in liquid form, which contains a single active component, comprising the expression vector including either: the genome of the recombinant strain of human adenovirus serotype 26 or 5, wherein the E1 and E3 regions are deleted, the vector with an integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, or SEQ ID NO:3; or the recombinant strain of simian adenovirus serotype 25, wherein the E1 and E3 regions are deleted, the vector with an integrated expression cassette selected from SEQ ID NO:4, SEQ ID NO:2, or SEQ ID NO:3. The recombinant strain of human adenovirus serotype 26 may include the ORF6-Ad26 region replaced by ORF6-Ad5. A buffer solution of the agent in liquid form contains the following, mass%: tris from 0.1831 to 0.3432; sodium chloride from 0.3313-0.6212; sucrose from 3.7821-7.0915; magnesium chloride hexahydrate from 0.0154-0.0289; EDTA from 0.0029-0.0054; polysorbate-80 from 0.0378-0.0709; ethanol 95% from 0.0004-0.0007; and water to fill. The agent can be administered via intranasal and/or intramuscular routes. The invention promotes humoral and cell-mediated immune responses against SARS-CoV-2 virus among broad strata of the population.

21: 2022/03025. 22: 2022/03/14. 43: 2023/11/30
51: A61K; C07D; A61P
71: LEAD PHARMA HOLDING B.V
72: LEMMERS, Jaap, Gerardus, Henricus, DERETEY, Eugen, KLOMP, Johannes, Petrus, Gerardus, CALS, Joseph, Maria Gerardus, OUBRIE, Arthur
33: EP 31: 19204189.5 32: 2019-10-18

54: ESTROGEN-RELATED RECEPTOR ALPHA (ERRα) MODULATORS

00: -

The present invention is directed to compounds according to Formula I and the pharmaceutically acceptable salts thereof. The compounds can be used as modulators of Estrogen-related Receptor alpha (ERRα) and have utility in the treatment of ERRα-mediated diseases or conditions. (I)



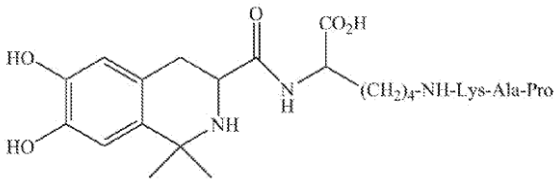
(I)

21: 2022/03140. 22: 2022/03/16. 43: 2023/11/02
51: A61K; C07D; A61P
71: LUMOSA THERAPEUTICS CO., LTD.
72: CHOU, David Chih-Kuang
33: US 31: 62/905,679 32: 2019-09-25

54: PHARMACEUTICAL COMPOSITION COMPRISING THROMBOLYTIC PEPTIDE-TETRAHYDROISOQUINOLINE CONJUGATE

00: -

The present invention provides a pharmaceutical composition comprising a binary conjugate, DC009, which is a conjugate of a thrombolytic peptide (Pro-Ala-Lys) and a tetrahydroisoquinoline compound having two C1-4 alkyl groups via a lysine linking arm, and a pharmaceutical acceptable carrier. The composition has a pH less than 6.5, preferably has a pH about pH 2-5.5 The composition may comprise a pharmaceutical acceptable excipient such as mannitol, sorbitol, sucrose, lactose, or trehalose.



21: 2022/03146. 22: 2022/03/16. 43: 2023/10/24
51: A01K
71: MARS, INCORPORATED
72: GOYON, ANNABELLE, VIALLE, SANDRINE, TREHIOU, MELANIE, MAO, MATHIEU, KING, TAMMIE, HUNT, ALYSIA, MARSHALL, EMILY, JONES, LEWIS
33: EP 31: 20173532.1 32: 2020-05-07
33: EP 31: 19206648.8 32: 2019-10-31
54: FOOD BOWL KIT
00: -
The present disclosure relates to a kit comprising: (i) a first part comprising a food bowl assembly including a first bowl having side walls and a base; a second feeding bowl disposed within the first bowl, the second feeding bowl having side walls and a solid base, the inner surface of said side walls and solid base being a closed surface; a separating module adapted to hold an olfactive product, the separating module being arranged to fit between the solid base of the second feeding bowl and the first bowl, and a vent arranged to allow odours from the separating module to exit the food bowl assembly between the first bowl and the side walls of the second feeding bowl so that odours do not pass through the second feeding bowl; and (ii) a second part comprising of a container comprising at least one olfactive product. A second aspect of the present disclosure relates to a kit as defined above for use in a method for to treat olfaction dysfunction, appetite loss or food aversion due to a disease or for treating and/or preventing a disease or disorder in an animal.

21: 2022/03174. 22: 2022/03/17. 43: 2023/10/25
51: E05D; E06B
71: KELLER, Izaan Louis
72: FOURIE, Waldo
33: ZA 31: 2021/01511 32: 2021-03-05
54: CORNER CONNECTOR ARRANGEMENT FOR A FENESTRATION SYSTEM
00: -
A corner connector arrangement for a fenestration system is provided, the corner connector arrangement comprising a bracket housing, which can be secured to the bottom corner of a panel of the fenestration system, the bracket housing comprising an elongate base plate and a pair of downwardly extending side support plates to support the base plate; a pair of spaced apart support flanges extending upwardly from the base plate, typically in line with the side support plates, each support flange defining a bolt holder aperture; a bolt holder extending through the bolt holder apertures so as to extend between the pair of spaced apart support flanges; and a bolt extending from the bolt holder towards an adjacent panel of the fenestration system, the bolt being securable to a connecting bracket fitted within the adjacent panel.

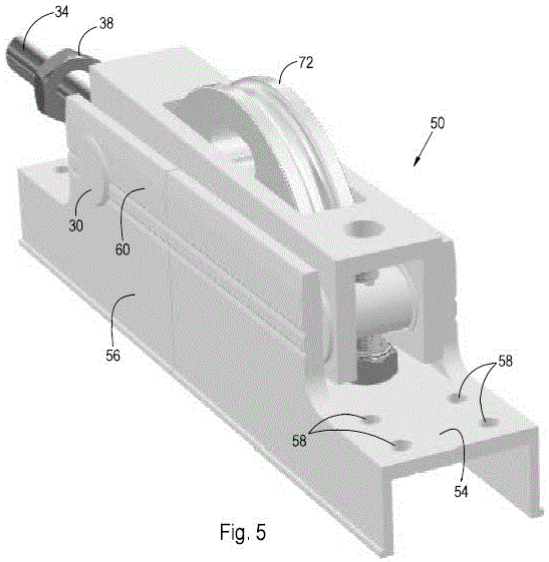
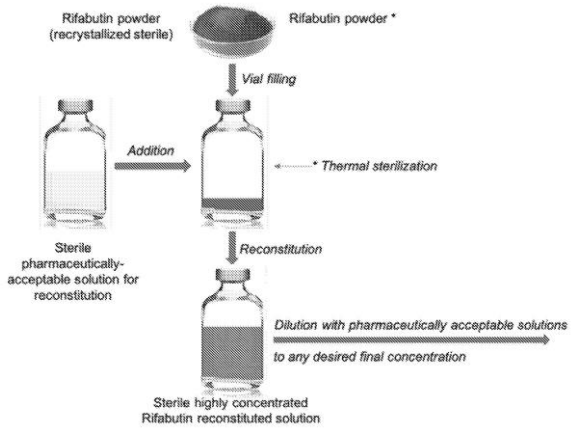


Fig. 5

21: 2022/03357. 22: 2022/03/22. 43: 2023/10/03
51: A61K; A61P
71: Bioversys AG
72: LOCIURO, Sergio, BIONDI, Stefano, DALE, Glenn E., BOUROTTE, Marilyne, GITZINGER, Marc
33: US 31: 62/899,257 32: 2019-09-12
54: RIFABUTIN TREATMENT METHODS, USES, AND COMPOSITIONS
00: -
A rifabutin formulation produced from a rifabutin powder in the presence of an acid, water, and a solvent suitable to promote dissolution of the rifabutin. A method of preparing a formulation of rifabutin, the method comprising: preparing a

solution comprising a solvent, water and an acid; and adding said solution to rifabutin powder, thereby causing the rifabutin to dissolve in the solution. A method of preparing a formulation of rifabutin, the method comprising: preparing a solution comprising water and an acid; and adding said solution to a rifabutin solution in a solvent, thereby producing an aqueous rifabutin formulation. A method of treating a bacterial infection in a subject, the method comprising administering a therapeutically effective amount of rifabutin in an injectable formulation or by inhalation.



21: 2022/03501. 22: 2022/03/25. 43: 2023/10/25
51: G06K; G07G; G08B
71: SUPERCART SOUTH AFRICA (PTY) LTD
72: WOLFE, Michael Castledine
33: ZA 31: 2021/01514 32: 2021-03-05
54: TROLLEY MANAGEMENT SYSTEM AND METHOD
00: -
A trolley management system for a plurality of trolleys is provided, each trolley having a unique digital identity linked to information that defines that particular trolley, the unique digital identity per trolley being carried on and/or integrated into the trolley, the system further including a wireless tag or sensor affixed to and/or embedded in each trolley (typically each trolley handle) to wirelessly transmit the unique digital identity for that particular trolley. In an embodiment, the digital identity provides all the relevant information pertaining to that particular trolley, such as the name/identity of the retail store that owns the trolley, the date on which the trolley was manufactured (and related manufacturing details) and delivered, the servicing date/s of the trolley (including the identity of the relevant field service technician), and any custom information required by the owner of the trolley.

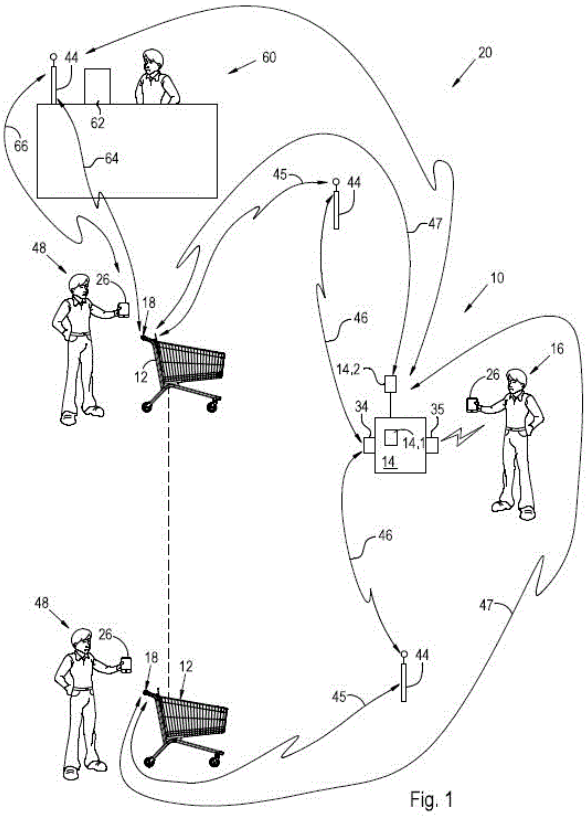
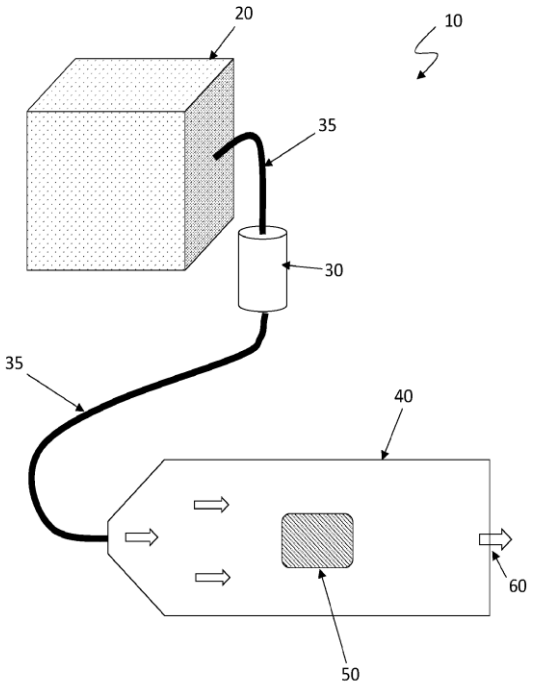


Fig. 1

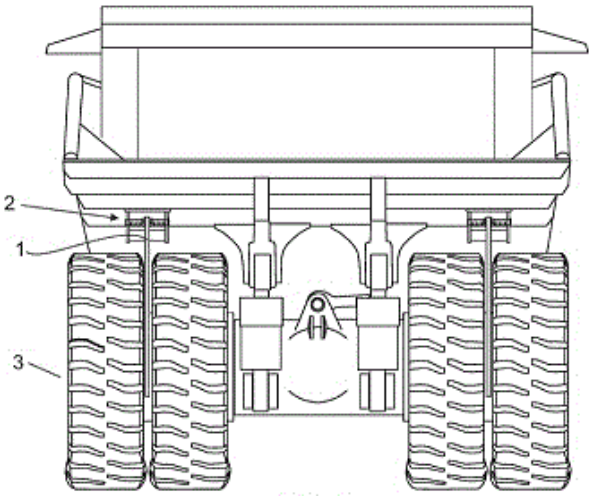
21: 2022/03603. 22: 2022/03/29. 43: 2023/10/24
51: C07C
71: LUNELLA BIOTECH, INC.
72: LISANTI, MICHAEL P, SOTGIA, FEDERICA
33: US 31: 62/471,688 32: 2017-03-15
54: MITORIBOSCINS: MITOCHONDRIAL-BASED THERAPEUTICS TARGETING CANCER CELLS, BACTERIA, AND PATHOGENIC YEAST
00: -
The present disclosure relates to methods of using mitoriboscins therapeutic compounds having anti-cancer and antibiotic properties - to prevent or treat cancer, microbial infections, and pathogenic yeast infections, as well as methods of using mitoriboscins to provide anti-aging benefits.

21: 2022/03771. 22: 2022/04/01. 43: 2023/11/29
51: B01D
71: BIOFOULING TECHNOLOGIES, INC.

72: MCMURRAY, Brian, SHARPE, Cliff, TERMINI, Mike, RALSTON, Emily, STEPHENS, Abraham, KASTER, Jerry, CALCUTT, Lindsey
33: US 31: 63/020,826 32: 2020-05-06
33: IB 31: PCT/US2019/059546 32: 2019-11-01
33: IB 31: PCT/US2020/022782 32: 2020-03-13
54: BIOFOULING PROTECTION OF ELEVATED VOLUME/VELOCITY FLOWS
00: -
Disclosed are devices, methods and/or systems for use in protecting items and/or structures that are exposed to, submerged and/or partially submerged in aquatic environments from contamination and/or fouling due to the incursion and/or colonization by specific types and/or kinds of biologic organisms and/or plants, including the protection from micro- and/or macro-fouling for extended periods of time of exposure to aquatic environments.

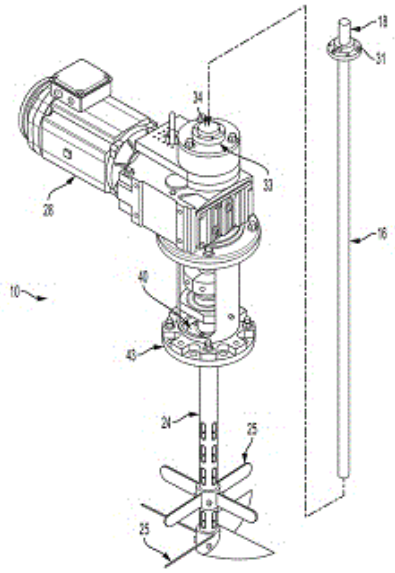


21: 2022/03865. 22: 2022/04/05. 43: 2023/10/24
51: B60S
71: AUSTIN ENGINEERING USA SERVICES, INC.
72: REYNOLDS, FREDERICK J, REYNOLDS, SETH JOSEPH EARL
33: US 31: 62/907,429 32: 2019-09-27
54: ADJUSTABLE ROCK KNOCKER BRACKET
00: -
A rock knocker bracket holds a rock ejector such as a chain or bar that is used to clear debris from the gap between two tires of a mining vehicle. The rock ejector is pivotally mounted on a horizontal, lateral pin that is held at both ends by side plates of the bracket. The pin has a series of holes formed along its length. Bar retainers and washers mounted on the pin allow the rock ejector to be moved laterally along the pin and thereby provide for different laterally spacing configurations of the tires. Fasteners pass through holes in the bar retainers and the holes in the pin to hold the rock ejector at a predetermined lateral location along the pin. Alternative designs for the pin and the bracket include other systems for laterally moving the rock ejector and mounting it in the predetermined lateral position.

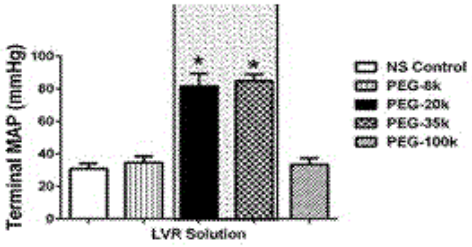


21: 2022/03971. 22: 2022/04/07. 43: 2023/10/24
51: B01F; C12M
71: BWXT ISOTOPE TECHNOLOGY GROUP, INC.
72: BISHOP, BENJAMIN ISAIAH, HAMILTON, CURTIS GRAHAM, WATSON, RONALD CLIFTON
33: US 31: 62/906,901 32: 2019-09-27
54: CHEMISTRY VESSEL AGITATOR
00: -
An agitator device for mixing materials, including a containment vessel defining an interior volume, a hollow shaft having an upper end, a lower end, and a central bore along its length, the lower end extending downwardly into the interior volume of the containment vessel, the hollow shaft being rotatable with respect to the containment vessel, and a takeout tube having an upper end and a lower end, wherein the takeout tube is disposed within the central bore of the hollow shaft so that the lower end

of the takeout tube is in fluid communication with the interior volume of the containment vessel.



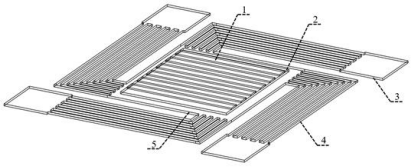
21: 2022/03972. 22: 2022/04/07. 43: 2023/10/24
51: A61K; A01N; A61P
71: VIRGINIA COMMONWEALTH UNIVERSITY
72: MANGINO, MARTIN J, LIEBRECHT, LOREN K
33: US 31: PCT/US2020/025103 32: 2020-03-27
33: US 31: 62/907,066 32: 2019-09-27
54: COMPOSITIONS AND METHODS FOR RESTORING OR INCREASING TISSUE PERFUSION
00: -
A composition for restoring or increasing tissue perfusion is provided. The composition includes polyethylene glycol polymers (PEG) with a molecular weight of 18,000-100,000 Da at a concentration of 5-20% by weight; PEG with a molecular weight of 1,000-10,000 Da at a concentration of 1-30% by weight; and water, wherein said PEG with a molecular weight of 18,000-100,000 Da and said PEG with a molecular weight of 1,000-10,000 Da are dissolved or dispersed in said water.



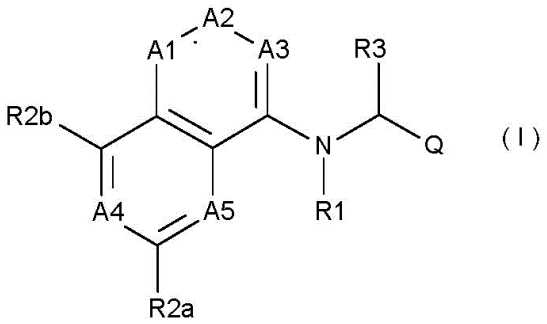
21: 2022/03993. 22: 2022/03/29. 43: 2023/10/24
51: C05F; C05G; C08L; C09K
71: TOTAL GROW LLC
72: CASALINS CUÑADO, AGUSTÍN CARLOS
33: US 31: 16/442,561 32: 2019-06-17
54: CONCENTRATED AQUEOUS SUSPENSION OF MICROFIBRILLATED CELLULOSE COMPRISING SALTS FOR PLANT NUTRITION
00: -
Concentrated aqueous suspension of microfibrillated cellulose (MFC) comprising salts for plant nutrition, the concentrated aqueous suspension comprises microfibrillated linear polymers of D-glucose molecules (cellulose microfibers), calcium ions, sulfate ions and other elements for plant nutrition, being the concentration of calcium ions and sulfate ions in excess of the concentration corresponding to the solubility of calcium sulfate in water and being the proportion of microfibrillated cellulose (MFC) within a range of 1% and 99% w/w of the suspension.

21: 2022/04104. 22: 2022/04/12. 43: 2023/11/27
51: G02B; H01L
71: Sun Yat-sen University
72: LIN, Yu-Sheng, WEN, Yao
33: CN 31: 202111313748.3, 32: 2021-11-08
54: ELECTROCHROMIC DEVICE AND PREPARATION METHOD THEREOF, AND APPARATUS
00: -
An electrochromic device and a preparation method thereof, and apparatus. The device includes an electrothermal actuator and an angle-sensitive metamaterial, the electrothermal actuator including a supporting plate, a plurality of cantilevers and electrodes. The angle-sensitive metamaterial has different spectral responses to light at different incident angles and includes a substrate layer and a periodic micro/nanostructure; both being arranged on the substrate layer. Each of the cantilevers is configured to generate different deformation amounts according to different applied voltages and includes a plurality of layers of materials with different thermal expansion coefficients. Each of the cantilevers is connected to one of the electrodes, and the other end of each of the cantilevers is connected to the supporting plate. The device realizes color regulation of a full spectrum of visible

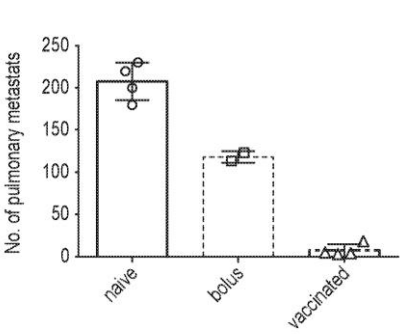
light by controlling voltages through the electrodes, and an improved resolution ratio.



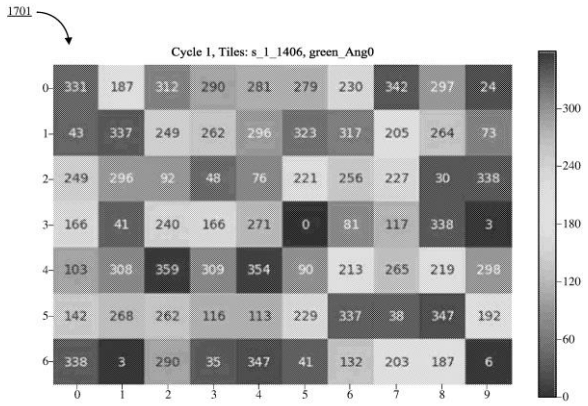
21: 2022/04206. 22: 2022/04/13. 43: 2023/10/05
51: A01N; C07D
71: Syngenta Crop Protection AG
72: EDMUNDS, Andrew, EMERY, Daniel, HALL, Roger Graham, IOSUB, Viorel Andrei, JEANGUENAT, André, KILARU, Jagadeesh Prathap, KOLLETH KRIEGER, Amandine, LE CHAPELAIN, Camille, PHADTE, Mangala, PITTERNA, Thomas, SCARBOROUGH, Christopher Charles
33: EP(CH) 31: 19206744.5 32: 2019-11-01
54: PESTICIDALLY ACTIVE FUSED BICYCLIC HETEROAROMATIC COMPOUNDS
00: -
Compounds of formula (I), wherein the substituents are as defined in claim 1, and the agrochemically acceptable salts, stereoisomers, enantiomers, tautomers and N-oxides of those compounds, can be used as insecticides.



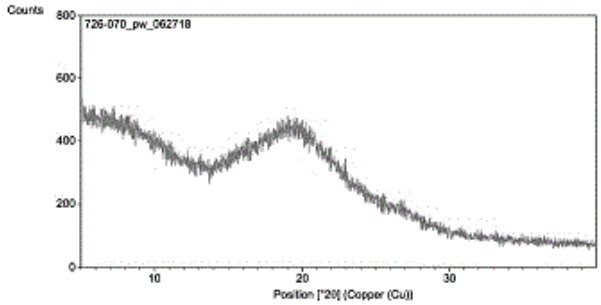
21: 2022/04223. 22: 2022/04/14. 43: 2023/11/16
51: A61K
71: DANA-FARBER CANCER INSTITUTE, INC.
72: WUCHERPFENNIG, Kai, BADRINATH, Soumya
33: US 31: 62/263,377 32: 2015-12-04
33: US 31: 62/422,454 32: 2016-11-15
54: VACCINATION WITH MICA/B ALPHA 3 DOMAIN FOR THE TREATMENT OF CANCER
00: -
The present invention provides compositions and methods for treating cancer in a subject by eliciting an immune response against a MIC alpha 3-domain polypeptide.



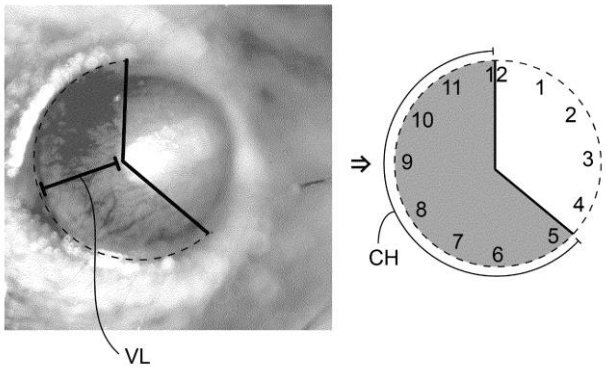
21: 2022/04436. 22: 2022/04/20. 43: 2023/11/14
51: G01B; G06T
71: ILLUMINA, INC.
72: LU, Bo, LANGLOIS, Robert Ezra, YOUNG, Andrew James, HEIBERG, Andrew Dodge
33: US 31: 62/924,130 32: 2019-10-21
33: US 31: 62/924,138 32: 2019-10-21
33: US 31: 17/075,692 32: 2020-10-21
33: US 31: 17/075,694 32: 2020-10-21
54: SYSTEMS AND METHODS FOR STRUCTURED ILLUMINATION MICROSCOPY
00: -
The technology disclosed relates to structured illumination microscopy (SIM). In particular, the technology disclosed relates to capturing and processing, in real time, numerous image tiles across a large image plane, dividing them into subtiles, efficiently processing the subtiles, and producing enhanced resolution images from the subtiles. The enhanced resolution images can be combined into enhanced images and can be used in subsequent analysis steps.



21: 2022/04862. 22: 2022/05/03. 43: 2023/10/31
51: A61K; C12Q
71: GERON CORPORATION
72: ALBANEZE-WALKER, JENNIFER E
33: US 31: 62/926,778 32: 2019-10-28
54: AMORPHOUS SOLID SUCCINYLATED 3-(FATTY ACID AMIDO)-2-HYDROXY-1-(PROTECTED HYDROXY)-PROPANE SALTS AND METHODS OF MAKING THE SAME
00: -
Aspects of the disclosure includes methods for preparing an amorphous solid composition of a fatty acid metal salt. In practicing the subject methods according to certain embodiments, a succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane organic salt is contacted with a metal base to produce a succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane metal salt; and the succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane metal salt is precipitated in a solvent to produce an amorphous solid succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane metal salt composition. An amorphous solid succinylated 3-(fatty acid amido)-2-hydroxy-1-(protected hydroxy)-propane lithium salt is also provided.



21: 2022/04939. 22: 2022/05/05. 43: 2023/11/14
51: A61K; A61P
71: ACTIVE BIOTECH AB
72: ERIKSSON, Helena, KAYE, Joel, TÖRNGREN, Marie
33: EP 31: 19218062.8 32: 2019-12-19
33: EP 31: 20156158.6 32: 2020-02-07
54: COMPOUNDS FOR TREATMENT OF EYE DISEASES ASSOCIATED WITH EXCESSIVE VASCULARISATION
00: -
The present invention relates to compounds for treatment of a disease or disorder associated with excessive vascularisation of the eye, such as for instance corneal neovascularisation, neovascularisation of the iris, neovascularisation of the ciliary body, corneal pannus, choroidal neovascularisation, retinal neovascularisation, wet age- related macular degeneration, proliferative diabetic retinopathy, retinopathy of prematurity, and ischemic retinopathy.



21: 2022/05147. 22: 2022/05/10. 43: 2023/10/27
51: G08G
71: SITA INFORMATION NETWORKING COMPUTING UK LIMITED
72: CHEIKH, Stephane, LE GALL, Thierry
33: GB 31: 1919247.5 32: 2019-12-23

54: SYSTEM AND METHOD FOR INSTRUCTING ONE OR MORE WEATHER DRONES

00: -

A computer implemented method and system (100) of instructing one or more weather drones (300). The method includes: analysing a first data set comprising flight path data indicative of the flight paths of one or more aircrafts over a predefined time period; identifying, based on said analysis, at least one geographical region which is not intercepted by or adjacent to, any of the flight paths of the one or more aircrafts; and instructing one or more weather drones (300) to fly to the at least one geographical region.

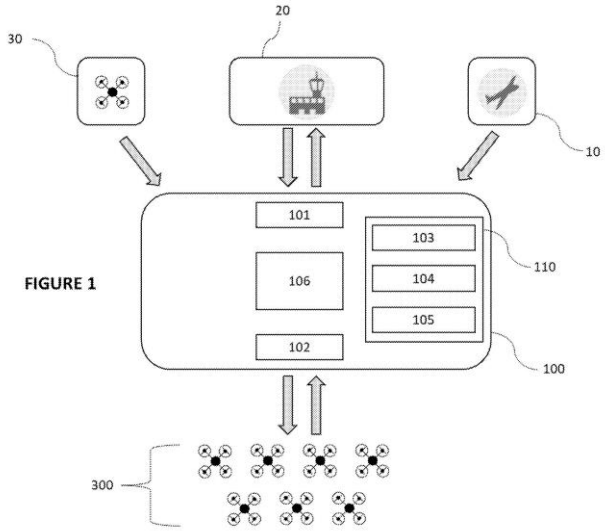


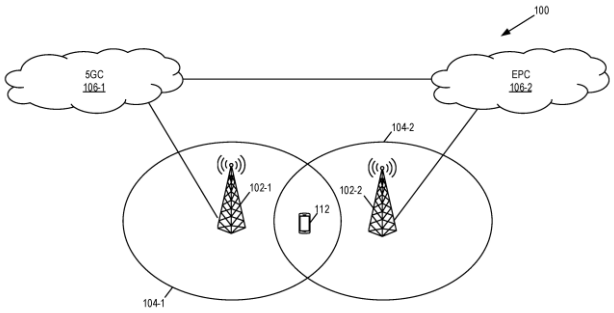
FIGURE 1

21: 2022/05674. 22: 2022/05/23. 43: 2023/11/14
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: GAN, Juying, LU, Yunjie, CHEN, Qian, HEDMAN, Peter
33: WO 31: PCT/CN2019/128211 32: 2019-12-25

54: TRANSFERRING DATA FLOWS FOR PDU SESSIONS AT 5GS TO EPS MOBILITY

00: -

A method performed by a network node for transferring Protocol Data Unit (PDU) sessions of a User Equipment (UE) during a mobility procedure in which the UE is moved from a Fifth Generation System (5GS) to an Evolved Packet System (EPS) is disclosed. The method comprises one or more of determining that a target Mobility Management Entity (MME) for the mobility procedure in the EPS supports a first number of EPS Bearers that is less than a second number of EPS Bearer Identities (EBIs) assigned to a number of PDU sessions (e.g., and their associated Quality of Service (QoS) Flows) of the UE that are to be transferred from the 5GS to the EPS; determining which of the PDU sessions and/or QoS Flows of the UE are not to be transferred to the target MME; and releasing, requesting the release of or initiating release of the PDU sessions and/or QoS Flows that are not to be transferred to the target MME.



21: 2022/05753. 22: 2022/05/24. 43: 2023/09/27
51: F23B; F23L; F23N
71: A.J. WELLS & SONS LIMITED
72: WELLS, Alexander, WELLS, Paul
33: GB 31: 1915535.7 32: 2019-10-25

54: STOVE, CONTROL SYSTEM, AND METHOD FOR CONTROLLING THE SAME

00: -

A stove (1) having a combustion chamber (2) supplied by one or more air supply paths (9, 14, 16). One or more valves (11, 15, 17) are provided for controlling airflow through the one or more air supply paths (9, 14, 16). A temperature sensor (4) is used to determine the air temperature associated with the combustion chamber (2), and a flame sensor (3) is used to determine the burn intensity of a fuel in the combustion chamber (2). A controller (5) controls the one or more valves (11, 15, 17) to adjust the airflow through the one or more air supply paths (9, 14, 16) based on inputs from the flame and temperature sensors (3, 4).

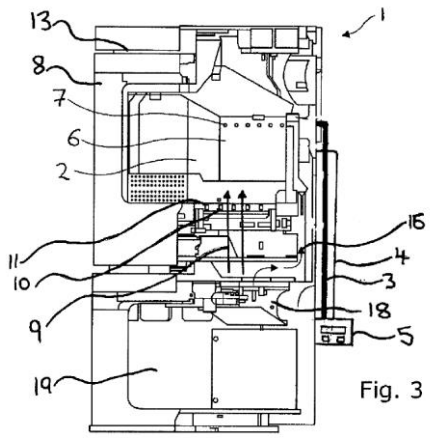


Fig. 3

21: 2022/06018. 22: 2022/05/30. 43: 2023/10/19
51: C10G
71: Eastman Chemical Company
72: WU, Xianchun, BITTING, Daryl, PARKER, Kenny Randolph, POLASEK, Michael Gary, SLIVENSKY, David Eugene, TRAPP, William Lewis
33: US 31: 62/928,457 32: 2019-10-31
54: PROCESSES AND SYSTEMS FOR FORMATION OF RECYCLE-CONTENT HYDROCARBON COMPOSITIONS
00: -
Processes and systems for making recycle content hydrocarbons, including olefins, are provided that integrate a cracker unit with one or more other processing units. For example, in some cases, a pyrolysis unit and cracking unit may share a common energy exchange zone so that energy from one unit may be transferred to the other. The energy exchange may be direct or indirect and may be present at one or more locations between the units.

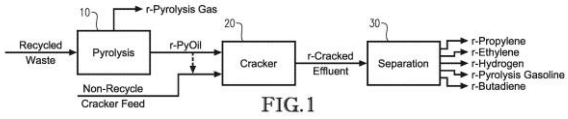
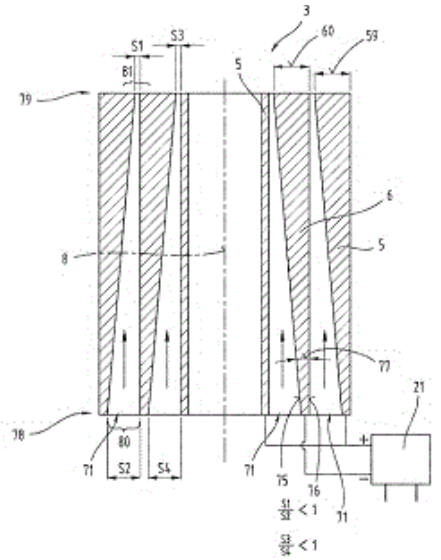


FIG.1

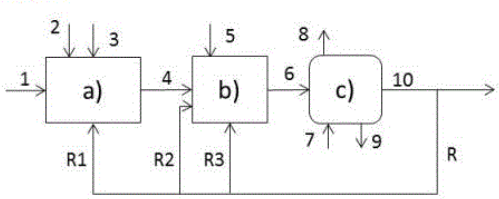
21: 2022/06215. 22: 2022/06/02. 43: 2023/10/02
51: C25B; F02B; F02M
71: ASA-ENERGIE GMBH
72: REBROV, OLEKSII, HEIDER, MICHAEL, ASAMER, JOHANNES
33: AT 31: A51011/2019 32: 2019-11-22
54: ELECTROLYTIC REACTION SYSTEM FOR PRODUCING GASEOUS HYDROGEN AND OXYGEN
00: -
The invention relates to an electrolytic reaction system (1) for producing gaseous hydrogen and oxygen, comprising a reaction chamber (2, 69) for accommodating an electrolyte and an electrode arrangement (3) which is composed of a plurality of anodic and cathodic electrodes (5, 6). At least one flow channel (71) for the electrolyte is formed between jacket surfaces of electrodes which are spaced apart from each other, said flow channel extending between a first axial end for the entry of the electrolyte into the electrode arrangement (3) and a second axial end for the exit of the electrolyte from the electrode arrangement (3). The at least one flow channel (71) has at least one first flow cross-section and at least one second flow cross-section, the second flow cross-section being smaller than the first flow cross-section and the comparatively smaller second flow cross-section is formed in a partial section of the at least one flow channel (71), which is closest to the second axial end of the electrode arrangement. An improved, in particular a more efficient electrolytic reaction system (1) is thereby achieved.



21: 2022/06303. 22: 2022/06/07. 43: 2023/11/28
51: B65D
71: C&S PACKAGING SUPPLIER, S.L.
72: José María MORÉ GENESCA
33: ES 31: ES202131363U 32: 2021-10-06
54: INNER COVERING FOR CONTAINERS
00: -

The invention relates to inner covering for containers, the objective of which is to reduce the impact of temperatures on the inside thereof and to protect against the moisture known as “container rain”. The covering is formed by a rectangular prismatic case (1) in the horizontal position, made from a laminated composite having several layers, with two smaller bases and a series of bars (4) arranged in fixing elements (3) corresponding to two or more edges of the smaller bases, characterized in that the bars (4) are formed by elements that can be inserted into one another.

21: 2022/06304. 22: 2022/06/07. 43: 2023/11/30
51: C10G
71: IFP ENERGIES NOUVELLES
72: WEISS, Wilfried, BONNARDOT, Jerome
33: FR 31: 2001758 32: 2020-02-21
54: OPTIMIZED METHOD FOR PROCESSING PLASTIC PYROLYSIS OILS FOR IMPROVING THEIR USE
00: -
The present invention relates to a method for processing a plastic pyrolysis oil, comprising: a) a step of selective hydrogenation of the feedstock in the presence of at least hydrogen and at least one selective hydrogenation catalyst at a temperature of between 100 and 150 °C, a partial pressure of hydrogen of between 1.0 and 10.0 MPa absolute and an hourly volume rate of between 1.0 and 10.0 h-1, in order to obtain a hydrogen effluent; b) a step of hydroprocessing said hydrogen effluent in the presence of at least hydrogen and at least one hydroprocessing catalyst at a temperature of between 250 and 370 °C, a partial pressure of hydrogen between 1.0 and 10.0 MPa absolute and an hourly volume rate of between 0.1 and 10.0 h-1, in order to obtain a hydroprocessing effluent; c) a step of separating the hydroprocessing effluent in the presence of an aqueous flow at a temperature of between 50 and 370 °C in order to obtain at least one gaseous effluent, one aqueous liquid effluent and one liquid hydrocarbon effluent; e) a step of recycling at least a fraction of the obtained product.



21: 2022/06343. 22: 2022/06/08. 43: 2023/12/04
51: G06F
71: SWIRL DESIGN (PTY) LTD
72: BOSHOFF, Hendrik Frans Verwoerd
33: ZA 31: 2021/04023 32: 2021-06-11
54: SELECTING A DESIRED ITEM FROM A SET OF ITEMS
00: -
Methods, devices and computer program products are provided for display and interaction at a user interface. A guide is displayed that includes a number of guide frames arranged in a chain, each guide frame being associated with a subset of items from within a set of items and having a guide symbol displayed therein. In response to receiving user input associated with continuous movement of a pointer in the user interface, the guide is continuously changed so as to enlarge guide frames towards which the pointer is moving. Upon the pointer crossing a first threshold, the guide is replaced with a number of item frames which display items selected from the set of items. The item frames may be displayed in substantially the same position and of the same size as the guide frames which they replace.

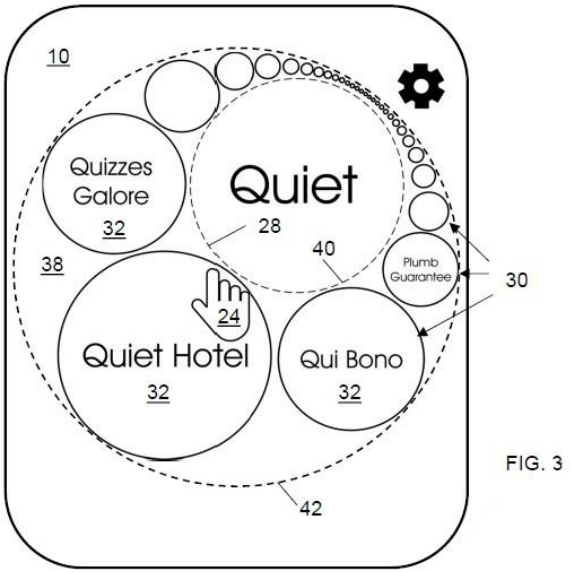
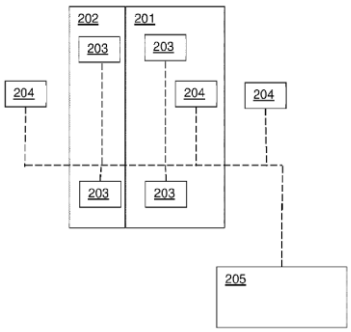


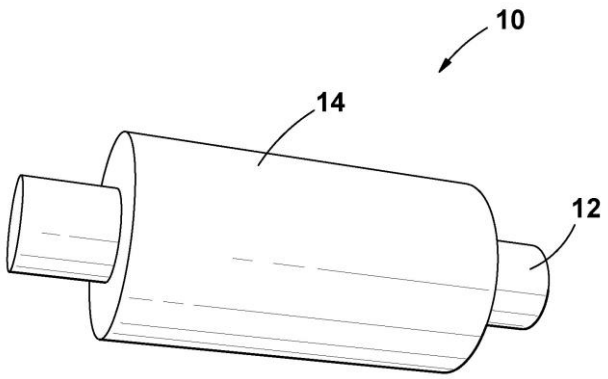
FIG. 3

21: 2022/06386. 22: 2022/06/08. 43: 2023/09/29
51: A61K; A61P
71: GW Research Limited
72: GUY, Geoffrey, KNAPPERTZ, Volker, WHALLEY, Benjamin, WOOLLEY-ROBERTS, Marie
33: GB 31: 1916977.0 32: 2019-11-21
54: CANNABIDIOL-TYPE CANNABINOID COMPOUND
00: -
The present invention relates to a cannabidiol (CBD) type cannabinoid compound for use as a medicament. The CBD-type cannabinoid, 6-hydroxy cannabidivarin (6-OH CBDV), is a metabolite of cannabidivarin (CBDV). The cannabinoid can be produced by synthetic means and a method for the production of 6-OH CBDV is described herein. In addition, disclosed herein are data which demonstrate the efficacy of 6-OH CBDV in a model of disease.

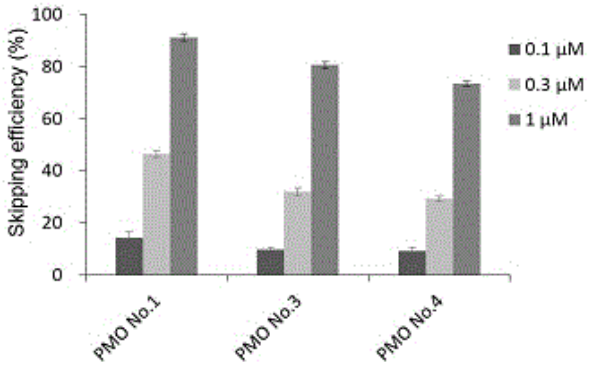
21: 2022/06480. 22: 2022/06/10. 43: 2023/09/27
51: H01F
71: TOKAMAK ENERGY LTD
72: SLADE, Robert, BATEMAN, Rod
33: GB 31: 1916454.0 32: 2019-11-12
54: STRAIN- OR MAGNETIC FIELD-BASED QUENCH DETECTION
00: -
A method of detecting pre-quench conditions in a superconducting magnet comprising an HTS field coil. The field coil comprises a plurality of turns comprising HTS material and metallic stabilizer; and conductive material connecting the turns such that current can be shared radially between turns via the conductive material. Strain is monitored for the HTS field coil and/or support structures of the HTS field coil. The monitored strain is compared to an expected strain during normal operation of the magnet. In response to the comparison, it is determined whether the field coil is in pre-quench conditions.. A similar method is provided where the magnetic field of the HTS field coil is monitored to detect pre-quench conditions, instead of the strain.



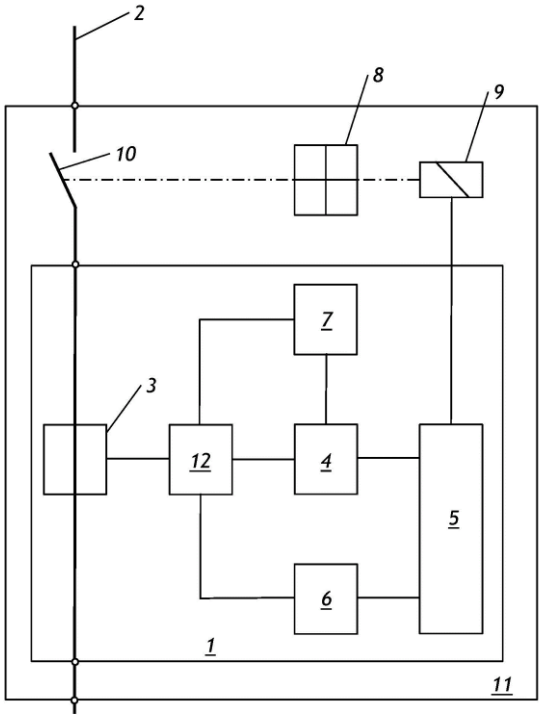
21: 2022/06600. 22: 2022/06/15. 43: 2023/12/08
51: H01B; H01L; H01M; B82Y
71: TSHWANE UNIVERSITY OF TECHNOLOGY
72: UJAH, Chika Oliver, POPOOLA, Olawale Muhammed, popoola, Abimbola Patricia Idowu, AIGBODION, Victor
33: ZA 31: 2021/04532 32: 2021-06-30
54: A COMPOSITE CONDUCTOR
00: -
This invention relates to a composite conductor 10. In particular, this invention is about a composite conductor for conducting electric current, typically at a high voltage. The innovated composite conductor has an aluminium-niobium elongate hollow body, and an aluminium-carbon nanotube-niobium elongate body configured to be received complimentary within the aluminium-niobium elongate hollow body to conduct an electrical current. The aluminium has a weight percentage in the range of 94% to 98% and the niobium has a weight percentage of 4% of a total weight of the aluminium-niobium elongate hollow body. The aluminium has a weight percentage of 92%, of the total weight of the aluminium-carbon nanotube-niobium elongate body. The composite conductor 10 can be used in power grids, even in heavy icy region due to its high strength - having the ability to withstand forces exerted on it by ice loads.



21: 2022/06667. 22: 2022/06/15. 43: 2023/10/19
51: C12N; A61K; A61P
71: NIPPON SHINYAKU CO., LTD., NATIONAL CENTER OF NEUROLOGY AND PSYCHIATRY
72: ENYA, YUKIKO, SUNADOI, YUTA, WAKI, REIKO, MUCHIMA, KANAME, TAKEDA, SHIN'ICHI, AOKI, YOSHITSUGU
33: JP 31: 2019-236704 32: 2019-12-26
54: ANTISENSE NUCLEIC ACID THAT INDUCES SKIPPING OF EXON 50
00: -
The present description provides a drug that causes a highly efficient skipping of the 50th exon of the human dystrophin gene. The present description also provides an antisense oligomer that induces skipping of the 50th exon of the human dystrophin gene.

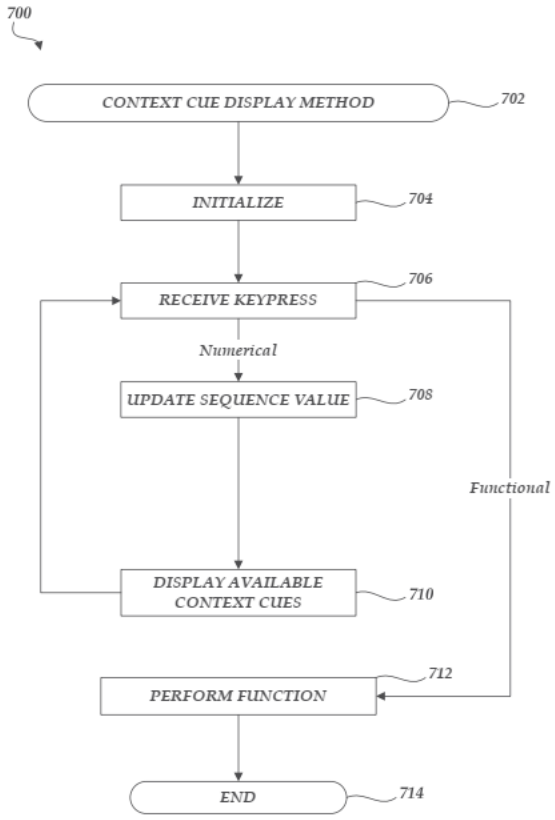


21: 2022/06742. 22: 2022/06/17. 43: 2023/09/28
51: G01R; H02H; H03K
71: Eaton Intelligent Power Limited
72: HAUER, Wolfgang
33: GB 31: 1916916.8 32: 2019-11-20
54: OVERCURRENT DETECTOR
00: -
Overcurrent detector (1) with an electric line (2) and a sensor (3) for monitoring an electric current in the line (2) and outputting a measurement signal, and an integral-unit (4) adapted to integrate an interval of consecutive values of the measurement signal and outputting an integrator-signal, the detector (1) comprises a comparator unit (5) for comparing a value of the integrator-signal with a threshold level and outputting a trigger signal, with the detector (1) further comprises a threshold level determination unit (6), with an input being connected to the sensor (3) for receiving an actual measurement signal, and with an output being connected to the comparator unit (5), proving the comparator unit (5) with the threshold level, and that the threshold level determination unit (6) is adapted to determine the threshold level in dependence on the value of the actual measurement signal.



21: 2022/07055. 22: 2022/06/24. 43: 2023/11/14
51: A61M; G06F; G16H
71: ICU MEDICAL, INC.
72: CAVENDISH, Dirceu Galvao, KAPLAN, Diego Andres, CUDNEY, James, KLAGGES-KINGSBURY, Kerin Leigh
33: US 31: 16/703,756 32: 2019-12-04
54: INFUSION PUMP WITH SAFETY SEQUENCE KEYPAD
00: -
An infusion pump is configured to provide one or more context cues to a user while the user programs

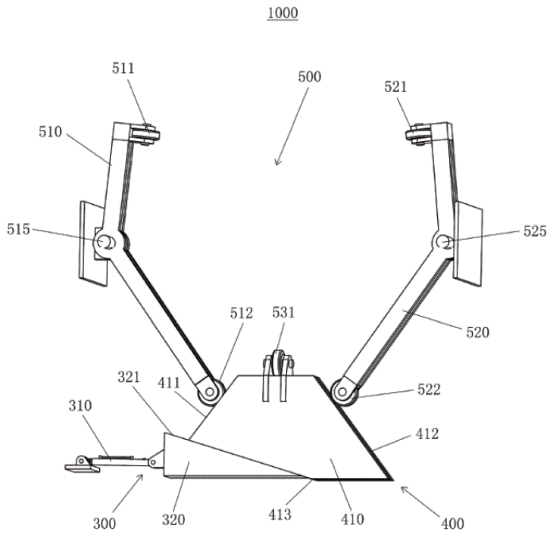
the infusion pump to deliver an infusion therapy. In some embodiments, the infusion pump includes a display configured to display a keypad and to receive input from a user, a processor in communication with the display, and a memory in communication with the processor. The memory stores instructions that cause a keypad sequence monitor to receive context parameters, the context parameters corresponding to a drug selection, a drug concentration selection, or a clinical care area in which the drug is to be infused. The keypad sequence monitor accesses a drug library using the context parameter to determine a valid parameter range corresponding to a range of values between lower and upper soft limit values stored in the drug library. The keypad sequence monitor is further configured to receive an treatment parameter value from the user and display one or more context cues upon determining that the received treatment parameter value is outside of a valid treatment parameter range, but would be within a valid treatment parameter range if one of the context parameters were changed.



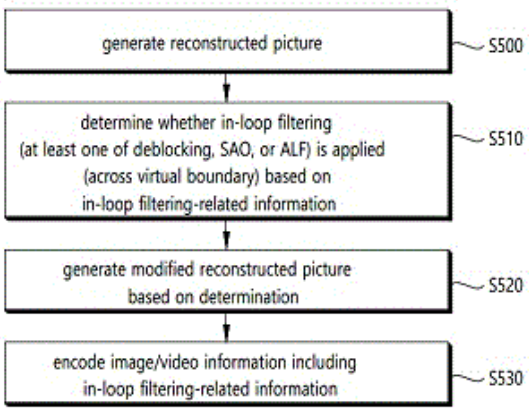
21: 2022/07328. 22: 2022/07/01. 43: 2023/10/31
51: C14C; C01B
71: SMIT TANNING B.V.
72: HENDRIKSEN, WOUTER EGBERT-JAN, VON BEHR, DIRICK JOBST ALEXANDER, WILGENBURG, PIM JAN-WILLEM
33: NL 31: 2024455 32: 2019-12-13
54: ZEOLITE COMPOSITION SUITABLE FOR TANNING LEATHER
00: -
The invention relates to tanning agents for leather and concerns a zeolite composition suitable as a single tanning agent comprising zeolite, a first weak acid, a second weak acid and optionally a third weak acid. This zeolite composition enables an efficient and effective chrome-free tanning.

21: 2022/07331. 22: 2022/07/01. 43: 2023/10/31
51: E02D
71: JIANGSU GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
72: FANG, JING, YAN, HUIHUANG, WANG, JIUHUA
33: CN 31: 201911345913.6 32: 2019-12-24
54: MONOPILE FOUNDATION GUIDING DEVICE

00: -
The present invention provides a monopile foundation guiding device. The monopile foundation guiding device comprises at least one guiding unit; each of the at least one guiding unit comprises a single driving unit, a transmission unit, and a clamping unit; the clamping unit comprises at least two clamping arms, and a clamping space for clamping a monopile foundation is formed between the at least two clamping arms; the single driving unit transmits power to the transmission unit, and the at least two clamping arms are driven to operate synchronously by means of the transmission unit, so that the clamping unit is opened or closed. By means of the single driving unit, synchronous and coaxial opening or closing of multiple clamping arms can be implemented, so that high-precision verticality control of the monopile foundation can be implemented.



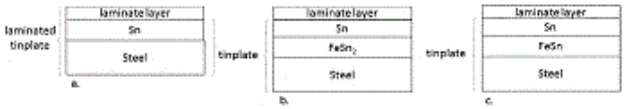
21: 2022/07386. 22: 2022/07/04. 43: 2023/10/31
51: H04N
71: LG ELECTRONICS INC.
72: HENDRY, HENDRY, PALURI, SEETHAL, KIM, SEUNGHWAN
33: US 31: 62/947,505 32: 2019-12-12
54: FILTERING-BASED IMAGE CODING DEVICE AND METHOD
00: -
According to embodiments described herein, sub-pictures and/or virtual boundaries can be used for coding an image. For example, sub-pictures in the current picture can be used for predicting, reconstructing, and/or filtering the current picture. Virtual boundaries can be used for filtering reconstructed samples of the current picture. Through image coding based on the sub-pictures and/or virtual boundaries according to embodiments described herein, the subjective/objective quality of an image can be improved, and the consumption of hardware resources necessary for the coding can be reduced.



21: 2022/07387. 22: 2022/07/04. 43: 2023/10/30
51: A01P; A01N
71: ISHIHARA SANGYO KAISHA, LTD.
72: SUGANUMA, TAKETO, TANIDA, YASUTSUNE, USUI, TAKUYA
33: JP 31: 2019-237589 32: 2019-12-27
54: METHOD WHICH BRINGS BENEFITS TO HEALTH AND/OR GROWTH OF USEFUL PLANTS
00: -
The object of the present invention is to find out a component which improves effects of agriculturally active ingredients, which is effective to contribute to reduction of the environmental load even in a small amount, in addition to bringing benefits to the health and/or growth of useful plants, by maximizing the effects of nicosulfuron, reducing phytotoxicity which is an undesired effect on the useful plants, etc. When nicosulfuron and isoxadifen-ethyl are used in combination, by adding a specific surfactant, benefits can be brought to the health and/or growth of useful plants even if the addition amount is remarkably smaller than the amount of the conventional adjuvant used.

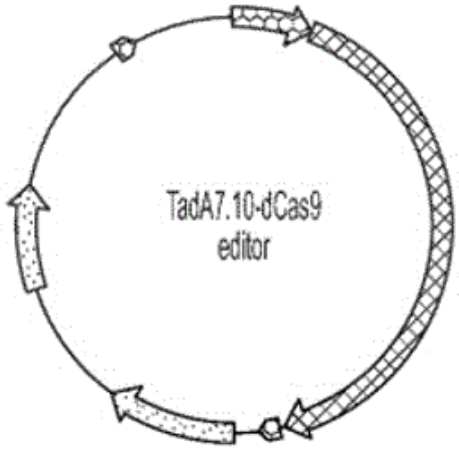
21: 2022/07388. 22: 2022/07/04. 43: 2023/10/31
51: C25D; C23G; C25F; C23C

71: TATA STEEL IJMUIDEN B.V.
72: PENNING, JAN PAUL, KONDRATIUK, DMITRY
33: EP 31: 19218809.2 32: 2019-12-20
54: METHOD FOR MANUFACTURING LAMINATED TINPLATE, A LAMINATED TINPLATE PRODUCED THEREBY AND USE THEREOF
00: -
This invention relates to a method for manufacturing a laminated tinplate for packaging applications, the laminated tinplate comprising a tinplate sheet and a thermoplastic laminate layer that covers at least one side of the tinplate steel sheet, to a laminated tinplate produced thereby and use thereof in a process to produce containers for packaging purposes.



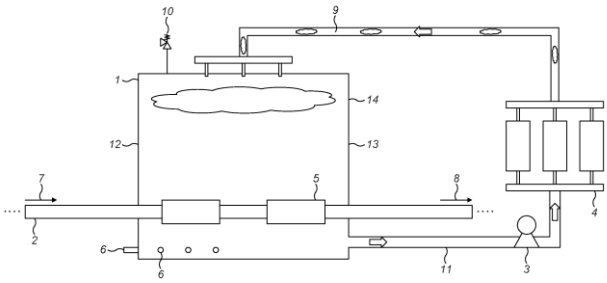
21: 2022/07392. 22: 2022/07/04. 43: 2023/10/31
51: A61Q; A61K
71: UNILEVER GLOBAL IP LIMITED
72: HIBAN, DOUGLAS JOHN, MOADDEL, TEANOOSH, PEREIRA, DANIEL FILIPE, VASUDEVAN, TIRUCHERAI VARAHAN
33: US 31: 16/748,521 32: 2020-01-21
33: EP 31: 20168571.6 32: 2020-04-07
54: HYDRATABLE CONCENTRATED SURFACTANT COMPOSITION
00: -
The invention is directed to a hydratable concentrated surfactant composition. The composition is pourable, easy to dilute, substantially free of sulfate and oil, comprises a C6-C14 acid, alcohol or both, an anionic surfactant comprising acyl isethionate and an amphoteric surfactant, zwitterionic surfactant or both. The composition is in lamellar phase and thickens and transforms to an isotropic phase upon dilution. The composition can be used as a concentrate in small volumes and diluted as used and needed or can be diluted with water in refill packaging to ensure a reduction in plastic waste.

21: 2022/07395. 22: 2022/07/04. 43: 2023/10/31
51: C12N
71: BEAM THERAPEUTICS INC.
72: SLAYMAKER, IAN, GAUDELLI, NICOLE, YU, YI, ZETSCHE, BERND, BORN, DAVID A, LEE, SEUNG-JOO, PACKER, MICHAEL
33: US 31: 62/805,277 32: 2019-02-13
33: US 31: 62/852,228 32: 2019-05-23
33: US 31: 62/931,747 32: 2019-11-06
33: US 31: 62/941,569 32: 2019-11-27
33: US 31: 62/931,722 32: 2019-11-06
33: US 31: 62/852,224 32: 2019-05-23
33: US 31: 62/805,271 32: 2019-02-13
33: US 31: 62/966,526 32: 2020-01-27
54: COMPOSITIONS AND METHODS FOR TREATING HEMOGLOBINOPATHIES
00: -
The present invention features compositions and methods for editing deleterious mutations associated with hemoglobinopathies, such as sickle cell disease (SCD). In particular embodiments, the invention provides methods for correcting mutations in a beta globin polynucleotide using modified adenosine base editors termed "ABE8" having unprecedented levels (e.g., >60-70%) of efficiency.

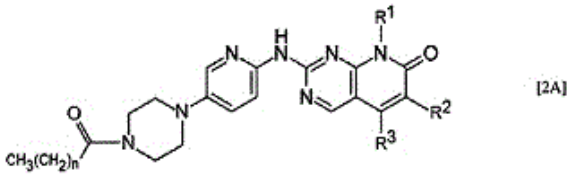


21: 2022/07433. 22: 2022/07/05. 43: 2023/11/06
51: C25B
71: ITM POWER (TRADING) LIMITED
72: MARCHAL, Frederic
33: GB 31: 2000746.4 32: 2020-01-17
54: ELECTROCHEMICAL CELL PLANT
00: -
A system comprising an electrolyser stack connected to a water/gas separation vessel, via an inlet and an outlet pipes, wherein the separation vessel is adapted to passively separate the water and gas; the separation vessel contains a heat

exchanger; and the separation vessel is constructed from a polymer material.

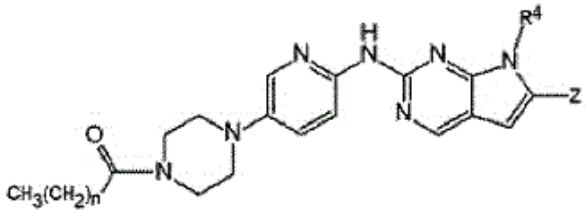


21: 2022/07448. 22: 2022/07/05. 43: 2023/10/31
51: C07D; A61K; A61P
71: LUNELLA BIOTECH, INC.
72: LISANTI, MICHAEL P, SOTGIA, FEDERICA, KANGASMETSA, JUSSI, MAGALHÃES, LUMA G
33: US 31: 62/948,498 32: 2019-12-16
33: US 31: 62/966,834 32: 2020-01-28
54: SELECTIVE CDK4/6 INHIBITOR CANCER THERAPEUTICS
00: -
The disclosure describes selective and potent CDK 4/6 inhibitors that show advantageous inhibition of cancer growth, even at low concentrations. A class of the CDK 4/6 inhibitors relates to substituted pyridopyrimidines compounds having a fatty acid moiety, and are namely derivatives of Palbociclib of general formula [2A], wherein R1 is hydrogen, aryl, alkyl, alkoxy, cycloalkyl, or heterocyclyl; R2 is hydrogen, halogen, alkyl, acyl, cycloalkyl, alkoxy, alkoxy alkyl, haloalkyl, hydroxy alkyl, alkenyl, alkynyl, nitrile, or nitro; R3 is hydrogen, halogen, alkyl, haloalkyl, hydroxy alkyl, or cycloalkyl; and n is an integer from 9 to 20. These compounds may be used as pharmaceutical compounds for anti-cancer therapies, and are useful for the treatment, prevention and/or amelioration of cancer.



[2A]

21: 2022/07449. 22: 2022/07/05. 43: 2023/10/31
51: C07D; A61K; A61P
71: LUNELLA BIOTECH, INC.
72: LISANTI, MICHAEL P, SOTGIA, FEDERICA, KANGASMETSA, JUSSI, MAGALHÃES, LUMA G
33: US 31: 62/948,498 32: 2019-12-16
33: US 31: 62/966,834 32: 2020-01-28
54: SELECTIVE CDK4/6 INHIBITOR CANCER THERAPEUTICS
00: -
This disclosure describes selective and potent CDK 4/6 inhibitors that show advantageous inhibition of cancer growth, even at low concentrations. This class of anti-cancer CDK 4/6 inhibitors are substituted pyrrolopyrimidine compounds of formula 1A, having a fatty acid moiety. These compounds may be used as pharmaceutical compounds for anti-cancer therapies, and are useful for the treatment, prevention and/or amelioration of cancer.



[1A]

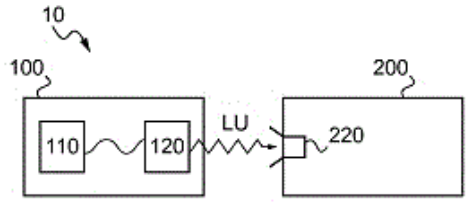
21: 2022/07493. 22: 2022/07/06. 43: 2023/10/30
51: A61K; C07D; A61P
71: Z FACTOR LIMITED
72: NIGEL RAMSDEN, DAVID JOHN FOX, JAMES ANDREW HUNTINGTON, JAMES MICHAEL TOMLINSON
33: GB 31: 1918410.0 32: 2019-12-13
54: COMPOUNDS AND THEIR USE FOR THE TREATMENT OF ALPHA1-ANTITRYPSIN DEFICIENCY
00: -
The invention relates to specified carboxylic acid compounds of formula (1), and pharmaceutical compositions containing the compounds. The compounds may be inducers of α1-antitrypsin (A1AT), and may be used in the treatment of a disease or disorder such as α1-antitrypsin deficiency (A1AD or AATD).

21: 2022/07496. 22: 2022/07/06. 43: 2023/10/30
51: F42B; F42D
71: COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, DAVEY BICKFORD
72: BIARD, LIONEL, PIAGET, BERNARD, DESCHARLES, MÉLANIE, BERG, VINCENT, GUYON, FRANCK
33: FR 31: FR1913940 32: 2019-12-09
54: WIRELESS ELECTRONIC DETONATOR COMPRISING A POWER SWITCH CONTROLLED BY AN OPTICAL SIGNAL, WIRELESS

DETONATION SYSTEM AND METHOD FOR ACTIVATING SUCH A DETONATOR

00: -

Disclosed is a wireless electronic detonator (200) comprising a primary energy source (230) and at least one functional module (250), a power switch (240), arranged between the primary energy source and the functional module in order to connect or disconnect the functional module (250) and the primary energy source (230), and a control module (210) for the power switch comprising an optical receiver (220) for detecting and demodulating a light signal (LU) emitted by a control console (100) and generating a control signal depending on the demodulated light signal (LU) in order to at least control the power switch (240); a wireless detonation system (10) comprising such a wireless electronic detonator (200) and a control console (100) configured to emit a light signal (LU), and a method for activating such a wireless electronic detonator.

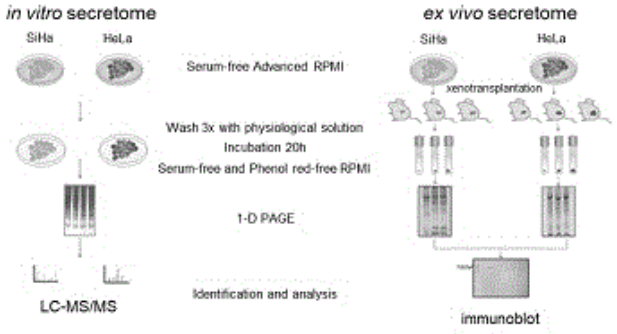


21: 2022/07531. 22: 2022/07/07. 43: 2023/10/10
51: G01N
71: TIMSER, S.A.P.I. DE C.V.
72: CHECA ROJAS, ALBERTO, SANTILLÁN GODÍNEZ, ORLANDO, DOMÍNGUEZ PALESTINO, RAÚL
33: MX 31: MX/A/2019/005940 32: 2019-05-21

54: METHODS OF DIAGNOSING AND TREATING CERVICAL CANCER

00: -

The present invention is related to diagnostic tests or rapid detections of different types of cancer, especially cervical cancer and precancerous lesions. Especially, the invention relates to specific and useful protein biomarkers for the detection of said diseases, and to the methods for determination and detection of said biomarkers.



21: 2022/07539. 22: 2022/07/07. 43: 2023/12/11
51: A61K; A61L; C12N; A61P
71: PHOENIX EAGLE COMPANY PTY LTD
72: RICHARDSON, Mark, BROCKLEHURST, Keith (Deceased), TRIGIANTE, Giuseppe
33: GB 31: 1919385.3 32: 2019-12-27

54: COMPOSITION AND METHODS OF MANUFACTURE

00: -

The present invention relates to compositions comprising Carica papaya derived serine protease, methods of extracting the protease from fruit sources as well as cosmetic and therapeutic uses thereof, and associated kits.

21: 2022/07543. 22: 2022/07/07. 43: 2023/10/30
51: C07D; A61K; A61P
71: ASTELLAS PHARMA INC., KOTOBUKI PHARMACEUTICAL CO., LTD.
72: WATANABE, HIDEYUKI, SEKI, YOHEI, OKUYAMA, KEIICHIRO, KUROSAWA, KAZUO, IKEDA, OSAMU, TOMIYAMA, HIROSHI, IWAI, YOSHINORI, NAKAMURA, AKIHIKO, MIYASAKA, KOZO
33: JP 31: 2019-233673 32: 2019-12-25

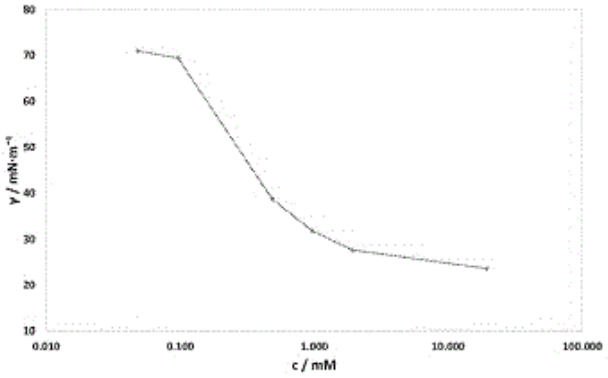
54: PYRIDAZINYL-THIAZOLECARBOXAMIDE COMPOUND

00: -

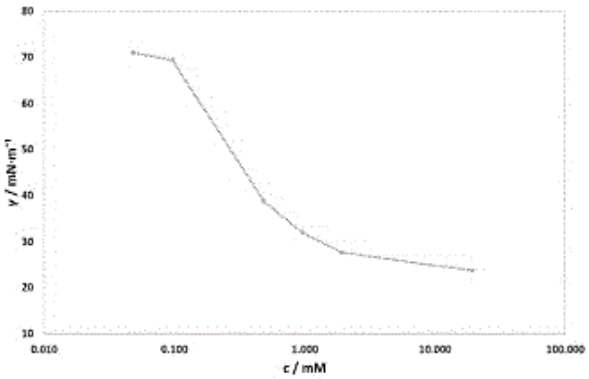
Provided is a compound that is useful as an active ingredient of a medicinal composition for treating cancer related to immunocyte activation or cancer resistant to anti-PD-1 antibody/anti-PD-L1 antibody therapy. The present inventors studied compounds being useful as an active ingredient of a medicinal composition for treating cancer related to immunocyte activation or cancer resistant to anti-PD-1 antibody/anti-PD-L1 antibody therapy and confirmed that a pyridazinyl thiazolecarboxamide compound has an effect of inhibiting DGKζ (DGKzeta) to thereby complete the present

invention. The pyridazinyl thiazolecarboxamide compound of the present invention has an effect of inhibiting DGKζ and is usable as a therapeutic agent for cancer related to immunocyte activation or cancer resistant to anti-PD-1 antibody/anti-PD-L1 antibody therapy.

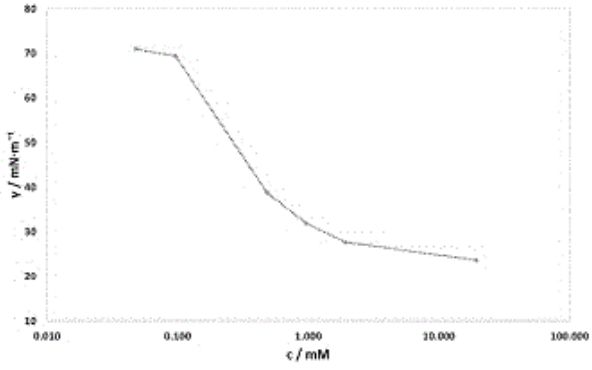
21: 2022/07546. 22: 2022/07/07. 43: 2023/10/30
51: A01N
71: ADVANSIX RESINS & CHEMICALS LLC
72: ASIRVATHAM, EDWARD
33: US 31: 62/950,391 32: 2019-12-19
54: SURFACTANTS FOR AGRICULTURAL PRODUCTS
00: -
Agricultural products, such as pesticides, plant growth regulators, fungicides, herbicides, and insecticides, may be formulated to include one or more surfactants, from one or more surfactant classes, such as siloxane derivatives of amino acids that have surface-active properties.



21: 2022/07547. 22: 2022/07/07. 43: 2023/10/30
51: A61K; A61Q
71: ADVANSIX RESINS & CHEMICALS LLC
72: ASIRVATHAM, EDWARD
33: US 31: 62/950,378 32: 2019-12-19
54: SURFACTANTS FOR USE IN PERSONAL CARE AND COSMETIC PRODUCTS
00: -
Personal care products, such as shampoos, conditioners, hair dyes, hair removal products, cleansers, cosmetics, mascaras, and toothpastes may be formulated to include one or more surfactants, from one or more surfactant classes, such as siloxane derivatives of amino acids that have surface-active properties.

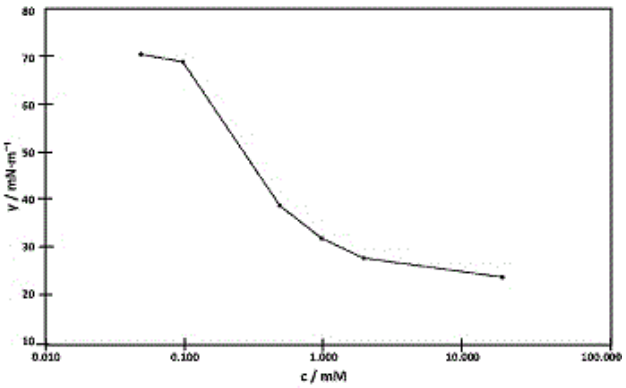


21: 2022/07550. 22: 2022/07/07. 43: 2023/10/30
51: C11D; D06L
71: ADVANSIX RESINS & CHEMICALS LLC
72: ASIRVATHAM, EDWARD
33: US 31: 62/951,942 32: 2019-12-20
54: SURFACTANTS FOR CLEANING PRODUCTS
00: -
The present disclosure pertains to surfactants for use in the formulation of detergents, foaming agents, emulsifiers, and degreasers. Some aspects of the invention include formulations suitable for cleaning and/or condition fabrics including upholstery. Some formulations are suitable for in home or commercial dry cleaning. Some of the formulations may be suitable for cleaning hard surfaces including plastic surfaces.

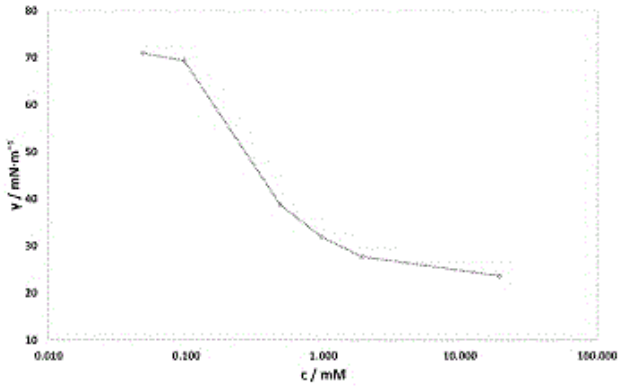


21: 2022/07551. 22: 2022/07/07. 43: 2023/10/30
51: A61K
71: ADVANSIX RESINS & CHEMICALS LLC
72: ASIRVATHAM, EDWARD
33: US 31: 62/951,943 32: 2019-12-20
54: SURFACTANTS FOR USE IN HEALTHCARE PRODUCTS
00: -

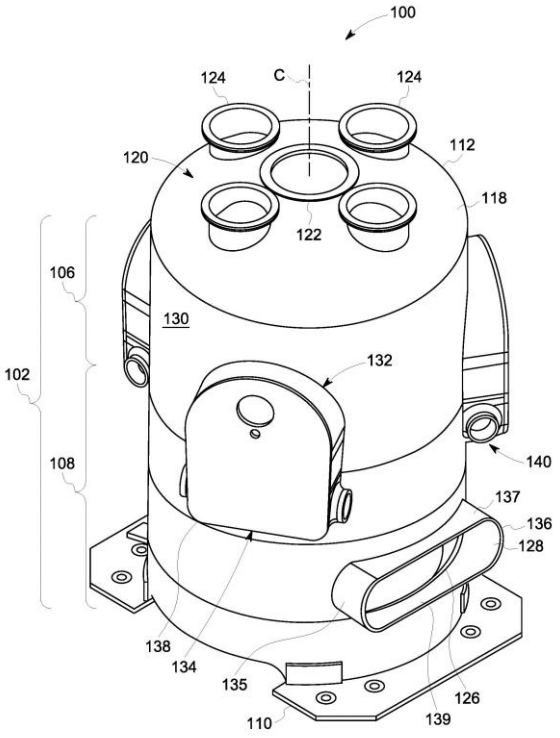
Healthcare formulations, including, inventive surfactants, Active ingredient formulated as solids, liquids, or emulsions. The present disclosure provides formulations of healthcare products, such as: prescription drugs, over the counter drugs; minerals, herbal, and/or vitamin supplements; drugs administered in hospitals, clinics, physician's office, and places of palliative care; vaccines, tissue, organ, and cell transplants and/or grafts and/or infusions; and wound care formulations including topical ointments, lotions, cleaners, wipes, bandages, and dressings. The Active may be included in the formulations as a solute, a solvent, a particle, or an oil immiscible component of the formulation. The Active may be included in tablets, capsules, tinctures, liquids, or emulsions. Inventive healthcare formulations include formulations suitable for administration orally, topically, and/or by injection.



21: 2022/07552. 22: 2022/07/07. 43: 2023/10/30
51: C09D; B01F; C07F; C09J; C08K
71: ADVANSIX RESINS & CHEMICALS LLC
72: ASIRVATHAM, EDWARD
33: US 31: 62/950,403 32: 2019-12-19
54: SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES
00: -
Inks, paints, adhesives, and paint strippers may be formulated to include one or more surfactants, from one or more surfactant classes, such as siloxane derivatives of amino acids that have surface-active properties.

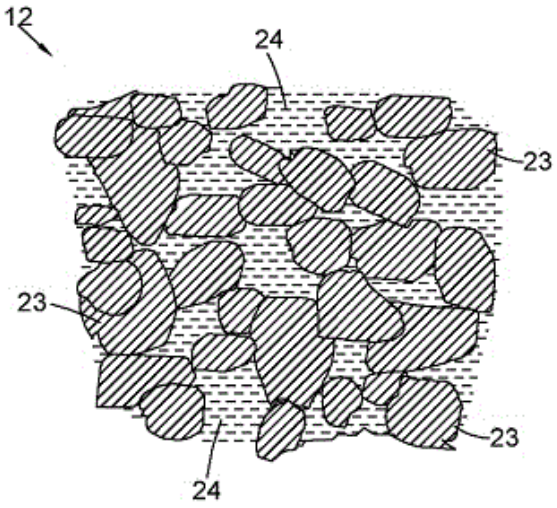


21: 2022/07553. 22: 2022/07/07. 43: 2023/10/24
51: B02C
71: General Electric Company
72: GIULIANO, John, PRAIRIE, Robert S.
33: US 31: 16/740,777 32: 2020-01-13
54: PULVERIZER SYSTEM AND MILLSIDE CONFIGURATION FOR A PULVERIZER SYSTEM
00: -
An enclosure for a pulverizer system includes a generally cylindrical body forming an internal cavity having a central axis, a cover positioned above the cylindrical body, and a floor positioned within the internal cavity of the cylindrical body, opposite the cover, the floor having a surface extending from a point nearest the central axis to an inner sidewall of the cylindrical body. The surface of the floor has a substantially constant radius of curvature.



21: 2022/07597. 22: 2022/07/08. 43: 2023/10/30
51: C22B
71: UMICORE
72: CRAUWELS, DIRK, VAN ROMPAEY, TIM, VERBRUGGEN, HILKE
33: EP 31: 20151085.6 32: 2020-01-10
54: METHOD FOR THE RECOVERY OF PLATINUM GROUP METALS FROM CATALYSTS COMPRISING SILICON CARBIDE
00: -
The invention concerns a process suitable for the recovery of platinum group metals (PGM) present in PGM-bearing catalysts comprising silicon carbide (SiC). More particularly, the process for the recovery of PGM present in PGM-bearing catalysts comprising SiC, comprises the steps of preparing a metallurgical charge by mixing the PGM-bearing catalysts with an Fe-oxide compound in an amount sufficient to oxidize at least 65% of the SiC, and feeding the metallurgical charge and slag formers to a smelting furnace operating in conditions susceptible to form a liquid Fe-based bullion, which contains PGM, and a liquid slag.Good to excellent PGM yields are obtained.

21: 2022/07662. 22: 2022/07/11. 43: 2023/10/30
51: C23F; C04B; E21B
71: ELEMENT SIX (UK) LIMITED
72: ALDMINGTON, DAVID, BALECA, CRISTIAN, ZVORISTE-WALTERS, CARMEN ELENA
33: GB 31: 1919481.0 32: 2019-12-31
54: METHOD OF PROCESSING POLYCRYSTALLINE DIAMOND MATERIAL
00: -
A method of processing a polycrystalline diamond (PCD) material having a non- diamond phase with a catalyst/solvent material includes leaching an amount of the catalyst/solvent from the PCD material by exposing at least a portion of the PCD material to a leaching mixture, the leaching mixture comprising hydrofluoric acid at a molar concentration of between 12M to around 28M, nitric acid at a molar concentration of between around 3M to around 10M; and water.



21: 2022/07663. 22: 2022/07/11. 43: 2023/10/30
51: B22F; C22C; B24D; E21B
71: ELEMENT SIX (UK) LIMITED, ELEMENT SIX GMBH
72: KONYASHIN, IGOR YURIEVICH, AMBURY, RACHAEL FIONA, FARAG, SEBASTIAN, NILEN, ROGER WILLIAM NIGEL, SPITS, RAYMOND ANTHONY
33: GB 31: 1919480.2 32: 2019-12-31
54: POLYCRYSTALLINE DIAMOND CONSTRUCTIONS & METHODS OF MAKING SAME
00: -
A polycrystalline diamond construction has a body of polycrystalline diamond (PCD) material; and a cemented carbide substrate bonded to the body of

polycrystalline material along an interface. The cemented carbide substrate has tungsten carbide particles bonded together by a binder material, the binder material comprising Co; and the tungsten carbide particles form at least around 70 weight percent and at most around 95 weight percent of the substrate. The cemented carbide substrate has a bulk volume, the bulk volume of the cemented carbide substrate having at least around 0.1 vol.% of inclusions of free carbon having a largest average size in any one or more dimensions of less than around 40 microns.

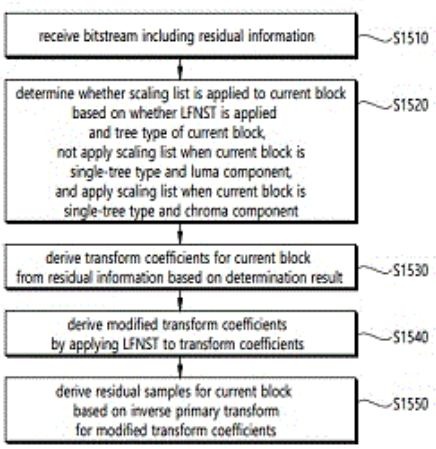
21: 2022/07664. 22: 2022/07/11. 43: 2023/10/31
51: B22F; B24D; C22C; E21B
71: ELEMENT SIX (UK) LIMITED, ELEMENT SIX GMBH
72: KONYASHIN, IGOR YURIEVICH, AMBURY, RACHAEL FIONA, FARAG, SEBASTIAN, NILEN, ROGER WILLIAM NIGEL, SPITS, RAYMOND ANTHONY
33: GB 31: 1919479.4 32: 2019-12-31
54: POLYCRYSTALLINE DIAMOND CONSTRUCTIONS & METHODS OF MAKING SAME
00: -
A polycrystalline diamond construction has a body of polycrystalline diamond (PCD) material; and a cemented carbide substrate bonded to the body of polycrystalline material along an interface. The cemented carbide substrate includes tungsten carbide particles bonded together by a binder material, the binder material comprising an alloy of Co, Ni and Cr; and the tungsten carbide particles form at least around 70 weight percent and at most around 95 weight percent of the substrate. The cemented carbide substrate has a bulk volume, the bulk volume of the cemented carbide substrate has at least around 0.1 vol.% of inclusions of free carbon having a largest average size in any one or more dimensions of less than around 40 microns.

21: 2022/07668. 22: 2022/07/11. 43: 2023/10/31
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: APPAVOO, SHANTHI, MAHAPATRA, SAMIRAN
33: EP 31: 20159976.8 32: 2020-02-28
33: IN 31: 202021003968 32: 2020-01-29
54: A HOME CARE COMPOSITION COMPRISING DEHYDROACETIC ACID
00: -
The present invention relates to a home care composition comprising dehydroacetic acid, a surfactant and an organic acid or its salt comprising citric acid or its salt.

21: 2022/07718. 22: 2022/07/12. 43: 2023/10/31
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: AMBRE, AVINASH SHANTARAM, BATCHELOR, STEPHEN NORMAN, PERKINS, ROBERT DAVID, NURANI PADMANABHAN, SAMBHAMURTHY, THOMAS, MATTHEW RHYS
33: EP 31: 20154288.3 32: 2020-01-29
33: EP 31: 20154286.7 32: 2020-01-29
33: EP 31: 20154292.5 32: 2020-01-29
54: LAUNDRY DETERGENT PRODUCT
00: -
A transparent plastic container comprising an aqueous liquid laundry detergent composition wherein the liquid detergent composition comprises: from 5 to 60 wt. % of surfactant; and from of 0.0005 to 0.01 wt.% of an amylase and/or from 0.0005 to 0.01 wt.% of a protease; and from 0.00005 to 0.02 wt. % of a dye comprising an anthraquinone chromophore which contains an amine group or an acid amide group in the 1-position of the anthraquinone ring; and wherein the container has an internal volume of from 0.1 to 10 L.

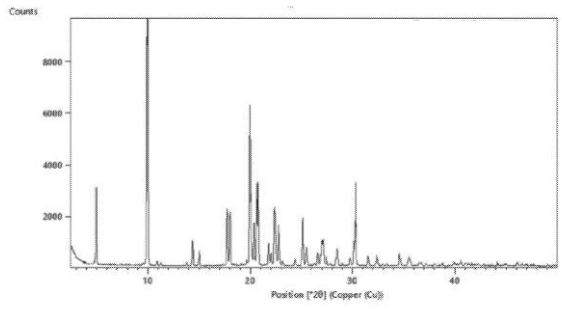
21: 2022/07720. 22: 2022/07/12. 43: 2023/10/31
51: H04N
71: LG ELECTRONICS INC.
72: KOO, MOONMO, KIM, SEUNGHWAN, LIM, JAEHYUN
33: US 31: 62/959,814 32: 2020-01-10
54: IMAGE CODING METHOD BASED ON TRANSFORM, AND DEVICE THEREFOR
00: -
An image decoding method according to the present document comprises the steps of: applying an LFNST to transform coefficients so as to derive modified transform coefficients; and deriving residual samples for a target block on the basis of an inverse primary transform for the modified transform coefficients, wherein the step of deriving the transform coefficients comprises: determining whether a scaling list is applied to a current block on the basis of a tree type of the current block and whether the LFNST is applied; and deriving

transform coefficients for the current block from residual information on the basis of the determination result, and when the tree type of the current block is a single tree and a chroma component, the scaling list can be applied.

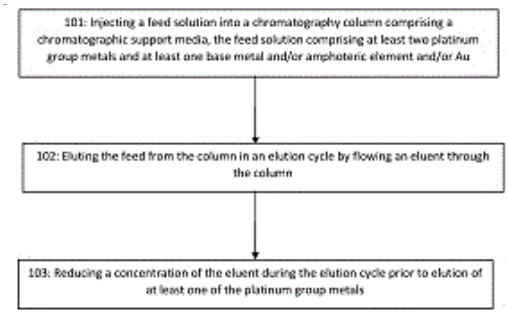


21: 2022/07729. 22: 2022/07/12. 43: 2023/10/25
51: A01N; C07D
71: Adama Agan Ltd.
72: ARONHIME, Judith, SELLA-EREZ, Rotem
33: US 31: 62/961,233 32: 2020-01-15
54: SOLID STATE FORM OF PYROXASULFONE
00: -
The present disclosure relates to a solid state form of Pyroxasulfone, processes for preparation thereof and agrochemical compositions thereof.

Figure 1: An X-ray powder diffractogram (XRPD) of Form A of Pyroxasulfone



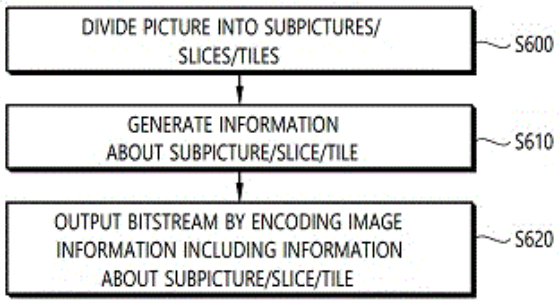
21: 2022/07787. 22: 2022/07/13. 43: 2023/10/31
51: B01D; G01N; C22B
71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY
72: GRANT, RICHARD ALASDAIR, O'SHAUGHNESSY, PAUL NOEL
33: GB 31: 2003835.2 32: 2020-03-17
54: CHROMATOGRAPHIC METHOD FOR SEPARATING TRANSITION METALS
00: -
A method for separating of at least two transition metals, the method comprising: injecting a feed solution into a chromatography column comprising a chromatographic support media, the feed solution comprising at least two transition metals; eluting the feed from the column in an elution cycle by flowing an eluent through the column, wherein a concentration of the eluent is reduced during the elution cycle prior to elution of at least one of the transition metals.



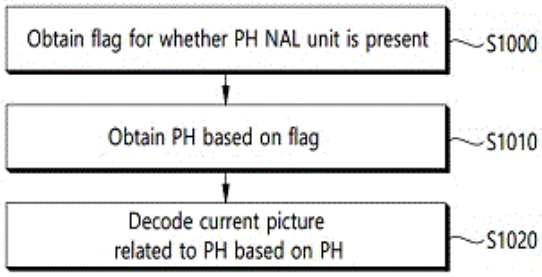
21: 2022/07799. 22: 2022/07/13. 43: 2023/10/30
51: C01B; B01D; B01J
71: TOPSOE A/S
72: LYKKE, MADS, BRORHOLT, LARS PIILMANN, SØRENSEN, PER AGGERHOLM
33: DK 31: PA 2020 00182 32: 2020-02-14
54: PROCESS FOR THE REMOVAL OF PARTICULATE MATTER FROM AN AQUEOUS STREAM
00: -
Process for the removal of particulate matter from an aqueous stream containing a concentrated acid, preferably concentrated sulfuric acid, said process comprising mechanical filtration by passing said aqueous stream through a filter unit, said filter unit comprising a metallic, ceramic or polymeric filter, or a filter comprising a filter aid on a septum. The aqueous stream is the exit stream of a sulfuric acid condenser, optionally the exit stream of a sulfuric acid concentrator arranged downstream the sulfuric acid condenser.

21: 2022/07800. 22: 2022/07/13. 43: 2023/10/30
51: H04N
71: LG ELECTRONICS INC.

72: HENDRY, HENDRY
33: US 31: 62/953,132 32: 2019-12-23
54: PICTURE SPLITTING-BASED IMAGE CODING DEVICE AND METHOD
00: -
According to one embodiment of the present document, a (decoded) picture can be split into sub-pictures. Information related to the sub-pictures can be acquired by means of a decoding device, and a decoding procedure can be performed on the basis of the information related to the sub-pictures. In one embodiment, the decoding device can determine, on the basis of the information about the sub-pictures, the location in which information related to locations of virtual boundaries for in-loop filtering is signaled.



21: 2022/07802. 22: 2022/07/13. 43: 2023/10/30
51: H04N
71: LG ELECTRONICS INC.
72: HENDRY, HENDRY
33: US 31: 62/956,634 32: 2020-01-02
54: IMAGE DECODING METHOD AND APPARATUS FOR CODING IMAGE INFORMATION INCLUDING PICTURE HEADER
00: -
An image decoding method performed by a decoding apparatus according to the present document comprises the steps of: acquiring a flag indicating whether a picture header (PH) network abstraction layer (NAL) unit exists; acquiring a PH on the basis of the flag; and decoding a current picture related to the PH on the basis of the PH.

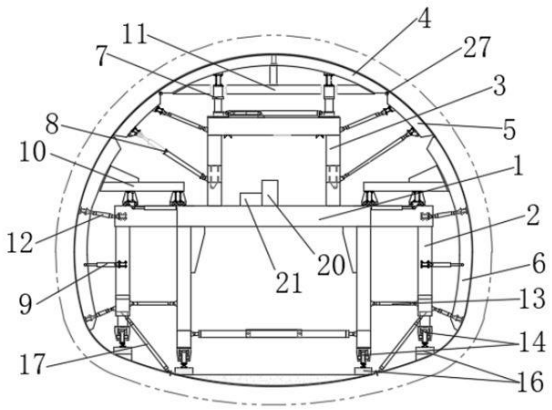


21: 2022/07803. 22: 2022/07/13. 43: 2023/10/30
51: C01B; C01C; C07C
71: TOPSOE A/S
72: TJÄRNEHOV, EMIL ANDREAS, HAN, PAT A
33: DK 31: PA 2020 00256 32: 2020-02-28
54: CO-PRODUCTION OF METHANOL, AMMONIA AND UREA
00: -
Sequential and once-through (single pass) process for the co-production of methanol and ammonia and conversion of at least a part of ammonia to urea by reaction of the ammonia with carbon dioxide collected from a primary reformer flue gas together with carbon dioxide separated from reformed gas in a carbon dioxide removal stage.

21: 2022/07804. 22: 2022/07/13. 43: 2023/10/30
51: A61K; C07D
71: FOGHORN THERAPEUTICS INC.
72: VASWANI, RISHI G, HUANG, DAVID S
33: US 31: 62/967,359 32: 2020-01-29
54: COMPOUNDS AND USES THEREOF
00: -
The present disclosure features compounds useful for the treatment of BAF complex-related disorders.

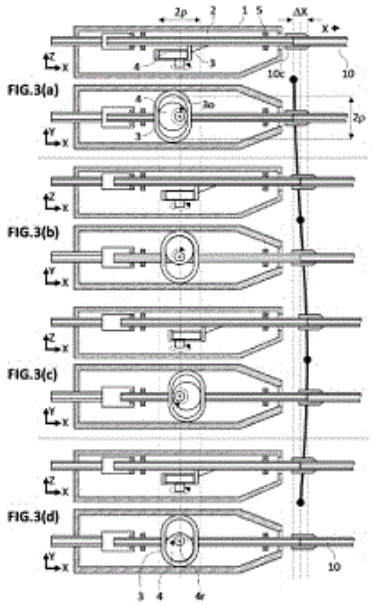
21: 2022/07826. 22: 2022/07/14. 43: 2023/10/24
51: E21D
71: CHINA RAILWAY 22ND BUREAU GROUP RAIL ENGINEERING CO., LTD, CHINA RAILWAY 22ND BUREAU GROUP CORPORATION LIMITED
72: LV, Chenglin, YANG, Shumin, WANG, Xinping, GUO, Jianbo, ZOU, Sipeng, HE, Xianhu, QI, Tengwu, GAO, Sijia, LIU, Jianhui, JIANG, Long, FENG, Zhanbing, SU, Xiaogang, YONG, Jialin
33: CN 31: 202111633828.7 32: 2021-12-29
54: STEEL FORMWORK TROLLEY FOR TUNNEL LINING
00: -
The disclosure discloses a steel formwork trolley for tunnel lining, including a steel structure system, a

hydraulic system and an electrical system. The steel structure system comprises a frame body assembly, a formwork assembly, an aligning and translation assembly, a support assembly and a walking assembly. An aligning mechanism adjusts the left and right translation of the top formwork through the expansion and contraction of the aligning oil cylinder; a translation mechanism adjusts the movement of the platform beam through the expansion and contraction of the translation oil cylinder; and the hydraulic system uses a three-position four-way manual reversing valve for reversing. Each oil cylinder is provided with a hydraulic lock and controlled by using one reversing valve to expand and contract the oil cylinder, and the hydraulic lock locks the four lifting oil cylinders to ensure that the formwork does not slide down at the positioning elevation.



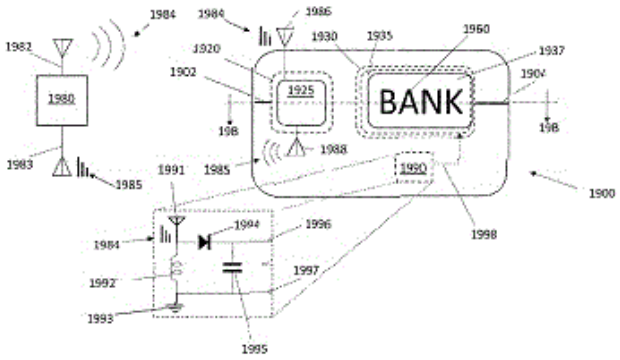
21: 2022/07846. 22: 2022/07/14. 43: 2023/10/30
51: C07K; C12N; C12P
71: CJ CHEILJEDANG CORPORATION
72: JANG, JAEWON, SHIM, JIHYUN, PARK, SANG MIN, BAE, HYUN WON, BYUN, HYO JEONG, SHIN, YONG UK, LEE, HAN HYOUNG, LIM, BORAM, JUNG, MOO YOUNG, CHOI, YUNJUNG
33: KR 31: 10-2020-0017559 32: 2020-02-13
54: MICROORGANISM COMPRISING VARIANT LYSE AND METHOD OF L-AMINO ACID PRODUCTION USING SAME
00: -
Provided are a microorganism comprising variant LysE, and an L-amino acid producing method using same. The variant LysE may improve L-amino acid excretion and/or production capacity compared to a wild type.

21: 2022/07848. 22: 2022/07/14. 43: 2023/10/30
51: A61M
71: PLASCERE
72: LELEU, DAVID
54: LIGHTWEIGHT POWERED HANDPIECE FOR A LIPOSUCTION DEVICE AND MEDICAL DEVICE COMPRISING SAME
00: -
The present invention concerns a powered handpiece for imparting to a cannula of a medical device a reciprocal movement of amplitude (Δχ) along a longitudinal axis (X), the powered handpiece comprising a housing (1) at least partially enclosing, (a) a hollow tube (2) extending along the longitudinal axis (X) between an inlet end (21) and an outlet end (2o), configured for translating back and forth along the longitudinal axis (X) by a distance (ΔX) relative to the housing (1), the inlet end (2i) being configured for coaxially coupling the hollow tube (2) to a hollow cannula (10), (b) a ring (3) rigidly coupled to the hollow tube (2) and comprising an opening (3o) defined on a plane (X, Y), having a length, L, measured along a first transverse axis (Y) and a width, W, measured along the longitudinal axis (X), wherein Y l X, (c) a cam (4) mounted on a rotation axle (4r) parallel to a second transverse axis (Z) normal to the plane (X, Y) (i.e., X l Y l Z), offset from a centroid (C) of the cam on the plane (X, Y) by a distance (δP), and set at a fixed position relative to the housing (1), the cam being engaged in the opening (3o), wherein upon rotation about the rotation axle, the cam is configured for rotating within the ring and defining a largest radius of rotation (p) defined on the plane (X, Y), and wherein the largest radius of rotation (ρ) is not more than half the length, L, of the opening (ρ ≤ ½ L) and is larger than the width, W, of the opening, wherein the rotation of the cam (4) engaged in the opening (3o) of the ring (3) drives a reciprocal translation of the hollow tube (2) back and forth along the longitudinal axis (X) by the distance (ΔX) relative to the housing (1).



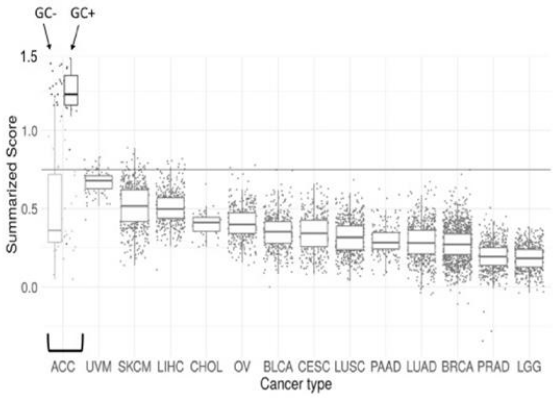
21: 2022/07849. 22: 2022/07/14. 43: 2023/10/30
51: C12N
71: ASKLEPIOS BIOPHARMACEUTICAL, INC.
72: YANEZ-CUNA, JORGE OMAR, IGLESIAS, JUAN MANUEL, COOPER, SINCLAIR, BAKER, KATIE, KATSOUPI, POLYXENI, RAJAN, RINKU, GUERRINI, ILEANA, EVRIPIOTI, ANTONIA, MOURAO, KIRA, ROBERTS, MICHAEL L
33: GB 31: 2012192.7 32: 2020-08-05
33: GB 31: 1919269.9 32: 2019-12-24
54: REGULATORY NUCLEIC ACID SEQUENCES
00: -
The present invention relates to regulatory nucleic acid sequences, in particular muscle- specific promoters, elements thereof, and other such nucleic acid sequences, that are capable of enhancing muscle-specific expression of genes. The invention also relates to expression constructs, vectors and cells comprising such muscle-specific regulatory nucleic acid sequences, and to methods of their use. The regulatory nucleic acid sequences are of particular utility for gene therapy applications, but also find utility in other areas such as bioprocessing and biotechnology.

21: 2022/07852. 22: 2022/07/14. 43: 2023/10/30
51: G06K
71: COMPOSECURE, LLC
72: LOWE, ADAM, ESAU, JOHN
33: US 31: 16/751,285 32: 2020-01-24
54: METAL, CERAMIC, OR CERAMIC-COATED TRANSACTION CARD WITH WINDOW OR WINDOW PATTERN AND OPTIONAL BACKLIGHTING
00: -
A transaction card (1900) includes at least one metal layer (1910) having one or more apertures (1920, 1930) therein. A light guide (1933) is disposed beneath the metal layer. The light guide has a light output and a light input. The light output is positioned to transmit light through at least the one or more apertures of the metal layer. At least one LED (1935) is positioned to transmit light into the light guide light input.



21: 2022/07893. 22: 2022/07/15. 43: 2023/11/14
51: A61K; C07K; A61P
71: CORCEPT THERAPEUTICS INCORPORATED
72: GREENSTEIN, Andrew, GRAUER, Andreas, SHEPHERD, Stacie
33: US 31: 62/967,517 32: 2020-01-29
33: US 31: 63/040,941 32: 2020-06-18
33: US 31: 63/125,630 32: 2020-12-15
54: TREATMENT OF ADRENOCORTICAL CARCINOMA WITH SELECTIVE GLUCOCORTICOID RECEPTOR MODULATORS (SGRMS) AND ANTIBODY CHECKPOINT INHIBITORS
00: -
Methods and compositions for treating a subject suffering from adrenocortical carcinoma and having excess cortisol are disclosed. The methods provide therapeutic benefits including reduction of ACC tumor load, restoration of T-cell and natural killer (NK) cell signaling pathways, increase in T-cell and NK cell infiltration into the ACC tumor, reduction of neutrophil infiltration into the ACC tumor in the patient, and other therapeutic benefits. The methods include administration of a glucocorticoid receptor modulator (GRM) (which may be a selective

glucocorticoid receptor modulator (SGRM)) and an antibody checkpoint inhibitor. In embodiments, the GRM (e.g., a SGRM) is orally administered. The GRM may be a nonsteroidal compound comprising: a fused azadecalin structure; a heteroaryl ketone fused azadecalin structure; or an octahydro fused azadecalin structure.



21: 2022/07898. 22: 2022/07/15. 43: 2023/10/30
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: AMBRE, AVINASH SHANTARAM, BATCHELOR, STEPHEN NORMAN, NURANI PADMANABHAN, SAMBHAMURTHY, THOMAS, MATTHEW RHYS
33: EP 31: 20154286.7 32: 2020-01-29
33: EP 31: 20154292.5 32: 2020-01-29
33: EP 31: 20154288.3 32: 2020-01-29
54: LAUNDRY DETERGENT PRODUCT
00: -
A transparent plastic container comprising an aqueous liquid laundry detergent composition wherein the liquid detergent composition comprises: from 5 to 60 wt. % of surfactant; and from 0.001 to 2 wt. % of a sequestrant, wherein the common logarithm of the Fe3+ binding constant of the sequestrant is at least 19.0; and from 0.00005 to 0.02 wt. % of a dye comprising an anthraquinone chromophore which contains an amine group or an acid amide group in the 1-position of the anthraquinone ring; and wherein the container has an internal volume of from 0.1 to 10 L.

21: 2022/07902. 22: 2022/07/15. 43: 2023/10/30
51: G01M
71: BEP EUROPE N.V.
72: DESMET, YVES JEROOM ANDRÉ
33: BE 31: BE2020/5017 32: 2020-01-10
54: DEVICE FOR APPLYING VIBRATIONS TO PASSENGER CARS
00: -
Device for applying vibrations to passenger cars, which device has a platform with a roller on which a front or rear pair of wheels of the passenger car can be positioned, wherein the roller has for each wheel positioned thereon at least two tracks with a different relief, all this such that in a first position the passenger car is located with the wheels on a first pair of the tracks and in a second position is located with the wheels on another pair of the tracks and so that by rotating the rollers under the wheels vibrations are applied to the passenger car by the relief of the roller, wherein each track has a width which is greater than a greatest of the different wheel widths and wherein there is a distance between each of the first and second pair of the tracks which is substantially equal to a greatest of the different track widths.

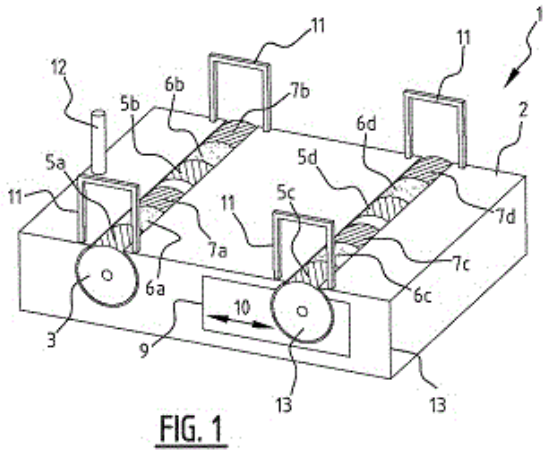


FIG. 1

21: 2022/07903. 22: 2022/07/15. 43: 2023/10/30
51: G02B
71: FURUKAWA ELECTRIC LATAM S.A.
72: PASETTI, GABRIEL TANNER, CHIRON, XAVIER BENOIT STÉPHANE, DA CRUZ, MARCELO SILVA, DE LIMA, JOÃO FILIPE ALVES
33: BR 31: BR 10 2019 027520 0 32: 2019-12-20
54: OPTICAL TERMINAL BOX FOR DISTRIBUTING OPTICAL POWER
00: -
The box has a cover (2) and a base (1) comprising: internal supports (25) positioning the optical fibers of splitters circumferentially; a support (24a/24b) for an unbalanced optical splitter (242) and a support

(24a/24b) for a balanced optical splitter (241); and a support (26) for a set (23) of optical adapters for connectors (230) of optical cables, comprising an adapter for an optical signal input, an adapter for re-distributing the optical signal, and adapters for feeding the optical signal to a consumer unit, in which the unbalanced splitter (242) is fed by the optical signal input connector generating: an optical signal of greater power, feeding the optical signal redistribution connector; an optical signal of lesser power feeding the balanced optical splitter (241) that orients the split optical signals to the supply connectors of a consumer unit.

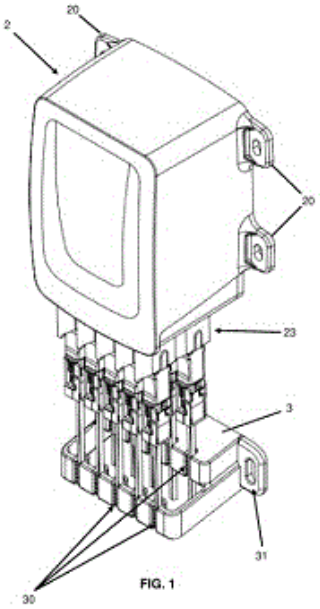


FIG. 1

21: 2022/07904. 22: 2022/07/15. 43: 2023/10/31
51: G02B
71: FURUKAWA ELECTRIC LATAM S.A.
72: CHUNG, NICOLAS
33: BR 31: BR 20 2019 027557 5 32: 2019-12-20
54: OPTICAL TERMINAL BOX FOR INDOOR USE
00: -
The box houses and holds a connection terminal (TC), coupling an end connector (CE) of a drop cable (CD) and an end plug (PE) of an optical cord (CO) of a user and comprising a base (10) having a front face (10a) including a jaw (20) at a first edge (11) that receives and holds the drop cable (CD), a pair of lateral claws (30) in the middle locking the connection terminal (TC), and a stop (18) at a second edge (12) with a middle window (18a) enabling the optical cord (CO) to pass through. The box also includes a cover (60) with a front wall (61), and end walls (62) with windows (62a) that surround a portion of the jaw (20) and the middle window (18a) of the stop (18), and longitudinal walls (63), that can be locked on the front face (10a) of the base (10).

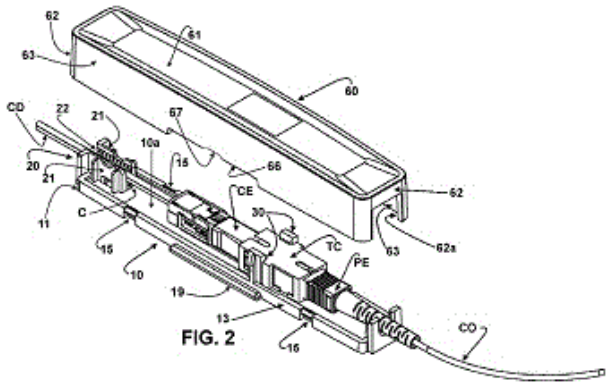


FIG. 2

21: 2022/07905. 22: 2022/07/15. 43: 2023/10/31
51: C09K; E21B
71: ADVANSIX RESINS & CHEMICALS LLC
72: ASIRVATHAM, EDWARD
33: US 31: 62/955,873 32: 2019-12-31
54: SURFACTANTS FOR OIL AND GAS PRODUCTION
00: -
Surfactants for use in formulations and processes suitable for hydrocarbon recovery. These formulations, include formulations suitable for fracking, enhancing oil and or gas recovery, and the recovery and or production of bio-based oils.

21: 2022/07961. 22: 2022/07/18. 43: 2023/11/20
51: E04H
71: SEBOR, Pavel, SEBOR, Robert
72: SEBOR, Pavel, SEBOR, Robert
33: US 31: 62/978,529 32: 2020-02-19
54: AUTOMATIC POOL CLEANER
00: -
A pool cleaner includes a vent mechanism and a water port in fluid communication with the vent mechanism. When a forward end of the pool cleaner extends above a waterline of the pool, water flows through the vent mechanism and the water port over a plenum and prevents loss of suction at the cleaner's inlet port. A protruding member of the pool cleaner contacts submerged obstacle and tilts the

pool cleaner to prevent the pool cleaner from becoming stuck on the submerged obstacle.

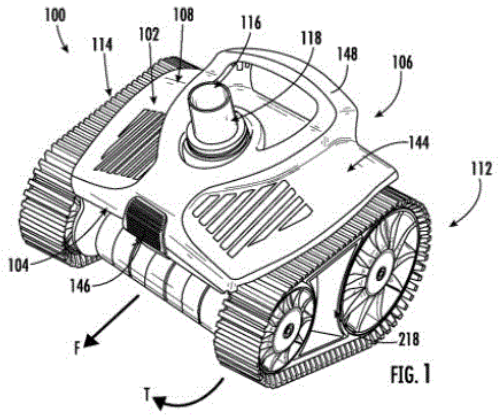
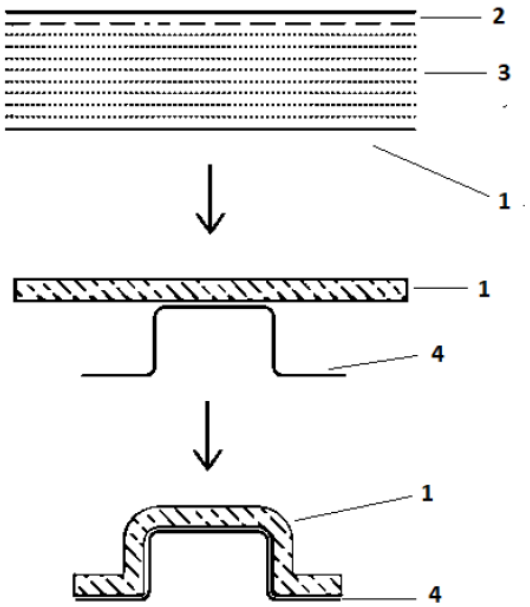


FIG. 1

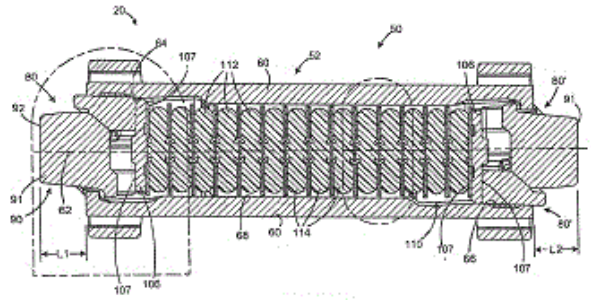
21: 2022/07966. 22: 2022/07/18. 43: 2023/09/27
51: B29C; B29K; B32B
71: SURFORMA, S.A.
72: BRITO DA COSTA, Claudia, ESTEVES DE SOUSA FANGUEIRO, Raul Manuel, MACEDO DA CUNHA, Fernando Eduardo, COSTA MOTA, Carlos Miguel, SOARES TEIXEIRA, Jorge Filipe
33: PT 31: 116068 32: 2020-01-21
54: METHOD FOR THE MANUFACTURE OF POST-DEFORMABLE HIGH-PRESSURE COMPOSITE AND PRODUCT OBTAINED THEREFROM
00: -
The present invention pertains to the field of thermo-laminated and compact high-pressure composites, namely it relates to a method for the manufacture of a post-deformable high-pressure composite, which can be used in the automotive, aeronautics, railway and naval industries, as well as in the architecture and design sector, both in indoor and outdoor environments, comprising the steps of formation of a composite (1) by the arrangement of at least two layers of material, including a layer of Kraft paper sheets (3) coated with thermoplastic resin and a layer of decorative coating. The composite formed in a flat shape, when subjected to a certain temperature and pressure in a mould (4), changes in its geometry according to the shape of that mould (4). The invention also relates to the product obtained with the aforementioned manufacturing method.



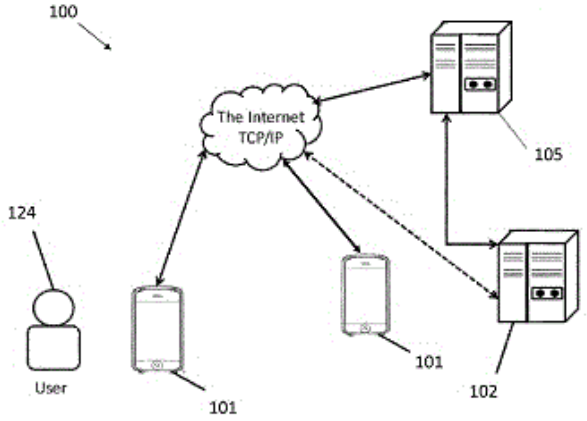
21: 2022/07971. 22: 2022/07/18. 43: 2023/10/30
51: B01J; C07B; C07C
71: MITSUBISHI CHEMICAL CORPORATION
72: ABE, YOSHIMUNE, KANUKA, NARIYASU, OKADA, SHIGEKI, KOUNO, SOUHEI
33: JP 31: 2020-014788 32: 2020-01-31
54: METHOD FOR PRODUCING CATALYST, AND METHOD FOR PRODUCING ACRYLIC ACID
00: -
Provided is a method for producing a catalyst which is used in a gas-phase contact oxidation reaction for producing an unsaturated carboxylic acid such as an acrylic acid and a methacrylic acid from an unsaturated aldehyde such as acrolein and methacrolein, and which has a high raw material conversion rate as well as product selectivity, and has an excellent yield of an unsaturated carboxylic acid. The method for producing a catalyst for synthesizing an unsaturated carboxylic acid comprises a molding step for molding a powder containing each catalyst component to form a catalyst precursor, wherein in the molding step, a sulfur-containing inorganic compound is added to mold the powder.

21: 2022/07973. 22: 2022/07/18. 43: 2023/10/30
51: B61G
71: MINER ENTERPRISES, INC.

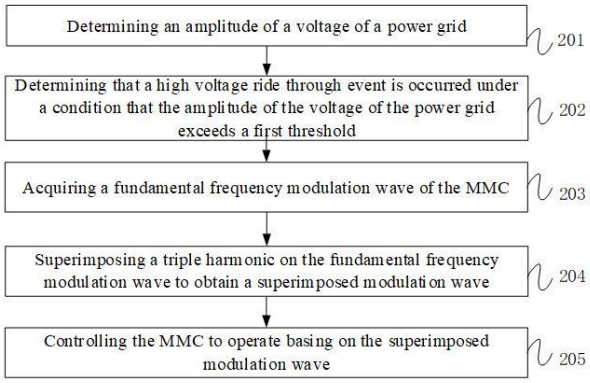
72: KRIES, ANDY R, SCHOEDL, ERICH A, SALIS, KEITH A, JAMES, KENNETH A, BIEHL, RICHARD B
33: US 31: 63/013,666 32: 2020-04-22
33: US 31: 17/223,868 32: 2021-04-06
54: RAILROAD FREIGHT CAR COUPLING SYSTEM
00: -
A railroad freight car coupling system utilizing purely mechanical cushioning assemblies at opposed ends of the ear. Each cushioning assembly includes an elongated draft gear assembly including two individually operable and axially spaced assemblies for absorbing both buff and draft forces. Each draft gear assembly includes an axially elongated and hollow metal housing with a first open end and a second open end disposed in longitudinally spaced relation relative to each other. The draft gear assembly is provided with first and second spring biased assemblies at opposed open ends of the housing for absorbing, storing and returning energy directed against a railroad freight ear with which the draft gear assembly is arranged in operable combination.



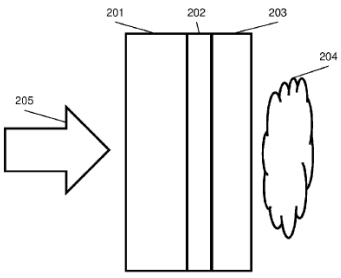
21: 2022/07976. 22: 2022/07/18. 43: 2023/10/30
51: G06F; G06N
71: VERIDIUM IP LIMITED
72: IONESCU, RADU TUDOR, RISTEA, NICOLAE-CATALIN, NOAICA, CRISTINA MADALINA, VLAD, RADU-MIHAI, DUMITRAN, IONUT
33: US 31: 62/957,653 32: 2020-01-06
54: SYSTEM AND METHOD FOR DISENTANGLING FEATURES SPECIFIC TO USERS, ACTIONS AND DEVICES RECORDED IN MOTION SENSOR DATA
00: -
Methods and systems for disentangling discriminative features of a user of a device from motion signals and authenticating a user on a mobile device are provided. In at least one aspect of the methods and systems, each captured motion signal is divided into segments. The segments are then converted into translated segments using one or more trained translation algorithms. The segments and translated segments are then provided to a machine learning system. Discriminative features of the user are then extracted from the segments and translated segments with the processor using the machine learning system that applies one or more feature extraction algorithms.



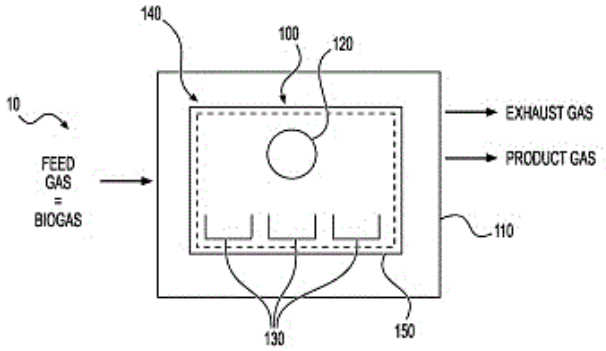
21: 2022/08018. 22: 2022/07/19. 43: 2023/11/14
51: H02J
71: XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
72: FENG, Qita, TANG, Mingjie, LI, Ang
33: CN 31: 202010046620.4 32: 2020-01-16
54: WIND FARM, HIGH VOLTAGE RIDE THROUGH CONTROL METHOD THEREFOR, SYSTEM, MMC AND MACHINE-SIDE INVERTER
00: -
A wind farm, and a method for controlling high voltage ride through, a system, a MMC and a machine-side converter therefor are provided. The method for controlling high voltage ride through control method for the wind farm includes: determining an amplitude of a voltage of a power grid; determining that a high voltage ride through event is occurred under a condition that the amplitude of the voltage of the power grid exceeds a first threshold; acquiring a fundamental frequency modulation wave of the MMC; superimposing a triple harmonic on the fundamental frequency modulation wave to obtain a superimposed modulation wave; and controlling the MMC to operate basing on the superimposed modulation wave.



21: 2022/08023. 22: 2022/07/19. 43: 2023/09/27
51: G21B; G21F; H01F
71: TOKAMAK ENERGY LTD
72: ASTBURY, Jack, DAVIS, Thomas, MIDDLEBURGH, Simon
33: GB 31: 1919059.4 32: 2019-12-20
33: GB 31: 2015029.8 32: 2020-09-23
54: LAYERED NEUTRON SHIELDING
00: -
Neutron shielding. The neutron shielding comprises a plurality of absorption layers (201, 203), and at least one moderating layer (202). The plurality of absorption layers each comprise tungsten boride or tungsten carbide. The at least one moderating layer comprises a metal hydride. Each moderating layer is between at least two absorption layers.



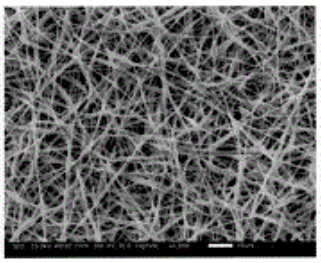
21: 2022/08031. 22: 2022/07/19. 43: 2023/10/31
51: B01D
71: XEBEC ADSORPTION INC.
72: MANGHOOTAEE, MOHAMMAD GHASDI, GOUDREAU, SOPHIE, TORRES, ALBERTO, IUHAS, CRISTIAN STEFAN, JEWELL, RICHARD PETER GLYNN, D'AGOSTINO, VINCENZO, GAGNON, STEPHANE
33: US 31: 63/085,029 32: 2020-09-29
33: US 31: 62/959,697 32: 2020-01-10
33: US 31: 63/108,797 32: 2020-11-02
54: CONTAINERIZED PRESSURE SWING ADSOPRTION (PSA) UNITS FOR PROCESSING BIOGAS
00: -
A system for processing biogas, the system comprising: a container, a pressure swing adsorption (PSA) unit housed in the container, the PSA unit having: a plurality of beds containing adsorbent material, the adsorbent material configured to selectively adsorb gas species from the biogas to process the biogas, a rotary valve module for distributing flow of 5 the biogas within the PSA unit, an inlet for supplying the biogas to the plurality of beds from outside of the container, and an outlet for transporting the processed biogas away from the PSA unit.

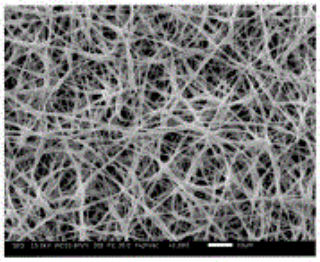


21: 2022/08033. 22: 2022/07/19. 43: 2023/10/30
51: A61K
71: METRIOPHARM AG
72: BRYSCH, WOLFGANG, KAISER, ASTRID, SCHULZ, PETRA, SCHUMANN, SARA, VON WEGERER, JÖRG
33: EP 31: 20000051.1 32: 2020-01-31
54: USE OF 5-AMINO-2,3-DIHYDRO-1,4-PHTHALAZINEDIONE IN THE INHALATORY TREATMENT OF INFLAMMATORY PULMONARY DISEASES
00: -
The present invention relates to the use of 5-amino-2,3-dihydro-1,4-phthalazinedione or its pharmaceutically acceptable salts in the inhalatory treatment of inflammatory pulmonary diseases. The invention in particular relates to the use of 5-amino-2,3-dihydro-1,4-phthalazinedione sodium salt for said purposes. Advantageous features of an aerosol containing 5-amino-2,3-dihydro-1,4-phthalazinedione or its pharmaceutically acceptable salts and a method for producing said aerosol are disclosed.

The present invention further relates to a kit for inhalatory treatment of inflammatory pulmonary diseases.

21: 2022/08035. 22: 2022/07/19. 43: 2023/10/30
51: A61L; A61F; A61K; A61P
71: NIPPON ZOKI PHARMACEUTICAL CO., LTD.
72: KONISHI, TAKAFUMI, NAIKI, MITSURU, UJITA, TOSHIKO, YAMAMOTO, HITOSHI
33: JP 31: 2020-000615U 32: 2020-02-25
33: JP 31: 2020-029404 32: 2020-02-25
33: JP 31: 2020-000097U 32: 2020-01-14
33: JP 31: 2020-004189 32: 2020-01-15
54: MEDICAL SHEET
00: -
The present invention provides a medical sheet which comprises nonwoven fabric formed of fibers containing aliphatic polyester, has a void ratio of 50-90%, and has cell infiltration-suppressing action. The sheet according to the present invention is very useful because the sheet has excellent neuroprotection and/or neuroregeneration actions which protect nerves by suppressing the infiltration of inflammatory cells such as macrophages and do not have a stimulation having an adverse effect on a nerve in order to allow body fluids to pass through the sheet by winding the sheet around the nerve of damaged peripheral nerve area.


Sheet A


Sheet B

21: 2022/08036. 22: 2022/07/19. 43: 2023/10/30
51: B63H
71: MARCOVICH, PHILIPPE, DE TURCKHEIM, HUGUES
72: DE TURCKHEIM, HUGUES
33: FR 31: 20 00594 32: 2020-01-22
54: CAMBERING DEVICE FOR PROFILED SAIL
00: -
Disclosed is a cambering device (1) for a profiled sail (V) comprising: - an elastically deformable semi-rigid structure (2), comprising: -- two length sections, extending one in front of the other, respectively forming a first length section (20) secured to a first surface of the profiled sail and a second length section (21) secured to a second surface of the profiled sail (V), -- a U-shaped connecting section (22), connecting the two length sections together, ending at the trailing edge of the sail with two free ends (23,24), - a spacing system (3) configured to work in compression and tension, in order to maintain a gap between the two length sections (20, 21), - actuating means (4) connecting the two free ends (23, 24) of the semi-rigid structure together.

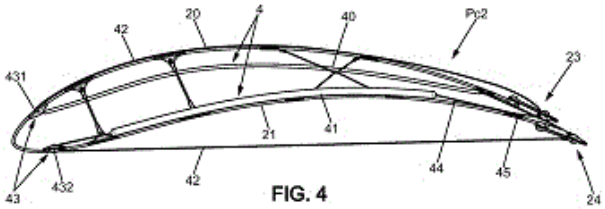
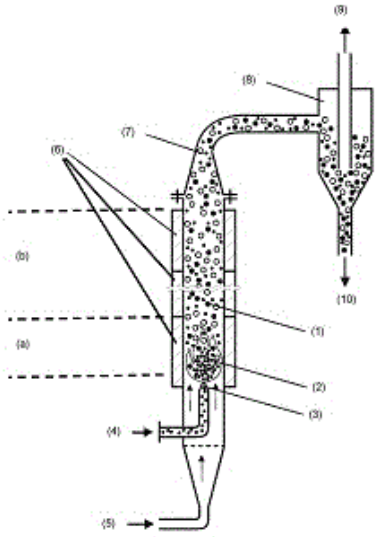


FIG. 4

21: 2022/08037. 22: 2022/07/19. 43: 2023/10/30
51: C03B; C03C
71: OMYA INTERNATIONAL AG
72: OLBERT, GERHARD, PASIN E MATOS, LAILA RAQUEL, HELWIG, EKATERINA
33: EP 31: PCT/EP2020/051743 32: 2020-01-24
54: PROCESS OF MANUFACTURING HOLLOW SPHERICAL GLASS PARTICLES
00: -
Process for the preparation of hollow spherical glass particles comprising at least SiO2, Al2O3, and an alkali metal oxide, wherein the process comprises the preparation of precursor particles comprising at least SiO2, Al2O3, and an alkali metal oxide by mixing the starting materials, slurrying the starting materials with water followed by spry-drying and heat-treating the obtained precursor-particles at a temperature from 1000°C to 1800°C, preferably from 1300°C to 1600°C by contacting the precursor particles with at least one naked flame.

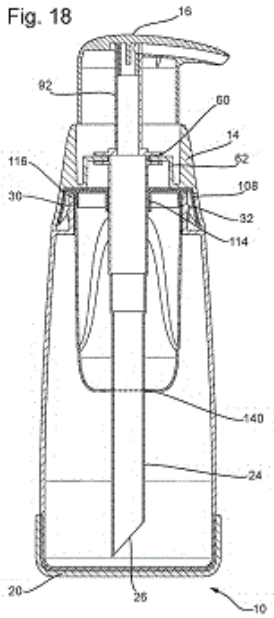


21: 2022/08039. 22: 2022/07/19. 43: 2023/10/31
51: B05B; B65D
71: UNILEVER GLOBAL IP LIMITED
72: DAIGLER, MEEGAN, KWAK, ALBERT J, PARADISE, CHARLES SIMON
33: EP 31: 20167791.1 32: 2020-04-02
33: US 31: 62/964,073 32: 2020-01-21

54: BOTTLE AND REFILL

00: -

A refill cartridge and a bottle to contain the cartridge. The refill includes at least two sealed openings, one at the top and one at the bottom. They may be sealed by an in mold label. The bottle is suitable for including the cartridge and may also include a pump and a dip tube. The dip tube is used to pierce the top and bottom seals of the cartridge when the bottle closure is screwed onto the bottle. Piercing the bottom seal releases product into the water filled interior of the body of the bottle. Typically the product will be a concentrate such as a body wash or hand washing concentrate. The bottle preferably includes an aperture or window through which at least a portion of the cartridge can be seen so that the consumer can determine which variation of product is present in the refill in the bottle.



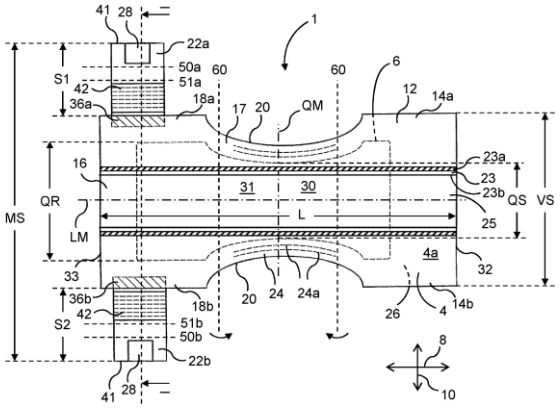
21: 2022/08049. 22: 2022/07/19. 43: 2023/11/06
51: A61F
71: PAUL HARTMANN AG
72: THIRION, Joel, JAEGER, Noel, OZIAU, Francois Marie, MÖHLMANN, Jochen
33: EP 31: 20154937.5 32: 2020-01-31

54: DISPOSABLE INCONTINENCE NAPPY HAVING ASYMMETRICAL FOLDING OF THE REAR SIDE SECTIONS

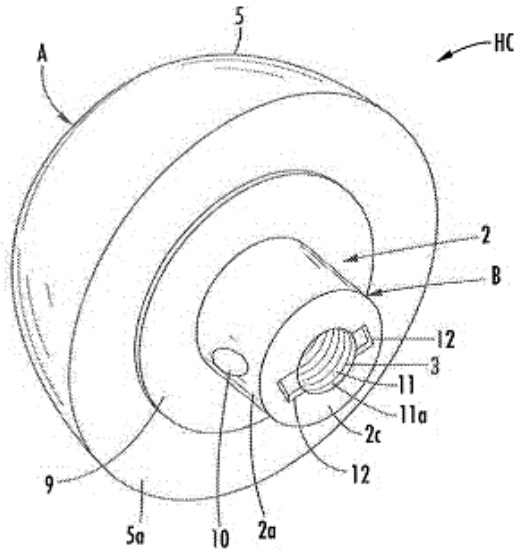
00: -

The invention relates to a disposable incontinence nappy having a main part, wherein the main part has a first rear side section and a second rear side section, wherein the first rear side section is folded onto itself at a number N1 of first side section folding axes extending in the longitudinal direction to form a first fold arrangement of the first rear side section, wherein the second rear side section is folded onto itself at a number N2 of second side section folding axes extending in the longitudinal direction to form a first fold arrangement of the second rear side section, wherein the first fold arrangement of the first rear side section is folded inward onto a body-facing upper side of the main part at a number N3 of first product folding axes extending in the longitudinal direction to form a second fold arrangement, wherein the first fold arrangement of the second rear side section is folded inward onto the body-facing upper side of the main part at a number N4 of second product folding axes extending in the longitudinal

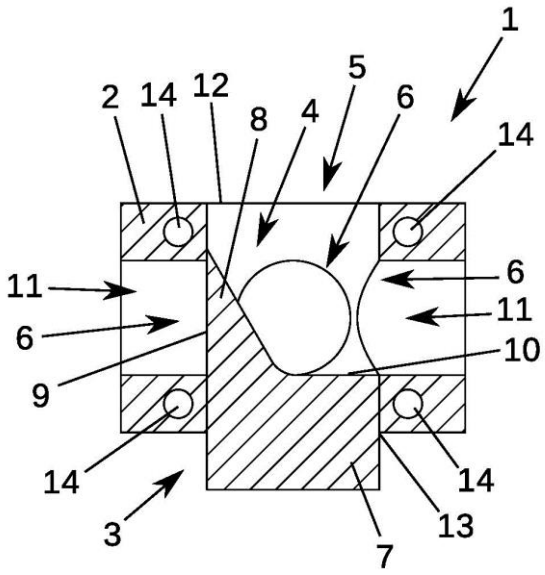
direction to form a third fold arrangement, wherein N3 is less than N4.



21: 2022/08080. 22: 2022/07/20. 43: 2023/10/31
51: A61F; A61B
71: JOINT INNOVATION TECHNOLOGY, LLC
72: TERMANINI, ZAFER
33: US 31: 15/911,128 32: 2018-03-04
54: ARTHROSCOPIC SHOULDER ARTHROPLASTY, COMPONENTS, INSTRUMENTS, AND METHOD THEREOF
00: -
An implantable humeral component (HC) which comprises a head part (A) fixable or affixed to a base part (B) having an articular bearing surface (5) having a flat back surface (5b) and a central recess (6) configured to receive and retain within it the insert portion (2b) of a fixation portion (2). The fixation portion (2) has an insert portion (2b) configured to be received within the central recess (6), and a central peg (2a) configured to be received within a humerus. The central peg (2a) has a base (2c), and an axial threaded recess (11) extending inwardly from the base (2c), an alignment recess (12) extending inwardly from the base (2c), and at least one transverse hole (10) within the central peg (2a) for receiving a locking fixation screw (75).



21: 2022/08097. 22: 2022/07/20. 43: 2023/10/24
51: F16K
71: Aurotec GmbH, Nordson Corporation
72: HERMANN, Helmut, WÖSTMANN, Stefan, ZIKELI, Stefan, ZAUNER, Philipp, LONGIN, Michael
33: EP(AT) 31: 20152892.4 32: 2020-01-21
54: VALVE
00: -
The invention relates to a valve (1) having a valve housing (2) and a shut-off element (3), the valve housing (2) having a cavity (4) for receiving the shut-off element (3), at least one inlet opening (5) for a fluid to flow into the cavity (4) and at least three outlet openings (6) for the fluid to flow out of the cavity (4), the shut-off element (3) having a guide body (7) and being arranged in a movable manner at least partially in the cavity (4) of the valve housing (2), the shut-off element (3) having at least one shut-off projection (8) for shutting off at least one of the outlet openings (6).



21: 2022/08169. 22: 2022/07/21. 43: 2023/10/31
51: A01C
71: AGROMETAL SOCIEDAD ANONIMA INDUSTRIAL, NEGRINI, ROSANA MARÍA
72: NEGRINI, ROSANA MARÍA
33: AR 31: P200100151 32: 2020-01-21
54: PNEUMATIC DISPENSER FOR SOWING MULTIFORM SEEDS IN LOW AND HIGH DOSES
00: -
Pneumatic dispenser for sowing multiform seeds in low and high doses, comprising: a housing (122, 161) in two halves with means of closure to fix them, in the first half there is a channel for the entry of seeds and peripherally a plurality of air recirculation slots (129), and in the second half there is an air suction tube (113). Subsequently, means of attachment to a seeder bracket (144, 157) and, below, an exhaust tube (108) for seed release. Internally, the housing (122, 161) houses a rotatable seed plate (159) mounted on three drive shafts with a cylindrical center that centers the plate (168, 169) with a drive plate (168, 169), comprising a plurality of cavities arranged perimeter with low-relief depressions. A set of floating flushes with triple upper contact and double lower contact linked together by means of a bridge (174), the set has an upper clamp with an eccentric shaft (152) that allows movement and offset for permanent contact against the surface of the seed plate (159) and external position regulation. A second linkage point is a fixed shaft (175) for rotation of the set. The bridge (174) has a ledge for mounting a compression spring that regulates the permanent contact between the flushes and the sowing plate (159). The triple upper contact acts on the circumference of the outer tangent of the alveoli and the double lower contact acts on the circumference of the inner tangent of the alveoli of the said plate (168, 169).

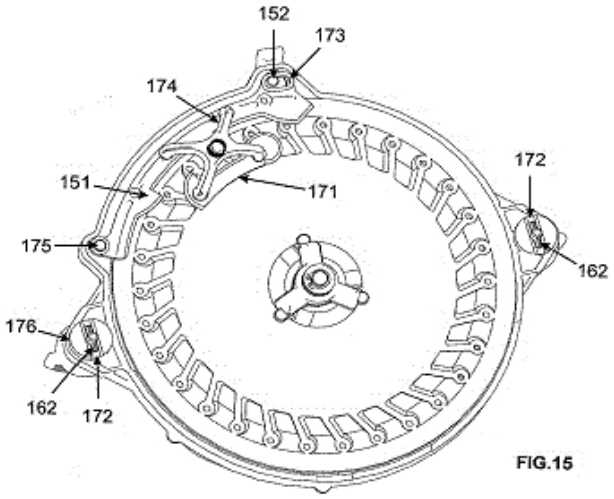
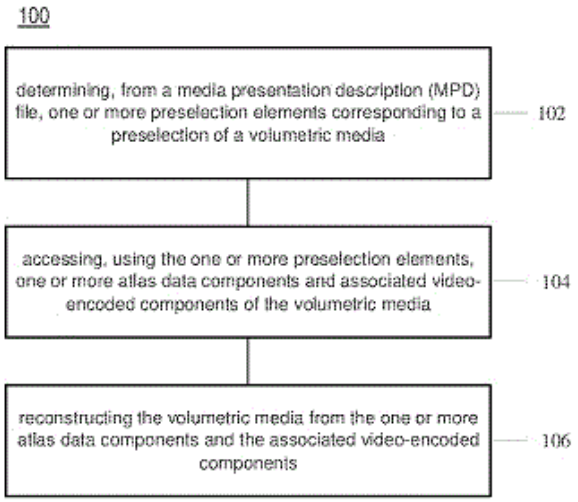
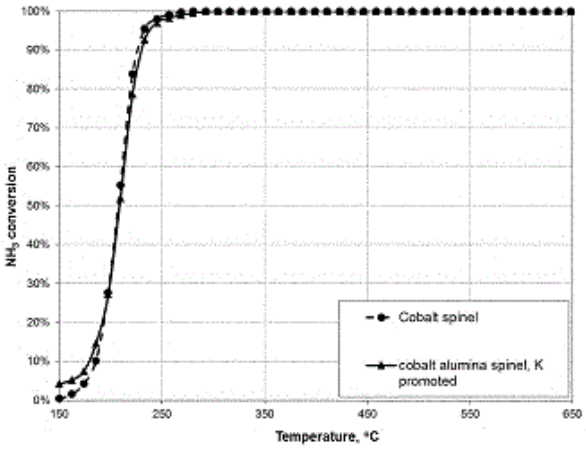


FIG.15

21: 2022/08170. 22: 2022/07/21. 43: 2023/10/30
51: H04N
71: ZTE CORPORATION
72: HUANG, CHENG, BAI, YAXIAN
54: VOLUMETRIC MEDIA PROCESS METHODS AND APPARATUS
00: -
Methods, systems and apparatus for processing of volumetric media data are described. One example method of volumetric media determining, from a media presentation description (MPD) file, one or more preselection elements corresponding to a preselection of a volumetric media, accessing, using the one or more preselection elements, one or more atlas data components and associated video-encoded components of the volumetric media; and reconstructing the volumetric media from the one or more atlas data components and the associated video-encoded components.



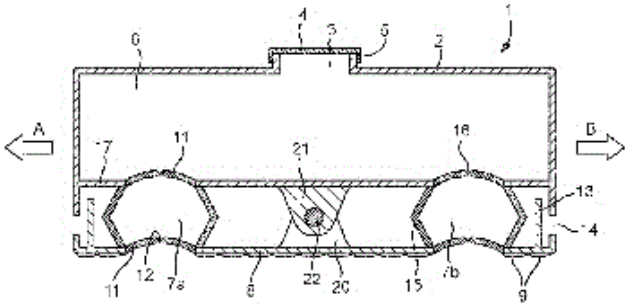
21: 2022/08173. 22: 2022/07/21. 43: 2023/10/30
51: B01D; B01J
71: TOPSOE A/S
72: MÜNSTER-SWENDSEN, JANUS EMIL
33: DK 31: PA 2020 00371 32: 2020-04-01
54: A PROCESS FOR THE REMOVAL OF NOX AND DINITROGEN OXIDE IN PROCESS OFF-GAS
00: -
:Process for the removal of NOx (NO, NO2) and nitrous oxide (N2O) contained in a process off-gas comprising the steps of (a) adding an amount of a NOx reducing agent into the process off-gas;(b) in a first stage passing the process off-gas admixed with the reducing agent through a catalyst active in selective catalytic reduction of NOx with the reducing agent and providing an effluent gas comprising the nitrous oxide and residual amounts of reducing agent; and(c) in a second stage passing the effluent gas through a catalyst comprising a cobalt compound and being active in decomposition of nitrous oxide and oxidation of the residual amounts of the reducing agent.



21: 2022/08178. 22: 2022/07/21. 43: 2023/09/27
51: C09K; E01C
71: HALL RB PTY LTD
72: ALLEN, Louis, LEWER, Simon
33: AU 31: 2020900796 32: 2020-03-16
54: SOIL STABILISER
00: -
Disclosed herein is a method for stabilising a volume of soil (e.g. a volume of soil that defines a road base or a road subbase). The method comprises applying a coating agent comprising one or more salts of fatty acids derived from coconut oil to the soil, whereby soil particles in the soil are coated with the coating agent, and then applying to the soil a setting agent comprising a metallic salt that is capable of reacting with the one or more salts of fatty acids derived from coconut oil, whereupon a set product is formed. The soil is subsequently compacted, whereby the coated soil particles are consolidated.

21: 2022/08273. 22: 2022/07/25. 43: 2023/10/30
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: ASTOLFI, RAFAEL, LEOPOLDINO, SERGIO ROBERTO, PONTE, DANIEL DARIN, YAROVOY, YURIY KONSTANTINOVICH
33: EP 31: 20158508.0 32: 2020-02-20
54: A SOAP COMPOSITION
00: -
Disclosed is a composition comprising C16:2-C18:2 soap; and C16:1-C18:1 soap; wherein a weight ratio of C16:2-C18:2 soap to C16:1-C18:1 soap in the composition is higher than 0.7. Also contemplated are end use compositions comprising the same.

21: 2022/08275. 22: 2022/07/25. 43: 2023/10/30
51: D06F; A47L
71: UNILEVER GLOBAL IP LIMITED
72: FERNANDES, ABHISHEK BM, JAYARAMAN, RAVIPRAKASH, NETHAJI, ALAGIRISAMY
33: IN 31: 202021005980 32: 2020-02-12
33: EP 31: 20166794.6 32: 2020-03-30
54: APPLICATOR
00: -
Device for applying a liquid detergent to a fabric, the device comprising a detergent tank for containing the liquid detergent and an application surface for contacting the fabric in use and comprising an outlet disposed thereon such that liquid detergent is dispensed through the application surface onto the fabric, said device comprising a first and second unit dose dispenser between said tank and said application surface and wherein said first and second unit dose dispensers are disposed on opposing ends of a rocking member such that when the device is compressed and pushed in a first direction by the user the first unit dose dispenser expels a unit dose of liquid detergent while the second unit dose dispenser is filled from the liquid detergent tank and when the device is compressed and pushed in a second direction, substantially opposite the first direction, the second unit dose dispenser expels a unit dose of liquid detergent while the first unit dose dispenser is filled and a method for treating a fabric comprising taking such a device, filling the detergent tank with a liquid detergent, placing the device onto the fabric and compressing the device to dispense the liquid detergent onto the fabric and applying the detergent onto the fabric.



21: 2022/08340. 22: 2022/07/26. 43: 2023/10/31
51: C12M
71: SEKAB E-TECHNOLOGY AB
72: SJÖBLOM, ANDERS, HÄGGLUND, KARIN, SUNDVALL, ELIAS
33: EP 31: 20155118.1 32: 2020-02-03
54: PRETREATMENT ARRANGEMENT COMPRISING A SCRAPING DEVICE
00: -
The present disclosure generally relates to a pretreatment arrangement (100) for pretreatment of lignocellulosic biomass comprising a reactor vessel (101) extending along a longitudinal center line (102) and having an upstream inlet (103) for receiving biomass and a downstream outlet (104) for discharging biomass. The pretreatment arrangement (100) further comprising a scraping device (108) configured to scrape the interior walls (111) of the reactor vessel (101) and prevent the formation and build-up of deposits.

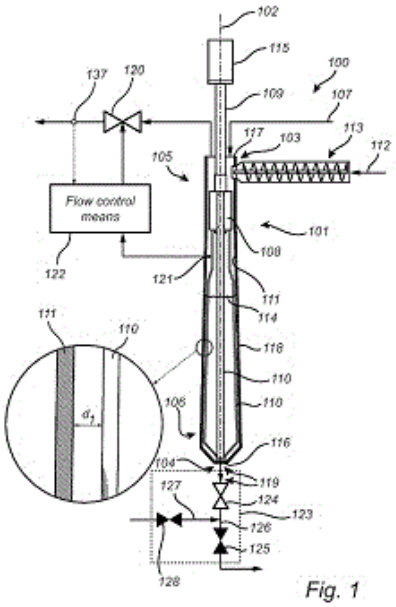


Fig. 1

21: 2022/08341. 22: 2022/07/26. 43: 2023/10/31
51: D21C
71: SEKAB E-TECHNOLOGY AB
72: SJÖBLOM, ANDERS, SUNDVALL, ELIAS, CAVKA, ADNAN
33: EP 31: 20155121.5 32: 2020-02-03
54: ARRANGEMENT AND METHOD FOR PRETREATMENT OF BIOMASS
00: -
The present disclosure generally relates to a pretreatment arrangement (100) for pretreatment of lignocellulosic biomass comprising a reactor vessel (101) having an upstream inlet (102) for receiving biomass and a downstream outlet (103) for

discharging biomass. The pretreatment arrangement (100) further comprises a gas valve (104) and gas flow control means (106).

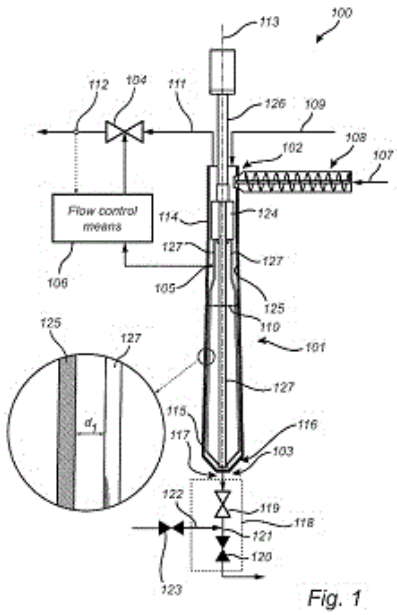


Fig. 1

21: 2022/08345. 22: 2022/07/26. 43: 2023/10/30
51: C12M
71: SEKAB E-TECHNOLOGY AB
72: SJÖBLOM, ANDERS, CAVKA, ADNAN, SUNDVALL, ELIAS
33: EP 31: 20155113.2 32: 2020-02-03
54: PRETREATMENT ARRANGEMENT COMPRISING A SLUICE VESSEL
00: -
The present disclosure generally relates to a pretreatment arrangement (100) for pretreatment of lignocellulosic biomass. The pretreatment arrangement (100) comprises a reactor vessel (101) having an upstream inlet (102) for receiving biomass and a downstream outlet for discharging biomass (103). The pretreatment arrangement (104) further comprises a sluice vessel (104). The present disclosure also relates to a method (200) for pretreating lignocellulosic biomass.

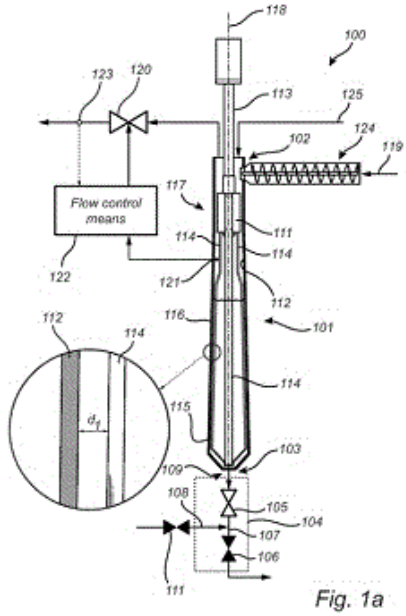


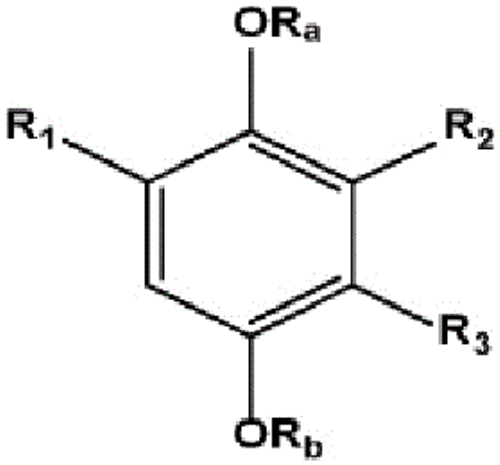
Fig. 1a

21: 2022/08349. 22: 2022/07/26. 43: 2023/10/31
51: A01N; A61K; A61Q; C11D
71: UNILEVER GLOBAL IP LIMITED
72: ACHARYA, NAGARAJA, APPAVOO, SHANTHI, GEORGE, MANU, MAHAPATRA, SAMIRAN, MENON, SUMA
33: EP 31: 20162999.5 32: 2020-03-13
54: A CLEANING COMPOSITION
00: -
The present invention relates to a cleaning composition for use in cleaning surfaces. Particularly, the cleaning composition is an antimicrobial composition comprising a cationic surfactant, one or more substituted phenols selected from thymol, sec-butylphenol, carvacrol, eugenol, propylphenol and mixtures thereof, one or more aliphatic terpene alcohols, preferably menthol, and one or more unsaturated terpenes selected from limonene, alpha-terpinene, terpinolene, cymene, phellandrene and mixtures thereof in select ratios.

21: 2022/08352. 22: 2022/07/26. 43: 2023/10/30
51: B32B
71: UNILEVER GLOBAL IP LIMITED
72: DEWSON, LEE, NAIDOO, YUVESVERI
33: EP 31: 20154461.6 32: 2020-01-30
54: POST CONSUMER RESIN PACKAGING
00: -
The present invention relates to a sustainable article for packaging which could be made substantially free of virgin petroleum-based compounds; in

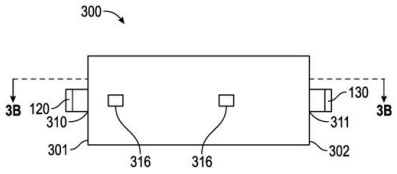
particular it relates to new packaging made from coloured post-consumer resin (PCR) having a high NIR absorption. A need remains to create a circular economy for coloured and/or black plastic by bringing the waste coloured and black plastic into new packaging while using Near infrared (NIR) detectable pigment in the colourant masterbatch. It is therefore an object of the present invention to bring the coloured or black plastic waste into new packaging. It has be found that a sustainable packaging in consumer acceptable black using NIR detectable pigment can be obtained by using a multilayer post-consumer resin, comprising a thinner outer layer of post-consumer resin of natural plastic waste (N-PCR); and a thicker inner layer comprising at least 50% coloured plastic waste (J-PCR).

21: 2022/08406. 22: 2022/07/27. 43: 2023/10/05
51: C07C; C07D; A61K; A61P
71: OM PHARMA SA
72: BAUER, JACQUES, MARTIN, OLIVIER
33: EP 31: 20162558.9 32: 2020-03-11
54: NOVEL HYDROQUINONE DERIVATIVES
00: -
The present invention provides novel hydroquinone derivatives of formula (I), processes of preparation, as well as pharmaceutical compositions and methods of treating and/or preventing e.g. autoimmune, immunological, rheumatology, vascular disorders, ophthalmologic disorders, fibrotic disorders, metabolic and gastrointestinal disorders, neuroinflammatory and neurodegenerative diseases, neoplasms and cancer associated disorders, hormone related diseases and immunological disorders resulting from viral and bacterial infectious diseases and complications thereof. wherein R 1 is COOR 4, (CH 2) n COOR 4, SO 3 H, (CH 2) n SO 3 H or CONH-R 10; one of R 2 and R 3 is H and the other is R 5.



(I)

21: 2022/08477. 22: 2022/07/28. 43: 2023/08/25
51: H05B
71: QWAVE SOLUTIONS, INC.
72: BADAC, Jeffrey, BOOTH, Ryan, HARRIS, Kaitlin, RALEIGH, Cliff, SCHLAEGLE, Steven, TROIANO, Richard
33: US 31: 62/969,935 32: 2020-02-04
54: APPARATUSES, SYSTEMS, AND METHODS FOR HEATING WITH ELECTROMAGNETIC WAVES
00: -
Apparatuses, systems, and methods for heating a fluid or other material. The apparatuses may include a container (e.g., tube) in which a susceptor material is disposed. The susceptor material may convert microwave energy to heat, which may increase the temperature of a fluid or material in or adjacent the tube.



21: 2022/08525. 22: 2022/07/29. 43: 2023/10/31
51: B32B; B28B; B33Y; C04B; E04C; E04G
71: NV BEKAERT SA
72: GOUWY, MATTHIAS, HOEKSTRA, ANNE
33: EP 31: 20160826.2 32: 2020-03-04
54: 3D CONCRETE PRINTING WITH FLEXIBLE REINFORCING STRUCTURE

00: -
A concrete construction is made by 3D concrete printing and comprises: - two or more layers (100, 102) of cementitious material extruded one above the other, and - a reinforcing structure (104) reinforcing the two or more layers (100, 102). The reinforcing structure (104) has a length and a height. The reinforcing structure (104) comprises at least two flexible longitudinal elongated steel elements (208, 210, 308, 310) running in lengthwise direction. The reinforcing structure (104) further comprises one or more flexible transverse steel elements (214, 314) forming an angle with the lengthwise direction so that these flexible transverse steel elements (214, 314) are present in the two or more layers (100, 102). The structure (104) further comprises a positioning element for positioning the at least two flexible longitudinal elongated elements (208, 210, 308, 310) and the flexible transverse steel elements (214, 314), a polymer coating or yarns making stitches. The polymer coating or the stitches are applied on the at least two flexible longitudinal elongated steel elements (208, 210, 308, 310), on the flexible transverse steel elements (214, 314) and on the positioning element thereby making a bond between the at least two flexible longitudinal elongated steel elements (208, 210, 308, 310), the flexible transverse steel elements (214, 314) and the positioning element. A concrete construction made by 3D concrete printing comprises: - two or more layers (100, 102) of cementitious material extruded one above the other, and - a reinforcing tape (104) reinforcing at least two of the layers (100, 102). The reinforcing tape (104) comprises at least one steel cord (106). The presence of a steel cord (106) gives more flexibility to the reinforcement.

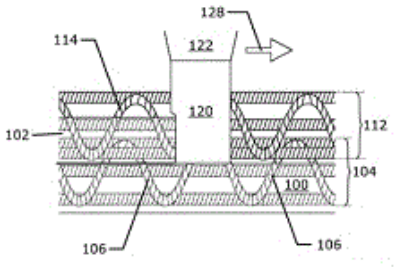


Fig. 1a

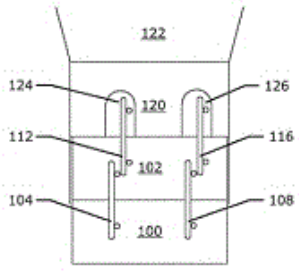
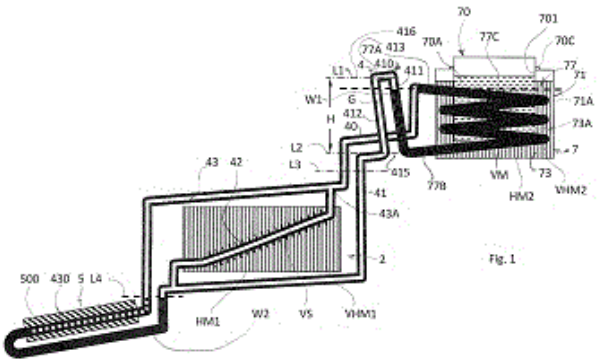


Fig. 1b

21: 2022/08529. 22: 2022/07/29. 43: 2023/10/31
51: F24H; F24S; F28D
71: SUNFURIA AB
72: FJAESTAD, ADAM
33: SE 31: 2050001-3 32: 2020-01-03
54: A HEATING SYSTEM AND A METHOD FOR HEATING A CHOSEN MEDIA
00: -
The invention relates to a heating system for heating a substance, preferably a liquid, comprising a heat storage vessel (2) with a heat storage medium (HM1) to be heated by means of a heat source (5) and a sealed tubing (4) arranged to transfer heat to a heat transfer unit (7), said sealed tubing (4) having a partial filling of a substrate partially in liquid state (W) and partially gas state (G) and comprising a return tube (41) arranged to return substrate in liquid state (L) from said heat transfer unit (7) and a supply tube (40) arranged to supply heat in gas state (G) to said heat transfer unit (7), wherein a part of said sealed tubing includes a condensing tubing (77) that is included in said heat transfer unit (7) and positioned above a third system level (L3) and the upper liquid level of said heat storage medium (HM1) is positioned below said third system level (L3), characterized in that an outlet tube (77B) of said condensing tubing (77) is connected to a control member (410) at a second system level (L2), which control member (410) includes a movable connector part (413), wherein said movable connector part (413) is controllably, movably arranged between a

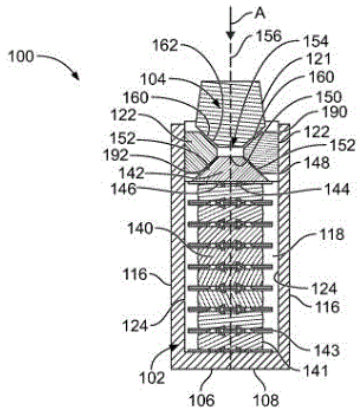
first position (415) and a second position (416) a vertical distance (L) apart, wherein said first position (415) coincides with said third system level (L3) or is at a second system level (L2) above said third system level (L3) and said second position (416) is in level with a first system level (L1), wherein a substantial portion of said condensing tubing (77) corresponding to a contained condensing volume (VM) is positioned below said first system level (L1). It also relates to a method for heating a substance.



21: 2022/08588. 22: 2022/08/01. 43: 2023/10/31
51: C07K; A61P
71: UCB BIOPHARMA SRL
72: DEDI, NEESHA, ELLIOTT, PETER CHARLES, LEYSEN, SEPPE FRANS ROMAN, MASON, SEAN, MCMILLAN, DAVID JAMES, NESS, GILLIAN CLAIRE, PENGO, NICCOLO, REDHEAD, MARTIN ANTHONY, TURNER, ALISON, TYSON, KERRY LOUISE
33: GB 31: 2001447.8 32: 2020-02-03
54: ANTIBODIES AGAINST KLK5
00: -
The present invention relates to antibodies which bind and inhibit KLK5 and methods of using the same to treat diseases caused by KLK5 imbalance. In particular, the present invention relates to inhibitory antibodies binding KLK5 and their use in the treatment of Netherton disease, atopic dermatitis and cancer.

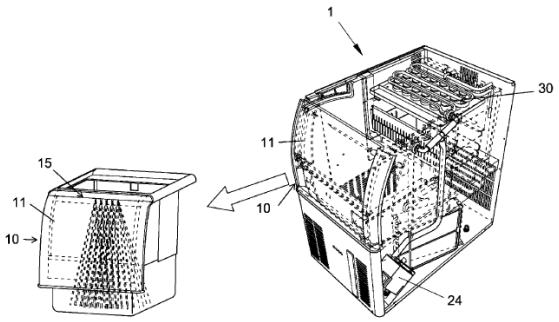
21: 2022/08589. 22: 2022/08/01. 43: 2023/10/31
51: C07K; A61P
71: UCB BIOPHARMA SRL
72: DEDI, NEESHA, ELLIOTT, PETER CHARLES, LEYSEN, SEPPE FRANS ROMAN, MASON, SEAN, MCMILLAN, DAVID JAMES, NESS, GILLIAN CLAIRE, PENGO, NICCOLO, REDHEAD, MARTIN ANTHONY, TURNER, ALISON, TYSON, KERRY LOUISE
33: GB 31: 2001447.8 32: 2020-02-03
33: GB 31: 2008022.2 32: 2020-05-28
54: ANTIBODIES AGAINST KLK5
00: -
The present invention relates to antibodies which bind and inhibit KLK5 and methods of using the same to treat diseases caused by KLK5 imbalance. In particular, the present invention relates to inhibitory anti-KLK5 antibodies and their use in the treatment of Netherton disease, atopic dermatitis and cancer.

21: 2022/08633. 22: 2022/08/02. 43: 2023/11/20
51: B61G
71: AMSTED RAIL COMPANY, INC.
72: ALEYNIKOV, Igor, HARRIS, Zachary
33: US 31: 62/988,435 32: 2020-03-12
33: US 31: 17/007,317 32: 2020-08-31
54: DOUBLE FRICTION DRAFT GEAR ASSEMBLY
00: -
A dual friction draft gear assembly for a car coupling system of a rail car includes a housing having an internal chamber. One or more friction shoes are disposed within the internal chamber. A first load block has, defines, or otherwise provides a first angled interface with the one or more friction shoes. A second load block has, defines or otherwise provides a second angled interface with the one or more friction shoes.

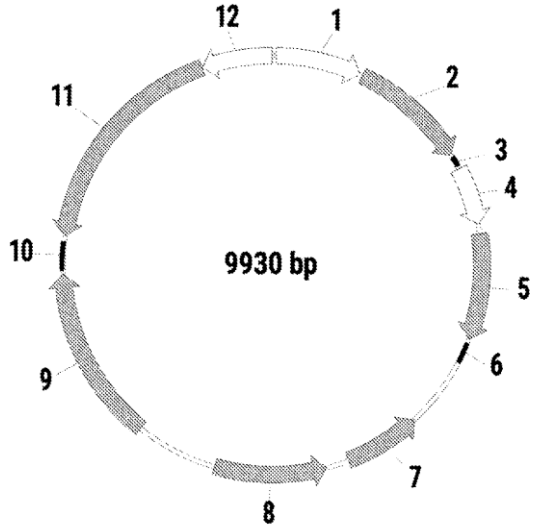


21: 2022/08634. 22: 2022/08/02. 43: 2023/09/27
51: A61L; F25D
71: SCOTSMAN ICE S.R.L.
72: VANIA, Tommaso

33: IT 31: 102020000016333 32: 2020-07-06
54: MANUFACTURER OF ICE FOR FOOD USE WITH AN INCORPORATED ICE CONTAINER HAVING AN INTEGRATED SANITISING SYSTEM
00: -
A fully-automated monobloc machine (1) for manufacturing ice in particles for food use, comprising at least one storage tank (20) of process water in the liquid state, an evaporator (30) provided with forming means for forming ice particles (31) from the process water in the liquid state, a collection container (10) of the ice particles, an access hatch door (11) to said collection container (10), and comprising surface sterilisation means (15) of the ice particles in the collection container (10), detection means (12) of the open or closed position of said access hatch door (11), and control means (13) communicating with said detection means (12) and configured to activate the surface sterilisation means (15) only if the closed position of the access hatch door (11) is detected.

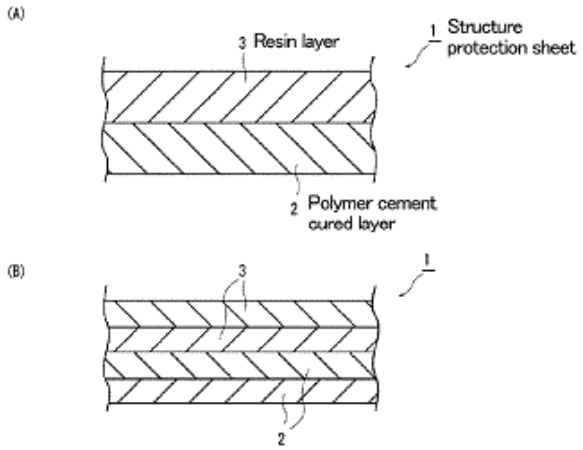


21: 2022/08679. 22: 2022/08/03. 43: 2023/10/03
51: A61P A61K
71: UNLOCKED LABS INC.
72: GEISLER, Christoph
33: US 31: 62/959,991 32: 2020-01-12
54: THERAPEUTIC ENGINEERED MICROBIAL CELL SYSTEMS AND METHODS FOR TREATING HYPERURICEMIA AND GOUT
00: -
The present disclosure relates to engineered microbial cells that have been engineered to include a uricase, a uric acid transporter, or both a uricase and a uric acid transporter. The engineered microbial cells of the present disclosure are useful in degrading uric acid inside the engineered microbial cell. The engineered microbial cells of the present disclosure are useful in methods of treating hyperuricemia. The engineered microbial cells of the present disclosure are also useful in methods of treating gout, and in particular chronic refractory gout.

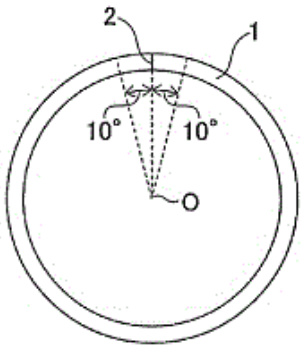


21: 2022/08744. 22: 2022/08/04. 43: 2023/10/17
51: B32B; E21D; E01D; C04B; E04G
71: KEIWA INCORPORATED
72: ASHIKAGA, MASAO, NAKAJIMA, YOSHIKI, FURUNAGA, TOSHIKATSU, HORIUCHI, NORIYUKI, NINOMIYA, AKIRA, IKEDA, YUKINOBU, SHIMOTANI, KENTA, MATSUNO, YUKI
33: JP 31: 2020-036255 32: 2020-03-03
33: JP 31: 2020-036257 32: 2020-03-03
33: JP 31: 2020-036256 32: 2020-03-03
33: JP 31: 2020-088210 32: 2020-05-20
54: STRUCTURE PROTECTION SHEET, CONCRETE BLOCK, AND METHOD FOR MANUFACTURING REINFORCED STRUCTURE
00: -
The present invention provides a structure protection sheet, which makes it possible to significantly reduce the work period in the provision of a protection layer on the surface of a structure such as concrete, to protect the structure for a long period, to prevent the occurrence of a blistering phenomenon associated with water vapor in the inside of the concrete, and to prevent the deterioration in adhesiveness. The present invention relates to a structure protection sheet comprising a polymer cement cured layer arranged on a structure side and a resin layer arranged on the polymer cement cured layer, the structure protection sheet being characterized by

having a water vapor transmission rate of 10 to 50 g/m2・day.

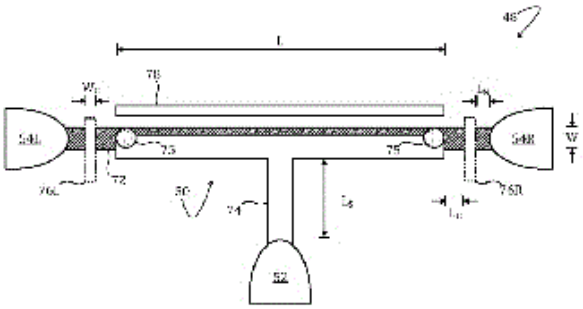


21: 2022/08745. 22: 2022/08/04. 43: 2023/10/17
51: B21C; B21D
71: JFE STEEL CORPORATION
72: NAKAZAWA, RYO, SHIROSAWA, HIROYUKI, IDE, SHINSUKE
33: JP 31: 2020-047317 32: 2020-03-18
54: ELECTRIC RESISTANCE WELDED STEEL PIPE, METHOD FOR MANUFACTURING THE SAME, AND AUTOMOTIVE STRUCTURAL MEMBER
00: -
An electric resistance welded steel pipe having excellent formability and torsional fatigue resistance is provided, and a method for manufacturing the same is provided. An electric resistance welded steel pipe 1 including a seam region 3 and a base metal region 6, the seam region 3 having a range of ±10 degrees in a pipe circumferential direction with respect to an electric resistance welded seam 2 formed in a pipe ongitudinal direction, the base metal region 6 being a region other than the seam region 3, wherein the electric resistance welded steel pipe 1 has an r-value in the pipe longitudinal direction of 1.0 or greater, H (mm) and W (mm) satisfy formula (1) below, where H (mm) is a difference between Ts(MIN) (mm) and Tb(Ave) (mm) (Tb(Ave) - Ts(MIN)), Ts(MIN) (mm) is a minimum wall thickness value of the seam region 3, Tb(Ave) (mm) is an average wall thickness value of the base metal region 6, and W (mm) is an arc length of a pipe inner surface of the seam region 3, and Ts(MAX) (mm) and Tb(Ave) (mm) satisfy formula (2) below, where Ts(MAX) (mm) is a maximum wall thickness value of the seam region 3. H/W £ 0.10 formula (1)Ts(MAX)/Tb(Ave) £ 1.05 formula (2).

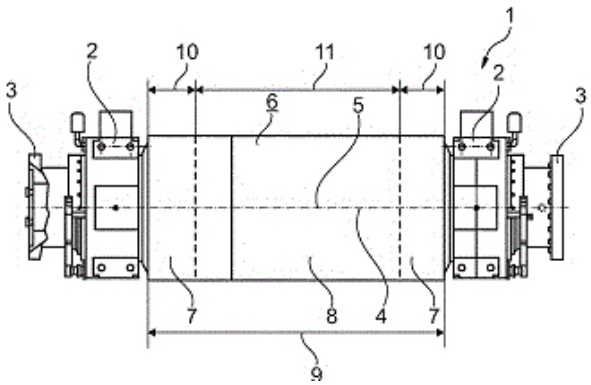


21: 2022/08746. 22: 2022/08/04. 43: 2023/10/17
51: G06N
71: MICROSOFT TECHNOLOGY LICENSING, LLC
72: PIKULIN, DMITRY, THOMAS, MASON L, NAYAK, CHETAN VASUDEO, LUTCHYN, ROMAN MYKOLAYOVYCH, WINKLER, GEORG WOLFGANG, HEEDT, SEBASTIAN, DE LANGE, GIJSBERTUS, VAN HECK, BERNARD, MARTINEZ, ESTEBAN ADRIAN, CASPARIS, LUCAS, KARZIG, TORSTEN
33: US 31: 62/984,911 32: 2020-03-04
33: US 31: 16/886,670 32: 2020-05-28
54: PRE-SCREENING AND TUNING HETEROJUNCTIONS FOR TOPOLOGICAL QUANTUM COMPUTER
00: -
A method to evaluate a semiconductor-superconductor heterojunction for use in a qubit register of a topological quantum computer includes measuring a radio-frequency (RF) junction admittance of the semiconductor-superconductor heterojunction to obtain mapping data; finding by analysis of the mapping data one or more regions of a parameter space consistent with an unbroken topological phase of the semiconductor-superconductor heterojunction; measuring a sub-RF conductance including a non-local conductance of the semiconductor-superconductor heterojunction in each of the one or more regions of the parameter space, to obtain refinement data; and finding by analysis of the refinement data a boundary of the unbroken topological phase in the parameter space and a topological gap of the semiconductor-

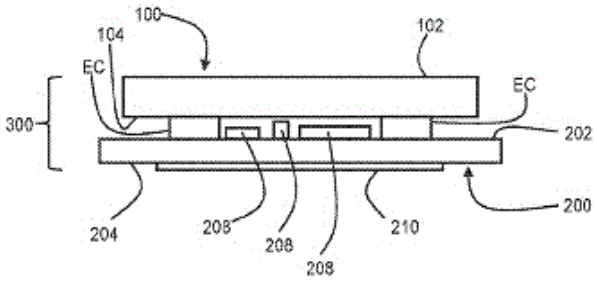
superconductor heterojunction for at least one of the one or more regions of the parameter space.



21: 2022/08748. 22: 2022/08/04. 43: 2023/10/17
51: B65G
71: RWE POWER AG
72: MIKETTA, ANDREAS
33: DE 31: 10 2020 104 251.5 32: 2020-02-18
54: CONVEYOR-BELT DRUM WITH SLIDING REGIONS
00: -
The conveyor-belt drum (1) has an outer surface (6) with a drive region (8) and also has two sliding regions (7), which are located outside the drive region (8) as seen in a longitudinal direction (5). The drive region (8) has studs (18), via which the circumferential force of the conveyor-belt drum (1) can be transmitted to the conveyor belt (13). The sliding regions (7) are free of studs. This significantly reduces wear to the conveyor belt (13) in the regions (22) which slide on the sliding regions (7), and therefore the service life of the conveyor belt (13) increases.



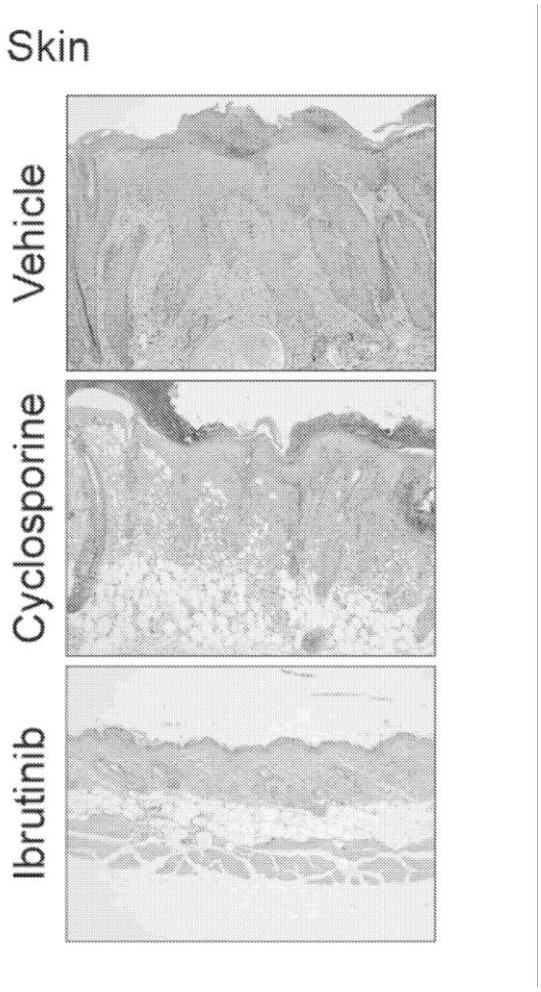
21: 2022/08750. 22: 2022/08/04. 43: 2023/10/18
51: H05K; G06K
71: ELLIPSE WORLD, INC.
72: LALO, CYRIL, POCHIC, SEBASTIEN, ESSEBAG, JACQUES
33: US 31: 16/745,186 32: 2020-01-16
54: SYSTEM AND METHOD FOR MANUFACTURING AND ASSEMBLING PACKAGED ELECTRONIC MODULES
00: -
A system and method of manufacturing and/or assembling packaged electronic modules for use with smart cards is disclosed. The packaged electronic modules may include contact plate(s), printed circuit(s) and/or value add components such as displays.



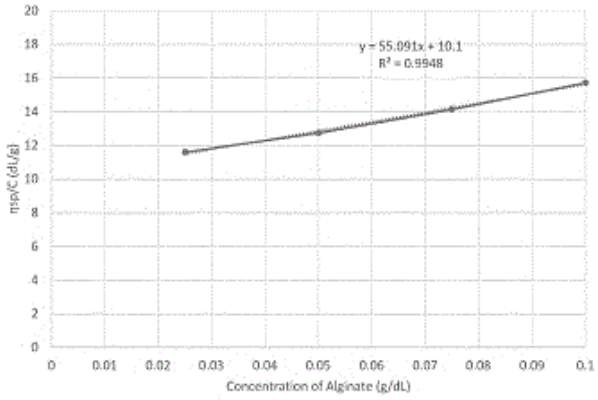
21: 2022/08753. 22: 2022/08/04. 43: 2023/10/18
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: ALVES DE MATTOS, RODRIGO, BORTOLAI, GISLENE SPLENDORE, FERNANDES, NIKHIL J, LEAL, LYNDSAY M, HAGEMANN, UWE, LEOPOLDINO, SERGIO ROBERTO, YAROVOY, YURIY KONSTANTINOVICH
33: EP 31: 20163161.1 32: 2020-03-13
54: A SOAP BAR WITH HIGH WATER CONTENT
00: -
The present invention relates to a soap bar composition. It more particularly relates to a soap bar composition which comprises low amount of soap where high amount of water can be incorporated. This is achieved by including a selective polymer therein. The soap bars of the invention are easy to extrude and stamp.

21: 2022/08792. 22: 2022/08/05. 43: 2023/11/14
51: A61K; A61P
71: PHARMACYCLICS LLC
72: BYRD, John, C., DUBOVSKY, Jason, A., MUTHUSAMY, Natarajan, JOHNSON, Amy Jo, MIKLOS, David
33: US 31: 61/895,981 32: 2013-10-25
33: US 31: 61/910,945 32: 2013-12-02

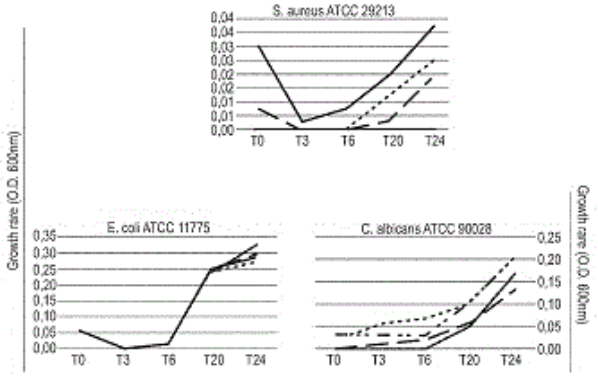
33: US 31: 61/973,173 32: 2014-03-31
33: US 31: 61/973,176 32: 2014-03-31
54: METHODS OF TREATING AND PREVENTING GRAFT VERSUS HOST DISEASE
00: -
Described herein are methods for treating and preventing graft versus host disease using ACK inhibitors. The methods include administering to an individual in need thereof an ACK inhibitor such as ibrutinib for treating and preventing graft versus host disease.



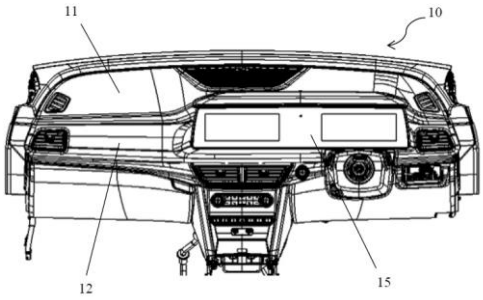
21: 2022/08860. 22: 2022/08/08. 43: 2023/10/23
51: C08B; C08K; C08L; B01J; C07D
71: CATEXEL TECHNOLOGIES LIMITED
72: ROSTAMI, FATEMEH BAKHSHANDEH, GAULARD, FABIEN PIERRE GUY, HAGE, RONALD
33: EP 31: 20160204.2 32: 2020-02-28
54: DEGRADATIVE METHOD
00: -
The present invention relates to a method of degrading biofilm by contacting it with an aqueous mixture comprising a peroxide compound and a manganese complex, wherein the aqueous mixture comprises a macrocylic ligand. The invention also relates to a method of degrading a biofilm by contacting it with an aqueous mixture comprising a peroxide compound and a macrocyclic ligand.



21: 2022/08862. 22: 2022/08/08. 43: 2023/10/23
51: C12R; A61K; C12N
71: AILEENS PHARMA S.R.L.
72: VERGALITO, FRANCA, LONGO SORMANI, SONIA, MAGNIFICO, IRENE, PIETRANGELO, LAURA, DI MARCO, ROBERTO MARIA ANTONIO, CUTULI, MARCO ALFIO, VENDITTI, NOEMI, PETRONIO PETRONIO, GIULIO
33: IT 31: 102020000003233 32: 2020-02-18
54: CUTIBACTERIUM ACNES STRAIN AND MEDICAL USES THEREOF
00: -
The present invention relates to a selected bacterial strain of Cutibacterium acnes and/or a cell wall therefrom or a postbiotic of the strain and to medical or nutritional uses thereof. The invention also concerns with pharmaceutical or nutritional compositions containing the strain, cell wall or postbiotic therefrom for the prevention or treatment of inflammatory diseases such as dermatitis or psoriasis or infections, especially skin or mucosal fungal or bacterial infections.

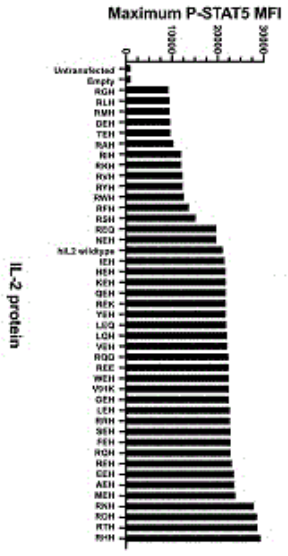


21: 2022/08927. 22: 2022/08/10. 43: 2023/11/08
51: B62D
71: Mahindra and Mahindra Limited
72: SHARMA; Anil Kumar, KAKADE; Ritesh, SHINDE; Niraj, SHAIK; Amith, GAHANAAY; Ganeaysh
33: IN 31: 202141036081 32: 2021-08-10
54: AN INSTRUMENT PANEL FOR A VEHICLE
00: -
The present disclosure relates to instrument panels of vehicles. The present disclosure envisages an instrument panel (10) of a vehicle. The panel (10) comprises a reconfigurable topper pad module (11) 5 configured to be mounted on a panel (10) carrier provided on the vehicle body, and a mid-roll (12) module configured to be arranged below the topper pad. The panel (10) further comprises a console module configured to be attached to the vehicle body. The console module has at least three variants, wherein each variant corresponds to a variant of the vehicle. The topper pad 10 module (11) and the mid-roll (12) module are configured to be reconfigured to accommodate the console module, of the desired vehicle variant, thereon to define the instrument panel (10).



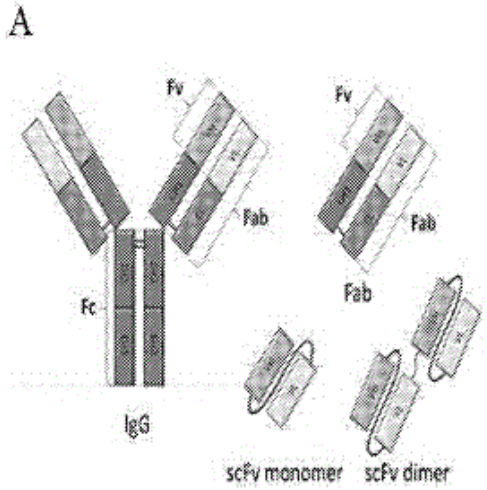
21: 2022/08933. 22: 2022/08/10. 43: 2023/10/10
51: C12N C12P
71: CJ CHEILJEDANG CORPORATION
72: KWON, Nara, LEE, Ji Hyun, BAE, Hyun-jung, KIM, Dae Young, KIM, Eunji, HUH, Lan, YOO, Hyeryun, KIM, Bina, SON, Sung Kwang
33: KR 31: 10-2021-0125841 32: 2021-09-23
54: NOVEL GLUTAMINE-HYDROLYZING GMP SYNTHASE VARIANT AND METHOD FOR PRODUCING PURINE NUCLEOTIDE BY USING SAME
00: -
The present application relates to a glutamine-hydrolyzing GMP synthase variant and a method for producing a purine nucleotide by using the same.

21: 2022/08999. 22: 2022/08/11. 43: 2023/10/23
51: C07K; A61P; A61K
71: SYNTHEKINE, INC.
72: EMMERICH, JAN, KAUDER, STEVE, MCCAULEY, SCOTT ALAN, OFT, MARTIN
33: US 31: 63/136,599 32: 2021-01-12
33: US 31: 62/961,141 32: 2020-01-14
54: BIASED IL2 MUTEINS METHODS AND COMPOSITIONS
00: -
The present disclosures related to human interleukin-2 (hIL2) muteins, pharmaceutical formulations thereof, methods for preparing interleukin-2 muteins, recombinant vectors and cells comprising nucleic acids encoding IL2 muteins and methods for the treatment of human disease.

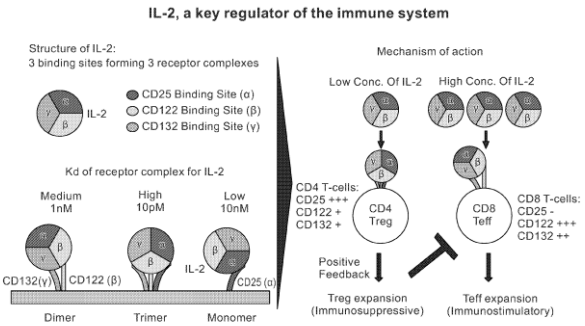


21: 2022/09045. 22: 2022/08/12. 43: 2023/10/23
51: G01N; C07K; A61K

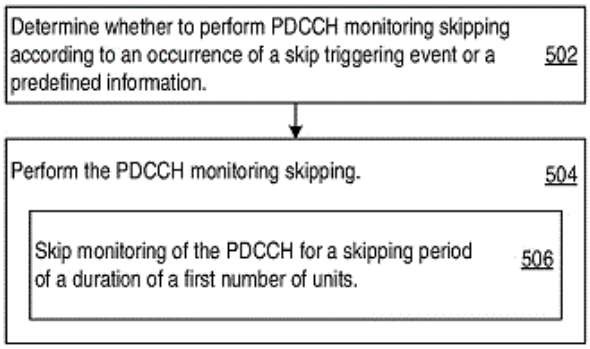
71: RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
72: PINTER, ABRAHAM, CHOUDHARY, ALOK
33: US 31: 62/293,406 32: 2016-02-10
54: NOVEL ANTI-LAM AND ANTI-PIM6/LAM MONOCLONAL ANTIBODIES FOR DIAGNOSIS AND TREATMENT OF MYCOBACTERIUM TUBERCULOSIS INFECTIONS
00: -
The present invention broadly provides different compositions, kits, vectors, and methods including monoclonal antibodies directed to epitopes found within lipoarabinomannan (LAM)and phosphatidyl-myo-inositol mannoside 6 (PIM6) for the diagnosis and treatment of Mycobacterium tuberculosis infections.



21: 2022/09060. 22: 2022/08/12. 43: 2023/11/16
51: A61K; C07K; A61P
71: AULOS BIOSCIENCE, INC
72: AMIT, Inbar, LEVIN, Itay, NIMROD, Guy, FISCHMAN, Sharon, BARAK FUCHS, Reut, STRAJBL, Marek, WYANT, Timothy, ZHENIN, Michael, BLUVSHTEIN YERMOLAEV, Olga, SASSON, Yehezkel, GROSSMAN, Noam, LEVITIN, Natalia, OFRAN, Yanay
33: US 31: 62/977,292 32: 2020-02-16
33: US 31: 63/139,315 32: 2021-01-20
54: ENGINEERED ANTI-IL-2 ANTIBODIES
00: -
Described herein are engineered anti-IL-2 antibodies with modified amino acid sequences. The engineered antibodies would confer modified receptor binding specificity to an IL-2-anti-IL2 antibody complex, inhibiting the binding of IL-2 to CD25. The engineered anti-IL-2 antibodies would facilitate expansion of subsets of effector immune cells and decrease undesirable effects caused by IL-2. Thus, the engineered anti-IL-2 antibodies would be useful in treating disease such as cancer and infection.



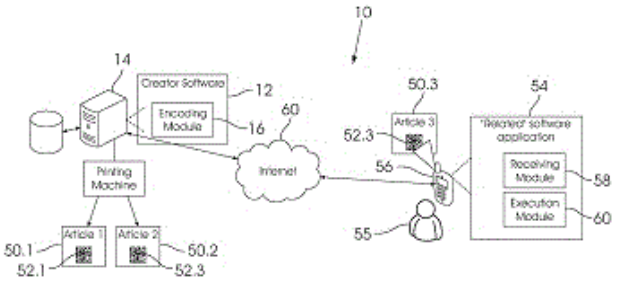
21: 2022/09067. 22: 2022/08/12. 43: 2023/10/23
51: H04W
71: ZTE CORPORATION
72: MA, XIAOYING, CHEN, MENGZHU, XU, JUN, MA, XUAN, HU, YUZHOU, GUO, QIUJIN, PENG, FOCAI
54: POWER SAVING METHODS FOR A MOBILE STATION
00: -
This disclosure relates to wireless communication methods that reduce power usage in a mobile station caused by monitoring Physical Downlink Control Channel (PDCCH). The mobile station can implement a PDCCH monitoring skipping behavior including skipping the monitoring of the PDCCH for a skipping period.



21: 2022/09068. 22: 2022/08/12. 43: 2023/10/23
51: A61K; C07K
71: PALATIN TECHNOLOGIES, INC.
72: YANG, WEI, DODD, JOHN H, METZGER, AXEL

33: US 31: 62/969,311 32: 2020-02-03
33: US 31: 63/124,927 32: 2020-12-14
54: DIAMINE-LINKED RECEPTOR-SPECIFIC CYCLIC PEPTIDES
00: -
Receptor-specific cyclic peptides of the formula (I), where Xaa¹, Xaa² Xaa³, x, R1, R2, Rs and R4 are as defined in the specification, compositions and formulations including the peptides of the foregoing formula, and methods of preventing, ameliorating or treating melanocortin receptor-mediated diseases, indications, conditions and syndromes utilizing melanocortin receptor-specific cyclic peptides of formula (I).

21: 2022/09070. 22: 2022/08/12. 43: 2023/10/23
51: G06K
71: THINK4IR (PTY) LTD
72: TAME, GAVIN RANDALL
33: ZA 31: 2020/01099 32: 2020-02-21
54: A SYSTEM AND METHOD FOR THE IMPARTING OF OPTICAL DIGITAL CPUS AND ROMS TO DIVERSE PHYSICAL OBJECTS
00: -
The invention relates to an article which includes an optical symbol which can be scanned/captured by an image capturing device. The optical symbol incorporates, or is encoded with (i) a set of instructions which are readable and executable by a computing device/processor; and (ii) data which is associated with the article. At least some of the instructions are configured such that, when a computing device/processor executes the instructions, the data is used by the device/processor during the execution of the instructions. The optical symbol may be a two-dimensional barcode or a three-dimensional barcode. The data may be read-only memory (ROM).



21: 2022/09071. 22: 2022/08/12. 43: 2023/10/23
51: B62D; B32B
71: AERLYTE, INC.
72: JOHNSTON, CHRISTOPHER VII
33: US 31: 16/794,579 32: 2020-02-19
54: PICKUP TRUCK CARGO BOX SUBASSEMBLY
00: -
A pickup truck cargo box subassembly includes a load floor composed of a sandwich structure having an upper skin, a lower skin and a core extending therebetween. The upper skin is formed of a composite material including continuous reinforcing fibers. The pickup truck cargo box subassembly also includes a left inner sidewall panel having a left inner sidewall panel joining channel extending horizontally along at least a portion of a length of the left inner sidewall panel. The pickup truck cargo box subassembly also includes a right inner sidewall panel having a right inner sidewall panel joining channel extending horizontally along at least a portion of a length of the right inner sidewall panel. The left and right inner sidewall panel joining channels join a peripheral portion of the load floor. The pickup truck cargo box subassembly also includes a headboard and a rear cross sill.

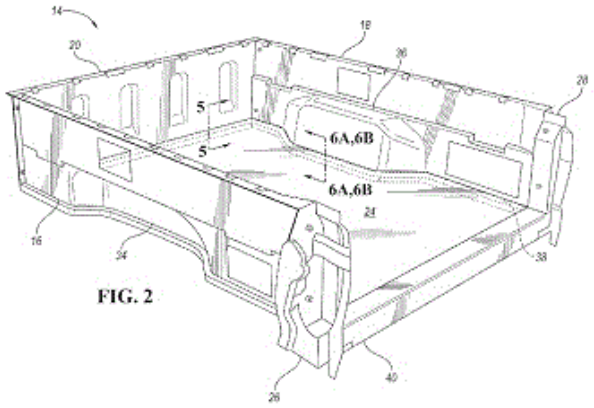


FIG. 2

21: 2022/09074. 22: 2022/08/12. 43: 2023/10/23
51: C22B
71: PANGANG GROUP RESEARCH INSTITUTE CO., LTD.
72: FU, ZIBI, RAO, YUZHONG, WANG, NING, WU, YOU
33: CN 31: 202111288819.9 32: 2021-11-02
54: METHOD FOR EXTRACTING VANADIUM FROM VANADIUM SLAG BY CARBONATION LEACHING AND RECYCLING MEDIUM
00: -
The present disclosure relates to the technical field of vanadium extraction, and discloses a method for extracting vanadium from vanadium slag by carbonation leaching and recycling medium. The method comprises the following steps: S1 preparing a powdered clinker by roasting; S2 preparing a concentrated solution and a deaminated solution; S3 extracting vanadium from vanadium slag and medium circulation process, performing steps a, b, c, d, and e successively, and then performing three-stage absorption on the condensed gas obtained in step e; and repeating step S3. The method can reduce process cost, reduce solid waste from water treatment, and realize recycling of the medium.

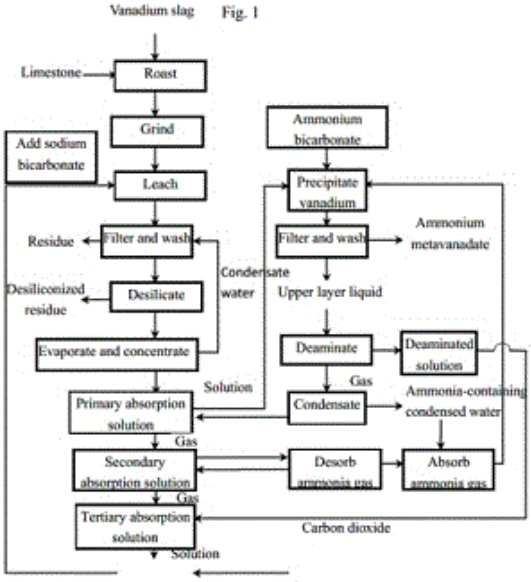


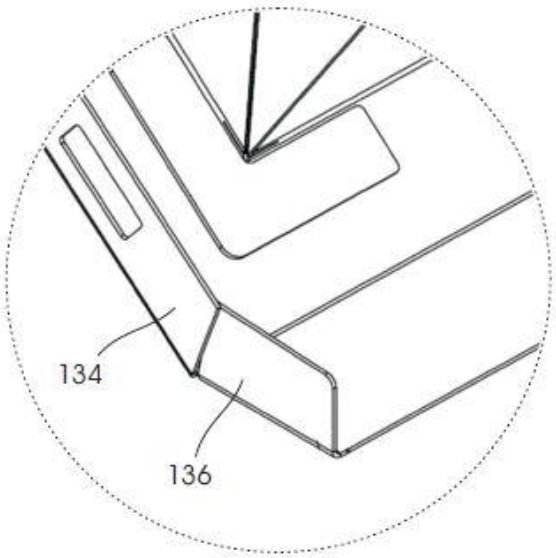
Fig. 1

21: 2022/09075. 22: 2022/08/12. 43: 2023/10/23
51: C22B
71: PANGANG GROUP RESEARCH INSTITUTE CO., LTD.
72: FU, ZIBI, RAO, YUZHONG, WU, JINSHU, WU, YOU
33: CN 31: 202111391734.3 32: 2021-11-19
54: METHOD FOR EXTRACTING VANADIUM FROM VANADIUM-CONTAINING CARBONATE LEACHING SOLUTION AND RECYCLING RAFFINATE FROM VANADIUM PRECIPITATION PROCESS
00: -
The present disclosure relates to the technical field of vanadium extraction, in particular to a method for extracting vanadium from vanadium-containing carbonate leaching solution and recycling raffinate from vanadium precipitation process. The method comprises the following steps: a: contacting a vanadium-containing carbonate leaching solution with a HCO3- type anion exchange resin to obtain a vanadium-rich resin and an ion exchange raffinate; b: taking the ion exchange raffinate for cycle use in carbonate leaching process; c: contacting the vanadium-rich resin with a desorbent to obtain a desorption solution; d: adding ammonium bicarbonate to the desorption solution for vanadium precipitation, and filtering the solution to obtain ammonium metavanadate and vanadium precipitation raffinate; and e: taking the vanadium precipitation raffinate as the desorbent in step c for cycle use; wherein the desorbent is a solution

containing ammonium bicarbonate and sodium bicarbonate. The method realizes exchange of vanadate and bicarbonate by using an ion exchange resin as a carrier. The process of extracting vanadium and circulation of medium in the carbonate leaching solution is simplified. The whole process is carried out at room temperature, and the energy consumption is reduced.

21: 2022/09079. 22: 2022/08/12. 43: 2023/11/09
51: C03B; C03C
71: CDGM GLASS CO., LTD
72: YUAN, Baoping, LI, Sai, JIANG, Tao, CHEN, Xuemei, YU, Tianlai, SU, Yong
33: CN 31: 202110116889.X 32: 2021-01-28
54: MICROCRYSTALLINE GLASS, AND MICROCRYSTALLINE GLASS PRODUCT AND MANUFACTURING METHOD THEREFOR
00: -
The present invention provides a microcrystalline glass and a microcrystalline glass product which have excellent mechanical properties. The microcrystalline glass product comprises the following components in percentage by weight: SiO_2: 65-80%; Al_2O_3: less than 5%; Li_2O: 10-25%; ZrO_2: 5-15%; and P_2O_5: 1-8%. By means of the reasonable component design, the microcrystalline glass product obtained in the present invention has excellent mechanical properties.

21: 2022/09080. 22: 2022/08/11. 43: 2023/09/27
51: B60J
71: ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD
72: VOSS, Michael
33: ZA 31: 2019/07353 32: 2019-11-06
54: PANEL JOINING ARRANGEMENT FOR A VEHICLE CANOPY
00: -
The invention relates to a panel joining arrangement for a vehicle canopy. The vehicle canopy includes at least one three panel join where a side panel, roof panel and end panel of the vehicle canopy meet. The panel joining arrangement comprises first and second lip portions formed in the side panel of the vehicle canopy and a third lip portion formed in the roof panel. The first and second lip portions are longitudinally offset and transversely overlapping in relation to a length of the side panel. The third lip portion is configured to mate with the second lip portion at the three panel join of the vehicle canopy such that the third lip portion is located adjacent to and substantially flush with the first lip portion.



21: 2022/09081. 22: 2022/08/11. 43: 2023/09/27
51: B01J
71: LINDE GMBH, BASF SE
72: ZELLHUBER, Mathieu, HOFSTÄTTER, Martin, POSSELT, Heinz, LANG, Christian, DELHOMME-NEUDECKER, Clara
33: EP 31: 20156463.0 32: 2020-02-10
54: REACTOR AND METHOD FOR CARRYING OUT A CHEMICAL REACTION
00: -
The invention relates to a reactor (100, 200) for carrying out a chemical reaction, the reactor having a reactor vessel (10) and one or more reaction tubes (20), wherein a number of tube lengths (21, 22) of the one or more reaction tubes (20) run respectively between a first region (11) and a second region (12) within the reactor vessel (10), and wherein the tube lengths can each be electrically connected, in the first region (11), to the phase terminals of a polyphase alternating current source (50) for the purpose of heating the tube lengths (21, 22). According to the invention, the tube lengths (21, 22) are connected to one another in an electrically conductive manner in the second region (12) as a whole by means of a single rigid connecting element (30) or in groups by means of multiple rigid connecting elements (30), which connecting element(s) is/are connected in one piece to the single or multiple reaction tube(s) (20) and is/are

arranged within the reactor vessel (10). The invention also relates to a corresponding method.

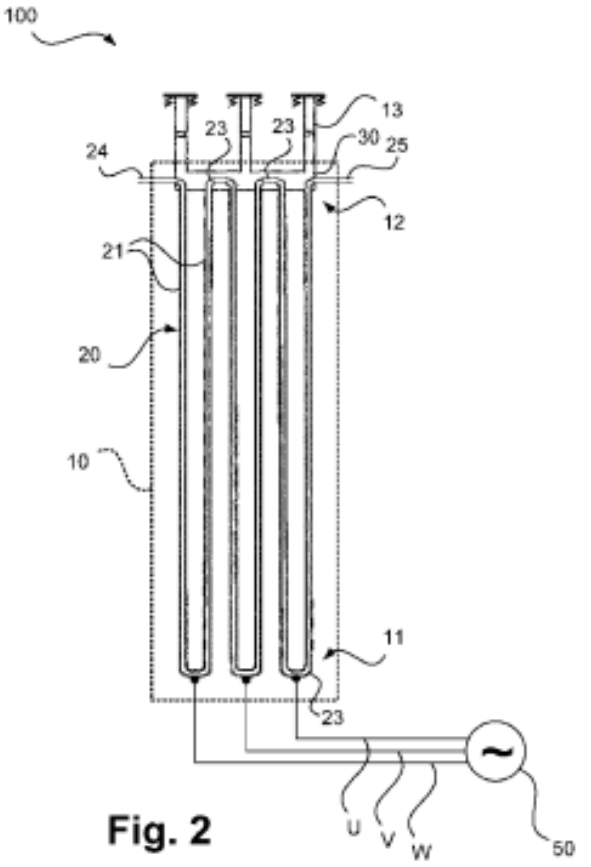
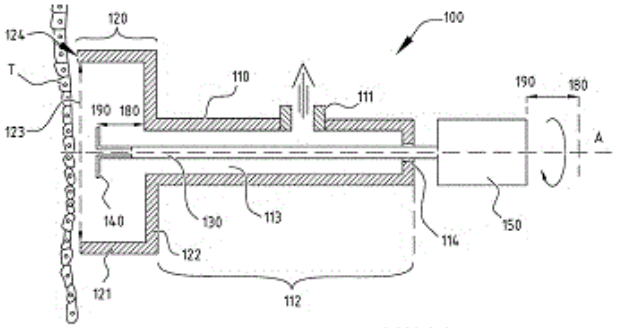


Fig. 2

21: 2022/09126. 22: 2022/08/15. 43: 2023/10/25
51: A61B
71: COEMAN, DIRK CARL LUC
72: COEMAN, DIRK CARL LUC
33: NL 31: 2024926 32: 2020-02-17
54: EXCISION APPARATUS COMPRISING A HOUSING PROVIDED WITH A FIXATION PORTION
00: -
Excision apparatus for removing cellular tissue, comprising housing provided with a fixation portion. The fixation portion is configured to be arranged on cellular tissue such that a closed space is formed by the cellular tissue and an inner surface of the fixation portion. The fixation portion is further configured to fixedly retain the cellular tissue near the inner surface by removal of air from the closed space via an air evacuating means. The excision apparatus further comprises a cutting element which is moveably arranged in the housing such that the cutting element is movable between a retracted position and an extended position with respect to the fixation portion. The cutting element comprises an electrode which is arranged at a distal end of the cutting element and which is configured for cutting a section of cellular tissue retained by the fixation portion when the cutting element is in the extended position.



21: 2022/09159. 22: 2022/08/16. 43: 2023/10/25
51: A61K
71: AEOVIAN PHARMACEUTICALS, INC.
72: TZANNIS, STELIOS T, MASSEY, IAN J, FROIDBISE, ALEXANDRE, EPPE, GUILLAUME
33: US 31: 62/795,482 32: 2019-01-22
54: MTORC MODULATORS AND USES THEREOF
00: -
Novel rapamycin analogs and uses thereof are disclosed herein. The rapamycin analogs of the present disclosure show increased mTORC1 specificity and lowered mTORC2 specificity relative to rapamycin.

21: 2022/09179. 22: 2022/08/16. 43: 2023/10/25
51: B22D
71: VESUVIUS GROUP, S.A.
72: DELSINE, DAMIEN, RENARD, JEAN-LUC, FAN, XINGQI
33: EP 31: 20157812.7 32: 2020-02-18
54: ROBOTIZED LADLE TURRET SYSTEM
00: -
The present invention concerns a metal casting installation comprising, (a) a loading platform (20), (b) a tundish (1), (c) a first ladle (11) and a second ladle (12), each of the first and second ladle comprising, • a floor provided with an opening (11o, 12o), • a collector nozzle (14) and a ladle shroud (13a-13c), • a ladle sliding gate (15) configured for moving the collector nozzle and the ladle shroud

between a sealed position wherein the opening is sealed, a casting position wherein the opening faces the ladle shroud (13a-13c), and an unclogging position wherein the opening faces the collector nozzle (14), (d) a turret (30) for holding the first and second ladles, configured for moving and holding in place the first and second ladles (11,12) between a loading station and a casting station, over the tundish (1), Characterized in that, the metal casting installation comprises a robot (21) configured for carrying out the following operations on the first or second ladle which is held in the loading station, • loading a new ladle shroud (13b) onto the ladle slide gate (15), and •coupling a driving device (17) to the ladle slide gate (15).

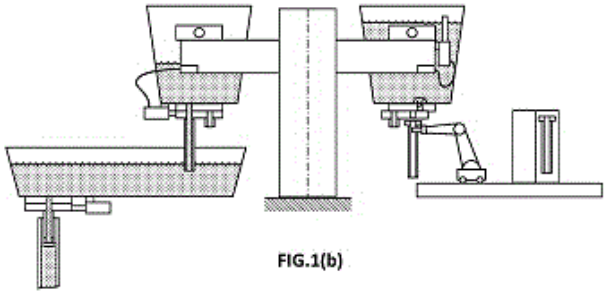
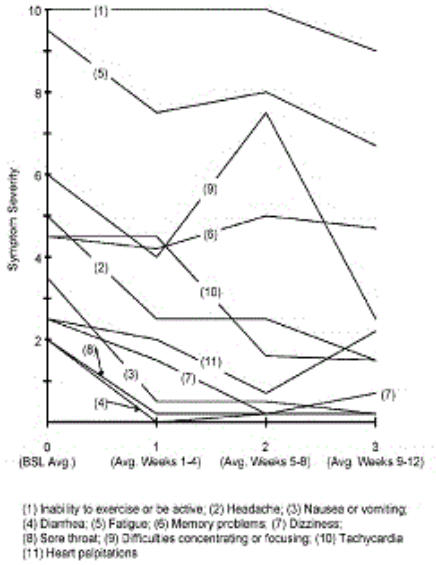


FIG.1(b)

21: 2022/09180. 22: 2022/08/16. 43: 2023/10/25
51: A61K; C12N
71: AIM IMMUNOTECH INC.
72: EQUELS, THOMAS K, STRAYER, DAVID R, YOUNG, DIANE L
33: US 31: 63/035,681 32: 2020-06-05
33: US 31: 63/125,195 32: 2020-12-14
54: COMPOSITIONS AND METHODS FOR TREATING LONG COVID
00: -
This disclosure relates to compositions and methods for treating a subject previously infected with a virus and afflicted with post viral fatigue symptoms such as, for example, Long Covid. The compositions and methods comprise a therapeutically effective amount of a composition comprising therapeutic double-stranded RNA tdsRNA.



(1) Inability to exercise or be active; (2) Headache; (3) Nausea or vomiting; (4) Diarrhea; (5) Fatigue; (6) Memory problems; (7) Dizziness; (8) Sore throat; (9) Difficulties concentrating or focusing; (10) Tachycardia (11) Heart palpitations

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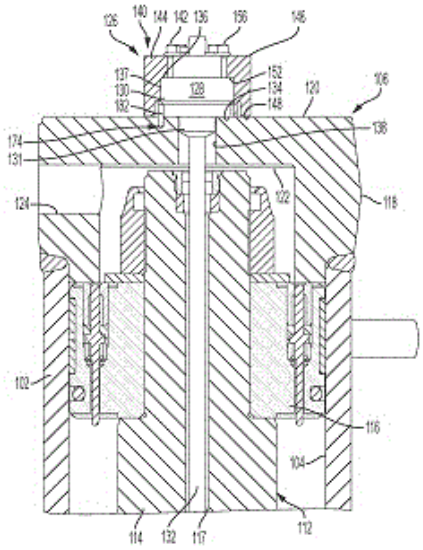
21: 2022/09184. 22: 2022/08/16. 43: 2023/10/25
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: BEKTO, HASIBA, CROTTY, BRIAN ANDREW, MOADDEL, TEANOOSH, WEST, ALAN MICHAEL
33: EP 31: 20169457.7 32: 2020-04-14
54: HYDRATABLE COSMETIC COMPOSITION
00: -
The present invention is directed to a cosmetic composition precursor that is rapidly hydratable and conducive to creating a personalized end-product. This invention thus relates to a cosmetic composition precursor having fatty acid, inorganic base, and high HLB surfactants and methods of using said precursors in creating the end-product. The invention also relates to end-use compositions made from the hydratable cosmetic composition precursor of the invention.

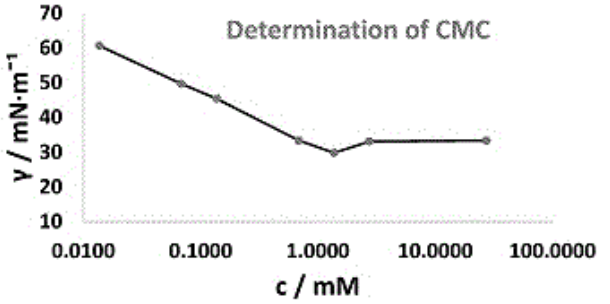
21: 2022/09242. 22: 2022/08/17. 43: 2023/10/25
51: F15B
71: CATERPILLAR INC.
72: MARQUETTE, MATTHEW S, SIDLES, TIMOTHY G
33: US 31: 16/797,957 32: 2020-02-21
54: FLANGE MOUNT CYLINDER SENSOR
00: -
Cylinder sensor assembly (126) includes a sensor (128) with pressure pipe (132) extending from the first sensor axial face (134) of a sensor body (130), an annular face seal (184) adapted to be disposed between the first sensor axial face (134) and an

endcap external axial face (120), and a sensor retention assembly (140). The sensor retention assembly (140) includes a plurality of fasteners (142) and a retainer body (144) having a retainer distal face (148), a plurality of through holes (154) and an internal chamber (150) with a radially-extending flange (152) extending into the internal chamber (150) with the internal chamber (150) open to the retainer distal face (148). The sensor body (130) is disposed within the internal chamber (150) adjacent the radially-extending flange (152).



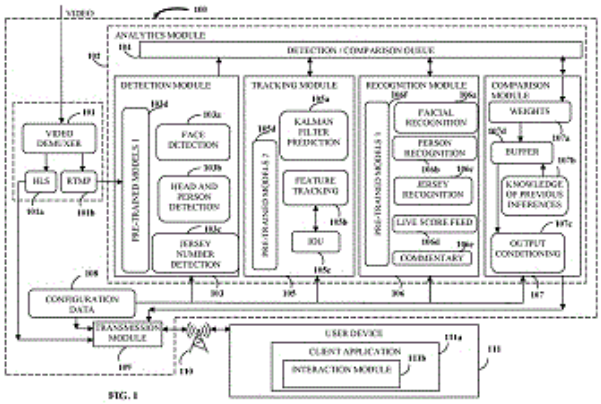
21: 2022/09243. 22: 2022/08/17. 43: 2023/10/25
51: C12N; C12P
71: CJ CHEILJEDANG CORPORATION
72: LEE, HAYUN, KIM, JU EUN, SHIM, JIHYUN, LEE, JI HYE, LEE, SUNG GUN
33: KR 31: 10-2020-0060578 32: 2020-05-20
54: NOVEL POLYPEPTIDE AND METHOD FOR PRODUCING L-LEUCINE USING SAME
00: -
The present application relates to: a novel mutant polypeptide having isopropylmalate synthase activity; and a method for producing L-leucine by using same. L-leucine can be produced at high yield by using the mutant polypeptide according to an embodiment.

21: 2022/09248. 22: 2022/08/17. 43: 2023/10/25
51: C07C; A61Q; C11D
71: ADVANSIX RESINS & CHEMICALS LLC
72: ASIRVATHAM, EDWARD, HONCIUC, ANDREI, MIHALI, VOICHITA
33: US 31: 62/967,170 32: 2020-01-29
54: AMINO ACID SURFACTANTS
00: -
The present disclosure provides derivatives of amino acids that have surface-active properties. The amino acid can be naturally-occurring or synthetic, or they may be obtained via a ring-opening reaction of a lactam, such as caprolactam. The amino acid may be functionalized to form a compound that is surface-active and have advantageous surfactant characteristics. The compounds of the present disclosure have low critical micelle concentrations (CMC) as well as superior ability to lower the surface tension of a liquid.

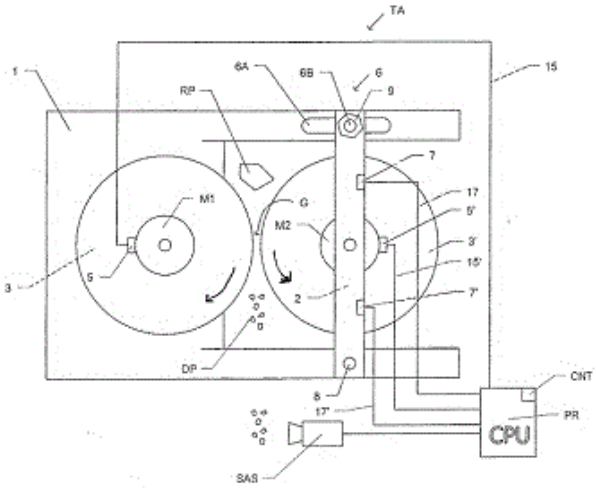


21: 2022/09296. 22: 2022/08/18. 43: 2023/10/25
51: H04N; G06K
71: EDISN INC.
72: CHANDRASEKHAR, AKSHAY, GUPTA, SHIVANK, KESWANI, MONISH KUMAR, KASHYAP, ARJUN
33: IN 31: 202041006309 32: 2020-02-13
54: SYSTEM AND METHOD FOR ANALYZING VIDEOS IN REAL-TIME
00: -
A method and a sports analytics system (SAS) for analyzing a live video broadcast stream (LVBS) of a sporting event are provided. The SAS splits the LVBS into a real time messaging protocol (RTMP) stream and a hypertext transfer protocol live stream (HLS) and analyses the RTMP stream using a phase difference between the RTMP stream and the HLS. The SAS detects persons present in a frame of the RTMP stream using a first set of cues and tracks the detected persons by analyzing preceding frames. The SAS recognizes the tracked persons using a second set of cues, assigns individual weights to

each of the second set of cues, and compares the assigned weights of each of the recognized persons with pre-existing data of all players to identify the players in the frame. The SAS transmits the HLS and contextual interactive content of the identified players to a user device.

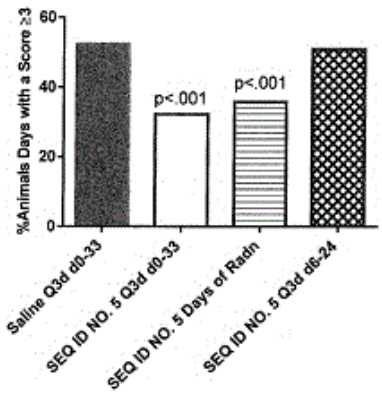


21: 2022/09301. 22: 2022/08/18. 43: 2023/10/25
51: B02C; G01N
71: GEOPYÖRÄ OY
72: DE PAIVA BUENO, MARCOS, TORVELA, JANNE, CHANDRAMOHAN, RAJIV
54: TEST ARRANGEMENT AND METHOD FOR TESTING BREAKAGE AND MECHANICAL PROPERTIES OF ROCK PARTICLES
00: -
The invention relates to a test arrangement for testing breakage and mechanical properties of rock particles. Test arrangement comprises a support (1, 2) and two counter-rotatable crushing rolls (3, 3') supported on the support (1, 2) and a drive arrangement (Ml, M2) for rotating the crushing rolls (3, 3'). Crushing rolls (3, 3') are facing each other and defining therebetween an input gap (G) for the rock particles, said rolls being arranged to crush rock particles (RP) to smaller daughter particles (DP). Test arrangement comprises a force measurement arrangement (7, 7') for determining the compressive strength of rock particles (RP). Force measurement arrangement (7, 7') being coupled to a processor (PR) comprised by the test arrangement. The processor (PR) being arranged to calculate the breakage force applied to each rock particle (RP) over time. The test arrangement (TA) further comprises an energy measurement arrangement (5, 5') for measuring information relating to energy applied to each rock particle (RP), said energy measurement arrangement (5, 5') being coupled to said processor (PR), said processor (PR) being arranged to calculate energy applied to each rock particle (PR).

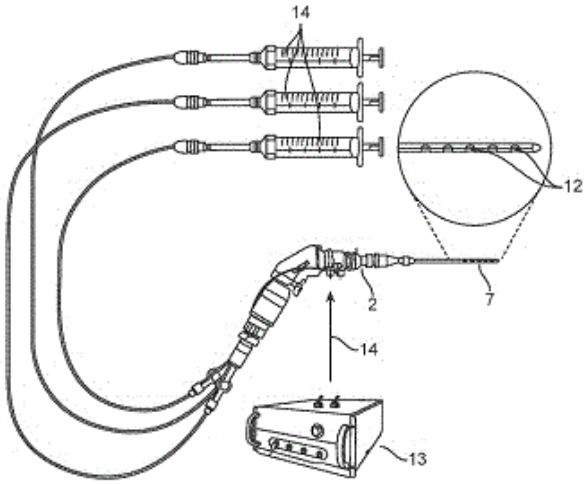


21: 2022/09308. 22: 2022/08/19. 43: 2023/10/25
51: C07K
71: SOLIGENIX, INC., DONINI, OREOLA, ROZEK, ANNETT, LEE, JACKSON, NORTH, JOHN, ABRAMS, MICHAEL
72: DONINI, OREOLA, ROZEK, ANNETT, LEE, JACKSON, NORTH, JOHN, ABRAMS, MICHAEL
33: US 31: 61/877,767 32: 2013-09-13
54: NOVEL PEPTIDES AND ANALOGS FOR USE IN THE TREATMENT OF ORAL MUCOSITIS
00: -
Preclinical data obtained in models of chemotherapy-induced mucositis, radiation-induced mucositis, neutropenic infection and coiitis indicate oral mucositis is a promising indication for Innate Defense Regulator (IDR) peptides. Preclinical efficacy results obtained with IDRs in mouse and hamster models of mucositis indicate that dosing every third day should be able to cover the mucositis "window" with seven to fourteen doses, depending on the duration of chemotherapy or radiation exposure. IDRs have also shown efficacy in mouse models of chemotherapy-induced oral and gastrointestinal mucositis, consistent with the response of the innate immune response to chemotherapy and / or radiation damage. IDRs are also effective at reducing bacterial burden and improve survival in the presence or absence of

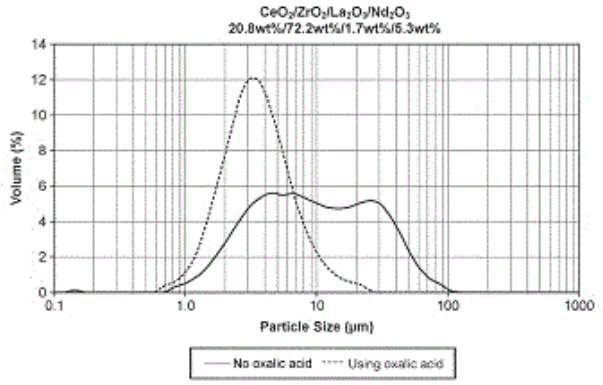
antibiotic treatment in various murine infection models.



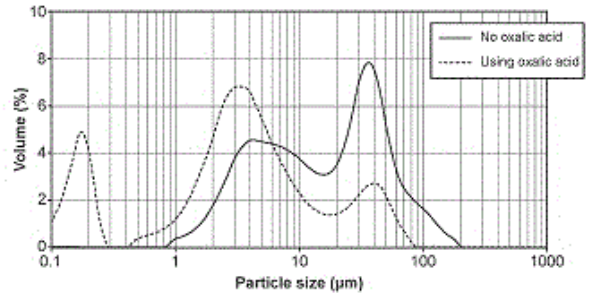
21: 2022/09341. 22: 2022/08/19. 43: 2023/10/25
51: A61B
71: YAE, LLC
72: FISCHMANN, FERNANDO BENJAMIN
33: US 31: 62/964,961 32: 2020-01-23
54: MINIMALLY INVASIVE HOLLOW SKIN TIGHTENING DEVICES FOR COLLAGEN STIMULATION WITH ENERGY AND MEDICATION DELIVERY
00: -
The invention provides an innovative low cost, efficient, short duration, and painless minimally invasive device and method for tightening sagging skin through linear tensing and stimulation of collagen production. More particularly still, the device and method not only allow applying heat directly in the dermis layer of the skin, but also allows for administering an anesthetic and optionally additional ant-inflammatory or collagen induction fluids through the same apparatus.



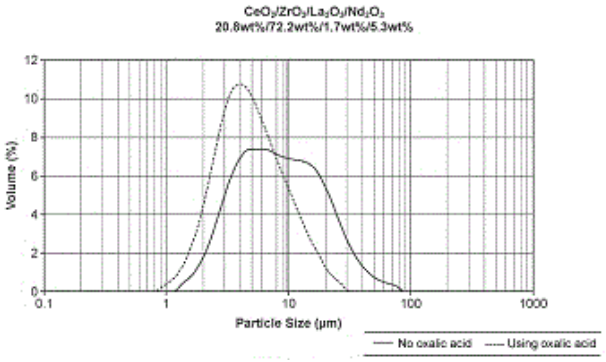
21: 2022/09344. 22: 2022/08/19. 43: 2023/10/25
51: B01J; B01D; C01F
71: NEO PERFORMANCE MATERIALS (SINGAPORE) PTE. LTD.
72: HUANG, BARRY, KOH, PERLYN, NG, SZU HWEE, TANG, JESLINE
33: US 31: 62/982,140 32: 2020-02-27
54: COMPOSITIONS CONTAINING ZIRCONIUM AND CERIUM AND METHODS FOR PREPARING SAME USING OXALIC ACID AND AN ALCOHOL
00: -
Disclosed herein are mixed oxide compositions comprising zirconium and cerium having a surprisingly small particle sizes. The compositions disclosed herein contain zirconium, cerium, optionally yttrium, and optionally one or more other rare earths other than cerium and yttrium. The compositions exhibit a particle size characterized by a D90 value of about 5 um to about 25 μm and a D99 value of about 5 μm to about 50 μm. Further disclosed are processes of producing these compositions using oxalic acid and an alcohol and heating in the process. The compositions can be used as a catalyst and/or part of an automobile exhaust system.



21: 2022/09345. 22: 2022/08/19. 43: 2023/10/25
51: B01J; B01D; C01F
71: NEO PERFORMANCE MATERIALS (SINGAPORE) PTE. LTD.
72: HUANG, BARRY, KOH, PERLYN, TANG, JESLINE, NG, SZU HWEE
33: US 31: 62/979,660 32: 2020-02-21
54: COMPOSITIONS CONTAINING CERIUM AND ZIRCONIUM AND METHODS FOR PREPARING SAME USING OXALIC ACID
00: -
Disclosed herein are compositions comprising zirconium and cerium having a surprisingly small particle sizes. The compositions disclosed herein contain zirconium, cerium, optionally yttrium, and optionally one or more rare earths other than cerium and yttrium The compositions exhibit a particle size characterized by a Dso value of about 20 µm to about 45 µm and a D99 value of about 55 µm to about 1 00 µm. Further disclosed are processes of producing these compositions using oxalic acid in the process. The compositions can be used as a catalyst and/or part of a catalytic system for automobile exhaust gas.



21: 2022/09346. 22: 2022/08/19. 43: 2023/10/25
51: B01J; B01D; C01F
71: NEO PERFORMANCE MATERIALS (SINGAPORE) PTE. LTD.
72: HUANG, BARRY, KOH, PERLYN, TANG, JESLINE, NG, SZU HWEE
33: US 31: 62/990,420 32: 2020-03-16
54: COMPOSITIONS CONTAINING ZIRCONIUM AND CERIUM AND METHODS FOR PREPARING SAME USING OXALIC ACID AND SUPERCRITICAL DRYING
00: -
Disclosed herein are compositions containing zirconium and cerium having a surprisingly small particle size. The compositions disclosed herein contain zirconium, cerium, optionally yttrium, and optionally one or more other rare earth oxides other than cerium and yttrium. The compositions exhibit a particle size characterized by a D90 value of about 5 µm to about 30 µm and a D99 value of about 5 um to about 40 um. Further disclosed are processes of producing these compositions using oxalic acid and supercritical drying in the process. The compositions can be used as a catalyst and/or part of a catalytic system. The composition is prepared by co-precipitation using oxalic acid and supercritical drying.



21: 2022/09393. 22: 2022/08/22. 43: 2023/10/25
51: B01D
71: CATERPILLAR INC.
72: MOREHOUSE III, DARRELL L, IMMEL, JON T, RIES, JEFFREY R, OEDEWALDT, STEPHEN E, SPENGLER, PHILIP C
33: US 31: 16/799,356 32: 2020-02-24
54: FILTER ELEMENT LOCKING MECHANISM
00: -
A method (500) of assembling a canister filter system includes inserting a first filter component into a second filter component (step 502), and continuing the insertion until a first tab of either the first filter component or the second filter component contacts

the other of the first filter component and the second filter component (step 504).

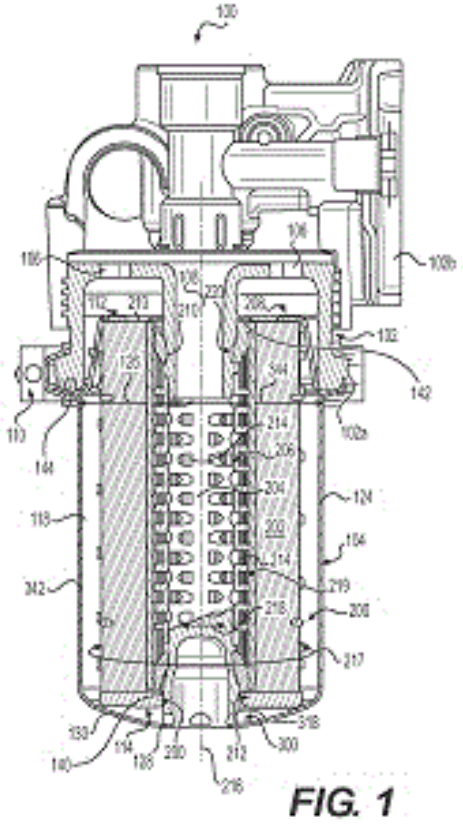
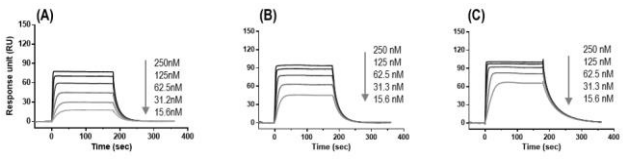


FIG. 1

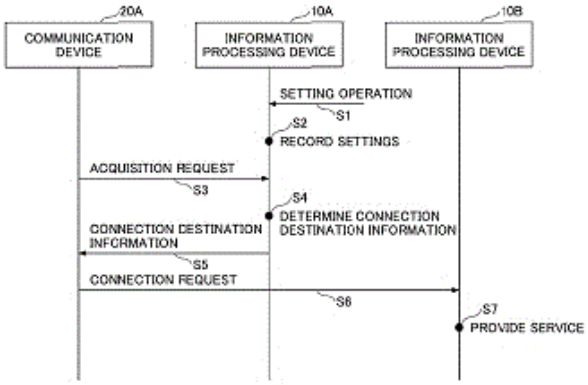
21: 2022/09565. 22: 2022/08/26. 43: 2023/10/10
51: C07K C12N
71: HANMI PHARM. CO., LTD.
72: OH, Euh Lim, KIM, Sang Yun, HEO, Yong Ho, KIM, Jin Young, PARK, Cho Rong, PARK, Jun Sub, RYU, Hyun Soo
33: KR 31: 10-2020-0039476 32: 2020-03-31
54: NOVEL IMMUNOSTIMULATING IL-2 ANALOGS
00: -
The present invention relates to an interleukin 2 analog having an improved interleukin 2 alpha receptor binding force and increased interleukin 2 beta receptor binding force.



21: 2022/09601. 22: 2022/08/29. 43: 2023/10/31
51: G06Q
71: PEDAWI, SARWAR
72: PEDAWI, SARWAR
33: US 31: 16/055,775 32: 2018-08-06
54: GLOBAL ADDRESS SYSTEM AND METHOD
00: -
The invention relates to a method and system for generating an encoded indicator of routing instructions. The system comprises a memory, a processor and a communications link configured to transmit electronic data between a user device and the processor. The processor is configured to: (i) receive from the user device, based on an interaction with an interactive map displayed on a user interface of a user device, positioning information; (ii) validate, based on a signal received from a device in proximity to the user device indicating a current location of the user device, the positioning information; (iii) determine, based on a comparison of the validated positioning information and raster data, that a location indicated by the validated positioning information is inaccessible via a publicly maintained thoroughfare; (iv) determine, based on object class detection applied to raster data, routing instructions to access the location inaccessible via the publicly maintained thoroughfare; (v) generate an encoded indicator of the routing instructions; and (vi) send, to the user device, an indication of the location inaccessible via the publicly maintained thoroughfare and the encoded indicator of the routing instructions.

21: 2022/09618. 22: 2022/08/29. 43: 2023/10/31
51: G06F
71: DAIKIN INDUSTRIES, LTD.
72: WAKAMATSU, KOUSUKE, NOHARA, KENTA, NAKATSUKA, GOU
33: JP 31: 2020-035381 32: 2020-03-02
54: COMMUNICATION DEVICE, PROGRAM, COMMUNICATION METHOD, INFORMATION PROCESSING METHOD, INFORMATION PROCESSING DEVICE, AND COMMUNICATION SYSTEM
00: -
This communication device includes: an acquiring unit which transmits first identification information identifying the communication device to a first connection destination, and which acquires information relating to a second connection destination corresponding to the first identification

information; and a transmitting unit which transmits data to the second connection destination.

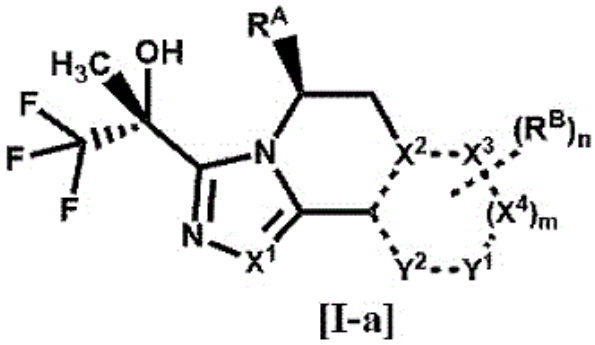


21: 2022/09620. 22: 2022/08/29. 43: 2023/10/31
51: C07D; A61K; A61P; C12N
71: JAPAN TOBACCO INC.
72: SUZAWA, KOICHI, FUJISHIMA, YUKI, YAMAKAWA, MAKI, UENO, HIROSHI, MANABE, TOMOYUKI
33: JP 31: 2020-036931 32: 2020-03-04
33: JP 31: 2021-001452 32: 2021-01-07

54: FUSED TRICYCLIC COMPOUND AND MEDICINAL USE THEREOF

00: -

The present invention provides a compound which has a PDHK inhibitory activity and is useful for treating or preventing diabetes (type 1 diabetes, type 2 diabetes, etc.), insulin resistance syndrome, metabolic syndrome, hyperglycemia, hyperlactatemia, diabetes complications (diabetic neuropathy, diabetic retinopathy, diabetic nephropathy, cataract, etc.), heart failure (acute heart failure, chronic heart failure), cardiomyopathy, myocardial ischemia, myocardial infarction, angina pectoris, dyslipidemia, atherosclerosis, peripheral arterial disease, intermittent claudication, chronic obstructive pulmonary disease, brain ischemia, stroke, mitochondrial disease, mitochondrial encephalomyopathy, cancer, pulmonary hypertension, Alzheimer's disease, vascular dementia, glaucoma, retinopathy of diabetes, retinopathy of prematurity, retinal vein occlusion, ischemic optic neuropathy or chronic kidney disease. The present invention pertains to a compound represented by formula [I-a] or a pharmaceutically acceptable salt thereof. [In the formula, each symbol is as defined in the description.]



[I-a]

21: 2022/09622. 22: 2022/08/29. 43: 2023/10/31
51: A61Q; A61K; C11D
71: UNILEVER GLOBAL IP LIMITED
72: DAY, KIMBERLY, KOZAR, MORGAN NICOLE, RIENZO, MATTHEW JOSEPH, VASUDEVAN, TIRUCHERAI VARAHAN
33: US 31: 16/832644 32: 2020-03-27
33: EP 31: 20169711.7 32: 2020-04-15

54: COMPOSITIONS COMPRISING NATURALLY DERIVED PRESERVATIVES

00: -

The invention is directed to a composition suitable for topical application that comprises a naturally derived preservative having benzoic acid or a derivative thereof. The composition is stable when preserved with the naturally derived preservative and when at a pH that is above the natural pH of skin to as high as 7.25.

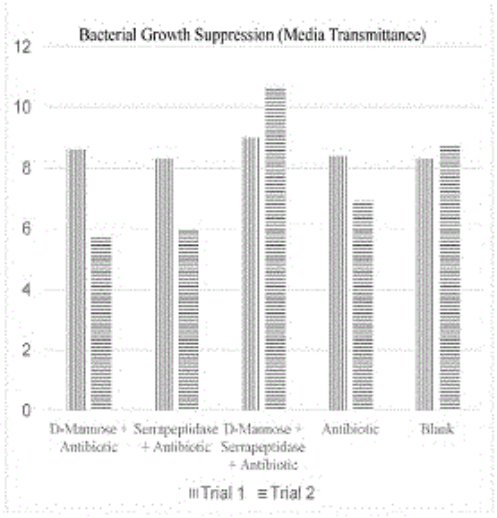
21: 2022/09623. 22: 2022/08/29. 43: 2023/10/31
51: A61K; A61P
71: PATEL, NIMESH
72: PATEL, NIMESH
33: US 31: 62/984,135 32: 2020-03-02

54: A PHARMACEUTICAL COMPOSITION AND METHOD OF TREATMENT USING SERRATIOPEPTIDASE, MANNOSE OR ITS DERIVATIVE, AND OPTIONALLY ANTINFECTION AGENTS

00: -

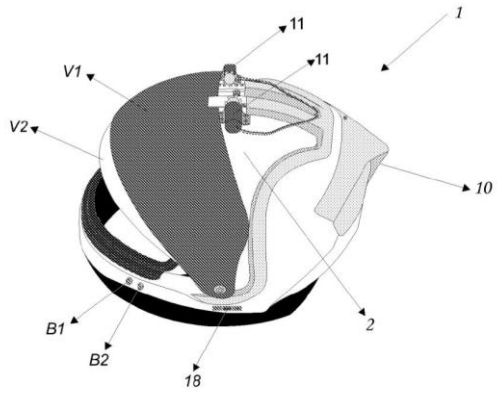
The present invention relates to method of treating infectious disease, wherein treatment comprises administration of Serratiopeptidase, Mannose or isomers, salts, other derivatives thereof, and one or more antiinfection agents, in same or different compositions to humans or animals. The present invention relates to pharmaceutical composition comprising Serratiopeptidase and Mannose or isomers, salts, other derivatives thereof. The present

invention relates to a pharmaceutical composition comprising Serratiopeptidase, Mannose or isomers, salts, other derivatives thereof, and one or more antiinfection agents.



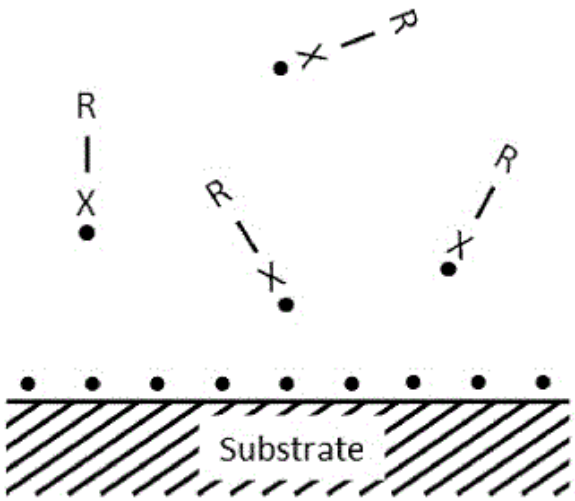
21: 2022/09625. 22: 2022/08/29. 43: 2023/10/31
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: APPAVOO, SHANTHI, MAHAPATRA, SAMIRAN, NALAWADE, SHRIKANT POPAT, MANICKAM, KARTHICK
33: EP 31: 20163023.3 32: 2020-03-13
54: A CLEANING COMPOSITION
00: -
The present invention relates to a unit-dose cleaning composition for use in cleaning surfaces, in particular for cleaning submerged surfaces such as toilet bowls. The composition comprises a surfactant system comprising a cationic surfactant, one or more substituted phenols selected from thymol, sec-butylphenol, carvacrol, eugenol, propylphenol or mixtures thereof, one or more aliphatic terpene alcohols; and one or more unsaturated terpenes selected from limonene, alpha-terpinene, terpinolene, cymene, phellandrene or mixtures thereof.

21: 2022/09671. 22: 2022/08/30. 43: 2023/09/27
51: A42B
71: Rodrigo Carlos FERREIRA DA SILVA, Elimar SOARES DE OLIVEIRA
72: SOARES DE OLIVEIRA, Elimar
54: STRUCTURAL ARRANGEMENT FOR A MOTOR HELMET WITH AUTOMATED VISOR
00: -
The invention relates to a structural arrangement for a motor helmet (1) the protective shell (2) of which has a recessed cavity in the upper portion forming protrusions (7 and 8), each protrusion (8) having a space for the rack (13), and an opening (6); a front cavity (3) receives a rear fairing (10) and has a second recessed cavity (4) with an opening between the protective shell (2) and the inner shell (5); on the edges of the visors (V1 and V2) is fastened a rack (13) with teeth (14) actuated by a mini motor (11) with gear (12) strategically arranged in each of the outlets of the protrusions (8), in the protective shell (2) and on one end of the rack (13), with actuation by buttons (B1 and B2) on the helmet or devices with electronic controls by means of radio signals, installed both on the helmet and on the motorcycle or even by remote control, and power is supplied by a battery (Bt).



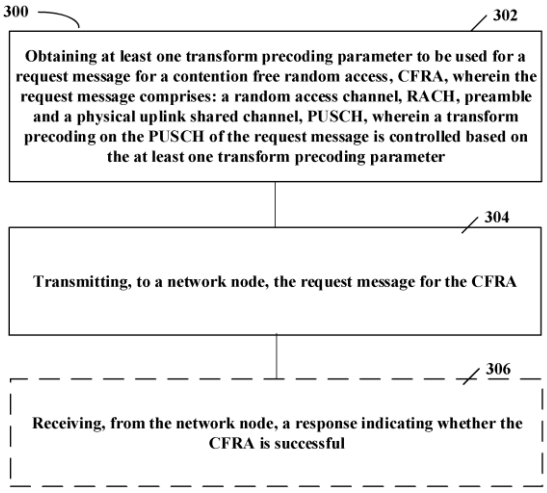
21: 2022/09696. 22: 2022/08/30. 43: 2023/10/31
51: B05D; A01N; A62B
71: MOLECULAR PLASMA GROUP S.A.
72: HEYBERGER, RÉGIS, SCHELTJENS, GILL, BOREK-DONTEN, JOANNA, NISOL, BERNARD, LOPES, MAXIMILIEN
33: EP 31: 20163607.3 32: 2020-03-17
33: EP 31: 20194143.2 32: 2020-09-02
54: PLASMA COATING TREATMENT METHOD FOR INHIBITING BIOLOGICAL PATHOGEN TRANSFER
00: -
The present invention concerns a method for providing a bio-active layer on a surface, comprising the steps of: a) ionizing a plasma gas at low temperature of 150°C or lower, and at about atmospheric pressure, thereby creating a plasma; b)

introducing a precursor into said plasma; c) exposing the surface to said plasma comprising said precursor, thereby forming a coating onto said surface, characterised in that the precursors comprise a biological pathogen transfer inhibiting compound.



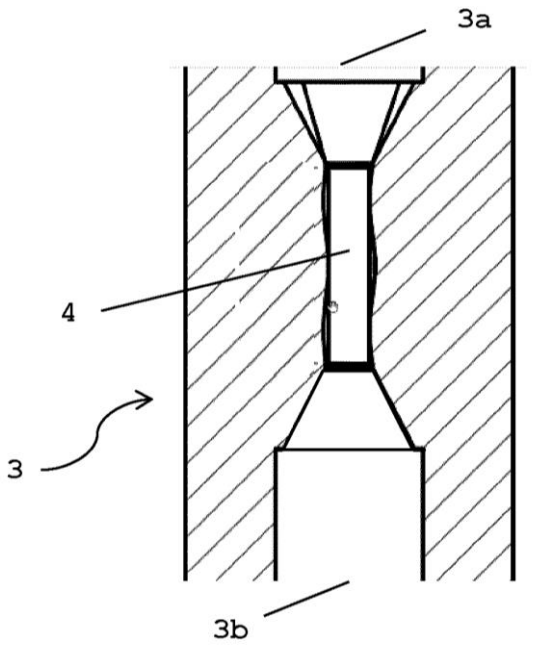
21: 2022/09697. 22: 2022/08/30. 43: 2023/10/31
51: B05D; A01N; A62B
71: MOLECULAR PLASMA GROUP S.A.
72: HEYBERGER, RÉGIS, SCHELTJENS, GILL, BOREK-DONTEN, JOANNA
33: EP 31: 20163607.3 32: 2020-03-17
54: PLASMA COATING METHOD AND APPARATUS FOR BIOLOGICAL SURFACE MODIFICATION
00: -
The present invention concerns a method for providing a bio-active layer on a surface, comprising the steps of: a) ionizing a plasma gas at low temperature of 150°C or lower, and at about atmospheric pressure, thereby creating a plasma; b) introducing a precursor into said plasma; c) exposing the surface to said plasma comprising said precursor, thereby forming a coating onto said surface, whereby said plasma gas is ionized by means of electrodes, whereby said plasma gas is ionized by said electrodes with a power of at most 10 Watt per cm² of the electrode surface, whereby the bio-active layer is an antibiofouling layer, an antibacterial layer, an antiviral layer and/or an microbial collecting layer, whereby said plasma gas comprises inert gas for at least 99 % by volume, whereby said inert gas is a non-noble gas.

21: 2022/09726. 22: 2022/08/31. 43: 2023/09/27
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: LIN, Zhipeng
33: CN 31: PCT/CN2020/074617 32: 2020-02-10
54: METHOD AND APPARATUS FOR TRANSFORM PRECODING CONFIGURATION IN RANDOM ACCESS PROCEDURE
00: -
Embodiments of the present disclosure provide methods and apparatus for transform precoding parameter in random access procedure. A method implemented at a terminal device comprises obtaining at least one transform precoding parameter to be used for a request message for a contention free random access, CFRA. The method further comprises transmitting, to a network node, the request message for the CFRA. The request message comprises: a random access channel, RACH, preamble and a physical uplink shared channel, PUSCH. A transform precoding on the PUSCH of the request message is controlled based on the at least one transform precoding parameter.

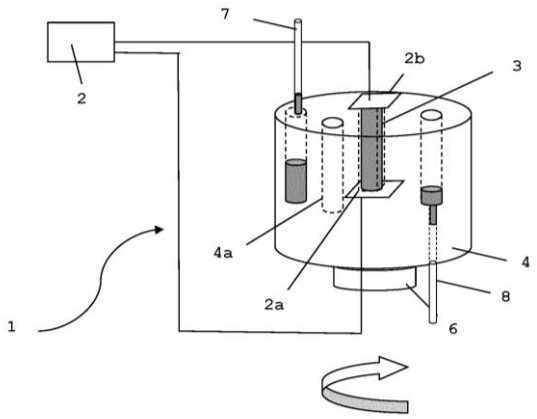


21: 2022/09727. 22: 2022/08/31. 43: 2023/09/27
51: C12M C12N
71: BÜHLER AG
72: MATHYS, Alexander, BUCHMANN, Leandro, GEORGET, Erika, Sylvie, BÜNDER, Jana, Carmen
33: EP 31: 20156009.1 32: 2020-02-07
54: MODIFIED TREATMENT CHAMBER FOR TREATING CELLS
00: -

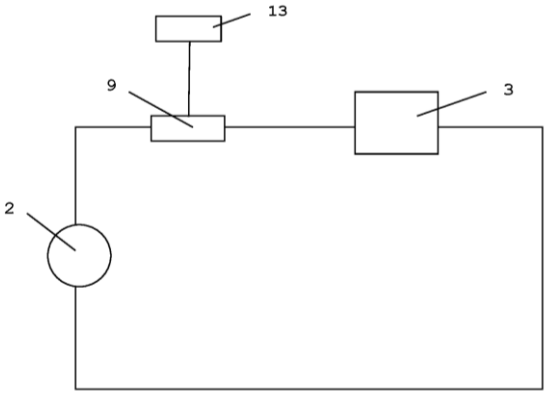
The present invention is related to a treatment unit (3) having an inlet (3a) and an outlet (3b), and a treatment space (4) being formed inside the treatment unit (3) such that it can be penetrated by electric pulses, said treatment space (4) being fluidly connected with the inlet (3a) and the outlet (3b), wherein at least a portion of an inner side face of the treatment space (4) is curved. The present invention is furthermore related to a device comprising such a treatment unit and to a method to be performed with said device, and wherein the inlet (3a) is formed in a top face of the treatment unit (3), and the outlet (3b) is formed in a bottom face of the treatment unit (3).



21: 2022/09729. 22: 2022/08/31. 43: 2023/09/27
51: C12M C12N
71: BÜHLER AG
72: LARSEN, Sara, O'REILLY, John, Robert, MATHYS, Alexander, BUCHMANN, Leandro, GEORGET, Erika, Sylvie, BÜNDER, Jana, Carmen
33: EP 31: 20156005.9 32: 2020-02-07
54: DEVICE FOR TREATING CELLS
00: -
The present invention relates to a device (1) for treating cells for stimulating cell growth, comprising a unit (2) for generating and emitting electric pulses and an electric field resulting therefrom, and a treatment space (3) that can be penetrated by the emitted electric pulses, wherein the device (1) further comprises a unit (4, 9) which can be moved into and out of said treatment space (3) such that cell material provided within a compartment (4a) of said unit (4), or provided in a container (5) on or in said unit (4, 9), can be moved into and out of said treatment space (3), and wherein said treatment space (3) is provided between two electrodes (2a, 2b) or plates of a capacitor parallel to each other.



21: 2022/09730. 22: 2022/08/31. 43: 2023/09/27
51: A23L A61N C12M C12N
71: BÜHLER AG
72: HUG, Jsmea, MATHYS, Alexander, BUCHMANN, Leandro, GEORGET, Erika, Sylvie
33: EP 31: 20156008.3 32: 2020-02-07
54: CONDUCTIVITY-ADJUSTED DEVICE FOR TREATING CELLS
00: -
The present invention is related to a device (1), comprising a unit (2) for generating and emitting electric pulses, two or more electrodes or plates (2a, 2b) of a capacitor that are arranged in one electric circuit with said unit (2), and a treatment space (3) arranged between said electrodes or plates (2a, 2b) so that the treatment space (3) can be penetrated by the emitted electric pulses and an electric field resulting there- from, characterized in that at least one adjustable resistor (9) is arranged in said electric circuit.



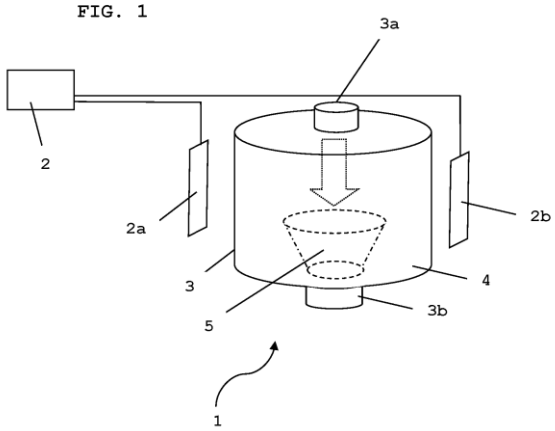
21: 2022/09732. 22: 2022/08/31. 43: 2023/09/27
51: C12M
71: BÜHLER AG
72: ARNULNESAN, Johan, MATHYS, Alexander, BUCHMANN, Leandro, GEORGET, Erika, Sylvie, BÜNDER, Jana, Carmen, KINSELLA, David
33: EP 31: 20156006.7 32: 2020-02-07

54: NON-CONTACT DEVICE FOR TREATING CELLS

00: -

The present invention relates to a device (1) for treating cells for stimulating cell growth, comprising a unit (2) for generating and emitting electric pulses, and a treatment unit (3) having an inlet (3a) and an outlet (3a), a treatment space (4) being formed inside the treatment unit (3), the treatment space (4) being penetrated by the emitted electric pulses and an electric field resulting therefrom, a cell material entering into the treatment space (4) through the inlet (3a) being moved without contact through the treatment space (4) and the electric field penetrating the treatment space (4) to the outlet (3b).

FIG. 1

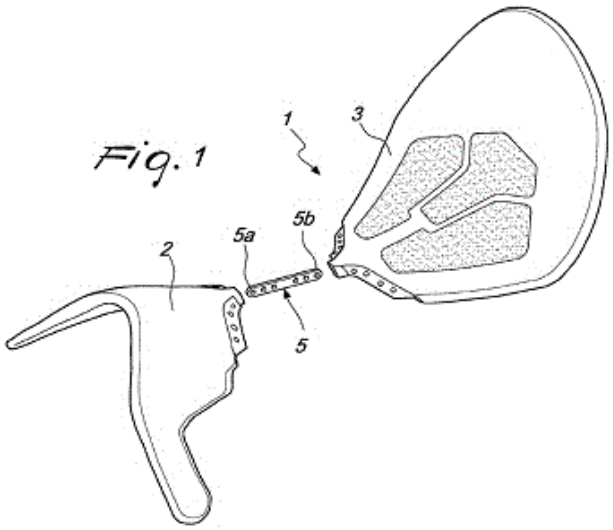


21: 2022/09756. 22: 2022/08/31. 43: 2023/10/31
51: B68C
71: PRESTIGE ITALIA S.P.A.
72: RASIA, ANDREA
33: IT 31: 102020000006154 32: 2020-03-24
33: IT 31: 102020000019090 32: 2020-08-04

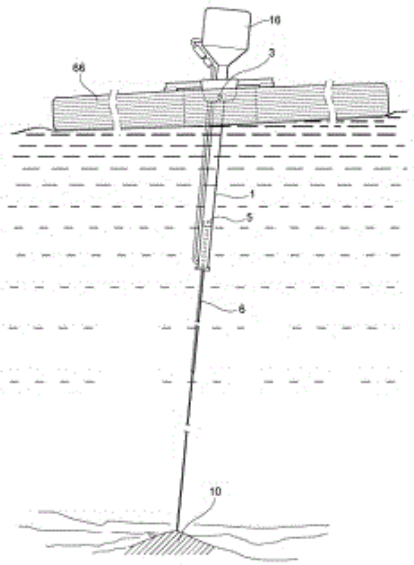
54: SADDLE FOR HORSE RIDING

00: -

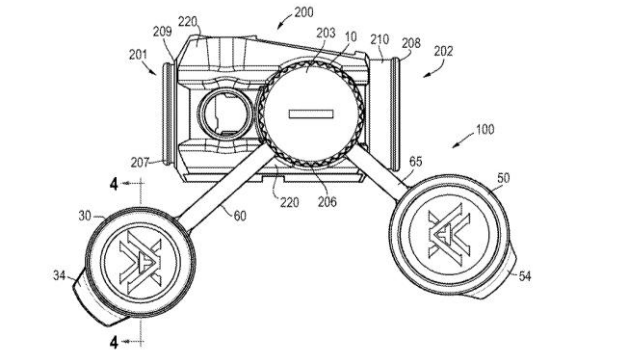
A saddle for horse riding, comprising a supporting frame (1) associated with at least one covering body designed to define a seat for the user, the supporting frame (1) having a front region (2), which comprises a pommel, and a rear region (3), which comprises acantle; the supporting frame (1) is provided with connecting means (4) for connection between the front region (2) and the rear region (3) that are adapted to allow a rotation about an oscillation axis (100), which in use is substantially vertical, of the rear region (3) with respect to the front region (2).



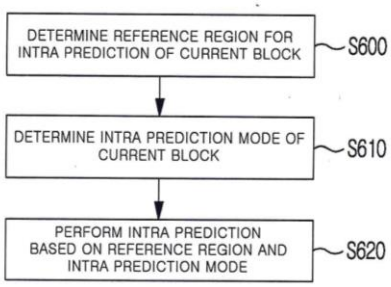
21: 2022/09757. 22: 2022/08/31. 43: 2023/10/31
51: F03B; E02B
71: NOVIGE AB
72: SKJOLDHAMMER, JAN, POHJANVUORI, TIMO
33: SE 31: 2050189-6 32: 2020-02-20
54: POWER TAKE-OFF APPARATUS FOR A WAVE ENERGY CONVERTER AND WAVE ENERGY CONVERTER COMPRISING THE SAME
00: -
A power take-off apparatus for a wave energy converter of point absorber type, comprising: a cylinder (1) adapted to be attached to a floating device and comprising a first upper end and a second lower end; a piston (5) arranged to reciprocate inside the cylinder (1) and having a piston rod (6) adapted to be attached to a mooring; at least one penstock (13) arranged parallel to the cylinder (1) and comprising a first lower end in fluid communication with the second end of the cylinder (1) through a first opening, and a second upper end comprising a second opening; a housing (16) arranged above the first end of the cylinder (1), wherein the housing (16) is in fluid communication with the penstock (13) through the second opening and in fluid communication with the first end of the cylinder (1) through a third opening in a bottom of the housing (16) such that the cylinder (1), the at least one penstock (13) and the housing (16) together form a closed loop for a working fluid in the power take-off apparatus; and a water turbine (4) arranged inside the housing (16) and oriented such that working fluid entering the housing (16) from the at least one penstock (13) through the second opening causes rotation of the water turbine (4) to drive an electrical generator (15) connected thereto. A wave energy converter comprising such a power take-off apparatus is also disclosed.



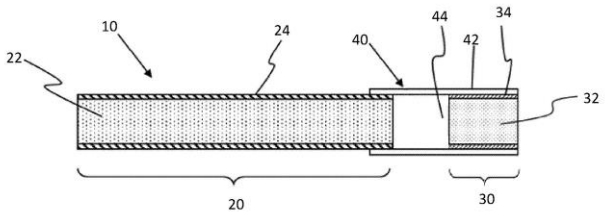
21: 2022/09824. 22: 2022/09/02. 43: 2023/10/02
51: G03B F41G
71: SHELTERED WINGS, INC. d/b/a VORTEX OPTICS
72: ROSEN, Michael, A., MORELL, Robert, HAMILTON, David
33: US 31: 62/969,285 32: 2020-02-03
54: PROTECTIVE LENS COVER ASSEMBLY
00: -
A protective lens cover assembly is provided. A protective lens cover assembly comprises a body, a first lens cover and a second lens cover. The first and second lens covers are connected to the body. The first lens cover has a first set of securing structures and a second set of securing structures. The second lens cover also has a first set of securing structures and a second set of securing structures. The first set of securing structures of one of the first lens cover and second lens cover is configured to engage the second set of securing structures of the other of the first lens cover and second lens cover.



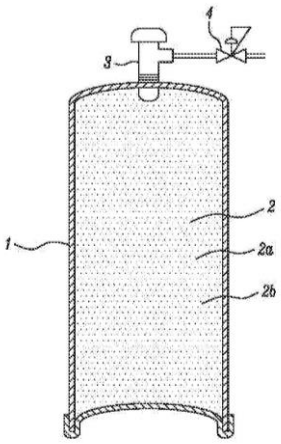
21: 2022/10141. 22: 2022/09/13. 43: 2023/12/11
51: H04N
71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
72: KIM, Ki Baek
54: METHOD AND DEVICE FOR CODING/DECODING IMAGE USING INTRA PREDICTION
00: -
A method and a device for encoding/decoding an image according to the present invention may determine a reference region for intra prediction of a current block, derive an intra prediction mode of the current block on the basis of a predetermined MPM candidate group, and perform intra prediction on the current block on the basis of the reference region and the intra prediction mode.



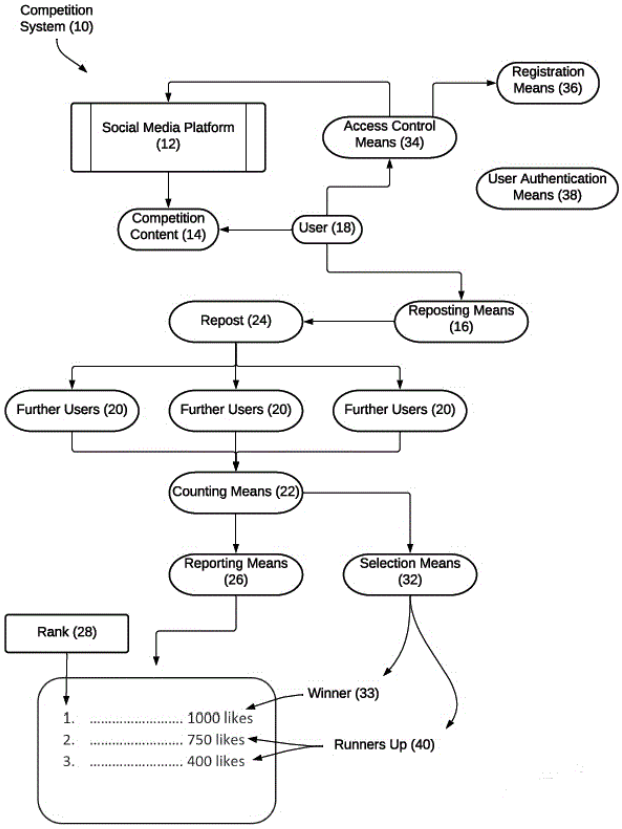
21: 2022/10153. 22: 2022/09/13. 43: 2023/11/20
51: A24C; A24D
71: PHILIP MORRIS PRODUCTS S.A.
72: CAMUS, Alexandre, CIFTCIOGLU, Yalin, LEKILI, Levent
33: EP 31: 20158535.3 32: 2020-02-20
54: AEROSOL-GENERATING ARTICLE HAVING BRIDGING ELEMENT WITH BASIS WEIGHT
00: -
An aerosol-generating article (10) comprising a rod (20) comprising an aerosol-generating substrate (22); a filter (30) in axial alignment with the rod (20); a bridging element (40) comprising a first wrapper (42), the first wrapper circumscribing the rod (20) and the filter and securing the filter to the rod; and a cavity (44) located between the rod and the filter, the cavity (44) being partially delimited by the inner surface of the first wrapper (42) in a first portion of the bridging element (40), wherein the first portion of the bridging element (40) has a basis weight of 50 grams per square meter or greater.



21: 2022/10205. 22: 2022/09/14. 43: 2023/10/19
51: C10L
71: Praxair Technology, Inc.
72: SONG, Xuemei, KANE, William S., SINHA, Ashwini K.
33: US 31: 62/978,989 32: 2020-02-20
54: IMPROVED SOLVENTS FOR ACETYLENE FLUID STORAGE
00: -
A composition comprising acetylene fluid at least partially solubilized in an improved solvent is described. The improved solvents exhibit non-toxicity and are further characterized by low vapor pressures to minimize solvent carryover during delivery of the acetylene fluid, while retaining suitable acetylene solubilizing capacity.

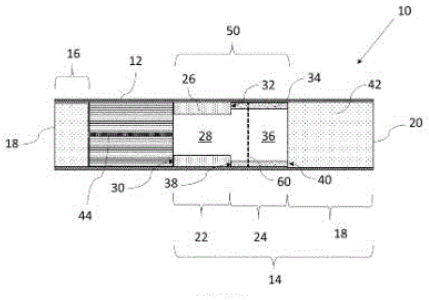


21: 2022/10604. 22: 2022/09/26. 43: 2023/09/27
51:
71: THEDI, Thabiso Tshidiso
72: THEDI, Thabiso Tshidiso
33: ZA 31: 2021/07096 32: 2021-09-23
54: A COMPETITION SYSTEM
00: -
The competition system 10 includes a social media platform 12 configured to allow content 14 relating to a competition to be posted and displayed thereon, reposting means 16 for allowing a user 18 of the platform 12 to repost the competition content 14 on the platform 12 for viewing by further users 20, counting means 22 for counting a number of times a repost 24 of a particular reposter 18 is liked, reporting 5 means 26 for reporting in real time to the reposter 18, the number of times its repost 24 is liked along with the reposter's rank 28 which is based on the number of likes received in relation to the number of likes received by further reposters (not shown), and selection means 32 for selecting a winner 33 of the competition based on the number of likes received.



21: 2022/10617. 22: 2022/09/26. 43: 2023/11/20
51: A24D
71: PHILIP MORRIS PRODUCTS S.A.
72: BERTOLDO, Massimiliano, PRESTIA, Ivan, MONTANARI, Edoardo, ORSOLINI, Paola, D'AMBRA, Gianpaolo
33: EP 31: 20160254.7 32: 2020-02-28
54: AEROSOL-GENERATING ARTICLE INCLUDING UPSTREAM ELEMENT
00: -
There is provided an aerosol-generating article (10) for producing an inhalable aerosol upon heating, the aerosol-generating article (10) comprising: a rod (12) of aerosol-generating substrate comprising a gel composition, the gel composition comprising at least one gelling agent, at least one of an alkaloid compound and a cannabinoid compound and an aerosol former; an upstream element (46) upstream of the rod (12) of aerosol-generating substrate and abutting the upstream end of the rod (12) of aerosol-generating substrate; and a downstream section (14) arranged downstream of the rod (12) of aerosol-generating substrate and in axial alignment with the rod (12) of aerosol-generating substrate, the downstream section (14) comprising one or more downstream elements. The resistance to draw (RTD)

of the upstream element is between 5 millimetres H2O and 80 millimetres H2O.

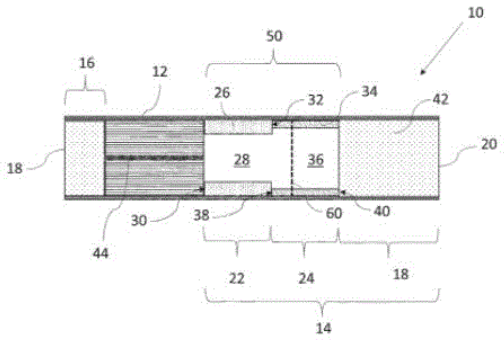


21: 2022/10620. 22: 2022/09/26. 43: 2023/11/13
51: A24D
71: PHILIP MORRIS PRODUCTS S.A.
72: UTHURRY, Jerome, BERTOLDO, Massimiliano, NESOVIC, Milica, LHAOU, Ayoub, MONTANARI, Edoardo
33: EP 31: 20160234.9 32: 2020-02-28

54: VENTILATED AEROSOL-GENERATING ARTICLE WITH UPSTREAM POROUS SEGMENT

00: -

There is provided an aerosol-generating article (10) comprising: a rod (12) of aerosol-generating substrate; and a downstream section (14) at a location downstream of the rod (12) of aerosol-generating substrate. The downstream section (14) comprises: a support element (22) located immediately downstream of the rod (12), the support element (12) being in longitudinal alignment with the rod (12) and comprising a first hollow tubular segment (26); and an aerosol cooling element (24) located immediately downstream of the support element (22), the aerosol-cooling element (24) being in longitudinal alignment with the support element (22) and the rod (12) and comprising a second hollow tubular segment (34). The aerosol-generating article (10) further comprises a ventilation zone (60) at a location along the second hollow tubular segment (34), and an upstream section (16) at a location upstream of the rod (12). The upstream section (16) comprises an upstream element (46) positioned immediately upstream of the rod (12) of aerosol-generating substrate and having a resistance to draw (RTD) of less than about 50 millimetres H2O.

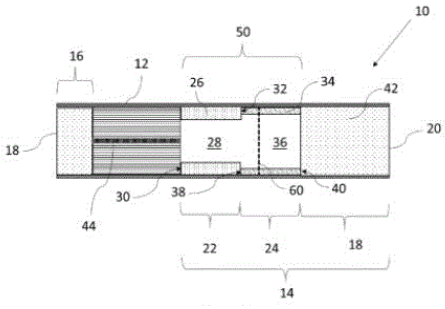


21: 2022/10621. 22: 2022/09/26. 43: 2023/11/20
51: A24B; A24D; A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: LESUFFLEUR, Céline, GUYARD, Aurélien, JARRIAULT, Marine
33: EP 31: 20160258.8 32: 2020-02-28

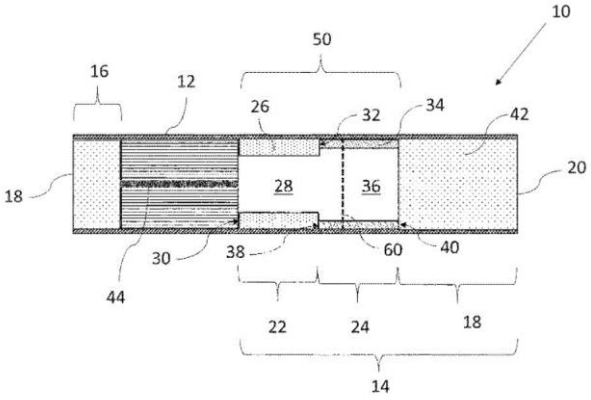
54: AEROSOL-GENERATING ARTICLE INCLUDING NOVEL SUBSTRATE AND UPSTREAM ELEMENT

00: -

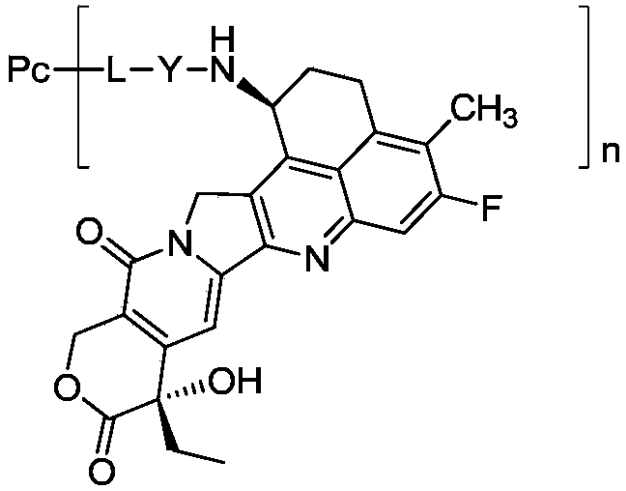
There is provided an aerosol-generating article (10) for producing an inhalable aerosol upon heating, the aerosol-generating article (10) comprising: a rod (12) of aerosol-generating substrate, the aerosol-generating substrate (12) comprising homogenised plant material comprising tobacco particles and at least 2.5 percent by weight of non-tobacco plant flavour particles, on a dry weight basis, wherein the non-tobacco plant flavour particles comprise particles of eucalyptus, star anise, clove, ginger, rosemary or combinations thereof; an upstream element (46) upstream of the rod (12) of aerosol-generating substrate and abutting the upstream end of the rod (12) of aerosol-generating substrate; and a downstream section (14) arranged downstream of the rod (12) of aerosol-generating substrate and in axial alignment with the rod (12) of aerosol-generating substrate, the downstream section (14) comprising one or more downstream elements.



21: 2022/10622. 22: 2022/09/26. 43: 2023/11/20
51: A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: SCHMIDT, Johann, Friedrich, STURA, Enrico, BERTOLDO, Massimiliano, NESOVIC, Milica, PRESTIA, Ivan, ROSSOLL, Andreas, Michael
33: EP 31: 20160236.4 32: 2020-02-28
54: AEROSOL-GENERATING ARTICLE WITH ELONGATE SUSCEPTOR
00: -
There is provided an aerosol-generating article (10) comprising: a rod (12) of aerosol-generating substrate; and an elongate susceptor (44) arranged longitudinally within the aerosol-generating substrate. The susceptor (44) has a thickness from about 55 micrometres to about 65 micrometres.



21: 2022/10724. 22: 2022/09/28. 43: 2023/11/14
51: A61K; C07D; A61P
71: SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.
72: YING, Hua, ZHANG, Xiaomin, YANG, Xiaoying, TAO, Weikang
33: CN 31: 202010218297.4 32: 2020-03-25
54: ANTI-PSMA ANTIBODY-EXATECAN ANALOGUE CONJUGATE AND MEDICAL USE THEREOF
00: -
Provided are an anti-PSMA antibody-Exatecan analogue conjugate and medical use thereof. Specifically, provided is an anti-PSMA antibody-drug conjugate represented by general formula (Pc-L-Y-D), wherein Pc is an anti-PSMA antibody or an antigen-binding fragment thereof.



(Pc-L-Y-D)

21: 2022/10908. 22: 2022/10/04. 43: 2023/11/16
51: C01B; C01G; H01L
71: UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG
72: MOLOTO, Nosipho, MUBIAYI, Kalenga, NGUBENI, Grace
33: ZA 31: 2020/01521 32: 2020-03-11
54: ALKALI METAL QUATERNARY NANOMATERIALS
00: -
This disclosure relates to the manufacture an alkali metal quaternary crystalline nanomaterial. an alkali metal quaternary crystalline nanomaterial having general Formula A (I2-II-IV-VI4); and wherein I is sodium (Na) or lithium (Li), II and IV are Zn or Sn, and VI is a chalcogens selected from the group comprising: sulphur (S), selenium (Se) or tellurium (Te). The crystal phase of the alkali metal quaternary crystalline nanomaterial may be a primitive mixed Cu-Au like structure (PMCA) and may have a space group: P42m. The nanomaterials may be adapted to provide a solar cell. Methods of manufacture are also provided.

21: 2022/11060. 22: 2022/10/10. 43: 2023/10/12
51: A61K
71: GREGG, John, M.H.
72: GREGG, John, M.H.
33: US 31: 62/993,121 32: 2020-03-23
54: ANTI-VIRAL COMPOUNDS AND METHODS FOR ADMINISTRATION THEREOF
00: -
This invention relates to the use of anti-viral drugs with different mechanisms of action for the treating

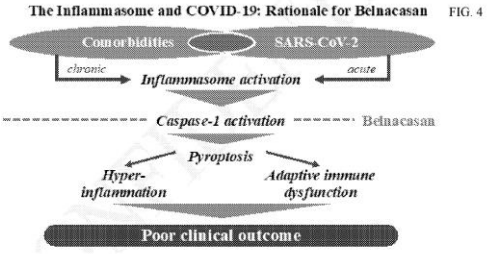
or preventing of viral infections such as COVID-19 (also known as SARS~CoV-2) and reducing medical complications related to COVID-19 viral disease. The present invention also relates to compositions and combinations of new antiviral drags formed from existing drugs with antiviral activity, and the administration of these compounds used in these various new combinations that are incorporated into pulmonary and oral delivery systems.

21: 2022/11247. 22: 2022/10/13. 43: 2023/10/19
51: C07D; A61K; A61P
71: PALOBIOFARMA, S.L.
72: PALOMINO LARIA, JULIO CASTRO, CAMACHO GÓMEZ, JUAN
33: EP 31: 20382194.7 32: 2020-03-16
54: COCRYSTALS OF (1R,3S)-3-(5-CYANO-4-PHENYL-1,3-THIAZOL-2-YLCARBAMOYL)CYCLOPENTANE CARBOXYLIC ACID
00: -
The present invention relates to the cocrystals of (1 R,3S)-3-(5-cyano-4-phenyl- 1,3-thiazol-2-ylcarbamoyl)cyclopentane carboxylic acid, a process for obtaining said cocrystals, combination products and pharmaceutical compositions comprising said cocrystals and their medical uses, in particular for the treatment or prevention of diseases known to ameliorate by A1 adenosine receptor antagonism.

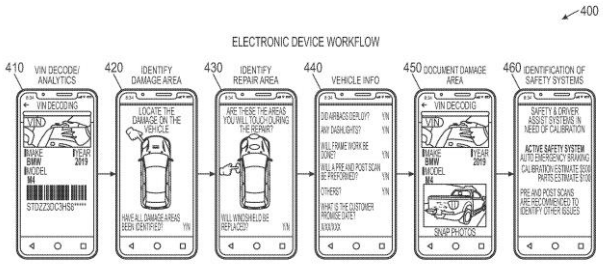
21: 2022/11256. 22: 2022/10/13. 43: 2023/10/12
51: B22D
71: XIXIA LONGCHENG METALLURGICAL MATERIALS CO., LTD.
72: DU, Zhenyu, LI, Xiaoyang, QU, Dangjun, XU, Jinyan, CHEN, Yongyan, WANG, Yan, MA, Xiaona, WANG, Xibin
33: CN 31: 202011486492.1 32: 2020-12-16
54: SPECIAL CONTINUOUS CASTING CRYSTALLIZER MOLD POWDER FOR SORBITE STAINLESS STEEL AND APPLICATION THEREOF
00: -
A special continuous casting crystallizer mold powder for sorbite stainless steel, comprising the following chemical components in percentage by mass: 23-30% of CaO, 27-34% of SiO 2, 6.5-9.0% of Al2O3, 0.5-2% of Fe2O3, 1-3% of MgO, 4.5-8.0% of Na2O, 4.0-6% of F-, 0.18-1.6% of Li2O, 0.48-2% of B2O3, 0.35-1.6% of BaO, 2.8-5.5% of MnO, and 3-6% of Ct, with the balance being unavoidable impurities. Also provided is an application of the mold powder in continuous casting of sorbite stainless steel. The mold powder is suitable for continuous casting of S600E sorbite stainless steel, is reasonable in raw material selection and performance index design, has good lubrication and heat transfer control effects, can ensure smooth operation of a continuous casting process of the sorbite stainless steel, thereby obtaining good casting blank quality.

21: 2022/11309. 22: 2022/10/14. 43: 2023/10/19
51: A61K; A61P
71: JINA PHARMACEUTICALS, INC.
72: AHMAD, ATEEQ, AHMAD, IMRAN, AHMAD, MOGHISUDDIN, ALI, SHOUKATH M, SHEIKH, SAIFUDDIN
33: US 31: 63/008,169 32: 2020-04-10
54: ENDOXIFEN FOR THE TREATMENT OF BIPOLAR I DISORDER
00: -
A method for managing or decreasing a risk of adverse effects in a patient undergoing treatment of bipolar I disorder is provided. The said method includes maintaining the therapeutically effective concentration of endoxifen by administrating a dose of 2 mg to 16 mg of endoxifen citrate in an enteric coated tablet once per day for at least 21 days. Further, adverse effects of alteration in thyroid functions, and thrombocytopenia can be avoided.

21: 2022/11526. 22: 2022/10/21. 43: 2023/11/30
51: C07D; C07K
71: MEDSTAR HEALTH, INC.
72: FISHBEIN, Thomas, M., KHAN, Khalid, M., KROEMER, Alexander, H.
33: US 31: 63/018,923 32: 2020-05-01
33: US 31: 63/156,479 32: 2021-03-04
33: US 31: 63/161,635 32: 2021-03-16
54: METHODS FOR TREATING COVID-19
00: -
The invention relates to methods for treating COVID-19 by targeting the inflammasome/caspase1/pyroptosi s axis as a key inflammatory pathway. In particular, the invention relates to treating a patient infected with SARS-CoV-2 with an effective amount of one or more compounds that directly or indirectly inhibit one or more pathways of the inflammasome/ caspasel/ pyroptosis axis.

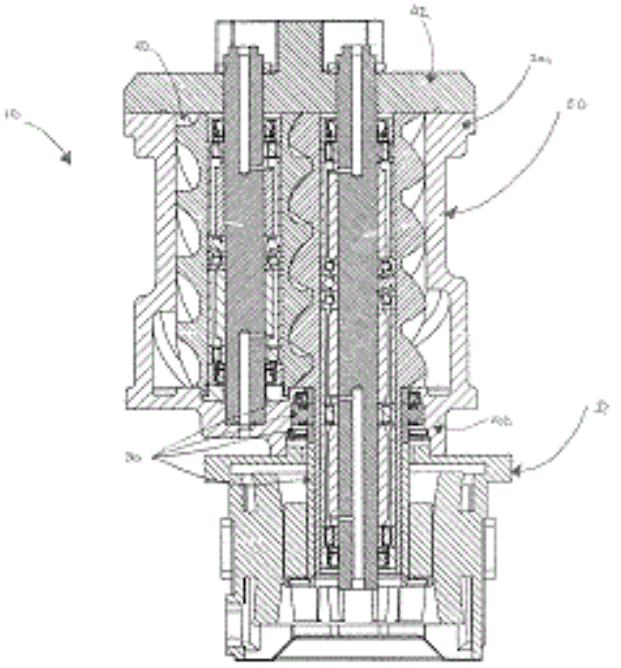


21: 2022/11790. 22: 2022/10/28. 43: 2023/10/24
51: G06Q; G07C
71: CalPro ADAS Solutions, LLC
72: BALAN, Todd-Michael
33: US 31: 63/002,889 32: 2020-03-31
54: VEHICLE SAFETY FEATURE IDENTIFICATION AND CALIBRATION
00: -
The present subject matter provides various technical solutions to technical problems facing sensor-based vehicle safety technology. To address problems facing identification of safety features (e.g., safety sensors) for a particular vehicle, a vehicle safety feature identification system may be used to identify a vehicle and the safety features that are installed on that vehicle. To address problems facing identification of which safety sensors require maintenance, a vehicle safety feature maintenance system may be used to identify vehicle safety sensors based on information received about one or more vehicle repairs, such as structural repairs following a vehicle collision. The vehicle safety feature maintenance system may use image data or other inputs to identify a vehicle repair area, identify other vehicle components that must be removed or adjusted to complete the vehicle repair, and identify all vehicle safety sensors and other safety features that will need to be repaired, replaced, or recalibrated.



21: 2022/12447. 22: 2022/11/15. 43: 2023/11/14
51: A23B; A23L
71: XEDA INTERNATIONAL
72: SARDO, Alberto
33: FR 31: 2005027 32: 2020-05-19
54: NEW PROCESS OF TREATMENT OF FRUIT AND VEGETABLES
00: -
The present invention relates to a treatment process for treating fruits and vegetables with one or more mono- and diglycerides of dietary fatty acids, that provides the means to obtain a homogeneous coating and thereby slow down the aging of the fruits and vegetables so treated.

21: 2022/13348. 22: 2022/12/09. 43: 2023/10/19
51: F04C F01C
71: KUZUCAN, Mehmet, Bora
72: KUZUCAN, Mehmet, Bora
54: COMPRESSOR
00: -
A compressor (10) which includes a male rotor assembly (12) including an elongate male helical-shaped rotor (14) having an axial cylindrical cavity (16) therethrough, a stationary shaft (18) axially aligned with the male rotor (14) and through the cavity (16), a housing (20) for housing the male rotor (14) and its associated stationary shaft (18) therein, wherein the shaft (18) is fixed within the housing (20), and bearing means (22) mounted within the cavity (16) of the male rotor (14) for bearing the friction between the rotor (14) and the shaft (18) as the male rotor (14) rotates about the stationary shaft (18).

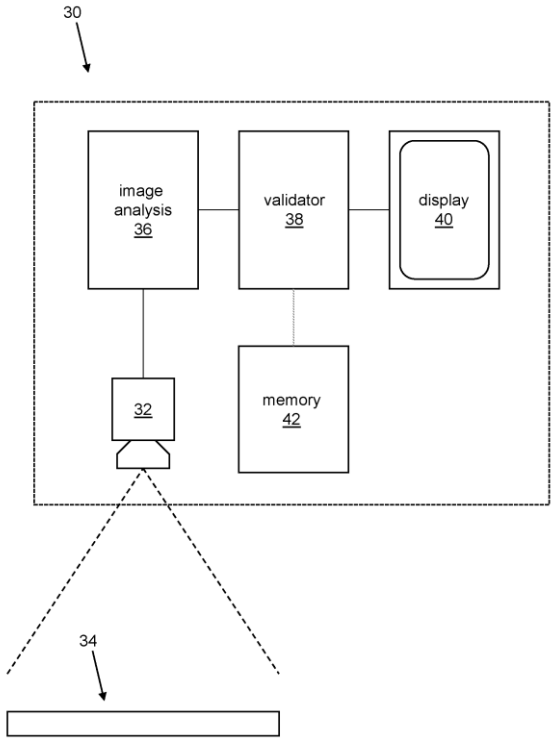


21: 2022/13952. 22: 2022/12/22. 43: 2023/11/07
51: A61B; A61L; G06K
71: TRISTEL PLC
72: BRAND, Thomas, JANSEN, Esther, SWINNEY, Paul
33: GB 31: 2011192.8 32: 2020-07-20

54: VALIDATION OF MIXING PROCEDURES IN A DECONTAMINATION PROCESS

00: -

Disclosed is a method for validating a mixing procedure in a process using a two- part disinfectant system. The disinfectant system comprises a first part comprising a first reagent in a carrier medium and a second part which is miscible with the first part and which comprises a second reagent in a carrier medium, and the first reagent and the second reagent will react when mixed to provide a disinfecting composition. The method comprises capturing a video stream of a work area in which the mixing procedure is carried out by a user, analysing the video stream to identify one or more mixing events in the video stream that correspond with the mixing procedure being correctly performed, determining, based on the or each identified mixing event, if the mixing procedure has been completed, and upon determining that the mixing procedure has been completed, causing a corresponding indication to be provided to the user. The method may include alerting the user to potential errors and/or logging data to provide an audit trail.



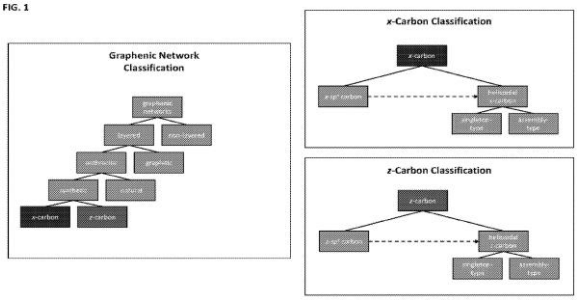
21: 2022/13955. 22: 2022/12/22. 43: 2023/10/05
51: C01B; C10L
71: Dickinson Corporation
72: BISHOP, Matthew, THOMAS, Abhay
33: US 31: 63/039,525 32: 2020-06-16

54: SYNTHESIS OF ANTHRACITIC NETWORKS AND AMBIENT SUPERCONDUCTORS

00: -

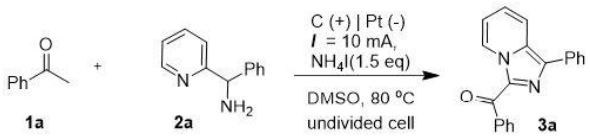
Several variations of synthetic carbon materials are disclosed. The materials can assume a variety of properties, including high electrical conductivity. The materials also can have favorable structural and mechanical properties. They can form gas impenetrable barriers, form insulating structures, and can have unique optical properties.

FIG. 1



21: 2023/00128. 22: 2023/01/03. 43: 2023/12/06
51: A61K
71: Vedicinals India Private Limited
72: SALUNKE, Prakash Pundlik, SALUNKE, Vaisahli Prakash, PATIL, Pravin Ekanath
33: IN 31: 202021022638 32: 2020-05-29
54: A COMPOSITION FOR MANAGEMENT OF COVID-19 AND ASSOCIATED DISORDERS
00: -
The present disclosure provides a composition that may find utility in management of COVID-19. The inventors of the present disclosure surprisingly observed that ingredients of the composition of the present disclosure exhibit functional synergy therebetween, wherein the composition prevents virus replication and/or Virus entry into human cells, either wholly or in part, while modulating immune response of the patient. Hence, the composition of the present disclosure holds potential for wide spread usage in management of COVID-19, either alone or in combination with other preventive or palliative/symptomatic or therapeutic strategies.

21: 2023/00658. 22: 2023/01/16. 43: 2023/11/27
51: C07D; C25B
71: Anhui Science and Technology University
72: 王强 WANG Qiang, 缪成贵 MIAO Chenggui, 姚侠 YAO Xia, 朱赟 ZHU Yun, 赵王燕 ZHAO Wangyan, 刘皖湘 LIU Wanxiang, 赵佩岚 ZHAO Peilan, 方鑫 FANG Xin, 戴刚强 DAI Gangqiang, 姚亦丹 YAO Yidan
33: CN 31: 202111519224.X 32: 2021-12-14
54: METHOD FOR ONE-STEP DIRECT PREPARATION OF 3-ACYL IMIDAZO[1,5-A]PYRIDINE THROUGH DOUBLE AMINATION OF [4+1] KETOMETHYL
00: -
The present disclosure provides a method for one-step direct preparation of a 3-acyl imidazo[1,5-a]pyridine through double amination of [4+1] ketomethyl, including the following steps: at a constant current of 10 mA to 25 mA, subjecting 1 equivalent of R1-ethyl ketone, 2 equivalents of pyridin-2-R2-carboxamide, and 1.5 equivalents of NH4I to electrolysis for 16 h to 20 h in a non-diaphragm undivided electrolytic cell to obtain the product. The present disclosure develops an efficient electrochemical synthesis method of a 3-acyl imidazo[1,5-a]pyridine, where the double amination of the inexpensive ketomethyl sp3 hydrocarbon avoids the conventional multistep reactions for synthesizing a 3-acyl imidazo[1,5-a]pyridine. Direct synthesis, inexpensive raw materials, simple metal-free system with no external electrolyte and oxidant, and scalability make the method a practical and green method for preparing 3-acyl imidazo[1,5-a]pyridine and large p-system



21: 2023/01035. 22: 2023/01/24. 43: 2023/10/25
51: A61K; A61P; C07K
71: Cellectis S.A.
72: CHOULIKA, André, POIROT, Laurent, ARANDA ORGILLES, Beatriz, DUCHATEAU, Philippe
33: DK 31: PA202070509 32: 2020-07-31
54: DUAL CAR-T CELLS
00: -
The present invention concerns new engineered immune cells expressing two CARs directed against two different targets, polynucleotides for preparing said immune cells, pharmaceutical compositions comprising said immune cells, and the use of said immune cells in the treatment of cancers.

21: 2023/01549. 22: 2023/02/07. 43: 2023/12/04
51: G01S; G16H
71: GEONAVO POSITIONING SYSTEMS, INC.
72: WILLIAMS, Malcolm, HARDIE, Stewart Ian, CURTICAPEAN, Ioan Romulus, HUDSON, Benjamin Griffen Ryan
33: US 31: 63/061,438 32: 2020-08-05
54: LOCALIZATION SYSTEM AND METHOD
00: -

A system comprises a plurality of first computing devices, wherein each first computing device is wearable by a user or is affixed to an asset within an environment and configured to generate and transmit a message; and a plurality of second computing devices installed within the environment, wherein a portion of the plurality of second computing devices are configured to detect at least one of the plurality of first computing devices, receive messages transmitted by a detected first computing device, and timestamp the messages before transmitting the messages to a computing server system. The computing server system is configured to determine at least a location of the detected first computing device based at least upon the messages received from the portion of the plurality of second computing devices.

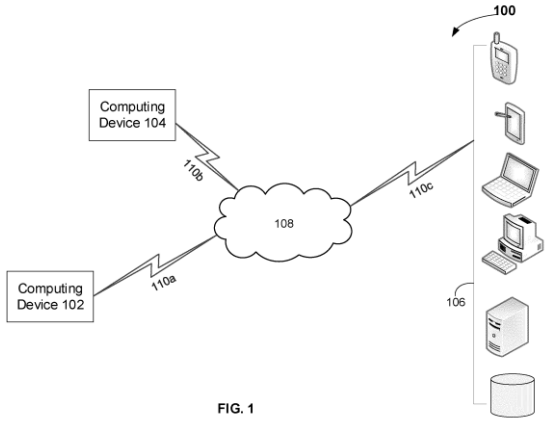
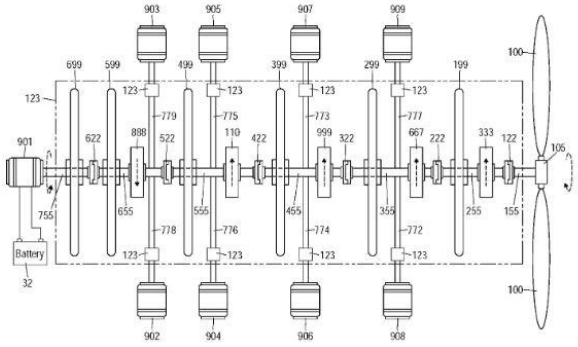


FIG. 1

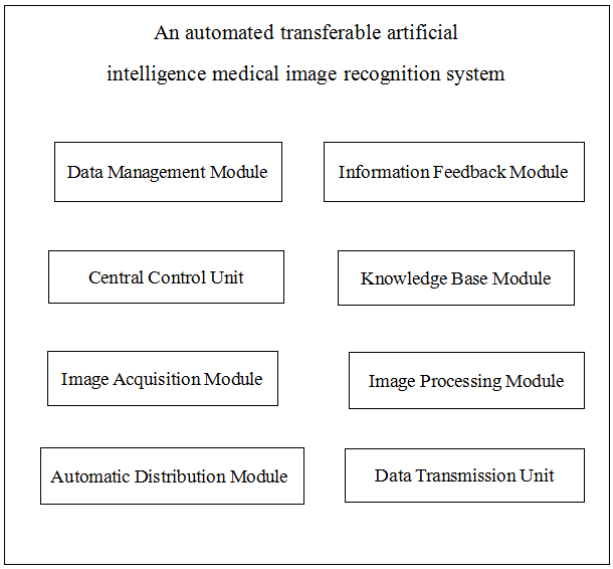
21: 2023/01584. 22: 2023/02/08. 43: 2023/08/24
51: B63H; F03D; F16C; F16H
71: WASHINGTON, Jerry Dewayne Jr.
72: WASHINGTON, Jerry Dewayne Jr.
33: CA 31: 3086465 32: 2020-07-09
54: WINDMILL ELECTRICAL POWER SYSTEM AND TORQUE ENHANCED TRANSMISSION
00: -
The present specification relates to power generation systems that generate, transmit, store, convert, transform, combine many forms of energy using a Torque Enhanced Transmission. The mechanism named Torque enhanced Transmission has multiple speed stages each having layshafts for connecting an auxiliary torque enhanced electrical machine to store energy. The power bus allows multiple combinations of input output power devices. The windmill electrical system combines AC and DC generators together in one system that can generate or operate as a motor to drive the system and a marine vessel. A motorized vehicle or marine vessel can use the system as a large electric motor generator or use the components independently. The present invention relates generally to systems and methods for generating power using a renewable energy source or multi fuel source.



21: 2023/01927. 22: 2023/02/16. 43: 2023/11/15
51: A61K
71: Cipla Limited
72: ALAGARSWAMY, Alagumurugan, RAJYAGURU, Tushar, SONAWANE, Sameer, GHANWARY, Rajdeep
33: IN 31: 202021034467 32: 2020-08-11
54: PHYTONADIONE COMPOSITIONS
00: -
Long term storage stable injectable phytonadione containing liquid pharmaceutical formulations are disclosed. The compositions can include phytonadione or pharmaceutically acceptable salts thereof; an antioxidant; buffer, pH adjusting agent and a pharmaceutically acceptable fluid. The methods of preparing the formulation as well as methods of treatment of phytonadione deficiency diseases using the same are also disclosed.

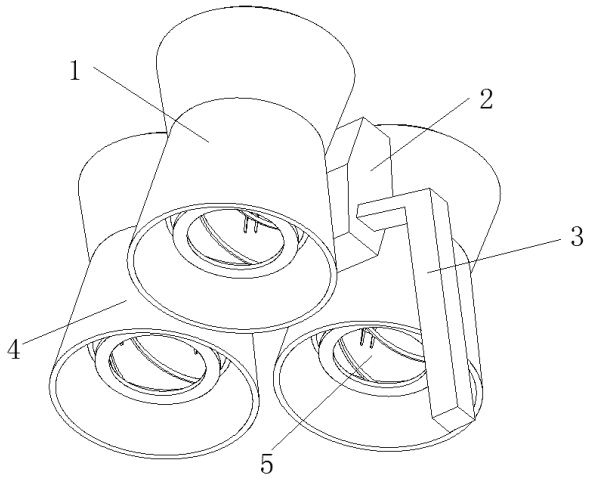
21: 2023/02568. 22: 2023/02/24. 43: 2023/12/11
51: G06T
71: Henan Medical College
72: Ge Huanhuan, Zhai Ji, Sun Zhiguo
54: AN AUTOMATED TRANSFERABLE ARTIFICIAL INTELLIGENCE MEDICAL IMAGE RECOGNITION SYSTEM
00: -
The present invention provides an automated transferable artificial intelligence medical image

recognition system, which relates to the field of medical imaging technology. Based on an automated transferable artificial intelligence medical image recognition system, including a data management module, an information feedback module, a central control unit, a knowledge base module, an image acquisition module, an image processing module, an automatic distribution module and a data transmission unit, the data management module includes a data storage unit, a permission management unit, an access logging unit, a data classification unit and a safety monitoring unit. The image of the patient's lesion is used to collect through the multi-background acquisition unit, and then the image is scanned and compared with the image of the case database through the appearance processing module, so as to search for the case with the highest matching degree and describes and labels the case according to the historical case description, so as to facilitate the observation of subsequent doctors, and reduces the legacy rate, and improves the accuracy rate.



21: 2023/02887. 22: 2023/02/27. 43: 2023/12/11
51: A01D
71: WEST ANHUI UNIVERSITY
72: HUANG, Xiaojiao, JI, Tiantian, ZHAO, Jiangdong, HUANG, Ji, WANG, Wenming
33: CN 31: 202210399550.X 32: 2022-04-15
54: A TEA LEAF PICKING ROBOT CAPABLE OF PICKING SELECTIVELY
00: -

The invention discloses a tea picking robot capable of picking selectively , which comprises an outer sleeve barrel wall, wherein an operation block is connected fixedly between the opposite surfaces of the outer sleeve barrel wall, an operation handle is connected fixedly to the side of the operation block, an inner picking device is connected fixedly to the bottom of the inner surface of the outer sleeve bucket wall and comprises an outer sleeve ring plate, which comprises an outer sleeve annular plate, wherein the inner surface of the outer sleeve annular plate is connected fixedly with a transmission connecting rod; The bottom of the transmission connecting rod is connected fixedly with an inner sleeve barrel wall; A guide device is connected fixedly to a concave hole on the surface of the inner sleeve barrel wall. According to the tea leaf picking robot capable of picking selectively, the operating handle is operated by a worker, so that the branches of the tea tree are placed into the inner picking device to pick tea leaves, and it is convenient for the workers to use.



21: 2023/03158. 22: 2023/02/28. 43: 2023/09/04
51: F41A
71: HOWARD, Trevor David
72: JANSE VAN RENSBURG, Nicolaas Johannes
33: ZA 31: 2020/05368 32: 2020-08-28
54: A FIREARM SUPPRESSOR
00: -

A firearm suppressor including a body, the body defining a housing and a core, the core including a baffle system; the housing, core and baffle system monolithic in configuration.

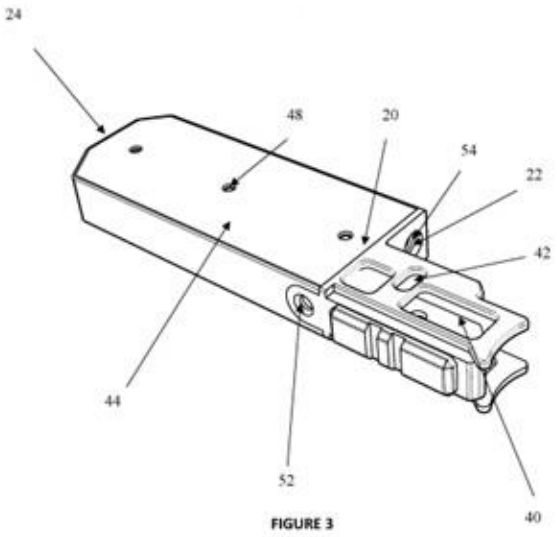
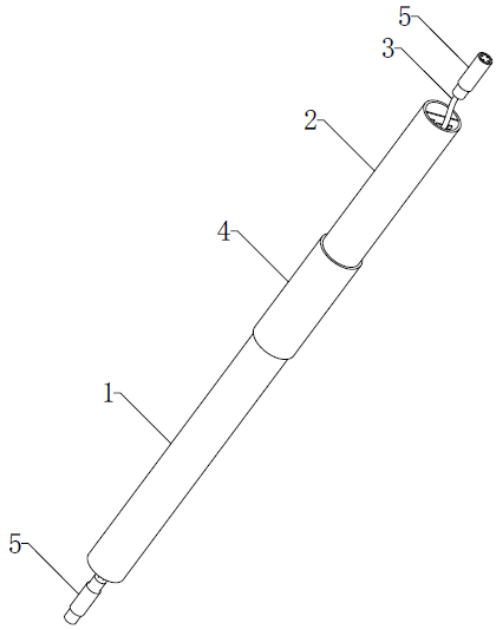
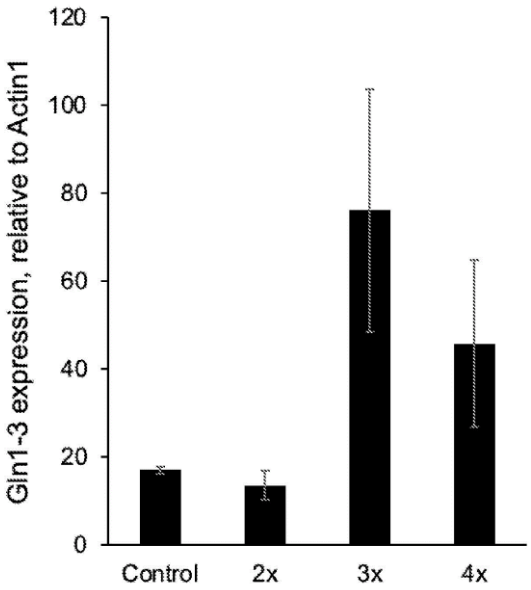


FIGURE 3

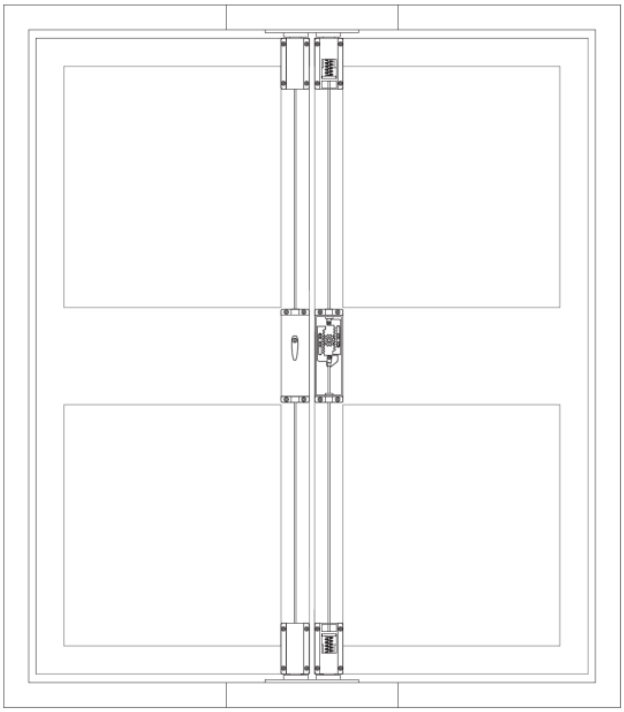
21: 2023/03259. 22: 2023/03/02. 43: 2023/09/20
51: E21F; G01L
71: HENAN XUCHANG XINLONG MINING CO., LTD, CHINA UNIVERSITY OF MINING AND TECHNOLOGY
72: WANG, Feng, ZHANG, Kai, WEI, Mintao, CAO, Feng, WANG, Gaoshang, HOU, Baoqing
54: DISTRIBUTED MONITORING APPARATUS AND METHOD FOR THREE-DIMENSIONAL MINING-INDUCED STRESS VARIATION
00: -
A distributed monitoring apparatus and method for a three-dimensional mining-induced stress variation are disclosed. The apparatus includes: a strain measurement module including a first elastic circular tube, and an inner wall of the first elastic circular tube being detachably connected with at least three sets of strain rosettes; a data collection module including a second elastic circular tube, a data collection circuit board being arranged in the second elastic circular tube, the second elastic circular tube being connected with the first elastic circular tube through a connecting sleeve, and the data collection circuit board being connected with each strain rosette; and a measurement bus arranged inside the first elastic circular tube and the second elastic circular tube, and connected with the data collection circuit board.



21: 2023/03395. 22: 2023/03/07. 43: 2023/09/20
51: C12N
71: Inari Agriculture Technology, Inc.
72: CLAEYS, Hannes Bart
33: US 31: 63/084,150 32: 2020-09-28
54: GENETIC REGULATORY ELEMENT
00: -
An expression increasing element comprising a 36 nucleotide DNA sequence that can be used to increase the expression of genes, and in particular to increase the expression of endogenous plant genes, in plants is disclosed. Also disclosed are plants, plant parts, and commodity plant products comprising the expression increasing element along with related methods of using the expression increasing element and plants comprising the expression increasing element.

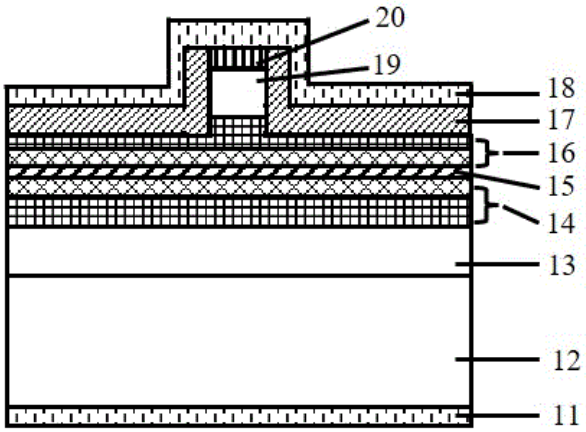


21: 2023/03432. 22: 2023/03/08. 43: 2023/09/19
51: E05B
71: MAC DONALD, David Johannes
72: MAC DONALD, David Johannes
33: ZA 31: 2020/05063 32: 2020-08-17
54: INTERMODAL CONTAINER DOOR LOCK
00: -
The invention provides a heavy-duty door lock adapted for locking a door of an intermodal container comprising an internal lock member arranged within the container so as to lock a door from with inside the container, the internal lock member being displaceable between a locked and unlocked position; actuating means arranged within the container for displacing the internal lock member between the locked and unlocked positions; and a locking mechanism including an internal lock which is located within the container and which in a locked position prevents the actuating means from displacing the internal lock member, and in an unlocked position allows the actuating means to displace the internal lock member; and an external lock which is located on the outside of a door of the container and which operatively displaces the internal lock between the locked and unlocked positions.



21: 2023/03473. 22: 2023/03/10. 43: 2023/11/22
51: H01S
71: Zhengzhou University of Aeronautics
72: MA, Xiaolong, DUAN, Xiangyang, YANG, Peng, TIAN, Ximin, WANG, Haili
54: SINGLE-LONGITUDINAL-MODE HIGH-BRIGHTNESS SEMICONDUCTOR LASER DEVICE BASED ON STEPPED WAVEGUIDE
00: -
The present invention discloses a single-longitudinal-mode high-brightness semiconductor laser device based on a stepped waveguide, which includes an N-type electrode, an epitaxial structure, a ridge waveguide, a tapered gain region, a surface high-order grating, an insulating layer, and a P-type electrode. The epitaxial structure includes an N-type substrate, an N-type cladding layer, an N-type stepped waveguide region, an active region, a P-type stepped waveguide region, a P-type cladding layer, and a P-type contact layer. The stepped waveguide region includes a plurality of epitaxial layers with different refractive indices, and the refractive index of each epitaxial layer increases stepwise when approaching the active region, forming a stepped waveguide. Improved gooder lateral mode selection with the ridge waveguide. The tapered gain region realizes optical power amplification. The longitudinal mode is regulated by high-order grating on the surface, which is

distributed on The surface of the ridge waveguide and The tapered gain region. The laser has the advantages that the vertical mode field can be adjusted and controlled more easily, and improve the beam quality and voltage characteristics of semiconductor laser devices, increase the brightness of the devices, reduce the divergence angle in the vertical direction, and realize the single-longitudinal-mode output. When the laser is used as pump source, it is beneficial to improve the second harmonic output efficiency.



21: 2023/03494. 22: 2023/03/10. 43: 2023/09/21
51: A23L
71: Cargill, Incorporated
72: OZALP, Baris, SARACLAR, Yaman Can, TAŞKIN, Burçak
33: EP(TR) 31: 20196363.4 32: 2020-09-16
54: COMPOSITIONS COMPRISING INSOLUBLE CORN FIBER
00: -
The present invention relates to a food-grade composition rich in insoluble corn fiber and having a good water absorption capacity, which can be used in processed meats, plant-based meat alternative products and in hybrid restructured meat products. The present invention also relates to a process for preparing a food-grade composition rich in insoluble corn fiber and having a good water absorption capacity, which can be used in processed meats, plant-based meat alternative products and in hybrid restructured meat products.

21: 2023/03495. 22: 2023/03/10. 43: 2023/09/21
51: B61K; B61L; G01N
71: Commissariat a l'Energie Atomique et aux Energies Alternatives
72: CHAPUIS, Bastien, ALBERTINI, Julien
33: FR 31: 2009236 32: 2020-09-11
54: DEVICE AND METHOD FOR MANAGING RESOURCES FOR MONITORING ELONGATE STRUCTURES
00: -
The invention relates to a method and a device for managing resources for monitoring elongate structures that can act as elastic wave guides. The structure is equipped with a plurality of transducers that are able to acquire signals measuring characteristic quantities of elastic waves propagating through the structure, each transducer being coupled to an electronic device installed along the structure. An electronic device comprises at least means for processing the measurement signals received from at least one transducer and a processor that has code instructions for implementing steps of the resource management method consisting in: - initializing an electronic device in nominal mode, said nominal mode making it possible to initiate an inspection of the elongate structure via a local analysis of elastic waves generated as a mobile device passes close by a transducer or initializing the device in detection mode, said detection mode making it possible for a transducer to initiate a transmission of elastic waves through the elongate structure and to carry out an inspection of the elongate structure via a local analysis of signals arising from the transmitted elastic waves; - keeping the electronic device in nominal mode or switching the electronic device to detection mode when an anomaly is detected during an inspection in nominal mode; - keeping the electronic device in detection mode or switching the electronic device to expertise mode when a defect is detected during an inspection in detection mode, said expertise mode making it possible to transmit data from signals arising from elastic waves transmitted through said structure to a remote server in order to generate a deeper analysis.

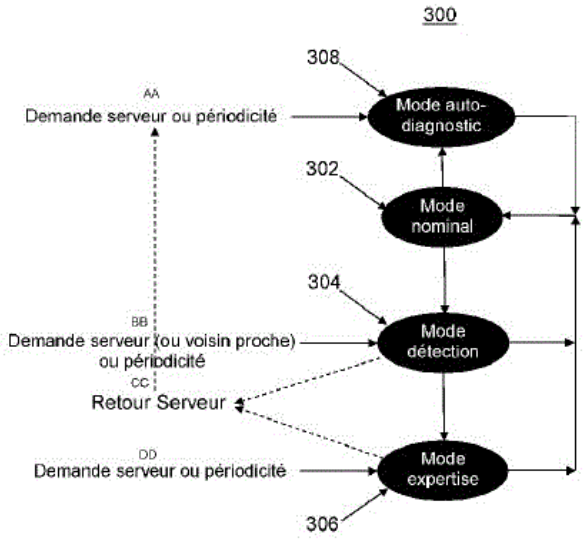


FIG.3

AA Request to server or periodicity
BB Request to server (or near neighbor) or periodicity
CC Server Return
DD Request to server or periodicity
308 Self-diagnostic mode
302 Nominal mode
304 Detection mode
306 Expertise mode

21: 2023/03496. 22: 2023/03/10. 43: 2023/10/12
51: B61L; G06F; H04W
71: Commissariat a l'Energie Atomique et aux Energies Alternatives
72: CHAPUIS, Bastien, ALBERTINI, Julien, TRESARRIEU, Alban
33: FR 31: 2009237 32: 2020-09-11
54: METHOD FOR UPDATING EMBEDDED SOFTWARE
00: -
The invention relates to a software update method for updating software embedded in an electronic device having a nominal operating mode allowing messages to be exchanged with a remote server using a low-speed long-range communication protocol, in which the messages contain information generated by the embedded software. The method is implemented by computer and comprises at least steps consisting in: • - receiving, via the low-speed long-range communication protocol, a message for the activation of a high-speed short-range communication protocol; • - activating the high-speed short-range communication protocol; • - ending the nominal operating mode; and • - updating the embedded software with a software update received via the high-speed short-range communication protocol.

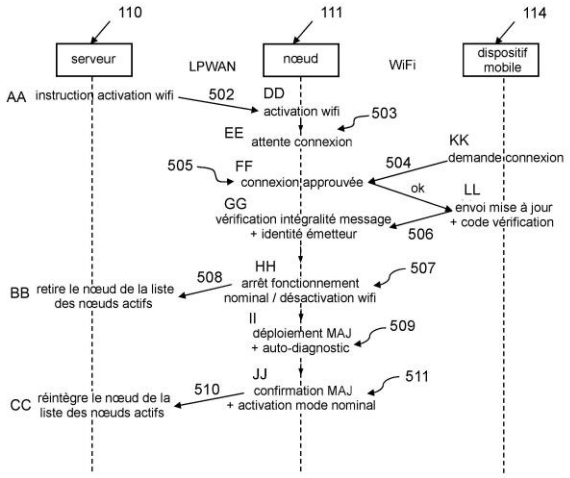


FIG.5

110 server
AA Wi-Fi activation instruction
BB remove the node from the list of active nodes
CC reintegrate the node into the list of active nodes
111 node
DD Wi-Fi activation
EE await connection
FF connection approved
GG verify message integrity + sender identity
HH end nominal operation / deactivate Wi-Fi
II deploy update + self-diagnosis
JJ confirm update + activate nominal mode
114 mobile device
KK request connection
LL send update + verification code

21: 2023/03497. 22: 2023/03/10. 43: 2023/09/21
51: B61K; B61L; G01M
71: Commissariat a l'Energie Atomique et aux Energies Alternatives
72: CHAPUIS, Bastien, ALBERTINI, Julien, FISHER, Clément
33: FR 31: 2009239 32: 2020-09-11
54: SYSTEM AND METHOD FOR DETECTING FAULTS IN EXTENDED WAVEGUIDES
00: -
The invention relates to a method and a device for detecting faults in an extended structure that can act as an elastic waveguide, the extended structure being equipped with a plurality of transducers capable of acquiring measurement signals of quantities characteristic of elastic waves propagating in the extended structure, each transducer being coupled to an electronic device, the assembly of electronic devices constituting a network of nodes configured to process measurement signals received from at least one transducer. The method is

implemented by computer and comprises steps consisting of: - performing a plurality of local fault diagnoses from measurement signals received by a plurality of electronic devices, the measurement signals being acquired for several elastic wave transmission phases; - transmitting to a remote server, according to a low energy consumption communication protocol, messages containing information relating to each local diagnosis, the messages being formatted according to the low energy consumption communication protocol; - aggregating the information contained in the messages received; and - performing a comprehensive fault diagnosis to determine the presence or absence of a fault in the extended structure.

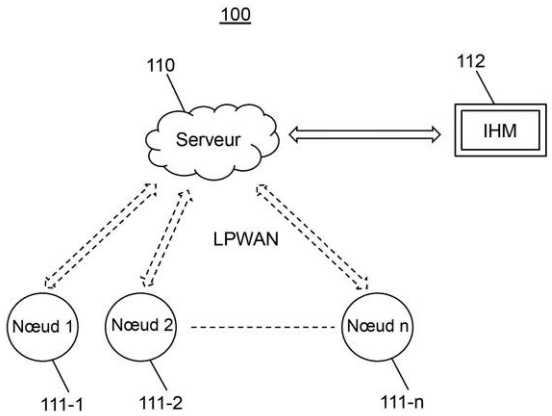
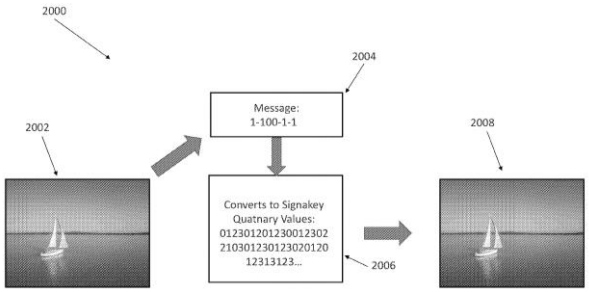


FIG.1

110 Server
112 HMI
111-1 Node 1
111-2 Node 2
111-n Node n

21: 2023/03508. 22: 2023/03/13. 43: 2023/09/21
51: C07C
71: EVONIK OXENO GMBH & CO. KG
72: ZHANG, Baoxin, BÖRNER, Armin, FRANKE, Robert
33: EP 31: 22163016.3 32: 2022-03-18
54: PROCESS FOR THE HYDROFORMYLATION OF OLEFINS USING A COBALT PRECATALYST AND A DIPHOSPHINE LIGAND
00: -
Process for the hydroformylation of olefins using a cobalt precatalyst and a diphosphine ligand.

21: 2023/03526. 22: 2023/03/13. 43: 2023/11/27
51: H04N
71: SIGNAKEY LLC
72: MAYBAUM, William, H
33: US 31: 63/085,196 32: 2020-09-30
54: ENCODING AND DECODING DATA, INCLUDING WITHIN IMAGE DATA
00: -
A method of decoding data within an image including extracting from pixel data of the image an encrypted code including multiple values; using an encryption key to decrypt the encrypted code to provide an unencrypted code including at least one identifier.



21: 2023/03552. 22: 2023/03/14. 43: 2023/09/21
51: A01P
71: DESERT LOCUST CONTROL ORGANIZATION FOR EASTERN AFRICA (DLCO-EA)
72: MEGENASA, Tessema, ABDALLA ELFAKI, Osman, Mohammed
33: ZA 31: 2022/03048 32: 2022-03-15
54: METHOD TO PRODUCE A BIOLOGICAL CONTROL PRODUCT AND PRODUCT FOR THE CONTROL OF LOCUSTS AND A METHOD FOR THE CONTROL OF LOCUSTS
00: -
The invention provides a method for the preparation of an entomopathogenic product for the control of Schistocerca gregaria, which method includes the steps of spreading watery suspension having a concentration of between 2x1010 - 13 conidia/ml of a selected strain of Metarhizium conidia on an agar substrate and incubating at 250C ± 10C for 7 to 12 days to germinate and grow conidia, followed by harvesting the resulting conidia.

21: 2023/03585. 22: 2023/03/14. 43: 2023/09/21
51: C21B
71: Midrex Technologies, Inc.
72: MICHISHITA, Haruyasu
33: US 31: 17/063,986 32: 2020-10-06

54: OXYGEN INJECTION FOR REFORMER FEED GAS FOR DIRECT REDUCTION PROCESS

00: -

A direct reduction plant is disclosed. The direct reduction plant includes an oxygen injection system, a reformer, and a shaft furnace. The oxygen injection system includes an oxygen injection reactor and a main oxygen burner. The oxygen injection reactor is adapted to receive a gas mixture. The main oxygen burner is adapted to increase a temperature of the gas mixture by burning a mixture of fuel and oxygen fed to the main oxygen burner. The reformer is adapted to reform the gas mixture with the increased temperature. The shaft furnace is adapted to reduce iron ore using the reformed gas mixture.

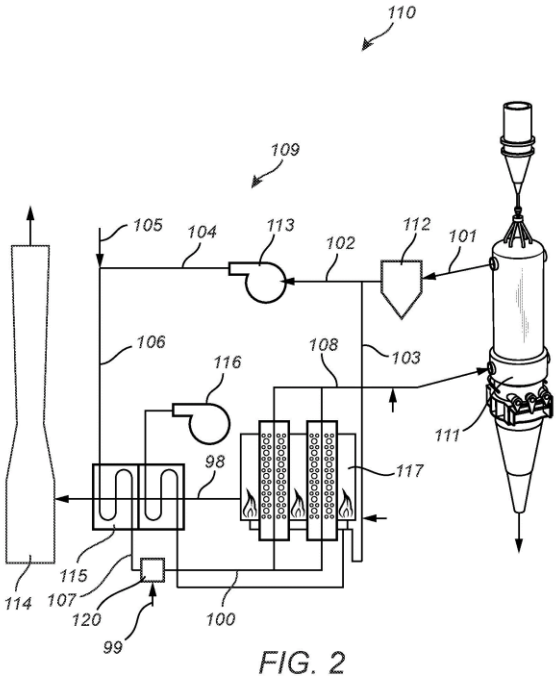


FIG. 2

21: 2023/03602. 22: 2023/03/15. 43: 2023/10/12
51: B07C
71: BOTSWANA INTERNATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: ZUNGERU, Adamu Murtala, MODISE, Ernest Gomolemo, CHUMA, Joseph Monamati

54: METHOD AND SYSTEM FOR SORTING OF DIAMONDS

00: -

A system (100) for sorting of diamonds is provided. The system (100) comprises a conveying system including a conveyor belt (108) to transport material sample (106a, 106b) including diamonds. Further, the system (100) comprises an x-ray source (122) configured to fire x-rays at the material sample (106a, 106b). Furthermore, the system (100) comprises an x-ray luminescence (XRL) detector (126) configured to measure radiated intensity of the x-rays from the material sample (106a, 106b). Additionally, the system (100) comprises an x-ray transmission (XRT) detector (124) configured to measure transmitted intensity of the x-rays through the material sample (106a, 106b). Also, the system (100) comprises a processor (118) that is configured to: receive the radiated intensity and the transmitted intensity from the XRL detector (126) and the XRT detector (124) respectively; process the radiated intensity and the transmitted intensity to determine an equivalent absorption coefficient; and identify the material sample (106a, 106b) as diamond based on a comparison of the equivalent absorption coefficient and a pre-stored model species absorption coefficient.

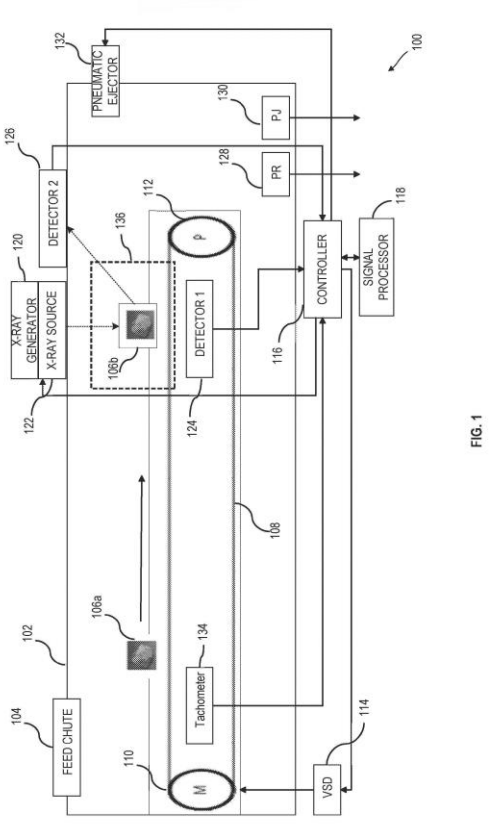


FIG. 1

21: 2023/03620. 22: 2023/03/15. 43: 2023/09/26

51: B65D
71: Ardagh Metal Packaging Europe GmbH
72: JÖBGES, Udo
33: DE 31: 10 2020 125 059.2 32: 2020-09-25
54: BEVERAGE CONTAINER
00: -
The invention relates to a beverage container (1), at least comprising a housing (2) having a base (3), a lid (4), a wall region (5) connecting the base (3) to the lid (4) and a first core bevel (7), which is peripheral in the circumferential direction (6), between the lid (4) and the wall region (5); wherein the beverage container (1) has a first volume (8) which can be filled at least in part by a liquid (9); wherein a closure (11) is arranged in the lid (4) and in a radial direction (10) within the first core bevel (7), via which closure the liquid (9) can be removed from the first volume (8), when in the opened state; wherein at least a part (12) of the opened closure (11) extends into the first volume (8); wherein a fluid container (13) is arranged within the first volume (8).

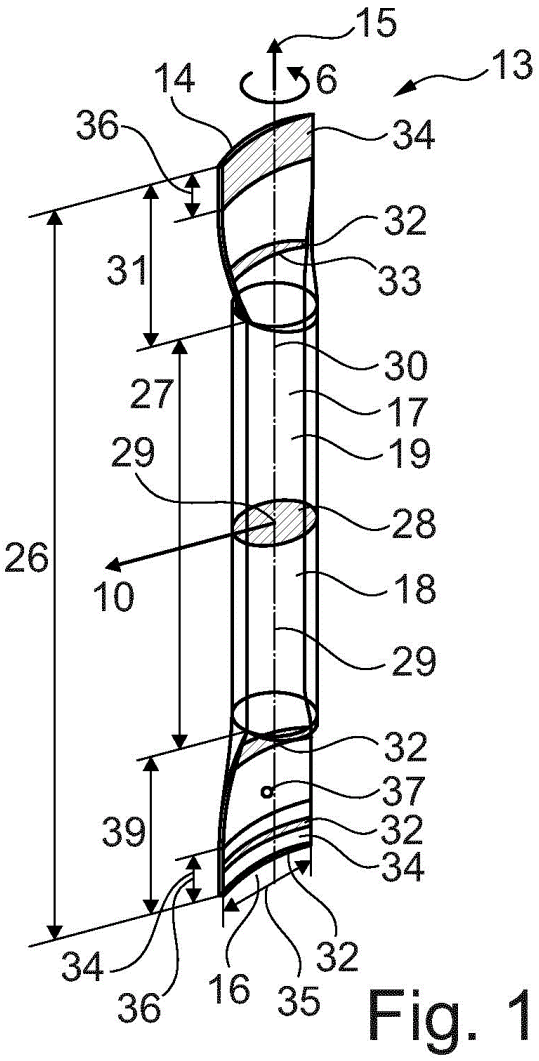
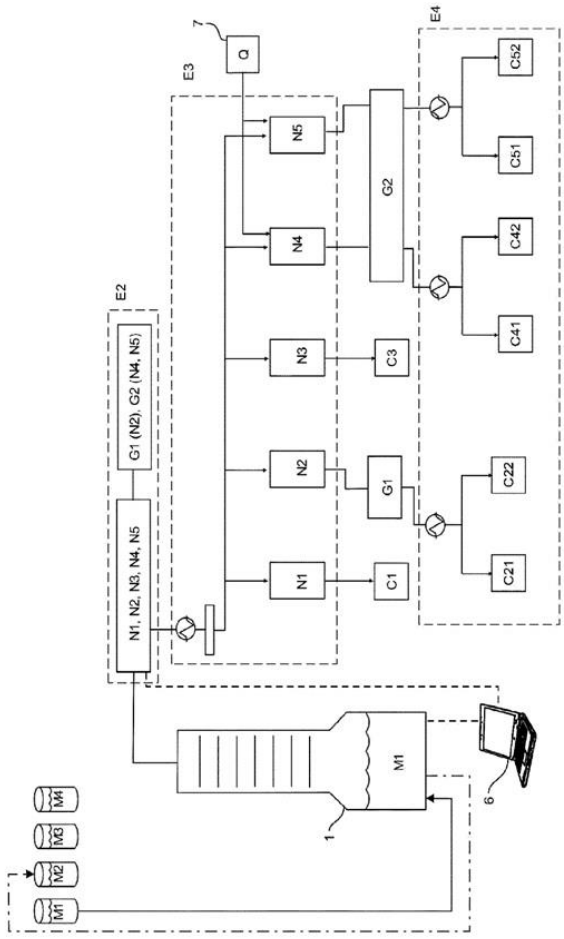


Fig. 1

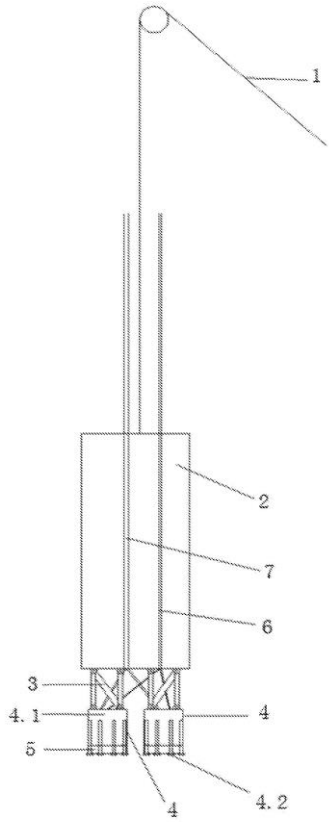
21: 2023/03649. 22: 2023/03/16. 43: 2023/11/27
51: B01D
71: DEHON SAS
72: VAN DER KELEN, Patrick, DEHON, Christophe, BIN SOO, Chien
33: FR 31: 2010422 32: 2020-12-10
54: METHOD FOR SEPARATING MOLECULES FROM A FLUID MIXTURE COMPRISING AT LEAST ONE FLUORINATED COMPONENT
00: -
Disclosed is a method for separating a plurality of chemical components (Cx) from a chemical mixture (M1-M4) comprising a plurality of fluorinated fluids, the method comprising: • a step of identifying (E2), in the chemical mixture (M1-M4), at least two sub-mixtures (N1-N5), each complex sub-mixture (N1-N5) being associated either with a first group (G1)

for secondary pressure swing distillation or with a second group (G2) for secondary extractive distillation, • a step of primary distillation (E3), using a main column (1), so as to separate each identified sub-mixture (N1-N5), • a secondary distillation step (E4), using the same advanced unit of two auxiliary columns, for distilling each complex sub-mixture (N1-N5), the complex sub-mixtures (N1-N5) of the first group (G1) being separated by the pressure swing distillation method and the complex sub-mixtures (N1-N5) of the second group (G2) being separated by the extractive distillation method.

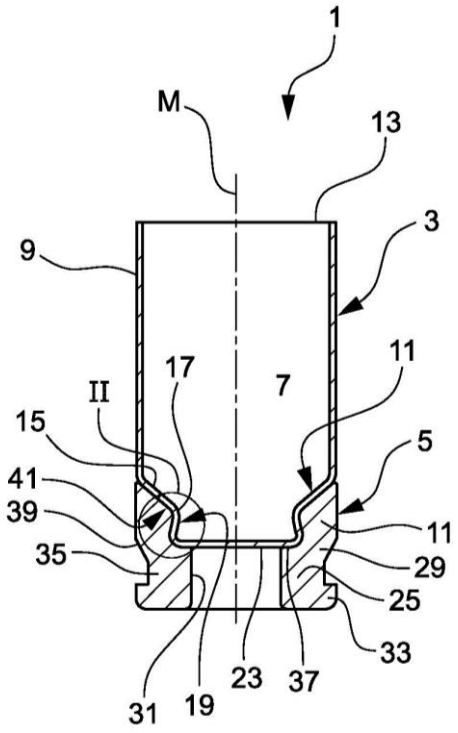


21: 2023/03651. 22: 2023/03/16. 43: 2023/09/26
51: E21B
71: LI, Xinxing
72: LI, Sheng, LI, Xinxing
33: CN 31: 202010934370.8 32: 2020-09-08
54: DIAPHRAGM WALL DOWN-THE-HOLE HAMMER TRENCHING MACHINE AND USE METHOD THEREOF
00: -

A diaphragm wall down-the-hole hammer trenching machine, comprising a crane (1), a guide frame (2), a push-pull device (3), a cluster down-the-hole hammer (4), a gas collecting hood (5), a high-pressure medium pipe or cable (6), and a slurry discharge pipe (7). The crane suspends the guide frame; the cluster down-the-hole hammer is connected to the bottom of the guide frame by means of the push-pull device; each cluster down-the-hole hammer comprises a primary hammer (4.1) and secondary hammers (4.2); the plurality of secondary hammers are provided on the primary hammer; the gas collecting hood is provided on the lower part of the primary hammer; the high-pressure medium pipe or cable passes through the guide frame, and the push-pull device enters a primary hammer distribution pipeline to drive the secondary hammers to perform percussive drilling; a mud channel (8) is provided in the primary hammer; the slurry discharge pipe passes through the guide frame and is communicated with the gas collecting hoods. Also disclosed is a use method of the diaphragm wall down-the-hole hammer trenching machine. The diaphragm wall down-the-hole hammer trenching machine is simple in equipment, and the matched crane and air compressor are both universal equipment, and thus, the manufacturing cost is much lower than that of a diaphragm wall trench milling machine. The hammer trenching machine has high hard rock construction efficiency, wear-resistant drilling tools, easy maintenance, low cost, easy construction, and larger trench width, thereby improving the safety of a diaphragm wall engineering structure, saving steel bar materials, and achieve a high equipment utilization rate.

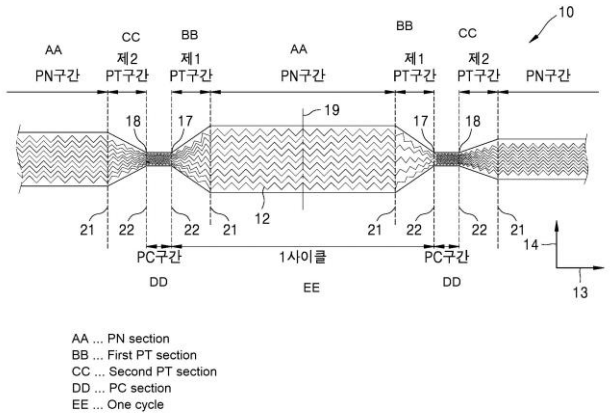


21: 2023/03679. 22: 2023/03/17. 43: 2023/09/26
51: F42B
71: RUAG Ammotec AG
72: BIEDERMANN, Peter, SPATZ, Peter
33: DE 31: 10 2020 124 559.9 32: 2020-09-21
54: CARTRIDGE CASE AND METHOD AND TOOL FOR JOINING THE BOTTOM PIECE AND THE CASE JACKET OF A MULTI-PART CARTRIDGE CASE
00: -
The present invention relates to a cartridge case for ammunition, comprising a rotationally shaped case jacket for receiving a projectile and an annular bottom piece for receiving a primer cap and the case jacket, wherein an annular wall of the bottom piece on the case-jacket side is at least partly conically formed with respect to the axis of rotation of said piece and a retaining portion of the case jacket on the bottom-piece side is made in a matching form, and so the retaining portion at least partly engages behind the annular wall to fasten the case jacket and the bottom piece to one another and the bottom piece and the case jacket are prevented from coming apart in the direction of the axis of rotation, wherein the conical annular wall and the retaining portion are formed by plastic deformation of the bottom piece.



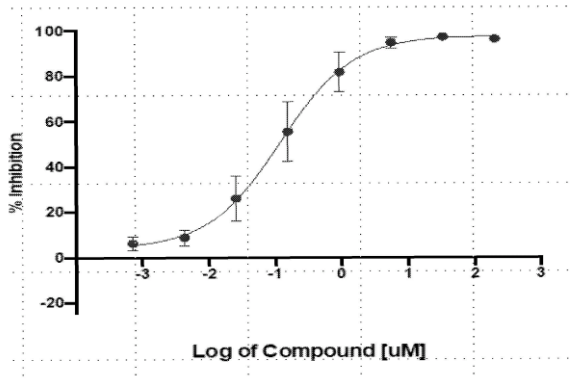
21: 2023/03686. 22: 2023/03/17. 43: 2023/10/12
51: A41G
71: LEE, Hae Ju
72: LEE, Hae Ju
33: KR 31: 10-2020-0104806 32: 2020-08-20
54: CONTINUOUS STRAND FOR WIG, WHICH INCLUDES MULTIPLE FILAMENTS AND IN WHICH INCLINED THICKNESS SECTION IS REPEATEDLY FORMED ALONG LENGTHWISE DIRECTION THEREOF, AND WIG MANUFACTURED USING SAME
00: -
Disclosed are: a continuous strand for a wig, which includes a pencil normal (PN) section extending along the lengthwise direction thereof and having a first sectional area of a predetermined size, two first pencil tapering (PT) sections which respectively extend from both ends at which the PN section ends, and taper in a shape in which the sectional areas thereof are decreased, two second PT sections which respectively extend from the ends having the decreased sectional areas of the two first PT sections, and taper in a shape in which the decreased sectional areas increase again, and two pencil connection sections (connection sections of a

PT-PN-PT repetition unit section), each of which connects the first PT section and the second PT section adjacent to each other and has a second sectional area of a predetermined size; and a wig using the continuous strand. The continuous strand can implement an MS-PT effect accounting for a large portion in a wig beauty characteristic even without manual work.



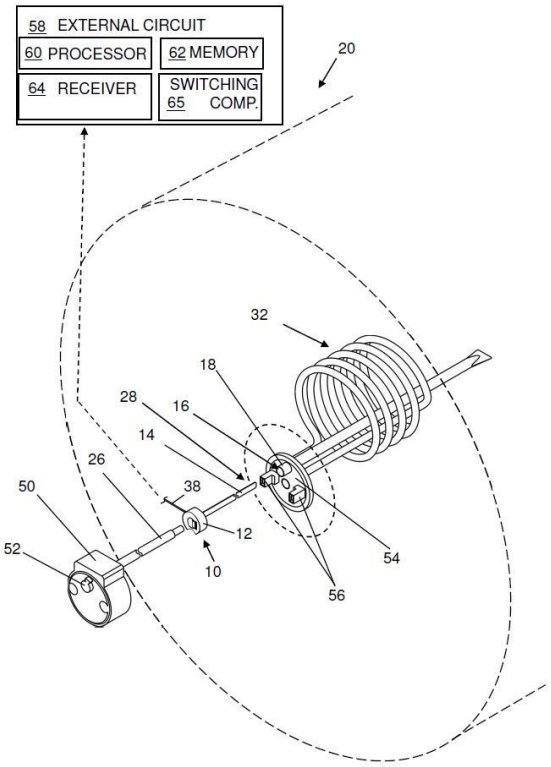
21: 2023/03694. 22: 2023/03/20. 43: 2023/11/22
51: A01G; C05G
71: Shandong Shouguang Vegetable Industry Group Co., Ltd., Weifang University of Science and Technology, Qingdao Green Silicon Valley Technology Co., Ltd.
72: LI, Yingjie, LIN, Guiyu, JIANG, Weijie, TIAN, Subo, ZHANG, Ronghuan, GUO, Yanchun, LIU, Wenlong, LI, Dong
33: CN 31: 202210276801.5 32: 2022-03-21
54: PREPARATION METHOD FOR SOILLESS CULTURE NUTRIENT SOLUTION OF TOMATOES
00: -
Provided is a preparation method for a soilless culture nutrient solution of tomatoes. The method includes: step 1, selecting seeds, wrapping the seeds in gauze, and then placing the seeds in a germination accelerating box for germination acceleration; step 2, preparing a seedling raising substrate, uniformly mixing the components, uniformly stirring the components in a stirring tank, adding agricultural rare earth, and laying the mixed seedling raising substrate on a cultivation bed; and step 3, when white buds are exposed to 2/3 of the seeds, sowing the seeds into a seedling raising tray filled with the seedling raising substrate for seedling raising, arranging a plurality of holes in the seedling raising tray, sowing 2-4 seeds in each hole, and keeping the substrate wet. According to the present invention, a survival rate of seedling raising is improved, seedling raising time is shortened, and a yield is improved.

21: 2023/03748. 22: 2023/03/22. 43: 2023/10/12
51: A61K; A61P; C07K
71: Artizan Biosciences, Inc.
72: HOEKSTRA, William, RYU, Hyunji, CHINTHA, Priyanka
33: US 31: 63/077,354 32: 2020-09-11
54: SMALL MOLECULE INHIBITORS OF BACTERIAL TOXINS
00: -
Described herein are compounds and compositions for use in treatment or prevention of an inflammatory bowel disease, gastrointestinal cancer, or a systemic bacterial infection in a subject in need thereof. The subject may be colonized by one or more pathogenic bacterial strains such as *B. fragilis*, *E. faecalis*, or *C. perfringens*. In certain aspects, the disclosure provides a method of diminishing the pathogenic effects of these bacterial strains by administering a compound that binds to and/or inhibits one or more toxins produced thereby.



21: 2023/03769. 22: 2023/03/23. 43: 2023/11/16
51: F24H; H03L
71: SYMION AUTOMATION AND ENERGY (PTY) LTD
72: ROCHE, Nicholas Lee, SOPER, Michael James
33: ZA 31: 2022/05553 32: 2022-05-20
54: THERMAL ADAPTER
00: -
There is disclosed a thermal adapter (10) comprising a base (12) and an elongate strip (14) of thermally conductive material extending from the base. The base is configured to be fitted at an opening (16) of a thermostat pocket (18) of a water heater (20) with the elongate strip extending into the thermostat

pocket. The base (12) provides an attachment point (22) for a thermal sensor (24) connected to the elongate strip. The elongate strip and the base are shaped to permit a thermostat rod (26) to fit into the thermostat pocket alongside the elongate strip. The present disclosure extends to a method (100) of manufacturing the thermal adapter, and a water heater (20) having the thermal adapter installed and connected to an external circuit (58).

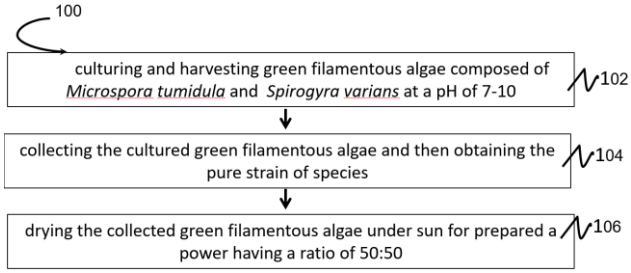


21: 2023/03808. 22: 2023/03/24. 43: 2023/12/11
51: A21D
71: Dr. Mautushi Das, Dr. Khikeya Semy
72: Dr. Mautushi Das, Dr. Khikeya Semy

54: A METHOD FOR PREPARING A DRY GREEN ALGAL POWDER COMPOSITION FOR ACCELERATING SUSTAINABLE ORGANIC AGRICULTURE

00: -

The present disclosure relates to a method for preparing a dry green algal powder composition for accelerating sustainable organic agriculture. In the present disclosure a dry algal powder composition is developed for enhancing plant growth that contains Microspora tumidula and Spirogyra varians, two macrogreen filamentous algae. Green macroalgae are grown at a pH range of 7 to 10 to produce the dry algal powder, which is then processed by drying the algae in the sun to create a 50:50 powder. When used on various vegetable crops, such as brinjal, chillies, tomatoes, potatoes, capsicum, beans, okra, radish, paddy, and Dahlia flowers, this powder has produced a faster and better yield than other organic fertilizers and inorganic fertilizers currently on the market. Organic agriculture can be hastened with the application of green algal fertilizer.

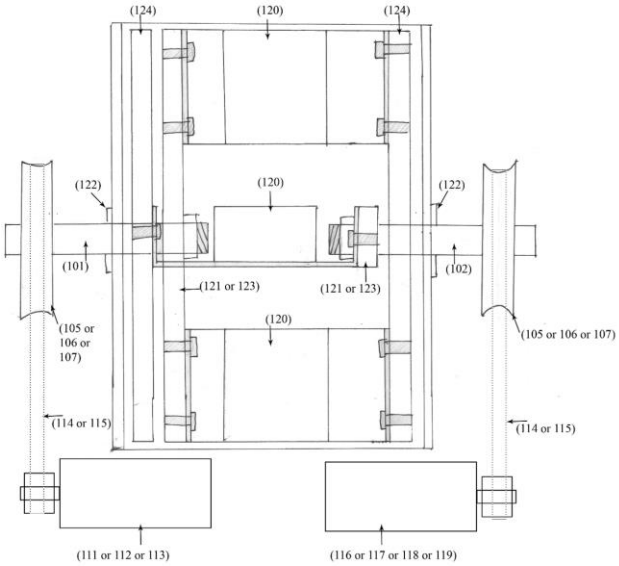


21: 2023/03861. 22: 2023/03/27. 43: 2023/12/11
51: F03G; H02K
71: DABHADKAR, Yogiraj Narayanrao
72: DABHADKAR, Yogiraj Narayanrao
33: IN 31: 202021036895 32: 2020-08-27

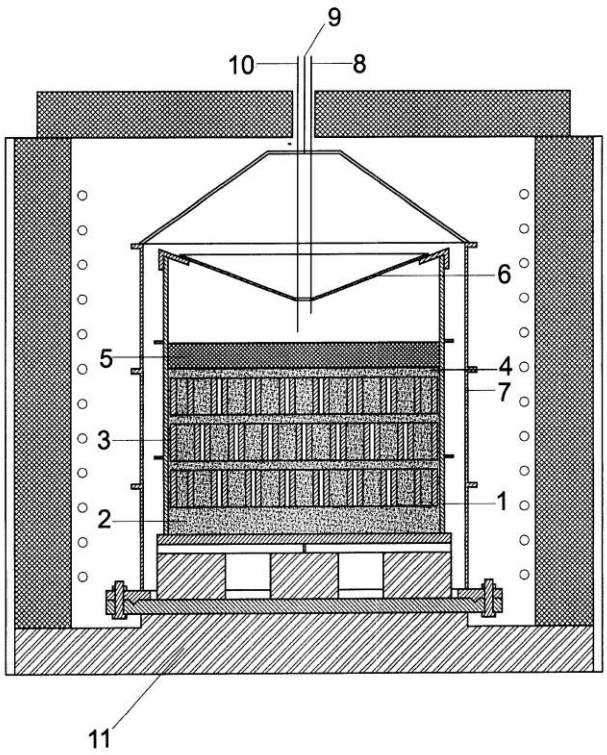
54: REPULSION BASED ROTATIONAL SYSTEM

00: -

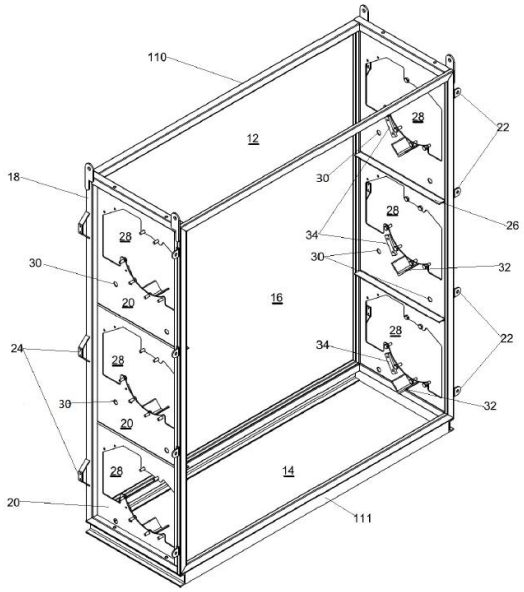
Repulsion Based Rotational System disclosed here in this embodiment relates to the field of electrical engineering. This Repulsion Based Rotational System device mainly works on principle of repulsive nature of magnets and electromagnetic field generated by electromagnetic coil. Here there are two Armatures or flywheels in this device positioning in single line or parallel to each other. Both the Armatures or flywheel are not connected with each other with any solid, liquid or gaseous matter. Each Armature or flywheel has, two or many magnets or electromagnetic coils at one end side. Another end side of Armature or flywheel shows presence of a gear or belt wheel or a chain sprocket. Both of their magnets or electromagnetic fields repel each other. Armature 1 or flywheel 1 helps in rotation of armature 2 or flywheel 2 by magnetic repulsion process. The electricity thus generated through can further be used for different commercial and domestic purposes.



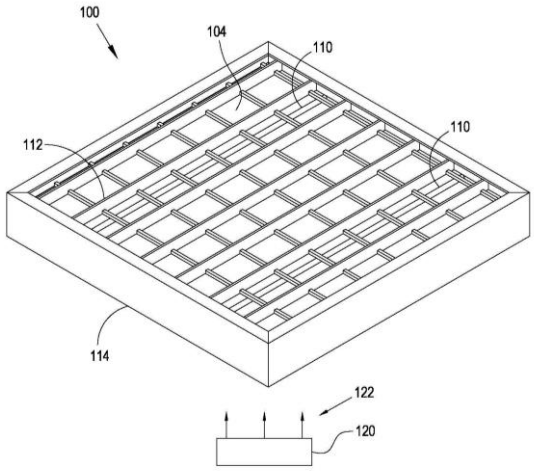
21: 2023/03911. 22: 2023/03/28. 43: 2023/10/03
51: B22F; C22B; C22C
71: Velta Holding US Inc, RD Titan Group, TOV
72: BRODSKYY, Andriy, TROSHCHYLO, Viktor, GONCHAR, Andrii, CHUKHMANOV, Oleksandr, ROMANOV, Roman
33: US 31: 17/005,986 32: 2020-08-28
54: METHOD FOR PRODUCING ALLOY POWDERS BASED ON TITANIUM METAL
00: -
The invention relates to powder metallurgy, in particular to a method for metallothermal reduction of feedstock elements made from feedstock being a solid solution of oxides of various elements in titanium oxide, using magnesium and/or calcium as reducing agents. Processes include hydrolysis of an aqueous solution of a titanium-containing salt to obtain primary particles of crystalline titanium oxide, calcination of a precipitate of titanium oxides/hydroxides, formation of feedstock elements from a milled powder of a solid solution of dopants in titanium oxide, reduction of feedstock elements in one step using calcium metal or reduction of feedstock elements in two steps, using magnesium metal or calcium metal in the first step, and calcium metal in the second step. The aim of the invention is to produce alloy powders of titanium metal with a particularly low oxygen content.



21: 2023/03933. 22: 2023/03/29. 43: 2023/09/27
51: B03C
71: ERTOCOM (PTY) LTD
72: O'BRIEN, Craig Anthony
33: ZA 31: 2022/04644 32: 2022-04-26
54: APPARATUS FOR THE ELECTRO-STATIC SEPARATION OF PARTICULATE MATERIALS
00: -
The invention provides an apparatus for the electrostatic separation of particulate material, the apparatus comprising a modular frame structure, configured to receive and support components of a High Tension Roll electrostatic separator apparatus, the components including but not limited to, at least one separation roll, and one or more separation chutes, the modular frame structure comprising at least one modular frame, each modular frame defining an open top, an open base, two open sides and two open ends. Two or more modular frames are releasably connectable to one another along adjacent aligned sides to provide connected banks of separation rolls.



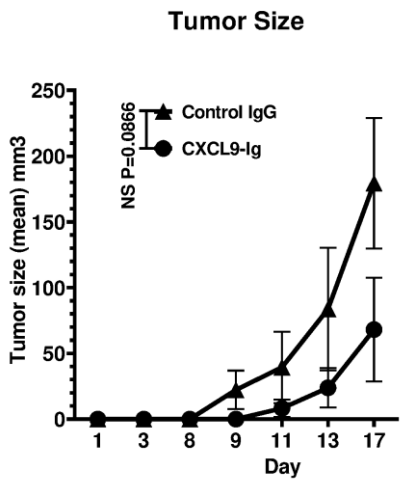
21: 2023/03971. 22: 2023/03/29. 43: 2023/09/27
51: B01D
71: Hibocare Technologies South Africa (Pty) Ltd.
72: SEEGERS, Graham Neville
54: A PANEL FOR AN AIR CIRCULATION SYSTEM
00: -
A panel (100) is for an air circulation system and includes a foam layer (102) comprising open pore foam, a support structure (112, 114) configured to support the foam layer (102), and a graphite coating (104) provided on at least one side of the foam layer (102). The panel (100) has an ionizer (120) provided adjacent the foam layer (102), the ionizer (120) configured to ionize particles (122) thereby to apply a static charge to the foam layer (102) or the graphite coating (104). The graphite coating (104) layer is configured, in use, to attract and trap contaminants from air.



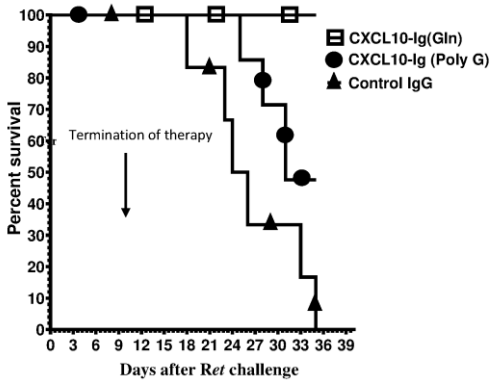
21: 2023/03990. 22: 2023/03/30. 43: 2023/10/16
51: C04B
71: CAS Sensor (Foshan) Technology CO. Ltd
72: ZHANG, Huimin, XIE, Juntao, CHANG, Aimin, PAN, Ye
33: CN 31: 202211688347.0 32: 2022-12-28
54: A PREPARATION METHOD OF NEGATIVE TEMPERATURE COEFFICIENT THERMOSENSITIVE CERAMICS BASED ON BARIUM STRONTIUM TITANATE SOLID SOLUTION SYSTEM
00: -
The present invention provides a preparation method of a negative temperature coefficient (NTC) thermosensitive ceramic based on a barium strontium titanate (BST) solid solution system, where bismuth oxide, zinc oxide, titanium oxide, barium carbonate, and strontium carbonate are used as raw materials, and the bismuth oxide, zinc oxide, titanium oxide, barium carbonate, and strontium carbonate are subjected to mixing and grinding, calcination, cold isostatic pressing, high-temperature sintering, and electrode coating by a traditional solid-phase method to prepare the NTC thermosensitive ceramic based on an xBiZn0.5Ti0.5O3-(1-x) Ba0.5Sr0.5TiO3 solid solution system. The present invention starts from the semiconductor characteristics of the thermosensitive material xBiZn0.5Ti0.5O3-(1-x)Ba0.5Sr0.5TiO3, accurately adjusts the electrical properties of the material by adjusting the molar ratio of the general chemical formula, and successfully synthesizes a novel thermosensitive material showing obvious NTC characteristics in the temperature region of 400-

1000°C. It can be used in the fields of temperature measurement, temperature control, electronic component protection and the like.

21: 2023/04029. 22: 2023/03/30. 43: 2023/10/19
51: A61K; C07K; C12N; A61P
71: TECHNION RESEARCH & DEVELOPMENT FOUNDATION LIMITED
72: KARIN, Nathan, JARROUS, Ghada
33: US 31: 63/041,940 32: 2020-06-21
33: US 31: 63/150,629 32: 2021-02-18
54: CXCL9 AND VARIANTS THEREOF FOR IMMUNOTHERAPY OF CANCER DISEASES
00: -
The invention provides a modified CXCL9 polypeptide comprising an insertion of an additional amino acid at the N - terminus of a corresponding wild type CXCL9, a pharmaceutical composition comprising the same and a method for the production thereof and of using the same for treating cancer. Further provided nucleic acids encoding the modified CXCL9 polypeptides of the invention, vectors and host cells comprising the same.



21: 2023/04030. 22: 2023/03/30. 43: 2023/10/19
51: A61K; C07K; C12N; A61P
71: TECHNION RESEARCH & DEVELOPMENT FOUNDATION LIMITED
72: KARIN, Nathan, JARROUS, Ghada
33: US 31: 63/041,936 32: 2020-06-21
33: US 31: 63/150,622 32: 2021-02-18
54: MODIFIED CXCL10 FOR IMMUNOTHERAPY OF CANCER DISEASES
00: -
The invention provides a modified CXCL10 polypeptide, comprising an insertion of an additional amino acid at the N - terminus of a corresponding wild type CXCL10, pharmaceutical composition comprising the same and method for using thereof for treating cancer.



21: 2023/04121. 22: 2023/03/28. 43: 2023/10/12
51: A23N
71: HG MOLENAAR & CO (PTY) LTD.
72: THRING, Tom Lawrence, MOLENAAR, Martin Werner, MOLENAAR, Cornelis Jacobus
33: ZA 31: 2022/09498 32: 2022-08-25
54: AN APPARATUS FOR AND A METHOD OF DESHELLING NUTS
00: -
The invention relates to an apparatus for deshelling nuts. The apparatus includes a feeder configured to feed an individual unshelled nut into a deshelling assembly; a cutter assembly for cutting a groove along an equator of the shell of a nut, the cutter assembly including a cutting means; wherein the deshelling assembly includes a gripper wherein the individual unshelled nut is gripped in order for the cutting means to cut a groove along the nut's equator thereby defining a half shell on either side of the groove; and a splitter, wherein the groove is engaged on either side thereof by the splitter to apply equal but opposite tensile forces on each side of the groove so as to pull apart the half shells, thereby deshelling the nut to expose a kernel. The invention extends to a method of deshelling nuts using the aforementioned apparatus.

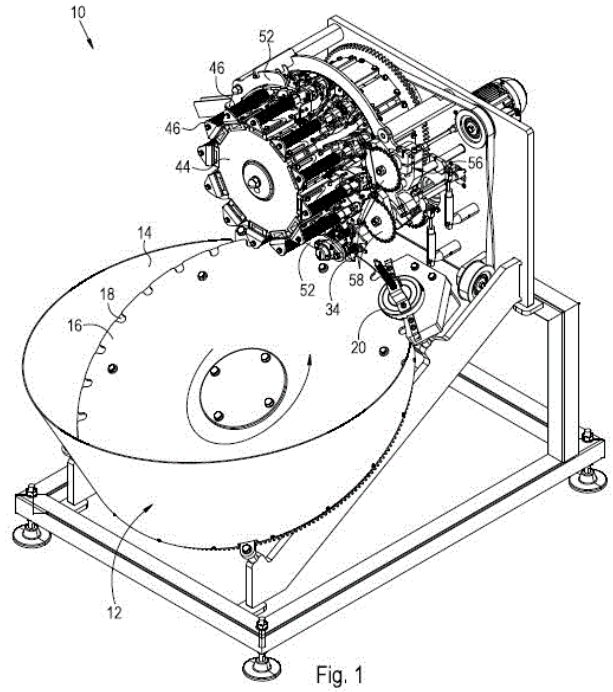
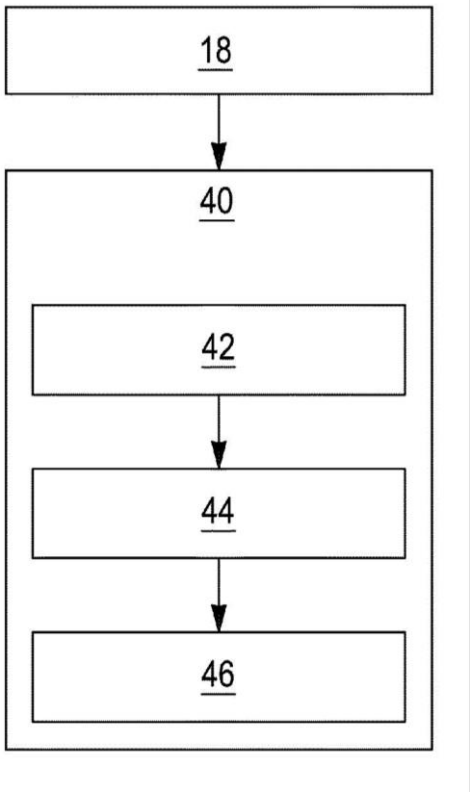
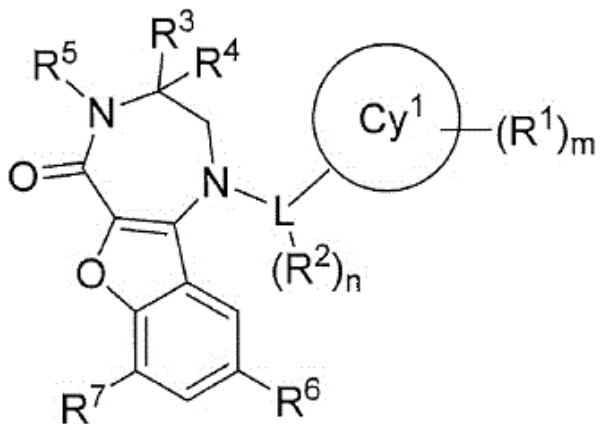


Fig. 1

21: 2023/04146. 22: 2023/04/04. 43: 2023/10/12
51: B01D; C02F
71: Suez International
72: BAUDIN, Isabelle, DANEL, Olivier, JOVANOVIC, Bastien
33: FR 31: 2009445 32: 2020-09-17
54: WATER TREATMENT METHOD WITH RENEWAL OF THE ADSORBENT TO A TARGETED INTERMEDIATE AGE
00: -
The invention relates to a method for treating fluid, notably water, the method further comprising a renewal step (40) in order to recover the adsorption capacities of an adsorbent bed (22), including the extraction (42) of a sample of adsorbent from the adsorbent bed (22), the determination (44) of a target mean age of the extracted adsorbent sample, in particular by the rejuvenation of at least one portion of the extracted adsorbent sample, at which target mean age the extracted adsorbent has a real abatement of pollutants corresponding to a previously set abatement objective, the rejuvenation (46) of the adsorbent bed (22) to the predetermined target mean age. The invention makes it possible to improve the treatment of a fluid by adsorption, and notably to take into account the new contaminants. The invention also relates to a plant for treatment according to the proposed method.



21: 2023/04169. 22: 2023/04/05. 43: 2023/10/12
51: C07D; A61K; A61P
71: JAPAN TOBACCO INC.
72: INOUE, MASAFUMI, OGOSHI, YOSUKE, FURUKAWA, TAKAYUKI, MACHIDA, TAKUYA, MITANI, IKUO, HARADA, KAZUHITO, NAKAGAWA, YUICHI, YAMAOKA, NOBUTAKA
33: JP 31: 2020-168596 32: 2020-10-05
54: TETRAHYDROBENZOFURODIAZEPINONE COMPOUNDS AND PHARMACEUTICAL APPLICATIONS THEREOF
00: -
The present invention provides compounds that have a Pim-1 inhibitory activity. The present invention provides, inter alia, compounds with formula [I] and their pharmaceutically acceptable salts, pharmaceutical compositions containing the same, and pharmaceutical applications thereof. (The symbols in the formula are as defined in the Description.)

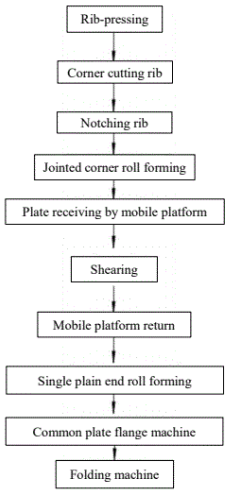


[I]

21: 2023/04176. 22: 2023/04/05. 43: 2023/10/12
51: C07D
71: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGN. OF SOC. ACT (ACT XXI OF 1860))
72: CHANDRASEKHAR, Srivari, S MAINKAR, Prathama, RAJI REDDY, Chada, RAMAKRISHNA, Sistla, SAI BALAGI, Andugulapati, MADHUSUDANA, Kuncha, MOHAN VENKATA SUBBARAO, Muppidi, SATYA KRISHNA, Tirunavalli
33: IN 31: 202011038497 32: 2020-09-05
54: HDAC INHIBITORS FOR IDIOPATHIC PULMONARY FIBROSIS AND OTHER LUNG INFLAMMATORY DISORDERS
00: -
The present invention relates to compound of Formula 1 for use in treating IPF, by reducing collagen deposition in lungs, attenuating the fibrotic marker's expression (in IPF cell-lines Bleomycin induced rat lungs) and improving the bleomycin induced pathological changes in rat lungs, and ARDS, by reducing the cytokine storm. The invention also relates to compound of Formula 1 for use in treating various fibrotic disorders like lung injuries caused by virus or bacterial infections, cardiac, hepatic and kidney fibrosis.

21: 2023/04199. 22: 2023/04/06. 43: 2023/11/22
51: B21D
71: Qingdao University of Technology
72: CHEN, Xiaofei, WANG, Xianglong, QIU, Yiqun, JIANG, Naibin

54: FULLY-AUTOMATED SERIAL PRODUCTION LINE AND PRODUCTION PROCESS OF GALVANIZED SHEET AIR DUCT
00: -
The pressure disclosure relates to the technical field of automatic production lines of air ducts, in particular to a fully-automated serial production line and a production process of a galvanized sheet air duct. The production method involved in the present disclosure is more simplified in structure and process, has low requirements for production space, and can achieve automatic one-step roll forming, the precision is high, the machining time is shortened, and the production efficiency is improved.

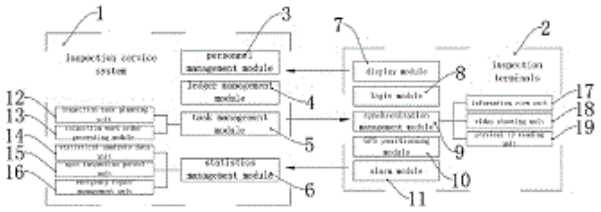


21: 2023/04200. 22: 2023/04/06. 43: 2023/10/12
51: A61K
71: PHARMATHEN S.A.
72: KARAVAS, Evangelos
54: PHARMACEUTICAL COMPOSITION COMPRISING ARIPIPRAZOLE AND METHOD FOR THE PREPARATION THEREOF
00: -
The present invention relates to controlled release injectable pharmaceutical formulations including an atypical antipsychotic agent such as Aripiprazole or a pharmaceutical acceptable salt thereof that forms a depot that provides long term release of the drug. It also relates to a process for the preparation thereof.

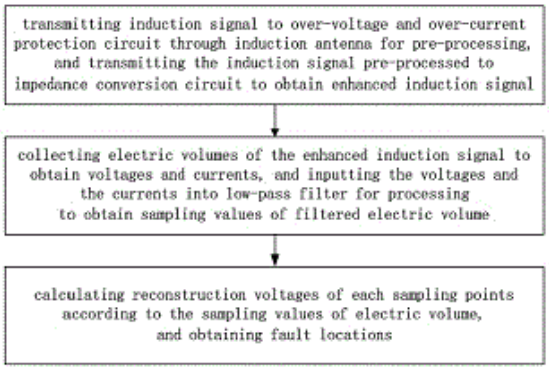
21: 2023/04201. 22: 2023/04/06. 43: 2023/10/12
51: A61K
71: PHARMATHEN S.A.

72: KARAVAS, Evangelos
54: PHARMACEUTICAL COMPOSITION COMPRISING AN ATYPICAL ANTIPSYCHOTIC AGENT AND METHOD FOR THE PREPARATION THEREOF
00: -
The present invention relates to controlled release injectable pharmaceutical formulations including an atypical antipsychotic agent such as Aripiprazole or pharmaceutical acceptable salt thereof that form a depot that provides long term release of the drug. It also relates to a process for the preparation thereof.

21: 2023/04208. 22: 2023/04/06. 43: 2023/10/12
51: G01R
71: HENAN CHANGJI ELECTRIC POWER CO., LTD
72: DING, SHOUBING, HAN, ZHIYUAN, WANG, BO, WANG, QIAN, LIANG, XIUHAO
54: INSPECTION SYSTEM OF POWER LINE AND METHOD THEREOF
00: -
An inspection system of power line and a method thereof are provided, which relate to the field of power line inspection technology. The system comprises an inspection service system and inspection terminals, which transmit information to each other. The method includes the step of the inspection service system setting the inspection task plans based on power facility ledger information and publishing the inspection task work orders. The method realizes power lines inspection by setting inspection task plans and publishing inspection task work orders, which makes power line inspection more efficient and secure, and locate fault location more fast and accurate. In addition, the method can also assist the patrol personnel to judge the situation of the inspection site remotely, and guide the patrol personnel to take corresponding measures for emergency repair, which can find dangerous situation timely and report obstacles for emergency repair, and reduce power loss.



21: 2023/04209. 22: 2023/04/06. 43: 2023/10/12
51: G01R
71: HENAN CHANGJI ELECTRIC POWER CO., LTD
72: ZHAO, ZHIFU, LEI, ZHEN, LI, HUAXU, WANG, FENG, WANG, ERHUI
54: FAULT LOCATING METHOD OF BURIED LINE
00: -
A fault locating method of buried lines is provided. The method transmits induction signal to over-voltage and over-current protection circuit through induction antenna for pre-processing, and transmits induction signal pre-processed to impedance conversion circuit to obtain enhanced induction signal. The method collects electric volumes of enhanced induction signal to obtain voltages and currents, and inputs voltages and currents into low-pass filter for processing to obtain sampling values of filtered electric volume. The method calculates reconstruction voltages of each sampling points according to sampling values of electric volume, and obtains fault locations. The method has high accuracy and low detection cost, and can obtain more accurate information of the fault locations. In addition, the method has better performance in detection process, and response speed of fault detection is faster, which can better meet requirements of safe and stable operation of power system after grid connection of large-scale photovoltaic power stations.

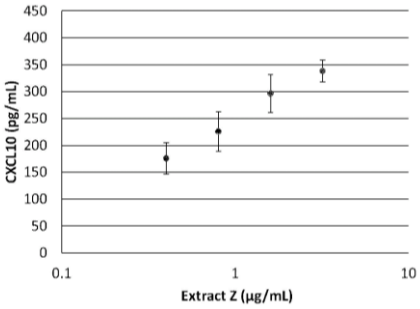


21: 2023/04219. 22: 2023/04/06. 43: 2023/10/12
51: A61K; A61P
71: ZERIA PHARMACEUTICAL CO., LTD.
72: HORII, Takayuki, TANAKA, Takao
33: JP 31: 2020-171491 32: 2020-10-09

54: NOVEL USE OF MYCOBACTERIUM TUBERCULOSIS EXTRACT

00: -

The present disclosure provides a composition, a combination, a medical device, and the like, that use an extract from Mycobacterium tuberculosis and are a new modality for treating, preventing, or preventing the recurrence of a cancer or a tumor. The present disclosure provides a composition, a combination, and a medical device, that use an extract from Mycobacterium tuberculosis and are a new modality for treating, preventing, or preventing the recurrence of a cancer or a tumor, each of which comprises an immune checkpoint inhibitor and a dendritic cell direct activator or means.

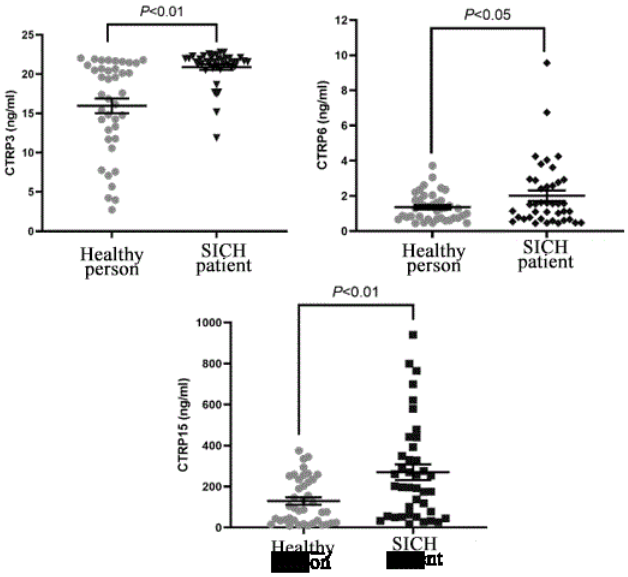


21: 2023/04252. 22: 2023/04/11. 43: 2023/11/22
51: G01N
71: Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences
72: ZHANG Fangbo, PAN Wen, YANG Hongjun
33: CN 31: 2022103644753 32: 2022-04-07

54: APPLICATION OF CTRP3 AND CTRP15 AS BIOMARKERS IN PREPARING PRODUCTS FOR EARLY DIAGNOSIS OF SPONTANEOUS INTRACEREBRAL HEMORRHAGE

00: -

The invention discloses an application of CTRP3 and CTRP15 as biomarkers in preparing products for early diagnosis of SICH, belonging to the biomedical field. In particular, the application of a product for detecting the expression level of a biomarker in preparing a reagent or a kit for early diagnosis of SICH is disclosed, where the biomarker is a single CTRP3 protein or a combination of CTRP3 protein and CTRP15 protein, and an application of CTRP3 protein, or the combination of CTRP3 protein and CTRP15 protein as biomarkers in preparing reagents or kits for early diagnosis of SICH. According to clinical data, the invention verifies that CTRP3 or the combination of CTRP3 and CTRP15 can be used as a biomarker for early diagnosis of SICH with high sensitivity and specificity, and provides a scientific basis for reducing SICH or related diseases caused by it.

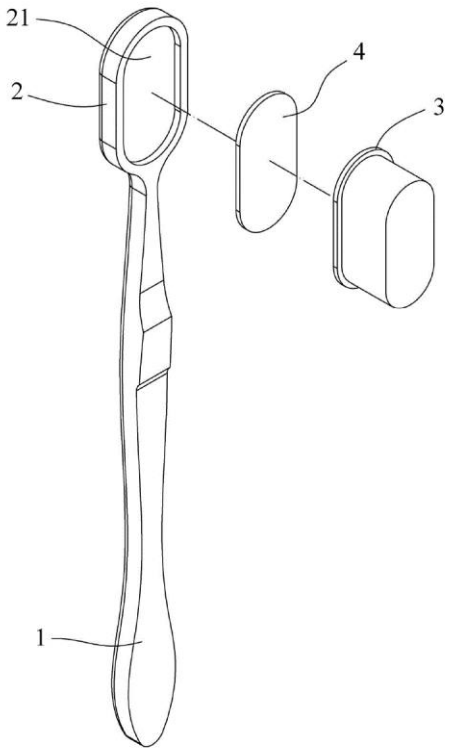


21: 2023/04259. 22: 2023/04/11. 43: 2023/10/17
51: A46B
71: CHIU, JU-HUI
72: CHIU, JU-HUI
33: TW 31: 111203915 32: 2022-04-18

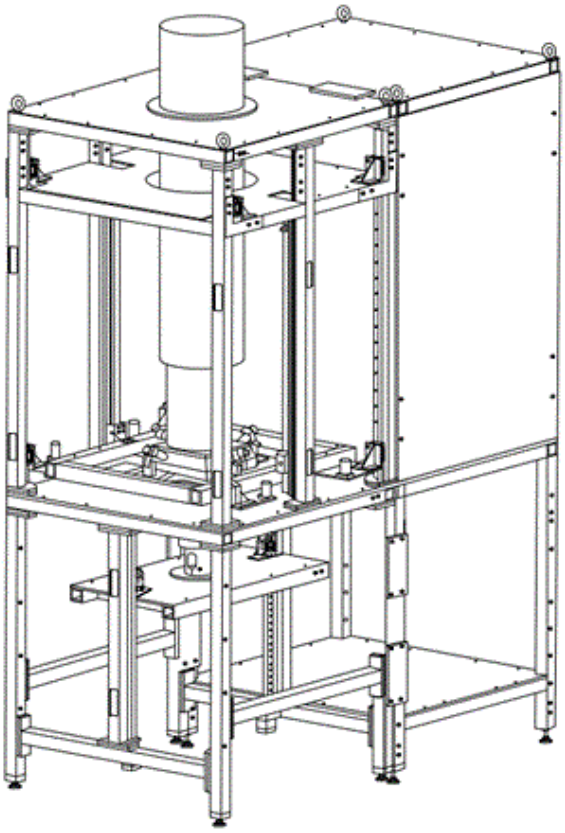
54: TOOTHBRUSH STRUCTURE

00: -

An improved toothbrush structure includes a handle with a toothbrush head disposed at an upper end of the handle. A groove is formed on a side of the toothbrush head and the groove is provided with a cleaning device, and a glue for fixing and adhering the groove of the toothbrush head and the cleaning device with each other, and the cleaning device includes but not limited to a sponge cleaning device, a non-woven fiber cleaning device, a nylon fiber cleaning device, a plant fiber cleaning device, a functional fabric cleaning device or a plastic cleaning device. The cleaning device has an end surface in a shape including but not limited to a flat shape or a wavy shape.



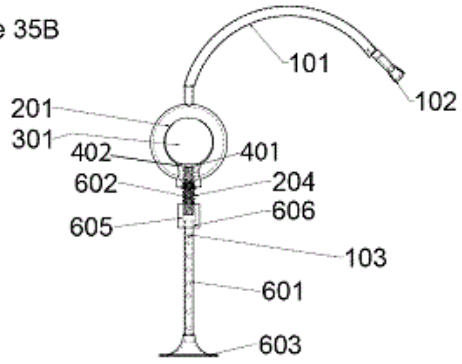
21: 2023/04274. 22: 2023/04/11. 43: 2023/11/22
51: G01M
71: Harbin Engineering University
72: WANG, Guixin, CAO, Yilong, CHEN, Guangku, WANG, Ziyu, JIA, Sensen, ZHU, Jialiang, GAO, Wenxiang, FAN, Ziying, HAO, Yanan, YU, Qian, XIN, Qi
33: CN 31: 2022103840246 32: 2022-04-12
54: JET EXPERIMENT BENCH FOR MEASUREMENT OF TEMPERATURE FIELD OF ENGINE PISTON
00: -
An object of the present application is to provide a jet experiment bench for measurement of temperature field of an engine piston. By accurately simulating the heating and heat dissipation of the piston, an accurate distribution of the temperature field of the piston is obtained, thereby achieving the purpose of data calibration. The experiment bench adopts a modular design, and each functional module is designed with an interface for quick assembly, so that the experiment bench is convenient to assemble and disassemble and has a space for functional expansion and continuous optimization; in order to improve human-computer interaction performance, the experiment bench adopts automatic control to allow an operator to perform remote control, and experiment data is automatically collected and uploaded by an data collection system for the experiment bench; the experiment bench can accurately acquire temperature distribution of the piston during the operation of the engine.



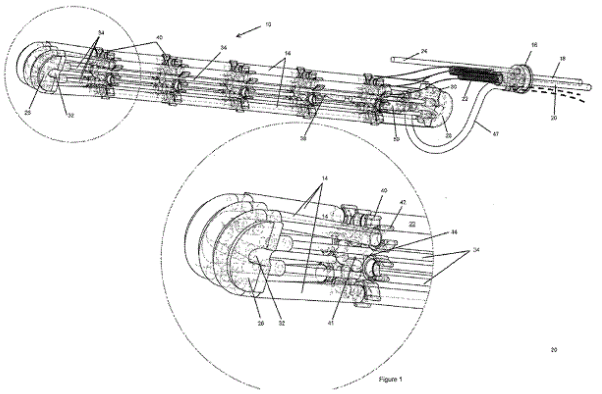
21: 2023/04289. 22: 2023/04/11. 43: 2023/10/13
51: G10D G10B
71: ORB MUSIC INC.
72: BAGATAVICIUS, Adam, Jason, MACDONALD, Jamus, Adrian
33: US 31: 63/079,896 32: 2020-09-17
54: AEROPHONE INSTRUMENT USING AIR-FILLED OBJECT
00: -
An apparatus for assembling and playing an aerophone instrument comprises an air conduit providing an air passage and a means for positioning an enclosed air-filled object to be operatively associated with the air conduit. One or more air inlets and air outlets are disposed along the air conduit for the delivery of gas along one or more air pathways through the air passage. A first volume of compressed air is delivered along an air pathway

from an air inlet to an air outlet to produce a vibration on the external surface of a wall of the air-filled object. The vibration of the wall of the air-filled object causes the vibration of a second volume of compressed air as it is exiting the air outlet. The vibration of the volume of compressed air as it exits the air conduit can be experienced as audible sound and modulated to make music.

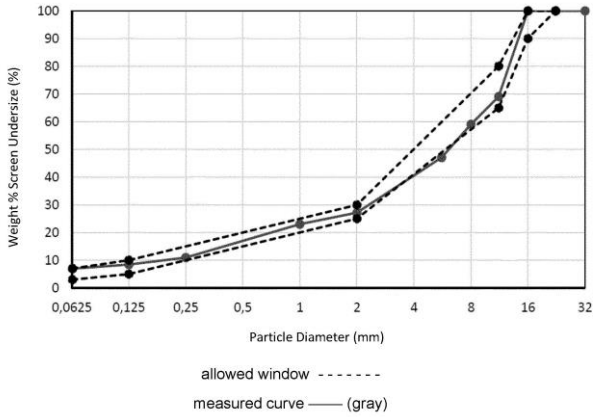
Figure 35B



21: 2023/04298. 22: 2023/04/11. 43: 2023/10/13
51: F24H F24T
71: BOTHA, Johannes, Matthys, Beukes
72: BOTHA, Johannes, Matthys, Beukes
33: ZA 31: 2020/06305 32: 2020-10-12
54: HEAT EXCHANGER ASSEMBLY
00: -
The invention provides a heat exchanger assembly for transferring heat from compressed gas to heat water in a household type geyser. The heat exchanger assembly includes a frame (12) for supporting and holding tubing (14), which tubing (14) is shaped to occupy an elongate cylindrical space of which the diameter is less than the electrical element access opening provided on electrical water geysers. The heat exchanger assembly further includes a flanged hub (16) configured to be attached to a geyser in the place of an electrical heating element normally provided with the household type geyser, and corrugated metal tubing (14) shaped and supported on the frame (12) with an inlet (18) and outlet (20) extending through the hub (16), which tubing is wrapped in a water resistant sheath (22).



21: 2023/04304. 22: 2023/04/11. 43: 2023/10/13
51: C08L
71: Sasol Germany GmbH
72: BUTZ, Thorsten, GROSS-MATTHÄI, Susann, OELKERS, Carsten, JONES, Ben
33: EP(DE) 31: 20205287.4 32: 2020-11-02
54: A BITUMEN ADDITIVE COMPRISING AN AQUEOUS WAX DISPERSION AND ITS USE TO OBTAIN A FOAMED BITUMEN
00: -
The invention relates to a bitumen additive comprising a wax dispersed in water, the water being in the continuous phase and the wax in the dispersed phase; the wax comprising a Fischer-Tropsch wax and one or more hydrocarbon waxes selected from the group comprising petroleum-based waxes, polyolefin waxes, or mixtures thereof; and an emulsifier. The invention extends to a method to produce a foamed bitumen composition by adding a bitumen additive to a bitumen feedstock in a bitumen foaming device to produce the foamed bitumen, and to a method to produce an asphalt mix by adding a bitumen feedstock and a bitumen additive to an aggregate in an asphalt mixer to produce the asphalt mix.

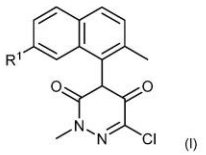


21: 2023/04305. 22: 2023/04/11. 43: 2023/10/13
51: A01N; C07D
71: Syngenta Crop Protection AG
72: WAILES, Jeffrey Steven, HOLLOWAY, Thomas Edward, WATKINS, Melanie Jayne
33: GB 31: 2016568.4 32: 2020-10-19

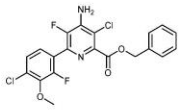
54: MIXTURES OF PYRIDAZINES AS HERBICIDAL COMPOSITIONS

00: -

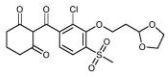
The present invention relates to compositions comprising as component (A) a compound of formula (I) or an agrochemically acceptable salt thereof wherein R¹ is H or methyl; and as component (B) at least one compound, or agrochemically acceptable salt thereof, selected from the group consisting of B-I, B-II, B-III, B-IV, B-V, B-VI, B-VII, B-VIII, B-IX and to their use in controlling plants or inhibiting plant growth.



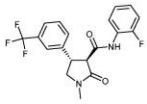
(I)



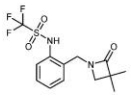
B-I



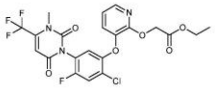
B-II



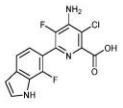
B-III



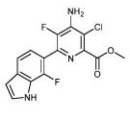
B-IV



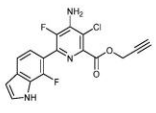
B-V



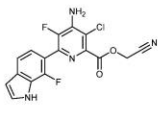
B-VI



B-VII



B-VIII



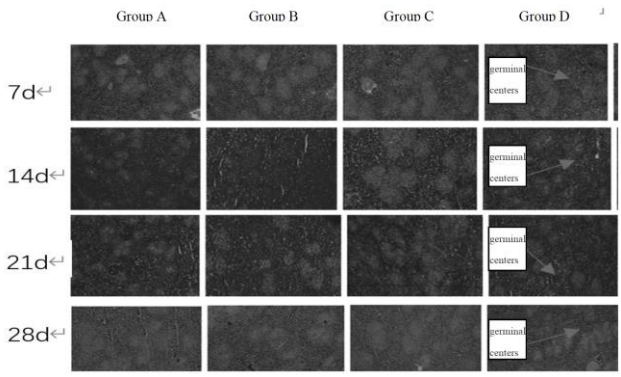
B-IX

21: 2023/04319. 22: 2023/04/12. 43: 2023/11/22
51: A61K
71: Yinchuan Maternity and Child Healthcare Hospital, Ningxia Benwang Ecological Agriculture Co., Ltd., Institute of Animal Science, Ningxia Academy of Agriculture and Forestry Science (Ningxia Grass and Livestock Engineering Technology Research Center), Ningxia Wuxing Science and Technology Co., Ltd.
72: Jiandong Wang, Xiaojun Liang, Min Wang, Yanan Guo, Pengxia Hou, An Shi, Yang Yu, Xiaodong Kang, Haihui Gao, Xiuqin Wang, Zhengwei Zhao, Jianbao Ding, Chuan Wang, Yuwei Yang, Yuqiong Li, Junli Zhang, Yanping Li, Shufen Xu, Ruigang Wang, Wu Jiang
33: CN 31: 115025206 A 32: 2022-06-15

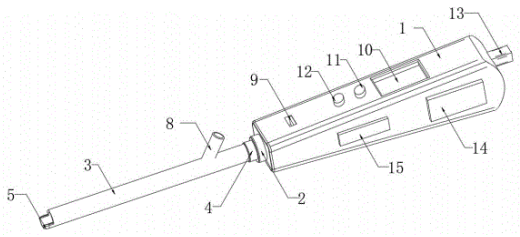
54: A COMPOSITION FOR ANTI-OVARIAN AGING OF COWS AND APPLICATION THEREOF

00: -

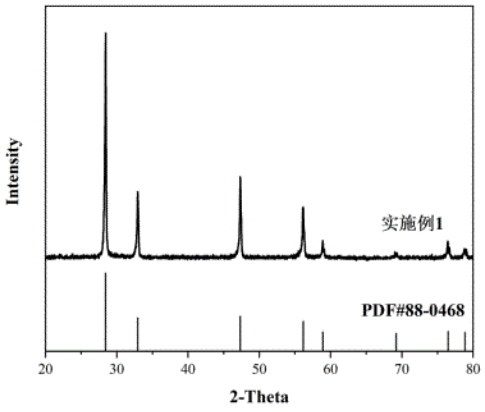
The invention discloses a composition and an additive made from the composition for anti-ovarian aging of cows and its application. The composition is made of anthocyanin, glycyrrhetinic acid and lycium barbarum glycopeptide. The invention discloses that the composition, in clinical treatment of cow ovarian aging, could result in an increase in splenic germinal centres; and reveals the mechanism of the antioxidant effect of the composition on primary ovarian granulosa cells in cows, mainly be participating in the regulation of programmed cell death, Ras protein signaling, tissue development, cellular serine and tryptophan kinase activities, MAPK signaling pathway, PI3K-AKT signaling pathway. Laser confocal results showed that the composition could significantly reduce the generation of mitochondrial reactive oxygen species; at the same time, the therapeutic effect on the persistent corpus luteum of the cows was achieved by improving the structure of the intestinal flora, and the colony was significantly changed at the upstream of the genus level; B-ultrasound results revealed that more large follicles could be detected in the ovaries of persistent luteal cows after one month of administration of the composition.



21: 2023/04322. 22: 2023/04/12. 43: 2023/11/22
51: A61B
71: Guang'an People's Hospital
72: REN, Zhangxia, YANG, Renruiqi, YANG, Ning
33: CN 31: 202220851748.2 32: 2022-04-13
54: VISUAL RADIOFREQUENCY ABLATION TREATMENT DEVICE
00: -
Disclosed is a visual radiofrequency ablation treatment device. The visual radiofrequency ablation treatment device includes a handle, where a first connector is connected to the handle, a puncture needle sleeve is arranged on one side of the handle, a second connector is connected to one end of the puncture needle sleeve, the puncture needle sleeve is connected to the first connector by means of the second connector, a camera assembly is connected to one end of the puncture needle sleeve, a suction tube inlet is in communication with an exterior of the puncture needle sleeve, a universal serial bus (USB) connector is arranged on one side of the handle, a parameter display panel is further arranged on one side of the handle, and a radiofrequency power knob and a time adjusting knob are arranged on one side of the handle. The present invention causes smaller injury.



21: 2023/04323. 22: 2023/04/12. 43: 2023/11/22
51: C04B
71: Taiyuan University of Technology
72: Yang MIAO, Xiaomin WANG, Chufei CHENG, Wenyi LI, Jiadong HOU, Ziqian MENG
33: CN 31: 202210915185.3 32: 2022-08-01
54: HIGH ENTROPY FLUORITE OXIDE TARGET AND ITS PREPARATION METHOD
00: -
The invention discloses a high entropy fluorite oxide target and its preparation method. S1. weighing ZrO2, HfO2, CeO2, Y2O3, La2O3 and Pr6O11 powders into crucibles, and calcining them in a muffle furnace to remove moisture and impurities; S2. mixing the calcined ZrO2, HfO2, CeO2, Y2O3, La2O3 and Pr6O11 powders in a planetary ball mill, and drying the slurry in a drying oven after ball milling to obtain a high entropy ceramic powder with uniform composition; S3. sequentially placing the high entropy ceramic powder in a hydraulic press and a cold isostatic press after granulating to press to obtain a ceramic embryo; S4. placing a ceramic green body in an atmosphere sintering furnace to obtain (ZrHfCeYLaPr)O2-Delta high entropy ceramic block, and then washing and drying (ZrHfCeYLaPr) O2-Delta high entropy ceramic block after machining to obtain a high entropy oxide target with a fluorite structure. The invention adopts a high entropy fluorite oxide target of the structure and its preparation method, and uses an equal molar ratio oxide powder to prepare a high entropy oxide target of six components with high purity and high density.



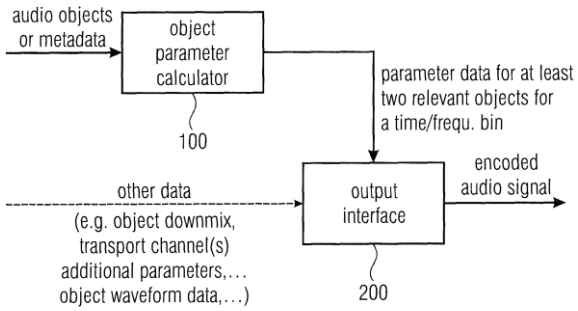
21: 2023/04332. 22: 2023/04/12. 43: 2023/11/09
51: G10L
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

72: EICHENSEER, Andrea, KORSE, Srikanth, BAYER, Stefan, KÜCH, Fabian, THIERGART, Oliver, FUCHS, Guillaume, WECKBECKER, Dominik, HERRE, Jürgen, MULTRUS, Markus
33: EP 31: 20201633.3 32: 2020-10-13
33: EP 31: 20215651.9 32: 2020-12-18
33: EP 31: 21184367.7 32: 2021-07-07

54: APPARATUS AND METHOD FOR ENCODING A PLURALITY OF AUDIO OBJECTS AND APPARATUS AND METHOD FOR DECODING USING TWO OR MORE RELEVANT AUDIO OBJECTS

00: -

Apparatus for encoding a plurality of audio objects, comprising: an object parameter calculator (100) configured for calculating, for one or more frequency bins of a plurality of frequency bins related to a time frame, parameter data for at least two relevant audio objects, wherein a number of the at least two relevant audio objects is lower than a total number of the plurality of audio objects, and an output interface (200) for outputting an encoded audio signal comprising information on the parameter data for the at least two relevant audio objects for the one or more frequency bins.

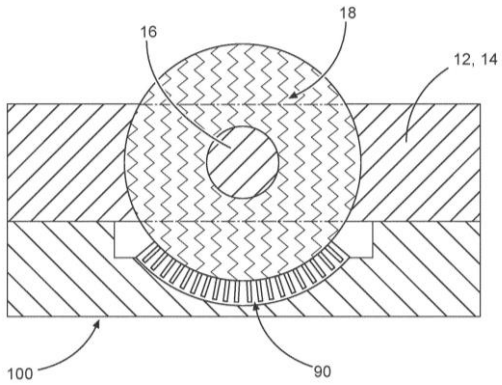


21: 2023/04348. 22: 2023/04/12. 43: 2023/10/13
51: H01F
71: ETA Green Power Ltd.
72: BOWMAN, Liam
33: EP(GB) 31: 20204340.2 32: 2020-10-28

54: AN INDUCTOR COIL

00: -

The present invention relates to an inductor coil, comprising: a first component (12); a second component (14); a length of conductor (18); a heat sink (100); wherein, the first component is located adjacent to the second component; wherein, a core (16) is formed from the first component and the second component; wherein, a first part of the length of conductor is wound around at least the core to form a plurality of turns of conductor; wherein, the heat sink comprises a thermally conductive material; wherein, the heat sink comprises a first part (90, 110) and a second part; wherein, first part of the heat sink has a first material and/or structural characteristic and the second part of the heat sink has a second material and/or structural characteristic different to the first material and/or structural characteristic; and wherein, an inner surface of the first part of the heat sink is in contact with an outer surface of a part of the plurality of turns of conductor.



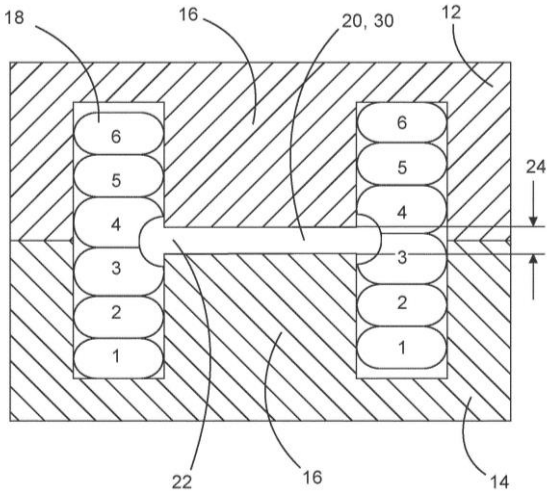
21: 2023/04349. 22: 2023/04/12. 43: 2023/10/26
51: H01F
71: ETA Green Power Ltd.
72: BOWMAN, Liam
33: EP(GB) 31: 20204342.8 32: 2020-10-28

54: AN INDUCTOR COIL

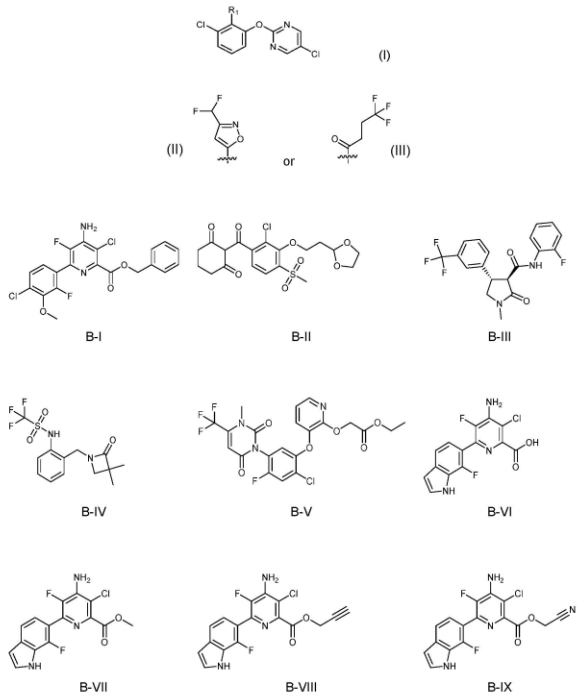
00: -

The present invention relates to an inductor coil, comprising: a first component (12); a second component (14); and a length of conductor (18); wherein, the first component is located adjacent to the second component; wherein, a core (16) is formed from the first component and the second component; wherein the core is located along a first portion of a central axis and a second portion of the central axis; wherein, along a third portion of the central axis the first component is spaced from the second component to form a gap (20, 30) in the core, wherein the third portion of the central axis is between the first portion of the central axis and the second portion of the central axis; wherein, a first part of the length of conductor is located around the first portion of the central axis, located around the second portion of the central axis, and located

around the third portion of the central axis to form a plurality of turns of conductor around the core and the gap in the core; and wherein, at least one section of the first part of the length of conductor is compressed in the direction of the central axis.



21: 2023/04352. 22: 2023/04/12. 43: 2023/10/17
51: A01N; C07D
71: Syngenta Crop Protection AG
72: WAILES, Jeffrey Steven, HOLLOWAY, Thomas Edward, WATKINS, Melanie Jayne
33: GB 31: 2016569.2 32: 2020-10-19
54: MIXTURES OF PYRIMIDINES AS HERBICIDAL COMPOSITIONS
00: -
The present invention relates to compositions comprising as component (A) at least one compound of formula (I), or an agrochemically acceptable salt thereof wherein R_1 is (II) or (III) and, as component (B), at least one compound, or agrochemically acceptable salt thereof, selected from the group consisting of B-I, B-II, B-III, B-IV, B-V, B-VI, B-VII, B-VIII, B-IX and to their use in controlling plants or inhibiting plant growth.



21: 2023/04367. 22: 2023/04/13. 43: 2023/11/14
51: H03M; G16B
71: ILLUMINA, INC.
72: RIZK, Guillaume Alexandre Pascal
33: US 31: 63/110,308 32: 2020-11-05
54: QUALITY SCORE COMPRESSION
00: -
Methods, systems, and computer programs for compressing nucleic acid sequence data. A method can include obtaining nucleic acid sequence data representing: (i) a read sequence, and (ii) a plurality of quality scores, determining whether the read sequence includes at least one N base, based on a determination that the read sequence does not include at least one N base, generating a first encoded data set by using a first encoding process to encode each of the quality scores of the read sequence using a base-(x minus 1) number, where x is an integer representing a number of different quality scores used by the nucleic acid sequencing device, and using a second encoding process to encode the first encoded data set, thereby compressing the data to be compressed.

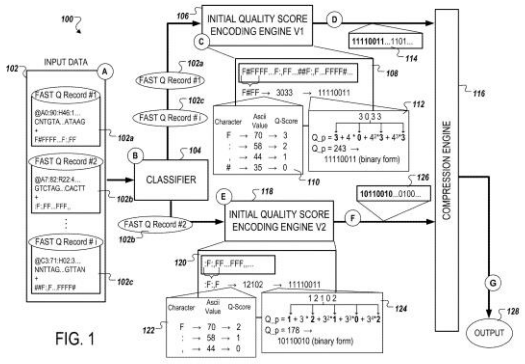


FIG. 1

21: 2023/04378. 22: 2023/04/13. 43: 2023/11/14
51: G16B
71: ILLUMINA, INC.
72: RIZK, Guillaume Alexandre Pascal
33: US 31: 63/078,890 32: 2020-09-15
54: SOFTWARE ACCELERATED GENOMIC READ MAPPING
00: -
Methods, systems, apparatus, and computer programs are disclosed for software-accelerated genomic data read mapping. In one aspect, the method can include actions of obtaining a k-mer seed from a genomic data read, generating a genomic signature based on the obtained k-mer seed, determining a reference sequence location that match at least a portion of the k-mer seed using a hash data structure, wherein the hash data structure comprises N data cells comprising a first portion storing a predetermined genomic signature and a second portion storing a value that corresponds to a first occurrence of a reference sequence location that match at least a portion of the k-mer seed from which the predetermined genomic signature was derived, and selecting the determined reference sequence location as an actual alignment for the obtained k-mer seed based on one or more alignment scores.

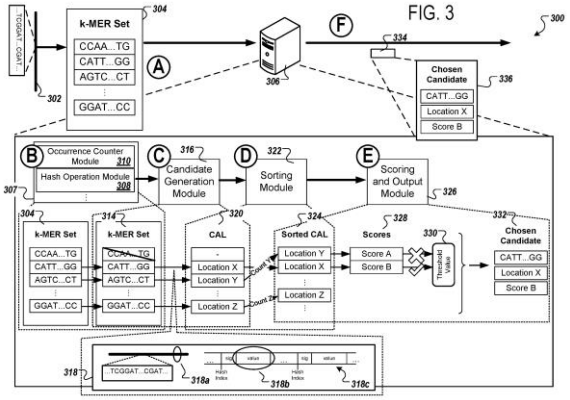
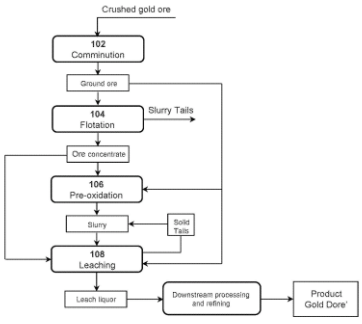


FIG. 3

21: 2023/04389. 22: 2023/04/13. 43: 2023/10/17
51: C22B
71: L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude
72: GOSTU, Sumedh, MAENG, Min Ho, MURRAY, Timothy L.
33: US 31: 17/072,788 32: 2020-10-16
54: METHODS OF BASE METAL RECOVERY WITH APPLICATIONS OF OXYGEN VECTORS
00: -
In described embodiments, a process for recovery of a metal from a grounded ore comprises leaching the grounded ore with a leaching reagent, an oxidant and an oxygen vector. In particular, a process for recovery of gold from a grounded gold ore, comprises leaching the grounded gold ore with a cyanide salt, an oxidant and an oxygen vector. The oxygen vector is selected from dodecane, decane, hexadecane, or the like.



21: 2023/04392. 22: 2023/04/13. 43: 2023/10/17
51: H04W
71: Chery Automobile Co., Ltd.
72: XIA, Cui, WEI, Aoting, WANG, Fei, WANG, Chuansu
33: CN 31: 202011099321.3 32: 2020-10-14

54: VEHICLE AND DEVICE POSITIONING METHOD

00: -

Provided are a method for identifying the installation positions of Bluetooth slave modules, so as to conveniently and accurately identify the installation positions of Bluetooth slave modules. The method is as follows: providing position detection pins on Bluetooth slave modules, and when the Bluetooth slave modules are installed, connecting the position detection pins of the Bluetooth slave modules at different installation positions to different level signal pins, such that the level situations of the position detection pins of different Bluetooth slave modules are different, thereby endowing each Bluetooth slave module with address information corresponding to the installation position thereof; and a Bluetooth master module or the Bluetooth slave modules compare the level situations of the position detection pins of the Bluetooth slave modules with a pre-stored position level table, and identify installation position information corresponding to the Bluetooth slave modules, wherein the position-level table is used for representing a relationship between the installation positions of the Bluetooth slave modules and the level situations of the level signal pins of the installation positions. The present invention is applicable to identifying, when multiple Bluetooth slave modules are installed in a vehicle in a mixed manner, the installation positions of the Bluetooth slave modules.

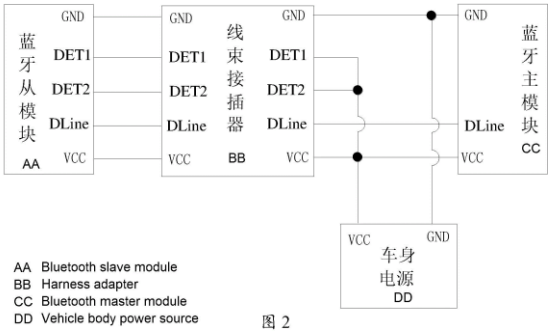


图 2

21: 2023/04394. 22: 2023/04/13. 43: 2023/10/17
51: B25J
71: Guangzhou Weimou Medical Instrument Co., Ltd.
72: HUANG, Kai, NI, Huanqi, XIA, Jun, LIN, Haotian
33: CN 31: 202111130379.4 32: 2021-09-26

54: AUTONOMOUS LEARNING METHOD FOR MECHANICAL ARM CONTROL METHOD

00: -

An autonomous learning method for a mechanical arm control method, comprising the following steps: step 1: initializing a mechanical arm (1) and a force feedback sensor (201); step 2: setting a motion path of an execution element (2); step 3: operating the execution element (2) to move to a remote motion center point along the motion path, and enabling the execution element (2) to complete a rotation cyclic motion within a given rotation range to obtain remote motion center point data; and step 4: giving a learning step number n by establishing a learning network, the execution element (2) starting n rotation motions on the motion path, and after each step of motion, updating the remote motion center point and the learning network according to data of the force feedback sensor (201). According to the autonomous learning method, the motion of the execution element (2) is adapted to an actual running environment, the deviation caused by the deformation of the environment to the motion is taken into consideration, and the motion adjustment of a remote motion center is dynamically guided, so that the motion execution precision of the mechanical arm (1) is improved, and the error between an actual motion and a standard motion of the mechanical arm (1) is reduced.

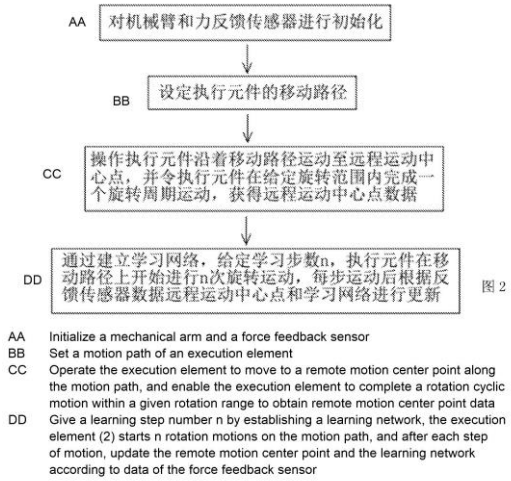
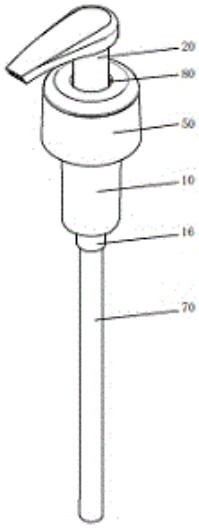


图 2

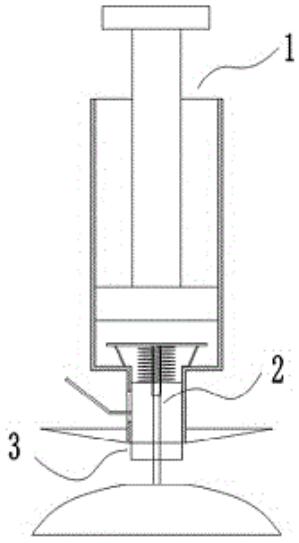
21: 2023/04410. 22: 2023/04/14. 43: 2023/10/17
51: B65D
71: XIAMEN DAIDA TECHNOLOGY CO., LTD.
72: DAI, HENGXING, YANG, YUJIAN

54: FULL-PLASTIC LIQUID PUMP
00: -
Disclosed is a full-plastic liquid pump, including a pump body, a pump head, a piston, a spring, a threaded cover, a one-way valve, and a suction pipe. Two ends of the pump head are respectively provided with a liquid outlet, and a slidable pressing rod. A middle portion of the slidable pressing rod movably passes through a cover hole formed of the threaded cover. The piston is connected with an inner wall of the pump body to divide inner space of the pump body into an air pressure cavity and a liquid storage cavity. A vent hole is formed in an upper portion of the pump body. An axial through hole is formed in a center of the piston. A lower end of the spring is fixedly arranged in the liquid storage cavity. The one-way valve is fixedly arranged in the liquid storage cavity corresponding to the suction pipe.



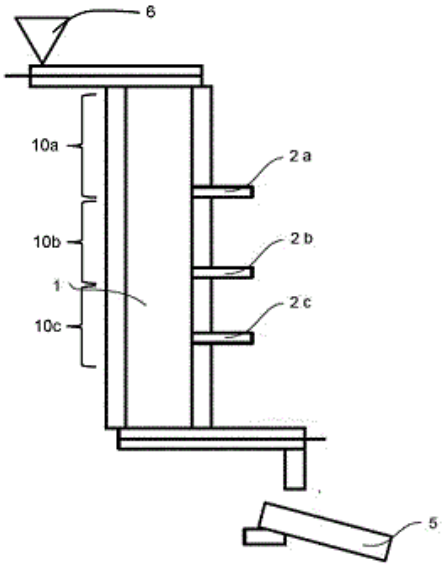
21: 2023/04411. 22: 2023/04/14. 43: 2023/10/17
51: A23B; A61B; A61M
71: GUIZHOU TOBACCO SCIENCE RESEARCH INSTITUTE
72: WEICHANG, GAO, KAI, CAI, SHUYI, ZHANG, JINGWEI, ZHU, LIANGYU, DAI, TAOZE, LIU, JIANZHONG, CHENG
33: CN 31: 202310166635.8 32: 2023-02-27

54: DEVICE FOR INJECTING LIQUID INTO PLANT LEAVES AND INJECTION METHOD
00: -
The invention discloses a device for injecting liquid into plant leaves and an injection method. The injection device comprises an injection unit comprising an outer cylinder, a piston and a pushing component, the outer cylinder being provided with a first cavity and a second cavity, and the piston being arranged in the first cavity and connected with the pushing component; a fixing unit comprising an upper base, a lower base, a positioning needle and a positioning tube, the upper base being radially arranged in the first cavity, the lower base being located outside an outlet of the second cavity, the positioning needle being vertically fixed on the lower base, and the positioning tube being arranged on a bottom surface of the upper base; and a punching unit comprising a cutting cylinder and a pressing member, the cutting cylinder being arranged in the second cavity, and the cutting cylinder being connected with the pressing member. The upper base, the lower base, the positioning needle and the positioning tube are combined into the fixing unit before the chemical solution is injected, so that an end face of the lower base and an outlet end of the second cavity can be tightly attached to two end faces of a leaf respectively, thereby ensuring the stability of punching and injection and improving the chemical solution injection efficiency and quality, and operation is easy.

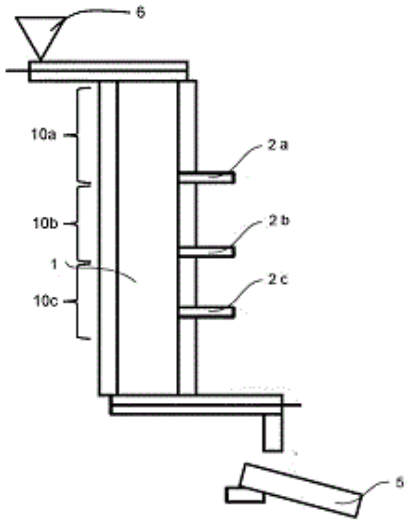


21: 2023/04422. 22: 2023/04/14. 43: 2023/10/17
51: C10B C08J
71: MICROWAVE SOLUTIONS GMBH
72: STAPELA, Annelie, ROSSOUW, Mathys Johannes
33: CH 31: 01182/20 32: 2020-09-18

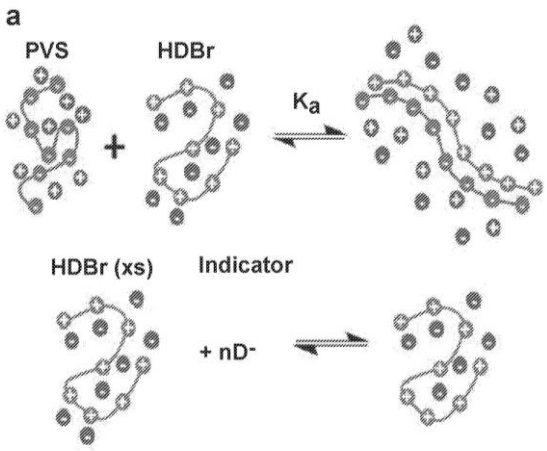
54: PYROLYSIS OF CARBON BASED MATERIAL
00: -
The invention relates to a pyrolysis method and reactor for recovering at least one component from a carbon based material using thermal decomposition. The carbon based material is delivered to a pyrolytic chamber (1), exposed to a controlled atmosphere and heated to a decomposition temperature of the at least one component in the pyrolytic chamber (1) by microwave radiation. A variable power microwave radiation at frequencies between 300 MHz and 2200 MHZ is applied to sequentially increase a temperature in the pyrolytic chamber (1) over a temperature range including the decomposition temperature of the at least one component.



21: 2023/04423. 22: 2023/04/14. 43: 2023/10/17
51: C10B C08J
71: MICROWAVE SOLUTIONS GMBH
72: STAPELA, Annelie, ROSSOUW, Mathys Johannes
33: CH 31: 01184/20 32: 2020-09-18
54: PYROLYSIS AND DEPOLYMERIZATION OF TIRE MATERIAL
00: -
The invention relates to a pyrolysis method and reactor for recovering at least one component from a tire material using thermal decomposition. The tire material is delivered to a pyrolytic chamber (1), exposed to a controlled atmosphere and heated to a decomposition temperature of the at least one component in the pyrolytic chamber (1) by microwave radiation. A variable power microwave radiation at frequencies between 300 MHz and 2500 MHZ is applied to sequentially vary a temperature in the pyrolytic chamber (1) over a temperature range including the decomposition temperature of the at least one component.

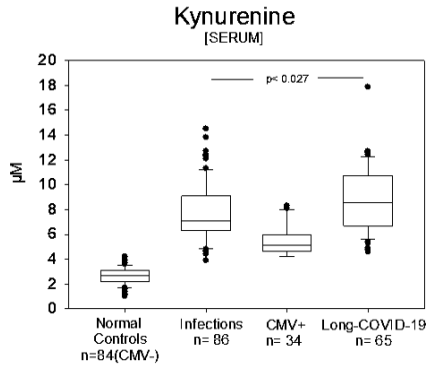


21: 2023/04433. 22: 2023/04/14. 43: 2023/10/17
51: G01N
71: Amgen Inc.
72: SOTO, Robert Joseph
33: US 31: 63/093,124 32: 2020-10-16
54: TITRATION METHODS FOR DETECTING POLYVINYL SULFONATE (PVS) IN BUFFERS
00: -
The disclosure provides methods, including automated methods, to detect levels of polyanions such as polyvinyl sulfonates in fluids such as buffers by complexometric or titration-based techniques. Such polyanionic compounds have been shown to inhibit enzymes involved in PCR that confounds efforts to monitor the purity of proteins obtained from cell culture, such as biologies and biosimilars.

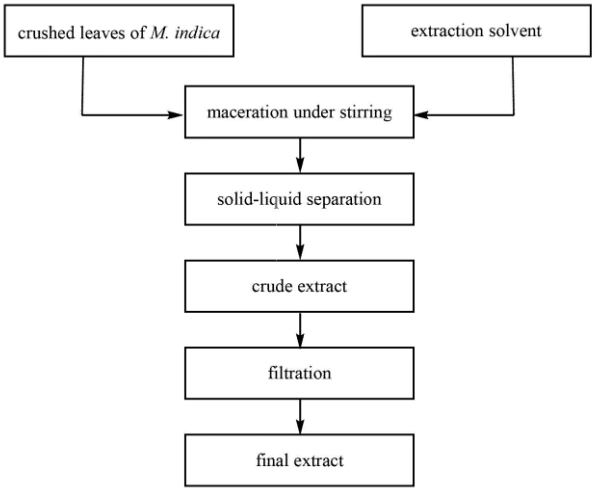


21: 2023/04467. 22: 2023/04/17. 43: 2023/10/24
51: B32B; C08J
71: NMC SA
72: NAVEZ, Vincent, MEESEN, Silvain, KRIESCHER, Gerhard
33: PCT/EP(BE) 31: 2021/069636 32: 2021-07-14
54: LOW-DENSITY FOAM AT LEAST PARTIALLY COVERED WITH A SKIN MATERIAL
00: -
The present invention refers to a foam material with a low-density foam core wherein the foam core is at least partially covered with a skin material having a higher density than the foam core, which has a density of no more than 400 kg/m³ while the density of the skin material is at least 800 kg/m³.

21: 2023/04493. 22: 2023/04/18. 43: 2023/10/24
51: G01N
71: SALION GMBH
72: ABENDROTH, Dietmar, STANGL, Manfred J.
33: EP 31: 22169087.8 32: 2022-04-20
54: KYNURENINE: USEFUL BIOMARKER IN ACUTE COVID-19 AND LONG COVID
00: -
The invention relates to an in vitro method for the detection of inflammation caused by an acute COVID-19 infection, long COVID and/or PIMS, wherein the level of kynurenine in a body fluid is determined and wherein the value of kynurenine measured in the patient to be diagnosed is compared with the average value obtained from a comparable cohort of persons who do not suffer from said diseases, whereby the value of kynurenine in patients is increased.

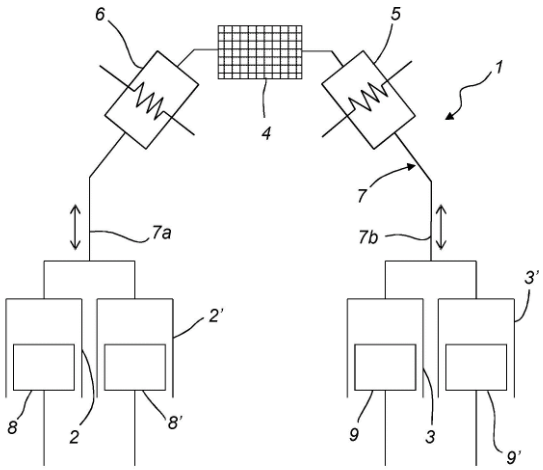


21: 2023/04514. 22: 2023/04/18. 43: 2023/10/24
51: A61K; A61P; A61Q
71: Givaudan SA
72: DE TOLLENAERE, Morgane, JARRIN, Cyrille, LAMBERT, Carole, REYNAUD , Romain, SCANDOLERA, Amandine, SENNELIER PORTET, Bénédicte
33: GB 31: 2017114.6 32: 2020-10-28
54: IMPROVEMENTS IN OR RELATING TO EXTRACTS
00: -
The invention is related to an extract of Mangifera Indica leaves provided in a mixture of propanediol and water as carrier solvent, to its use in cosmetic applications and to cosmetic compositions comprising the extract.

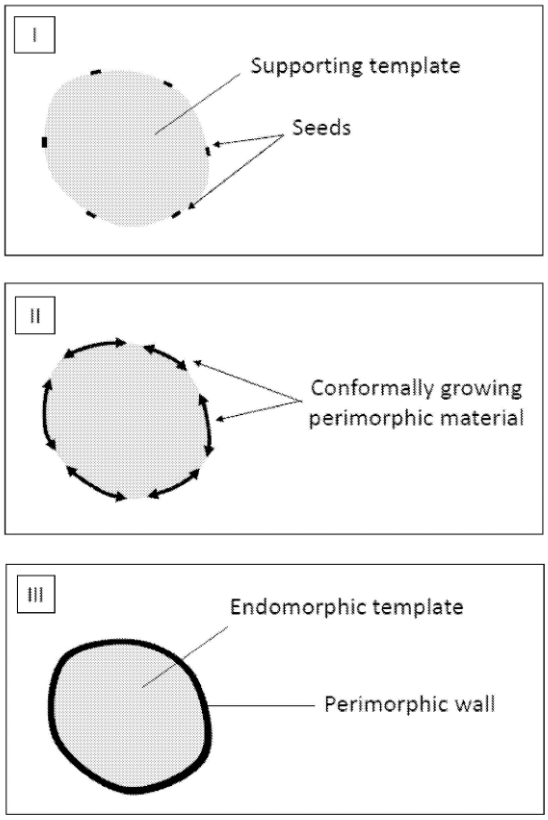


21: 2023/04548. 22: 2023/04/19. 43: 2023/10/26
51: F02B; F02G
71: Azelio AB
72: NILSSON, Martin
33: SE 31: 2051260-4 32: 2020-10-30
54: ALPHA STIRLING ENGINE

00: -
An alpha type Stirling engine (1) comprises an expansion cylinder (2) and a compression cylinder (3). The Stirling engine further comprises a regenerator (4), a cooler (5), a heater (6), and a gas channel (7) which provides the expansion cylinder (2) in fluid communication with the compression cylinder (3). At least one of the expansion cylinder (2) and the compression cylinder (3) has a twin cylinder (2', 3') which functions as an additional expansion cylinder (2') or an additional compression cylinder (3'), respectively, wherein the one of the expansion cylinder (2) and the compression cylinder (3) that has a twin cylinder (2', 3'), is together with said twin cylinder (2' 3') connected to a first portion (7a) of the gas channel (7), from which first portion (7a) the gas channel (7) extends via the regenerator (4) to a second portion (7b) to which the other one of the expansion cylinder (2) and the compression cylinder (3) is connected.

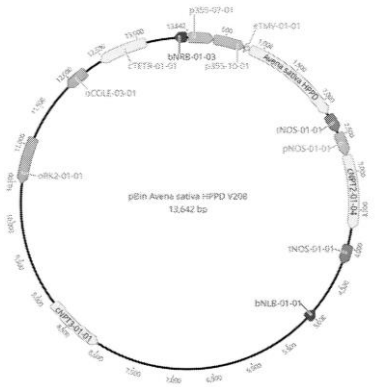


21: 2023/04549. 22: 2023/04/19. 43: 2023/10/26
51: B82Y; C09D; C23C
71: Dickinson Corporation
72: BISHOP, Matthew, BRILL, David Andrew, THOMAS, Abhay V.
33: US 31: 63/129,154 32: 2020-12-22
54: OXYANIONIC TEMPLATES FOR SURFACE REPLICATION
00: -
A method of synthesizing a perimorphic framework by chemical vapor deposition of a perimorph around an oxyanionic template, followed by dissolution of the oxyanionic template in water or in an aqueous weak acid comprising an oxyanion.

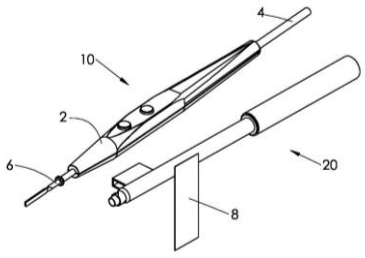


21: 2023/04555. 22: 2023/04/19. 43: 2023/10/26
51: A01N; C12N
71: Syngenta Crop Protection AG
72: DALE, Richard, HORTA SIMOES, Maria Andreia, BLAIN, Rachael Elizabeth, CALLAGHAN, Fiona
33: US 31: 63/119,226 32: 2020-11-30
54: NOVEL HYDROXYPHENYLPYRUVATE DIOXYGENASE POLYPEPTIDES AND METHODS OF USE THEREOF
00: -
Novel hydroxyphenyl pyruvate dioxygenase (HPPD) polypeptides, variants and fragments thereof, as well as polynucleotides encoding the same, capable of conferring commercial levels of conferring HPPD herbicide resistance or tolerance to plants. Compositions include amino acid sequences, and variants and fragments thereof, for HPPD polypeptides, as well as polynucleotides encoding the same. Methods for the production and use of HPPD herbicide resistant plants that express these novel HPPD polypeptides, methods for selectively

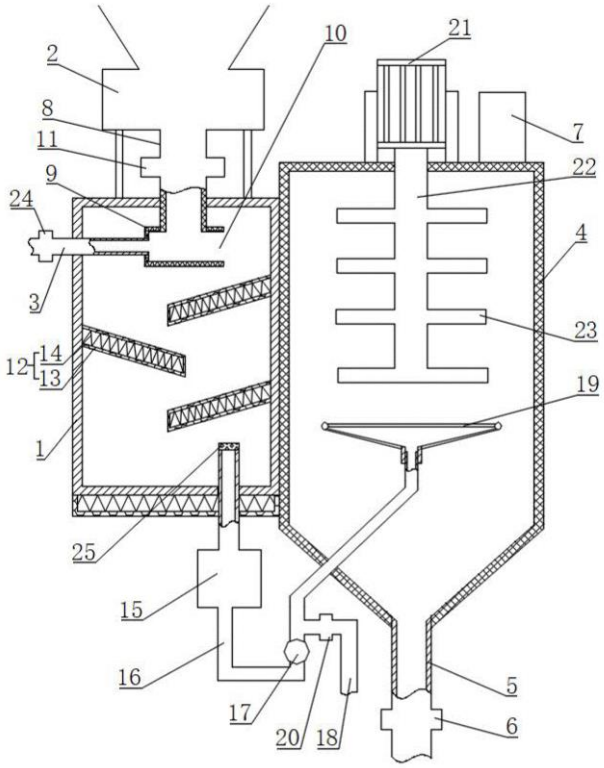
controlling weeds in a field at a crop locus, and methods for characterization, identification and selection of these novel HPPDs are also provided.



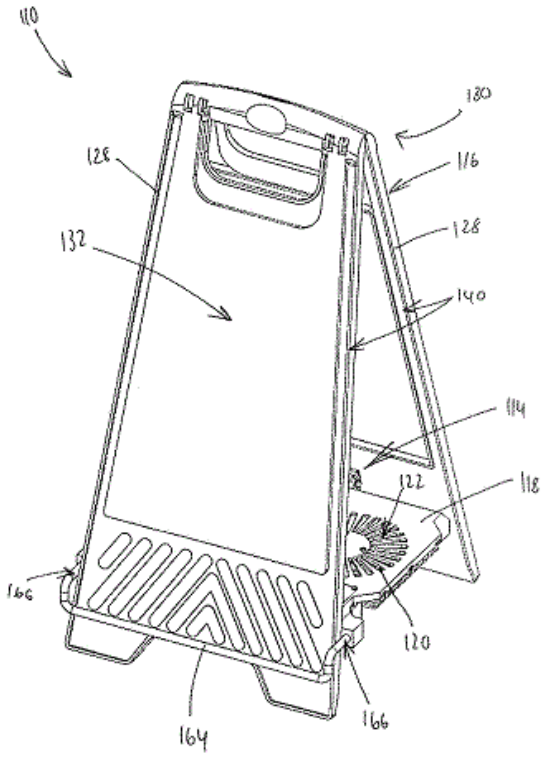
21: 2023/04557. 22: 2023/04/19. 43: 2023/10/26
51: A61B; A61M
71: Pathy Medical, LLC
72: KLEYMAN, Gennady, SILVER, Mikiya
33: US 31: 17/072,331 32: 2020-10-16
54: TELESCOPING SMOKE EVACUATION DEVICE FOR USE WITH HANDHELD SURGICAL INSTRUMENT
00: -
A smoke evacuation device is disclosed for use with a handheld surgical instrument, which includes an elongated tubular body having opposed proximal and distal end portions, wherein the proximal end portion of the tubular body is adapted and configured for communicating with a source of suction and the distal end portion of the tubular body is adapted and configured to intake smoke generated at a surgical site, and attachment means for attaching the tubular body to the handheld surgical instrument.



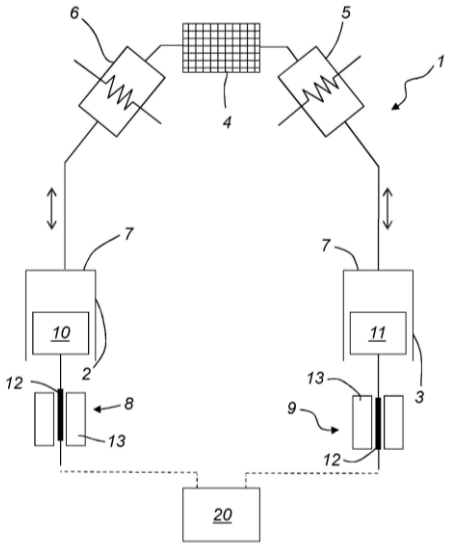
21: 2023/04576. 22: 2023/04/20. 43: 2023/11/22
51: B01F
71: Guizhou Provincial Tea Research Institute
72: Zhang Xiaoqin, Shen Qiang, Luo Jinlong, Jiang Yanyan
33: CN 31: 2023101285036 32: 2023-02-17
54: WATER-SOLUBLE FERTILIZER DILUTING DEVICE
00: -
The invention discloses a water-soluble fertilizer diluting device, which comprises a first diluting component and a second diluting component, wherein the first diluting component comprises a first diluting tank; the first diluting tank is provided with a crushing feeder; the crushing feeder is communicated with the first diluting tank; the first diluting tank is communicated with a water injection pipe; the second diluting component comprises a second diluting tank; the second diluting tank is communicated with the first diluting tank through a feeder; the second diluting tank is provided with a stirrer; the second diluting tank is provided with a liquid discharge port; a liquid discharge pipe is arranged on the liquid discharge port; an electric ball valve C is arranged on the liquid discharge pipe; the second diluting tank is provided with a controller; the crushing feeder, the feeder, the stirrer and the electric ball valve C are all electrically connected with the controller. The device dissolves and dilutes the fertilizer in the first diluting tank and the second diluting tank, so that the fertilizer is dissolved and diluted more thoroughly and is more convenient to use.



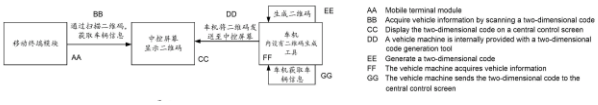
21: 2023/04586. 22: 2023/04/20. 43: 2023/10/26
51: F26B G09F
71: GAWLER, John, Dycer
72: LOUW, Andre
33: ZA 31: 2020/06786 32: 2020-10-30
54: A DRYING APPARATUS
00: -
A drying apparatus (10) including a blower in the form of a fan arrangement (12) for blowing air over a surface to be dried (13), and a mounting arrangement (14) for mounting the fan arrangement (12) on a stand (16) placed in the vicinity of the surface (13) to be dried in order to allow the fan arrangement (12) to blow air over and dry the surface (13).



21: 2023/04613. 22: 2023/04/20. 43: 2023/10/26
51: F02G
71: Azelio AB
72: NILSSON, Martin
33: SE 31: 2051261-2 32: 2020-10-30
54: ALPHA STIRLING ENGINE
00: -
An alpha type Stirling engine (1) comprises an expansion cylinder (2) and a compression cylinder (3), a regenerator (4), a cooler (5), and a heater (6). Each one of the expansion cylinder (2) and the compression cylinder (3) has a movable piston (10, 11) connected to a respective linear electric generator/motor (8, 9), wherein the Stirling engine (1) further comprises a control unit (20) which is operatively connected to the linear electric generators/motors (8, 9) and which is configured to control the linear electric generators/motors (8, 9) individually so as to enable a different stroke length and/or motion profile of the piston (10) in the expansion cylinder (2) compared to the piston (11) in the compression cylinder (3).



21: 2023/04614. 22: 2023/04/20. 43: 2023/10/26
51: H04W
71: Chery Automobile Co., Ltd.
72: ZHOU, Dan, CHEN, Feifeng
33: CN 31: 202011329712.X 32: 2020-11-24
54: SYSTEM AND METHOD FOR ACQUIRING VEHICLE INFORMATION, AND VEHICLE
00: -
The present application provides a system and method for acquiring vehicle information, and a vehicle. The system for acquiring vehicle information comprises a mobile terminal module, a central control screen, and a vehicle machine; a two-dimensional code generation tool is provided in the vehicle machine, and the vehicle machine is configured to acquire vehicle information and generate a corresponding two-dimensional code by means of the two-dimensional code generation tool; the central control screen is in communication connection with the vehicle machine, and the central control screen is configured to acquire and display the two-dimensional code; and the mobile terminal module is configured to acquire the vehicle information by scanning the two-dimensional code, and bind the vehicle on the basis of the vehicle information. According to the technical solution provided in the present application, by the mobile terminal module scanning a code, the vehicle information can be acquired simply and quickly, and the vehicle is bound on the basis of the vehicle information, without the need of manually inputting the vehicle information, thus simplifying the user operation, and increasing the efficiency of acquiring the vehicle information, thereby increasing the efficiency of vehicle binding, and improving the user experience.



21: 2023/04642. 22: 2023/04/21. 43: 2023/10/26
51: G06F
71: ZTE CORPORATION
72: ZHENG, Xingquan, WANG, Aijun, YU, Zhen
33: CN 31: 202011002790.9 32: 2020-09-22
54: DATA MANAGEMENT METHOD, DATA MANAGEMENT APPARATUS, AND STORAGE MEDIUM
00: -
A data management method, a data management apparatus, and a storage medium, the data management method being applied to a massively parallel processing database (MPPDB). The data management method comprises: on the basis of a query request from the user, obtaining query behavior information of a user querying an MPPDB (S100); on the basis of the query behavior information, generating a storage prediction model by means of machine learning, and obtaining a predicted storage state of the MPPDB according to the storage prediction model (S200); and adjusting a storage partition in the MPPDB on the basis of the predicted storage state (S300).

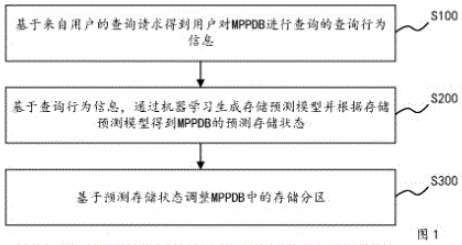


图 1

S100 On the basis of a query request from the user, obtain query behavior information of a user querying an MPPDB
S200 On the basis of the query behavior information, generate a storage prediction model by means of machine learning, and obtain a predicted storage state of the MPPDB according to the storage prediction model
S300 Adjust a storage partition in the MPPDB on the basis of the predicted storage state

21: 2023/04643. 22: 2023/04/21. 43: 2023/10/26
51: B01D; C02F; E03F
71: ECO CLARITY LTD.
72: CLEMES, Christopher Charles
33: ZA 31: 2020/05234 32: 2020-10-21

54: A FOG (FATS, OIL, OR GREASE) SEPARATOR APPARATUS

00: -

A FOG (Fats, Oil, or Grease) separator apparatus includes (1) a first reservoir or chamber having a wastewater inlet configured to receive wastewater containing FOG; (2) a second reservoir or chamber which is separated from the first reservoir by a first 5 weir configured to permit overflow of at least FOG from the first reservoir to the second reservoir; and (3) a third reservoir or chamber separated from the second reservoir by a second weir configured to permit overflow of at least FOG from the second reservoir to the third reservoir.

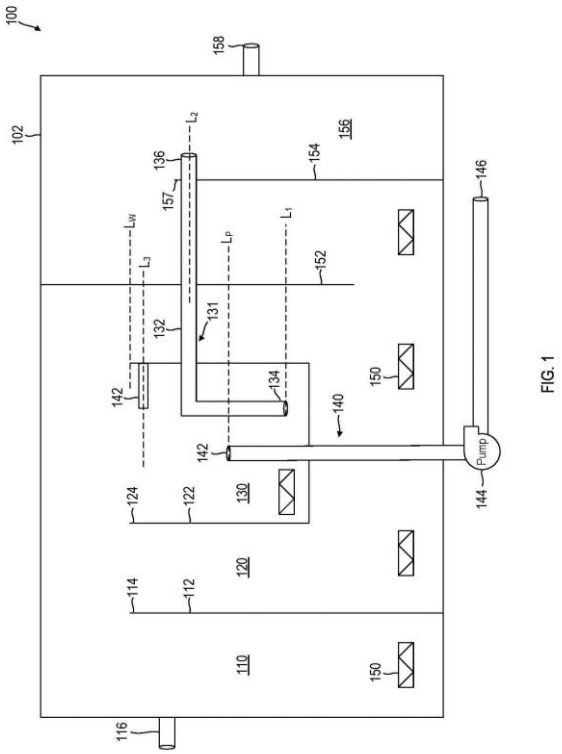


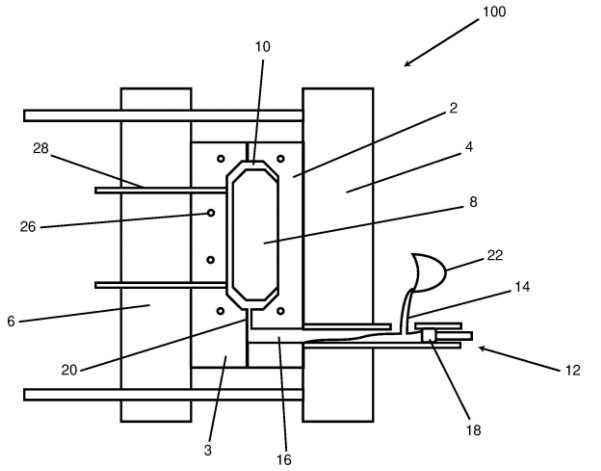
FIG. 1

21: 2023/04648. 22: 2023/04/21. 43: 2023/10/26
51: B22C; B22D; B33Y
71: Foseco International Limited
72: HAANAPPEL, Vincent, LINKE, Thomas
33: PCT/EP(GB) 31: 2020/079890 32: 2020-10-23

54: COMPOSITION, CORE AND MOULD FOR CASTING AND MOULDING PROCESSES

00: -

A composition for making a core for use in a moulding or casting process, a core comprising said composition, and a mould for producing an article by high pressure die casting or semi-solid casting. The composition comprises a particulate refractory material, a binder composition comprising at least one hydrophilic polymer, comprising at least one polysaccharide or polysaccharide derivative; and at least one pozzolanic additive. The mould comprises a core for defining an internal cavity of the article and the core comprises a solidified core composition. The solidified core composition comprises a particulate refractory material and a binder composition, degrades in water such that a cylinder of the solidified core composition having a maximum height of 80 mm and a maximum diameter of 50 mm disintegrates in no more than 10 minutes when immersed in water at a temperature of 20 °C and stirred at a speed of 60 rpm, and has a flexural strength of at least 300 N/cm^2. The invention also resides in a method for producing an article by high pressure die casting or semi-solid casting.



21: 2023/04654. 22: 2023/04/21. 43: 2023/10/26
51: E21B
71: Good Water Holdings Pty Ltd
72: STRANGE, Warren Ross
33: AU 31: 2020903569 32: 2020-10-02

54: CENTRE BYPASS MUD HAMMER

00: -

The present disclosure is directed to a mud hammer comprising: a piston barrel including at least one exhaust port configured to receive a single flow of drilling fluid including drilling mud; a piston positioned within the piston barrel and configured to move in a reciprocating motion operated by a first portion of the drilling fluid; a bypass tube disposed through the piston and in fluid communication with a drill bit; an adjustable valving set configured to divert

a second portion of the drilling fluid into the bypass tube; and a wear sleeve positioned to prevent contact between the piston and the piston barrel; wherein the second portion of the drilling fluid diverted into the bypass tube is exhausted from the drill bit and the first portion of drilling fluid is exhausted from the piston barrel via the exhaust port, in a direction away from the drill bit.

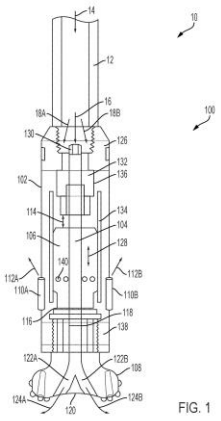


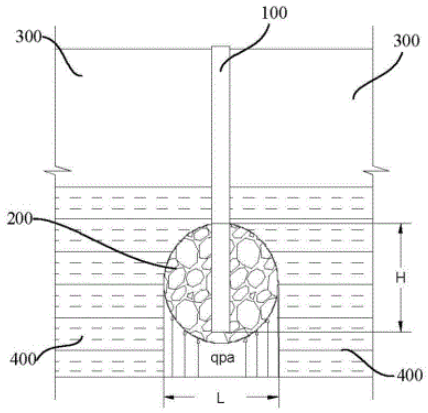
FIG. 1

21: 2023/04670. 22: 2023/04/24. 43: 2023/10/25
51: E02D
71: THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU
72: CHAI, Da, WEI, Lixin, LIN, Zhende, LI, Pengcheng, LUO, Yongxing

54: CONSTRUCTION METHOD FOR FINISHING DRILLING OF HOLE FOR ROTARY DRILLING PILE IN LONESTONE

00: -

Disclosed is a constuction method for finishing drilling of hole for a rotary digging pile in a lonestone, including the following steps: acquiring a horizontal projection area of the lonestone according to a single pile bearing capacity characteristic value of the rotary digging pile and a pile end bearing capacity characteristic value of the rotary digging pile; acquiring a depth of the rotary digging pile entering the lonestone according to the horizontal projection area of the lonestone; and finishing drilling of hole for the rotary digging pile in the lonestone. According to the technical solution of the present invention, by finishing drilling of hole for the rotary digging pile in the lonestone under the condition that the rotary digging pile meets the requirement of bearing capacity, a large drilling volume to drill through the lonestone is not needed, so that it is beneficial to saving investment of manpower material resources and lowering the projection construction cost.



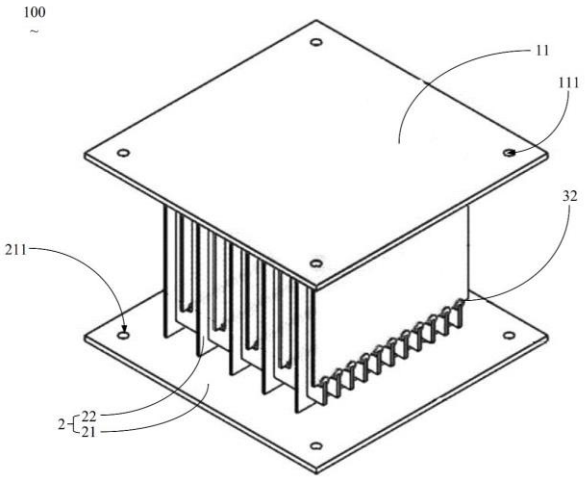
21: 2023/04671. 22: 2023/04/24. 43: 2023/10/25
51: E04B
71: THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU
72: MA, Guoliang, XIANG, Rong, FENG, Jiaqiang, LI, Yulin, AN, Huili

54: SWING TYPE SEISMIC ISOLATION SUPPORT

00: -

Provided is a swing type seismic isolation support, including a first bracket, a second bracket and connecting assemblies. The first bracket includes a first support plate and first truss plates connected to each other, wherein the first support plate is used for supporting a construction, and the second bracket includes a second support plate and second truss plates connected to each other; each of the connecting assemblies includes a swing plate and rolling bearings, wherein the swing plate includes a plurality of top end open slots and bottom end open slots formed at an interval in a staggered manner, the quantity of the rolling bearings needs to be calculated and determined according to the weight of the construction, and the plurality of rolling bearings are respectively installed at the top end open slots and the bottom end open slots; one side of each of the first truss plates away from the first support plate

is inserted into a corresponding one of the top end open slots and is clamped or welded with a corresponding one of the rolling bearings, and one side of each of the second truss plates away from the second support plate is inserted into a corresponding one of the bottom end open slots and is clamped or welded with a corresponding one of the rolling bearings. The swing type seismic isolation support is capable of reducing or isolating shock and is capable of generating a restoring force by means of the self weight of the construction or a device to have automatic restoring capacity.



21: 2023/04672. 22: 2023/04/24. 43: 2023/10/25
51: E04B
71: THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU
72: LIU, Shengyan, AN, Huili, ZHAO, Shibo, WEN, Zhipeng, XIANG, Rong, LI, Yulin, XING, Xiangnan, LIU, Guoyi, YANG, Dengbo, LI, Jinghui, ZHANG, Tao, DENG, Zhiyi, WANG, Fei, FANG, Ping

54: CONSTRUCTION METHOD FOR CLIMBING SCAFFOLDING FOR COMPLEX FAÇADE OF SUPER HIGH-RISE BUILDING

00: -

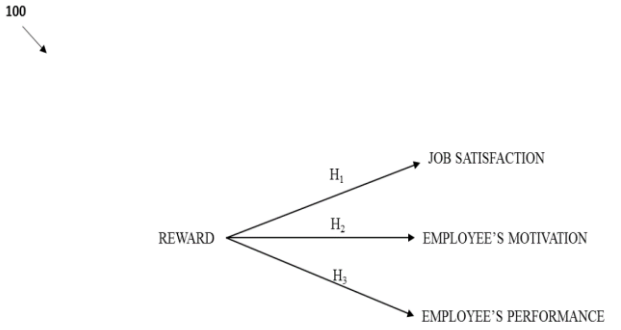
Disclosed is a construction method for a climbing scaffolding for a complex facade of a super high-rise building. In the present invention, by studying the construction technique of a variable section attached lifting scaffold for a super high-rise structure, a standard wall-attached support system is optimized and construction of a variable structure outer frame of a tower is changed into construction of the attached lifting scaffold, so that great convenience is brought to field construction and operation, and the construction quality is also guaranteed. Moreover, an aluminum formwork can be built rapidly, the number of roof formworks decreases, and the transfer efficiency of other materials is high, so that the construction period can be shortened effectively. Through deepening design in earlier stage, construction of small buttresses and lintels and the construction content of secondary plastering are reduced, so that the construction cost can be lowered effectively. By means of techniques of entire cast-in-situ exterior walls, primary shaping of tube wells and the like, the secondary construction cost in later period is lowered greatly, and meanwhile, rapid alternation for processes can be realized, so that the construction efficiency is improved, the integral construction safety is also improved, and the personal safety of related workers is guaranteed.

21: 2023/04684. 22: 2023/04/24. 43: 2023/10/25
51: G06Q
71: Dr. Subhadeep Chakraborty, Dr. Veena Grover, Dr. Aradhana Borthakur, Dr. Debyani Roy Bhowmick, Dr. Monika Bisht, Bijita Saikia, Dr. Murchana Gogoi, Ritu Singh
72: Dr. Subhadeep Chakraborty, Dr. Veena Grover, Dr. Aradhana Borthakur, Dr. Debyani Roy Bhowmick, Dr. Monika Bisht, Bijita Saikia, Dr. Murchana Gogoi, Ritu Singh

54: A METHOD FOR ANALYSING MEDIATING ROLE OF REWARD IN JOB SATISFACTION AND MOTIVATING EMPLOYEES PERFORMANCE

00: -

The present invention relates to a method (100) for analysing mediating role of reward in job satisfaction and motivating employee's performance. The method (100) comprises collect data on job satisfaction, reward, and employee motivation for a sample of employees; conduct a correlation analysis to determine the relationships between job satisfaction, reward, and employee motivation; conduct a mediation analysis to determine whether reward mediates the relationship between job satisfaction and employee motivation; study the conducted information; interpret the results of the mediation analysis to draw conclusions about the mediating role of reward in job satisfaction and motivating employees' performance; display the results of the mediation analysis on a computer screen or other suitable device.

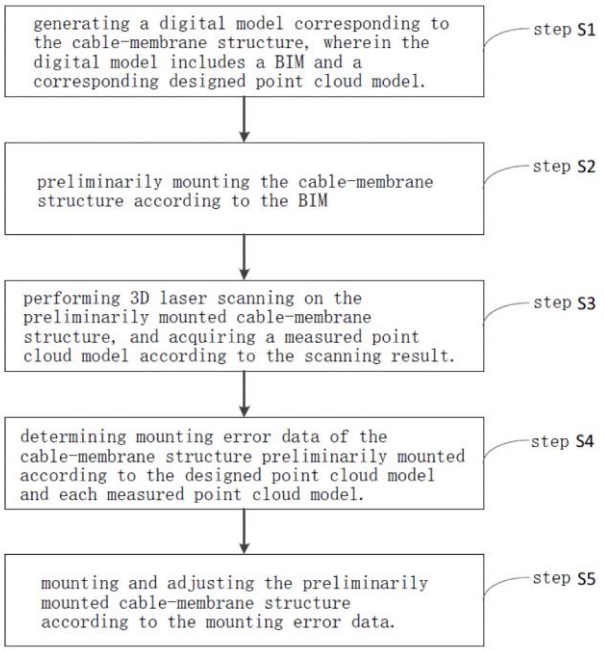


21: 2023/04688. 22: 2023/04/24. 43: 2023/10/26
51: E04B; E04G
71: China Railway Construction Corporation (International) Limited
72: Yang Wei, Zhang Jian, Huang Taorui, Wang Lei, Liu Dawei, Tang Xinquan, Zheng Tianli, Yuan Chao, Ma Gaofeng, Li Bai, Shen Jiayong
33: CN 31: 202210848495.8 32: 2022-07-19

54: METHOD FOR MOUNTING AND CONTROLLING CABLE-MEMBRANE STRUCTURE

00: -

The present invention provides a method for mounting and controlling a cable-membrane structure. The method comprises: generating a digital model corresponding to the cable-membrane structure, wherein the digital model includes a BIM and a corresponding designed point cloud model; preliminarily mounting the cable-membrane structure according to the BIM; performing three-dimensional (3D) laser scanning on the preliminarily mounted cable-membrane structure, and acquiring a measured point cloud model according to the scanning result; determining mounting error data of the cable-membrane structure preliminarily mounted according to the designed point cloud model and the measured point cloud model; and mounting and adjusting the preliminarily mounted cable-membrane structure according to the mounting error data. The method provided by the present invention has the advantages of realizing precision control for the cable-membrane structure during mounting, and effectively improving the mounting precision and the mounting efficiency of the cable-membrane structure.



21: 2023/04698. 22: 2023/04/24. 43: 2023/10/26
51: A01N; C01B; A01P
71: DOSHI, Hiteshkumar Anilkant
72: DOSHI, Hiteshkumar Anilkant
33: IN 31: 202021035357 32: 2020-08-17

54: PESTICIDAL COMPOSITION COMPRISING ELEMENTAL SULPHUR AND CHOLINE SALT OF PELARGONIC ACID

00: -

The present invention relate to a pesticidal composition comprising elemental sulphur, choline salt of pelargonic acid, and atleast one agrochemically acceptable excipient. The invention particularly relate to a pesticidal composition comprising elemental sulphur in the range of 1%w/w to 95% w/w of the total composition; choline salt of pelargonic acid present in the range of 0.01% to 50% w/w of the total composition; and at least one agrochemically acceptable excipient. The pesticidal composition comprises particles in the size range of 0.1 micron to 50 microns. The present invention also relates to process of preparation of the pesticidal composition. The invention relates to a method of treating a plant, crop, plant propagation material, locus or parts thereof, a seed, seedling or surrounding soil with a pesticidal composition.

21: 2023/04699. 22: 2023/04/24. 43: 2023/10/26
51: A01N; C01B; A01P
71: DOSHI, Hiteshkumar Anilkant

72: DOSHI, Hiteshkumar Anilkant
33: IN 31: IN202021041292 32: 2020-09-23
54: PESTICIDAL COMPOSITION COMPRISING ELEMENTAL SULPHUR AND FLUPYRADIFURONE
00: -
The present invention relates to a pesticidal composition comprising elemental sulphur, flupyradifurone; and at least one agrochemically acceptable excipient. The invention particularly relates to a pesticidal composition comprising elemental sulphur in the range of 1%w/w to 95% w/w of the total composition; flupyradifurone present in the range of 0.01% to 70% w/w of the total composition; and at least one agrochemically acceptable excipient. The composition comprises particles in the size range of 0.1 micron to 50 microns. The present invention also relates to process of preparation of the pesticidal composition. The invention relates to a method of treating a plant, crop, plant propagation material, locus or parts thereof, a seed, seedling or surrounding soil with a pesticidal composition.

21: 2023/04706. 22: 2023/04/24. 43: 2023/10/26
51: E02B
71: TUBE FISHWAYS PTY. LTD.
72: HARRIS, John Hamlyn, FELDER, Stefan Markus, PEIRSON, William Leslie
33: AU 31: 2020244510 32: 2020-09-30
54: FISH TRANSFER SYSTEM AND METHOD
00: -
Disclosed is a system and method for transferring fish past a barrier between an upper and lower body of water, including an inlet conduit 11 connecting the upper body to a transfer chamber13 adjacent the lower body, a delivery conduit 15 connecting the transfer chamber 13 to a level above the surface of the upper body, a valve 12 between the inlet conduit and the transfer chamber, and a gate 14 between the transfer chamber 13 and the lower body. The inlet conduit 11 holds sufficient water so that, once the gate 14 is closed and the valve 12 is opened, fish in the transfer chamber 13 are transported with the water in the transfer chamber through the delivery conduit 15 to an outlet 16.

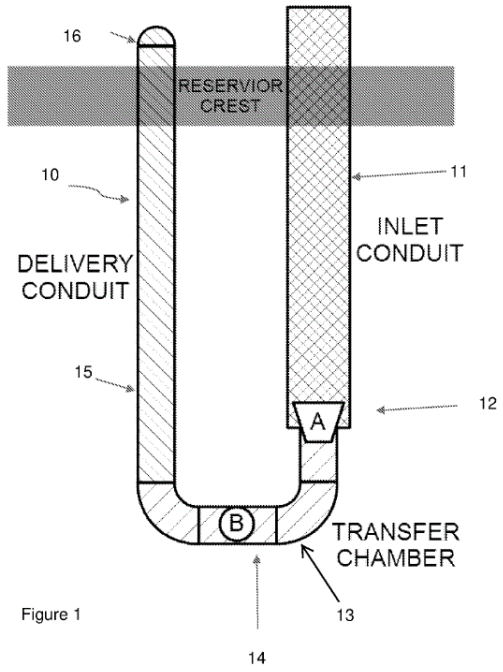
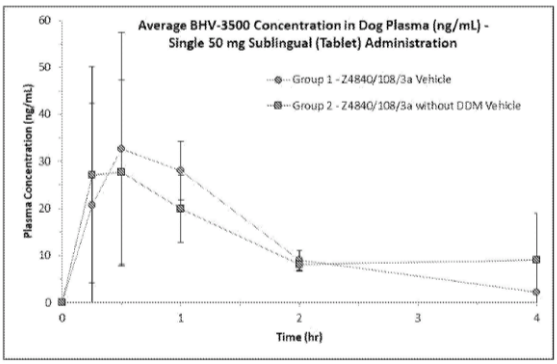
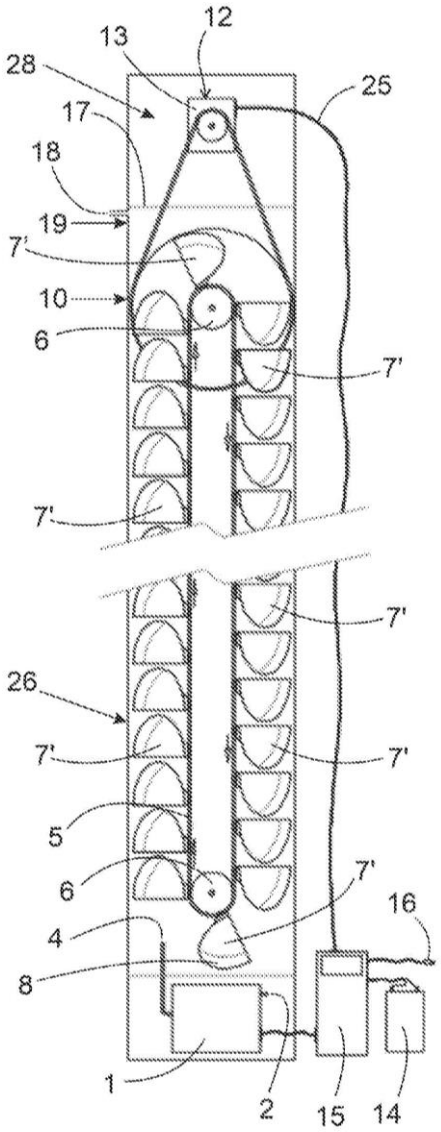


Figure 1

21: 2023/04727. 22: 2023/04/24. 43: 2023/10/26
51: A61K
71: Pfizer Ireland Pharmaceuticals
72: CONWAY, Charles M., DUBOWCHIK, Gene M., KUMAR, Rajesh
33: US 31: 63/115,789 32: 2020-11-19
54: COMPOSITIONS FOR IMPROVED DELIVERY OF CGRP INHIBITORS
00: -
Provided is a pharmaceutical composition including a calcitonin gene-related peptide (CGRP) inhibitor and an absorption increasing amount of a pharmaceutically acceptable substance, such as a carbohydrate surfactant. Also provided is a method for increasing bioavailability of a calcitonin gene-related peptide (CGRP) inhibitor in a subject, including orally administering to increase the bioavailability of the CGRP inhibitor in the subject.



21: 2023/04728. 22: 2023/04/24. 43: 2023/10/26
51: C25B
71: WS SLOT SA
72: CUARTERO GARCIA-MORATO, Ricardo
33: EP(CH) 31: 20208730.0 32: 2020-11-19
54: APPARATUS FOR THE ELECTROLYTIC PRODUCTION OF HYDROGEN
00: -
The invention concerns an apparatus for the electrolytic production of hydrogen comprising: - a first chamber (26) filled with water; - a lower part (23); - an upper part (28); - a gas production unit (1) located within the lower part (23) and including an electrolytic cell and a hydrogen nozzle (4); - an electric generator (12) located within the upper part (28); - a first driving mechanism (5-9) located within the first chamber (26); - a hydrogen outlet (18) located in the top part of the first chamber (26); the first chamber (26) being located between the lower and upper parts (23,28) and communicating with the gas unit (1) via the hydrogen nozzle (4), in such a way that hydrogen bubbles may be generated within the water of the first chamber (26) and be directed in an upwards direction due to the buoyancy force acting on the bubbles; the first driving mechanism (5-9) being adapted to be actuated by ascending bubbles; the generator (12) being adapted to be actuated by the first driving mechanism (5-9); and the electrolytic cell being connected to the electric generator (12). The invention also concerns a method for the production of hydrogen comprising the following steps: - generating hydrogen in water via electrolysis, - actuating an upwardly oriented driving mechanism with hydrogen bubbles generated during said electrolysis, - converting the mechanical energy of the driving mechanism into an electrical energy, - using said electrical energy for said electrolysis.



21: 2023/04752. 22: 2023/04/25. 43: 2023/10/30
51: F16C F16B
71: EVG ENTWICKLUNGS- U. VERWERTUNGS-GESELLSCHAFT M.B.H.
72: POTOCNIK, Wolfgang
33: EP 31: 22170568.4 32: 2022-04-28
54: DEVICE FOR SETTING A SPECIFIC OPERATING POSITION OF AN APPARATUS COMPONENT AND METHOD THEREFOR
00: -
The invention relates to a device (1) for setting a specific operating position of an apparatus component (2), such as a wire feed of a welding

installation (3), wherein the apparatus component (2) can be moved, in particular displaced, to set the specific operating position and, after being moved into the specific operating position, can be fixed in place in said position for operation.

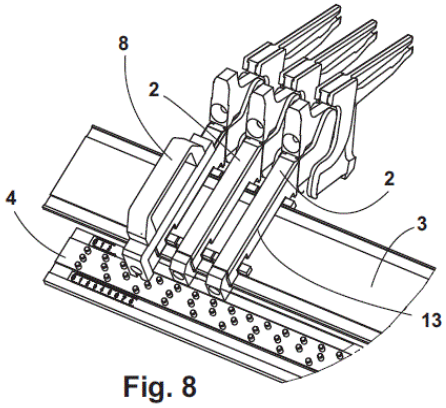
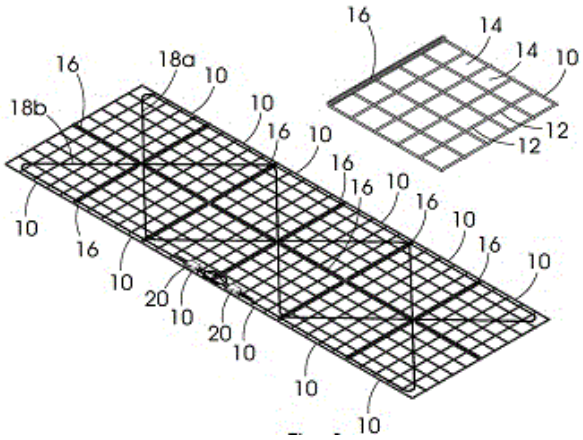


Fig. 8

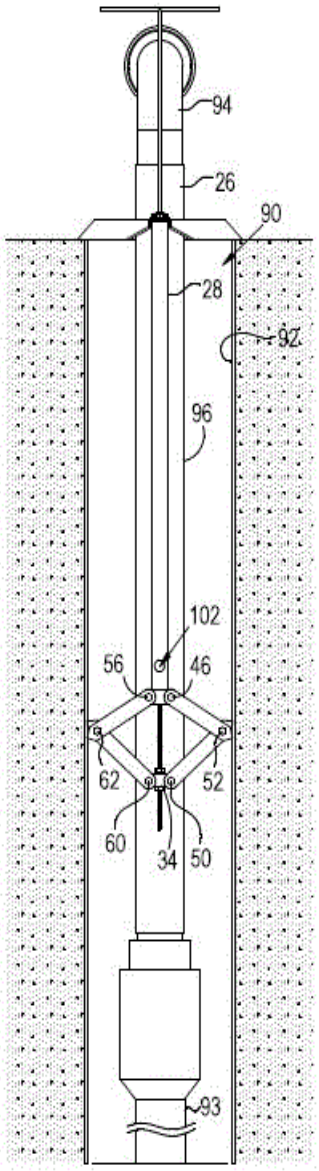
21: 2023/04757. 22: 2023/04/25. 43: 2023/10/30
51: E02D; E21D
71: MINEABLE CONCEPTS (PTY) LTD
72: RAKUMAKOE, OBAKENG
33: ZA 31: 2022/05353 32: 2022-05-16
54: A MINE SUPPORT WELDED MESH SYSTEM
00: -

A mine support mesh system includes a plurality of mesh panels each comprised of a plurality of wires connected to one another to form a mesh structure for each panel, the mesh structure including a plurality of apertures in each panel. A plurality of panel connectors connects each mesh panel to at least one other mesh panel so that connected mesh panels are moveable between an open position where they are positioned next to one another and a closed position where they are positioned on top of the other. At least one lacing cable is woven through the apertures of the plurality of mesh panels. A clamping device is used to clamp the lacing cable to itself to create a closed loop so that the lacing cables cannot be removed from the plurality of mesh panels.



21: 2023/04758. 22: 2023/04/25. 43: 2023/10/30
51: E21B
71: VAN SCHALKWYK, Hermanus Richard
72: VAN SCHALKWYK, Hermanus Richard
33: ZA 31: 2021/08324 32: 2022-04-28
54: Borehole Accessory
00: -

The invention provides a method of inhibiting unauthorised access to a borehole by releasably locking a barrier arrangement in the borehole. It further relates to a borehole accessory (10) which includes a barrier arrangement (12) and a support structure (14). The barrier arrangement (12) is displaceable between a retracted configuration in which it can be inserted into a borehole and an expanded configuration in which it is releasably locked in the borehole to prevent unauthorised access to the borehole and in particular to a pump and electric motor located in the borehole.

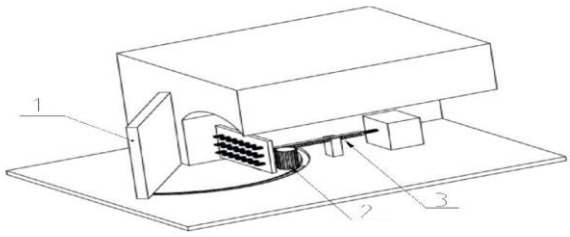


21: 2023/04759. 22: 2023/04/25. 43: 2023/10/30
51: E21F
71: Changsha Institute of Mining Research, Co., Ltd
72: Chang Liu, Zeyang Guo, Yinghua Huang, Min Qin, Zhen Li, Weiming Li, Huansha He, Guanying Lv, Xiaoming Niu, Liang Zhao
33: CN 31: 2022114616263 32: 2022-11-17

54: A GOAF PLUGGING DEVICE CAPABLE OF AUTOMATICALLY ADJUSTING OPENING AND CLOSING STATE AND INSTALLATION METHOD THEREOF

00: -

The invention discloses a goaf plugging device capable of automatically adjusting an opening and closing state and an installation method thereof. The device comprises a rigid door panel, a gear drive component and an elastic buffer component; the elastic buffer component is disposed along a length direction of a roadway, with compression springs arranged on the front end and an extension spring arranged on the rear end; the rigid door panel has a plane size greater than a section size of the roadway, and is arranged in front of the elastic buffer component in an opening and closing manner; an input member of the gear drive component is connected with a bottom of the rigid door panel, and an output member is engaged with the elastic buffer component. Under normal circumstances, the rigid door panel is open, which does not affect the drainage of a goaf. When an air shock wave generated in the goaf acts on the rigid door panel to make it rotate outwards, the gear drive component drives the elastic buffer component to move towards the rigid door panel; and when the rigid door panel rotates to seal the roadway, the elastic buffer component acts as a buffer for the rigid door panel. After the shock wave disappears, the elastic buffer component resets and reversely drives the gear drive component, causing the rigid door panel to open and reset.



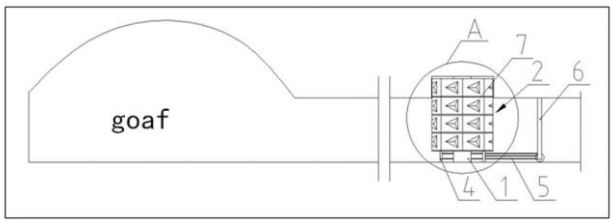
21: 2023/04760. 22: 2023/04/25. 43: 2023/10/30
51: E21F
71: Changsha Institute of Mining Research, Co., Ltd
72: Zeyang Guo, Chang Liu, Min Qin, Weiming Li, Huansha He, Guanying Lv, Cong Huang, Zhen Li, Guanglu Qi, Liang Zhao, Yuning Guo, Ruifeng Ma
33: CN 31: 2022110331325 32: 2022-08-26

54: AN AUTOMATIC GOAF PLUGGING DEVICE AND CONSTRUCTION METHOD AND APPLICATION METHOD THEREOF

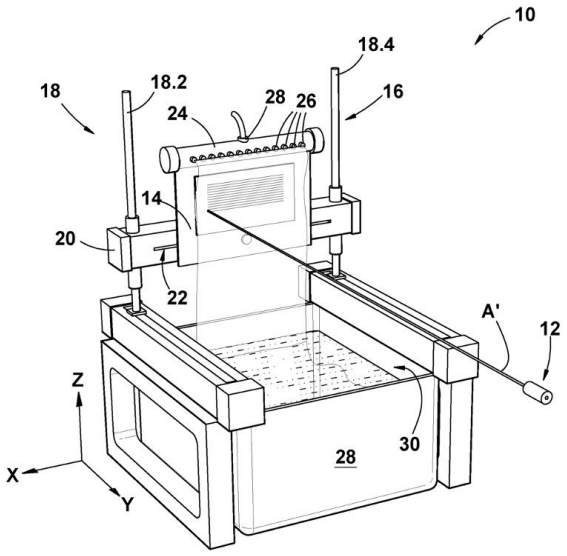
00: -

The invention discloses an automatic goaf plugging device and a construction method and application method thereof. The device comprises a cylindrical shaft, a plugging main body, a metal base, hydraulic

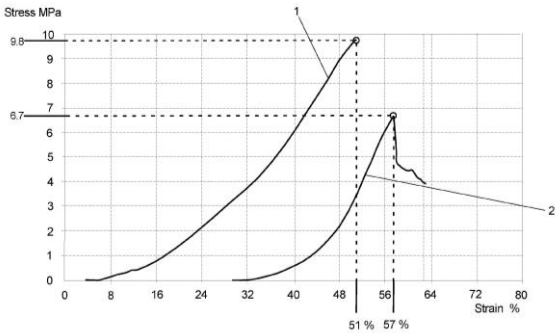
props, horizontal pull rods and a metal baffle; a height of the cylindrical shaft is greater than a height of a roadway; the plugging main body is a cylinder having a diameter greater than that of a roadway section, and a lower end of the plugging main body is provided with the metal base having the same plane size; the plugging main body and the metal base are sleeved outside the cylindrical shaft in a clearance fit manner; a plurality of hydraulic props are supported under the metal base, and each hydraulic prop can horizontally slide in the same direction; the metal baffle is arranged on an outer side of the plugging main body in a horizontally movable manner, the horizontal pull rods are connected between the hydraulic props and the metal baffle; unit sections of the plugging main body are assembled and formed by prefabricated wedge bodies; and an outer surface of the plugging main body is provided with a plurality of circles of curved grooves arranged in the same direction. Under normal conditions, water is drained through a bottom space supported by hydraulic props and rollers. During the collapse, the metal baffle first moves backward to dissipate energy, then the plugging main body falls down for plugging, and the plugging main body rotates to dissipate energy.



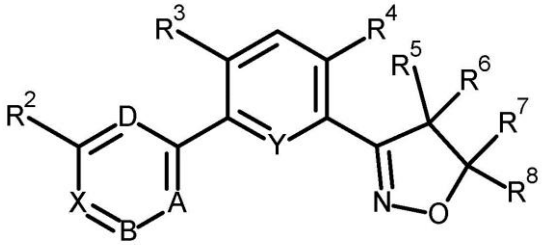
21: 2023/04770. 22: 2023/04/25. 43: 2023/12/08
51: B01J; B23K
71: UNIVERSITY OF SOUTH AFRICA
72: MAAZA, MALEK, KHAMLICH, SALEH
33: ZA 31: 2020/06082 32: 2020-10-01
54: METHOD OF PRODUCING A NANOFLUID USING LASER ABLATION, CORRESPONDING NANOFLUID AND LASER ABLATION SYSTEM FOR MANUFACTURING NANOFLUIDS
00: -
This invention relates to a method of producing nanofluid (30) which includes laser ablating a target (14) on a surface of which a liquid is flowing. The method includes the step of moving the target (14) and a laser beam (A1) relative to each other. The method further includes the step of moving the target (14) relative to the laser beam (A1) such that the laser beam (A1) scans across the surface of the target in the X or Z direction when the laser beam (A1) is oriented in the Y direction and the target (14) faces the laser beam (A1). Corresponding apparatus is also defined, and a nanofluid manufactured according to the method.



21: 2023/04774. 22: 2023/04/25. 43: 2023/10/30
51: A61F; A61L
71: GrOwnValve GmbH
72: SCHMITT, Boris
33: EP(DE) 31: 20213210.6 32: 2020-12-10
54: CARDIAC VALVE PROSTHESIS
00: -
The present invention relates to a cardiac valve prosthesis, obtainable by a method comprising the following steps: a) providing human or animal body tissue, b) shaping the body tissue in a shaping process to give the body tissue a shape and size of a cardiac valve, c) fixation and stabilization of the body tissue by a cross-linking agent, thereby preserving the shape given to the body tissue by the shaping process and thus obtaining a cardiac valve prosthesis. In this context, the cross-linking agent comprises at least one compound having a structure according to general formula (I).



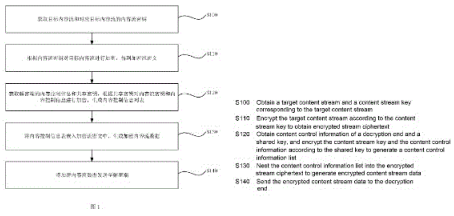
21: 2023/04775. 22: 2023/04/25. 43: 2023/10/30
51: A01N; C07D
71: Syngenta Crop Protection AG
72: WHITTINGHAM, William Guy, WILLIAMS, John
33: EP(CH) 31: 20209638.4 32: 2020-11-24
54: HERBICIDAL COMPOUNDS
00: -
Compounds of the formula (I) wherein the substituents are as defined in claim 1, useful as a pesticides, especially as herbicides.



(I)

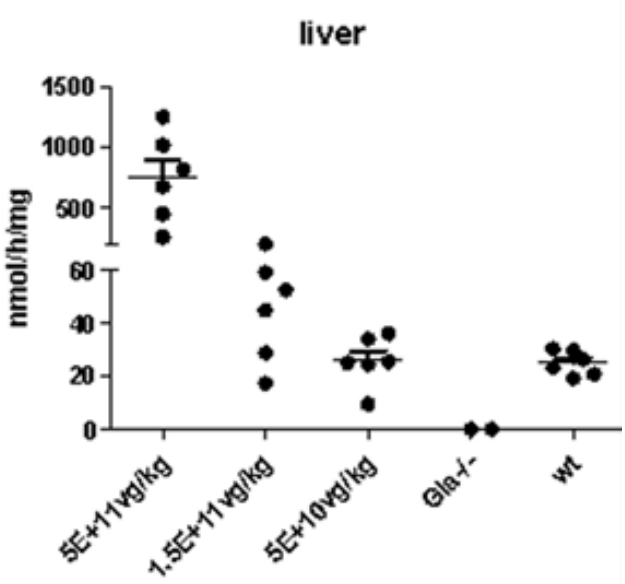
21: 2023/04828. 22: 2023/04/26. 43: 2023/10/30
51: A61B; G01N
71: F. Hoffmann-La Roche AG
72: STECK, Alexander
33: EP(CH) 31: 20208847.2 32: 2020-11-20
54: FLUX-LIMITING POLYMER MEMBRANE
00: -
The present invention generally relates to a flux-limiting polymer membrane for an analyte sensor and to an analyte sensor comprising a flux-limiting polymer membrane.

21: 2023/04858. 22: 2023/04/28. 43: 2023/11/01
51: H04L
71: SHENZHEN NATIONAL ENGINEERING LABORATORY OF DIGITAL TELEVISION CO., LTD.
72: YU, Xiaolong, LI, Xinguo, CHANG, Lin, WU, Yujie, XU, Linyu, GONG, Jun
33: CN 31: 202011465857.2 32: 2020-12-14
54: INTERFACE DATA TRANSMISSION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM
00: -
The present invention relates to the technical field of digital televisions. Disclosed are an interface data transmission method and apparatus, an electronic device, and a storage medium. The interface data transmission method comprises: obtaining a target content stream and a content stream key corresponding to the target content stream; encrypting the target content stream according to the content stream key to obtain encrypted stream ciphertext; obtaining content control information of a decryption end and a shared key, and encrypting the content stream key and the content control information according to the shared key to generate a content control information list; nesting the content control information list into the encrypted stream ciphertext to generate encrypted content stream data; and sending the encrypted content stream data to the decryption end. The interface data transmission method can realize flexible management of multi-stream transmission of interface data, reduce the time consumed, and achieve high fault tolerance.



21: 2023/04877. 22: 2023/04/28. 43: 2023/11/01
51: A61K; C07K; C12N; A61P
71: BEIJING SOLOBIO GENETECHNOLOGY CO., LTD.
72: ZHANG, Tingting, WANG, Chao
33: CN 31: PCT/CN2020/129001 32: 2020-11-16
54: RECOMBINANT ADENO-ASSOCIATED VIRUSES WITH ENHANCED LIVER TROPISM AND USES THEREOF
00: -
Recombinant adenovirus-associated viruses are described. The recombinant adenovirus-associated viruses may comprise a capsid protein with

enhanced tropism for liver cells. The recombinant adenovirus-associated viruses may also exhibit less immunogenicity in humans. The recombinant adenovirus-associated viruses may comprise expression cassettes comprising a polynucleotide sequence encoding a therapeutic agent useful in gene therapy treatment of a liver disease. Preparation systems for packaging the recombinant adenovirus-associated viruses, methods of producing the recombinant adenovirus-associated viruses, pharmaceutical compositions comprising the recombinant adenovirus-associated viruses, and uses of said compositions for treating liver diseases including Fabry disease and Hepatitis B, are also provided.

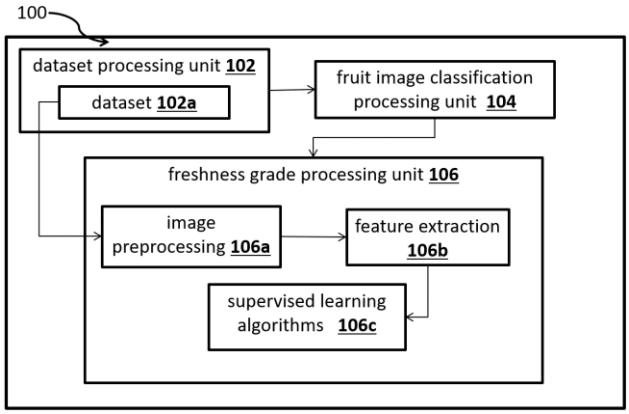


21: 2023/04889. 22: 2023/05/02. 43: 2023/12/11
51: A23L
71: Dr. Kriti Srivastava, Jash Chintan Bhatia, Jainam Rajput, Hardik Gupta, Pradnya Saval, Dr. Hari Vasudevan
72: Dr. Kriti Srivastava, Jash Chintan Bhatia, Jainam Rajput, Hardik Gupta, Pradnya Saval, Dr. Hari Vasudevan

54: A SYSTEM AND METHOD FOR EVALUATING THE FRESHNESS OF FRUITS USING MACHINE LEARNING TECHNIQUES

00: -

The present disclosure relates to a system and method for evaluating the freshness of fruits using machine learning techniques. The proposed invention evaluates the freshness of fruits by using machine learning techniques. Fruit images have been divided into three groups using YOLO V5: apples, bananas, and tomatoes. Then, using a range of image processing and feature extraction techniques, 26 features were recovered from the images. The freshness of each fruit kind was rated using supervised learning algorithms based on these features. The system graded the freshness of various fruits with high accuracy. SVM had a classification accuracy of 94% for fresh and not-fresh apples, while Random Forest had a classification accuracy of 68% for several ripeness grading categories. For varied levels of ripeness in bananas, KNN achieved 93% accuracy, and for tomatoes, Random Forest Classifier achieved 89% accuracy.



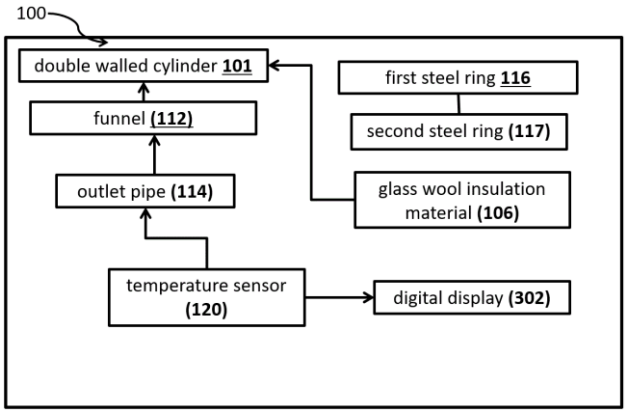
21: 2023/04890. 22: 2023/05/02. 43: 2023/12/11
51: B29B
71: T. RAGHUNATHAN, S. SARAVANA PRIYA
72: T. RAGHUNATHAN, S. SARAVANA PRIYA

54: AN APPARATUS TO MELT PLASTIC AND A METHOD THEREOF

00: -

The present disclosure discloses an apparatus (100) to melt plastic. The apparatus (100) includes a double walled cylinder (101), a funnel (112) placed inside, a first steel ring (116), a second steel ring (117). A glass wool insulation material (106) is filled between walls of the double walled steel cylinder. An outlet pipe (114) of the funnel (112) is inclined with 20° with respect to a vertical axis of the steel funnel. A temperature sensor (120) connected with the outlet pipe (114) of the funnel (112), wherein the temperature sensor (120) monitors a temperature at the outlet pipe (114) of the funnel (112). A digital display (302) connected with the temperature sensor (120) and display an indication when the

temperature monitored by the temperature sensor (120) is above or equal to 200°C, wherein the digital display (302) is mounted at the middle of the double walled cylinder.

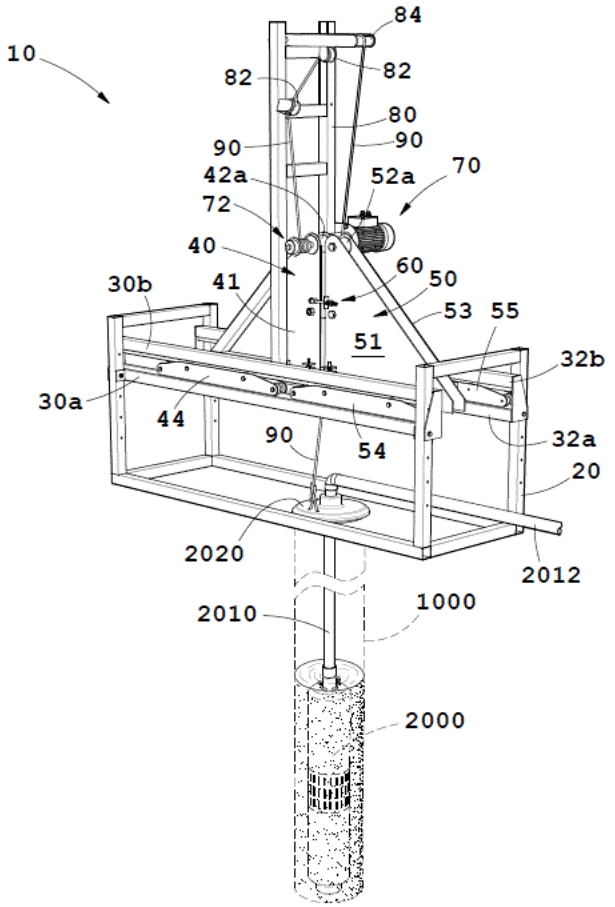


21: 2023/04891. 22: 2023/05/02. 43: 2023/12/11
51: B66C
71: SPEARPOINT ENGINEERING (PTY) LIMITED
72: ZWANE, Elias Vusi
33: ZA 31: 2022/04686 32: 2022-04-28
33: ZA 31: 2022/08608 32: 2022-08-02

54: GUIDE APPARATUS FOR DISPLACING A SUBMERSIBLE PUMP SYSTEM

00: -

The invention relates to a guide apparatus for displacing a submersible pump system relative to a borehole. The guide apparatus includes a support structure (20); first (40) and second (50) stanchions which both carry at least one motion transmission device (42a, 52a) for transmitting motion to and displacing a rising main pipe 2010 of the submersible pump system relative to the borehole (1000), the first (40) and second (50) stanchions locating next to one another such that a passage for the rising main pipe (2010) is defined between their respective motion transmission devices (42a, 52a); and a drive arrangement 70 that is arranged to pwer at least one of the motion transmission devices, wherein in use, the rising main pipe is gripped firmly between the respective motion transmission devices and displaced through the passage, relative to the borehole, when the drive arrangement powers the at least one motion transmission device.



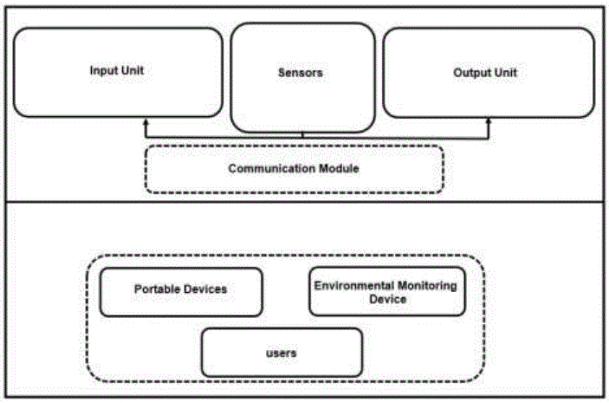
21: 2023/04922. 22: 2023/05/03. 43: 2023/11/22
51: A01G
71: Dr.Gauri Kalnoor, Dr.C.Balakrishna Moorthy, Prakash B Metre, Mr. Zatin Gupta, Dr. Ashish Kumar, Dr. KM Baalamurugan, Vijay Kumar Sharma, Mr. Rashmi Rathi Upadhyay, Dr. Venkateswaran R, Dr. Kashif Qureshi
72: Dr.Gauri Kalnoor, Dr.C.Balakrishna Moorthy, Prakash B Metre, Mr. Zatin Gupta, Dr. Kashif Qureshi, Dr. Ashish Kumar, Dr. KM Baalamurugan, Vijay Kumar Sharma, Mr. Rashmi Rathi Upadhyay, Dr. Venkateswaran R
33: IN 31: 202341012528 32: 2023-02-23

54: AN IOT BASED AGRICULTURAL ENVIRONMENTAL APPROACH BASED ON BIG DATA ANALYTICS WITH CONSTRAINED MONITORING

00: -

The present invention discloses an IoT based agricultural environmental parameter big data analytics with constrained monitoring. In the present invention, a means for collecting information about teachers from multiple schools and figuring out if a teacher is acquainted with a pupil or if they share

pals; further, letting the student pick their own teacher once they've taken a personality test to identify their preferred method of learning. Further, a user computer with a processor, display, user input, and computer-readable media, wherein the user computer is programmed to display user interface information received over a network connection, wherein the user computer is programmed to display video data of a procedure and display information on tools used in the video, wherein the user computer is operable to transmit a request by a user for a one-on-one communication between the user and a vendor of a tool used in the video.

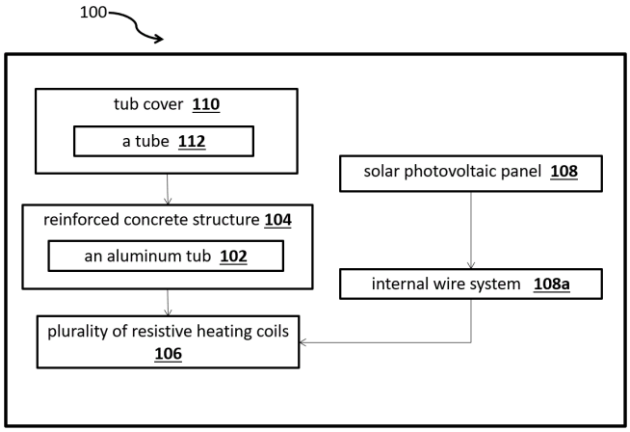


21: 2023/04927. 22: 2023/05/03. 43: 2023/12/11
51: F24D
71: Dr. Pranjal Sarmah, Dr. Dipankar Das, Dr. Saroj Yadav, Dr. Madhurjya Saikia, Rupam Deka, Kamal Chandra Saikia
72: Dr. Pranjal Sarmah, Dr. Dipankar Das, Dr. Saroj Yadav, Dr. Madhurjya Saikia, Rupam Deka, Kamal Chandra Saikia

54: AN ECONOMIC SOLAR WATER HEATER SYSTEM

00: -

The present disclosure relates to an economic solar water heater system for rural inhabitants and for hotel and restaurant as well. The system comprises of an aluminium tub enchased in reinforced concrete structure, four resistive heating coils placed at the bottom of the structure, a solar panel system that is connected to the coils, a connection to a standard power source, a tub cover that includes a tube having diameter of 10 cm. The proposed solar water heater is a perfect solution for water heating in an economical way for rural inhabitants and for hotel and restaurant as well.

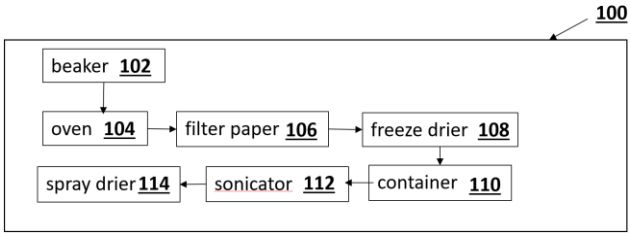


21: 2023/04928. 22: 2023/05/03. 43: 2023/12/11
51: A61K
71: Dr. M. Venkata Ramana, Dr. Anasuya Patil, Dr. Sachinkumar Dnyaneshwar Gunjal, Dr. P. Sailaja Rao, Aaushi Pareek, Dr. Nayyar Parvez, Sana Butool, Ashutosh Pareek, Vivek Jain, Prof. (Dr.) Varsha Deva, Dr. Shyam Sunder V Pancholi
72: Dr. M. Venkata Ramana, Dr. Anasuya Patil, Dr. Sachinkumar Dnyaneshwar Gunjal, Dr. P. Sailaja Rao, Aaushi Pareek, Dr. Nayyar Parvez, Sana Butool, Ashutosh Pareek, Vivek Jain, Prof. (Dr.) Varsha Deva, Dr. Shyam Sunder V Pancholi

54: A SYSTEM FOR DEVELOPING PHYTOSOMES LOADED POLYPHENOL DERIVED FROM MORINGA OLEIFERA LEAF TO TREAT CANCER

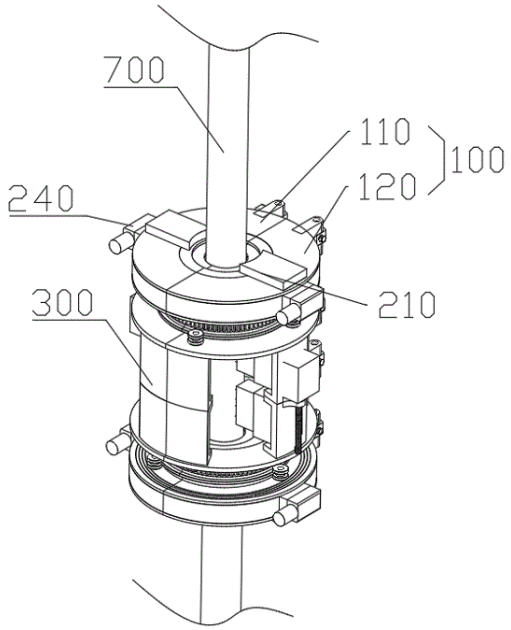
00: -

A system (100) for developing phytosomes loaded polyphenol derived from moringa oleifera leaf to treat cancer, comprises of: a beaker (102) for mixing 3-7 g of moringa oleifera leaf with 80-120ml of distilled water; an oven (104), operating at 2.54 GHz, for extracting polyphenol from the mixed Moringa oleifera leaf; a filter paper (106) for filtering the extract, wherein the filtered extract is concentrated by a freeze drier (108); a container (110) for dissolving lipoid in dichloromethane, and diluting Moringa oleifera leaf polyphenols with 90% ethanol to obtain a mixture; a sonicator (112) for sonicating the mixture for a defined interval; and a spray drier (114) to flow nitrogen gas for evaporating solvent content from the sonicated mixture to obtain a thin film layer Moringa oleifera polyphenol-loaded phytosomes complex.



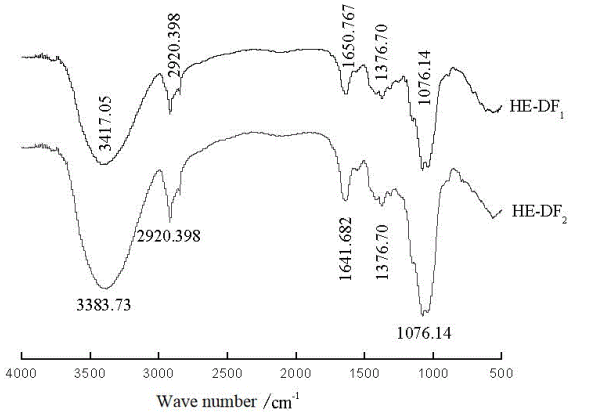
21: 2023/04951. 22: 2023/05/04. 43: 2023/11/22
51: A23K
71: Ningxia Ningyang agriculture and Animal Husbandry Development Co. , Ltd., Institute of animal husbandry and veterinary medicine, Ningxia Academy of agricultural and Forestry Sciences (Co., Ltd.)
72: LIU Fang, LIU Jinghua, MEI Ning'an, XIN Guosheng, YANG Guo
33: CN 31: 2023104127640 32: 2023-04-18
54: PRODUCTION METHOD OF SELENIUM-ENRICHED MUTTON
00: -
The invention relates to the technical field of animal husbandry, in particular to a production method of selenium-enriched mutton. By feeding sheep with selenium-enriched sheep feed, the transformation efficiency of selenium in sheep body is improved; the selenium-enriched sheep feed comprises the following raw materials in parts by mass: 250-350 parts of selenium-enriched corn, 60 parts of selenium-enriched sorghum, 120 parts of selenium-enriched corn straw, 90 parts of flaxseed cake, 30 parts of premix, 2,400-3,000 parts of selenium-enriched corn silage and 5 parts of selenium-enriched lactic acid bacteria; the premix contains selenocysteine and selenium-enriched lactic acid bacteria. The invention greatly improves the selenium content of mutton and other edible parts, improves the health care function of mutton, improves the quality of mutton, realizes the standardized production of selenium-enriched mutton, increases economic benefits, significantly increases the brand competitiveness of feed production, breeding and mutton segmentation processing enterprises, enhances the integration development ability of the whole industrial chain, and further promotes the integration development of primary, secondary and tertiary industries.

21: 2023/04988. 22: 2023/05/05. 43: 2023/11/07
51: B23D
71: LIUPANSHUI NORMAL UNIVERSITY
72: ZHANG, Wanhe
54: A DEICING BLADE STRUCTURE AND DEICING DEVICE
00: -
The present invention relates to the technical field of a power transmission line maintenance equipment, and particularly provides a deicing blade structure and a deicing device, wherein the deicing blade structure comprises a shell, the shell is of an annular structure, and an inner ring of the shell is used to mate with a power transmission line; the deicing blade structure further comprises a snow removing blade structure, and the snow removing blade structure comprises two snow removing blade units which cooperate with each other to realize the removal of accumulated snow on the power transmission line; wherein the snow removing blade unit comprises a snow removing blade body and a driving structure, and the driving structure is used to drive the snow removing blade body to move in a diameter direction of the inner ring of the shell; and the relative position of the snow removing blade body in the diameter direction of the inner ring is adjusted through the driving structure, so as to match power transmission lines of different inner diameters, and by providing an adjustable snow removing blade body through a structural design of the deicing blade, the applicability of the deicing blade structure can be effectively improved to match a wider range of transmission lines with different internal diameters.



21: 2023/05024. 22: 2023/05/05. 43: 2023/11/08
51: C07D
71: DEYI PHARMACEUTICAL LTD.
72: LUO, Junlu, MOU, Hongtao, DU, Yesong, TAN, Xin, WANG, Shubin, ZHANG, Pingping, LAN, Lan
33: CN 31: 202011262162.4 32: 2020-11-12
54: PREPARATION METHOD FOR CANNFLAVIN COMPOUNDS
00: -
Disclosed in the present invention is a preparation method for cannflavin compounds. The preparation method has advantages such as cheap and easily available raw materials, few reaction steps, short production period, and easy operation. The method comprises: first, condensing 4'-hydroxy-3'-methoxyacetophenone and diethyl carbonate (DEC) under an alkaline condition to obtain ethyl 4'-hydroxy-3'-methoxybenzoylacetate, next, reacting 1,3,5-trihydroxybenzene with geraniol to obtain (E)-2-(3,7-dimethyloct-2,6-dien-1-yl)benzene-1,3,5-triphenol; and finally, condensing ethyl 4'-hydroxy-3'-methoxybenzoylacetate and (E)-2-(3,7-dimethyloct-2,6-dien-1-yl)benzene-1,3,5-triphenol at high temperature to produce cannflavin A and/or cannflavin C, and then carrying out separation and purification to obtain pure cannflavin A and cannflavin C.

21: 2023/05100. 22: 2023/05/08. 43: 2023/11/06
51: A23L; A61K; A61P
71: Jilin Agricultural University
72: LIU Tingting, WANG Dawei, ZHANG Yanrong
33: CN 31: 2020115461716 32: 2020-12-24
54: HERICIUM ERINACEUS DIETARY FIBER, PREPARATION METHOD AND APPLICATION THEREOF
00: -
Disclosed are a Hericium erinaceus dietary fiber, a preparation method and application thereof, and relates to the technical field of food processing. The preparation method includes: washing Hericium erinaceus residues with water after polysaccharide and protein are extracted, crushing and drying for later use; adding distilled water into the Hericium erinaceus residues according to a material-liquid ratio of 1:(30-40) (g/mL), and adding alkaline protease for enzymolysis for 25-30 min; adjusting pH to 5-6, adding cellulase for enzymolysis, performing microwave-ultrasonic treatment at a same time of enzymolysis, and inactivating the enzyme in boiling water bath for 10-15 min; and adding ethanol solution, and filtering, washing and drying to obtain Hericium erinaceus dietary fiber. The Hericium erinaceus dietary fiber has a cluster structure, and the surface structure is destroyed. It may bind and destroy fat emulsion, improve bile acid excretion ability in feces, improve bile acid metabolism, and delay the diffusion and absorption of lipids and cholesterol in small intestine.

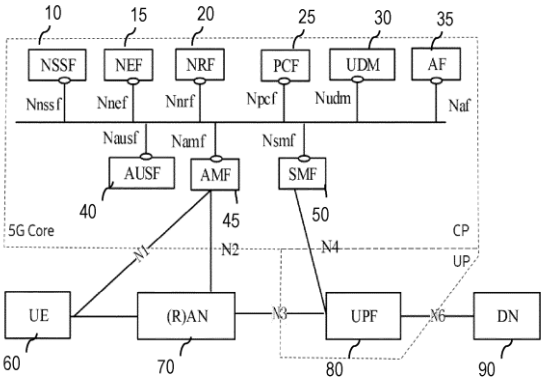


21: 2023/05125. 22: 2023/05/09. 43: 2023/11/13
51: H04L; H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: MUÑOZ DE LA TORRE ALONSO, Miguel Angel
33: EP 31: 20382975.9 32: 2020-11-11

54: CONTENT FILTERING SUPPORT FOR PROTOCOLS WITH ENCRYPTED DOMAIN NAME SERVER

00: -

The invention relates to various methods, entities, systems and computer programs for allowing a wireless communications network to implement content filtering even when a protocol used for packet data flow through the wireless communications network requires encryption of a domain name. One method relates in particular to a method for operating a policy control entity (240) in a wireless communications network (200), in which a data packet flow is provided for exchanging data packets between a user equipment (100) and a content provider (400), the data packet flow encrypting a domain name of the content provider (400). The method comprises a step of receiving (S6, S31) a user policy profile from a data repository (250), the user policy profile comprising a content filtering policy for filtering the data packets. The method further comprises a step of transmitting (S8, S32), to a session control entity (220) of the wireless communications network (200), a session policy based on the user policy profile, the session policy instructing a user plane entity (230) of the wireless communications network (200) to filter the data packets, and a step of transmitting (S12, S33), to an access management entity (210) of the wireless communications network (200), a user policy based on the user policy profile, the user policy instructing the user equipment (100) to add the domain name in un-encrypted form to the data packets.

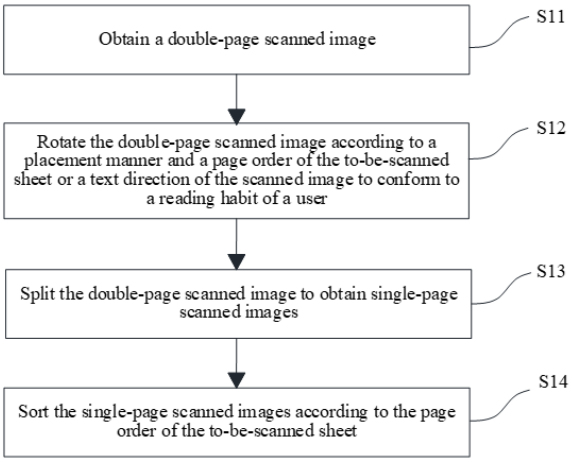


21: 2023/05181. 22: 2023/05/10. 43: 2023/11/13
51: G06F
71: ZHUHAI PANTUM ELECTRONICS CO., LTD.
72: SHANG, Yunying, HU, Dongcheng, YU, Han
33: CN 31: 202011140527.6 32: 2020-10-22

54: IMAGE PROCESSING METHOD AND APPARATUS

00: -

The present application discloses an image processing method and device. The image processing method comprises: performing two-sided scanning on paper to be scanned, so as to obtain a two-page scanning picture; splitting the two-page scanning picture to obtain single-page scanning pictures; and sorting the single-page scanning pictures according to the page order of the paper to be scanned. In the present application, after two-sided scanning is performed on paper to be scanned, so as to obtain a two-page scanning picture, the two-page scanning picture is split to obtain single-page scanning pictures, and then the single-page scanning picture are automatically sorted according to the page order of the paper to be scanned, so that the scanning pictures obtained by scanning are consistent with the page order of an original brochure or book to be scanned, without the need to manually split or sort the pictures, thereby saving time and labor, and increasing the efficiency.

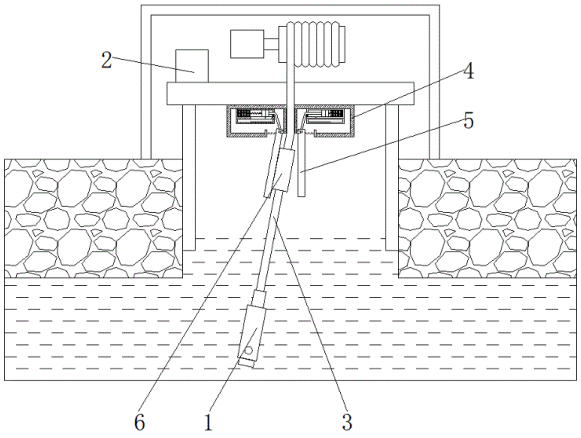


21: 2023/05192. 22: 2023/05/11. 43: 2023/11/13
51: G01F; G01N
71: Jiangsu Vocational Institute of Architectural Technology
72: ZHU Yuancai, WU Zhaoli, TIAN Guohua, ZHANG Chao, DANG Jianmin, LIU Tianfei, LIU Liaoyuan, YANG Dong, JIN Lei, LI Ruoyu, ZHANG Jin, SHAN Shiduo, GUO Chongsong, JIAN Chuanqi
33: CN 31: 2023101049480 32: 2023-02-13

54: MEASURING DEVICE FOR MEASURING CHANGE OF UNDERGROUND WATER LEVEL AMONG WATER RESOURCE OPTIMAL CONFIGURATION

00: -

The present invention relates to the technical field of geological exploration and discloses a measuring device for measuring change of underground water level among water resource optimal configuration, including a water level probe and a controller, where a cable is connected between the water level probe and the controller, the controller is installed on a well cover, a compensating mechanism is installed on a bottom face of the well cover, the compensating mechanism includes a box body, and a monitoring device is installed in the interior of the box body. According to the present invention, a compensating mechanism is provided below a well cover, a probe fluctuation monitoring component is used for monitoring flowing of water flow, such that whether current water flow is suitable for detecting a water level may be determined. Meanwhile, a probe offset component is used for acquiring a deflection angle in an equilibrium state after deflection of the water level probe, and a sine formula is used for calculating an actual height of a water level, such that a condition that the water level detected by the water level probe is inaccurate due to an impact of the water flow is avoided, and meanwhile, accuracy of the water level measured by the water level probe during the deflection is improved.

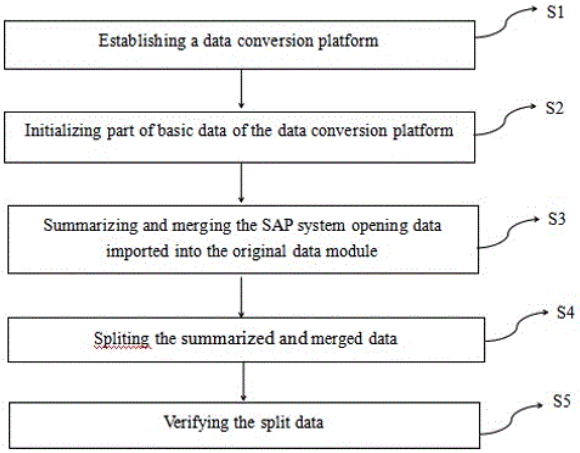


21: 2023/05200. 22: 2023/05/11. 43: 2023/11/13
51: G06F
71: COSCO SHIPPING TECHNOLOGY (BEIJING) CO., LTD.
72: ZHANG, Lixin, HAN, Changshan, WANG, Li, LIANG, Jun
33: CN 31: 202310385480.7 32: 2023-04-12

54: METHODS FOR CONVERTING OPENING DATA DURING SAP SYSTEM UPGRADE

00: -

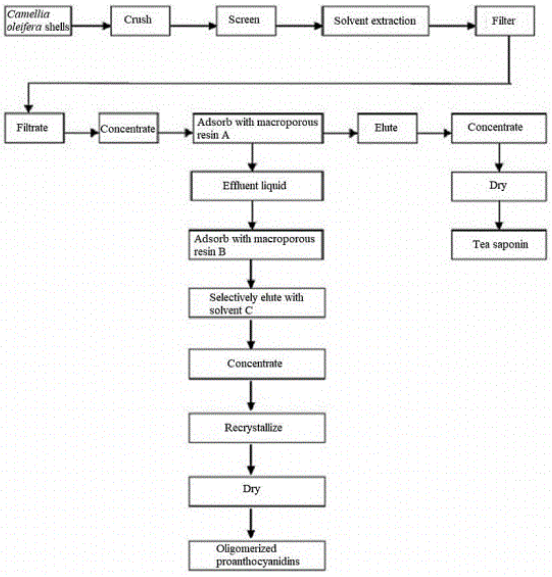
The embodiment of the present invention discloses method for converting opening data during SAP system upgrade, including steps: S1,establishing a data conversion platform; the data conversion platform includes modules such as subject conversion mapping, auxiliary accounting field mapping, company code, user, role permission, original data, original data merging, original data splitting, successful data conversion, transmission record results and operation record locking;S2,initializing part of basic data of the data conversion platform;S3,summarizing and merging the SAP system opening data imported into the original data module;S4,spliting the summarized and merged data.S5,verifying the split data. The method for converting opening data savings in labor costs, improved accuracy and automation of data conversion, increased efficiency and quality of data conversion, and reduced workload for financial personnel.



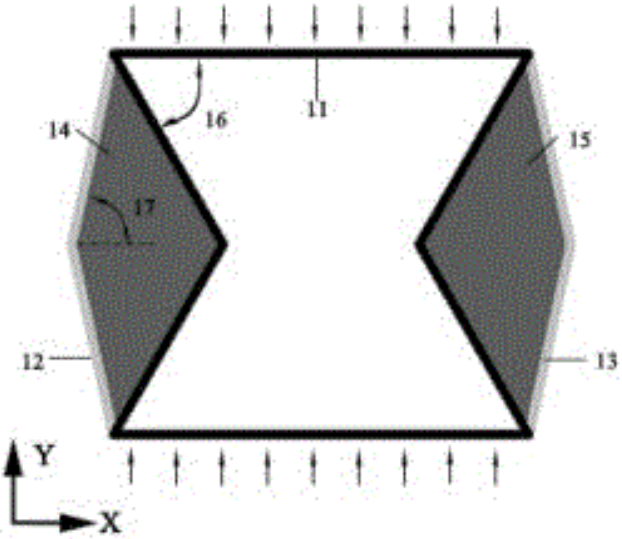
21: 2023/05233. 22: 2023/05/12. 43: 2023/11/22
51: C07J
71: INSTITUTE OF APPLIED CHEMISTRY, JIANGXI ACADEMY OF SCIENCES
72: XIONG, Wei, FU, Jianping, WU, Lei, HAN, Xiaodan, WANG, Huibin

54: METHOD FOR SEPARATING AND PURIFYING TEA SAPONIN AND PROANTHOCYANIDINS FROM CAMELLIA OLEIFERA SHELLS

00: -
The present invention belongs to the technical field of extraction and separation of active plant ingredients, and particularly relates to a method for separating and purifying tea saponin and proanthocyanidins from camellia oleifera shells. The method provided by the present invention finally extracts and separates oligomerized proanthocyanidins and tea saponin mainly through steps of multi-stage extraction, enzymolysis, enzyme deactivation, serial macroporous resin absorption, selective elution, recrystallization on camellia oleifera shells and the like. Compared with the prior art, the method provided by the present invention synchronously extracts and separates two active components: oligomerized proanthocyanidins and tea saponin, so that an obtained product has the advantage of high yield and purity, achieving comprehensive utilization of the waste camellia oleifera shells.

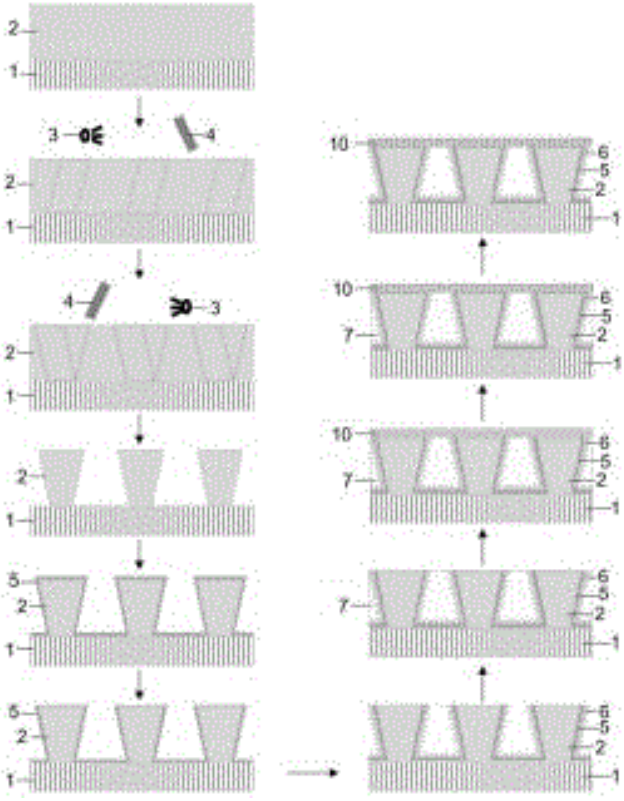


21: 2023/05234. 22: 2023/05/12. 43: 2023/11/24
51: F16F
71: Taishan University
72: WANG Qing, SHI Zengqin, ZHANG Rui
33: CN 31: 202210688467.4 32: 2022-06-16
54: NOVEL COMPOSITE METAMATERIAL CAPABLE OF REALIZING POSITIVE-NEGATIVE CONVERSION OF POISSON'S RATIO AND DESIGN METHOD THEREOF
00: -
Disclosed is a novel composite metamaterial capable of realizing positive-negative conversion of Poisson's ratio, including a frame structure with a concave hexagon shape, wherein corner-folding structures protruding outwards are arranged on both sides of the frame structure, and quadrilateral materials are arranged between the frame structure and the corner-folding structures. The quadrilateral materials are made of tensile but not compressive polymer materials. The invention combines the positive Poisson's ratio of traditional materials with the negative Poisson's ratio of metamaterial, and the novel composite metamaterial designed by the invention presents both positive Poisson's ratio and negative Poisson's ratio. Its transverse deformation always shrinks inward when it is pressed or pulled longitudinally. The invention enriches the functions of metamaterial and expands the practical application range of metamaterial.



21: 2023/05235. 22: 2023/05/12. 43: 2023/11/22
51: B28B
71: Taishan University
72: WANG Qing, XU Shuangshuang, ZHANG Rui
33: CN 31: 202211273362.9 32: 2022-10-18
54: EASY-TO-DEMOULD CONCRETE TEST MOLD WITH SUPER-HYDROPHOBIC/SUPER-SLIPPERY INNER WALL AND PREPARATION METHOD THEREOF
00: -
The invention discloses an easy-to-demould concrete test mold with super-hydrophobic/super-slippery inner wall and a preparation method thereof. The method comprises the following steps: a, spin-coating negative photoresist, and obtaining a substrate with an inverted trapezoidal micron

structure on the inner wall by ultraviolet lithography; b, depositing a metal layer by vacuum evaporation; c, removing the metal layer on the upper surface of the inverted trapezoidal microstructure on the inner wall of the substrate; d, obtaining a micro-nano hierarchical structure on the metal layer coated by the inverted trapezoidal microstructure on the inner wall of the substrate; e, spin-coating molten wax, and after cooling, filling solid wax into micron-sized pores between inverted trapezoidal structures; f, spin-coating positive photoresist and carrying out ultraviolet lithography; g, discharging the solid wax in the micron-sized pores to obtain a substrate with a super-hydrophobic surface structure; h, assembling the substrate to obtain the easy demoulding concrete test mold with super-hydrophobic performance. The invention reduces the adhesion between concrete and the inner wall of the test mold, so that the concrete can be easily separated from the inner wall of the concrete test mold.



21: 2023/05236. 22: 2023/05/12. 43: 2023/11/22
51: B09C
71: Guizhou Institute of Biology
72: LONG Yunchuan, JIANG Juan, HU Jing, HU Xuejun

54: PREPARATION METHOD OF BIOLOGICAL NANO ELEMENTAL SELENIUM AND ITS APPLICATION IN SOIL HEAVY METAL POLLUTION REMEDIATION

00: -

The invention provides a preparation method of biological nano elemental selenium and its application in soil heavy metal pollution remediation, belonging to the technical field of soil heavy metal pollution remediation. The preparation method of biological nano elemental selenium comprises the following steps: enrichment of selenium-resistant bacteria, acclimation of selenium-resistant bacteria, separation of selenium-resistant bacteria, screening of high-efficiency strains, expanded culture and the like, and the preparation method is simple and convenient, the reaction conditions are mild, a complex reactor is not needed, and the efficiency is high. The biological nano elemental selenium is prepared into an aqueous solution, and is added into that soil pollute by heavy metals, so that the heavy metals in the soil are fixed in the soil by utilize the chelation of selenium and heavy metals, the migration of the heavy metals to plants is reduced, and the remediation of the heavy metal pollution in the soil is realized.

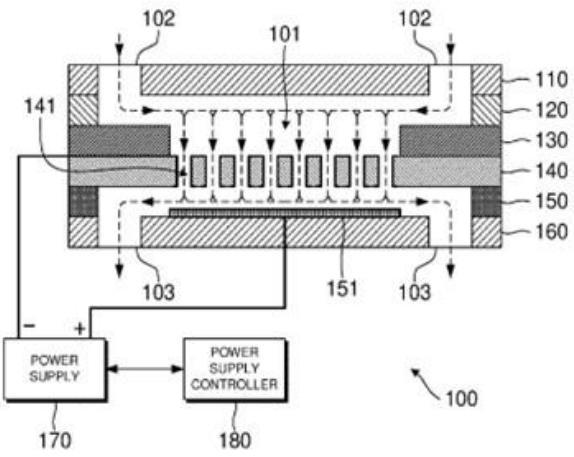
21: 2023/05266. 22: 2023/05/12. 43: 2023/11/16
51: H01J; H05H
71: CHOI, Peter
72: CHOI, Peter
33: FR 31: FR2010519 32: 2020-10-14

54: PLASMA GENERATING APPARATUS

00: -

Apparatus for generating a plasma via the transient hollow cathode discharge effect is disclosed. The apparatus comprises a chamber comprising an inlet through which gas may enter the chamber and an outlet through which the gas may exit the chamber, a cathode electrode disposed in the chamber, the cathode electrode comprising a plurality of hollow cathodes, an anode electrode spaced apart from the cathode, a power supply, and a power supply controller configured to reduce a power level of the electrical power below a level required to maintain the plasma at the plurality of hollow cathodes, after electrical breakdown has occurred. Each hollow cathode comprises a through-thickness hole through which the gas may pass from one side of the

cathode electrode to another side of the cathode electrode. A modular apparatus is also disclosed, comprising a plurality of plasma reactor modules arranged in series and/or in parallel.



21: 2023/05267. 22: 2023/05/12. 43: 2023/11/16
51: A61L
71: GAMMA PULSE SAS
72: CHOI, Peter
33: FR 31: FR2010524 32: 2020-10-14
54: APPARATRUS FOR DECONTAMINATING AMBIENT AIR IN AN INDOOR ENVIRONMENT
00: -

Apparatus for decontaminating ambient air in an indoor environment is disclosed. The indoor environment may be any partially or fully enclosed space designed for human occupancy such as a room within a building or structure or an interior of a vehicle. The apparatus comprises an inlet configured to receive contaminated ambient air from the indoor environment, an outlet configured to supply decontaminated air to the indoor environment, and one or more decontamination modules connected between the inlet and the outlet, each of said one or more decontamination modules being configured to remove contaminants from air passing through said decontamination module. In some embodiments the apparatus comprises an air recirculation mechanism for recirculating air back through the one or more decontamination modules, and a controller configured to control the air recirculation mechanism to recirculate a volume of air within the apparatus such that said air passes through the one or more decontamination modules a plurality of times, and to subsequently release said air into the indoor environment via the outlet as the decontaminated air. By recirculating air within the apparatus in this way, the overall effectiveness of the decontamination process can be increased.

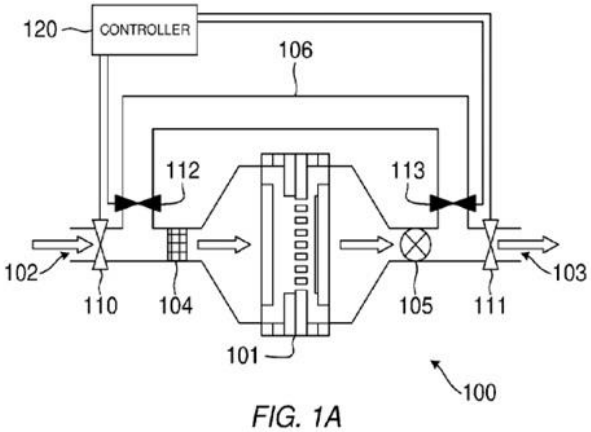


FIG. 1A

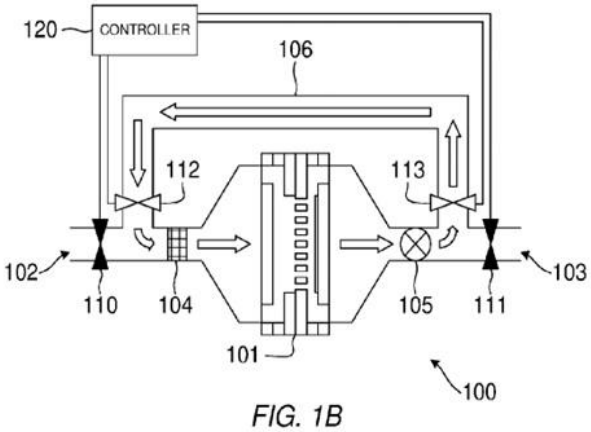
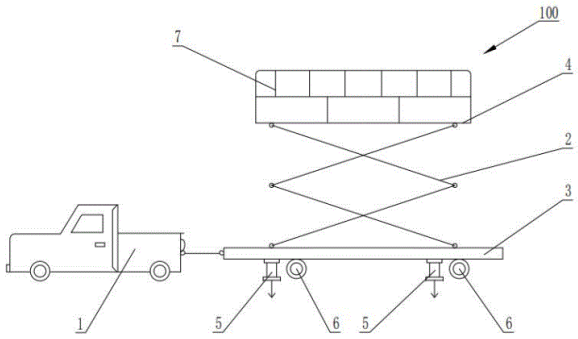


FIG. 1B

21: 2023/05273. 22: 2023/05/15. 43: 2023/11/24
51: B66B
71: DU LAN JINHUI MINING CO., LTD.
72: GUAN, Youguo, DONG, Bingzheng
54: DOWNHOLE LIFTING PLATFORM TRUCK FOR METAL MINES
00: -

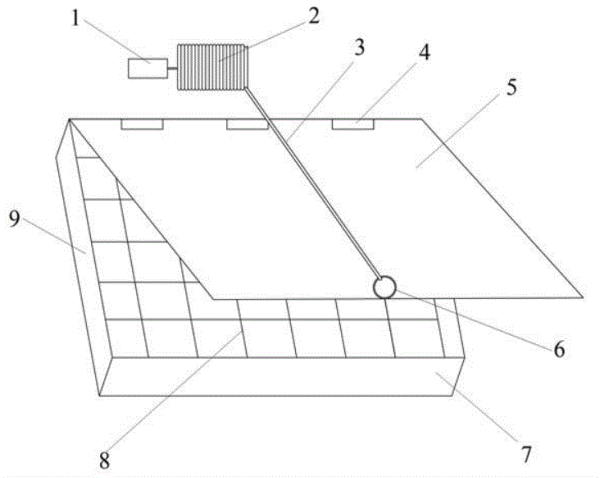
The present disclosure discloses a downhole lifting platform truck for metal mines, including a scissor lift, an operating platform, and a mobile platform. The bottom of the mobile platform is provided with a plurality of wheels. The bottom of the scissor lift is arranged on the mobile platform. The operating platform is arranged on the top of the scissor lift. The scissor lift is capable of driving the operating platform along the vertical direction to lift and hold the position after lifting. The circumferential side wall

of the operating platform is fixedly provided with a guard rail. With the scissor lift, the operating platform is driven to reach different height positions, such that it is simple and convenient to adjust aerial work positions. Moreover, the guard rail arranged on the operating platform can protect the personal safety of operators and ensure the safety and reliability of aerial work.



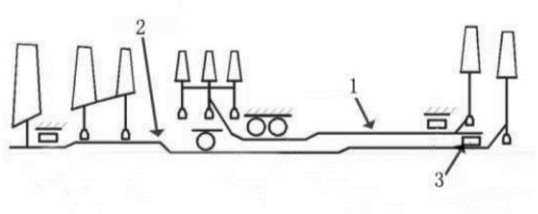
21: 2023/05274. 22: 2023/05/15. 43: 2023/11/22
51: E01F; E02D
71: DU LAN JINHUI MINING CO., LTD.
72: GUAN, Youguo, DONG, Bingzheng
54: ORE PASS WELLHEAD STOPBOARD
00: -

The present disclosure discloses an ore pass wellhead stopboard, relating to the technical field of wellhead shelter device, including a cover plate, a grille, and a wall. The grille is used to completely cover the wellhead of the ore pass. A circle of the wall is fixedly provided along the entire edge of the wellhead. The cover plate is rotatably connected to the wall about the first axis. The first axis is parallel to the plane where the wellhead is located. The cover plate and the wall are capable of closing or opening the wellhead by rotation. The ore pass wellhead stopboard provided by the present disclosure can seal the wellhead after ore dumping to prevent dust from spreading out from the wellhead of the ore pass and can improve the safety of the ore pass.

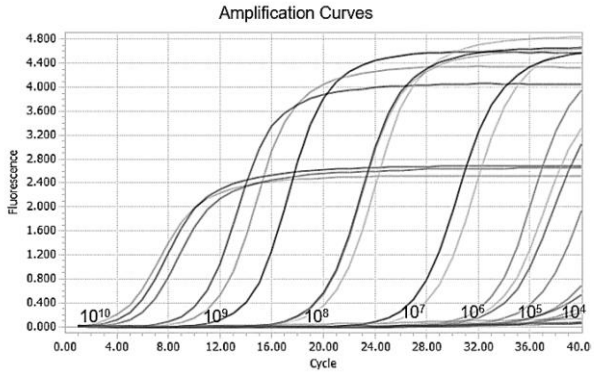


21: 2023/05276. 22: 2023/05/15. 43: 2023/11/22
51: G01M; G06F; G06Q
71: SHIJIAZHUANG TIEDAO UNIVERSITY
72: GAO, Tian
33: CN 31: 2022105652913 32: 2022-05-23
54: METHOD FOR PREDICTING PAROXYSMAL IMPACT VIBRATION IN STATE OF LOCAL DEFECT OF OUTER RACE OF INTERMEDIATE BEARING
00: -

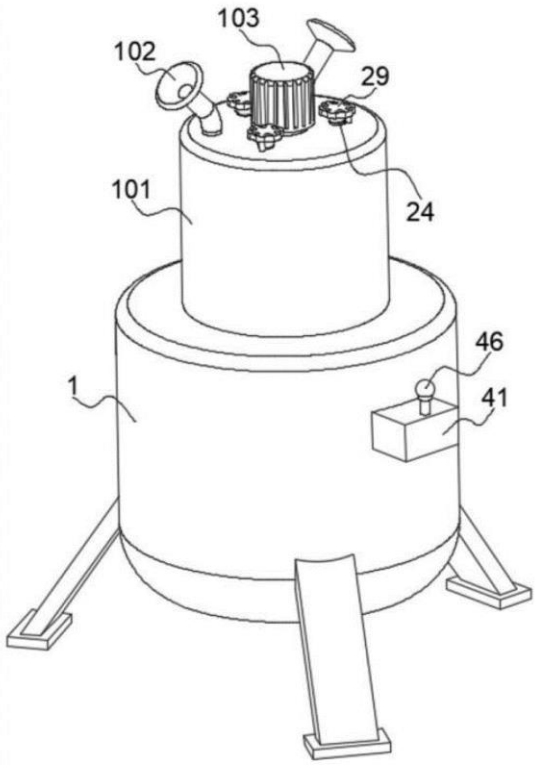
The present disclosure relates to the technical field of defect diagnosis, in particular to a method for predicting paroxysmal impact vibration in a state of local defect of an outer race of an intermediate bearing. According to the occurrence condition of paroxysmal impact vibration that a rotating frequency of a high-voltage rotor is equal to a bearing defect frequency and the multiple of the frequency, a prediction formula of paroxysmal impact vibration is derived, and all working conditions of paroxysmal impact vibration can be obtained in conjunction with the formula and the preliminary experiment, so as to realize the prediction of paroxysmal impact vibration of a dual-rotor system in the state of local defect of the outer race of the intermediate bearing, troubleshoot risks, and avoid major safety.



21: 2023/05277. 22: 2023/05/15. 43: 2023/11/22
51: C12Q
71: army medical university
72: Li Jintao, Ding Xiaoyan, He Jiuxiang, Zhou Yuxin, Zhou Xiaoyang
33: CN 31: 202210536550X 32: 2022-05-17
54: PRIMERS, KIT AND METHOD FOR DETECTING OF AFRICAN SWINE FEVER VIRUS
00: -
Primers, a kit and a method for detecting African swine fever virus are provided, which relates to virus detection technologies. The primers are used to detect vp72 gene of African swine fever virus, and nucleotide sequences thereof are shown in SEQ ID NO: 6 and SEQID NO: 7. The kit includes the primers. The method uses the primers or the kit to perform dye fluorescence quantitative polymerase chain reaction (PCR) on genomic DNA of a sample to be detected. This method has strong specificity, high sensitivity, good reproducibility, and lower cost than the TaqMan probe method.

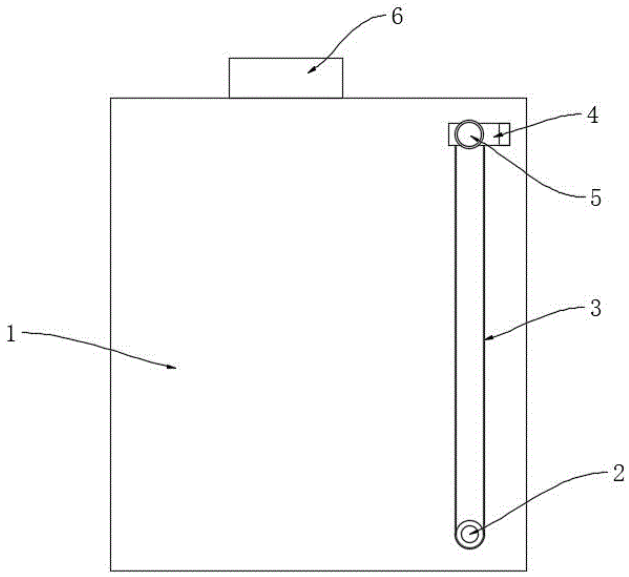


21: 2023/05278. 22: 2023/05/15. 43: 2023/11/22
51: B01F
71: Hunan Tuochuang Polymeric New Material Co., Ltd
72: lei guanjun, lei yajun, liao jin, wu yongying
33: CN 31: 2022112931259 32: 2022-10-21
54: A DEVICE FOR PREPARING WATERBORNE ACRYLIC MODIFIED EPOXY RESIN
00: -
This invention provides a device for preparing waterborne acrylic modified epoxy resin, belonging to the field of resin preparation devices, comprising a mixing tank, a dissolving tank fixed at the top of the mixing tank, feeding pipes fixed at both sides of the dissolving tank, and a driving motor fixed at the top of the dissolving tank, it also comprises a dissolving component, a dispersing component and a liquid adding mechanism, thus, the mixing effect of the device is improved, and impurities in the solution can be collected and filtered, thereby improving the production quality of the device.



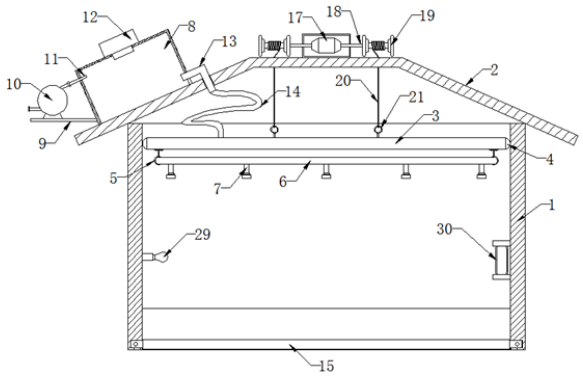
21: 2023/05279. 22: 2023/05/15. 43: 2023/11/22
51: G02B
71: JIAXING VOCATIONAL&TECHNICAL COLLEGE
72: LU Chun, ZHAO Yude, LI Chenxi
33: CN 31: 202320927363.4 32: 2023-04-23
54: CAMERA FOCAL LENGTH ADJUSTING APPARATUS
00: -
Disclosed is a camera focal length adjusting apparatus, including an adjusting box arranged on the camera, where the adjusting box is in a shape of openings at two ends, and is used for enabling the camera to take pictures normally; both sides of the

inner wall of the adjusting box are fixedly connected with the baffle plates, such that the two baffle plates and the two side walls of the adjusting box form two cavities, each of the two cavities is rotationally connected with a second rotating column, one end of each of the second rotating column is fixedly connected with a second bevel gear, each of the two baffle plates is provided with a slot, the two second rotating columns are in joint threaded connection with a limiting slide plate, and the limiting slide plate passes through the two slots and is connected with the slots in a limiting sliding manner. In the apparatus, the forward rotation manual button or the reverse rotation manual button on the controller makes the motor rotated, so that the objective lens moves horizontally to one side, thereby facilitating the adjustment of the focal length of the camera and being convenient for personnel to replace the objective lens.



21: 2023/05280. 22: 2023/05/15. 43: 2023/11/14
51: A01N; A61K
71: FRED HUTCHINSON CANCER CENTER
72: ZAGER, Richard, JOHNSON, Ali CM
33: US 31: 62/057,047 32: 2014-09-29
33: US 31: 62/212,232 32: 2015-08-31
54: COMPOSITIONS, KITS, AND METHODS TO INDUCE ACQUIRED CYTORESISTANCE USING STRESS PROTEIN INDUCERS
00: -
The present disclosure provides compositions, kits, and methods to protect organs by inducing acquired cytoresistance without causing injury to the organ. The compositions, kits, and methods utilize heme proteins, iron and/or vitamin B12 and, optionally, agents that impact heme protein metabolism.

21: 2023/05281. 22: 2023/05/15. 43: 2023/11/24
51: A01K
71: INSTITUTE OF ANIMAL HUSBANDRY, HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES
72: ZHAO, Xiuhua, YUE, Shan, SUN, Jinyan, PENG, Fugang, LI, Manyu, LIU, Guojun, XU, Shanshan
54: TEMPERATURE CONTROL DEVICE FOR GOOSE ANTI-SEASON REPRODUCTION
00: -
The invention related to a temperature control device for goose anti-season reproduction. A goose house which has a rainproof roof; a top plate is slidably arranged inside the goose house; a sealing pad is arranged on a side wall of the top plate; an outer wall of the sealing pad is in contact with an inner wall of the goose house; an annular pipe is fixedly arranged jointly inside the two mounting brackets; the lower side wall of the annular pipe is fixedly provided with uniformly distributed temperature control pipes; the upper end of the goose house is fixedly provided with a lifting mechanism. When temperature inside the goose house needs to be changed, a position of the top plate can be changed by the lifting mechanism to make the top plate descend, so that a size of breeding space can be changed reducing the temperature.

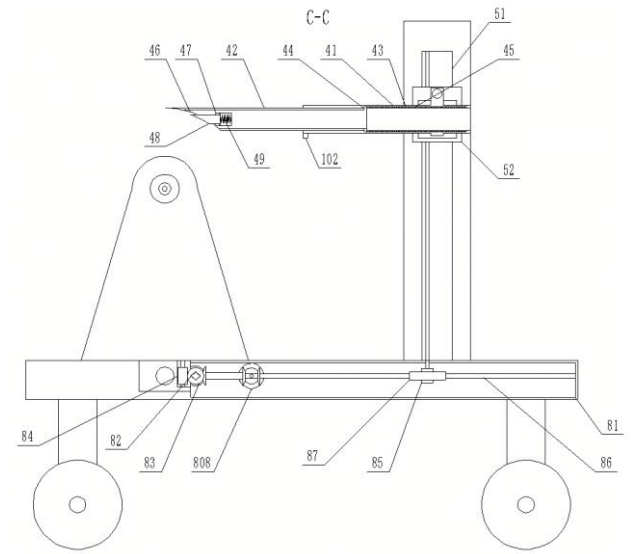


21: 2023/05283. 22: 2023/05/15. 43: 2023/11/24
51: H02G
71: Jiangsu College Of Safety Technology
72: Hou Chun, Li Jiajia
33: CN 31: 2022109138863 32: 2022-08-01

54: CABLE LAYING DEVICE FOR ELECTRICAL AUTOMATION CONTROL

00: -

The present invention relates to the cable laying device for electrical automation control, which belongs to the technical field of the cable laying equipment, comprising a tractor, an cable tray bracket is arranged on the side of the top of the tractor, two strut plates are symmetrically arranged on the other side of the tractor, respectively, a mounting plate is arranged between the two strut plates, two ends of the mounting plate are rotated and connected with the supporting plates through the torsion spring; a conduit is penetrated with the side of the mounting plate near the cable tray bracket, the one end of the conduit is connected with the mounting plate in a sliding. The present invention can be used to lay the cable after the cable elicitation through the combination of the tractor and the cable tray bracket, in cooperation with using of the supporting plate, the mounting plate and the conduit, so that the conduit can limit the direction of the cable elicitation, it ensure that the elicitation cable is always parallel to the side without the elicitation cable, to avoid the situation that the cable is rotated and tightened and knotted after the elicitation cable is tilted to both sides, and the cable is squeezed without the elicitation cable. The cable laying device of the present invention is convenient to use, simple to operate and practical, and is worth prompting.

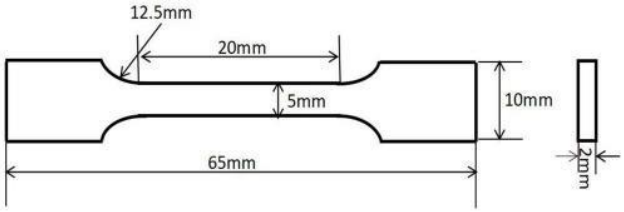


21: 2023/05299. 22: 2023/05/15. 43: 2023/11/24
51: B22F; C22C
71: NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: SUN, Xin, ZHAO, Dingguo, REN, Jianbiao, WANG, Yachao, WANG, Shuhuan, NI, Guolong
33: CN 31: 202211153022.2 32: 2022-09-21

54: METHOD FOR PREPARING HIGH-NITROGEN STAINLESS STEEL BY SELECTIVE LASER MELTING OF PURE METAL OVER-MATCHED POWDER

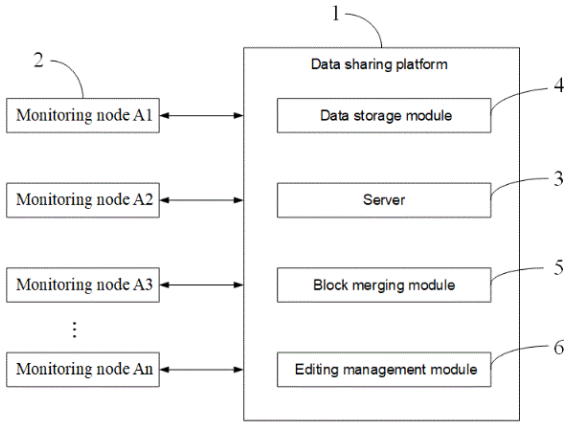
00: -

Described is a method for preparing high-nitrogen stainless steel using selective laser melting of over-matched powder, including the steps: preparing raw materials of mixed powder according to chemical compositions of a target product; mixing the raw materials of mixed powder in a ball mill to obtain over-matched powder; placing the mixed over-matched powder into a powder chamber of a laser 3D printer; vacuumizing the chamber of the laser 3D printer, then filling nitrogen, preheating a substrate, and beginning the printing; after printing, taking out a sample of the high-nitrogen stainless steel. This method ensures the desired nitrogen content in the product while reducing the cost of preparing high-nitrogen steel printing powder. It improves safety by avoiding an increase in reaction pressure during the process. By adjusting the element content of the mixed powder's raw materials, various types of high-nitrogen steel printing powder can be prepared, enhancing the feasibility thereof.



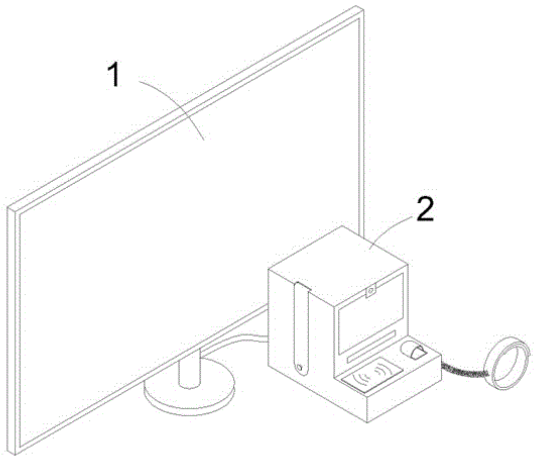
21: 2023/05315. 22: 2023/05/16. 43: 2023/11/22
51: A01G
71: Weifang Academy of Agricultural Sciences
72: LI Tian, ZHAO Jingjie, XIAO Long, LIN Yundi, HAN Xia, GAO Jing
54: CUTTING PROPAGATION METHOD OF ROOTSTOCK OF HARD-ROOTED FRUIT TREE
00: -
The invention discloses a cutting propagation method of rootstock of hard-rooted fruit tree, which comprises the following steps: cultivating cuttings with strong meristematic ability, selecting and processing cuttings, cutting and managing after cutting. This method is suitable for peach, cherry, apricot, plum, apple, pear and other fruit trees and rootstocks. The rooting time of cuttage seedlings cultivated by this method is 5-7 days ahead of schedule, the rooting rate is above ninety-seven percent, and the emergence rate is above 95 percent, which is more than 20 percent higher than that of semi-lignified cuttage in summer, and the emergence rate is more than 30 percent, and the first-class seedling rate is more than 45 percent, reaching 92 percent. This method saves more than 40 percent of the labor force and improves the economic benefit by more than 50 percent.

21: 2023/05317. 22: 2023/05/16. 43: 2023/11/22
51: G06Q
71: Zhengzhou University of Aeronautics
72: Jiyang LI, Yanjuan TENG
54: ENVIRONMENTAL LAW PROTECTION DATA SHARING SYSTEM BASED ON BLOCKCHAIN
00: -
Disclosed is an environmental law protection data sharing system based on a blockchain, including a data sharing platform and a monitoring node. The data sharing platform includes: a server, configured to receive data transmitted by all monitoring nodes as well as process and calculate the data; and a data storage module, configured to store the data transmitted by all the monitoring nodes after being processed by the server. According to the invention, the data monitored by monitoring devices in multiple localities is directly transmitted to the data sharing platform, and is jointly stored by a plurality of monitoring nodes, so that artificial modification is avoided, and the authenticity of the monitoring data in all the localities is ensured. A block merging module is arranged, so that the monitoring data stored in the data storage module for more than one year may be integrated to acquire new blocks, and the new blocks are connected to form a new blockchain to replace the original blockchain, thus reducing the occupied space of the blockchain that stored the monitoring data in the past while retaining a monitoring result.



21: 2023/05318. 22: 2023/05/16. 43: 2023/11/22
51: G06Q
71: Zhengzhou University of Aeronautics
72: Jiyang LI, Yanjuan TENG
54: SOCIAL DISPUTE MEDIATION SIMULATION AND DEMONSTRATION TEST SYSTEM
00: -
Disclosed is a social dispute mediation simulation and demonstration test system, including a computer and a dispute information collection box. An identity card reader is installed on an upper surface of the front side of the dispute information collection box, a fingerprint collector is installed on one side of the identity card reader, and a display screen is installed on a front sidewall of the dispute information collection box. In the invention, the dispute information collection box is arranged, so that the credibility of facts stated by a party may be judged according to changes of pulse, breathing frequency and blood pressure of the party during mediation simulation, and an abnormal sentence is marked

according to change nodes of the pulse, breathing frequency and blood pressure, thus bringing convenience for a mediator to investigate the specific process of a dispute and promoting the mediator to initially confirm the facts of the dispute. A speaker, a microphone and an artificial intelligence questioning template are arranged, so that questions can be automatically asked to the party through artificial intelligence according to a preset template, and voice is converted into text to be automatically input to a dispute report, thus greatly speeding up the mediation of the dispute by the mediator.

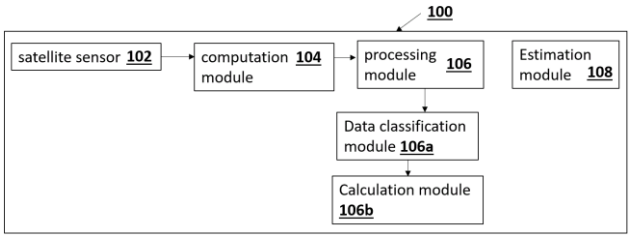


21: 2023/05319. 22: 2023/05/16. 43: 2023/11/29
51: G01N
71: Chungkham Thombson, Dr Rajkumar Kamaljit Singh, Dr Sandip Rashmikant Oza, Dr Purvee Joshi, Dr Sushil Kumar Singh, CAP-Project, Space Applications Centre- Indian Space Research Organisation, Manipur Technical University
72: Chungkham Thombson, Dr Rajkumar Kamaljit Singh, Dr Sandip Rashmikant Oza, Dr Purvee Joshi, Dr Sushil Kumar Singh

54: A SYSTEM FOR ESTIMATING SEA ICE CONCENTRATION OF AN AREA

00: -

A system (100) for estimating ice concentration of an area, comprises of: a satellite sensor (102) for measuring data points between a source and a destination having varying ice concentrations; a computation module (104) i.e., Basic Radar Altimetry Toolkit (BRAT) for computing mean value of tie-points (Tbs) for an interval, wherein the values of Tb are extrapolated to obtain equirectangular projected Tbs; a processing module (106) associated with the computation module (104) for removing spurious ice signatures in open water; and an estimation module (108) for determining sea ice concentration (SIC) at different seasons based on the Tbs and reference brightness temperature.



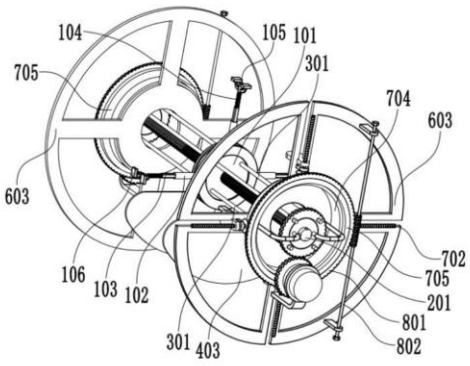
21: 2023/05320. 22: 2023/05/16. 43: 2023/11/29
51: G05B
71: HUZHOU VOCATIONAL & TECHNICAL COLLEGE
72: Lu SUN, Liangliang CHEN, Yuheng MA, Yunfei WU, Zeli WU

54: CONSTRUCTION MONITORING ROBOT

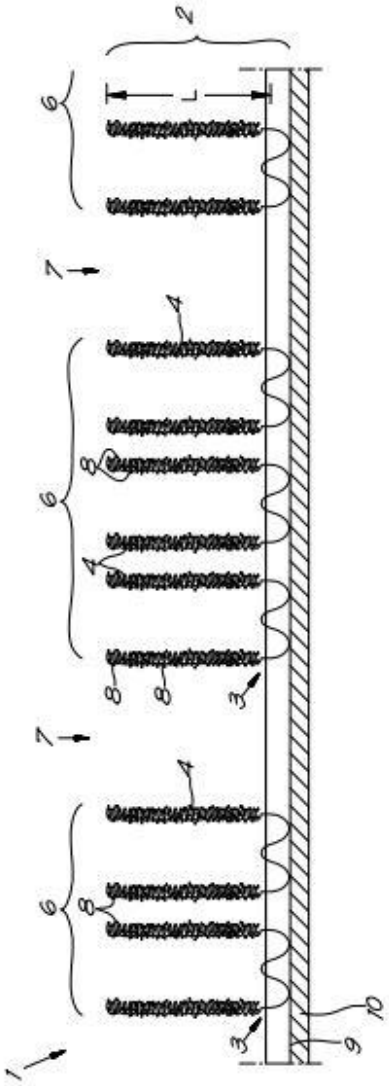
00: -

The application relates to the technical field of construction monitoring, and in particular to a construction monitoring robot. The construction monitoring robot includes a bearing circular plate and multiple limiting slide cavities fixedly connected onto the bearing circular plate. An internal thread cavity is slidably connected into the multiple limiting slide cavities respectively, an adjusting lead screw is connected into the multiple internal thread cavities respectively through threads, a contact ball is rotatably connected onto the multiple adjusting lead screws respectively, two polishing curved plates are fixedly connected onto the multiple adjusting lead screws respectively, a fixed transverse lead screw is connected onto the bearing circular plate through the threads, multiple linkage circular columns are slidably connected onto the bearing circular plate, two transfer bearing hollow cavities are rotatably connected onto the bearing circular plate, a square transverse slide column is fixedly connected onto the two transfer bearing hollow cavities respectively, a sand and stone bringing plate is slidably connected to the two square transverse slide columns respectively, and the two fastening bolts are rotatably connected onto the two sand and stone bringing plates respectively. The application has the following beneficial effects. A constructed round hole may be subjected to detection monitoring, and

accordingly a diameter of the constructed round hole may further be ensured to meet the standard.



21: 2023/05328. 22: 2023/05/16. 43: 2023/11/29
51: B24B; B24D
71: MARIS, Johan Jozef F
72: MARIS, Johan Jozef F
33: BE 31: 2020/5822 32: 2020-11-16
54: ABRASIVE MATERIAL, ACCESSORIES FOR A TOOL CONTAINING SUCH ABRASIVE MATERIAL AND METHOD OF MANUFACTURING SUCH ABRASIVE MATERIAL
00: -
Abrasive material, characterised in that the abrasive material (1) includes a double layer of fabric (2) with connection (3) cut in the middle to form hairs (4) or fibres (4) on the first side (5) of the abrasive material (1), where the hairs (4) are post-treated so that the shape of the hairs (4) is permanently changed, and where the hairs (4) are equipped with abrasive particles (8).



21: 2023/05346. 22: 2023/05/16. 43: 2023/11/16
51: B29C
71: BEIJING NATIONAL INNOVATION INSTITUTE OF LIGHTWEIGHT LTD., DEZHOU BRANCH OF BEIJING NATIONAL INNOVATION INSTITUTE OF LIGHTWEIGHT LTD.
72: REN, Mingwei, WANG, Yong, FAN, Guanghong, ZHU, Xiangdong, REN, Zhangyu
33: CN 31: 202011489187.8 32: 2020-12-16
54: COMPOSITE MATERIAL HOT-PRESS FORMING DEVICE
00: -
A composite material hot-press forming device, including: a sucker end picker, which is disposed on one side of the device; a feeding device, which includes a panel provided below the sucker end picker for supplying resin fiber sheets, and a first

driving mechanism driving the panel to move up; a mechanical arm mechanism, which is arranged on the other side of the device and is used for grabbing the resin fiber sheets; a furnace, which is arranged in the middle of the device; a moving mechanism, one side of which is positioned on the lower side of the sucker end picker, and the other side is positioned on the lower side of the mechanical arm mechanism, and is used for conveying the resin fiber sheets placed by the sucker end picker to the furnace for heating, and then conveying the resin fiber sheets to the mechanical arm mechanism to be transported away through the mechanical arm mechanism; a forming device, which is arranged on one side of the mechanical arm mechanism and used for injection molding the resin fiber sheets; an unloading device, which is arranged on one side of the forming device and is used for transporting the formed product. The composite material hot-press forming device enables the carrying time to be shortened, and has the advantages of shortening the forming time, reducing the clamping pressure, improving the compatibility with the injected resin, enhancing the product performance, and continuous operation.

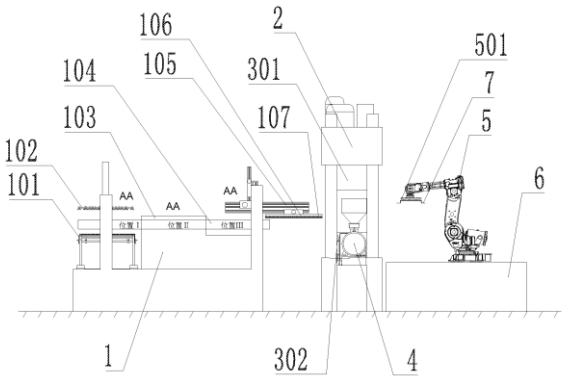


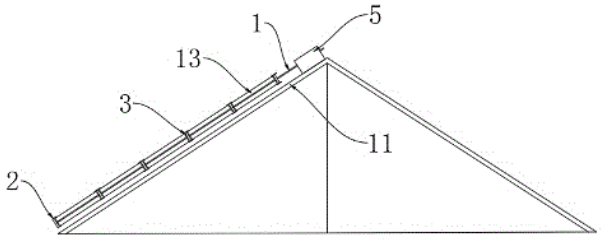
图 7

21: 2023/05353. 22: 2023/05/17. 43: 2023/11/22
51: E04B
71: THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU
72: FENG, Lilei, LIU, Xiao, SONG, Lianshuang, ZHANG, Jinghe, ZHAO, Rui, CUI, Qi
33: CN 31: 202310357618.2 32: 2023-04-06

54: METHOD FOR MOUNTING INSULATION BOARDS FOR WIDE-ANGLE SLOPING ROOF

00: -

The present invention discloses a method for mounting insulation boards for a wide-angle sloping roof, and relates to the technical field of insulation board construction. The method comprises the following specific steps: S1: pre-assembling paving of the insulation boards: mounting a traction cable assembly at a ridge, and mounting the insulation boards on the traction cable assembly by taking the ridge as a construction site, wherein the plurality of insulation boards are connected in series to form a longitude insulation board chain; S2: adjusting the mounting positions of the insulation boards; S3: fixing the insulation boards to the roof; and S4: after paving the insulation boards, subsequently constructing a tiled surface of the roof. According to the method for mounting insulation boards for a wide-angle sloping roof provided by the present invention, by taking the ridge as a construction platform, the insulation boards connected in series by the traction cable assembly are pre-paved to pitched roofs on two sides and then positions are corrected and fixed. There is no trouble of transferring, paving and correcting the insulation boards one by one. It is free from an operation of erecting a work platform in particular aloft work, so that the method is convenient to operate and improves the work efficiency.

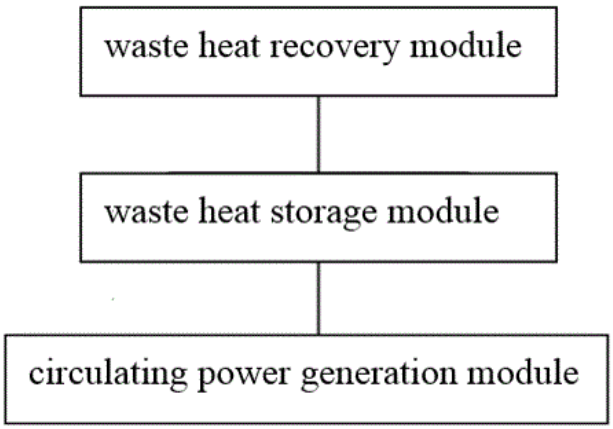


21: 2023/05354. 22: 2023/05/17. 43: 2023/11/22
51: F01K
71: Ningbo Polytechnic
72: HUANG Qiyue, ZHONG Xiaoyan, HONG Chengxiu, GUO Xiaolong

54: SYSTEM AND METHOD FOR RECOVERING WASTE HEAT ENERGY TO GENERATE ELECTRICITY

00: -

The application discloses a system and a method for recovering waste heat energy to generate electricity, wherein the system comprises a waste heat recovery module, a waste heat storage module and a circulating power generation module; the waste heat recovery module is used for recovering waste heat generated at the factory side; the waste heat storage module is used for storing the waste heat into a heat storage working medium; and the circulating power generation module is used for generating power based on the heat storage working medium. The application can recover the energy of industrial equipment that needs to recover the waste heat, and convert the waste heat into electric energy to generate economic benefits; moreover, the recovery system not only improves energy utilization efficiency and reduces environmental pollution, but also has reasonable design and convenient operation.

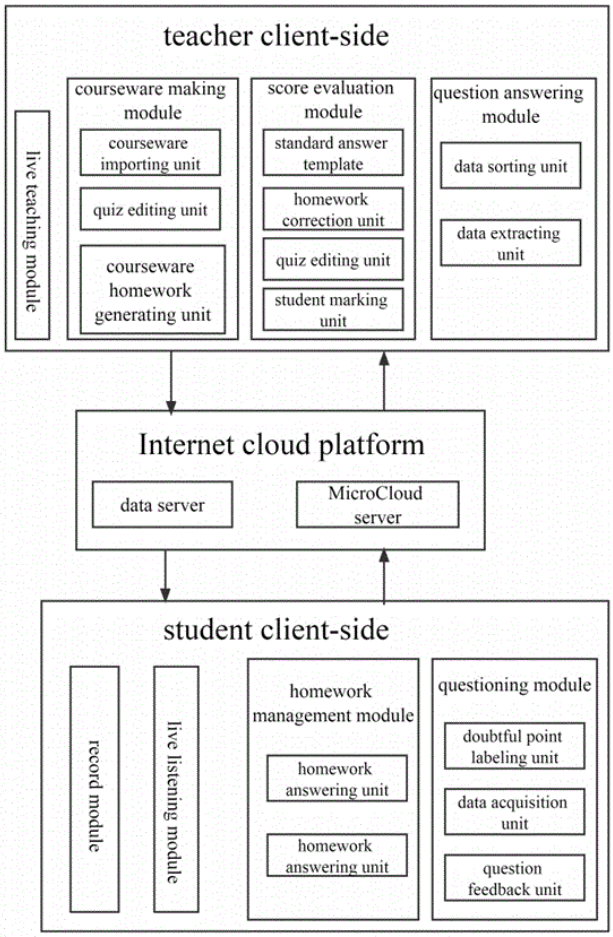


21: 2023/05355. 22: 2023/05/17. 43: 2023/11/22
51: G06F; G09B
71: JINLING INSTITUTE OF TECHNOLOGY
72: ZOU Lingjun, ZHANG Lifeng

54: ONLINE QUESTION-ANSWERING INTERACTIVE SYSTEM FOR SMART CLASSROOM

00: -

The invention discloses a smart classroom online question answering interactive system, which comprises a user terminal and an Internet cloud platform, wherein the user terminal comprises a teacher client-side, a student client-side and a user login system; The courseware making module of the invention makes courseware homework and sends it to the student client-side, and the student replies to the courseware homework through the homework management module, and submits the completed courseware homework to the teacher client-side, and then corrects the completed courseware homework through the score evaluation module and counts the homework scores, so as to facilitate the teacher to know the students' mastery of knowledge in class in time, and marks the puzzled knowledge points in the course of listening to lectures through the doubtful point labeling unit. The video data of the time period where the knowledge point is located is collected by the data acquisition unit, and then the data is sent to the question answering module through the question feedback unit, and the question answering module sorts out and extracts the received data, so that students can record the knowledge points they don't understand in time and get answers in time.

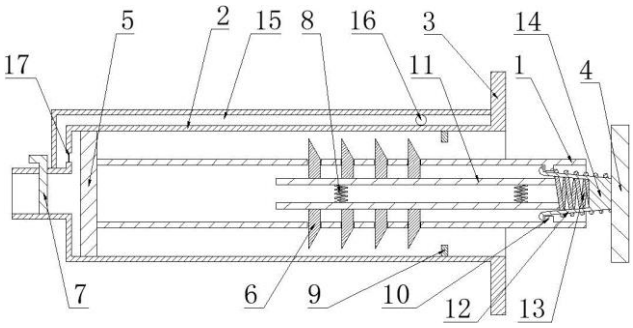


21: 2023/05356. 22: 2023/05/17. 43: 2023/11/22
51: B09C
71: Anhui Agricultural University

72: ZHANG Hongyu, MA Chao, DING Kexin, YE Sumei, LU Mengxing, ZENG Desheng, GONG Zhifeng, HU Hongxiang, YE Xinxin
33: CN 31: 2023104625218 32: 2023-04-26
54: COMPOUND MICROBIAL INOCULUM AND APPLICATION IN REMEDIATION OF HEAVY METAL POLLUTION IN SOIL
00: -
The invention discloses a compound microbial inoculum and its application in soil heavy metal pollution remediation, belonging to the technical field of soil improvement. The method comprises the following steps: mixing and concentrating Bacillus Claudius, Trichoderma harzianum, Haemophilus sulphophilus, azotobacter chroococcum and Streptomyces tenuipes to obtain a microbial composite concentrated solution, adding an inorganic carrier and an organic carrier, granulating at low temperature and packaging to obtain the composite microbial inoculum. The five strains adopted in the invention have no mutual inhibition, and can effectively repair cadmium-contaminated soil and reduce its heavy metal content through reasonable proportion; Secondly, the selected inorganic carrier and organic carrier can effectively adsorb microbial strains, provide a good living environment for the strains, ensure the stable survival and reproduction of the combined strains in the soil, exert the continuous soil remediation effect, and lay an important foundation for the subsequent crop production increase.

21: 2023/05357. 22: 2023/05/17. 43: 2023/11/29
51: C04B
71: China Building Materials Academy Co., Ltd., China National Building Material Group Co., Ltd.
72: Kunyue ZHANG, Xiao ZHI, Min WANG, Zhaijun WEN, Xiaopeng AN, Wen HUANG, Guang YAO, Yang YU, Xin SHEN
33: CN 31: 202211053589.2 32: 2022-08-31
54: METHOD FOR PREPARING PORTLAND CEMENT FEATURING EARLY STRENGTH, LOW SHRINKAGE, AND LOW HEAT
00: -
A method for preparing Portland cement includes: respectively weighing iron slag, copper slag, vanadium slag, and nickel slag and grinding, to yield prefabricated iron slag, prefabricated copper slag, prefabricated vanadium slag, and prefabricated nickel slag; weighing mica and kaolinite, mixing, and grinding to obtain aluminous raw materials; evenly mixing the prefabricated iron slag and the aluminous raw materials, and calcining, to yield an iron-aluminum eutectic mineral; weighing the marble, fluorite, dolomite, and quartz, evenly mixing the marble, fluorite, dolomite, and quartz with the prefabricated copper slag, prefabricated vanadium slag, and prefabricated nickel slag to yield a first mixture; grinding the iron-aluminum eutectic mineral to yield powders, and calcining a second mixture of the first mixture and the powders, to yield the cement clinker; and cooling the cement clinker, and grinding a third mixture of the cooled cement clinker and the gypsum, to yield the Portland cement.

21: 2023/05359. 22: 2023/05/17. 43: 2023/11/22
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
54: NEGATIVE PRESSURE PUNCTURE SYRINGE CONVENIENT FOR PRESSURE ADJUSTMENT
00: -
The invention discloses a negative pressure puncture syringe convenient for pressure adjustment, which comprises a syringe syringe, wherein a piston rod is arranged in the syringe syringe; the front end of the piston rod is provided with a piston; a negative pressure control valve is arranged on the syringe mouth of the syringe barrel; a piston rod telescopic locking device is arranged on the syringe barrel; the piston rod telescopic locking device adjusts the negative pressure between the piston and the negative pressure control valve. In the invention, the negative pressure control valve can be closed before puncture, and the piston rod is pulled backward to form negative pressure in the syringe barrel; then the piston rod telescopic locking device is used to adjust the negative pressure in the syringe to meet the puncture requirements and further lock the negative pressure in the syringe to keep the negative pressure in the syringe stable, so that the operator can concentrate on locating the focus, effectively avoiding the influence of pulling the syringe piston on the negative pressure and the influence of syringe jitter and distraction on the positioning. The whole negative pressure puncture syringe convenient for pressure adjustment is light and beautiful.



21: 2023/05360. 22: 2023/05/17. 43: 2023/11/22
51: C02F
71: Hunan Sanyou Environmental Protection Technology Co., Ltd
72: Xiaoli CHAI, Yue MOU, Jing YI, Zeheng TANG, Hongbo HAN, Dan HOU
54: A NEW BIOLOGICAL FLUIDIZED BED PROCESS WITH HIGH CONCENTRATION POWDER CARRIERS USED FOR TREATMENT OF MUNICIPAL WASTEWATER
00: -
The present invention relates in general to municipal wastewater treatment, and in particular, to a new biological fluidized bed process with high concentration powder carriers used for the treatment of municipal wastewater, wherein the process comprises: flowing the wastewater through a coarse screen and a lifting pump firstly, lifting to a fine screen and grit chamber, and then entering a HPB biochemical tank; dividing the HPB biochemical tank successively into an anaerobic zone, an anoxic zone, an aerobic zone and a concentrated separation zone along the flow direction of the wastewater, adding a compound powder carrier to the anaerobic zone, the anoxic zone and the aerobic zone respectively, and stirring and mixing into a mixture; flowing the mixture into the concentrated separation zone and concentrating and separating, returning the concentrate back to the anaerobic zone; discharging the supernatant from the concentrated separation zone and successively transporting through a high-efficient clarification tank, a filter tank and a disinfection tank to be purified; transporting the discharged excess sludge to a cyclone separation and recovery system; the separated compound powder carrier will be recycled to HPB biochemical tank. The HPB process in the present invention is a highly integrated municipal wastewater treatment process, in which only one lifting operation is required. In addition, it has a small land area, a low operating energy consumption and a high treatment efficiency.

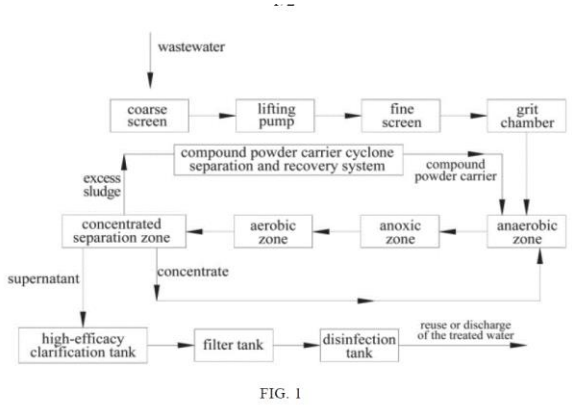
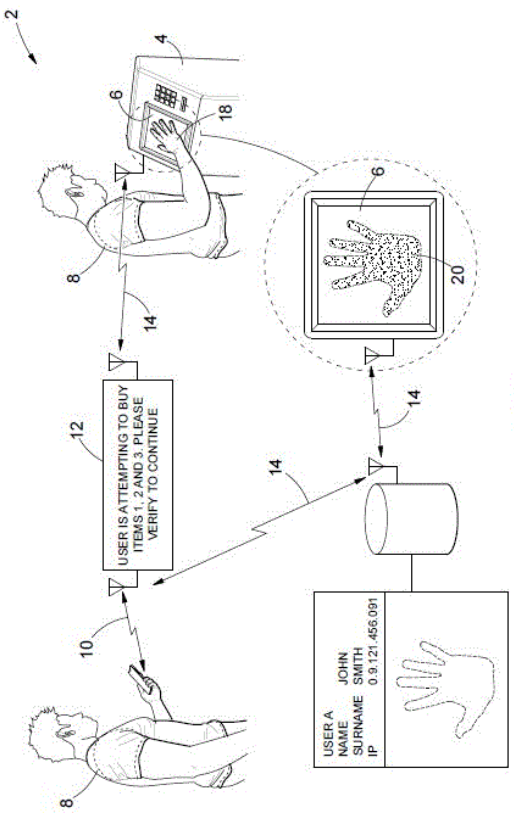


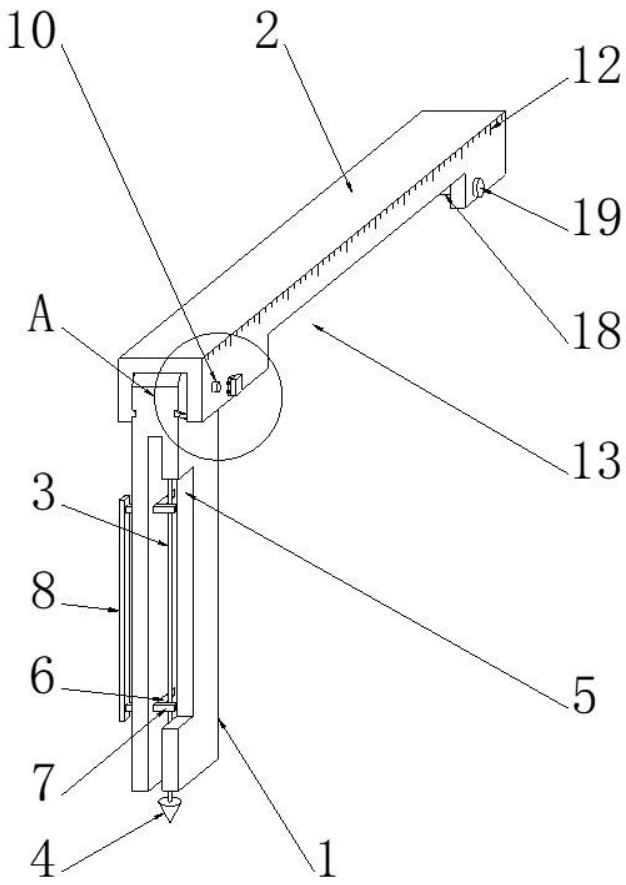
FIG. 1

21: 2023/05364. 22: 2023/05/17. 43: 2023/11/29
51: G06F
71: AKHIDUE, Charles Osemudiamen
72: AKHIDUE, Charles Osemudiamen
33: ZA 31: 2022/13390 32: 2022-12-12
54: VERIFICATION SYSTEM
00: -
The invention related to a verification system for verification of a user's identity, the verification system including a verification means and a verification surface arranged on the verification means. Furthermore, there is provided a region on a surface of the user, which is applied to the verification means to verify the identity of the user.



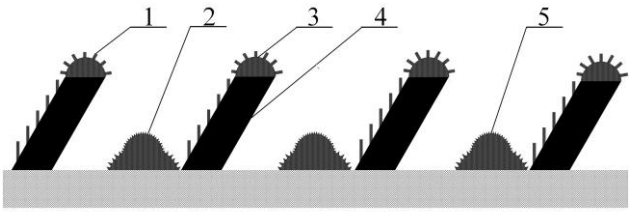
21: 2023/05384. 22: 2023/05/17. 43: 2023/11/29
51: A01B; A01C
71: M-PLANTER.NZ LIMITED
72: FEAR, Henry Albert
33: AU 31: 2020904202 32: 2020-11-16
54: A FORESTRY MANAGEMENT SYSTEM
00: -
The invention provides a forestry management system comprising a location recording unit mountable on a planting, fertilizing, pruning, or spraying device. The location recording unit comprises a global positioning system to record location data and location accuracy data relating to a tree being planted, fertilized, pruned or sprayed in a forest by the planting, fertilizing, pruning, or spraying device. The system transmits the location data and location accuracy data to a remote database, which data is accessible by a remote server that displays information relating to the forest that is at least in part based on the location data and location accuracy data.

21: 2023/05398. 22: 2023/05/16. 43: 2023/11/24
51: E04G
71: CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD.
72: ZHANG, Hu, RAN, Yucheng, MOU, Junzhong, SHEN, Yong, JIANG, Dejian
54: DETECTOR FOR ASSEMBLY CORRECTION OF PREFABRICATED BUILDING
00: -
Disclosed is a detector for assembly correction of a prefabricated building, including a first detection plate, a second detection plate, a plumb line, a plumb bob, an opening, a chute, a locating rod, a translation rod, an arc groove, a connecting shaft, a limit block, a scale, a notch, a limit plate, an end head, a spring, a fixing plate, a limit column, and a magnet block. The present disclosure has a reasonable structure, which can detect building components after they are assembled, achieves quick detection through foldable detection plates and enables an accurate angle between the detection plates, whereby implementing accurate detection during assembly correction and improving the construction quality. The detector is convenient to use, which can be stored after usage and improves the ease of use. The detector can perform correction of devices, which can correct assembly deviation conveniently according to a detection result and improves utilization.



21: 2023/05399. 22: 2023/05/16. 43: 2023/11/24
51: G02B
71: NORTHWEST A&F UNIVERSITY
72: LI, Jiang, LI, Yang, HUANG, Yuxiang, MA, Shen, YANG, Ruiji, GAO, Xiaojun, FU, Zuoli, YAN, Xiaoli
33: CN 31: 202320494945.8 32: 2023-03-15
54: DOUBLE-FOCUS COMPOUND EYE STRUCTURE FOR OUTDOOR RAIN, FOG AND WEAK LIGHT ENVIRONMENTS AND PREPARATION PROCESS
00: -

The present invention introduces a double-focus compound eye structure and its preparation process for outdoor rain, fog, and weak light environments. The structure includes an inclined column array with a double-focus microlens array in its gap, enhancing the focusing depth of the compound eye. Curved surface microstructures on the inclined column's upper surface and top increase coverage area, hydrophobicity, and oleophobicity while preventing droplet adhesion. The inclined column and double-focus microlens arrays are of micrometer to submillimeter sizes, with the former taller than the latter. Large-scale nanostructures grow on the curved surface microstructures and inclined column, while nanostructures cover the double-focus microlens top. These nanostructures improve weak light detection and self-cleaning abilities. The manufacturing process combines inclined photoetching, micro-jet printing, nano-growth, and etching. This invention enhances environmental adaptability and self-cleaning performance for vision systems in robot navigation and micro aircraft applications.



21: 2023/05400. 22: 2023/05/16. 43: 2023/11/24
51: A01C
71: NORTHWEST A&F UNIVERSITY
72: LI, Jiang, LI, Yang, HUANG, Yuxiang, FENG, Baili, YAN, Xiaoli, YANG, Qinghua, LI, Wei, ZHENG, Zhiqi
33: CN 31: 202320494913.8 32: 2023-03-15
54: LIGHTWEIGHT HIGH-SPEED TRANSPLANTING DEVICE
00: -

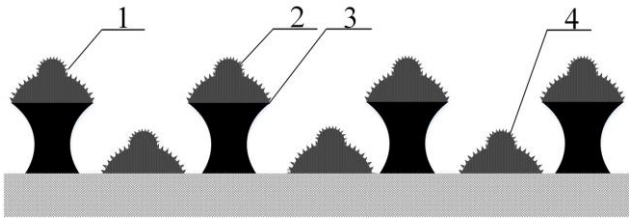
The present invention relates a lightweight high-speed transplanting device, which comprises a rack loaded on a walking device. A seedling planting device for planting vegetable pot seedlings is connected with the rack; a duckbill opening and closing device for clamping and releasing the vegetable pot seedlings is connected with the seedling planting device comprises a left and a right duckbill clamping piece, which are buckled with each other to form a hollow conical cylinder; the duckbill opening and closing device further comprises a left and a right connecting arm; one end of the left and the right connecting arm are fixedly connected with surfaces far away from each other of the left duckbill clamping piece and the right duckbill clamping piece. The process is improved by the duckbill opening and closing device and then driving the device to be inserted into the soil with the seedling planting device.

21: 2023/05401. 22: 2023/05/16. 43: 2023/11/24
51: G02B
71: NORTHWEST A&F UNIVERSITY
72: LI, Jiang, LI, Yang, HUANG, Yuxiang, FANG, Liuxin, PENG, Ruilong, GAO, Xiaojun, FU, Zuoli, YAN, Xiaoli
33: CN 31: 202320494975.9 32: 2023-03-15

54: MULTI-FOCUS SELF-CLEANING ANTI-FOG ANTIREFLECTION COMPOUND EYE STRUCTURE AND PREPARATION PROCESS

00: -

The present invention provides a multi-focus self-cleaning anti-fog antireflection compound eye structure comprising a mushroom-shaped array with double-focus microlens arrays on top and within the gaps. This structure improves focusing depth, with both the mushroom and microlens structures at the micron scale. The taller mushroom structure effectively isolates large droplets from the microlens structure. The microlens surface features a full-coverage self-cleaning anti-fog antireflection nanostructure, enhancing self-cleaning and weak light detection. The integrated nanostructures reduce surface adhesion. Precisely positioned microlens arrays and nanostructures enable simultaneous self-cleaning and weak light detection. The curved surface on the mushroom's side wall prevents droplet adhesion, while the curved surface on top increases coverage and reduces adhesion power. This multi-focus compound eye lens enhances environmental adaptability without increasing size. The manufacturing process involves photoetching, micro-jet printing, and nano-etching. The invention finds applications in robot vision navigation, unmanned driving, and micro aircraft systems.

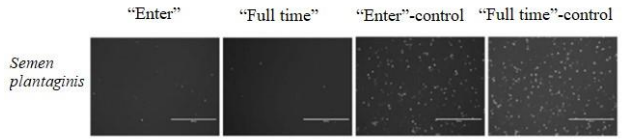


21: 2023/05402. 22: 2023/05/17. 43: 2023/11/29
51: A61K
71: NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Yanhua, CUI, Wenqiang, QU, Qianwei, HAN, Xiao

54: USE OF SEMEN PLANTAGINIS IN PREPARATION OF DRUG FOR PREVENTING OR TREATING PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME

00: -

The present invention discloses a use of Semen plantaginis in preparation of a drug for preventing or treating a porcine reproductive and respiratory syndrome, and belongs to the field of novel medical uses of the Semen plantaginis. The present invention discovers through a test that a Semen plantaginis extract with orobanchin as a main active component exerts the antiviral activity in vitro by blocking a porcine reproductive and respiratory syndrome virus (PRRSV) from invading target cells PAMs when the virus enters cells, and further has remarkable inhibition effect on the PRRSV at later replication. Therefore, the present invention provides a novel pharmacologic use of the Semen plantaginis or the Semen plantaginis extract in preventing or treating the porcine reproductive and respiratory syndrome.



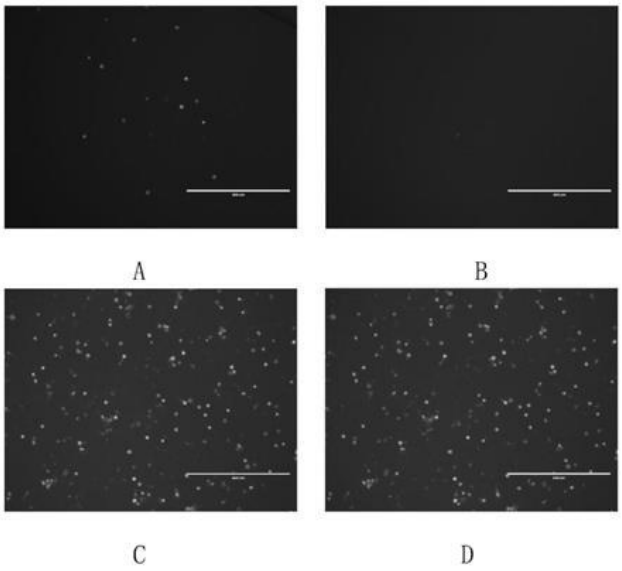
21: 2023/05403. 22: 2023/05/17. 43: 2023/11/29
51: A61K
71: NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Yanhua, HAN, Xiao, CUI, Wenqiang

54: USE OF FRUCTUS POLYGONI ORIENTALIS IN PREPARATION OF DRUG FOR PREVENTING OR TREATING PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME

00: -

Disclosed is a use of Fructus polygoni orientalis in preparation of a drug for preventing or treating a porcine reproductive and respiratory syndrome and uses a computer-aided drug design method to research a possible active site where a fifth scavenger receptor cysteine rich (SRCR5) structural domain in a key protein CD163 for porcine reproductive and respiratory syndrome virus (PRRSV) entry binds to PRRSV; a computer is used to virtually screen a traditional Chinese medicine monomer that may bind to the active site, and predict the druggability indexes of absorption, distribution, metabolism, excretion and toxicity and drug similarity; and finally, it is found through an in vitro cell toxicity test and a test on anti-PRRSV

activity that when the virus enters the cells, the Fructus polygoni orientalis may exert the antiviral activity by blocking the PRRSV from invading sensitive cells, and has the effect of inhibiting replication of the PRRSV.

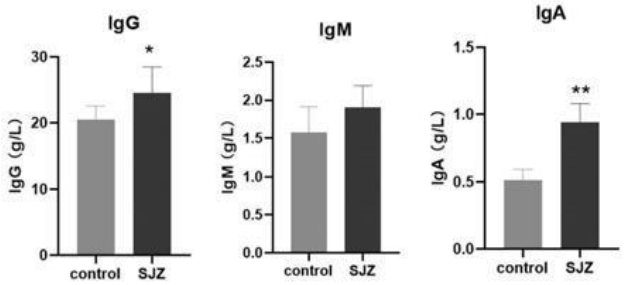


21: 2023/05404. 22: 2023/05/17. 43: 2023/11/29
51: A61K
71: NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Yanhua, QU, Qianwei, GENG, Jian

54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR IMPROVING IMMUNITY OF LIVESTOCK AND EFFECTIVE COMPONENTS

00: -

Disclosed is a traditional Chinese medicine composition for improving immunity of livestock and effective components. The traditional Chinese medicine composition is composed of Astragalus mongholicus, Atractylodes macrocephala koidz, Poria cocos and Radix glycyrrhizae. The traditional Chinese medicine composition of the present invention can improve levels of IgA, IgG, IL-2, IFN-γ, motilin and gastrin in serum of lactating sows, can also improve levels of CD4+ and CD8+ of T lymphocyte subsets, swine fever antibodies and pseudorabies gB antibodies and E-C3bRR of the lactating sows, and can reduce a level of IL-10 in the serum. The present invention further adopts an LC-MS coupling technology to identify chemical components of a compound traditional Chinese medicine in milk; and calycosin, ursolic acid, 3-epidehydropachymic acid, glabrolide, glabrone, glycyroside, 1,3-dicaffeoylquinic acid, gancaonin O, semilicoisoflavone B, licoisoflavanone and gancaonin H are determined as effective components that play a role in improving the immunity of the sows.

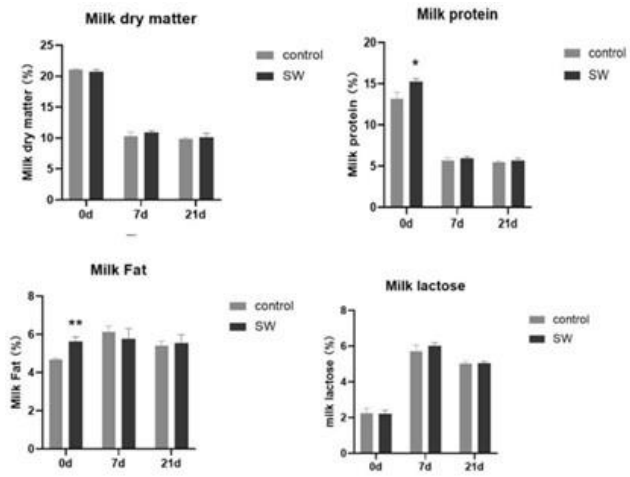


21: 2023/05405. 22: 2023/05/17. 43: 2023/11/29
51: A61K
71: NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Yanhua, ZHENG, Sidi, QU, Qianwei, GENG, Jian

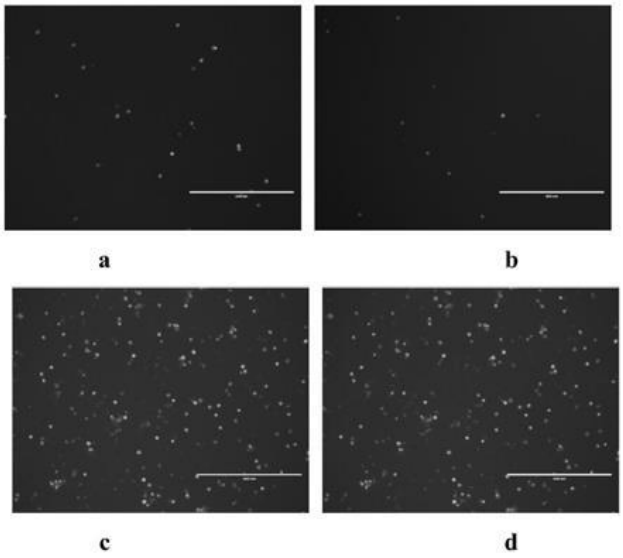
54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR IMPROVING REPRODUCTIVE PERFORMANCE OF SOWS AND EFFECTIVE COMPONENTS

00: -

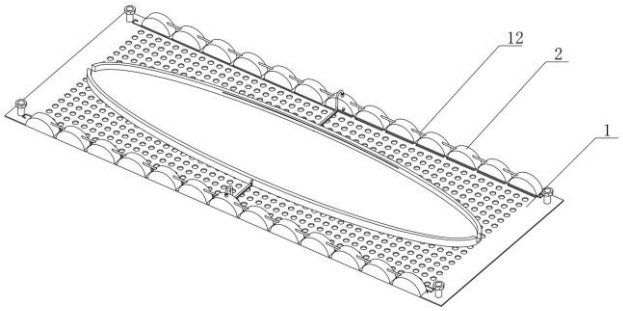
The present invention discloses a traditional Chinese medicine composition for improving reproductive performance of sows and effective components. The traditional Chinese medicine composition for improving the reproductive performance of the sows is composed of Angelica sinensis, Ligusticum wallichii, Radix Paeoniae Alba and Radix Rehmanniae Praeparata. The present invention adopts an LC-MS coupling technology to identify chemical components of the compound traditional Chinese medicine composition in milk; and according to results, components in blood are determined as 5 components including sedanolide, oxypaeoniflorin, (+)-catechin, albiflorin and Z-ligustilide, which are the effective components that play a role in the traditional Chinese medicine composition of the present invention, which play a key role in improving the reproductive performance of the sows. The present invention provides a certain guidance basis for acting mechanism research of the compound traditional Chinese medicine composition and next scientific research.



21: 2023/05406. 22: 2023/05/17. 43: 2023/11/29
51: A61K
71: NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Yanhua, DONG, Chunliu, ZHENG, Sidi
54: USE OF GALLA CHINENSIS IN PREPARATION OF DRUG FOR PREVENTING OR TREATING PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME
00: -
A use of Galla chinensis in preparation of a drug for preventing or treating a porcine reproductive and respiratory syndrome using a computer aided drug design method to predict a potential active site where a SRCR5 structural domain in a key protein CD163 for porcine reproductive and respiratory syndrome virus entry binds to a PRRSV; through computer virtual screening, theaflavin as a traditional Chinese medicine monomer having high affinity with the binding site of the CD163 SRCR5 structural domain is obtained, a crude extract of Galla chinensis rich in corresponding traditional Chinese medicine monomer is also obtained; the toxicity of the crude extract of the Galla chinensis to porcine alveolar macrophages (PAMs) is detected by a CCK8 kit, and a PRRSV-resisting test in vitro is performed at a maximum non-toxic dose concentration; results shows that the crude extract of the Galla chinensis has a effect of resisting the virus.



21: 2023/05407. 22: 2023/05/18. 43: 2023/11/22
51: A61G
71: Henan Provincial Hospital of Traditional Chinese Medicine (Second Affiliated Hospital of Henan University of Traditional Chinese Medicine)
72: Sun Lili, Chen Jianshe, Li Hui, Zhang Xinghua, Han Chunyan, Du Junge, Kong Meng
54: TEMPERATURE CONTROLLED DU MERIDIAN MOXIBUSTION PAD
00: -
The present invention relates to a temperature controlled Du meridian moxibustion pad, which effectively solves the problem of not being able to pre treat areas that are about to experience high temperatures; The technical solution to the problem includes a cushion body, with a unit block overlapping at the edge of the cushion body, a lifting mechanism at the bottom of the unit block, an inflation bag, a lifting frame, and a sliding tube. One side of the lifting frame is equipped with a spray cooling mechanism, the inflation bag is arranged between the unit block and the lifting frame, and a sliding tube is sliding on the upper surface of the lifting frame, A support spring is arranged between the sliding tube and the lifting frame. When the local temperature is high, the corresponding inflation bag can inflate to raise the unit block of the group, forming an arc protrusion on the cushion body, causing it to lift the pile of mugwort placed above the cushion body and disperse towards both sides of the protrusion, achieving the effect of dispersing the combustion point



21: 2023/05408. 22: 2023/05/18. 43: 2023/11/14
51: E21B
71: LONGYEAR TM, INC.
72: DRENTH, Christopher L., CORONA, Robert Andrew
33: US 31: 16/544,333 32: 2019-08-19
33: US 31: 16/813,135 32: 2020-03-09

54: CONTINUOUS SAMPLING DRILL BIT

00: -

A drill bit comprises a first and a second body received within the first body. Each of the first body and second body has a respective crown, each crown having an inner and an outer operative circumference. The outer operative circumference of the second body and the inner operative circumference of the first body can define a first volume that can receive a tubular core sample. The second body can define a break surface that breaks the tubular core sample into core pieces. The drill bit can be employed in a borehole with a reverse circulation system that pumps fluid around an outer surface of the bit, and returning fluid can carry the core pieces out of the borehole.

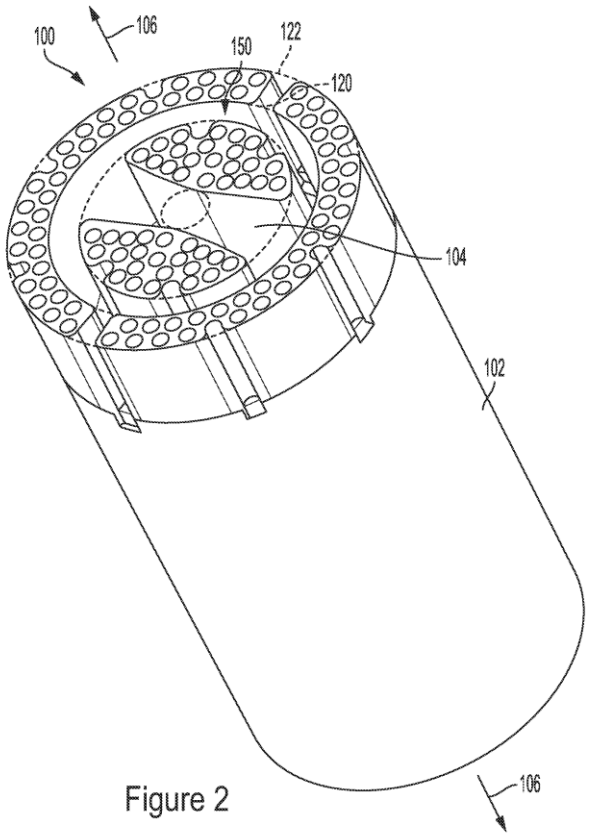


Figure 2

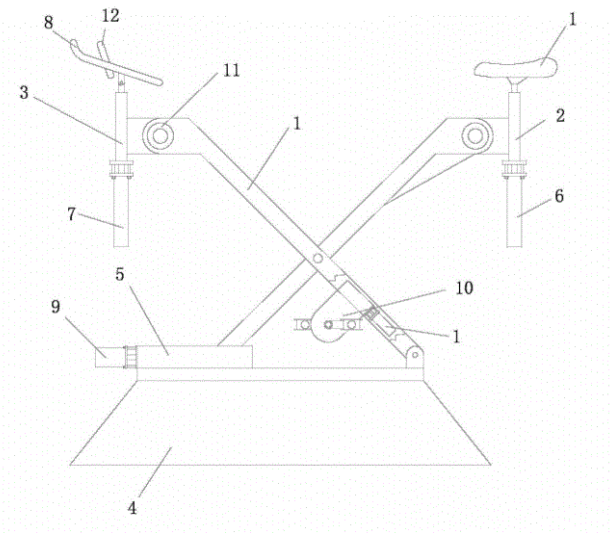
21: 2023/05409. 22: 2023/05/18. 43: 2023/11/22
51: A63B
71: DEZHOU UNIVERSITY
72: WANG, Zhikun, ZHAO, Yan, YAN, Wenning, YIN, Hao, CUI, Sheng, WANG, Zebing, ZHANG, Dechao, ZHANG, Chengdong, LIU, Jiajin

54: RIDING LIMB TRAINING DEVICE AND REGULATION METHOD THEREOF

00: -

The present disclosure provides a riding limb training device, including a bracket, a lifting base supporting body, a lifting handrail supporting body and a supporting base, where the bracket is arranged in X-shaped hinge, the lifting base supporting body and the lifting handrail supporting body are respectively hinged with a top end of the bracket, an upper end face of the supporting base is provided with a slideway, one end of a lower end of the bracket is hinged with the upper end face of the supporting base, a relative end is slidingly arranged in the slideway. In this solution, data is transmitted to a control end to adjust the whole posture of the riding equipment by adopting a human contact type detection method, so as to actively change the

movement posture during movement and relieve muscle strain caused by one posture for a long time.

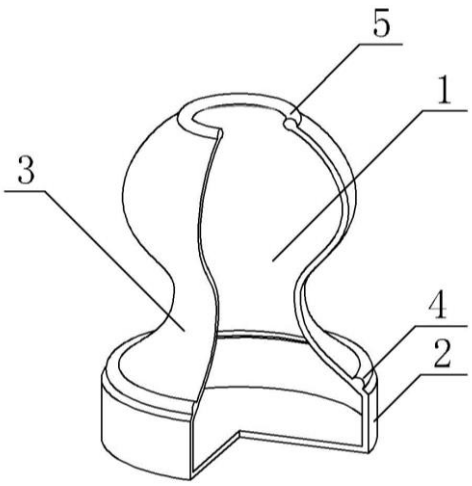


21: 2023/05410. 22: 2023/05/18. 43: 2023/11/22
51: A61B
71: The Affiliated Hospital of Southwest Medical University
72: LIU Hui, FU Yong, GAO Yidan, LIU Lang, LIAO Bin, WAN Juyi, OUYANG Yaling, LIAO Yuanyang

54: ULTRASONIC PROBE PROTECTIVE SLEEVE FOR ULTRASONIC EXAMINATION

00: -

The invention discloses an ultrasonic probe protective sleeve for ultrasonic examination, which comprises a protective sleeve body made of elastic materials, one end of which is closed and the other end is provided with an opening, and is characterized in that the protective sleeve body comprises a protective sleeve cuff, a protective sleeve part and a protective sleeve opening which are sequentially arranged from bottom to top, and an annular structure is arranged on the protective sleeve part near the protective sleeve cuff, and the annular structure protrudes circumferentially along the outer surface of the protective sleeve part. The ultrasonic probe protective sleeve can tightly wrap the ultrasonic probe, prevent the ultrasonic coupling agent from overflowing, and has the advantages of simple structure, convenient use, strong practicability, beautiful appearance, environmental protection and sanitation.

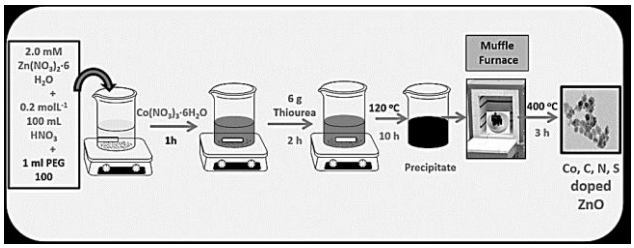


21: 2023/05411. 22: 2023/05/18. 43: 2023/11/29
51: B01J
71: DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, INGALE,Raju Shivaji, KULKARNI,Sachin A., PATIL,Ishwar
72: INGALE,Raju Shivaji, KULKARNI,Sachin A., PATIL,Ishwar

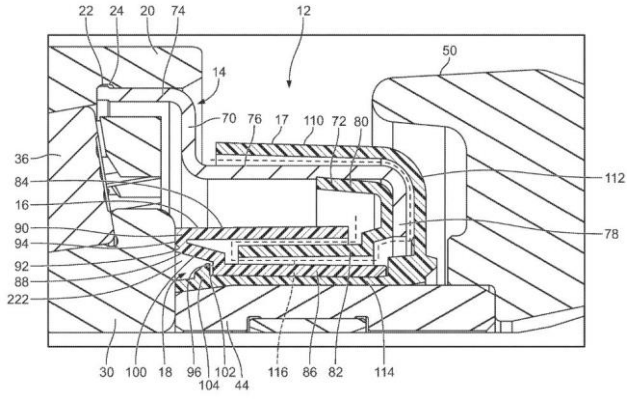
54: A METHOD FOR PREPARATION OF METAL NON-METAL INCORPORATED ZNO NANOSPHERE HETEROGENEOUS CATALYST FOR THE PHOTODEGRADTION OF ORGANIC DYE

00: -

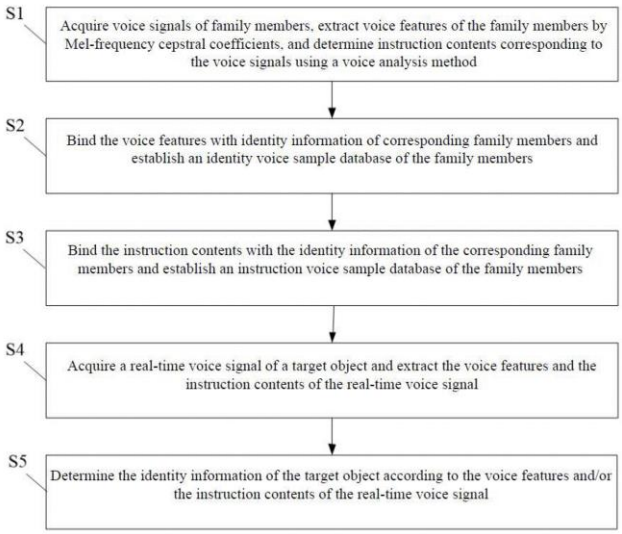
The present invention relates to a non-metal metal incorporated a ZnO nanosphere heterogeneous catalyst for the photo degradation of organic dye. According to the invention, photocatalytic degradation of organic dye by AOP is an effective method to minimize water pollution. The material used for this purpose is of semiconducting origin. The addition of dopants facilitates electron excitation and lowers the recombination rate. Moreover, dopants also increase the strength of the semiconductors. Herein, the process developed for the synthesis of novel non-metal and metal-doped ZnO is very easy, and a lot of yield is obtained, which is a remarkable fact in nanomaterial synthesis. Following are the schematic reorientations of the synthesis of the mentioned materials. The method is a low-cost, rapid one.



21: 2023/05416. 22: 2023/05/18. 43: 2023/11/29
51: F16C
71: AMSTED RAIL COMPANY, INC.
72: LIEBE, Timothy M.
33: US 31: 17/100,259 32: 2020-11-20
54: ROLLER BEARING SEAL ASSEMBLY
00: -
In accordance with one aspect of the present disclosure, a rotor for a railway roller bearing seal assembly is provided. The rotor includes an annular body rotatable about a central axis and including radially inner and outer rings. The annular body includes an intermediate portion connecting the radially inner and outer rings and spacing the radially inner ring in a first direction from a base portion of the annular body. The annular body further includes a pocket formed at least in part by the intermediate portion and a snap-fit portion axially intermediate the base portion and a free end portion of the radially inner ring. The snap-fit portion of the annular body is configured to form a snap-fit connection with a snap-fit member of a slinger that extends into the pocket.

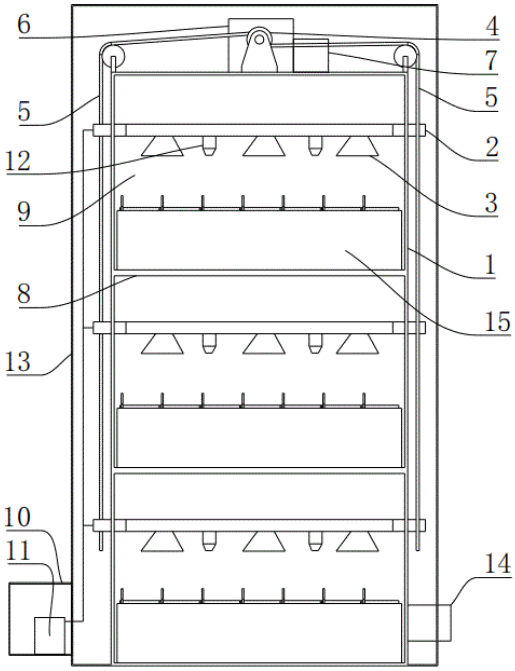


21: 2023/05448. 22: 2023/05/19. 43: 2023/11/22
51: G10L
71: Hebei Chemical and Pharmaceutical College
72: LIU, Chenguang
54: IDENTIFICATION METHOD AND APPARATUS BASED ON ARTIFICIAL INTELLIGENCE, ELECTRONIC DEVICE, AND STORAGE MEDIUM
00: -
The present invention discloses an identification method and apparatus based on artificial intelligence, an electronic device, and a storage medium, which relates to the field of artificial intelligence. The identification method based on artificial intelligence includes the following steps. Voice signals of family members are acquired, voice features of the family members are extracted by Mel-frequency cepstral coefficients, and instruction contents corresponding to the voice signals are determined using a voice analysis method. an identity voice sample database of the family members is established. an instruction voice sample database of the family members is established. A real-time voice signal of a target object is acquired, and the voice features and the instruction contents of the real-time voice signal are extracted. A recognition result of the identity information of the target object is determined according to the voice features and the instruction contents of the real-time voice signal.

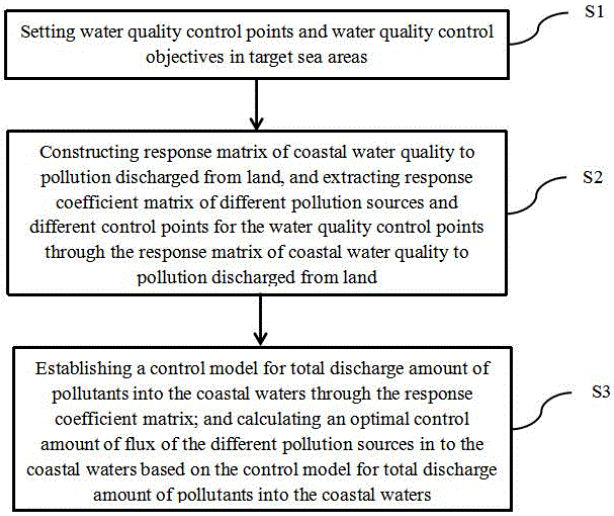


21: 2023/05449. 22: 2023/05/19. 43: 2023/11/22
51: A01G
71: Institute of Food Crops, Hainan Academy of Agricultural Sciences
72: TANG, Qingjie, YAN, Xiaowei, XING, Funeng, ZHAI, Linan, HAN, Yisheng, LI, Yixing
33: CN 31: 2023100654724 32: 2023-01-16
54: RICE PLANTING BOX
00: -
The present invention relates to the field of rice planting, and provides a rice planting box. The rice

planting box includes a box body provided with guiding structures extending along a height direction of the rice planting box; lifting seats which are provided in the box body and connected to the guiding structures in a sliding manner; illuminating lamps provided on the lifting seats; a pivot and flexible members, where the pivot is rotatably provided in the box body, the flexible members are connected to the lifting seats, and the pivot is used for winding or unwinding the flexible members so as to drive the lifting seats to ascend or descend; and a self-locking mechanism which is provided in the box body, connected to the pivot and can bear pulling force of the flexible members on the pivot.

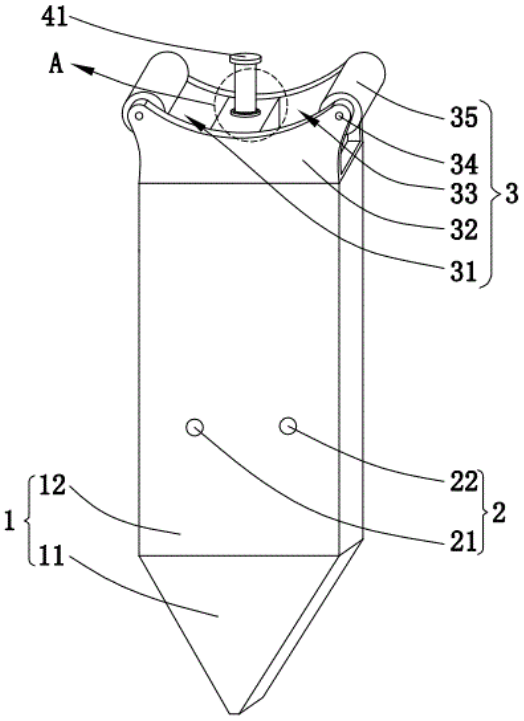


21: 2023/05450. 22: 2023/05/19. 43: 2023/11/22
51: G06F
71: FIRST INSTITUTE OF OCEANOGRAPHY, MINISTRY OF NATURAL RESOURCES
72: SHI Honghua, ZHENG Wei, WANG Yongzhi, HUANG Pei
33: CN 31: 202211609077X 32: 2022-12-15
54: OPTIMAL CONTROL METHOD OF POLLUTANT FLUX INTO COASTAL WATERS BASED ON VIRTUAL DISCHARGE AMOUNT
00: -
Disclosed is an optimal control method of pollutant flux into the coastal waters based on virtual discharge amount, comprising: setting water quality control points and water quality control objectives in target sea areas; constructing response matrix of coastal water quality to pollution source discharged from land, and extracting response coefficient matrix of different pollution sources and different control points for the water quality control points through the response coefficient matrix of coastal water quality to pollution source discharged from land; and establishing a control model for total discharge amount of pollutants into the coastal waters through the response coefficient matrix; and calculating an optimal control amount of flux of the different pollution sources into the coastal waters based on the control model for total discharge amount of pollutants into the coastal waters.



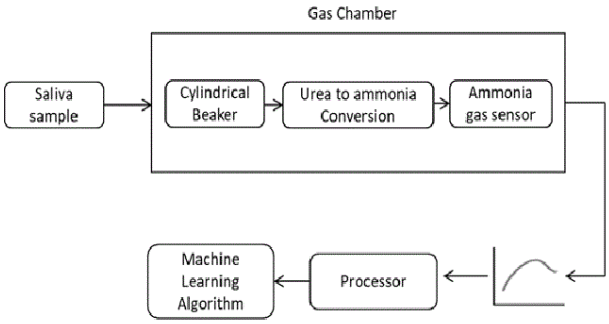
21: 2023/05451. 22: 2023/05/19. 43: 2023/11/22
51: A01G
71: Hangzhou Shuiliang Vegetable Professional Cooperative
72: ZHONG, Shuiliang, WANG, Jianming, ZHONG, Yuting, FAN, Zhengwei, DING, Haiyong, ZHU, Shasha, FANG, Jianfei
33: CN 31: 202310535988.0 32: 2023-05-12
54: SOYBEAN PLANTING AND FERTILIZATION ALL-IN-ONE MACHINE
00: -
The present invention provides a soybean planting and fertilization all-in-one machine, including a fixed structure, a feeding structure, a pressing structure, and a seeding structure, where the fixed structure includes a seed storage box; the feeding structure is fixed to a top end of the seed storage box; the pressing structure is slidably connected inside the seed storage box; the seeding structure is rotatably

connected inside the seed storage box; and the seeding structure includes a first rotating shaft, a second rotating shaft, first seeding discs, first fixed slots, second seeding discs, second fixed slots, a first gear, a second gear, and fixed blocks, where the first rotating shaft is rotatably connected inside the seed storage box, the two first seeding discs are available and are both fixed outside the first rotating shaft, the two first seeding discs are both rotatably connected inside the seed storage box, and the first gear is clamped between the two first seeding discs. The soybean planting and fertilization all-in-one machine provided by the present invention facilitates seeding and counting, reduces labor intensity, and improves work efficiency.



21: 2023/05452. 22: 2023/05/19. 43: 2023/11/22
51: G01N
71: Dr. Vinayak Bairagi, Dr. Sharad Tukaram Jadhav, Dr. Mrinal Rahul Bachute, Dr. Chandraprabha Manjare, Dr. Kaustubh Manikrao Gaikwad
72: Dr. Vinayak Bairagi, Dr. Sharad Tukaram Jadhav, Dr. Mrinal Rahul Bachute, Dr. Chandraprabha Manjare, Dr. Kaustubh Manikrao Gaikwad
54: SYSTEM AND METHOD FOR DETECTION OF KIDNEY DISORDERS
00: -

A system and method for detection of kidney disorders, and more particularly, to system and method for the non-invasive detection and monitoring of chronic kidney disease by monitoring the saliva urea concentration. a non-invasive method for detecting one or more kidney diseases is disclosed. The method includes the steps of obtaining the saliva of the user by a receiving slot of a device, and determining a concentration of urea in the obtained saliva by a sensor unit enclose inside a gas chamber of the device and coupled to the receiving slot. The concentration of urea is determined by converting the urea into ammonia using one or more urease enzymes enclosed in the gas chamber.

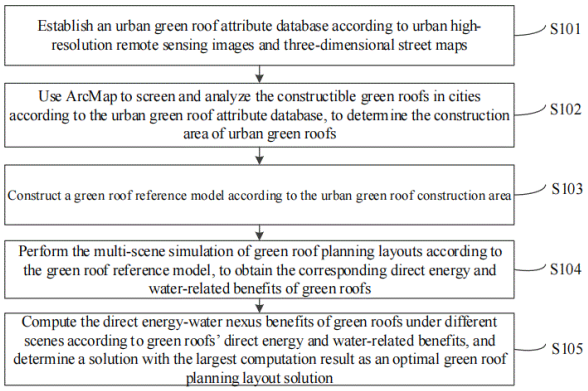


21: 2023/05453. 22: 2023/05/19. 43: 2023/11/22
51: C07D
71: Chongqing Sericulture Science and Technology Research Institute
72: TANG, Lu, YANG, Biwen, LIU, Yan, HUANG, Chuanshu, SONG, Zhiguang, LUO, Taiming, SHEN, Lunfu, LI, Shuo, YANG, Ting, SONG, Changgui, GAO, Liang
54: METHOD FOR RAPIDLY EXTRACTING VITAMIN E FROM GREEN PLANT LEAVES
00: -

Disclosed is a method for rapidly extracting vitamin E from green plant leaves. The present invention includes: pulverizing green plant leaves, performing alcohol extraction, adding an extractant to an alcohol extraction product, and evenly mixing a mixture; adding a potassium hydroxide solution, and performing ultrasonic extraction; adding, after an ultrasonic extraction solution is cooled, petroleum ether for oscillating extraction, washing an ether phase with ultrapure water many times, and blowing washed ether phase nitrogen to dryness; and adding methanol for redissolution and filtering a mixture for later use. According to the present invention, the

alcohol extraction and ultrasonic saponification are combined to optimize extraction conditions and steps, operation steps are simple, short time is consumed, few reagents are consumed, an extraction result is stable and contain few impurities, and theoretical bases and technical support are provided for extraction and utilization of natural vitamin E.

21: 2023/05454. 22: 2023/05/19. 43: 2023/11/22
51: G06F
71: Beijing Normal University
72: MENG, Fanxin, YUAN, Qiuling, LIU, Gengyuan, YANG, Zhifeng
33: CN 31: 2023101384192 32: 2023-02-14
54: PLANNING LAYOUT METHOD AND SYSTEM FOR URBAN GREEN ROOFS
00: -
Disclosed in the present invention are a planning layout method and system for urban green roofs. The method includes: establishing an urban green roof attribute database according to urban high-resolution remote sensing images and three-dimensional street maps; using ArcMap to screen and analyze the constructible green roofs in cities according to the urban green roof attribute database, to determine the construction area of urban green roofs; constructing a green roof reference model according to the urban green roof construction area; performing a multi-scene simulation of a green roof planning layout according to the green roof reference model, to obtain the corresponding direct energy and water related benefits of green roofs; and computing the direct energy-water nexus benefits of green roofs under different scenes according to the energy and water related direct benefits of green roofs, and determining an optimal green roof planning layout solution.



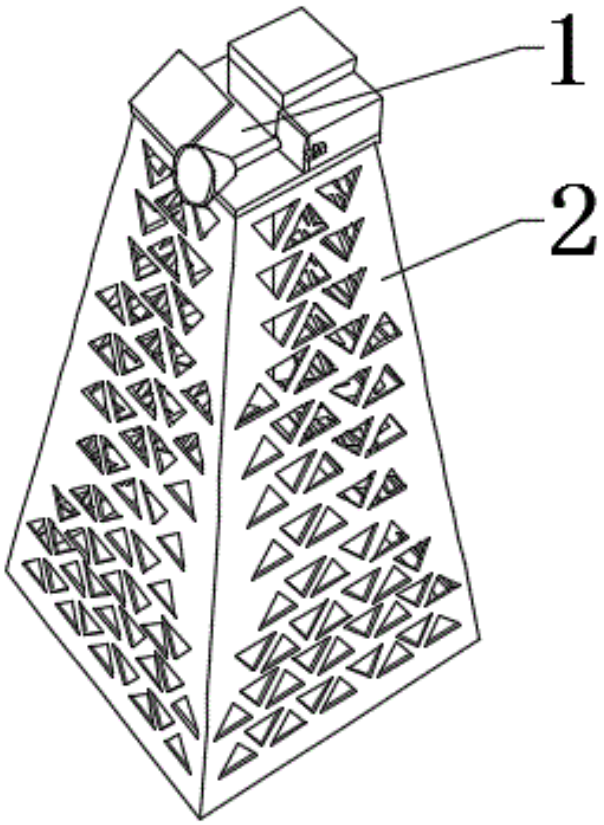
21: 2023/05455. 22: 2023/05/19. 43: 2023/11/22
51: A01G
71: Sichuan Academy of Forestry Sciences, Jintang Municipal Bureau of Agriculture and Rural Affairs
72: YANG, Zhiwu, LIU, Juan, LUO, Chengrong, LIU, Mao, YU, Lingfan, WU, Wanbo, CHEN, Shanbo, HUANG, Yang, CHEN, Wei, LIU, Junli
54: COMPOSITE HARVESTING AND PRUNING METHOD FOR ZANTHOXYLUM BUNGEANUM
00: -
The present disclosure belongs to the technical field of Zanthoxylum bungeanum planting, particularly relates to a composite harvesting and pruning method for Zanthoxylum bungeanum. According to the method, Zanthoxylum schinifolium Sieb.et Zucc. production areas in mid-Sichuan hilly region and mountainous areas around Sichuan Basin and Zanthoxylum bungeanum production areas in mountainous areas in southwest Sichuan are divided into different regions based on the altitude, and different harvesting and pruning methods are adopted in different regions; through harvesting and pruning according to local conditions, tree vigor of Zanthoxylum schinifolium Sieb.et Zucc can be restored, the alternate bearing phenomenon can be reduced, and the harvesting instead of pruning technology can be applied in high-altitude production areas, which can reduce the cost of Zanthoxylum bungeanum harvesting, and the quality and yield of Zanthoxylum bungeanum can be improved when Zanthoxylum bungeanum is harvested after ripening in various production areas.

21: 2023/05462. 22: 2023/05/19. 43: 2023/11/29
51: G01R
71: Xinyu university
72: Peng Xiaojun, Li Naigen

54: A COMMUNICATION TOWER FAULT WARNING DEVICE

00: -

The present invention discloses a communication tower fault warning device, comprising a communication tower, said communication tower is provided with a tilt monitoring module on top, said tilt monitoring module includes a horizontal mounting table and the horizontal mounting table is fixedly connected to the communication tower, said communication tower is fixedly connected with a box on the top right rear part. In the present invention, the ball will break away from the tray and roll downward under the action of gravity, and finally hit the trigger plate, which will stretch the spring and trigger the trigger switch, and then the trigger switch will transmit the signal to the controller and control the work of the horn through the controller, so as to play the function of warning.

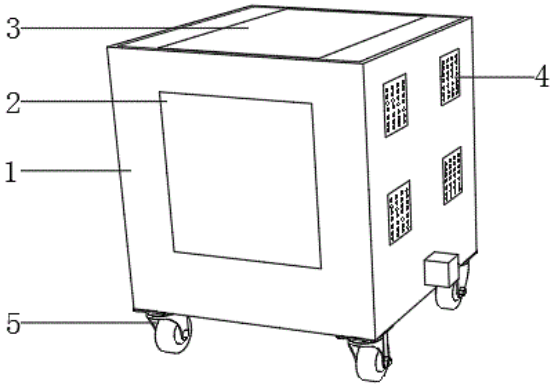


21: 2023/05463. 22: 2023/05/19. 43: 2023/11/29
51: G09B
71: Jiangsu College Of Safety Technology
72: Li Qiang
33: CN 31: 2023105257092 32: 2023-05-11

54: AN ELECTRICAL AUTOMATION TEACHING SIMULATION CONTROL CABINET

00: -

The present invention discloses an electrical automation teaching simulation control cabinet, comprising a cabinet, said cabinet having a viewing window running through and fixedly connected to the front outer wall at an intermediate position, said cabinet having a fan fixedly connected to the inner wall on both sides at an upper and lower intermediate position, said cabinet having a door running through and slidingly connected to the top intermediate position, said cabinet having a mounting frame running through and provided on both sides of the outer wall at an upper and lower intermediate position. The cabinet body has a door running through and slidingly connected to it, and a mounting frame running through and provided on the upper and lower middle of the outer wall on both sides of said cabinet body. In the present invention, through the linkage between the fan, breathable net, mounting frame and dustproof net provided in the cabinet body, the internal temperature is dissipated during use.



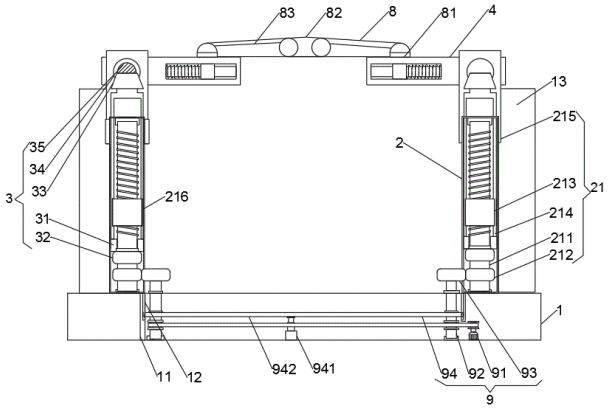
21: 2023/05464. 22: 2023/05/19. 43: 2023/11/29
51: E04H
71: Xinyu University
72: Hua Genyong, Gan Yilan
33: CN 31: 2023104805935 32: 2023-04-28

54: A PROTECTIVE BRACKET FOR BUILDING CONSTRUCTION

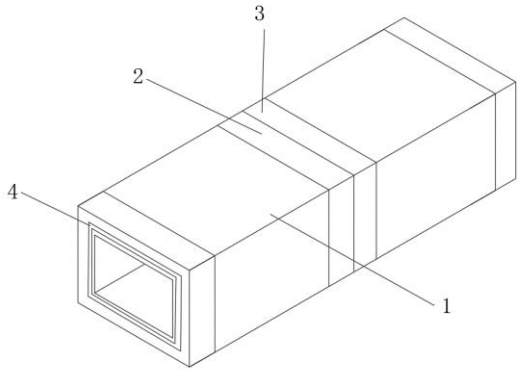
00: -

The present invention provides a protective bracket for building construction, which relates to the technical field of protective devices and comprises: a base, a fixed bar, an angle adjustment assembly, a

mounting plate, a sliding post and a moving plate. Two first gears are rotated on the mounting plate, and each first gear is engaged with the outward side walls of the two bi-directional rack plates; each second gear is engaged with the inward side walls of the two bi-directional rack plates. Each first gear is connected to the outward facing side walls of the two bi-directional rack plates; each second gear is connected to the inward facing side walls of the two bi-directional rack plates. By setting the mounting plate at different inclinations, the collision force between the falling object and the mounting plate can be greatly reduced, and at the same time, a double layer and a wider range of protection can be achieved by the moving plate, which is beneficial to improve the protection effect and the service life of the protection device.

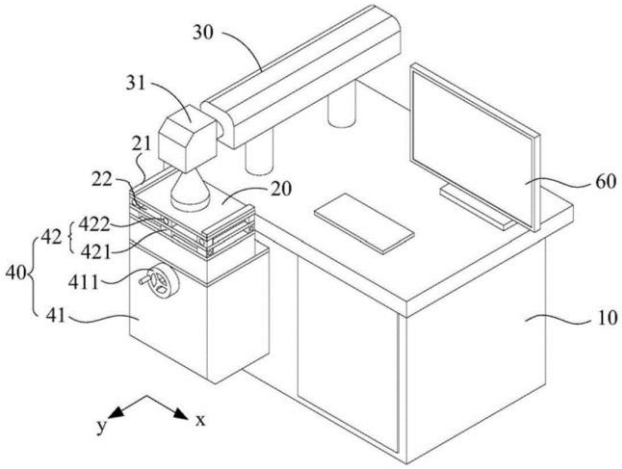


21: 2023/05465. 22: 2023/05/19. 43: 2023/11/29
51: E02D
71: Xinyu University
72: Wei Fang, Huang Ying, Li Jie
33: CN 31: 2023105456363 32: 2023-05-15
54: AN ASSEMBLY TYPE INTEGRATED PIPE CORRIDOR MANUFACTURING FIXING DEVICE
00: -
The invention discloses an assembly type integrated pipe corridor manufacturing fixing device, comprising a pipe corridor body, said pipe corridor body has a first connection frame and a second connection frame fixedly mounted on the side of the body away from each other, said first connection frame has a frame shaped moving slot on the side. In the present invention, first of all, the rotating rod makes the screw rod rotate through the first bevel gear and the second bevel gear, and under the action of the guiding rod, the moving block moves horizontally, the fixed frame moves to squeeze the first trapezoidal block, which in turn makes the first trapezoidal block shrink, and under the action of the squeezing spring, the first trapezoidal block fixes the fixed frame, thus realising quick fixing.



21: 2023/05490. 22: 2023/05/22. 43: 2023/11/22
51: B23K
71: SHENZHEN INSTITUTE OF INFORMATION TECHNOLOGY
72: XIAO Haibing, ZHOU Yongquan, ZHANG Yunsheng
54: LASER COMBINED POLISHING DEVICE FOR METAL 3D PRINTED PARTS
00: -
The application provides a laser combined polishing device for metal 3D printed parts, which includes a cabinet, a workbench arranged on the cabinet and a light path system; the light emitting end of the light path system is located above the workbench and can irradiate the laser onto the workbench; the workbench is provided with a first energy field generator and a second energy field generator, where the first energy field generator is located at two sides of the workbench, the second energy field generator and the first energy field generator are orthogonally arranged at the workbench, and the workbench is provided with an electrically controlled permanent magnetic chuck; the workbench is provided with a rotary disk. According to the laser combined polishing device for metal 3D printed parts provided by the application, the surface of 3D printed metal workpieces can be polished, at the same time, the flow of polishing molten pool can be improved by magnetic field assistance, the surface roughness can be greatly reduced, the polishing efficiency can be greatly improved, polishing cracks can be

controlled, the surface performance of the workpieces can be improved, and the surface strength and wear resistance of the workpieces can be effectively improved.

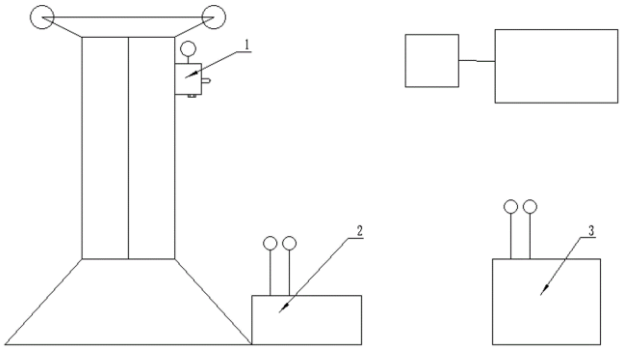


21: 2023/05492. 22: 2023/05/22. 43: 2023/11/22
51: C01B
71: Shanghai University
72: BU, Naijing, ZHEN, Qiang
54: SUB-MICRON 4A-TYPE MOLECULAR SIEVE AND PREPARATION METHOD THEREOF
00: -
The present invention discloses a sub-micron 4A-type molecular sieve and preparation method thereof, where a cubic 4A-type molecular sieve may be prepared. The method includes the following steps: (1) provision of coal gangue; (2) activation of the coal gangue; (3) preparation of alkali-fused clinker; (4) alkali dissolution of insoluble substances; and (5) preparation of sub-micron 4A-type molecular sieve. The sub-micron 4A-type molecular sieve prepared by the present invention has a single crystalline phase and a morphology of a regular block cube with obvious edges and corners, with a uniform grain size of an average particle size of 0.6±0.1 micrometers and a Ca 2+ exchange capacity of 323 mg CaCO3/g dry basis. The preparation process is simple, with requirements for the process and equipment being not high. The prepared sub-micron 4A-type molecular sieve has high purity and calcium ion exchange capacity with significant improvement.

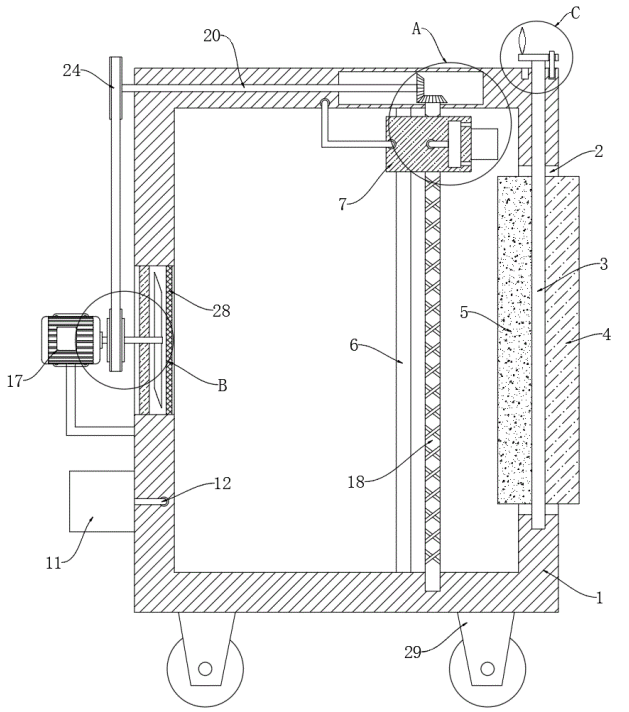
21: 2023/05494. 22: 2023/05/22. 43: 2023/11/29
51: G06F
71: MOHANTY,Jyoti Ranjan, MOHAPATRA,Manas Ranjan, KALRA,Akash, ARORA,Anu, PRIYA,Bandana, THAKUR,Ganesh Kumar, MEGHRAJANI,Indra, THOMAS,Robin, SATHIAN,Brijesh, YELPALE,SayaliKarmode
72: MOHANTY,Jyoti Ranjan, MOHAPATRA,Manas Ranjan, KALRA,Akash, ARORA,Anu, PRIYA,Bandana, THAKUR,Ganesh Kumar, MEGHRAJANI,Indra, THOMAS,Robin, SATHIAN,Brijesh, YELPALE,SayaliKarmode
54: ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS ENABLED SYSTEM FOR ANALYSIS AND IMPROVEMENTS IN FINANCE INDUSTRY
00: -
The present invention relates to provide an Artificial Intelligence and Internet of Things enabled system for analysis and improvements in finance industry. The advancement of technologies such as Artificial Intelligence (AI), Machine Learning (ML), Bigdata analysis and Internet of Things (IoT) has further enhanced the capabilities of analysis in the finance industry. These technologies can process large volumes of data, identify patterns, and generate insights at a faster pace, enabling more accurate and timely decision-making.Artificial Intelligence (AI) and the Internet of Things (IoT) are used to fraud detection, risk assessment, customer insights and personalization, Automated Trading and Investment, Smart Contract and Regulatory Compliance, Predictive Analytics and Forecasting, Operational Efficiency and Cost Reduction etc.

21: 2023/05495. 22: 2023/05/22. 43: 2023/11/29
51: G01R
71: Anhui Polytechnic University
72: Yuan yiming, Jiang ming, Xu gang, Huang yiqing, Lu huacai, Zhu caojun, Ye xin
54: SYSTEM FOR DETECTING SHORT CIRCUIT POINT OF HIGH-VOLTAGE ALTERNATING-CURRENT TRANSMISSION CABLE
00: -
The present invention discloses a system for detecting a short circuit point of a high-voltage alternating-current transmission cable and belongs to the technical field of power transmission equipment. In order to achieve the purpose of detecting the short circuit point of the high-voltage cable, the system for detecting the short circuit point of the high-voltage alternating-current transmission cable includes a preliminary signal transceiver arranged on an upper part of the power transmission

tower, a signal transmission device arranged below the power transmission tower, a processing center for transmitting signals with the signal transmission device and a display module arranged at the processing center. When the preliminary signal transceiver on one or a plurality of power transmission towers does not send a signal to the processing center through the signal transmission device, the processing center sends a fault signal of the power transmission tower to the display module, and the corresponding power transmission tower on the display module is displayed in gray. The short circuit point of the high-voltage alternating-current transmission cable can be judged timely and accurately through information displayed on the display module at the processing center.

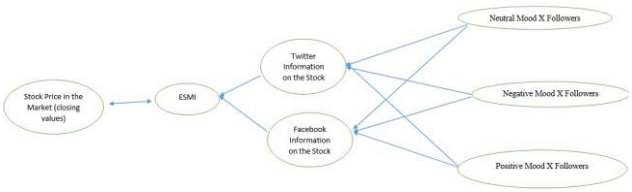


21: 2023/05496. 22: 2023/05/22. 43: 2023/11/29
51: G06Q
71: Xinyu University
72: Gan Yilan, Hua Genyong
33: CN 31: 2023104805333 32: 2023-04-28
54: AN INTERACTIVE MULTIMEDIA DEVICE FOR INNOVATION AND ENTREPRENEURSHIP EDUCATION
00: -
The present invention discloses an interactive multimedia device for innovation and entrepreneurship education, comprising a multimedia box, said multimedia box having a mounting opening in the side wall, said mounting opening having a rotating shaft connected to the inner wall, said display screen fixedly connected to the side wall of said shaft, said blackboard fixedly connected to the side wall of said shaft, said cleaning mechanism for cleaning the blackboard installed in said multimedia box, said cleaning mechanism comprising a sliding bar fixedly connected to the inner wall of the multimedia box, said sliding bar having a sliding block connected to the side wall of said sliding bar, said sliding block said side wall is fixedly connected with a blackboard eraser, said cleaning mechanism also includes a dust suction slot opened in the slider, said dust suction slot has a plurality of dust suction holes opened in the inner wall, said multimedia box side wall is fixedly connected with an extractor fan, said extractor fan side wall is fixedly connected with a dust suction tube. In the present invention, the display screen and the blackboard can be turned over by turning the turner, so that the display screen can be displayed and then the blackboard can be explained, which is convenient to use and easy to carry, and the cost is low.

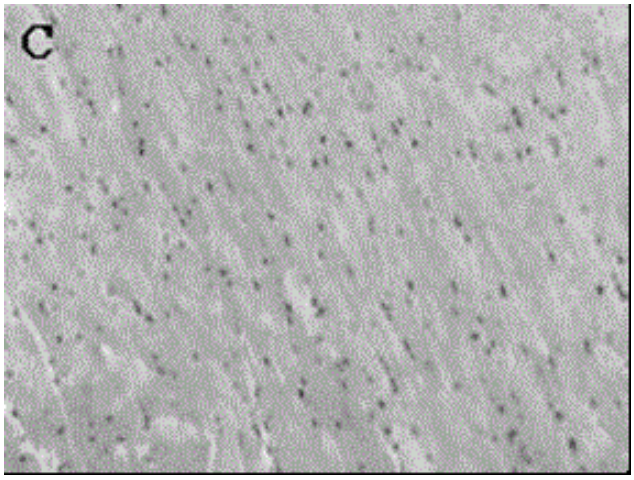


21: 2023/05497. 22: 2023/05/22. 43: 2023/11/29
51: G06Q
71: Sakthivel Santhoshkumar, Dr. Murugesan Selvam, Dr. S. Balakrishnan, Dr. S. Mohan, Dhamotharan Dhanasekar
72: Sakthivel Santhoshkumar, Dr. Murugesan Selvam, Dr. S. Balakrishnan, Dr. S. Mohan, Dhamotharan Dhanasekar
54: SYSTEM AND METHOD FOR STOCK MARKET PREDICTION USING INFLUENCE OF EXTENDED SOCIAL MOOD INDEX
00: -

The present invention relates to System and method for stock market prediction using influence of extended social mood index through a computer model using bigdata computing. The objective of the present invention is to solve the problems in the prior art technologies related stock market prediction using social media behavior. The system and method for stock market prediction utilizing an Extended Social Mood Index (ESMI) and machine learning. The system collects diverse data types including social media data and stock market data. The ESMI model processes this data, categorizing social media interactions and factoring in financial parameters. A machine learning module then predicts stock market behavior based on the processed data and the current status of the stock market. The system offers targeted data collection and rigorous filtering mechanism, enhancing prediction accuracy and reliability.

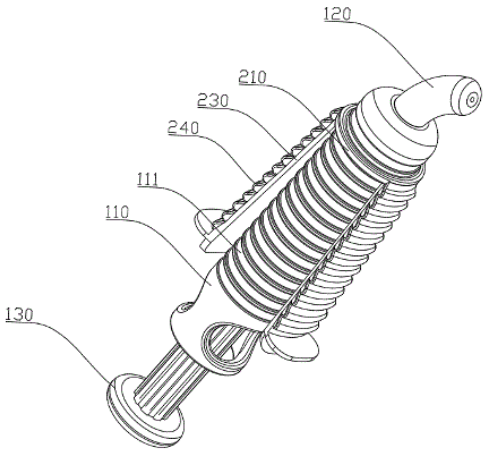


21: 2023/05498. 22: 2023/05/22. 43: 2023/11/29
51: A61K
71: FIRST AFFILIATED HOSPITAL OF XINJIANG MEDICAL UNIVERSITY
72: CHEN, Siyu, LI, Aimei, MA, Yan, DENG, Li, GAO, Rui
33: CN 31: 202310073255.X 32: 2023-02-07
54: APPLICATION OF DEXMEDETOMIDINE IN PREPARATION OF DRUGS FOR TREATING MUSCLE TISSUE INFLAMMATION
00: -
The present invention relates to technical field of postoperative inflammation treatment, and more specifically, to an application of dexmedetomidine in preparation of drugs for treating muscle tissue inflammation. The present invention solves a problem in the prior art that there are no effective drugs for inflammatory reaction of I/R mice. The present invention reduces inflammatory reaction of myocardial ischemia/reperfusion injury through the dexmedetomidine, and the inflammatory reaction of the I/R mice treated with the dexmedetomidine is slowed down, and a therapeutic effect thereof can be expected.

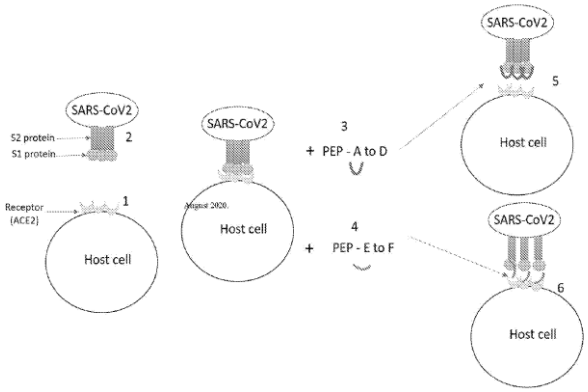


21: 2023/05499. 22: 2023/05/22. 43: 2023/11/29
51: A61M
71: INNER MONGOLIA MEDICAL UNIVERSITY
72: LI, Xinhong, ZHAO, Pengwei, YANG, Xinglong, ZHANG, Jihong
33: CN 31: 202223531081.7 32: 2022-12-29
54: INTRANASAL SUSTAINED RELEASE ADMINISTRATION DEVICE FOR PATIENTS CONTRACTING NASOPHARYNGEAL CARCINOMA
00: -
The present utility model has disclosed an intranasal sustained release administration device for patients contracting nasopharyngeal carcinoma, relating to the technical field of intranasal administration devices. Most intranasal sustained release administration devices are unable to carry out close stable administration to the deeply-sited nasal cavity portion, and when the injection sprayer for sustained release administration carries out administration to the deeply-sited nasal cavity portion, it is unstably handled or difficultly controlled for uniform injection. In the present utility model, a positioning member is rotationally mounted on the drug tube of the injection sprayer, helping to control the administration depth; the position for rotationally mounting the positioning member is adjustable in the axial direction of the drug tube, helping to control the administration angle; the positioning member expands to support at a narrowing point of the nostril's way in; the side wall of one end of the drug tube far away from the sprayer head end symmetrically sinks to form a clamping groove, through which fingers also assist in

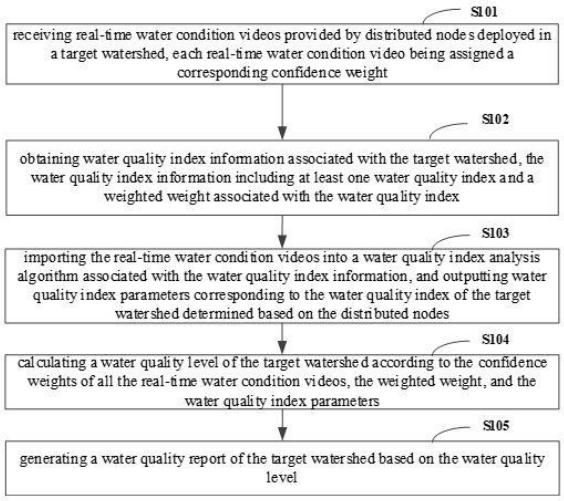
stabilizing the pushing speed of an injection pusher, this structure enables close-range, flexible and stable sustained release administration at the nasal cavity depth.



21: 2023/05514. 22: 2023/05/22. 43: 2023/11/29
51: A61K; C07K; A61P
71: NEUOME PEPTIDES PTE. LTD.
72: VANGALA, Rajanikanth
33: IN 31: 202041042101 32: 2020-10-28
54: PEPTIDES AND CONJUGATES THEREOF AS ACE-2 AND S1 SUBUNIT MIMICS AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS-2 (SARS-COV2) INFECTION
00: -
The present invention provides peptides and conjugates thereof, as ACE-2 and S1 subunit mimicking peptides for the prevention and control of Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV2) infection by preventing the binding of Severe Acute Respiratory Syndrome Coronavirus-2 to the target cells.

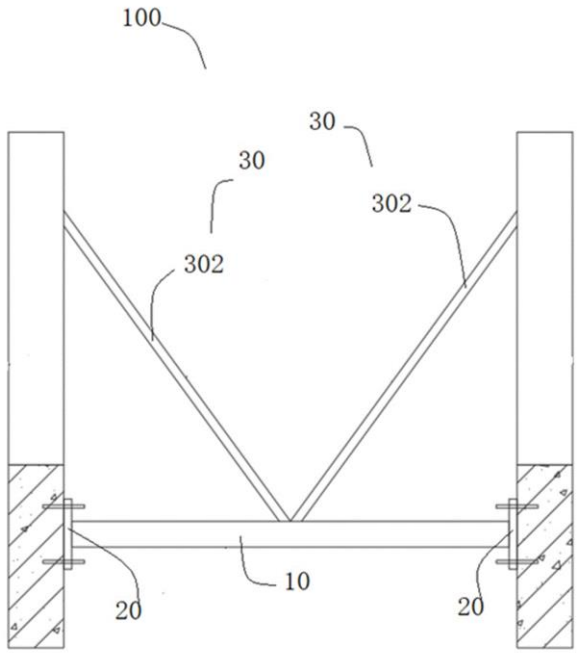


21: 2023/05525. 22: 2023/05/22. 43: 2023/11/29
51: G06Q
71: LONGSE TECHNOLOGY CO., LTD.
72: QUAN, Shaojun, LIN, Ge, CHEN, Xiaoyan, LIANG, Shaoling
33: CN 31: 202111219181.3 32: 2021-10-20
54: METHOD AND DEVICE FOR GENERATING WATER QUALITY REPORT BASED ON DISTRIBUTED NODES, ELECTRONIC DEVICE, AND STORAGE MEDIUM
00: -
Disclosed are a method for generating water quality report based on distributed nodes and an electronic device. The method includes: receiving real-time water condition videos provided by distributed nodes deployed in a target watershed, obtaining water quality index information associated with the target watershed, inputting the real-time water condition videos into a water quality index analysis algorithm associated with the water quality index information and outputting water quality index parameters corresponding to the water quality index of the target watershed, calculating a water quality level of the target watershed according to the confidence weights of all the real-time water condition videos, the weighted weight associated with the at least one water quality index, and the water quality index parameters, and generating a water quality report of the target watershed based on the water quality level.



21: 2023/05537. 22: 2023/05/23. 43: 2023/11/22
51: E04G
71: CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD
72: DENG Lihao, LI Xin, YANG Xuekang, WU Shaosong, ZHOU Pei, LIN Wenneng
33: CN 31: 202221281932.4 32: 2022-05-26
54: FIXING DEVICE OF PC STRUCTURE
00: -

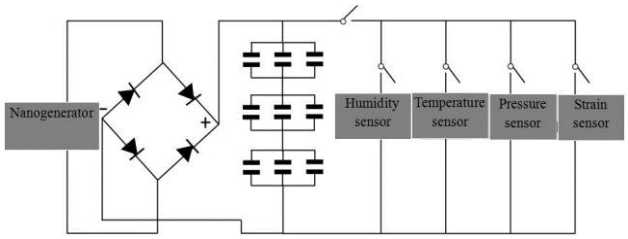
The present invention provides a guide device for threading steel strands, comprising: a guide head, wherein a front end of the guide head is a smooth guide end, and a hinging seat extends from a rear end; a wiring element, wherein the front end of the wiring element is correspondingly hinged on the hinging seat through a hinging plate, a rear end has a wiring hole extending along an axial direction, and the steel strand is correspondingly fixed in the wiring hole; and pull wires, which are correspondingly connected to the guide head. The guide device comprises two parts: the guide head and the wiring element which are hinged with each other; under the traction of the pull wires, the guide head can be inclined according to the direction of the hole in the bellows, so that the guide device penetrates through the bent part of the hole in the bellows more easily, thereby reducing the difficulty of threading.



21: 2023/05538. 22: 2023/05/23. 43: 2023/11/22
51: A41D; G01N; H05K
71: Anhui Polytechnic University
72: ZHENG Xianhong, LI Changlong, WANG Peng, TANG Jinhao, DING Binbin, HU Qiaole, NIE Wenqi, LIU Tongshuang, LI Zhiying, HE You
54: ALL-FABRIC-BASED SELF-POWERED MULTI-DRIVE SENSING SYSTEM, AND PREPARATION METHOD AND APPLICATION THEREOF
00: -

The invention relates to the technical field of intelligent wearable textiles, in particular to an all-fabric-based self-powered multi-drive sensing system, a preparation method and an application thereof, including a fabric-based energy collection unit and a fabric-based energy storage unit, where the fabric-based energy collection unit is a fabric nanogenerator, the fabric-based energy storage unit is a fabric-based all-solid-state supercapacitor, the fabric nanogenerator and the fabric-based all-solid-state supercapacitor are assembled in series. The all-fabric-based self-powered multi-drive sensing system also includes a sensor group connected in series with the fabric-based all-solid-state supercapacitor, and the sensor group includes a humidity sensor, a temperature sensor, a strain sensor and a pressure sensor which are connected in parallel. The mechanical energy of human movement can be converted into electrical energy in

real time and stored to supply energy for multi-drive sensor devices. The energy collection process is not restricted by environmental conditions, and it can respond to various stimuli such as temperature, humidity, pressure and strain.



21: 2023/05540. 22: 2023/05/23. 43: 2023/11/22
51: C04B; E04B; E05G
71: NATIONAL STAINLESS STEEL CENTRE (Pty) Ltd, NALEDI TELECOMS (Pty) Ltd
72: Mischel Frljak, Cyril Kgoedi, Dean Halles, Paul Faku
33: ZA 31: 2022/10927 32: 2022-10-05
54: MODULAR SECURITY CABINET
00: -
THIS invention relates to a modular security cabinet. More particularly, the invention relates to heavy, theft resistant modular security cabinet for the securement of electronic equipment for, amongst other applications, cellular phone base stations. The modular security cabinet includes: a pair of opposing sidewall panels, a rear wall panel, a top panel and a base panel being securable to one another to form an enclosure defining an opening thereinto; a pivotally supported door panel being moveable over the opening of the enclosure between respective open and closed conditions; anda lock mechanism for locking the door panel in the closed condition. Each of the panels are: made up of opposing inner and outer wall skins spaced from one another by peripheral end walls thereby to define a panel cavity therein; comprise rebars fixed within the panel cavity; and define a port through which a settable material is pourable into the panel cavity.

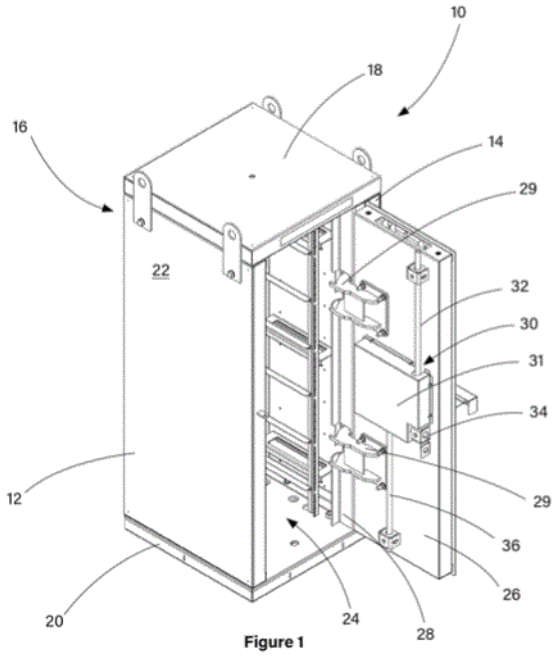
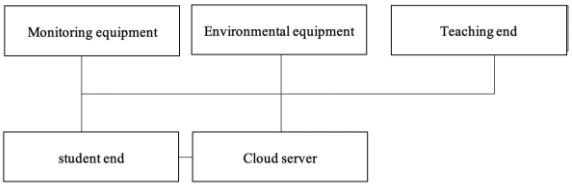


Figure 1

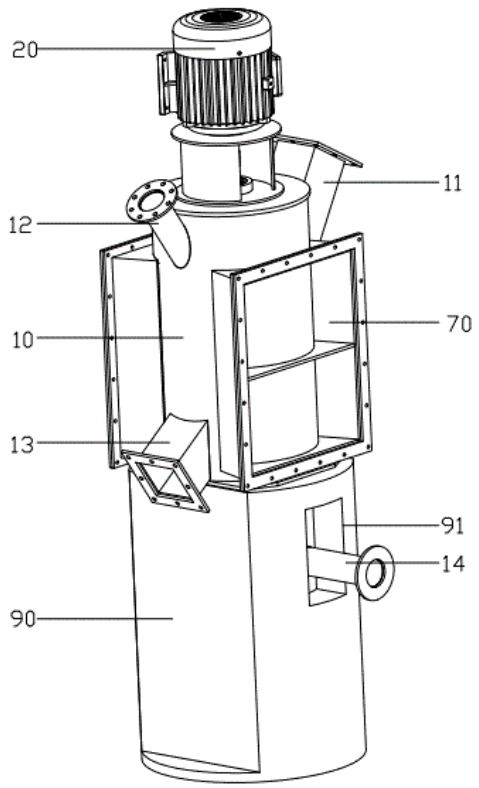
21: 2023/05541. 22: 2023/05/23. 43: 2023/11/22
51: A23L
71: Zhongkai University of Agriculture and Engineering
72: Wang Wei, Bai WeiDong, Ren WenBin, Xin Xuan, Qian Min, Wang JingYu, Wu JiaLin
33: CN 31: 2022106822714 32: 2022-06-16
54: CHEESE FLAVOR BASE, AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
Disclosed in the present disclosure are a cheese flavor base, and a preparation method and application thereof, which relate to the field of food additives. The cheese flavor base is obtained through a Maillard reaction of an enzymatic hydrolysate, a reducing compound sugar and an amino acid, where the enzymatic hydrolysate is obtained through an enzymatic hydrolysis reaction of butter, whey powder, ethyl maltol, lipase, protease and water, the compound sugar includes xylose and glucose, and the amino acid is isoleucine. According to the present application, the butter is used as a substrate, the whey powder, the ethyl maltol, the lipase and the protease are added for double enzymolysis, the amino acid and the reducing sugar are added for the Maillard reaction, and generation of a specified product is purposefully controlled, such that generation of beneficial products is promoted in a food processing process, generation

of harmful products is inhibited, a natural milk flavor base is modified, and a base with strong and pure cheese flavor is obtained. Moreover, the same aroma degree may be achieved by using a smaller amount of essence in food industry production, thereby achieving the purpose of saving cost.

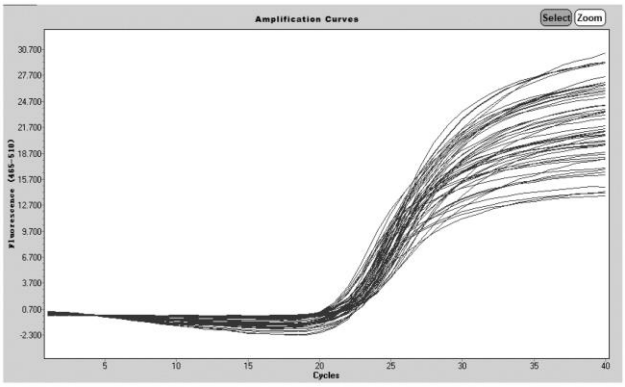
21: 2023/05544. 22: 2023/05/23. 43: 2023/11/30
51: G09B
71: MINJIANG TEACHERS COLLEGE
72: LIN, Deli
54: AN INTELLIGENT CONTROL SYSTEM FOR MULTIMEDIA TEACHING EQUIPMENT
00: -
The present invention relates to an intelligent control system for multimedia teaching equipment, which is applied in the technical field of intelligent teaching and comprises: A monitoring equipment for acquiring indoor an environmental image and a portrait and taking the recognized data as human body decision-making data; Environmental equipment for acquiring indoor real-time environmental data and taking the environmental data as environmental decision-making data; A teaching end for determining the usage data of the teaching equipment based on the usage status of the indoor teaching equipment and corresponding teaching schedule and taking the usage data as equipment decision-making data; A cloud server for training and generating an automatic control model to achieve automatic control of the indoor electric equipment; A student end arranged on the desktop for identifying a student's identity, comparing the identification result with the portrait acquired by the monitoring equipment and uploading the data to the cloud server. The automatic control of electric equipment in a multimedia classroom is achieved, and the number of attendees is monitored and the attendance rate of the students is counted.



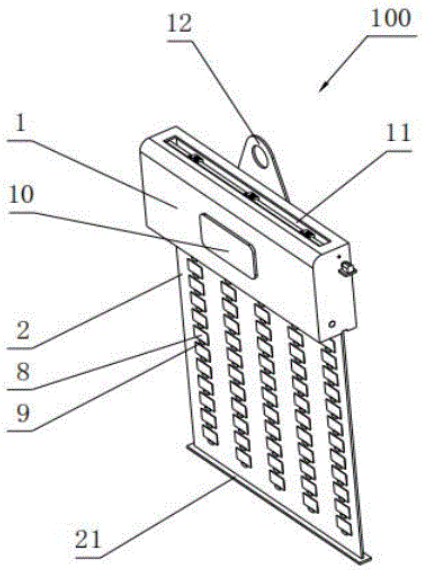
21: 2023/05551. 22: 2023/05/23. 43: 2023/11/22
51: B02C
71: Xiamen ISO Standard Sand Co.,Ltd
72: SUN, Zhisheng
33: CN 31: 202110302477.5 32: 2021-03-22
54: ENERGY-SAVING DOUBLE-BEARING VERTICAL GRINDING MILL FOR DRY GRINDING AND SHAPING GRINDING MILL
00: -
An energy-saving double-bearing vertical grinding mill for dry grinding and shaping comprising a shell arranged vertically, a permanent magnet variable frequency motor arranged above the shell, a rotating shaft connected with the output end of the permanent magnet variable frequency motor and a double-spiral rotor arranged on the rotating shaft. A grinding chamber is formed in the shell. An upper bearing and a lower bearing are respectively arranged at the top and the bottom of the grinding chamber. The upper bearing and the lower bearing are both sleeved on the rotating shaft and are respectively located at the upper end and the lower end of the rotating shaft. Therefore, the vibration and of the double-spiral rotor is reduced and the manufacturing requirement is lowered. The rotating speed of the double-spiral rotor is increased such that the grinding efficiency is improved. A grinding medium is filled in the grinding chamber, and the upper end/upper end surface of the side wall of the shell is provided with a feeding port and a dust collecting port in communication with the interior of the grinding chamber. At least two discharging ports in communication with the interior of the grinding chamber are arranged on the lower end/the lower end surface of the side wall of the shell, and the lower end surface of the shell is arranged in an air blowing port in communication with the interior of the grinding chamber.



21: 2023/05579. 22: 2023/05/24. 43: 2023/11/22
51: C12Q
71: Hunan Agricultural University
72: LIU, Mei, YANG, Long, PENG, Peiya, YIN, Yulong
33: CN 31: 2022115864364 32: 2022-12-08
54: METHOD FOR DETECTING CNV MARKER OF SNX29 GENE OF XIANGDONG BLACK GOATS, AND APPLICATION THEREOF
00: -
Disclosed are a method for detecting a copy number variation (CNV) marker of the SNX29 gene of Xiangdong black goats and its application. Whole blood genomic deoxyribonucleic acid (DNA) of the Xiangdong black goats is used as a template, a CNV region of the SNX29 gene and the reference gene MC1R of the Xiangdong black goats are amplified through a real-time fluorescent quantitative polymerase chain reaction (PCR) method, results are divided into an insertion type, a deletion type and a normal type according to 2-triangle triangle Ct, and a copy number variation of the SNX29 gene of the Xiangdong black goats is identified. The present invention detects the CNV marker closely related to growth traits of Xiangdong black goats at the DNA level, and the CNV marker can be used as an important candidate molecular marker for marker-assisted selection of growth traits of Xiangdong black goats.

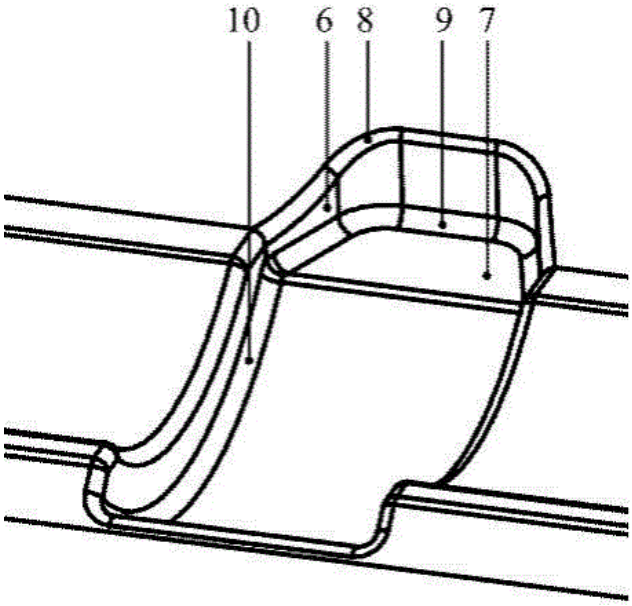


21: 2023/05580. 22: 2023/05/24. 43: 2023/11/22
51: B08B; F26B; G09B
71: School of Electronic Engineering and Intelligent Manufacturing, Anqing Normal University
72: WU, Yiheng, WANG, Yingli, CHENG, Fei, ZHANG, Qilei, PAN, Yuanye, WANG, Zhiwei, YE, Chengming, ZHAO, Qinyi
54: IMAGE RECOGNITION VOICE BROADCASTING DEVICE FOR PRESCHOOL EDUCATION
00: -
Disclosed is an image recognition voice broadcasting device for preschool education. The device includes a storage box and a display panel, where the storage box is further provided with a cleaning unit, a drying unit, an ultraviolet lamp, an exhaust unit and a reeling unit, and one end of the display panel penetrates the inlet orifice and is connected to the reeling unit. The cleaning unit is configured to clean and dispose of any dirt on the display panel, the drying unit and the exhaust unit can complete drying treatment of liquid on the display panel, the ultraviolet lamp is configured to achieve ultraviolet sterilization, which can clean the sweat stains on the display panel, prevent breeding of bacteria and corrosion of the display panel, and the storage box and the reeling unit are configured to roll up the display panel and complete the storage of the display panel.



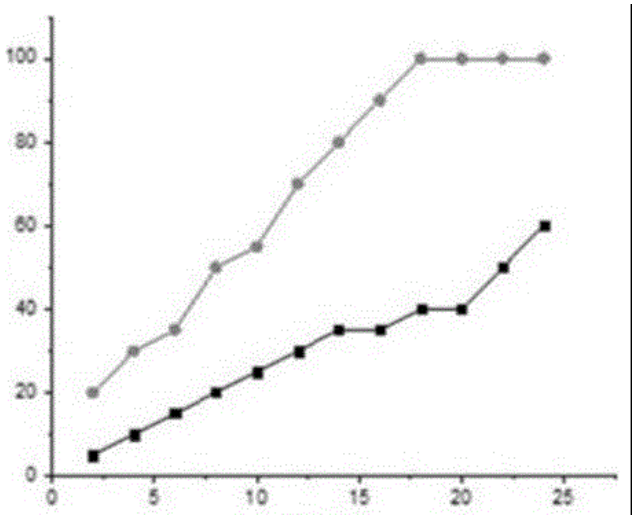
21: 2023/05584. 22: 2023/05/24. 43: 2023/11/22
51: A23K
71: Shandong Jianyuan Biotechnology Co., Ltd.
72: WANG, Cheng
33: CN 31: 2022111067071 32: 2022-09-13
54: BIOLOGICAL PREPARATION FOR FERMENTATION OF SILAGE TOTAL MIXED RATIONS AND PREPARATION METHOD THEREFOR
00: -
Disclosed is a biological preparation for fermentation of silage total mixed rations and a preparation method therefor. The biological preparation includes a cellulose decomposing microbial agent, a fermentation microbial agent and glucose, where the fermentation microbial agent includes Lactobacillus acidophilus, Lactobacillus buchneri and Pediococcus pentosaceus, and the cellulose decomposing microbial agent is Ruminococcus albus. According to the biological preparation, by means of a synergistic effect between the cellulose decomposing microbial agent and the fermentation microbial agent, a pH value of silage is obviously reduced, contents of organic acid and crude protein in the silage are increased, and taste of the silage total mixed rations is improved.

21: 2023/05585. 22: 2023/05/24. 43: 2023/11/22
51: H02K
71: Hunan University of Science and Technology
72: Yongzheng JIANG, Jiahao FU, Zhigang FU, Xu ZHANG, Yufeng ZHOU
54: AN INCLINED STRESS RELIEF GROOVE
00: -
The present invention discloses an inclined stress relief groove, including an inclined stress relief groove body and a fork head of the rolling mill, the fork head of rolling mill includes inner arc surface, outer arc surface, slider installation groove and oil hole, the body of the inclined stress relief groove is embedded outside the inner arc surface, the body of the inclined stress relief groove includes the surface of the inclined stress relief groove and the bottom surface of the inclined stress relief groove, the surface of the inclined stress relief groove has an angle with the surface of the slider mounting groove. The present invention adopts the above-mentioned inclined stress relief groove. By setting the inclined stress relief groove on the outer side of the inner arc surface of the rolling mill fork head, the ability of the fork head to withstand torque is greatly improved, thereby prolonging the service life of the rolling mill fork head.



21: 2023/05588. 22: 2023/05/24. 43: 2023/11/30
51: A61K
71: NORTHEAST AGRICULTURAL UNIVERSITY
72: Dapeng LI, Genji YANG, Ning HOU, Xianyue LI
54: A MODIFIED PROTEIN BIOLOGICAL DEMULSIFIER
00: -
A modified protein biological demulsifier, in the technical field of oily sewage treatment, characterized in that the biological demulsifier is

modified with magnetic nano-materials. The said biological demulsifier is the prokaryotic expression product of Escherichia coli BL21/pET28-oxdc, which is preserved in the China General Microbiological Culture Collection Center (CGMCC) with the preservation number of CGMCC No.25643 and the preservation time of September 22, 2022. The said magnetic nano-material is octyl modified magnetic nano-Fe3O4. The invention reduces the usage of the biological demulsifier, which can be directly recovered with magnet, increasing the usage times. Similarly, as an environmental-friendly biological agent with a strong dehydration ability and low usage, the biological demulsifier reduces the treatment burden of subsequent sewage treatment equipment with a good adaptability, lowering the usage, research and development costs.

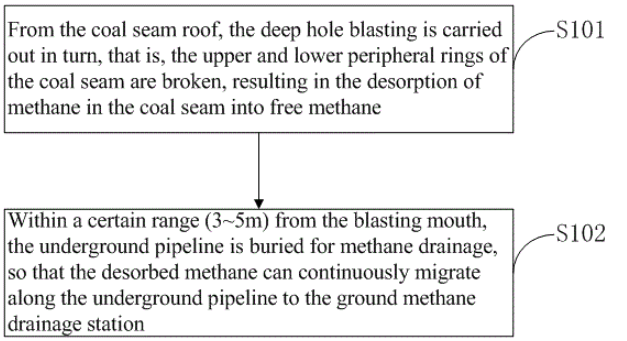


21: 2023/05619. 22: 2023/05/25. 43: 2023/11/22
51: E21B
71: Hunan University of Science and Technology
72: Yunjiang CAO, Yanming ZHAO, Changhe CAI, Ping XIANG, Zhenghui XIAO, Xiaoqin YANG

54: GASIFICATION METHOD BASED ON UNDERGROUND RAW COAL

00: -

The invention discloses a gasification method based on underground raw coal, which belongs to the field of raw coal gasification technology, deep blasting is carried out at the coal seam floor (less than or equal 0.5m from the coal seam) in the coal mine roadway, and then supply the corresponding steam to steam the underground raw coal. Similarly, from the coal seam roof (false roof and direct roof) (from the coal seamless than or equal 0.5m), the deep hole blasting is carried out in turn, that is, the upper and lower peripheral rings of the coal seam are broken, resulting in the desorption of methane in the coal seam into free methane. Then, at a certain range (3~5m) from the blasting ports, burying underground pipelines for methane drainage, the general methane concentration can reach 20~26m3/t. The methane production per unit of time is proportional to the coal thickness and the surface area of the coal seam in contact with the deep hole. The total methane production time (service life) is proportional to the amount of coal.

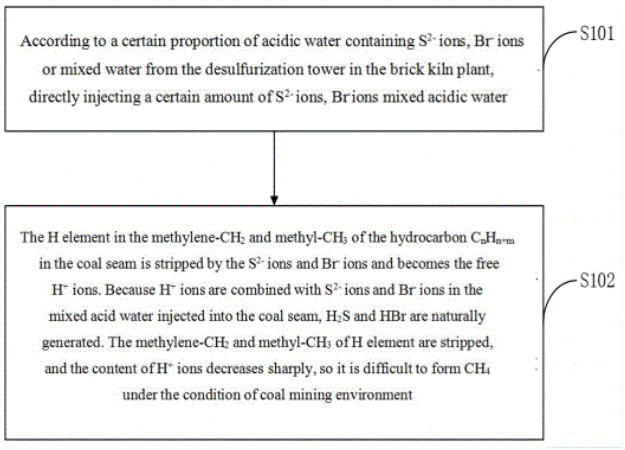


21: 2023/05620. 22: 2023/05/25. 43: 2023/11/22
51: E21B
71: Hunan University of Science and Technology
72: Yunjiang CAO, Gaofeng YE, Changhe CAI, Ping XIANG, Zhenghui XIAO, Xiaoqin YANG

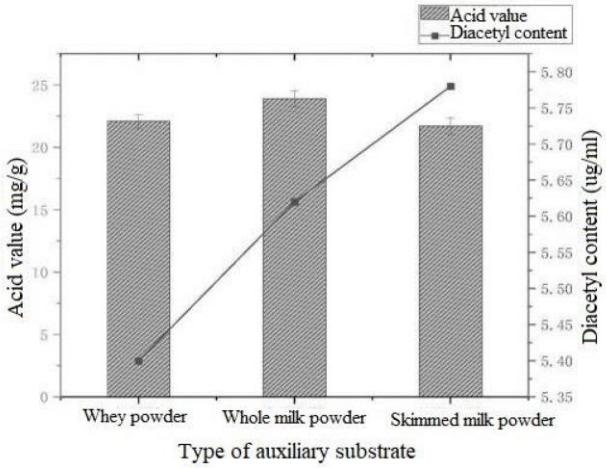
54: INHIBITION METHOD BASED ON THE REGENERATED METHANE SOURCE OF MINES

00: -

The invention discloses an inhibition method based on the regenerated methane source of mines, which belongs to the field of mine methane inhibition technology, the method for inhibiting the regenerated methane source of mine includes: preparing acid water containing S2- ions and Br- ions in a certain proportion or mixed water from the desulfurization tower in the brick kiln plant or mine water discharged from low methane mine(pH<4.0), directly injecting a certain amount of mixed acid water containing S2- ions and Br- ions into the mineable coal seam; the H element in the methylene (-CH2) and methyl (-CH3) of the hydrocarbon (CnHn+m) in the coal seam is stripped by the S2- ions and Br- ions to become the free H+ ions. The invention can deal with the problem of absorbing H+ ions water and save costs and maximize the use of resources in a better way.



21: 2023/05621. 22: 2023/05/25. 43: 2023/11/22
51: A23L
71: Zhongkai University of Agriculture and Engineering
72: Chen Qing, Bai WeiDong, Wang Wei, Mao Yue, Zhao WenHong, Ren WenBin
33: CN 31: 2022106853233 32: 2022-06-16
54: METHOD FOR PREPARING DIACETYL TYPE NATURAL MILK FLAVOR BASE MATERIAL BY MEANS OF ENZYMOLYSIS COUPLED WITH FERMENTATION
00: -
Disclosed in the present disclosure is a method for preparing a diacetyl type natural milk flavor base material by means of enzymolysis coupled with fermentation. According to the method, a specific base material is selected in combination with an enzymolysis coupled with fermentation two-step method preparation process, and the obtained diacetyl type natural milk flavor base material is mellow in flavor, soft and smooth, pure in aroma, high in stability and lasting in aroma retention time. Further disclosed in the present disclosure is a diacetyl type natural milk flavor base material prepared through the method.



21: 2023/05624. 22: 2023/05/25. 43: 2023/11/29
51: A61K; C07D
71: CHEMOCENTRYX, INC.
72: YAU, Kwok, LUONG, Kenken, SINGH, Rajinder, ZENG, Yibin, ZHANG, Penglie, LELETI, Manmohan Reddy, LUI, Rebecca M.
33: US 31: 62/932,644 32: 2019-11-08
54: AMORPHOUS FORM OF A COMPLEMENT COMPONENT C5A RECEPTOR
00: -
Provided herein is an amorphous form of a complement component 5a receptor having the formula of Compound 1 Also provided herein are pharmaceutical compositions and methods of treatment using the amorphous form of Compound 1, described herein.

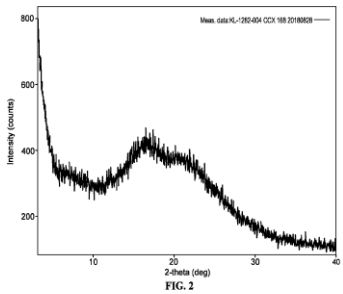
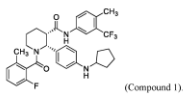


FIG. 2

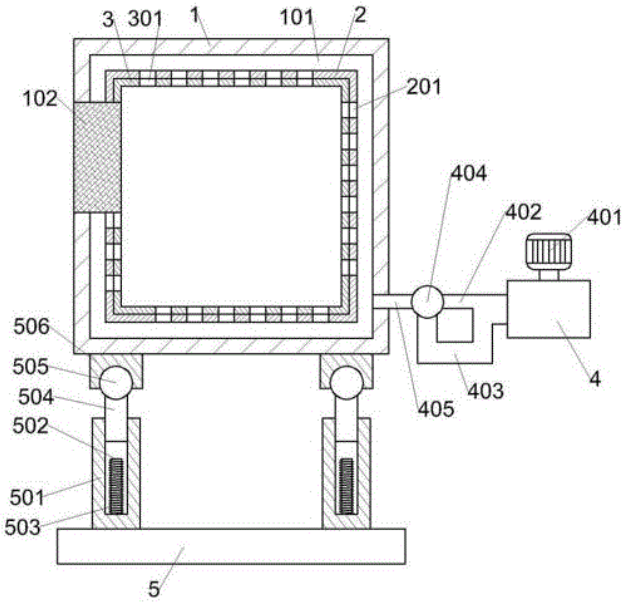

(Compound 1).

21: 2023/05626. 22: 2023/05/25. 43: 2023/11/22
51: F24F
71: Zhengzhou University of Aeronautics
72: YU Zhanjun, LIU Erbin, WANG Xianli, CHEN Dongxia, LI Mingyu, SHAO Li, HUO Haibo, MA Huali, WEI Meng, CUI Jiehu

54: VENTILATION AND TEMPERATURE CONTROL DEVICE FOR SUPERCAPACITORS

00: -

The present invention relates to the technical field of capacitors, in particular to a ventilation and temperature control device for supercapacitors, which includes a fixed housing, an inner housing inside the fixed housing, and several airflow channels between the inner housing and the fixed housing. The airflow channels are connected to the inner part of the inner housing, and the airflow channels are connected to a temperature regulating component. The fixed housing and the inner housing are equipped with air outlets, and the air outlet is equipped with a filter screen, The inlet end of the temperature regulating component is equipped with a moisture absorption filter screen, and the bottom of the fixed housing is fixedly connected with a buffer component; The temperature regulating component is used to regulate the temperature inside the inner housing; The buffer component is used to slow down the vibration of the fixed housing; The temperature regulating component and buffer component are electrically connected to a controller. The present invention can ensure the smooth operation of the supercapacitor and provide a constant temperature during its operation.



21: 2023/05627. 22: 2023/05/25. 43: 2023/11/22

51: G06F

71: Xiamen Meiya Pico Information Co., Ltd.

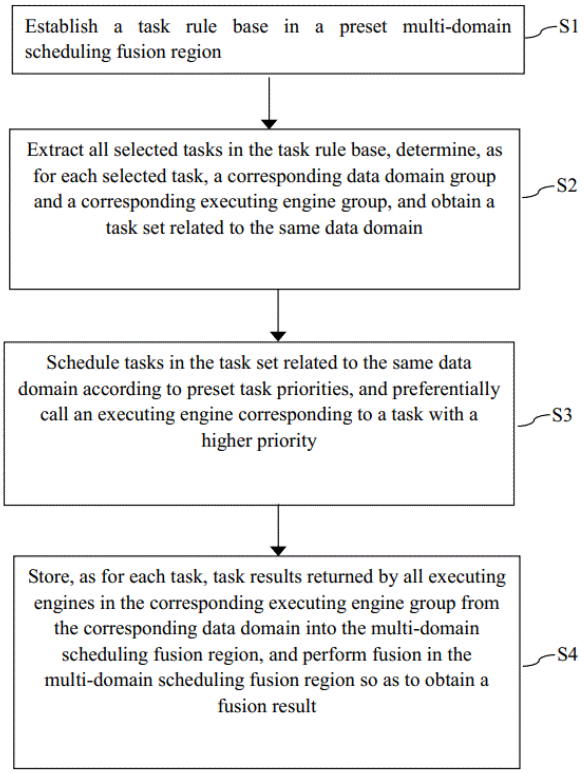
72: Lin Wenkai, Zhou Chengzu, Wei Chao, Wu Wen, Zhu Haiyong

33: CN 31: 2022105733681 32: 2022-05-25

54: METHOD AND APPARATUS FOR MULTI-DOMAIN DATA FUSION, AND STORAGE MEDIUM

00: -

The present invention provides a method and apparatus for multi-domain data fusion, and a storage medium. The method includes: S1, establishing a task rule base in a preset multi-domain scheduling fusion region; S2, extracting all selected tasks in the task rule base, determining, as for each selected task, a corresponding data domain group and a corresponding executing engine group, and obtaining a task set related to the same data domain; S3, scheduling tasks in the task set related to the same data domain according to preset task priorities, and preferentially calling an executing engine corresponding to a task with a higher priority; and S4, storing, as for each task, task results returned by all executing engines in the corresponding executing engine group from the corresponding data domain into the multi-domain scheduling fusion region and performing fusion in the multi-domain scheduling fusion region so as to obtain a fusion result. Efficient cross-domain data fusion can be implemented by using the above technical solution.

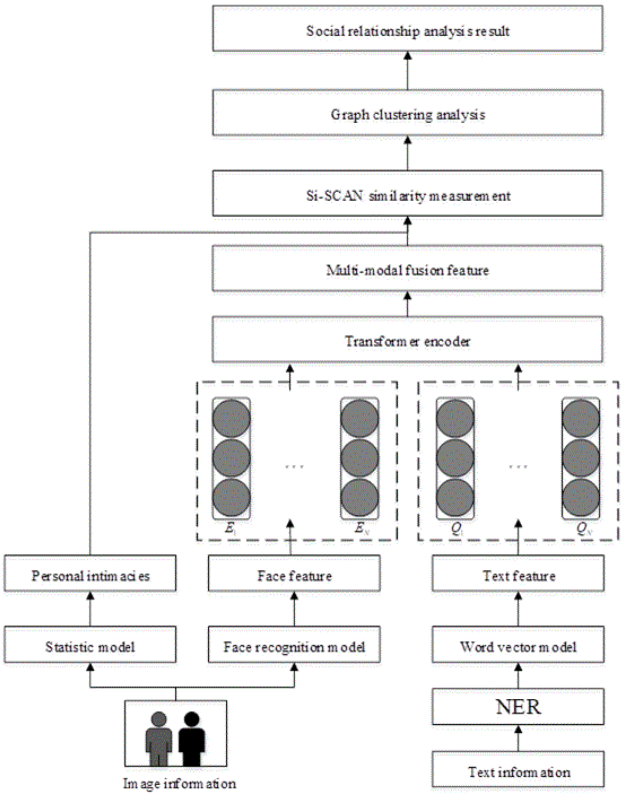


21: 2023/05628. 22: 2023/05/25. 43: 2023/11/22
51: G06F
71: Xiamen Meiya Pico Information Co., Ltd.
72: Chen Simeng, Zhao Jianqiang, Chen Cheng, Peng Chuang, Zhang Hui, Han Mingxi
33: CN 31: 2022109714247 32: 2022-08-12

54: SOCIAL RELATIONSHIP ANALYSIS METHOD AND SYSTEM BASED ON MULTI-MODAL DATA, AND STORAGE MEDIUM

00: -

The present invention provides a social relationship analysis method based on multi-modal data, including: S1, extracting and converting social texts and social image information of persons into text features and image features respectively, statistically counting personal intimacies, and constructing a person social network graph based on the personal intimacies; S2, inputting the text features and the image features into a transformer-based multi-modal fusion model to obtain a fusion feature; and S3, analyzing the person social network graph by adopting a Si-SCAN graph clustering algorithm to obtain a social relationship clustering result, wherein the Si-SCAN graph clustering algorithm is to perform construction by introducing the personal intimacies and fusion feature information based on a SCAN algorithm. According to the present invention, a social relationship is deeply analyzed based on information of two modals: text and image, through the design of a multi-modal information fusion model, a cross-modal interactive relationship is learnt, and the multi-modal fusion graph node embedded representation is generated. Through graph clustering analysis, a deep relationship analysis of a social network is implemented, and latent social associations can be effectively discovered.



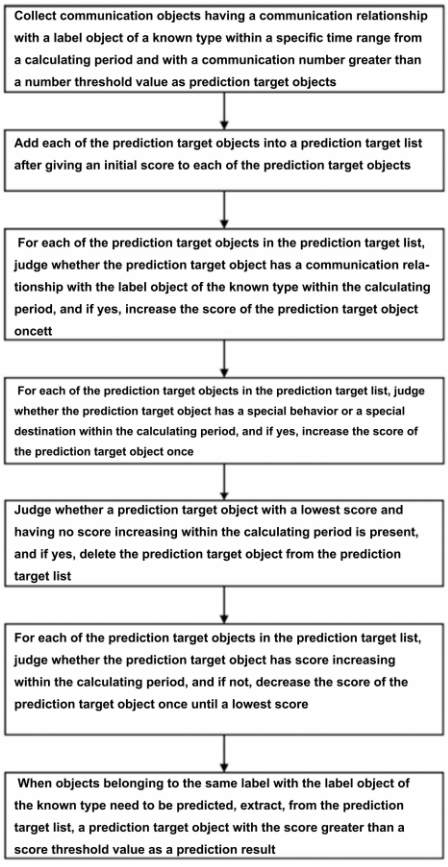
21: 2023/05634. 22: 2023/05/25. 43: 2023/11/22
51: G06Q
71: Xiamen Meiya Pico Information Co., Ltd.
72: Zhou Xinbo, Huang Kai, Zhao Ning, Bi Yonghui, Tu Jialin, Lai Yingnan
33: CN 31: 202210387042X 32: 2022-04-14

54: METHOD FOR PREDICTING LABEL DATA OF SAME TYPE, TERMINAL DEVICE AND STORAGE MEDIUM

00: -

The present invention relates to a method for predicting label data of the same type, a terminal device and a storage medium. The method includes: when each calculating period is initiated, collecting prediction target objects, and adding the prediction

target objects into a prediction target list after giving initial scores to the prediction target objects; and when each calculating period is ended, for each prediction target object, increasing the score once if it has a communication relationship; increasing the score once if it has a special behavior or a special destination; deleting it from the prediction target list if it has the lowest score and the score is not increased; decreasing the score once if the score is not increased; and when objects belonging to the same label with a label object of a known type need to be predicted, extracting, from the prediction target list, a prediction target object with the score greater than a score threshold value as a prediction result. The present invention can find out the universality between target objects and a certain type of determined label group based on a communication relationship in the type of determined label group.



21: 2023/05674. 22: 2023/05/26. 43: 2023/11/29
51: A61K
71: Hebei Chemical and Pharmaceutical College
72: LIU, Haizhen

54: BIOLOGICAL STEM CELL AGENT, AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

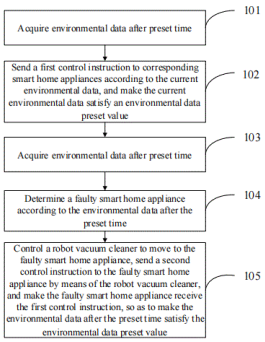
The present invention provides a biological stem cell agent, and a preparation method and application thereof, which relates to the technical field of biological agents. The biological agent of the present invention includes the following raw materials: 1×105-1×107 of adipose-derived stem cells/mL, 6-15 microgram/mL of hippophae total flavones, 5-10 microgram/mL of grape polyphenols, 2-8 microgram/mL of puerarin and 4-10 microgram/mL of beta-sitosterol. The biological agent of the present invention takes the adipose-derived stem cells as a main component, can effectively accelerate heal speed of skin wounds and promote repair and regeneration of skin, and has wide sources of raw materials and convenient application.

21: 2023/05675. 22: 2023/05/26. 43: 2023/11/29
51: G05B
71: Hebei Chemical and Pharmaceutical College
72: LIU, Haimei

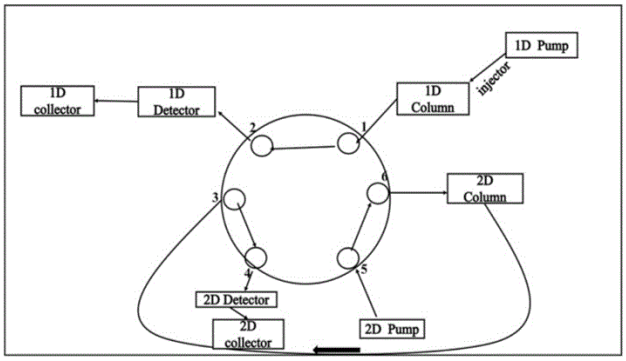
54: CONTROL METHOD AND SYSTEM FOR SMART HOME APPLIANCES, ELECTRONIC APPARATUS AND MEDIUM

00: -

Disclosed are a control method and system for smart home appliances, an electronic apparatus and a medium. The method includes: acquiring current environmental data; sending a first control instruction to corresponding smart home appliances according to the current environmental data, and making the current environmental data satisfy an environmental data preset value; acquiring environmental data after preset time; determining a faulty smart home appliance according to the environmental data after the preset time; and controlling a robot vacuum cleaner to move to the faulty smart home appliance, sending a second control instruction to the faulty smart home appliance by means of the robot vacuum cleaner, and making the faulty smart home appliance receive the first control instruction, so as to make the environmental data after the preset time satisfy the environmental data preset value. The present invention can effectively control the smart home appliances.

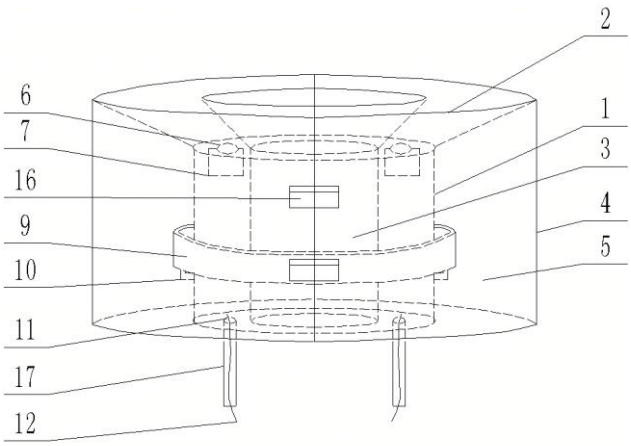


21: 2023/05676. 22: 2023/05/26. 43: 2023/11/29
51: G01N
71: SHANGHAI UNIVERSITY OF SPORT
72: LIU Bing, LONG Ziyang, WANG Yirang
54: METHOD FOR SEPARATING AND PURIFYING GLUCOCORTICOIDS IN URINE BY ONLINE TWO-DIMENSIONAL SEMI-PREPARATIVE LIQUID CHROMATOGRAPHY
00: -
The invention discloses a method for separating and purifying glucocorticoids in urine by online two-dimensional semi-preparative liquid chromatography. The method for separating and purifying glucocorticoids in urine by online two-dimensional semi-preparative liquid chromatography comprises that follow steps: separating and purifying glucocorticoid by an online two-dimensional central cut mode chromatographic separation system, pre-separating crude urine sample by a one-dimensional liquid chromatographic column, then switching valve components, switching the component to a two-dimensional chromatographic column for further fine separation, loading the obtained target component into a GC-MS system, measuring the corresponding GC-MS ion flow diagram and mass spectrum diagram, and confirming its structure. The method for online two-dimensional separation of glucocorticoids provided by the invention optimizes the previous off-line two-time separation mode, greatly simplifies the pretreatment steps, saves the cost and improves the detection sensitivity.



21: 2023/05678. 22: 2023/05/26. 43: 2023/11/29
51: A01G
71: Gansu Desert Control Research Institute
72: ZHANG Zhong, CHEN Fang, WEI Linyuan, ZHANG Dekui
33: CN 31: 2023210784999 32: 2023-05-08
54: PORTABLE PSAMMOPHYTE INCUBATOR
00: -
The invention discloses a portable psammophyte incubator, which comprises two semi-circular water boxes arranged oppositely, wherein a water accumulator is installed at the top of the semi-circular water box, a filter is communicated with the bottom of the water accumulator, the filter is communicated with the inner cavity of the semi-circular water box, and a water delivery component is communicated with the bottom of the semi-circular water box, and the side walls close to each other of the two water accumulators and the two semi-circular water boxes enclose to form a planting cavity; the water accumulators are obliquely arranged outward away from the side wall of the planting cavity and connected with the annular plates; two semi-circular water boxes are located in the two annular plates; the two semi-circular water boxes are far away from the outer side wall of the planting cavity, the inner side walls of the two annular plates and the outer side wall of the two water accumulators are enclosed to form a solar distillation chamber; and the outer side wall of the semi-circular water boxes far away from the planting cavity is provided with a water accumulation component communicated with the semi-circular water boxes and the solar distillation chamber. According to the invention, the water source can be directly transported to the roots of plants, the evaporated water can be collected and utilized

again, and the utilization rate of the water source is improved.

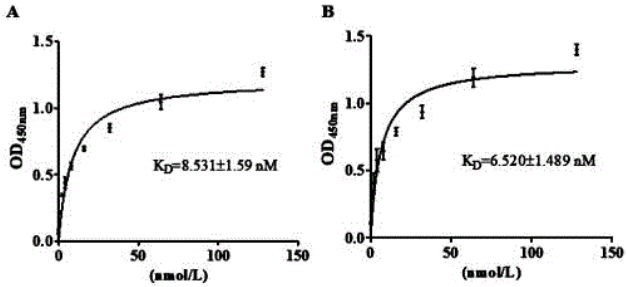


21: 2023/05679. 22: 2023/05/26. 43: 2023/11/29
51: C12N; G01N
71: TANG Xiaolei
72: TANG Xiaolei, HUA Ying, XIONG Yueling, WU Yanhong, HU Feng, ZHANG Linyuan

54: NUCLEIC ACID APTAMER OF HELICOBACTER PYLORI FOR DETECTING HELICOBACTER PYLORI AND SCREENING METHOD AND APPLICATION THEREOF

00: -

The invention discloses an adhesin aptamer of Helicobacter pylori and a screening method for the adhesin aptamer. In the invention, the genomic DNA of Helicobacter pylori is used as a template to amplify the adhesin gene, the obtained gene is connected with an expression vector to obtain a screening target, then the screening target is incubated with a random single-stranded ssDNA library, SELEX screening, PCR amplification of the library, and then the adhesin nucleic acid aptamer is obtained through multiple rounds of screening. The invention also discloses the application of the adhesin aptamer in preparing a detection kit for Helicobacter pylori and preparing an immunomedicine for Helicobacter pylori. The adhesin nucleic acid aptamer of the invention has higher affinity and specificity, small molecular weight and strong permeability, and can more intuitively reflect the Hp infection of the organism compared with the prior art.

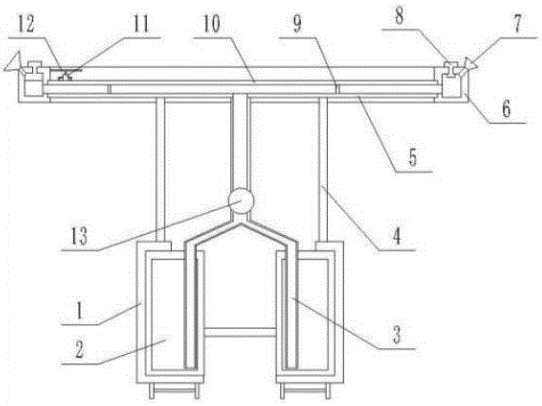


21: 2023/05680. 22: 2023/05/26. 43: 2023/11/29
51: A01G; B05B
71: Qiqihar Branch of Heilongjiang Academy of Agricultural Sciences
72: WANG, Junqiang, DING, Xinying, HAN, Yehui, MA, Baoxin, LIAN, Yongli, ZHOU, Chao, XU, Ting, WANG, Lida, QU, Zhongcheng, JI, Shengdong, YUAN, Ming, WANG, Zhen, ZHANG, Di, MA, Bo, TAN, Kefei, HU, Jifang, WANG, Lianxia, LI, Qingchao, LIU, Yue, XU, Yingying, YU, Yunkai, LIU, Yang, YU, Yang, HAO, Yubo, GONG, Xiujie, YANG, Jianfei, SHAN, Dapeng, JIN, Zhenguo, JIN, Xiaochun, LI, Rulai, SHI, Yunqiang, SHAO, Yong, SHAO, Guangzhong, SUN, Yinhui, HE, Chang'an, JI, Chunxue, LI, Donglin, HUANG, Xinyu, WANG, Shumao

54: PESTICIDE SPRAYING DEVICE FOR CORN CULTIVATION

00: -

Disclosed is a pesticide spraying device for corn cultivation. One side of each trolley is hollowed out, and a front end of the trolley is provided with a pull rod. A plurality of supporting rods are all fixedly connected between a bottom plate and a top plate. Both the top plate and the bottom plate are in sliding fit with a medicine storage tank. A control ring is in sliding fit with the medicine storage tank. A lower end of each of the support rods is fixedly connected to the upper end of the corresponding trolley, and an upper end of the support rod is fixedly connected to a lower end of the bottom plate. A top end of a main pipe of a pipe passes through the bottom plate and is in communication with a gap between the bottom plate and the top plate.

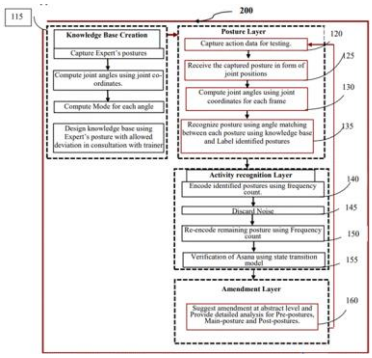


21: 2023/05681. 22: 2023/05/26. 43: 2023/11/29
51: A01H
71: Anhui Science And Technology University
72: Lu xiaomin, He keqin, Zhang Xueping, Dong Xinde
33: CN 31: 2023104427325 32: 2023-04-20
54: CULTURE MEDIUM FOR VIRUS-FREE POTATO TISSUES
00: -
The invention belongs to the technical field of culture substrates, in particular to a culture medium for virus-free potato tissues, which comprises an improved MS culture medium, and the improvement method of the improved MS culture medium comprises replacing ammonium nitrate in the MS culture medium with ammonium chloride and calcium chloride with calcium nitrate; the dosage of ammonium chloride is 700-1300 mg/L, and the dosage of calcium nitrate is 350-800 mg/L; the improved MS culture also comprises 0.04~0.06 mg/L of BA, 0.18~0.22 mg/L of NAA, 0.4~0.6 mg/L of 24-D, 2~3mg/L of inositol and 4~6 mg/L of glycine. The culture medium for virus-free potato tissues in the invention is used for virus-free potato cultivation, and the cultivation survival rate, the planting survival rate and the average yield per plant are far greater than those of the common culture medium for virus-free potato tissues in the market at present, and the yield per mu and the cultivation efficiency are improved greatly, so that the culture medium for virus-free potato tissues is worth popularizing.

21: 2023/05682. 22: 2023/05/26. 43: 2023/11/29
51: A01G
71: Anhui Science And Technology University
72: He keqin, Lu xiaomin, Wang Xihua, Jiao Xiangzheng, Guo weigang, Yang Hao, Zhao junguo, Ou Wencai
33: CN 31: 2023104426892 32: 2023-04-20
54: TISSUE CULTURE SUBSTRATE COMPOSITION FOR TRICHOSANTHES KIRILOWII
00: -
The invention belongs to the technical field of culture substrates, in particular to a tissue culture substrate composition for Trichosanthes kirilowii, which comprises a basic culture medium, a subculture culture medium and a rooting culture medium; the primary culture medium includes the MS culture medium containing 4 mg/L of BA and 0.5 mg/L of NAA, and 6 g/L of agar; the subculture medium includes the MS culture medium containing 2 mg/L of BA and 0.5 mg/L of NAA, and 7-8 g/L of agar; and the rooting culture medium includes the MS culture medium containing 2 mg/L of IBA and 0.1 mg/L of NAA. According to the invention, different culture media are used at different stages in the tissue culture process of Trichosanthes kirilowii, so that the nutrition of Trichosanthes kirilowii at different stages is more balanced, the waste of useless resources is reduced, and the growth speed of Trichosanthes kirilowii is accelerated. At the same time, B5 medium is used in the basic culture medium, after 16 days of culture, yellow-green cell processes began to appear, and then differentiated buds appeared, which shortened the time of inducing differentiation and improved the planting efficiency significantly.

21: 2023/05683. 22: 2023/05/26. 43: 2023/11/29
51: A61B
71: Geetanjali Vinayak Kale, Priyanka Ravindra Chaudhari, Niranjan Shahaji Deokule, Madhuri Sachin Wakode, Vinayak K. Bairagi, Pravin Ramdas Patil
72: Geetanjali Vinayak Kale, Priyanka Ravindra Chaudhari, Niranjan Shahaji Deokule, Madhuri Sachin Wakode, Vinayak K. Bairagi, Pravin Ramdas Patil
54: SYSTEM AND METHOD FOR ANALYSIS OF HUMAN MOVEMENT AND SUGGESTIONS OF AMENDMENT IF ANY
00: -
A system and a method (200) for motion analysis and feedback for amendment in human action are disclosed. The system (50) and the method (200) identify the correctness of action performed by a

human subject and suggest corrections required in movement performed by human at an abstract level and also at a detailed analysis level. The system (50) and the method (200) are designed to provide a specialized state model for speed invariant recognition of action, and use angle features for representation of human action which are less sensitive to human anthropometry as compared to conventional recognition approaches which classify action in its class and may not help in suggestion of amendment.

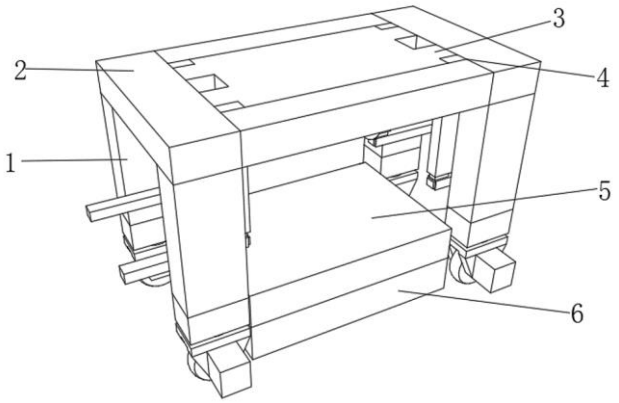


21: 2023/05684. 22: 2023/05/26. 43: 2023/12/11
51: B25J
71: Jiangsu College Of Safety Technology
72: Liu Erchen

54: A ROBOT ARM HANDLING ROBOT FOR INTELLIGENT WORKSHOPS

00: -

The invention discloses a robot arm handling robot for intelligent workshops, comprising a top plate, a cross beam fixedly connected to the left and right sides of the top plate, fixing posts fixedly connected to the front and rear ends of the top plate, and fixing slots running through the top four corners of the top plate. In the present invention, four independent rubber wheels with independent steering and driving allow for more flexible handling of large, bulky goods, and the goods are better protected from damage by being located between the four support columns.

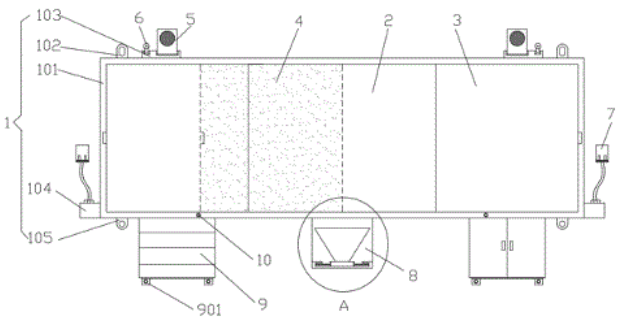


21: 2023/05685. 22: 2023/05/26. 43: 2023/11/30
51: G09B
71: CHENGDU VOCATIONAL AND TECHNICAL COLLEGE OF INDUSTRY
72: DING, Tianxia, LI, Shangyong, QIAO, Jianchun, WEI, Xi

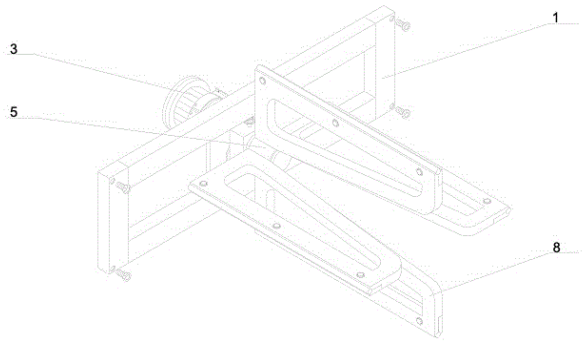
54: INTELLIGENT EDUCATION AND TEACHING SYSTEM BASED ON THE INTERNET

00: -

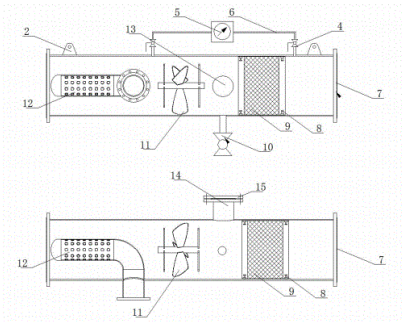
The present invention discloses an intelligent education and teaching system based on the Internet, which relates to the field of education teaching equipment and comprises a mounting frame, a smart display screen, two fixed writing boards and two movable writing boards; wherein the two fixed writing boards are mounted on the two sides of the smart display screen, and the movable writing boards comprise a first movable writing board and a second movable writing board, and the two movable writing boards are slidably connected to the mounting frame; and when the two movable writing boards move to the center position, they can completely cover the smart display screen; The top of the mounting frame is mounted with a speaker and a camera, a folding display board is arranged at the center position under the mounting frame, 3D holographic projection display can be completed by opening the folding display board. The present invention has the advantages that the layout is reasonable, the installation and usage are simple and convenient, and the connection with network teaching systems is facilitated, and the teaching resources can be effectively integrated and rapidly displayed in the class, the teaching contents are enriched, the teaching quality is improved to a certain extent and the establishment of a safe teaching environment is facilitated.



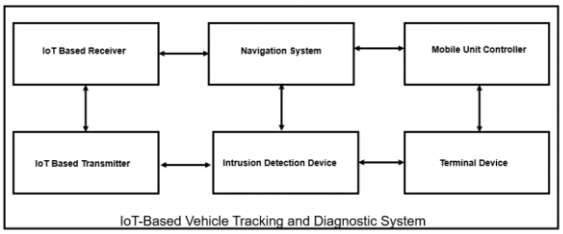
21: 2023/05686. 22: 2023/05/26. 43: 2023/11/30
51: B22F
71: TONGLING UNIVERSITY, ANHUI ZHONGKE CHUNGU LASER INDUSTRY TECHNOLOGY RESEARCH INSTITUTE CO., LTD
72: ZHOU, Yan, ZHANG, Ran, WANG, Dongsheng, GAO, Xuesong, LI, Rong, XIAO, Meng
33: CN 31: 202211536713.0 32: 2022-12-02
54: DEVICE FOR REPLACING POWDER SPREADING SCRAPER OF SELECTIVE LASER MELTING APPARATUS ONLINE AND AUTOMATICALLY
00: -
The present invention relates to the technical field of laser melting apparatuses, and discloses a device for replacing a powder spreading scraper of a selective laser melting apparatus online and automatically. The device includes a kidney-shaped slot, wherein a motor fixing plate is slidably connected to a back surface of the kidney-shaped slot, and a stepping motor is fixedly connected to one end of the motor fixing plate. With respect to the device for replacing the powder spreading scraper of the selective laser melting apparatus online and automatically, the scraper assemblies are provided, during usage, the scraper assemblies are attached to the bottoms of scraper handles, then bolts are screwed to fix the scraper assemblies, after an external power supply is connected to energize the stepping motor, a transmission rod is driven to rotate, and then a rotating shaft is driven to rotate such that the four groups of scraper assemblies are shifted; and when the scraper needs to be replaced, a magnetic spool valve is deenergized, and under the action of a pre-loaded spring, the rotating shaft is jacked for replacement, thereby achieving the effect of replacing the scraper assemblies online during the selective laser melting forming process, improving the working efficiency and facilitating usage by people.



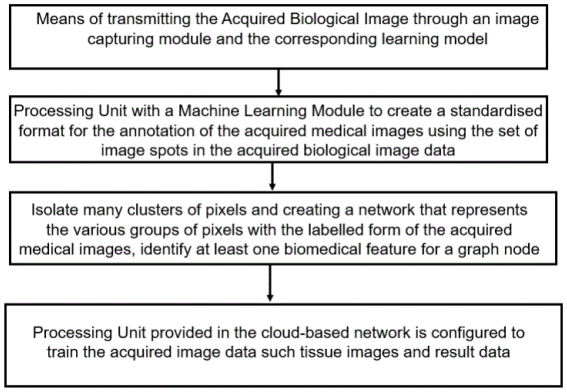
21: 2023/05688. 22: 2023/05/26. 43: 2023/11/29
51: B01F
71: OKAY ENERGY TECHNOLOGY (TIANJIN) CO., LTD
72: HAN, Min, HAN, Tieling, ZHAO, Liankuan
33: CN 31: 202210497111.2 32: 2022-05-09
54: NATURAL GAS HYDROGEN-DOPED MIXER
00: -
Disclosed in the present invention is a natural gas hydrogen-doped mixer, comprising a natural gas inlet flange. One side of the natural gas inlet flange is fixedly connected to a mixer housing. A hydrogen inlet injection pipeline is arranged on the mixer housing in a penetrating manner. A fixed flow guide vane assembly is installed in the mixer housing. The fixed flow guide vane is positioned at the end of the hydrogen inlet injection pipeline away from the natural gas inlet flange. A baffle plate mixing module is detachably connected in the mixer housing. One end of the mixer housing is fixedly connected with a natural gas outlet flange. The mixed gas after two times of mixing enters the baffle plate mixing module. Secondary mixing can be achieved while the airflow channel is changed. The mixed gas after two times of mixing enters the baffle plate mixing module.



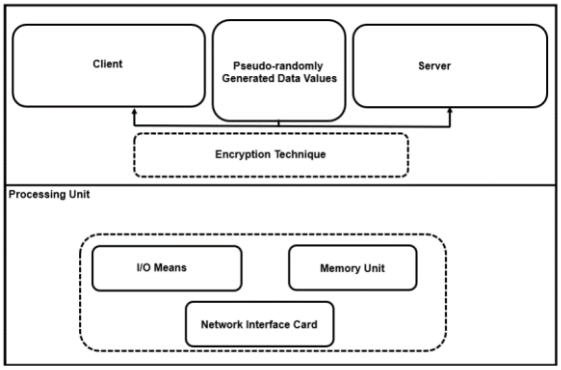
21: 2023/05718. 22: 2023/05/29. 43: 2023/11/29
51: G07C
71: Mr.Pidikiti Surendra Babu, Mr.Anandbabu Gopatoti, Prof. Harish Kumar G.R, Mr.Neeraj Kumar, Dr.K.Gurnadha Gupta, Dr. Kazi Kutubuddin Sayyad Liyakat, Dr.Chidurala Srinivas, Dr. Ravichandran Sivaramakrishnan, Dr.Sushma Jaiswal, Mr.Tarun Jaiswal
72: Mr.Pidikiti Surendra Babu, Mr.Anandbabu Gopatoti, Prof. Harish Kumar G.R, Mr.Neeraj Kumar, Dr.K.Gurnadha Gupta, Dr. Ravichandran Sivaramakrishnan, Dr. Kazi Kutubuddin Sayyad Liyakat, Dr.Chidurala Srinivas, Dr.Sushma Jaiswal, Mr.Tarun Jaiswal
33: IN 31: 202341015720 32: 2023-03-09
54: AN IOT-BASED VEHICLE TRACKING AND DIAGNOSTIC SYSTEM AND METHOD THEREOF
00: -
The present invention discloses an IoT-based vehicle tracking and diagnostic system and method thereof. In the present invention, an Internet of Things (IoT)-based receiver that, in response to navigation signals transmitted by a satellite navigation system, provides information describing the location of the vehicle as described by the navigation signals; and an input unit that, in response to an event or condition associated with the vehicle, provides information describing the event or condition. the information describing the event or condition and the information intrinsically defining the location of the vehicle are transmitted into a cellular telephone communications link by a mobile unit controller that is responsive to the input unit and the IoT based receiver.



21: 2023/05719. 22: 2023/05/29. 43: 2023/11/29
51: G06T
71: Dr. B. R. Ambedkar Chair- Andhra University, Prof. James Stephen Meka, Mr.Pushkal Padala, Mrs.K.Venkata Lakshmi, Prof. Prasad Reddy P.V.G.D.
72: Prof. James Stephen Meka, Mr.Pushkal Padala, Mrs.K.Venkata Lakshmi, Prof. Prasad Reddy P.V.G.D.
33: IN 31: 202341015213 32: 2023-03-07
54: A UNIQUE MACHINE LEARNING BASED BIOMEDICAL IMAGE ANALYSIS DEVICE FOR ACCURATE DETECTION OF DISEASE
00: -
The present invention discloses a machine learning based Biomedical image analysis device for disease detection and working method thereof. In the present invention, a means of transmitting the acquired biological image through an image capturing module and the corresponding learning model; a processing unit with a machine learning module to create a standardised format for the annotation of the acquired medical images using the set of image spots in the acquired biological image data, which isolate many clusters of pixels and creating a network that represents the various groups of pixels with the labelled form of the acquired medical images, identify at least one biomedical feature for a graph node.



21: 2023/05720. 22: 2023/05/29. 43: 2023/11/29
51: H04L
71: Dr. B. R. Ambedkar Chair- Andhra University, Prof. James Stephen Meka, Mr. Ravikumar Inakoti, Prof. Prasad Reddy P.V.G.D.
72: Prof. James Stephen Meka, Mr. Ravikumar Inakoti, Prof. Prasad Reddy P.V.G.D.
33: IN 31: 202341015104 32: 2023-03-07
54: A NOVEL SYSTEM FOR SECURE DATA TRANSMISSION OVER A NETWORK BASED ON CODE GENERATION AND WORKING METHOD THEREOF
00: -
The present invention discloses a system for secure data transmission over a network based on code generation and working method thereof. In the present invention, a first means for establishing the authenticity among the entities and ensuring the safety of data transmissions over potentially compromised data communications networks by using a secret code shared between the entities, pseudo-randomly generated data values, and an encryption technique. Further, the entities connected with the computer system sends data to the first mean, which links to the transmission media via a modem or other mechanism using a network interface card, which may include an Ethernet connection, an interface device may additionally interface to a packet switching network, such as the Internet.

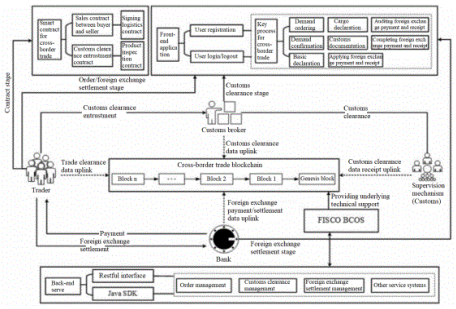


21: 2023/05721. 22: 2023/05/29. 43: 2023/11/29
51: C22C
71: Zhejiang Youxing Electronic Technology Co., Ltd.
72: HU, Linbao
54: DUCTILE CAST IRON MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
The present invention provides a ductile cast iron material and preparation method and application thereof, which is composed of the following elements in mass percentages: C 2.8 to 4.5 percent, Si 0.5 to 3.8 percent, Mn 0.45 to 1.15 percent, P 0.01 to 0.04 percent, S 0.01 to 0.028 percent, Mg 0.04 to 0.12 percent, Cu 0.35 to 6 percent, Cr 0.03 to 0.12 percent, Sn 0.001 to 0.005 percent, Ni 0.4 to 0.6 percent, and V 0.020 to 0.035 percent, with the balance being Fe. The technical solutions of the present invention have good strength and wear resistance, effectively improving the mechanical properties of castings, increasing the spheroidization rate and pearlite content in the ductile cast iron, effectively improving the uniformity of single-side high-purity crystals, and improving the potential hazards of casting defects.

21: 2023/05722. 22: 2023/05/29. 43: 2023/11/29
51: A61K; A61P
71: Henan University of Urban Construction
72: LU, Min, WANG, Shuaihao, WANG, Fumei, LU, Tie, LI, Yufeng, SONG, Shuda, XIE, Zhaohui
54: DENDROBIUM OFFICINALE BUCCAL TABLET AND PREPARATION METHOD THEREOF
00: -
The present disclosure discloses a dendrobium officinale buccal tablet having the cholesterol-

lowering effect, which is prepared from the following raw materials in parts by weight: 0.1-0.3 part of camellia seed oil, 30-50 parts of Lycium chinense, 30-40 parts of Dendrobium officinale, 5-10 parts of Panax ginseng, 2-4 parts of Ziziphus jujuba, 5-8 parts of Fructus Mori, 10-30 parts of Cartialgenous, 5-25 parts of Angelica sinensis, 1-3 parts of maltodextrin, 0.5-0.8 part of beeswax. According to the present disclosure, some raw materials are subjected to ultrasonic wall breaking, and Ziziphus jujube and Fructus Mori are added to the buccal tablets in the form of pulp, which significantly improves the absorption of active ingredients; the obtained buccal tablets have better taste and can effectively lower the cholesterol level.

21: 2023/05723. 22: 2023/05/29. 43: 2023/11/29
51: G06F; H04L; G06Q
71: Southwest Forestry University
72: HUANG, Yuxiang, DAI, Fei, WANG, Leiguang, QIN, Mingming
54: CROSS-BORDER TRADE DATA STORAGE METHOD BASED ON PARALLEL PBFT CONSENSUS MECHANISM
00: -
The present invention relates to a cross-border trade data storage method based on a parallel PBFT consensus mechanism. To adapt to the scenario demand of diversified trade data of cross-border trade, a parallel consensus node set partitioning strategy is designed in combination with the attributes of node services in groups, request data are verified using node sets as a unit, and the quantity of nodes is decoupled with verification efficiency; consensus processes are initialized parallelly, the progress status of each consensus process is recorded; after a view switching operation is initialized, the consensus process of the second master node can be continuously executed without triggering a new consensus process again. Compared with the conventional Byzantine-Fault-Tolerant consensus mechanism, the present invention has the advantages of higher transaction throughput, no limitation to the total quantity of participating consensus nodes, capability of saving the time of consensus processes.

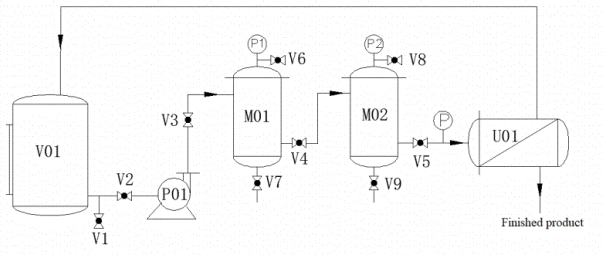


21: 2023/05724. 22: 2023/05/29. 43: 2023/11/29
51: A23K
71: GUANGDONG HINTER BIOTECHNOLOGY GROUP CO., LTD.
72: ZHANG, Jian, PAN, Leilei, HU, Haibin, LI, Yanxian, ZHEN, Shuqi
54: PREMIX FOR PREVENTING ACUTE ENTERITIS OF CHANNA STRIATA AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
Acute enteritis is one of the diseases of Channa striata with the highest incidence and greatest harm. The present disclosure provides a premix for preventing acute enteritis of Channa striata, comprising the following components in parts by weight: 5-8 parts of Psidium guajava leaf fermentation liquor, 25-30 parts of Euphorbia thymifolia fermentation liquor, 10-15 parts of Lysimachia fermentation liquor, 10-15 parts of vitamin C acetate, 5-10 parts of vitamin E, 20-30 parts of corncob powder as a filler. The obtained premix is used for preventing acute enteritis of Channa striata.

21: 2023/05725. 22: 2023/05/29. 43: 2023/11/29
51: A23K
71: GUANGDONG HINTER BIOTECHNOLOGY GROUP CO., LTD.
72: LI, Yanxian, HU, Haibin, ZHANG, Jian, PAN, Leilei, ZHEN, Shuqi
54: FEED ADDITIVE FOR PREVENTING SPINAL DEFORMITY OF CHANNA STRIATA AND APPLICATION THEREOF
00: -
The present disclosure provides a feed additive for preventing spinal deformity of Channa striata and an application thereof, and belongs to the technical feed of feed additives. According to the present disclosure, a feed additive for preventing spinal deformity of Channa striata comprises the following

components in parts by weight: 60-70 parts of vitamin C, 0.04-0.06 part of vitamin D, 75-80 parts of vitamin E, 0.15-0.20 part of organic selenium, 80-100 parts of taurine, 80-100 parts of Astragalus polysaccharides and 9,650-9,705 parts of corncob powder. The feed additive for preventing spinal deformity of Channa striata provided by the present disclosure can prevent and reduce the incidence of spinal deformity of Channa striata to meet the needs for healthy development of Channa striata aquaculture industry.

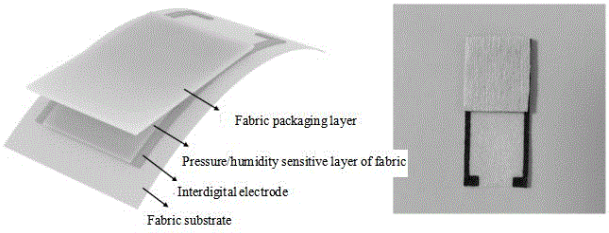
21: 2023/05726. 22: 2023/05/29. 43: 2023/11/29
51: C12H
71: INSTITUTE OF APPLIED CHEMISTRY, JIANGXI ACADEMY OF SCIENCES, Jiangxi Mead Bee Products Co., Ltd.
72: XU, Jianguo, XU, Gang, ZENG, Guoping, SHU, Hongfeng
33: CN 31: 2022111134790 32: 2022-09-14
54: NORMAL TEMPERATURE DEGERMING DEVICE AND METHOD FOR FERMENTED MEAD
00: -
Provided are a normal temperature degerming device and method for fermented mead. By adopting a system of multistage microfiltration combined with ultrafiltration treatment, the whole filtration process is performed in a normal temperature low-pressure condition, non-thermal sterilization (normal temperature degerming) of the fermented mead can be realized, qualities such as taste and nutritional ingredients of the mead are prevented from being damaged in the thermal treatment sterilization process, effective (or nutritional) compositions of the mead are reserved to the maximum extent favorably, and color, aroma and taste of the fermented mead are kept favorably, so the mead with good taste and sufficient nutritional ingredients is obtained, and a purpose of prolonging the shelf life is achieved.



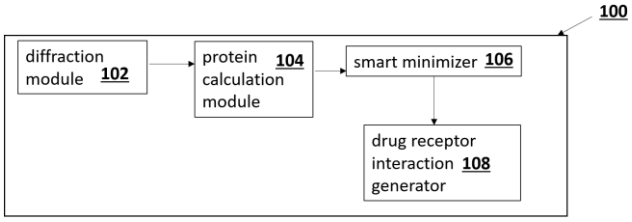
21: 2023/05727. 22: 2023/05/29. 43: 2023/11/29
51: A01H
71: Anhui Science And Technology University
72: Lu xiaomin, Dong Xinde, He keqin, Zhang Xueping
33: CN 31: 2023104729202 32: 2023-04-27
54: TISSUE CULTURE MEDIUM AND CULTURE METHOD FOR DETOXIFYING POTATOES RAPIDLY
00: -
The invention belongs to the technical field of rapid detoxification culture for potato (Solanum tuberosum), in particular to a tissue culture medium and a culture method for detoxifying potatoes rapidly. The tissue culture medium is a novel MS culture medium; the novel MS culture medium comprises 0.2 mg/L of GA3, 0.05 mg/L of NAA, 0.5 mg/L of 6-BA, 100 g/L of inositol, the sucrose with parts by mass of 2% and the agar with parts by mass of 0.6%; the novel MS culture medium also comprises 0.3-0.5 mg/L of activated carbon. The cultivation period, cultivation success rate, detoxification rate, survival rate and average yield per plant of the potatoes in the present invention are larger than those of potatoes by only adopting the tissue culture method for detoxifying potatoes rapidly in the present invention or only adopting the tissue culture medium for detoxifying potatoes rapidly in the present invention, and larger than those of potatoes by adopting the combination of the common tissue culture method for potatoes in the market and the tissue culture medium for potatoes in the market. And the labor cost is lower and the culture efficiency is higher.

21: 2023/05728. 22: 2023/05/29. 43: 2023/11/29
51: A41D; G01L
71: Anhui Polytechnic University
72: ZHENG Xianhong, LI Changlong, WANG Peng, TANG Jinhao, DING Binbin, HU Qiaole, NIE Wenqi, LIU Tongshuang, LI Zhiying, HE You
54: FABRIC-BASED PRESSURE AND HUMIDITY SENSOR SYNCHRONOUS MEASUREMENT AND PREPARATION METHOD THEREOF
00: -
The invention discloses a fabric-based pressure and humidity sensor synchronous measurement and a preparation method thereof. An MXene-based interdigital electric base lay is constructed on that fabric surface by a screen printing method, and an MXene-based pressure/humidity sensitive layer is

prepare by a layer-by-layer assembly method, and an all-fabric-based pressure/humidity sensor is prepared by ultrasonic bonding of insulating fabrics; Because the MXene-based interdigital electrode constructed on the surface of the fabric substrate will give the electrode layer and the sensing layer a higher contact area, and the bridging effect of one-dimensional nanomaterials and two-dimensional nanomaterials used in the sensing layer will give the sensing layer fabric excellent conductivity, the prepared device has excellent pressure sensing performance and humidity sensing performance; In addition, humidity sensing and pressure sensing can be switched freely through the switch, and it has a great application prospect in the field of smart wearable.

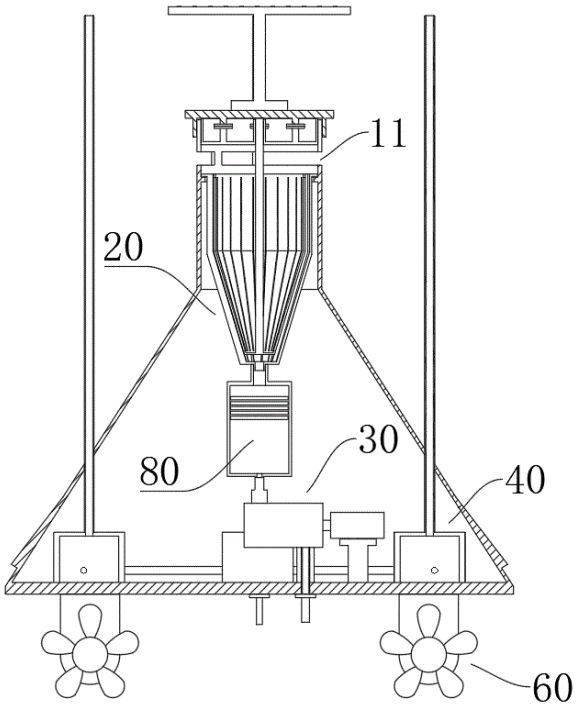


21: 2023/05729. 22: 2023/05/29. 43: 2023/12/11
51: A61K
71: PUGAZHENTHAN THANGARAJU, SAURABH VARSHNEY, KOTA SESHA BRAHMA SREE KRISHNA SASANKA, SREE SUDHA TANGUTURI YELLA, PRAKASH SRINIVASAN TIMIRI SHANMUGAN, VIJAYAKUMAR ARUMUGAM RAMAMURTHY, DEEPA NATRAJAN, HIMANSHU NIRMAL CHANDU, SAJITHA VENKATESAN
72: PUGAZHENTHAN THANGARAJU, SAURABH VARSHNEY, KOTA SESHA BRAHMA SREE KRISHNA SASANKA, SREE SUDHA TANGUTURI YELLA, PRAKASH SRINIVASAN TIMIRI SHANMUGAN, VIJAYAKUMAR ARUMUGAM RAMAMURTHY, DEEPA NATRAJAN, HIMANSHU NIRMAL CHANDU, SAJITHA VENKATESAN
54: A SYSTEM AND METHOD FOR ANALYZING DACLATASVIR BASED FORMULATION FOR TREATING MUCORMYCOSIS
00: -
A System (100) and method (200) for analyzing Daclatasvir to treat Mucormycosis, comprises of: a diffraction module (102) for obtaining mucormycosis vital protein (1XFF) from a protein source; a protein calculation module (104) associated with the diffraction module (102) for calculating protein content and partial charge of the obtained Mucormycosis protein; a smart minimizer (106) associated with the protein calculation module (104) for achieving a stable global energy level based on the partial charge calculated; and a drug receptor interaction generator (108) associated with the smart minimizer (106) for investigating a binding pattern of active site amino acids with drug molecule Daclatasvir in the stable energy state.

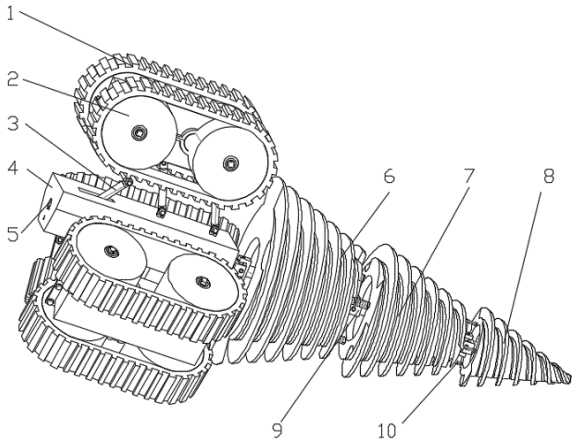


21: 2023/05730. 22: 2023/05/29. 43: 2023/11/29
51: E02B
71: Zhengzhou University of Aeronautics
72: Wang Xiuhong, Li Ming, Liu Dewen, Li Mufan, Li Changjin, Zhang Xuecheng, Li Xuejiao, Zhang Yijing
33: CN 31: 2022109633095 32: 2022-08-11
54: WATER GARBAGE CLEANING AND TRANSPORTING MACHINE BASED ON TRIZ THEORY
00: -
The invention provides a water garbage cleaning and transporting machine based on TRIZ theory, which relates to the technical field of garbage cleaning equipment. The water garbage cleaning and transporting machine based on TRIZ theory comprises a shell, wherein a garbage inlet is arranged on the shell; a garbage collecting device, which is arranged inside the shell and used for receiving the garbage entering from the garbage inlet; a water draining device, which is arranged on the shell and used for draining the water in the garbage collecting device to the outside of the shell; a self-settling device, which is arranged on the shell and changes the gravity of the garbage cleaning and transporting machine by changing its own water storage capacity, so as to control the running height of the garbage cleaning and transporting machine in the water. The invention can detect the position of water surface garbage in real time, reduce the useless work of garbage truck, shorten the waste time of work, and improve the power system of unmanned water garbage truck into a dual-engine double-propeller power system, so that it can control

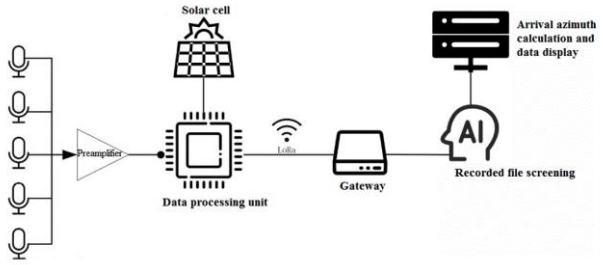
the running direction of unmanned water garbage truck by controlling the rotating speed of two propellers when turning or turning around.



21: 2023/05734. 22: 2023/05/29. 43: 2023/11/30
51: B08B
71: CHENGDU VOCATIONAL AND TECHNICAL COLLEGE OF INDUSTRY
72: LIU, Yu, QIAO, Jianchun, WU, Zhaoyu, YU, Qian, HAN, Yong, YANG, Shuang, YANG, Xingying
54: A ROBOT FLEXIBLE ONLINE CLEANING MACHINE
00: -
The present invention discloses a robot flexible online cleaning machine, which relates to the technical field of pipeline cleaning equipment and comprises a machine body, a driving part and a drill bit; There are multiple units of the driving part arranged outside the machine body in a surrounding mode; The drill bit is arranged in front of the machine body, and is rotatably connected with the machine body through a drill stand; wherein, the drill stand is connected with the drill bit through a universal coupling, and a return spring is arranged between the drill stand and the drill bit, and the return spring is arranged on the periphery of the universal coupling; The machine body is internally provided with a power supply assembly for supplying power to the driving part and the drill stand. A robot flexible online cleaning machine is disclosed in the present invention, which can remove hard foreign objects in a pipeline with a drill bit structure and is suitable for bent pipelines.

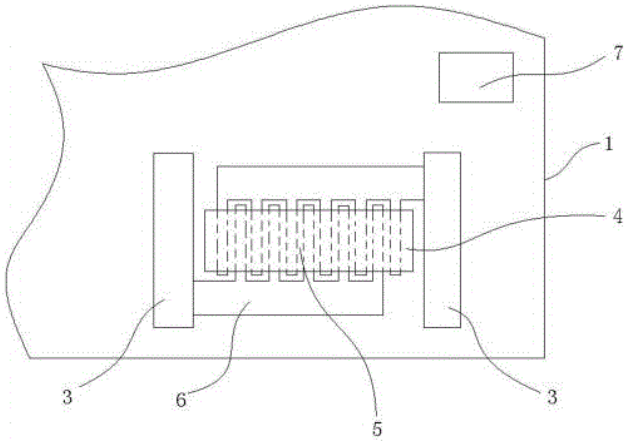


21: 2023/05735. 22: 2023/05/29. 43: 2023/11/30
51: H04B
71: RESEARCH INSTITUTE OF TROPICAL FORESTRY, CHINESE ACADEMY OF FORESTRY, GUANGZHOU UNIVERSITY
72: Zezhou HAO, Yixin CHEN, Taiqi RUAN, Ruichen WU, Chengyun ZHANG
54: URBAN FOREST BIOACOUSTIC MONITORING AND POSITIONING METHOD AND SYSTEM BASED ON THREE-DIMENSIONAL SPACE
00: -
The present invention discloses an urban forest bioacoustic monitoring and positioning method and system based on three-dimensional space, which relate to the field of urban forest bioacoustic monitoring technologies. The method includes: placing array element units each having a function of receiving sound signals in a predetermined array in an area to be monitored and positioned; establishing a mathematical model of the sound signals received by the array element units; performing spectral peak search on an angle scope of interest using the mathematical model of the sound signals received by the array element units to acquire azimuth and elevation angles; and acquiring direction and height information of sound sources based on the azimuth and elevation angles and spatial height categories of different tree layers. The present invention can monitor and position the distribution and difference of different living things at different height layers of trees.



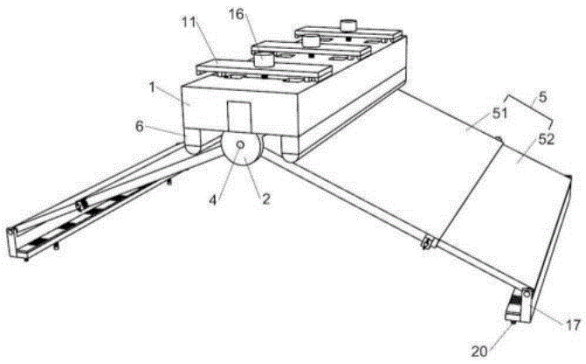
21: 2023/05770. 22: 2023/05/30. 43: 2023/11/29
51: A61K; A61P
71: Institute of Veterinary Medicine, Xinjiang Academy of Animal Husbandry Sciences (Animal Clinical Medicine Research Center, Xinjiang Academy of Animal Husbandry Sciences)
72: Zhiqiang LIU, Huiling GUO, Wenxin ZHENG, Junwei WANG, Nu'er KU'ERMANALI, Guli CHEN, Li ZHAO, Wanli BAN, Shuai LIU
54: LONG-ACTING COMBINED AGENT FOR EXPELLING AND KILLING ECTOPARASITES IN LIVESTOCK AND POULTRY
00: -
The present disclosure belongs to the technical field of veterinary drug design and research and development in the animal husbandry, particularly discloses a long-acting combined agent for expelling and killing ectoparasites in livestock and poultry. The combined agent comprises the following components: 1.5% of lambda-cyhalothrin (w/v), 6% of 2-isopropoxybenzene-N-methylcarbamate (w/v), 0.5% of fenvalerate (v/v), 0.2% of phoxim (v/v), 84.3% of food-grade white oil (v/v) and 15% of acetone substitute (v/v). The oil-based combined agent is insoluble in water and has good adsorbability. After the combined agent is sprayed on the body surface of the livestock and poultry, a layer of film that is not easy to remove will be formed, and the drug effect will be slowly released to effectively expel and kill the ectoparasites of the livestock and poultry.

21: 2023/05771. 22: 2023/05/30. 43: 2023/11/29
51: G01N
71: Lingnan Normal University
72: Min ZHAO, Guiying LIU, Xiaotao HUANG
54: A GAS SENSOR AND ITS FABRICATION METHOD
00: -
The present invention discloses a gas sensor, including a substrate, a graphene layer, a metal electrode pair, and a metal oxide layer; the substrate, graphene layer and metal electrode pair are arranged from bottom to top in turn; the metal electrode pair includes two metal electrodes, and the area between the two metal electrodes is a channel; the width of the channel is 1.5 ~ 2 mm, and the graphene layer at the channel has a gap groove, which breaks the graphene layer at the channel and forms a graphene electrode pair; the metal oxide layer is located at the channel and is covered on the graphene electrode pair and the gap groove to connect the graphene electrode pair; the area of the metal oxide layer is smaller than that of the channel. The present invention also discloses a fabrication method of a gas sensor. The present invention adopts one of above gas sensors with high response intensity and good specific selectivity.



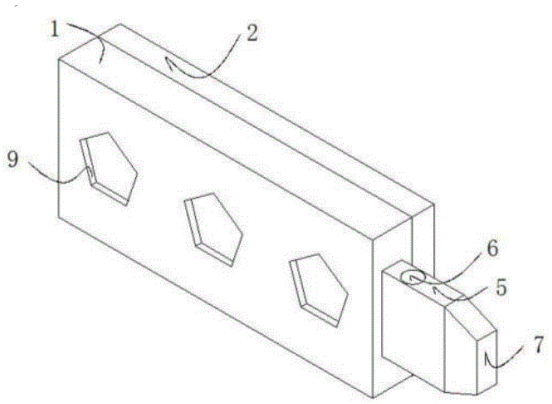
21: 2023/05772. 22: 2023/05/30. 43: 2023/11/29
51: E04D
71: China Construction Fifth Engineering Bureau (Yantai) Construction Engineering Co., Ltd.
72: LU, Hairong, YU, Jianjun, HUANG, Xinjian, JIANG, Xinxin, YIN, Hailong
33: CN 31: 2022111074944 32: 2022-09-13
54: BUILDING ENERGY-SAVING STRUCTURE AND BUILDING ENERGY-SAVING METHOD
00: -
The present invention discloses a building energy-saving structure and a building energy-saving method. A building energy-saving structure includes a mounting frame. A docking frame is inserted into a lower part of the mounting frame, and locking grooves are arranged on a side wall of the docking frame. The docking frame is fixed by elastic locking assemblies, and the elastic locking assemblies are pushed by down-pressure assemblies. The down-

pressure assemblies are arranged on an upper part of the mounting frame. A cylindrical shaft is mounted on the docking frame, and thermal insulation plates are symmetrically and rotatably mounted on the docking frame by the cylindrical shaft.



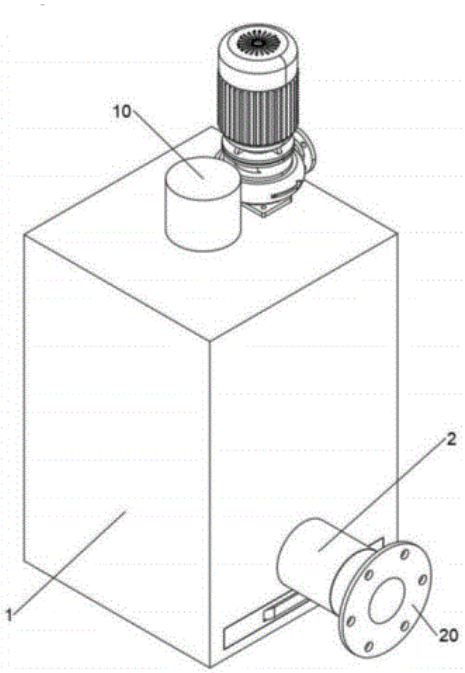
21: 2023/05773. 22: 2023/05/30. 43: 2023/11/29
51: A01G; E04B; E04C
71: China Construction Fifth Engineering Bureau (Yantai) Construction Engineering Co., Ltd.
72: YU, Jianjun, LU, Hairong, JIANG, Xinxin, WANG, Chun, HUANG, Xin
33: CN 31: 202222398218X 32: 2022-09-09
54: ENERGY-CONSERVATION WALL PANEL FOR GREEN BUILDING
00: -

The present invention discloses an energy-conservation wall panel for a green building. The energy-conservation wall panel for a green building includes an outer panel. An inner panel is fixedly connected to a rear side of the outer panel. A clamping groove is arranged on a left side of the outer panel. Slots are arranged on a top and a bottom of the left side of the outer panel. The slots are in communication with the clamping groove. The present invention can provide the outer panel with good properties in water proof, wear resistance, and corrosion resistance by the corrosion-resistant layer, wear-resistant layer, and waterproof layer. In addition, it can provide the inner panel with properties in heat preservation, thermal insulation, and noise absorption by the heat preservation layer, thermal insulation layer, and sound absorption layer so as to improve the overall service life of the energy-conservation wall panel.

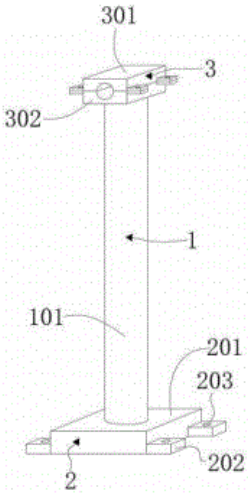


21: 2023/05774. 22: 2023/05/30. 43: 2023/11/29
51: B01D
71: China Construction Fifth Engineering Division Corp., Ltd.
72: JIANG, Xinxin, YU, Jianjun, YIN, Hailong, ZHOU, Yinan, CHANG, Rongjia
33: CN 31: 2022106436343 32: 2022-06-09
54: CLOSED RECOVERY DEVICE FOR BUILDING CONSTRUCTION WASTE GAS
00: -

The present invention relates to the technical field of building construction, particularly to a closed recovery device for building construction waste gas, including a recovery tank and an air inlet pipe communicating with an outer wall of the recovery tank close to the bottom. Inner grooves are arranged on inner walls of the recovery tank. Screw rods are rotatably arranged in the inner grooves. A filter plate is slidably arranged in the recovery tank. A convex plate in threaded connection with outer walls of the screw rods is arranged on an outer wall of the filter plate. A movable cylinder is slidably arranged in the air inlet pipe by a sliding plate. Springs are connected between ends of the sliding plate and an inner wall of the air inlet pipe.



21: 2023/05775. 22: 2023/05/30. 43: 2023/11/29
51: E04B; E04C
71: China Construction Fifth Engineering Bureau (Yantai) Construction Engineering Co., Ltd.
72: LU, Hairong, HUANG, Xinjian, JIANG, Xinxin, CHEN, Mengmeng, ZHANG, Chong
33: CN 31: 2022223474021 32: 2022-09-05
54: SUPPORT COLUMN FOR PREFABRICATED BUILDING
00: -
The present invention discloses a support column for a prefabricated building. The support column for a prefabricated building includes a support mechanism. A mounting mechanism is fixedly mounted on a bottom of the support mechanism. The support mechanism includes an outer layer, a body layer, reinforcing ribs, and a filling layer. The body layer is located in an inner cavity of the outer layer. The reinforcing ribs and the filling layer are located between the outer layer and the body layer. The outer layer includes an anti-rust coating, a reinforcing layer, and an anti-oxidation coating. The present invention adopts the mounting mechanism to facilitate the fixing of the support mechanism and provides the fixing mechanism to facilitate the fixing of the steel pipe. The support mechanism is composed of the outer layer, the body layer, reinforcing ribs, and the filling layer, which increases the bearing capacity of the support mechanism.

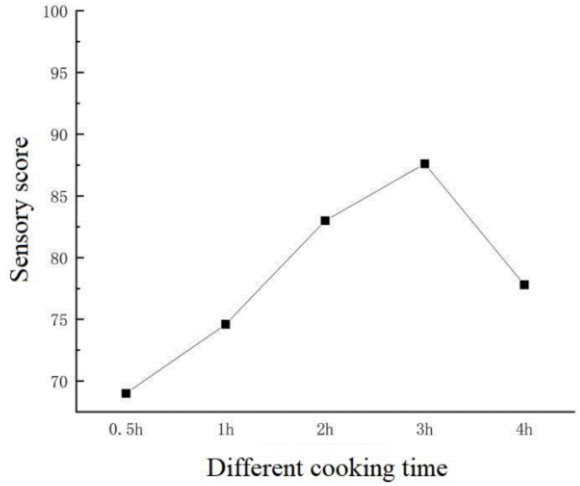


21: 2023/05776. 22: 2023/05/30. 43: 2023/11/29
51: A01H
71: Anhui Science And Technology University
72: He keqin, Lu xiaomin, Su Shuangfei, Xia keming
33: CN 31: 2023104413214 32: 2023-04-20
54: SPECIAL SUBSTRATE COMPOSITION FOR STRAWBERRY TISSUE CULTURE
00: -
The invention belongs to the technical field of culture substrates, in particular to a special substrate composition for strawberry tissue culture, which comprises a primary culture medium, an induction culture medium and an expanded propagation culture medium; the primary culture medium comprises 0.05-0.15 mg/L of novel MS and 2.5-4.6 g/L of gel, and the PH value of the primary culture medium is 5-6; the induction medium comprises 0.2-0.5 mg/L of novel MS and 7-8 g/L of gel; and the expanded propagation culture medium comprises 0.3-1.2 mg/L of novel MS and 6-9 g/L of gel. According the invention, different nutritional requirements are given at different stages in the strawberry cultivation process, and the nutrient balance in the strawberry growth process is ensured; the defects that various stages of the traditional culture medium are prone to over-nutrition or under-nutrition and strawberry diseases are overcome effectively, the rooting rate and shoot tip survival rate of strawberries are improved, and the seedlings cultivation quality is improved.

21: 2023/05777. 22: 2023/05/30. 43: 2023/11/29
51: A23L

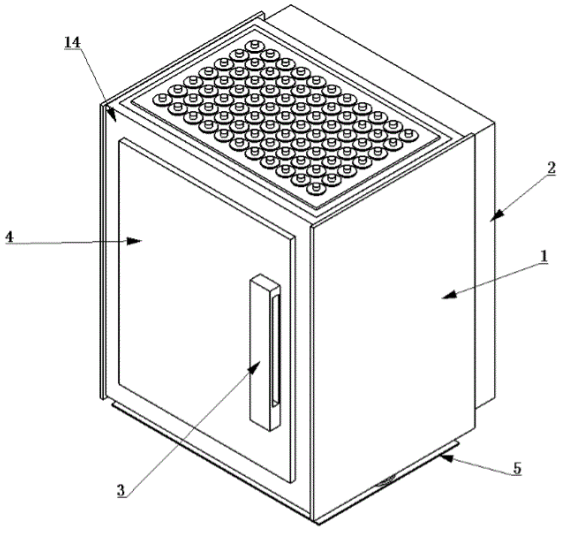
71: ZHONGKAI UNIVERSITY OF AGRICULTURE AND ENGINEERING
72: BAI, Weidong, QIAN, Min, LI, Yanxin, ZHAO, Wenhong, ZENG, Xiaofang, DONG, Hao, JIANG, Hao
54: METHOD FOR MAKING CANTONESE GINGER VINEGAR EGG
00: -

Disclosed is a method for making a Cantonese ginger vinegar egg. The method includes: putting eggs and raw water into a pot, and cooking the eggs for 8 min; scooping up the eggs, immediately dipping the eggs into cold water, and waiting for a moment; cooling the eggs, and carefully peeling off eggshells; washing ginger without peeling clean, flattening the ginger, so as to facilitate taste, adding a bottle of Guangdong Hakka Niang wine, and cooking the eggs with low heat for half an hour; adding three bottles of vinegar and dried orange peel, cooking the shelled eggs thoroughly, boiling the eggs over high heat, and turning the high heat to low heat for cooking; and taking the eggs out at 0.5 h-4 h. The Cantonese ginger vinegar egg of the present invention has a reddish color, a fragrance of the dried orange peel and a mellow taste.



21: 2023/05778. 22: 2023/05/30. 43: 2023/11/30
51: A01N
71: JIANGSU PROVINCE HOSPITAL (THE FIRST AFFILIATED HOSPITAL WITH NANJING MEDICAL UNIVERSITY)
72: Faxi LIN
54: FREEZING EQUIPMENT FOR SPERM STORAGE
00: -

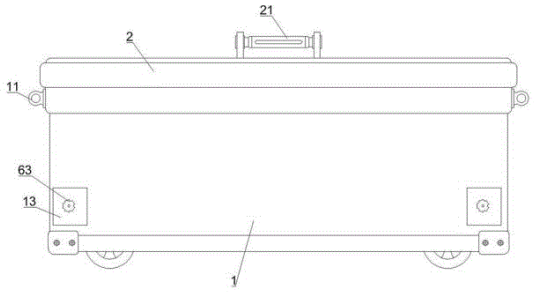
The present disclosure provides freezing equipment for sperm storage, including an equipment main body, a door body, a transparent square sheet, and a placement plate; cotton damping boards are respectively mounted on a left side and a right side of the equipment main body; the door body is mounted on a front side of the equipment main body; damping springs are symmetrically mounted on a lower left side and a lower right side of the equipment main body; a handle is mounted on a right end of a front side of the door body; and a plurality of through holes are formed in a surface of the transparent square sheet. The design solves the following problems: The original device has a poor damping effect in a transportation process; opening the box door to select sperms spends long time; and the external hot air staying in the equipment for long time may affect sperms. The freezing equipment for sperm storage has a reasonable structure and good practicability; sperms can be selected without opening the equipment by adding a damping structure, a telescopic motor, the transparent square sheet, and the through holes; after the selection is completed, a corresponding through hole is opened to take out the sperms, so that the influence of external hot air on the quality of the sperms is reduced as far as possible, and the stability of the equipment in the transportation process is improved.



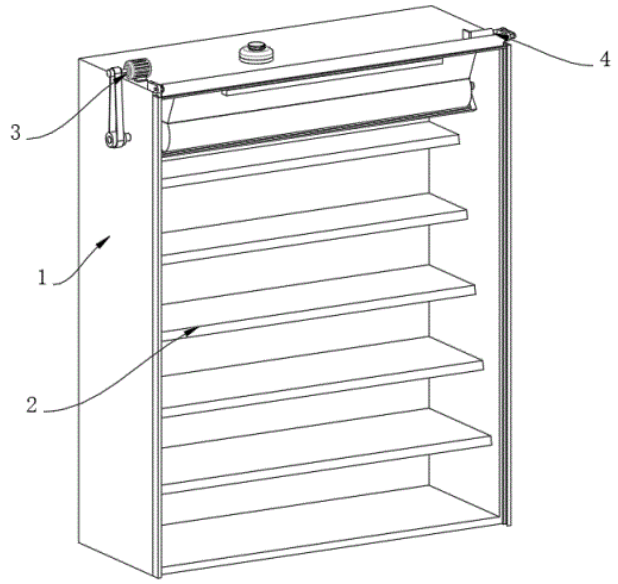
21: 2023/05792. 22: 2023/05/30. 43: 2023/11/29
51: A01N; A01P

71: NANTONG JIANGSHAN AGROCHEMICAL & CHEMICALS CO., LTD.
72: DU, Hui, REN, Xinfeng, ZHU, Yanmei, FAN, Meiyun, DONG, Lei, XU, Yingrong
33: CN 31: 202110304261.2 32: 2021-03-22
54: HERBICIDAL COMPOSITION, PREPARATION AND ITS APPLICATION
00: -
The present invention relates to agricultural chemicals, in particular, to a herbicidal composition, a preparation, and an application thereof. The herbicidal composition comprises 3-(2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-3,6-dihydropyrimidine-1(2H)-yl)phenyl)-5-methyl-4,5-dihydroisoxazole-5-carboxylic acid ethyl ester and glyphosate, the weight ratio of which is 1:(10-100). The present invention also provides a dispersible oil suspension comprising the herbicidal composition. By selecting and optimizing the types and contents of emulsifier, dispersing agent, synergist, viscosity modifier, and dispersion medium, the prepared dispersible oil suspension is stable in quality, good in performance, and more beneficial to exertion of the chemical effect, and has excellent low-temperature fluidity, dispersion stability, thermal storage stability, or the like; the raw materials are easy to obtain, the preparation process is simple, and the present invention is easy for industrial production and suitable for preventing weeds in noncropland.

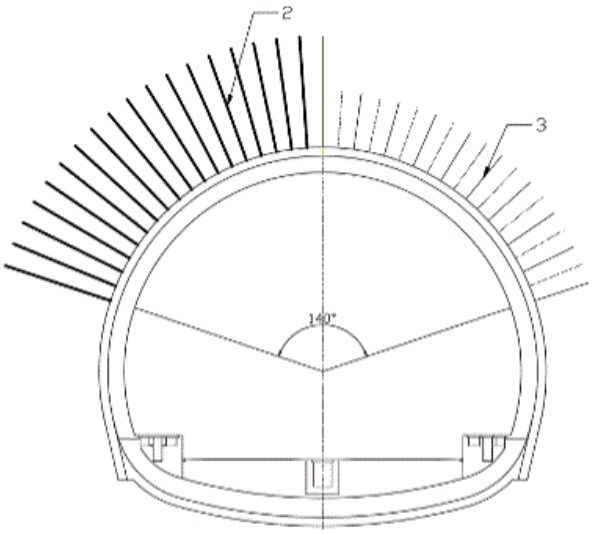
21: 2023/05824. 22: 2023/05/31. 43: 2023/12/01
51: A45C; G01D
71: Henan University of Urban Construction
72: DING, Leixiang, LIANG, Zhansheng, LI, Feixiang, FAN, Dingwen, LI, Yunshi, LI, Taifeng, HONG, Zhiqiang, LI, Leilei
33: CN 31: 2023200817182 32: 2023-01-12
54: MAPPING INSTRUMENT BOX FOR OUTDOOR MAPPING
00: -
Provided is a mapping instrument box for outdoor mapping, including a box body and a top cover, and the top cover is mounted at an opening of a top of the box body; four corners below the top cover are all vertically and fixedly provided with a fixing rod, lower ends of the fixing rods are movably inserted into vertical holes correspondingly formed in the box body, transverse slots that vertically communicate with the vertical holes are horizontally formed in the two side walls of the box body, and locking mechanisms fitting with the fixing rods are mounted in the transverse slots; a sealing structure is mounted at the top cover and the opening of the box body; and an outer sealing plate and an inner sealing plate are fixedly arranged at a bottom of the top cover.



21: 2023/05825. 22: 2023/05/31. 43: 2023/12/01
51: A62C
71: Zhejiang International Maritime College
72: Qin ZHOU
54: A LIBRARY SHELF WITH FIRE PEVENTION AND FIRE EXTINGUISHING FUNCTIONS
00: -
The invention patent relates to the technical field of library bookshelf, specifically for a library bookshelf with fire prevention and fire extinguishing function. The patent of the invention includes a frame body, the frame body has a number of partition plates, the frame body is equipped with a regulating structure, the adjusting structure includes the dry powder box, the dry powder box and the frame body, the discharge box, the side of the discharge box, the rotating shaft is fixed connection with a cover plate, the cover plate away from the rotating shaft is connected to the discharge box. When the traditional library bookshelf is found, the fire extinguisher and the fire source are far away, the operator needs to go to get the fire extinguisher, and then rush back to the fire place to extinguish the fire source, and the fire source cannot be extinguished in the first time when the fire is found, resulting in serious damage to the books at the fire source.

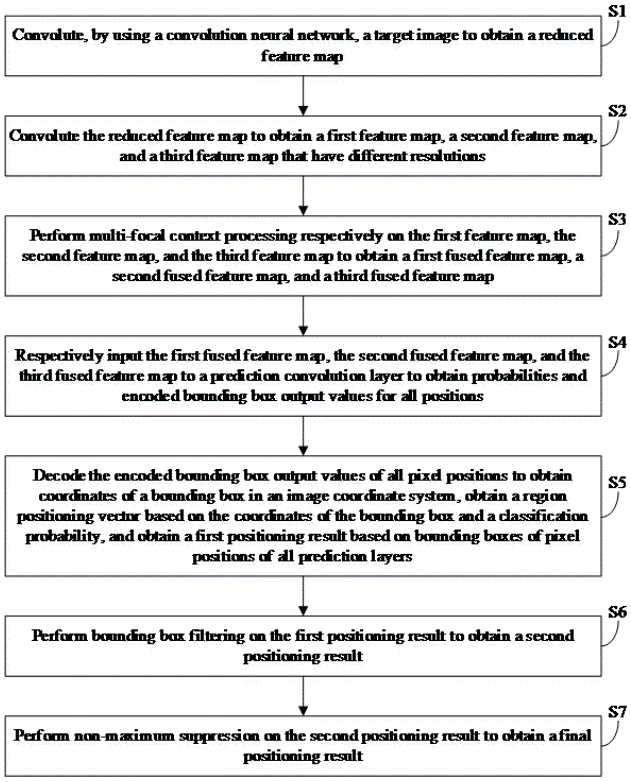


21: 2023/05836. 22: 2023/05/31. 43: 2023/11/30
51: E21D
71: CHINA RAILWAY 18 BUREAU GROUP CO. LTD.
72: ZHANG, Xiangping, LIAO, Jianwei, Ll, Guoyong, QING, Peng, LIN, Ziyuan, LIU, Lei
54: METHOD FOR RESISTING BIAS WITH TUNNEL SEMI-CROSS SECTION ADVANCED PIPE SHED AND ARCH FRAME SELF-FEEDING LONG BOLT SURROUNDING LOCK FOOT
00: -
The present invention relates to the field of researches on tunnel excavation technologies, in particular to a method for resisting a bias with a tunnel semi-cross section advanced pipe shed and an arch frame self-feeding long bolt surrounding lock foot, comprising the following steps: performing, by using a middle-sized pipe shed, an advanced support on a confinement pressure bearing surface on a left side of a tunnel line, and performing, by using an advanced small pipe, an advanced support on a right side; jetting concrete to an inner wall of a tunnel, anchoring, by using a hollow grouting bolt, an arch part, anchoring, by using a mortar bolt, a side wall, erecting a steel mesh and a full-ring steel arch frame in the tunnel, and reinforcing the steel arch frame using a self-feeding long hollow grouting bolt as an arch frame lock foot; and performing secondary lining, by using a reinforced concrete structure, on the tunnel. The present invention rapidly solves the problems that a confinement pressure applied to a shallow bias section of a highway tunnel is large, and an initial support is effectively prevented from easily deforming, shifting, invading and collapsing by locally taking measures.



21: 2023/05848. 22: 2023/05/31. 43: 2023/12/01
51: G06K
71: ObjectEye (Beijing) Technology Co., Ltd.
72: Jinqiao WANG, Chaoyang ZHAO, Xu ZHAO
33: CN 31: 202011432151.6 32: 2020-12-09
54: POSITIONING METHOD, POSITIONING APPARATUS AND ELECTRONIC DEVICE FOR HUMAN HEAD AND SHOULDERS AREA
00: -
Disclosed in the embodiment of the present invention are a positioning method, positioning apparatus and electronic device for a human head and shoulders area. The positioning method comprises: convoluting a target image by means of a convolutional neural network to obtain a zoomed-out feature map; convoluting again to obtain a first feature map, a second feature map and a third feature map; executing multi-focus context processing to obtain a first fusion feature map, a second fusion feature map and a third fusion feature map; passing through a prediction convolutional layer to obtain the probability and coding bounding box output value of each position; performing anti-coding on the coding bounding box output value at each pixel position to obtain bounding box coordinates in an image coordinate system, and acquiring a first positioning result by combining classification probability; performing bounding box filtering to obtain a second positioning result; and performing non-maximum suppression to obtain a

final positioning result. The present invention directly generates positioning results from an input image, which is more efficient than a two-stage method. Meanwhile, the neural network has a light structure, and can accurately and efficiently extract features of the head and shoulders area.



21: 2023/05866. 22: 2023/06/01. 43: 2023/12/01
51: A01G
71: Institute of Horticulture, Sichuan Academy of Agricultural Sciences
72: LI Wengui, ZHANG Quanjun, ZHONG Bifeng, LIU Jia, JIANG Linjia

54: NECTARINE PLANTING METHOD WITH HIGH QUALITY, HIGH YIELD AND LONG LEAF VIEWING PERIOD

00: -

The invention relates to the technical field of nectarine planting, in particular to a nectarine planting method with high quality, high yield and long leaf viewing period. Specifically, mixed solution spraying treatment is carried out for three times before fruit ripening, and mixed solution spraying treatment is carried out for two times after fruit picking, and fertilizer with the ratio of nitrogen, phosphorus and potassium of 3: 1: 2 is used for fertilization during the growth period, and the field water content is maintained at 40%-60% after fruit picking; by using the improved fertilizer application ratio and the treatment of spraying mixed drugs on the leaves, the invention has the advantages of low cost, high efficiency and short time consumption, and achieves the effects of high yield and high quality of nectarines and prolonged leaf viewing period.

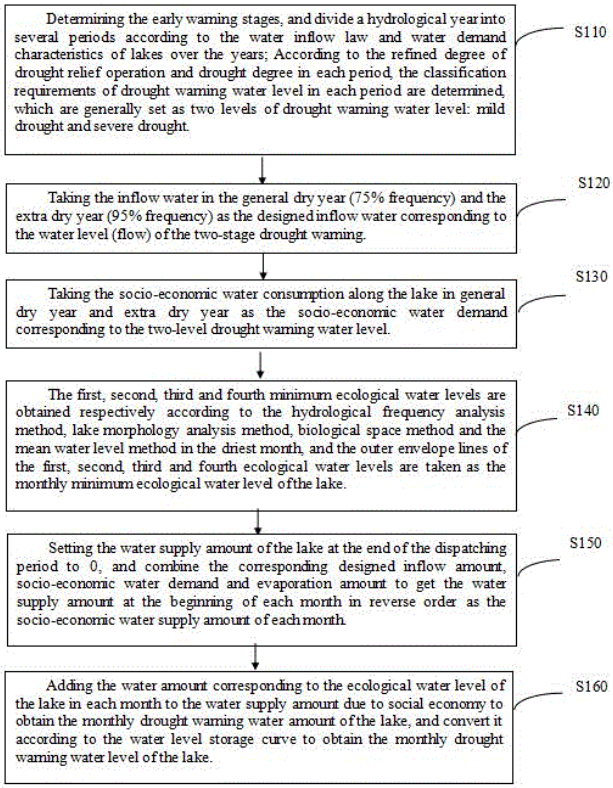
21: 2023/05867. 22: 2023/06/01. 43: 2023/12/01
51: G06Q
71: China Institute of Water Resources and Hydropower Research
72: YAN Ziqi, JIANG Yunzhong, ZHOU Zuhao, YAN Denghua, WEI Ruishen, WANG Kun
33: CN 31: 2022106779019 32: 2022-06-15

54: METHOD FOR DETERMINING DROUGHT WARNING WATER LEVEL OF CONTROLLED WATER SUPPLY LAKE

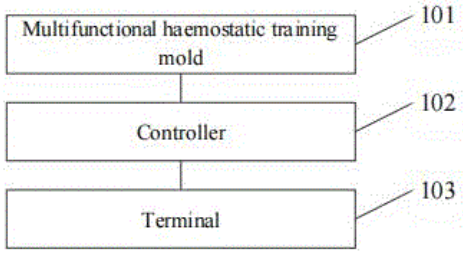
00: -

The invention discloses a method for determining the drought warning water level of a controlled water supply lake, which comprises the following steps: determining the requirements of early warning staging and drought warning water level classification; Take the inflow in dry years as the designed inflow, and the socio-economic water consumption along the lake as the socio-economic water demand; The first, second, third and fourth minimum ecological water levels were obtained respectively according to hydrological frequency analysis, lake morphology analysis, biological space method and the mean water level method in the driest month, and the outer envelope was taken as the monthly minimum ecological water level of the lake. At the end of the dispatching period, the lake water supply should be set to 0, and the water supply at the beginning of each month in the whole year plus the socio-economic water supply should be obtained in reverse order, so as to obtain the monthly drought warning water quantity and drought warning water level of the lake. According to the invention, the defect that the drought warning water level in each month is calculated independently in the prior art is solved, the water consumption in the following months can be effectively guaranteed while the water consumption in the current month is guaranteed, the risk of serious water shortage in the drought period is effectively reduced, and technical

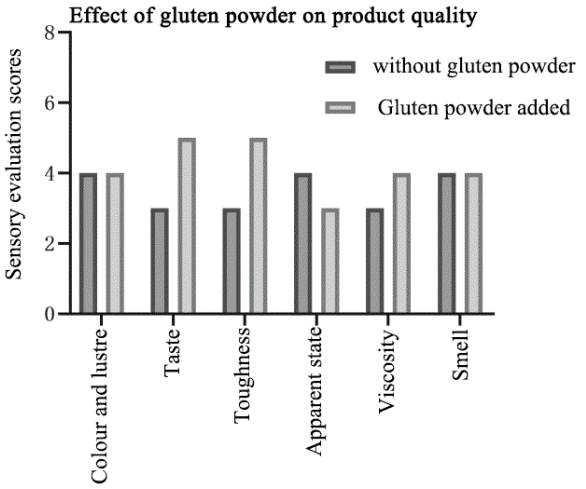
support is provided for the decision-making and management of lake drought resistance.



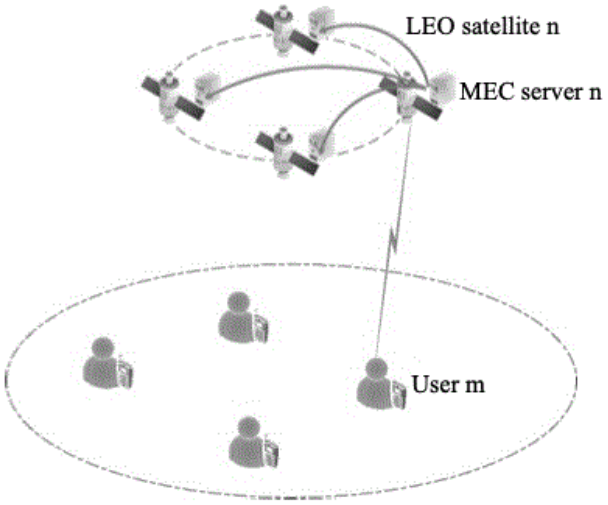
21: 2023/05868. 22: 2023/06/01. 43: 2023/12/01
51: A61F
71: ARMY MEDICAL UNIVERSITY, PEOPLE'S LIBERATION ARMY, PRC
72: ZONG, Zhaowen, CHEN, Lin, JIA, Yijun, MA, Yunfei, JIANG, Renqing, DU, Wenqiong, YANG, Haoyang, ZHONG, Xin, CHEN, Can
33: CN 31: 2023104566864 32: 2023-04-25
54: MULTIFUNCTIONAL HAEMOSTATIC TRAINING PLATFORM
00: -
The present invention discloses a multifunctional haemostatic training platform and relates to the field of medical education. The platform includes: a multifunctional haemostatic training mold, a controller and a terminal. The multifunctional haemostatic training mold is connected to the controller, and the controller is connected to the terminal. The multifunctional haemostatic training mold is used for inflating haemostatic training in a resuscitative aortic balloon, haemostatic training of an inflatable closed abdominal cavity, limb tourniquet training and haemostatic training in a junctional region. The controller is configured to transmit training data acquired by the multifunctional haemostatic training mold to the terminal. The terminal is configured to receive and display the training data. The present invention achieves simulated training of various traumatic hemorrhages.



21: 2023/05869. 22: 2023/06/01. 43: 2023/12/01
51: C08J
71: Anqing Normal University
72: LI Wenjuan, CHEN Zijie, WANG Chao, WANG Yang, LIU Xiangnan, LI Qishen
33: CN 31: 2022106281130 32: 2022-06-02
54: PREPARATION METHOD OF SOYBEAN PROTEIN COMPOSITE GELLED FOOD AND PRODUCT THEREOF
00: -
The present application discloses a preparation method of a soybean protein composite gelled food and a product thereof, and belongs to the technical field of gelled food. The preparation method includes the following steps: dispersing soybean isolate protein in water, adding glycosylation modifier and transglutaminase and subjecting to reaction under acidic condition, inactivating enzyme after the reaction is completed to obtain glycosylated soybean protein; and adding rice flour into the glycosylated soybean protein and uniformly stirring, adding the adhesive and the toughening agent for a second stirring, cooking and packaging to obtain the soybean protein composite gelled food. The present application adopts four kinds of functional rice as raw materials and adds soybean isolate protein to form a composite gel, which has rich nutrition and comprehensive amino acid composition, with certain functionality, and is suitable for various people. The product of the present application diversifies the types of gel food, makes up for the shortcomings of traditional gel staple food with single nutritional structure, suitable for long-term consumption as staple food with no health risks.

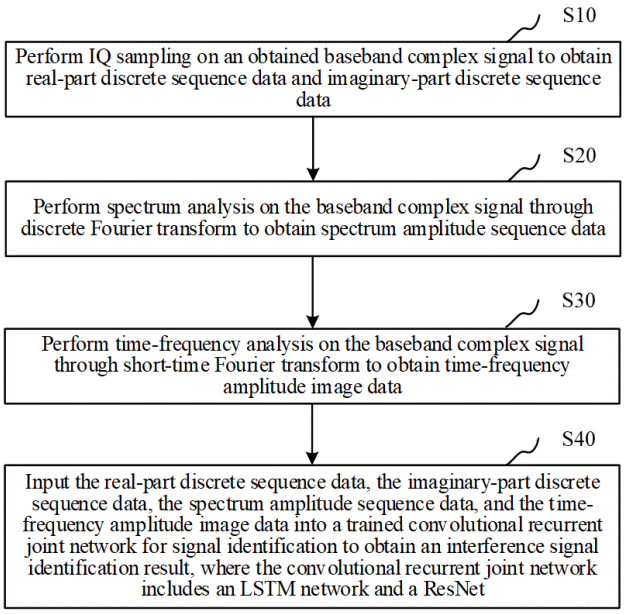


21: 2023/05873. 22: 2023/06/01. 43: 2023/12/05
51: H04L
71: SUN YAT-SEN UNIVERSITY
72: LUO, Zhiyong, LIN, Tianhao, HUANG, Ao
33: CN 31: 202211125448.7 32: 2022-09-14
54: RESOURCE SCHEDULING METHOD AND SYSTEM FOR SATELLITE ELASTIC INTERNET, COMPUTER DEVICE, AND MEDIUM
00: -
The present disclosure provides a resource scheduling method and system for a satellite elastic Internet, a computer device, and a medium. A delay-sensitive satellite elastic Internet architecture is established based on a many-to-many mode between a low earth orbit (LEO) satellite and a client; after a satellite elastic Internet resource scheduling model is established based on the delay-sensitive satellite elastic Internet architecture, a minimum delay optimization model is established based on the satellite elastic Internet resource scheduling model, and the minimum delay optimization model is converted into a corresponding Markov decision model; and the Markov decision model is solved to obtain a resource scheduling strategy. This method can fully utilize computing and storage resources of a satellite, avoid affecting queuing delay performance, meet diverse needs of a client, improve QoS, and improve, based on a deep reinforcement learning (DRL) algorithm, computation efficiency of resource scheduling, thereby achieving service-prioritized, low-delay and load-balanced resource scheduling. This method has a strong generalization capability and high practical value.

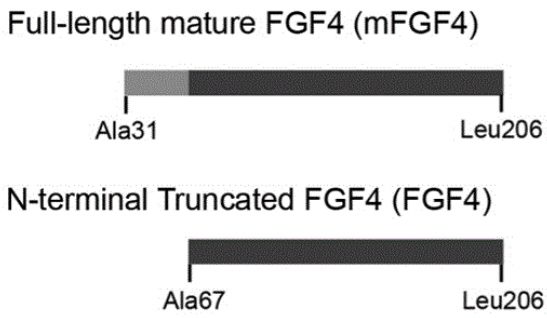


21: 2023/05874. 22: 2023/06/01. 43: 2023/12/05
51: H04B
71: SUN YAT-SEN UNIVERSITY
72: LUO, Zhiyong, FANG, Zhuangxin, WANG, Xiti, SHI, Honghao
33: CN 31: 202210799581.4 32: 2022-07-07
54: INTERFERENCE SIGNAL IDENTIFICATION METHOD AND SYSTEM, COMPUTER DEVICE, AND STORAGE MEDIUM
00: -
The present disclosure relates to the technical field of interference identification, and provides an interference signal identification method, an interference signal identification system, a computer device, and a storage medium. The method includes: performing in-phase and quadrature (IQ) sampling on an obtained baseband complex signal to obtain real-part discrete sequence data and imaginary-part discrete sequence data; performing spectrum analysis on the baseband complex signal through discrete Fourier transform to obtain spectrum amplitude sequence data; performing time-frequency analysis on the baseband complex signal through short-time Fourier transform to obtain time-frequency amplitude image data; and inputting the real-part discrete sequence data, the imaginary-part discrete sequence data, the spectrum amplitude sequence data, and the time-frequency amplitude image data into a trained convolutional recurrent joint network for signal identification to obtain an interference signal identification result. The present disclosure not only gives full play to advantages of a single network in processing corresponding data, but also fully utilizes multi-dimensional information of a

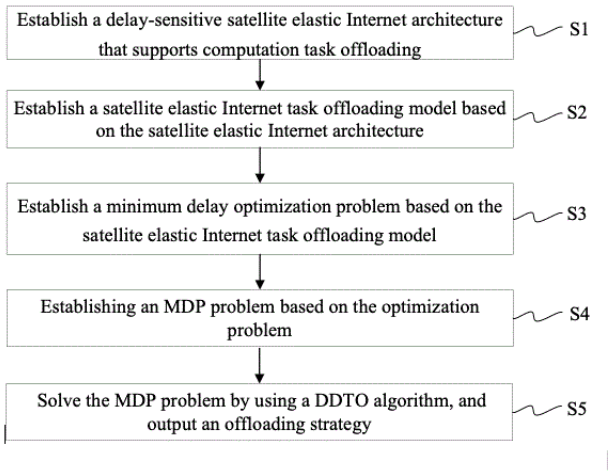
signal, which can improve an accuracy rate of interference signal identification.



21: 2023/05875. 22: 2023/06/01. 43: 2023/12/05
51: A61K
71: THE 1ST AFFILIATED HOSPITAL OF WENZHOU MEDICAL UNIVERSITY
72: PAN, Tongtong, CHEN, Yongping, SU, Lihuang
33: CN 31: 2023101900139 32: 2023-02-24
54: NON-MITOGENIC FGF4 VARIANT, METHOD FOR PREPARING VARIANT PROTEIN AND USE THEREOF IN THE PREPARATION OF DRUGS FOR IMMUNE-MEDIATED LIVER INJURY
00: -
The present invention pertains to a non-mitogenic FGF4 variant obtained by truncating N-terminal amino acid residues Ala67-Ala31 in mature human FGF4 (mFGF4), a method for preparing a non-mitogenic FGF4 variant (N-terminal Truncated FGF4, FGF4ΔNT) protein having an amino acid sequence of Ala67-Leu206 and use thereof in the preparation of a drug for immune-mediated liver injury. They reduce side effects of the FGF4 (promoting cell division and cell proliferation), and have activities of improving immunity, resisting inflammation and resisting apoptosis.

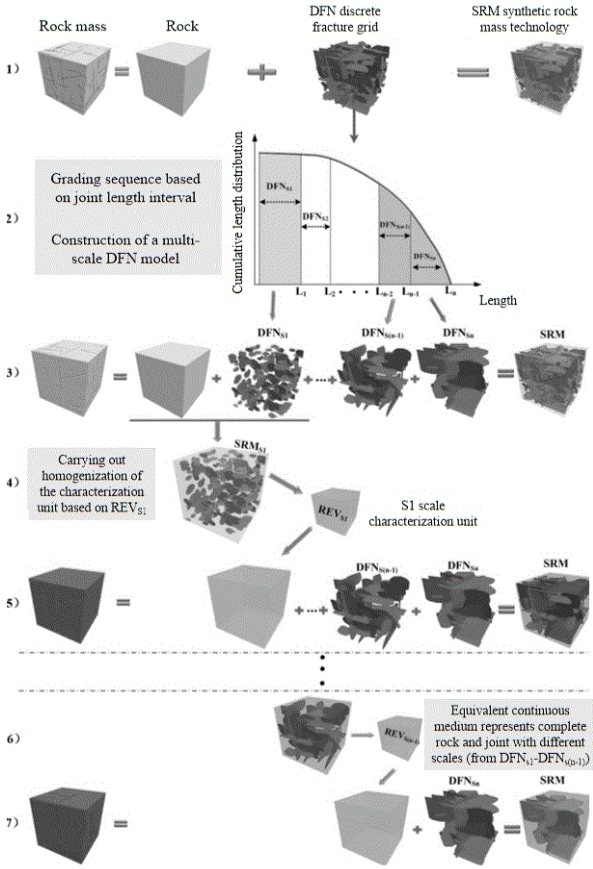


21: 2023/05876. 22: 2023/06/01. 43: 2023/12/05
51: H04W
71: SUN YAT-SEN UNIVERSITY
72: LUO, Zhiyong, LIN, Tianhao, HUANG, Ao
33: CN 31: 202211115078.9 32: 2022-09-14
54: TASK OFFLOADING METHOD AND SYSTEM FOR SATELLITE INTERNET, AND READABLE STORAGE MEDIUM
00: -
The present disclosure relates to the technical field of satellite communication, and provides a task offloading method and system for a satellite Internet, and a readable storage medium. The method includes: establishing a delay-sensitive satellite elastic Internet architecture that supports computation task offloading; establishing a satellite elastic Internet task offloading model based on the satellite elastic Internet architecture; establishing a minimum delay optimization problem based on the satellite elastic Internet task offloading model; establishing a Markov decision processes (MDP) problem based on the optimization problem; and solving the MDP problem by using a deep reinforcement learning (DRL)-based dynamic task offloading (DDTO) algorithm, and outputting an offloading strategy, where the DDTO algorithm is a DRL-based task offloading strategy selection algorithm. In this way, a satellite Internet architecture and an edge computing problem cam be organically combined to achieve reasonable allocation of satellite resources.



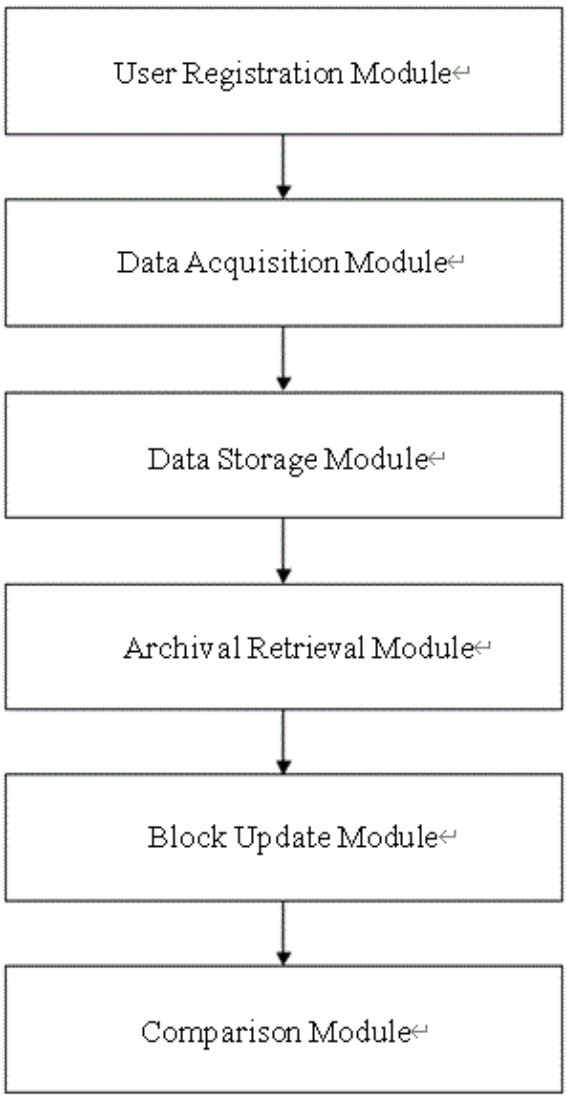
21: 2023/05888. 22: 2023/06/01. 43: 2023/12/01
51: A61K; A61P
71: BEZZARGA, Mounir
72: BEZZARGA, Mounir
33: TN 31: TN2020/0211 32: 2020-11-03
54: NOVEL THERAPEUTIC COMPOSITION BASED ON ESSENTIAL OILS AT LOW DOSES
00: -
The invention consists of the use of a composition of essential oils at low doses for the treatment of influenza, acute bronchitis, inflammation and other respiratory tract infections. This composition is a mixture containing low doses of immunity-stimulating natural substances. The immunity-stimulating activity is achieved through a synergistic effect between the essential oils at low doses used with weighting.

21: 2023/05891. 22: 2023/06/02. 43: 2023/12/01
51: G01N
71: North China Institute of Science and Technology, Anhui University of Science and Technology, Chongqing University, University of Science and Technology Beijing, Jiangsu Hengyichuang Intelligent Technology Co., LTD.
72: CHEN Liang, XU Zhenwei, CHENG Zhiheng, MA Haifeng, ZOU Quanle, LIU Peng, WANG Hongbing, ZHAO Zhechen, CHEN Haoyi, XUE Ao
33: CN 31: 202310507073.9 32: 2023-05-08
54: MULTI-SCALE SIMULATION METHOD FOR EXCAVATION STABILITY OF JOINTED ROCK MASS
00: -
The present invention discloses a multi-scale simulation method for excavation stability of a jointed rock mass, comprising: constructing a DFN model of the jointed rock mass to be tested and calibrating the DFN model; dividing the DFN model after the calibration is completed to obtain a number of DFN sub-models; obtaining the basic mechanical parameters of the jointed rock mass to be tested, and carrying out estimation of the volume of the characterization unit based on the basic mechanical parameters and several DFN sub-models to obtain several characterization unit bodies; and conducting simulation of the rock body of the nodule to be measured based on several characterization unit bodies and DFN sub-models. The method has the characteristics of simple principle, clear operation, low cost and high use effect, and provides a feasible new way for reasonably evaluating the excavation stability of jointed rock mass.



21: 2023/05892. 22: 2023/06/02. 43: 2023/12/01
51: G06F
71: TANGSHAN UNIVERSITY
72: SONG Xiaoying, LIU Liwei, WU Jingxin
54: ARCHIVES ADMINISTRATION SYSTEM FOR COLLEGES AND UNIVERSITIES BASED ON A BLOCKCHAIN
00: -

The present invention discloses an archives administration system for colleges and universities based on a blockchain, which includes a user registration module, a data acquisition module, a data storage module, an archival retrieval module, a block update module, and a comparison module; wherein the user registration module is used to obtain system user information; the data acquisition module is connected to the user registration module for inputting students archival information; the data storage module is connected to the data acquisition module to create an archives blockchain and store archival information; the archival retrieval module is connected to the data storage module for archives queries based on the archives blockchain; the block update module is connected to the blockchain processing module to update blockchain information; the comparison module is connected to the block update module for real-time consistency comparison between blockchain data and original data. The present invention fully utilizes the characteristics of blockchain technology to solve the problems of authenticity, effectiveness, and security in archives administration, thereby strengthening the credibility of colleges and universities students archives administration.



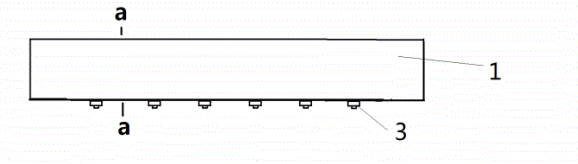
21: 2023/05893. 22: 2023/06/02. 43: 2023/12/01
51: E04B; E04C; E04G
71: FUJIAN MINNAN CONSTRUCTION ENGINEERING CO., LTD.
72: HUANG, Jielong, FU, Zhifeng

54: STONE FLOORING REINFORCEMENT STRUCTURE, REINFORCED STONE FLOORING, STONE STRUCTURAL HOUSE AND CONSTRUCTION METHOD THEREFOR

00: -

The present invention relates to the technical field of reinforcement and renovation of stone structural houses, and discloses a stone flooring reinforcement structure, reinforced stone flooring, a stone structural house and a construction method therefor, including a steel plate, an adhesive layer and a plurality of connecting pieces, where the steel plate is fixed at

the bottom of the stone flooring, the top surface of the adhesive layer is fixed on the stone flooring in a bonding mode, the bottom surface of the adhesive layer is fixed on the steel plate in a bonding mode, top ends of the connecting pieces are buried in and fixed on the stone flooring, and bottom ends thereof are fixedly connected with the steel plate, so that the deflection and the ultimate bearing capacity of the stone flooring are improved, and the structure has advantages of simple structure and convenient construction.

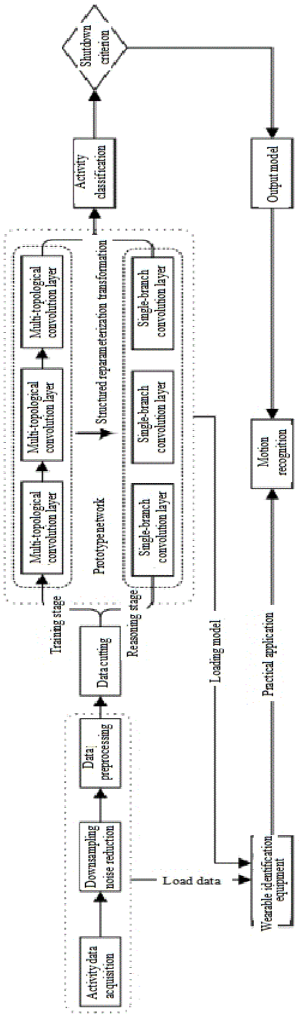


21: 2023/05894. 22: 2023/06/02. 43: 2023/12/01
51: G06K
71: NANJING UNIVERSITY
72: HU Guangwei, TENG Qi
33: CN 31: 2022107934577 32: 2022-07-07

54: CONVOLUTIONAL NEURAL NETWORK ACTIVITY RECOGNITION METHOD BASED ON DECOUPLING TRAINING

00: -

The present invention relates to a method for activity identification using a convolutional neural network based on decoupling training, comprising the following steps: collecting human activity signal data and labeling said data to obtain activity types; setting a fixed-length sliding window and overlap rate, then preprocessing the human activity signal data based on the sliding window and overlap rate to generate sample data; inputting the sample data into a RepHAR decoupling network for training, and subsequently integrating the trained RepHAR decoupling network into wearable identification devices to acquire activity identification results. This invention simultaneously offers the advantages of high precision in multi-branch networks and real-time performance in conventional networks, thus enabling the practical application of activity recognition with a balanced combination of speed and accuracy.



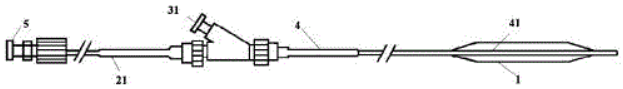
21: 2023/05895. 22: 2023/06/02. 43: 2023/12/01
51: A61L
71: The First Affiliated Hospital Of University Of South China
72: YANG Jun, CHU Chun, HU Hongmin, YANG Ting

54: BALLOON CONTAINING GEFITINIB LAYER COATING

00: -

The invention provides a balloon containing a gefitinib layer coating, which comprises a balloon body and a coating, wherein the coating is coated on the surface of the balloon body, and the coating comprises at least one gefitinib layer coated on the balloon body and a polymer layer coated on the outermost layer of the coating. The coating of the balloon containing the gefitinib layer coating provided by the invention is provided with at least one gefitinib layer, so that the balloon can selectively inhibit the proliferation of vascular smooth muscle

cells and promote the epithelization of damaged vascular endothelial cells.

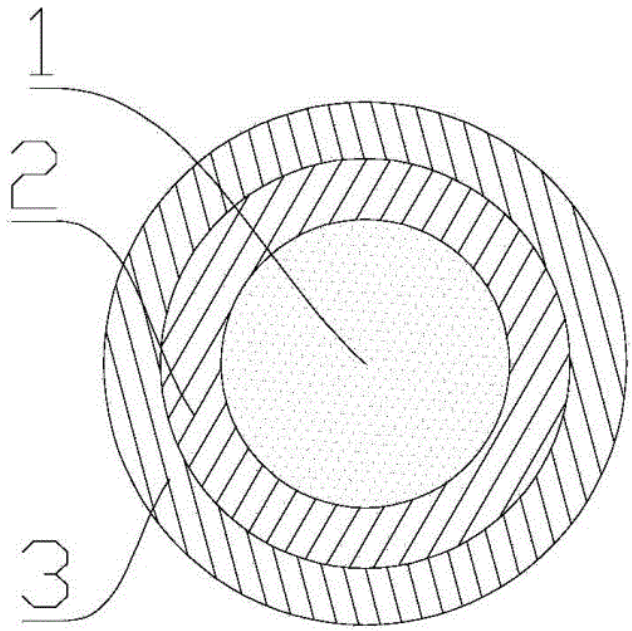


21: 2023/05896. 22: 2023/06/02. 43: 2023/12/01
51: A61L
71: The First Affiliated Hospital Of University Of South China
72: YANG Jun, CHU Chun, HU Hongmin, YANG Ting

54: INTRAVASCULAR COATED STENT FOR PROMOTING BLOOD VESSEL WALL HEALING

00: -

The invention relates to the technical field of cardiovascular medical treatment, in particular to an intravascular coated stent for promoting blood vessel wall healing, which comprises a stent body and a coating, wherein the coating is coated on the surface of the stent body, and is characterized in that the coating comprises at least one gefitinib layer coated on the stent body, and a polymer layer coated on the outermost side of the coating; several silk fibroin peptide layers and chitosan layers are sequentially coated on the innermost side of the coating from outside to inside. At least one gefitinib layer is inserted into the coating of the intravascular coated stent provided by the invention, so that the stent can selectively inhibit the proliferation of vascular smooth muscle cells and promote the epithelization of damaged vascular endothelial cells, and the chitosan can promote the physiological repair of tissues, reduce the adhesion of tissues, and have a good recovery effect on the scratches on the inner wall of blood vessels caused by the placement of the vascular stent, thereby improving the recovery effect of patients.

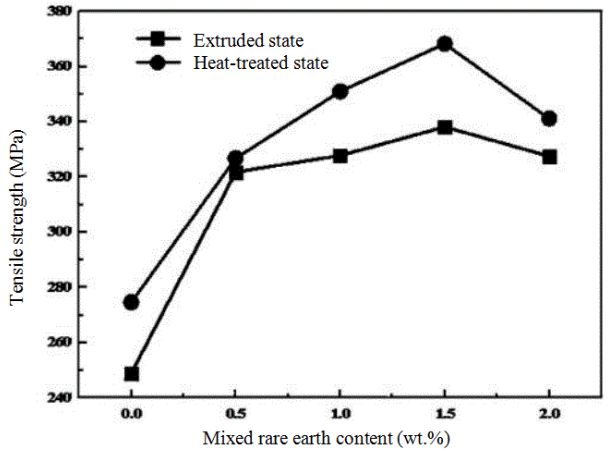


21: 2023/05898. 22: 2023/06/02. 43: 2023/12/01
51: C03C; C22F
71: Shanghai Second Polytechnic University
72: ZHU Xiangrong, LI Hechao, WANG Jinmin, ZHU Luping

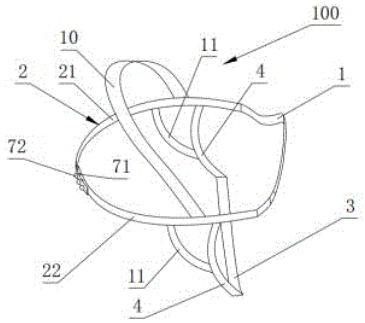
54: HIGH TENSILE STRENGTH AZ81 MAGNESIUM ALLOY MATERIAL CONTAINING MIXED RARE EARTH AND PREPARATION PROCESS THEREOF

00: -

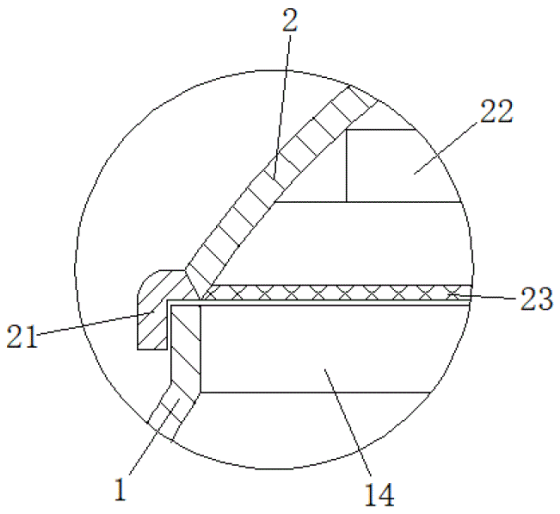
The invention discloses a high tensile strength AZ81 magnesium alloy material containing mixed rare earth and a preparation process thereof. The high tensile strength AZ81 magnesium alloy material consists of Al 7.5-8.0 wt%, Zn 0.5-0.7 wt%, Mn 0.1-0.5wt%, mixed rare earth 0.01-2.1 wt%, impurity element < 0.2wt% and the balance of Mg. The preparation of magnesium alloy involves melting, hot extrusion and T6 heat treatment. The addition of mixed rare earth elements not only enhances the solid solution strengthening effect of the alloy, but also refines the grains of the alloy, thus forming a fine grain strengthening effect; By hot extrusion and T6 heat treatment, the second phase containing rare earth elements is precipitated in the alloy, forming the second phase strengthening effect. To sum up, the tensile strength of the alloy is much higher than that of AZ81 magnesium alloy without rare earth elements, and the maximum is 368 MPa, which meets the application requirements of the alloy in aerospace field.



21: 2023/05923. 22: 2023/06/05. 43: 2023/12/01
51: A41D
71: The Fifth Medical Center of PLA General Hospital
72: Zhifang BAI, Dawei ZHANG, Fen SUN, Yanli LEI
54: LONG-TERM ANTI-INDENTATION MASK BRACE FOR EMERGING INFECTIOUS DISEASES AND MASK USING THE SAME
00: -
Disclosed a long-term anti-indentation mask brace for emerging infectious diseases and a mask using the same, including a nose brace, a head holder, a lower jaw brace, two post-ear connecting pieces and a top brace, both ends of the nose brace are detachably connected to the head holder, each post-ear connecting piece is arranged behind a human ear, one end of each post-ear connecting piece is detachably connected to the lower jaw brace, the other end of the post-ear connecting piece is detachably connected to the head holder, the nose brace is in sealing connection with the upper end of a mask, the lower jaw brace is in sealing connection with the lower end of the mask, an anti-compression-injury layer is fixedly arranged on one sides of the nose brace, the head holder, the lower jaw brace and each post-ear connecting piece in contact with a human body.



21: 2023/05924. 22: 2023/06/05. 43: 2023/12/01
51: A61K
71: Quzhou Ruicaotang Rue Science and Technology Co., LTD., Quzhou Vocational and Technical College
72: Ziyue WANG, Chunchun GAN, Hong LIU, Jiangang WANG, Zhan JIN
54: EXTRACTING DEVICE AND METHOD FOR HESPERIDIN INGREDIENT IN QUZHOU FRUCTUS AURANTII
00: -
The present invention provides an extracting device for a hesperidin ingredient in Quzhou fructus aurantii, including an extraction still, wherein a top cap is threaded-connected to the top end of the extraction still, and a microwave generator is arranged in the top cap; the extraction still is specifically a semi-closed cylindrical structure with two elliptical ends and a straight middle, wherein a pressurization communicating port, a depressurization communicating port and a liquid spray hole are formed in the middle straight section of the extraction still, a charging port is formed in the top end of the extraction still, a horizontal reinforcing plate is fixed at the bottom end of the extraction still, and a discharging port is formed in one side of the bottom end of the extraction still; an auxiliary extraction mechanism is arranged on the reinforcing plate, a bracket is fixed at the bottom end of the extraction still, a reinforcing support is fixed in the middle of the bracket, a hydraulic cylinder corresponding to the center of the reinforcing plate is fixed on the reinforcing support, a sleeve is fixed at the top end of a telescopic shaft of the hydraulic cylinder, and the bottom end of a gear shaft is rotationally connected in the sleeve. The extracting device can efficiently complete extraction of the hesperidin ingredient from Quzhou fructus aurantii.

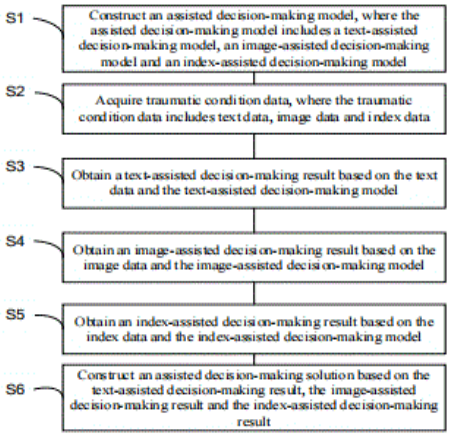


21: 2023/05925. 22: 2023/06/05. 43: 2023/12/01
51: A61M
71: ARMY MEDICAL UNIVERSITY, PEOPLE'S LIBERATION ARMY, PRC, CHONGQING UNIVERSITY OF TECHNOLOGY
72: ZONG, Zhaowen, YANG, Haoyang, NAN, Hai, CHEN, Lin, MA, Yunfei, ZHONG, Xin, JIA, Yijun, DU, Wenqiong, JIANG, Renqing, CHEN, Can, KANG, Na, XUE, Zhijian
33: CN 31: 2023104545139 32: 2023-04-25

54: ASSISTED DECISION-MAKING METHOD AND SYSTEM FOR DAMAGE CONTROL RESUSCITATION

00: -

The present invention discloses an assisted decision-making method and system for damage control resuscitation and relates to the technical field of decision making. The method includes: constructing an assisted decision making model, wherein the assisted decision-making model includes a text-assisted decision-making model, an image-assisted decision-making model and an index-assisted decision-making model; acquiring traumatic condition data, wherein the traumatic condition data includes text data, image data and index data; obtaining a text assisted decision-making result based on the text data and the text-assisted decision-making model; obtaining an image-assisted decision-making result based on the image data and the image-assisted decision-making model; obtaining an index-assisted decision-making result based on the index data and the index-assisted decision making model; and constructing an assisted decision-making solution based on the text-assisted decision-making result, the image-assisted decision-making result and the index-assisted decision-making result.



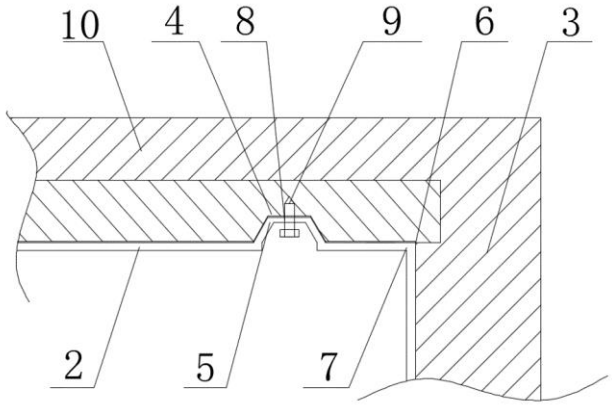
21: 2023/05930. 22: 2023/06/05. 43: 2023/12/06
51: E04G
71: CHINA CONSTRUCTION FIFTH ENGINEERING BUREAU CO., LTD.
72: QIAN, Yong, HAN, Yaxin, ZHANG, Bin, MENG, Linghao, HENG, Yajun

54: A SLURRY LEAKAGE PREVENTION STRUCTURE FOR SUPERIMPOSED FLOOR SLABS AND CONSTRUCTION METHOD THEREOF

00: -

The present invention discloses a slurry leakage prevention structure for superimposed floor slab and a construction method thereof, and relates to the technical field of building construction. The structure comprises a prefabricated slab and an alumina template; wherein the bottom end of the prefabricated slab is provided with a ridge groove, and a convex ridge matching with the ridge groove is provided on the alumina template, and the alumina template is connected to the ridge groove through the convex ridge; one end of the prefabricated slab adjacent to a structural beam is crimped on the structural beam; the structural beam and the prefabricated slab form an inner folding part, and one end of the alumina template is provided with a bending part, abutting against the inner folding part. According to the present invention, the prefabricated slab is limited by arranging a convex ridge on the alumina template and connecting the convex ridge with a ridge groove on the prefabricated slab, so that

prefabricated slab deviation can be avoided during pouring; The convex ridge can block the slurry leakage, and the ridge groove is fixedly connected with the convex ridge through screws, so that the prefabricated slab is in a better match with the alumina template, improving the slurry leakage prevention performance of the concrete during pouring.

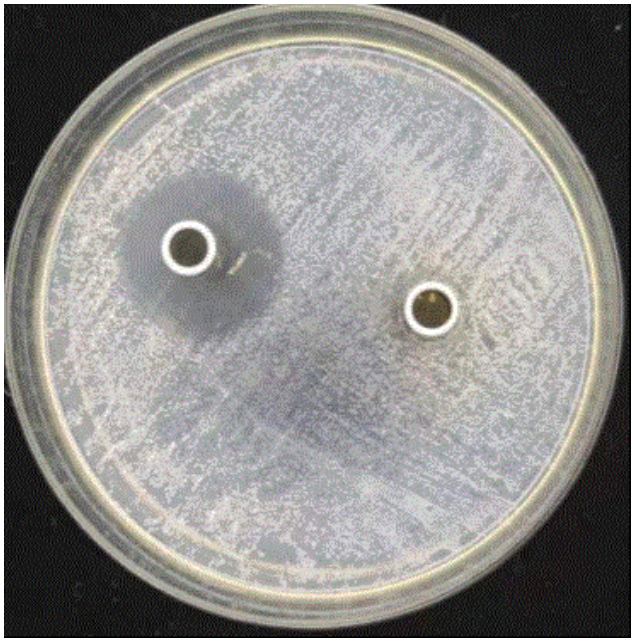


21: 2023/05931. 22: 2023/06/05. 43: 2023/12/06
51: C12N
71: HUAINAN NORMAL UNIVERSITY
72: WANG, Xiaoyu, CHEN, Zhina, HE, Jingtang
33: CN 31: 2023102770912 32: 2023-03-17

54: WEISSELLA PARAMESENTEROIDES M1 AND USE THEREOF

00: -

The present invention relates to the technical field of microorganisms, and in particular to Weissella paramesenteroides M1 and use thereof. The Weissella paramesenteroides of the present invention has an accession number of CGMCC NO. 26182. The Weissella paramesenteroides is negative in amino acid decarboxylase and negative in nitrate reductase, is sensitive to chloramphenicol, has moderate resistance to penicillin-streptomycin, has resistance to 2 antibiotics of tetracycline and cefoxitin, and has no risk of drug resistance transfer. In addition, it has an excellent antibacterial activity, can be used as a preservative, and has a significantly better use effect than a conventional preservative.

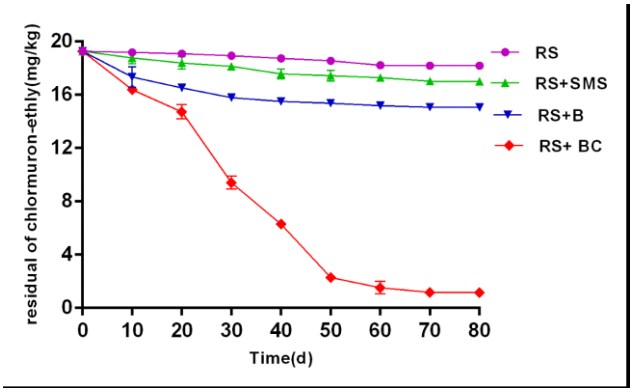


21: 2023/05932. 22: 2023/06/05. 43: 2023/12/06
51: C12N
71: NORTHEAST AGRICULTURAL UNIVERSITY
72: Chunyan LI, Genji YANG, Yi CHENG, Hailian ZANG, Xinyue ZHAO, Xinning HUANG, Lei MIAO, Yaozu MI, Haohao YAN, Hua YANG, Yang ZHOU, Tian MA

54: A TYPE OF COMPOUND MICROORGANISM BACTERIA AGENT USED FOR DEGRADING CHLORIMURON-ETHYL AND ITS APPLICATION

00: -

A type of compound microorganism bacteria agent used for degrading chlorimuron-ethyl and its application belong to the bacteria agent and application technical field; The said compound microorganism bacteria agent is composed of the rhodococcus erythropolis and stenotrophomonas maltophilia in a volume ratio of 1:1 under the same bacterial solution concentration. It is used for the bioremediation of soil and reduction and elimination of the residual chlorimuron-ethyl in the soil; The bacteria agent has a favorable compatibility, low costs, good degrading effect, excellent soil remediation performance. Besides, it is convenient to use and conductive to the protection of ecological environment and production of green agricultural products.

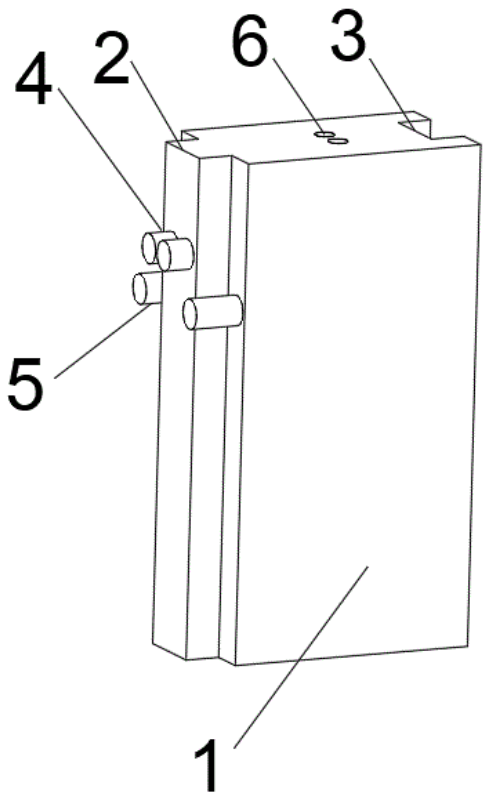


21: 2023/05933. 22: 2023/06/05. 43: 2023/12/06
51: E04B
71: CHINA CONSTRUCTION FIFTH BUREAU
SOUTH CHINA CONSTRUCTION CO., LTD
72: CHEN, Chengbo, FAN, Lixiong, WEI, Wenzhou, WU, Weizhi, CHEN, Long, ZHANG, Wenyang, WANG, Qianhong, YANG, Bowen, BAI, Pengfei, WANG, Jin, LIU, Minjie, XU, Bing, XIE, Anding, ZHANG, Juanmei, YUAN, Jiakang, ZHAN, Du, FU, Yangbin

54: A TYPE OF PREFABRICATED WALL PANEL FOR CONVENIENT CONSTRUCTION

00: -

The present invention embodies a type of prefabricated wall panel for convenient construction. It relates to the technical field of building construction and comprises the wall panel body, positioning device and connecting device. The wall panel body has the first bulge on one side and the first groove on the other side. The wall panel body has the second groove on top and the positioning device is in sliding connection with the second groove. The connecting device is placed in the top cavity of the positioning device and made slidable. The third bulges are arranged on the side of the wall panel body where the first bulge is located and on both sides of the first bulge. The third groove is arranged on the side of the wall panel body where the first groove is located. The limiting device is in sliding connection to the inside of the third groove. The second bulge is arranged on the first bulge, the fourth groove is arranged in the first groove and the fourth groove has the drive device inside. The present invention drives the positioning device and connecting device to complete the positioning and preliminary connection of the vertical assembly of the wall panel body during its horizontal assembly, greatly improving the construction efficiency.



21: 2023/05970. 22: 2023/06/06. 43: 2023/12/01
51: A01G
71: Gansu Province Academy of Qilian Water Resource Conservation Forests Research Institute
72: Jianhai LIU, Xiaoyan LI, Guosheng ZHAO, Dong LYU, Ming ZHAO, Yilin WANG, Juping FAN, Caixia GUO, Juan ZHANG, Yuhong ZHAO

54: A GRAFTING METHOD OF XANTHOCERAS SORBIFOLIA

00: -

The present invention discloses a grafting method of Xanthoceras sorbifolia, relates to the technical field of Xanthoceras sorbifolia reproduction, and comprises the following steps: S1. cutting the spikes from the the mother tree of Xanthoceras sorbifolia and processing: cutting the spikes with a bud grafting knife at 2-3cm transversely below the full-grown buds, and sharpening the lower end of the spike; S2. grafting : selecting the flat side of the rootstock, cuting vertically from the cross section, and then inserting the sharpened spikes into the rootstock incision, closing to the xylem of the rootstock, and aiming at the cambium, so that the rootstock cambium and the scions cambium are flat; S3. punching holes in the lower side of the rootstock

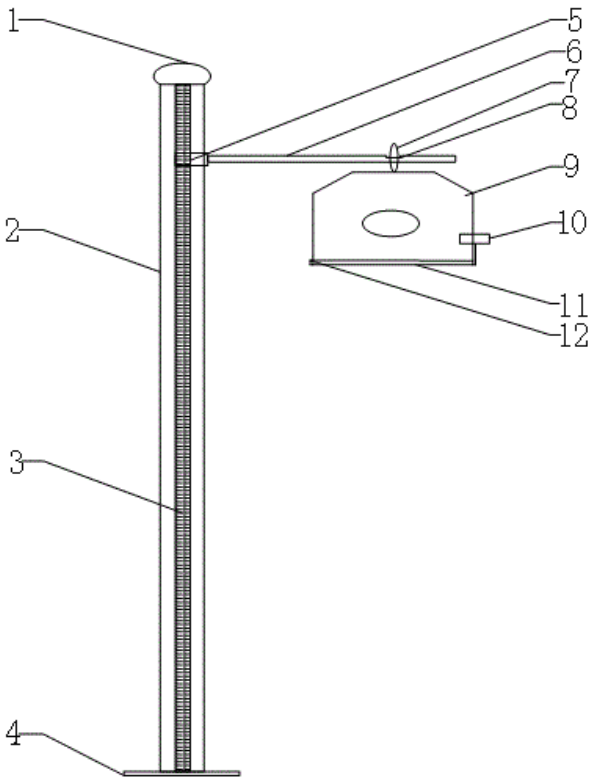
and inserting the treated spikes into the holes; S4. binding: wrapping tightly on the grafting site; S5. wound treatment: spraying chlorothalonil and growth promoters on the grafting site. The invention adopts the above-mentioned grafting method of Xanthoceras sorbifolia, which reduces the probability of scion splitting death caused by strong wind, improves the grafting survival rate of Xanthoceras sorbifolia, and obtains Xanthoceras sorbifolia with high yield, stable yield, high yield and strong stress resistance.

21: 2023/05971. 22: 2023/06/06. 43: 2023/11/30
51: A01M
71: Gansu Province Academy of Qilian Water Resource Conservation Forests Research Institute
72: Erwen XU, Yanxia WANG, Yuxin MIAO, Dong LYU, Hu ZHAO, Guosheng ZHAO, Xiaobing XIE, Xingpeng ZHAO, Jianhai LIU

54: DEVICE FOR COLLECTING ADULT WASPS OF THE MEGASTIGMUS SABINAE

00: -

The invention discloses a device for collecting adult wasps of the Megastigmus sabinae, which belongs to the field of pest collection technology, including a mounting column, a screw rod, a slider, a hanging column, a hanging ring, and a collecting box; the inner side of the mounting column is rotationally connected with the screw rod, the screw rod is movably connected with the slider, the slider is fixedly connected with the hanging column away from one end of the screw rod, the hanging column is sleeved and installed with the hanging ring, the bottom of the hanging ring is fixedly connected with the upper surface of the collecting box, the side of the collecting box is provided with a locking device, and the inner side of the mounting column is provided with a driving motor, the driving motor is electrically connected with the screw rod. The invention provides a device for collecting adult wasps of the Megastigmus sabinae, which has a reasonable design structure, the collection device automatically attracts the adult wasps of the Megastigmus sabinae into the inner cavity of the collecting box, so as to achieve the purpose of collection, ensure the safety of the staff, and reduce the work intensity.

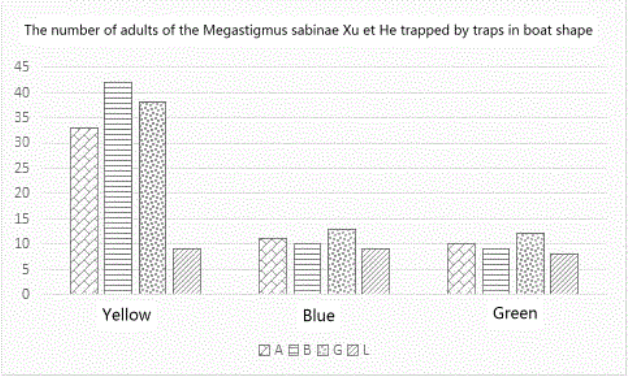


21: 2023/05972. 22: 2023/06/06. 43: 2023/11/30
51: G05B
71: Gansu Province Academy of Qilian Water Resource Conservation Forests Research Institute
72: Dong LYU, Hu ZHAO, Xiaohu YANG, Jianhai LIU, Guosheng ZHAO, Xiaobing XIE, Xingpeng ZHAO

54: FOREST MONITORING METHOD FOR THE MEGASTIGMUS SABINAE

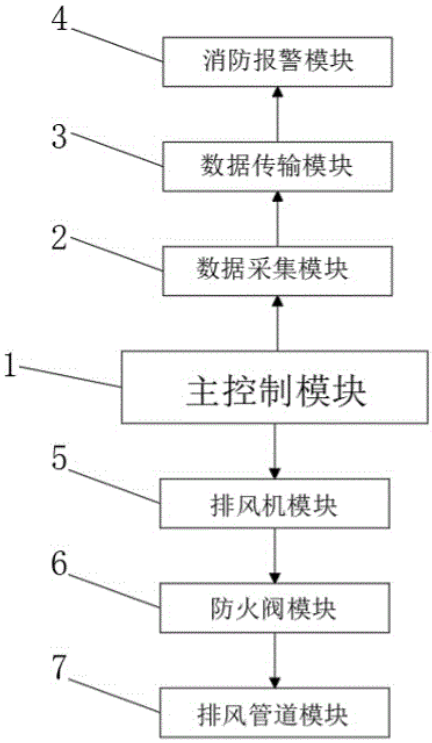
00: -

The invention discloses a forest monitoring method for the Megastigmus sabinae, which belongs to the field of pest monitoring technology, including the following steps: first, selecting traps and hanging in branch heads; secondly, adding different attractants to the traps; removing the traps hanging on the branches after five days and viewing the results. For the accuracy of the experiment, the above process was repeated three times. The invention provides a forest monitoring method for the Megastigmus sabinae, and the design method is reasonable, by hanging a trap with attractant at the branch head of the tree, the harm of Sabina przewalskii to the fruit of Sabina przewalskii is reduced in the maximum scale.



21: 2023/05973. 22: 2023/06/06. 43: 2023/11/30
51: A01N
71: Gansu Province Academy of Qilian Water Resource Conservation Forests Research Institute
72: Dong LYU, Erwen XU, Guosheng ZHAO, Hu ZHAO, Jianhai LIU, Xingpeng ZHAO, Xiaobing XIE
54: A FORMULA OF ATTRACTANT FOR MEGASTIGMUS SABINAE AND ITS PREPARATION METHOD AND APPLICATION
00: -
The present invention discloses a formula of attractant for Megastigmus sabinae and its preparation method and application, and relates to the field of biological control technology. The attractant formula components include 3-carene, myrcene and alpha-epoxypinane. The concentration ratio between the three components is 1 : 10 : 10. Based on this concentration ratio, each component is dissolved in a liquid paraffin oil solvent to obtain an attractant. By using several chemical active substances with attractive effect in the invention, the plant-derived attractant can monitor the Megastigmus sabinae for a long time, so as to detect the change of the relative abundance of the Megastigmus sabinae, and then determine the behavior and population change of the Megastigmus sabinae in a long time, and determine the driving factors that may change, so as to control the Megastigmus sabinae more scientifically and effectively, and improve the control effect of the Megastigmus sabinae.

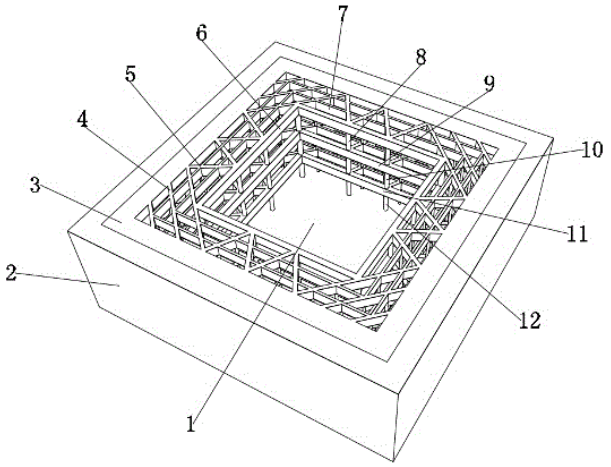
21: 2023/05974. 22: 2023/06/06. 43: 2023/11/30
51: F23J
71: THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU
72: LI, Peng, HAN, Xuling, ZONG, Luchao, GONG, Xiugang, CHANG, Yuehui, YANG, Kun, LI, Sai, KONG, Mingliang
54: SMOKE EXHAUST SYSTEM FOR GAS BOILER IN PLANT ROOM
00: -
The present invention discloses a mechanical smoke exhaust system for a gas boiler in an underground plant room. In the present invention, by providing a fire alarm module inside the smoke exhaust system, when the smoke exhaust system monitors that a safety accident occurs at the gas boiler in the underground plant room, an alarm can be given based on parameters of the dangerous situation, fire protection information of all gas boilers in the underground plant room is monitored, fire information can be received, and fire extinguishing instructions can be sent manually to control operation of a fire fighting water supply source, a fan, an air conditioner, a fire damper, a smoke exhaust valve, an automatic fire resistance rolling shutter door, a gas fire extinguishing device and other fire extinguishing equipment for the gas boiler in the underground plant room, such that the safety of the gas boiler in the underground plant room is ensured, a safety guarantee is provided for people during use, and the timeliness of giving an alarm when a dangerous situation occurs is improved, thereby further improving the safety of the whole system.



21: 2023/05975. 22: 2023/06/06. 43: 2023/11/30
51: E02D
71: THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU
72: LIU, Zisong, DI, Xingtao, LI, Hongpo, MENG, Lijuan, LIU, An, BAO, Yibo, LI, Yawei, ZHOU, Zhicheng, HAO, Jianwei

54: POST-DISMANTLEMENT SUPPORTING STRUCTURE FOR DEEP FOUNDATION PIT PROJECT AREA, AND CONSTRUCTION METHOD

00: -
The present invention relates to the technical field of deep foundation pit construction, and discloses a post-dismantlement supporting structure for a main building area of a deep foundation pit project, and a construction method. According to the present invention, the method includes the following steps: step 1: closing an interior of a foundation pit to elevate all surrounding soil; step 2: connecting pipe reinforcing structures to supporting beam plates and beam layer supporting columns below a beam layer needing to be dismantled in a lapping manner for reinforcement; step 3: dismantling a part of the supporting structure firstly, observing changes of the surrounding soil, and then proceeding to the next step of construction, the supporting structure for the foundation pit being divided into a plurality of sections for dismantlement, operations being repeatedly performed until all supports are dismantled; step 4: dismantling, upon dismantlement of all the supporting beams and the supporting columns, row piles and row pile supporting beam plates in sequence based on the above steps; and step 5: upon completion of dismantlement, cleaning and restoring a site, including cleaning up residues and properly disposing waste construction materials, etc. The working efficiency is improved, the risk of dismantlement is reduced, and the safety of construction personnel and the deep foundation pit is effectively guaranteed.

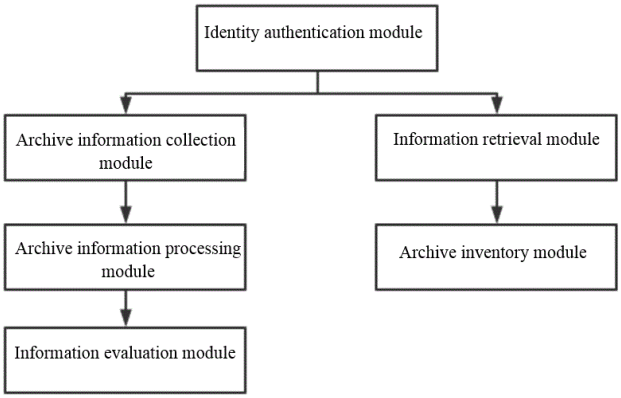


21: 2023/05976. 22: 2023/06/06. 43: 2023/11/30
51: G06F
71: TANGSHAN UNIVERSITY
72: SONG Xiaoying, LIU Liwei, WU Jingxin

54: ARCHIVE MANAGEMENT SYSTEM BASED ON ARTIFICIAL INTELLIGENCE

00: -
The invention discloses an archive management system based on artificial intelligence, which comprises: an archive information collection module for acquiring archive information and performing basic verification on the archive information; an archive information processing module for data integration and compliance verification of the archive information; an information evaluation module for regularly evaluating the value of the archival information in a preset time period and classifying the confidentiality and value of the archival information; an identity authentication module for

role classification and authority management; an information retrieval module for archive retrieval according to keywords and role permissions; an archive inventory module for recording access information, inquiring information and storing statistics; The invention broadens the information input mode and reduces the occupied storage space through file compilation; quantifies the value of the file information through evaluation grading and user grading, and ensures data security; and records access information and query information, and judges system security and user needs.

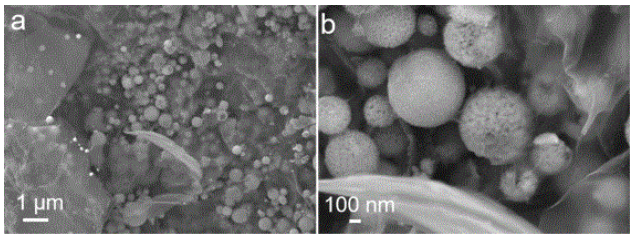


21: 2023/05977. 22: 2023/06/06. 43: 2023/11/30
51: B22F
71: Taiyuan University of Technology
72: Huijun LI, Xiaomin WANG, Zhenxin ZHAO, Yongzhen WANG
33: CN 31: 2022112292838 32: 2022-10-09

54: A SELF-SUPPORTING HIGH-ENTROPY OXIDE/GRAPHENE COMPOSITE MATERIAL AND ITS PREPARATION METHOD AND APPLICATION

00: -

A self-supporting high-entropy oxide/graphene composite material, the high-entropy oxide is uniformly distributed between the graphene sheets, and the high-entropy oxide is a spinel structure. The preparation method is as follows: preparing equal molar quantities of iron nitrate, nickel nitrate, manganese nitrate, chromium nitrate and copper nitrate to form a mixed salt solution, then subjecting the mixed salt solution to spray pyrolysis to obtain high entropy oxides; ultrasonic dispersion treatment of graphite oxide paste in water, then adding the high-entropy oxide, ultrasonic dispersion is uniform, freeze-drying of the resulting mixed solution to obtain a self-supporting high-entropy oxide/graphene precursor; sintering the self-supporting high-entropy oxide/graphene precursor in an inert atmosphere to obtain a self-supporting high-entropy oxide/graphene composite. The high-entropy oxide/ graphene composite material can be used as an anode material for preparing sodium-ion batteries with high discharge specific capacity, excellent rate performance and stable cycle performance.

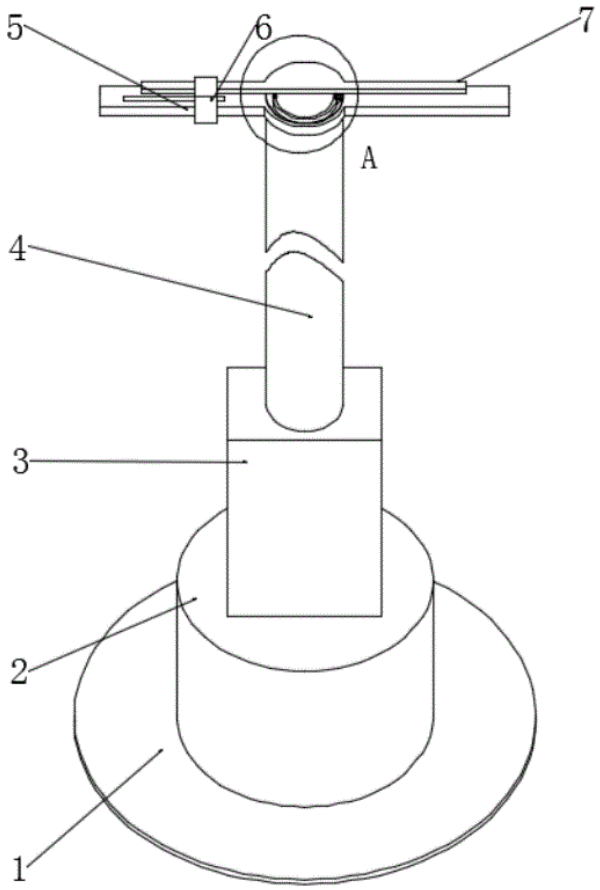


21: 2023/05978. 22: 2023/06/06. 43: 2023/11/30
51: G01N
71: Gansu Agricultural University
72: Jun WU

54: A SOIL SAMPLE COLLECTION DEVICE USED FOR SOIL FERTILITY DETECTION

00: -

The present invention relates to the technical field of soil detection, In particular, a soil sample collection equipment used for soil fertility detection, Including the external collection tube, The outer wall sleeve of the outer collecting tube is provided with a sleeve, The outer acquisition tube is plugged with an inner acquisition tube, And the inner collection tube includes a long semicircular tube and several short semicircular tubes, This device can not only pull out the inner acquisition tube through the exit or not the ground, Complete the removal of the soil column, Put the short semicircular tube up into the inner collecting tube and flip the short semicircular tube to remove the soil column, Easy to keep the soil column intact and the segmented collection, observation and detection of the soil column, To test the fertility of the soil layers at different depths, And through the twisted dragon leaf spinning into the ground to drive the outer collection tube inserted into the ground to collect the soil, Reverse the rise when pulling out the outer collection tube, More effort-saving.

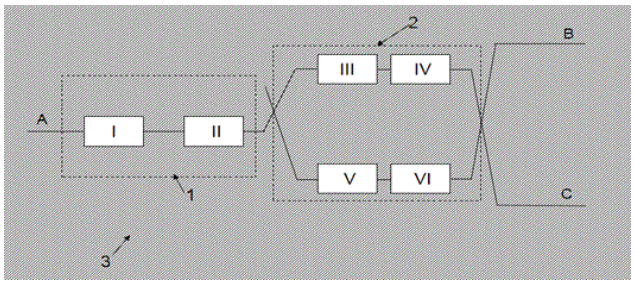


21: 2023/05979. 22: 2023/06/06. 43: 2023/11/30
51: H04L
71: Institute of Semiconductors, Chinese Academy of Sciences, ANQING NORMAL UNIVERSITY
72: YOU Jin, PAN Pan

54: CODING CHIP FOR DEVICE-INDEPENDENT QUANTUM KEY DISTRIBUTION

00: -

The invention provides a coding chip for device-independent quantum key distribution, which comprises an optical phase modulator for realizing phase modulation requirements; the tunable optical splitter for generating a decoy state. The invention can meet the requirements of quantum key distribution coding independent of measuring equipment, and has the advantages of compact structure, high integration, fast coding rate and good stability, and is beneficial to low-cost popularization and application.

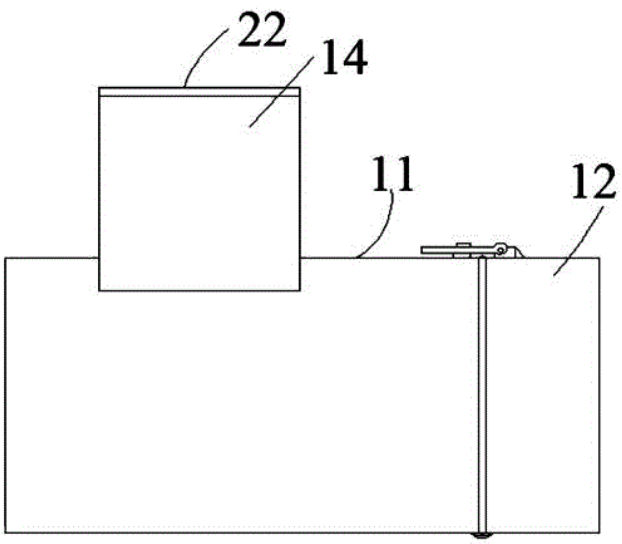


21: 2023/05980. 22: 2023/06/06. 43: 2023/11/30
51: C02F
71: Gansu Province Academy of Qilian Water Resource Conservation Forests Research Institute
72: Shunli WANG, Erwen XU, Haojun MENG, Xiaoping SHI, Bin WANG, Weijun ZHAO, Xiurong WU, Hao YUAN, Xue'e MA

54: AN ECOLOGICAL RESTORATION DEVICE FOR IMPROVING WATER QUALITY

00: -

The present invention discloses an ecological restoration device for improving water quality, including a pipe body, a filter ring is arranged at one end of the pipe body, a filter net is arranged on the inner side of the filter ring, the bottom of the filter ring is hinged with the pipe body, the top of the filter ring is clamped with the pipe body, the side of the pipe body is provided with a box body, the side of the pipe body is provided with a connecting hole connecting the box body, the box body is provided with drip irrigation, the bottom of the drip irrigation is connected with the connecting hole, the bottom of the drip irrigation is an open structure and is provided with a filter plug. The present invention adopts the above-mentioned ecological restoration device for improving water quality, which can effectively filter the water body flowing in the pipe, and can add appropriate repair agent to repair the water body in real time to effectively improve the water environment.

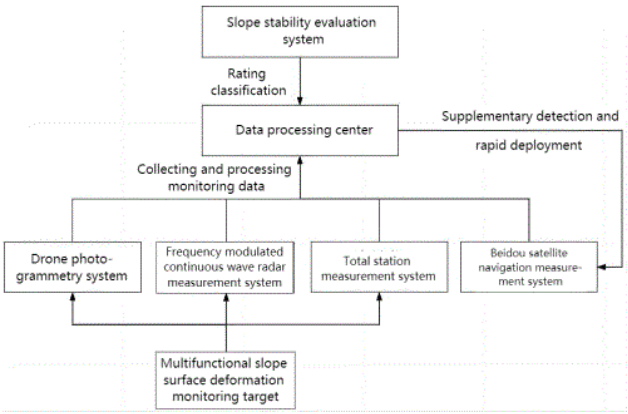


21: 2023/05981. 22: 2023/06/06. 43: 2023/12/01
51: G01B
71: Anhui Transportation Holding Group Co., Ltd., Changsha University of Science & Technology
72: Lin TANG, Xudong ZHA, Shengdi LU, Yimin XIAO, Haojun LIU, Liang XIONG, Yu ZHAO, Xiaosong YANG, Jie XU, Yuanfeng MIN, Hengwu HU, Runzhou LUO, Qiuming XIAO, Xiangjun CHENG, Junfeng LIAN, Ruidong LYU, Wenhui XU, Zifan SUI

54: MONITORING SYSTEM AND METHOD FOR SLOPE SURFACE DEFORMATION

00: -

The invention discloses a monitoring system and method for slope surface deformation, which is used for the deformation monitoring of various artificial or natural slopes. It is mainly composed of multi-functional slope surface deformation monitoring targets arranged on the slope and its deformation monitoring system and data processing center. The deformation monitoring system uses the drone photogrammetry system for daily monitoring, the frequency modulation continuous wave radar measurement system for real-time monitoring, the Beidou satellite navigation measurement system for supplementary monitoring, and the total station measurement system for correction monitoring. The data processing center receives and processes the deformation monitoring data fed back by each measurement system in real-time, so as to predict the risk of slope instability. Therefore, the invention adopts the monitoring system and method for slope surface deformation of the above structure to ensure the reliability of the monitoring data, and the monitoring system is flexible in the selection, which effectively improves the utilization rate of the equipment, and has the advantages of convenient installation, simple operation, low technical cost, high degree of automation and small damage to the slope.

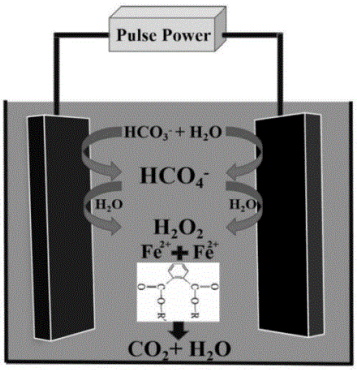


21: 2023/05990. 22: 2023/06/06. 43: 2023/11/30
51: B09C
71: Chongqing Research Academy of Eco-environmental Sciences, Chongqing University of Science and Technology
72: LIU, Kun, HE, Huichao, YANG, Shan, KE, Gaili, YU, Hai, CHENG, Min, LI, Yutong

54: METHOD FOR REMEDIATING PHTHALATE-CONTAMINATED SOIL BY GENERATING HYDROGEN PEROXIDE THROUGH PULSE ELECTROCHEMISTRY

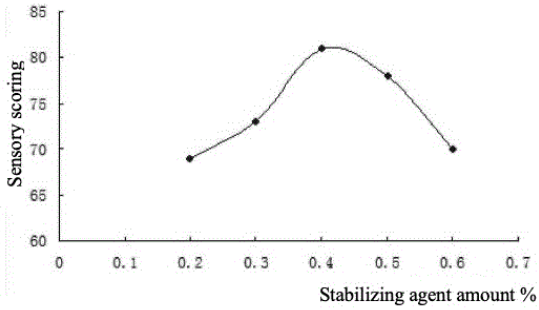
00: -

The present invention relates to a method for remediating phthalate-contaminated soil by generating hydrogen peroxide through pulse electrochemistry, and belongs to the technical field of soil remediation. The method specifically includes: crushing the phthalate-contaminated soil and then adding the soil into an aqueous solution containing bicarbonate radicals, inserting two carbon electrodes after mixing, and then applying square-wave pulse voltage to the two carbon electrodes for electrochemical remediation. In the method, it is unnecessary to introduce air into the soil or change a reaction electrode regularly, and dissolved bicarbonate radicals in the soil are mainly activated through electrochemistry, so as to mediate to oxidize water into the hydrogen peroxide, such that the phthalate-contaminated soil is continuously and efficiently remediated, which is simple, green and efficient.



21: 2023/05991. 22: 2023/06/06. 43: 2023/11/30
51: C12Q
71: Jiangsu Institute of Poultry Sciences
72: GAO Yushi, TANG Xiujun, FAN Yanfeng, JIA Xiaoxu, LIU Long, TANG Mengjun, ZHANG Xiaoyan, CHEN Dawei, ZHANG Jing, LI Jianchao
54: PCR AMPLIFICATION IDENTIFICATION METHOD AND SPECIAL PRIMER FOR GOOSE-DERIVED COMPONENTS BASED ON 16S RRNA GENE
00: -
The invention discloses a PCR amplification identification method and a special primer for goose-derived components based on a 16S rRNA gene, and belongs to that technical field of food quality and safety detection. A primer pair for PCR amplification and identification of goose-derived components is designed according to 16S rRNA gene in goose mitochondrial genome, and the upstream primer sequence of the primer pair is as follows: 5'-CGTCAAAGCTCCACCACCTA-3', 5'-TCTATGTAAGCTTGCGCCGT-3; Primer pairs perform ordinary PCR or qPCR reaction on goose-derived DNA; the results of common PCR reaction method are as follows: (1) there are 140bp electrophoresis bands in agarose gel electrophoresis map; the result of qPCR reaction method is that it has a typical amplification curve and its Ct value is less than 35. The invention also discloses two methods for PCR amplification and identification of goose-derived components. The invention solves the technical problems of slow detection speed and low accuracy in the identification method of goose-derived components in the prior art.

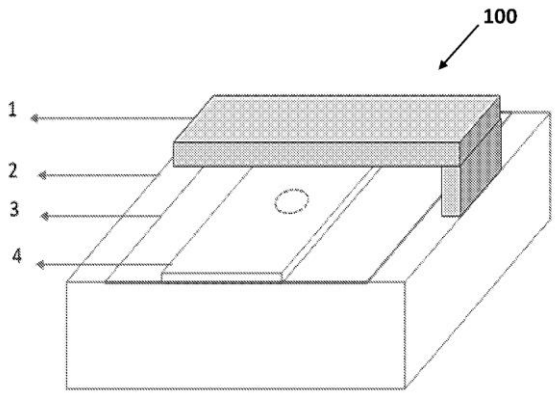
21: 2023/05993. 22: 2023/06/06. 43: 2023/12/11
51: A23L
71: XUZHOU VOCATIONAL COLLEGE OF INDUSTRIAL TECHNOLOGY
72: LIU, Chunfen, MU, Jinchao, ZHANG, Xuguang
54: A COMPOSITE VEGETABLE PROTEIN BEVERAGE AND A PREPARATION METHOD
00: -
The present invention discloses a composite vegetable protein beverage and a preparation method thereof, comprising the following raw materials in percentage by weight: Raw slurry: 25-65% of jujube juice, and 35-75% of peanut pulp; Auxiliary materials: 12-20% of dandelion tea soup, 2-6% of honey, 0.1-0.5% of a stabilizing agent and 0.1-0.5% of an emulsifying agent. And the percentage of the auxiliary materials is based on the weight of the raw slurry. The present invention belongs to the technical field of healthcare beverage processing, and particularly relates to a composite vegetable protein beverage which is low in cost, good in palatability, high in nutrient value, easy to digest and absorb and uniform and stable in system, has the effects of enhancing immunity and improving disease resistance ability, and is convenient to store, transport and eat. The invention further discloses a preparation method that is simple in production technology, low in production cost without any pollution.



21: 2023/05994. 22: 2023/06/06. 43: 2023/12/11
51: C12N
71: XUZHOU VOCATIONAL COLLEGE OF INDUSTRIAL TECHNOLOGY
72: MU, Jinchao, LIU, Chunfen, ZHANG, Xuguang
54: A PREPARATION METHOD OF BLACK FUNGUS NUTRIENT SOLUTION
00: -
The present invention provides a preparation method of a black fungus nutrient solution, and belongs to the field of edible fungi production and

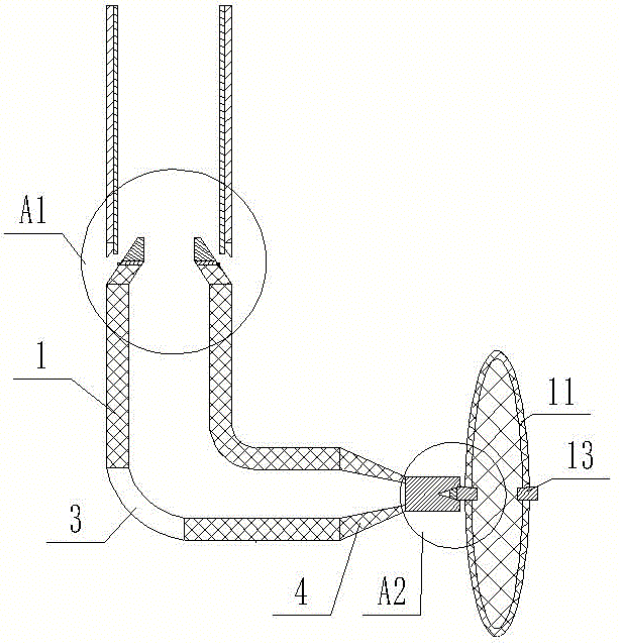
processing. The method comprises the following steps: S1, Performing slop culture of black fungus strain; S2, Obtaining liquid black fungus shake flask strain by liquid culture; S3, Obtaining fermented black fungus mycelium pellet by solid fermentation; S4, Adding purified water into the black fungus mycelium pellet, taking the supernatant, then adding in citric acid, malic acid, granulated sugar and honey to mix with the purified water, adjusting the pH to 3.8-4.5 with the citric acid, bottling, capping, sterilizing while it's hot, and obtaining the black fungus nutrient solution after qualified inspection. The present invention takes corncobs as the main fermenting raw material in black fungus fermentation. The fermenting raw material is easy to obtain and has low cost, which solves the wasting of resources of burning corncobs directly as waste. The prepared black fungus nutrient solution is rich in amino acids and polysaccharides with high nutritional value.

21: 2023/05996. 22: 2023/06/06. 43: 2023/12/01
51: G02B
71: SCOPGENX PRIVATE LIMITED
72: MEVADA, Jayeshkumar Sevantilal, PANDIT, Aniruddha Bhalchandra
33: IN 31: 202121000533 32: 2021-01-06
54: A COMPACT PORTABLE MULTIMODAL MICROSCOPY
00: -
The disclosure herein describes a compact portable multimodal microscopy apparatus (100) comprising an optical microscopy unit (2) including one or more microscopy modules (21), wherein each microscopy module (21) comprises an optical lens assembly with eight to sixteen lens elements having a total magnification in a range of 10X to 2000X; a protective layer (3) disposed on the optical microscopy unit to protect the optical microscopy unit from physical and chemical damages; a sample holding unit (4) disposed on the protective layer, wherein the sample holding unit includes at least one compartment to hold a sample to be imaged by the one or more microscopy modules; a first light source unit (1) mounted on the optical microscopy unit; and a second light source unit (5) mounted inside the optical microscopy unit adjacent to the one or more microscopy modules.



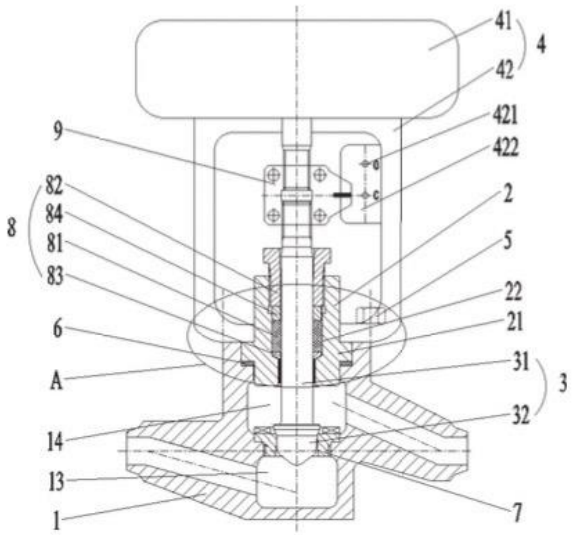
21: 2023/05997. 22: 2023/06/06. 43: 2023/12/01
51: A61B
71: HEBEI CHEST HOSPITAL
72: MENG Jiatian, MENG Zili, ZHANG Zhihua, LI Xiaoyu
33: CN 31: 2021113678427 32: 2021-11-18
54: BRACKET BLOCKING UMBRELLA FOR PLEURAL FISTULA
00: -
The invention discloses a stent blocking umbrella for pleural fistula, which comprises a retracting device, a fixing device and a blocking device; the fixing device and the plugging device can be accommodated in the retractable device, one end of the fixing device is detachably connected with the bottom of the retractable device, the other end of the fixing device is connected with one side of the plugging device through threads, the outer wall of the fixing device slides against the inner wall of the retractable device, and the outer wall of the plugging device slides against the inner wall of the retractable device; the fixing device comprises a bracket body, wherein one end of the bracket body is provided with a diameter reduction part, and the top surface of the diameter reduction part is fixedly connected with a connecting mechanism; the connecting mechanism is connected with the bottom of the retracting device by threads; the bracket body is provided with an L-shaped structure; a through hole is formed in the bent part at the outer side of the bracket body; the other end of the bracket body is provided with a connecting part; the inner diameter of the connecting part gradually decreases in the direction away from the bracket body; the outer wall of the opening of the connecting part is fixedly connected with one end of a connecting seat; and the other end of the

connecting seat is connected with a blocking device by threads.



21: 2023/06013. 22: 2023/06/06. 43: 2023/12/11
51: F16K
71: NEWAY VALVE (SUZHOU) CO., LTD.
72: WU, Shirong, ZHOU, Wei, DONG, Xianjin
33: CN 31: 202211391392.X 32: 2022-11-08
54: REGULATING VALVE
00: -

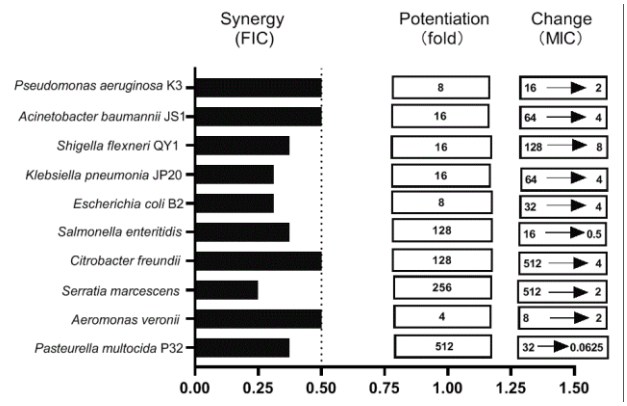
The present invention relates to the technical field of valves, in particular to a regulating valve. The regulating valve comprises a valve body, a valve cover, an opening and closing structure and an executing mechanism, the valve body is provided with a first mounting surface, a concave part is concave from outside to inside on the first mounting surface, and the valve body further comprises a first cavity and a second cavity; the valve cover is provided with a clamping part matched with the concave part, and the clamping part is provided with a second mounting surface, and the second mounting surface is flush with the first mounting surface; the opening and closing structure is slidably arranged on the valve cover with one end extending into the valve body, and the opening and closing structure separates or connects the first cavity and the second cavity through rising or falling to control the opening and closing of the valve; and the executing mechanism comprises an executing structure and a bracket, wherein, a driving end of the executing structure is connected with the opening and closing structure to drive the opening and closing structure to rise and fall; the bracket has a limiting surface, the bracket is connected with the valve body through a connecting structure, such that the limiting surface is abutted against the first mounting surface and the second mounting surface. The regulating valve provided in the present invention adopts a clamping valve cover, therefore, the connecting structures are reduced, the height of the valve is lowered, and the application range is wide.



21: 2023/06022. 22: 2023/06/07. 43: 2023/11/30
51: C12N
71: Jilin Agricultural University
72: MA Hongxia, KONG Lingcong, LIU Lei, CUI Qi, YU Handong, GUAN Lili, ZHANG Haipeng, HE Chengguang
33: CN 31: 2023105569573 32: 2023-05-17
54: APPLICATION OF ANTIBACTERIAL PEPTIDE LRGG IN PREPARING ANTIBACTERIAL SYNERGIST OF FLUOROQUINOLONES
00: -

The invention discloses an application of an antibacterial peptide LRGG in preparing an antibacterial synergist of fluoroquinolones, and relates to the technical field of biomedicine. The amino acid sequence of the antibacterial peptide LRGG is shown in SEQ ID NO.1. The antibacterial peptide LRGG provided by the invention can be

combined with fluoroquinolones to produce synergistic sterilization effect on gram-negative bacteria, such as Escherichia coli, Shigella dysenteriae and Pasteurella multocida. Among them, the combined application of LRGG and fluoroquinolones has the strongest synergistic bactericidal effect on drug-resistant Pasteurella multocida (MIC=32 micrograms per milliliter), which can increase the antibacterial activity of fluoroquinolones against drug-resistant Pasteurella multocida by 512 times (MIC=0.0625 micrograms per milliliter), and significantly improve the therapeutic effect of fluoroquinolones on infection caused by drug-resistant Pasteurella multocida.

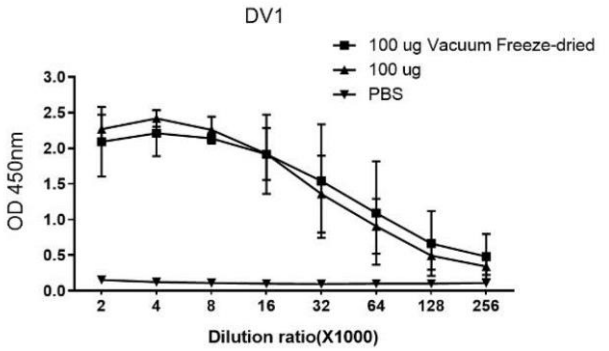


21: 2023/06023. 22: 2023/06/07. 43: 2023/11/30
51: A61K
71: Army Medical University
72: Li Jintao, Hua Dong, Liu Minchi, Guo Hongxia
33: CN 31: 2022112959536 32: 2022-10-21

54: TETRAVALENT DENGUE INACTIVATED VACCINE

00: -

A tetravalent dengue inactivated vaccine is provided, including a DENV-1 inactivated antigen, a DENV-2 inactivated antigen, a DENV-3 inactivated antigen, and a DENV-4 inactivated antigen. The tetravalent dengue inactivated vaccine with a good immune effect is prepared by using four serotypes of dengue viruses as virus seeds. Furthermore, the tetravalent dengue inactivated vaccine is capable of being preserved at 4oC for a long time, possesses lasting and effective immunogenicity, produces higher antibody titer in mice and non-human primates, has good challenge protection capability on suckling mice, has no reproductive toxicity in the mice, and has good safety.

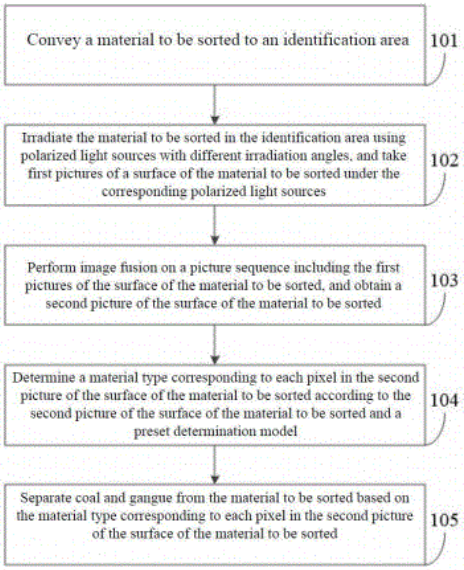


21: 2023/06024. 22: 2023/06/07. 43: 2023/11/30
51: B07C
71: SHANDONG FANGDA ENGINEERING CO. , LTD
72: ZHI, Junmin, WANG, Shiqiang, ZHANG, Lei, ZHANG, Kui, ZHU, Xiaogang, MIAO, Kang, FENG, Wenhui, WANG, Tao, DING, Xiaoqi

54: INTELLIGENT SORTING METHOD FOR COAL AND GANGUE

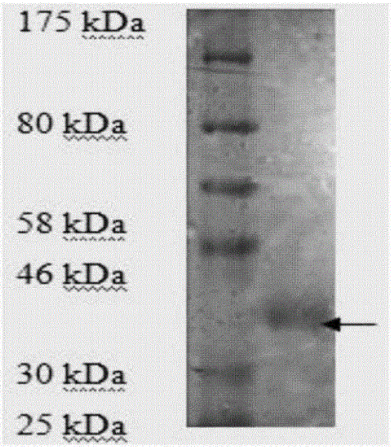
00: -

The present invention relates to an intelligent sorting method for coal and gangue, which belongs to the technical field of coal mines, including the following steps. A material to be sorted is conveyed to an identification area and irradiated using polarized light sources with different irradiation angles. First pictures of a surface of the material to be sorted are taken under the corresponding polarized light sources. Image fusion is performed on a picture sequence comprising the first pictures of the surface of the material to be sorted, and a second picture of the surface of the material to be sorted is obtained. A material type corresponding to each pixel in the second picture of the surface of the material to be sorted is determined according to the second picture and a preset determination model, and coal and gangue are separated from the material to be sorted.



21: 2023/06025. 22: 2023/06/07. 43: 2023/11/30
51: C08B
71: Jiangsu Alphay Bio-technology Co., Ltd., Jiangsu Alphay Science Institute of Medicinal Fungi
72: HUANG, Tiantian, CHEN, Junhua, CHEN, Hui, XU, Chunhua, QUAN, Weifeng, KUANG, Qun, TIAN, Zhenle, WANG, Jie, LIU, Guangjian, JIANG, Yi
54: METHOD FOR PREPARING GRIFOLA FRONDOSA EXOPOLYSACCHARIDES
00: -
The present disclosure relates to technical fields of bioengineering and edible and medicinal fungi, particularly to a method for preparing Grifola frondosa polysaccharides. The present disclosure provides a method for preparing Grifola frondosa exopolysaccharides, comprising: cultivating a Grifola frondosa polysaccharide-producing bacterial strain and carrying out fermentation, separating mycelium and fermentation broth, and extracting the mycelium and the fermentation broth respectively. The content of Grifola frondosa polysaccharides prepared by the method of the present disclosure is about 80 percent to 85 percent, the yield of the Grifola frondosa mycelia polysaccharides reaches 1.55g/L, and the yield of the Grifola frondosa polysaccharides of the fermentation broth reaches 3.8 g/L.

21: 2023/06026. 22: 2023/06/07. 43: 2023/11/30
51: A61K; C07K; A61P
71: Jiangsu Alphay Bio-technology Co., Ltd., Jiangsu Alphay Science Institute of Medicinal Fungi
72: XU, Chunhua, CHEN, Junhua, CHEN, Hui, WU, Weijie, HUANG, Tiantian, BAO, Zhenwei, ZHAO, Haijun
54: METHOD FOR EXTRACTING PLEUROTUS ERYNGII IMMUNE PROTEIN AND APPLICATION THEREOF
00: -
The present disclosure relates to a method for extracting Pleurotus eryngii immune protein. According to the present disclosure, the method comprises: taking fresh Pleurotus eryngii for vacuum freeze-drying and grinding; mixing the obtained Pleurotus eryngii powder with alkali liquor to obtain a mixture; stirring and centrifuging the obtained mixture to obtain leaching liquor; chemically modifying the leaching liquor; concentrating and spray-drying the modified feed liquor to obtain crude Pleurotus eryngii protein; preparing an aqueous solution of the crude Pleurotus eryngii protein, loading to a DEAE-cellulose column, performing gradient elution, collecting the component obtained by eluting with 0.3 mol/L of NaCl, dialyzing, and performing freeze-drying to obtain the Pleurotus eryngii immune protein. The present disclosure has simple extraction process and mild conditions, and the obtained Pleurotus eryngii immune protein has high purity and strong anti-inflammatory activity, and is especially suitable for the treatment of esophagus cancer.

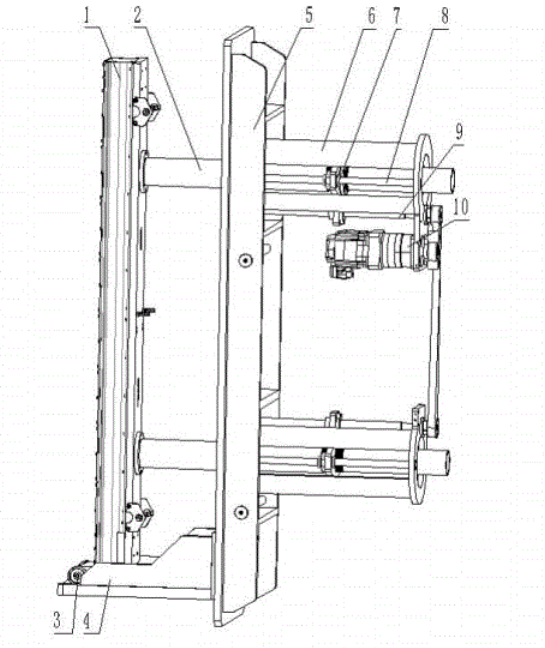


21: 2023/06027. 22: 2023/06/07. 43: 2023/11/30
51: C23C
71: Hunan Yufeng Vacuum Science and Technology Co., Ltd
72: ZHOU, Yi, LIU, Guoli
33: CN 31: 2022113817960 32: 2022-11-07

54: TELESCOPIC MECHANISM FOR COATING CATHODE OF IRREGULAR CURVED-SURFACE WORKPIECE

00: -

The present disclosure discloses a telescopic mechanism for a coating cathode of an irregular curved-surface workpiece, which comprises a rectangular cathode, a cathode support tube, a mounting door panel, a lead screw pair, a connecting plate, a driving device and a control device, wherein the mounting door panel is hermetically connected with a vacuum chamber, upper and lower sides of a back panel of the rectangular cathode are connected with the cathode support tube, respectively, the other end of the cathode support tube passes through the mounting door panel and is hermetically connected with an atmospheric side of the mounting door panel through welding bellows, one side of the connecting plate is fixedly connected with the cathode support tube, and the other side thereof is fixedly connected with a nut of the lead screw pair.



21: 2023/06028. 22: 2023/06/07. 43: 2023/11/30

51: G01N

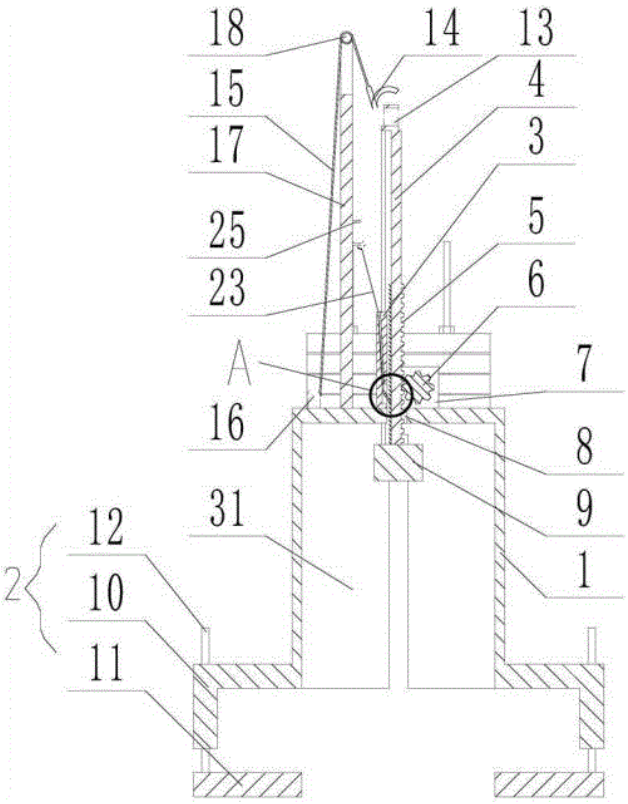
71: XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY

72: CHENG Cheng, LI Xingzhen

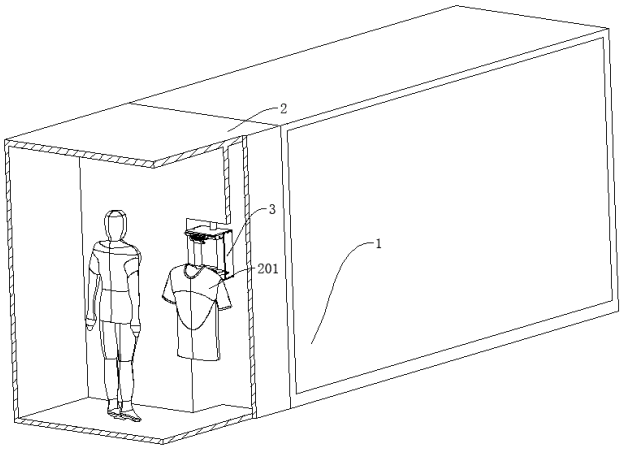
54: EXPERIMENTAL DETECTION DEVICE FOR CONCRETE IMPACT RESISTANCE

00: -

The invention provides an experimental detection device for concrete impact resistance, belonging to the technical field of detection equipment, comprising: a bracket and a power device, the bottom of the bracket is fixedly provided with a clamping device for clamping concrete members; the power device comprises a track groove, a slider, a rack, a gear and a motor, wherein the track groove is vertically and fixedly arranged on the top surface of the bracket, and the notch of the track groove is communicated with a first through hole arranged on the top surface of the bracket, the rail groove is slidably connected with a slider, the slider is hollow and has a gap with the rail groove; a plurality of balls are installed on the side wall of the slider, the plurality of balls are rotatably connected with the rail groove; the side of the slider close to the first through hole is fixedly connected with a rack, the rack meshes with a gear, the gear is fixedly connected to the output shaft of the motor, and the motor is fixed on the top surface of the bracket. The experimental detection device for concrete impact resistance of the invention adopts the sliding block to locally arrange the rack, and the motor only accelerates the rack for a certain distance, and the motor accelerates the falling half of the sliding block, thus avoiding the problem that the service life of the motor is shortened due to the reverse acting force as a power device.

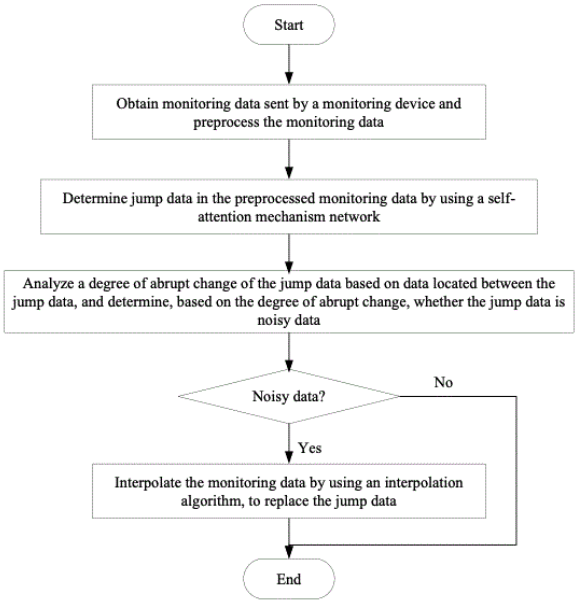


21: 2023/06033. 22: 2023/06/07. 43: 2023/12/01
51: G09F
71: Yancheng Polytechnic College
72: XING Jingjing, QIU Qinyi, XU Weiwei, ZHOU Bin, QIAN Wei, XU Muhua, WANG Qianwen
54: SELF-ORGANIZING AND SELF-CLEANING DYNAMIC INTELLISENSE SHOW WINDOW AND ITS DISPLAY METHOD
00: -
The present invention relates to the field of intelligent show window display technology, in particular to a self-organizing and self-cleaning dynamic intellisense show window and its display method, including a show window, which is an interactive intelligent show window that can dynamically display clothing based on detected pedestrian flow; an intelligent fitting room, which is located next to the show window and is convenient for customers to try on clothes, and the intelligent fitting room is equipped with fitting clothes specially designed for customers to try on; and a clothing recycling device, wherein the intelligent fitting room includes a clothing recycling device that can quickly recycle the fitting clothes and remove wrinkles and odors from the clothes. The present invention uses a movable intelligent mechanical claw to set up a long hook, and the fitting clothes are hung on the long hook through a clothing auxiliary handle; the intelligent mechanical claw holds the clothes and sends them back to the back of the fitting room; at the same time, the intelligent mechanical claw is equipped with an air blowing device, which can air blow and organize the clothes, thereby completing the recycling and sorting of the clothes.

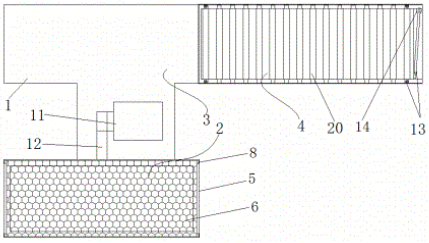


21: 2023/06035. 22: 2023/06/07. 43: 2023/12/11
51: G06F
71: CHINA MERCHANTS CHONGQING COMMUNICATIONS TECHNOLOGY RESEARCH & DESIGN INSTITUTE CO., LTD.
72: He HUANG, Zongling YAN, Feng XU, Youping MAO, Xiaosong ZHANG, Shengchuan TANG, Hejun CHAI, Zhongshuai LIU, Ling TAN, Xueming JIA
54: MONITORING DATA PROCESSING METHODS, TREND FORECASTING METHODS AND SYSTEMS
00: -
The present disclosure discloses a monitoring data processing method and system, and a trend prediction method and system. The system includes an obtaining module, a prediction module, a determining module, and a processing module. First, the obtaining module preprocesses obtained monitoring data, and the prediction module predicts a changing trend of a monitored object by using a trained GRU model. Then, the determining module determines whether the changing trend is abnormal; when the changing trend is abnormal, the determining module determines nonlinear jump data in the monitoring data by using a self-attention mechanism network. The processing module then determines whether the jump data is noisy data; if yes, the processing module replaces the jump data

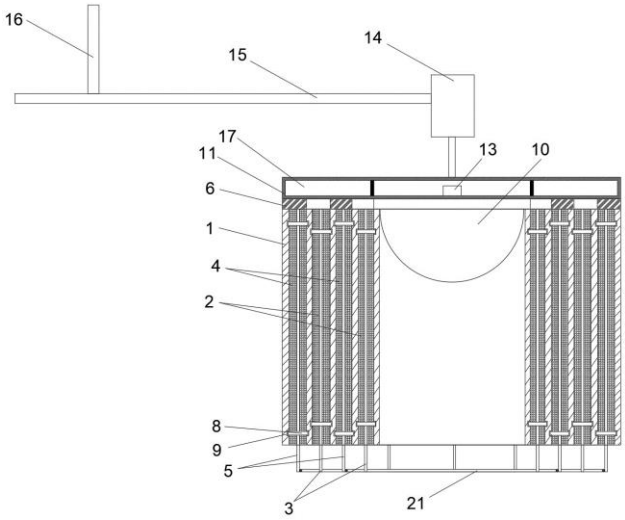
through interpolation. Finally, the prediction module performs trend prediction again based on the monitoring data processed by the processing module. This can improve the trend prediction accuracy of the monitoring data and avoid false trend warnings.



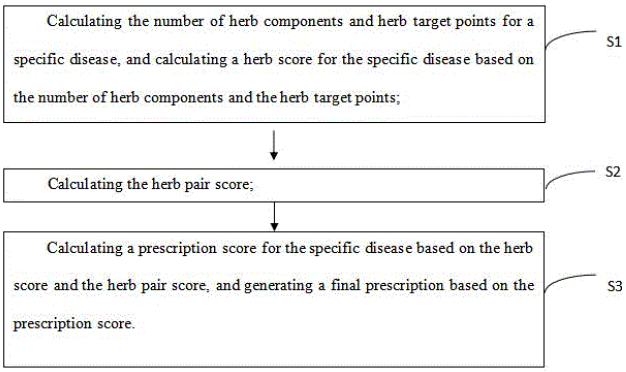
21: 2023/06068. 22: 2023/06/08. 43: 2023/12/01
51: A01G
71: Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences
72: GUO, Xiaoxia, TIAN, Lu, SU, Wenbin, HUANG, Chunyan, LI, Zhi, JIAN, Caiyuan, ZHANG, Peng, HAN, Kang, ZHANG, Xiangqian, LIANG, Yahui, REN, Huimin, ZHOU, Lei, LIU, Jia, KONG, Dejuan, WANG, Zhenzhen, LIU, Qingpeng
33: CN 31: 2023205284076 32: 2023-03-17
54: SEEDLING RAISING DEVICE FOR BETA VULGARIS
00: -
Disclosed in the present invention is a seedling raising device for Beta vulgaris. The seedling raising device for Beta vulgaris includes a seedling raising and soil loading mechanism, a soil compacting mechanism, an overturning mechanism and a seeding mechanism provided on a rack, where a through hole is provided on a position of a top plate of the rack below the seedling raising and soil loading mechanism, plug trays in the seedling raising and soil loading mechanism are positioned above the through hole, the soil compacting mechanism is movably connected to bottoms of the plug trays, the overturning mechanism is connected to a side plate of the seedling raising and soil loading mechanism, and the seeding mechanism is movably provided on a seeding area and can move to the seeding area.



21: 2023/06069. 22: 2023/06/08. 43: 2023/12/01
51: A61C
71: Hainan Medical University
72: Zhuling GUO, Jie ZHOU, Yingying LI, Siqi LI, Linyi LI, Qing YUAN, Yongxin CHEN, Xuejing LIN
33: CN 31: 202310241355.9 32: 2023-03-14
54: INTRAORAL VISUALIZATION MULTIPURPOSE TREATMENT APPARATUS
00: -
The invention discloses an intraoral visualization multipurpose treatment apparatus. The apparatus includes a plurality of cylinders mutually nested, where a longitudinal cutting mechanism and a transverse cutting mechanism are alternately arranged in the gap between adjacent ones of the cylinders, the longitudinal cutting mechanism includes a first flexible container, one end of the first flexible container is fixedly connected with the cylinders, and the other end thereof is provided with a first flexible cutting wire; the transverse cutting mechanism includes a plurality of second flexible containers, the first flexible container and the second flexible container are both used for introducing liquid, the second flexible container is fixedly connected through fixing wires, and a second flexible cutting wire with an arc-shaped cross section is arranged between the bottoms of adjacent ones of the fixing wires and located on a side of the fixing wire towards the axes of the cylinders. The apparatus can adaptively remove rotten tissues according to area sizes of the rotten tissues in real time, thereby avoiding prolonged operation time caused by a blind area of a visual field and improving the operation effect and efficiency.



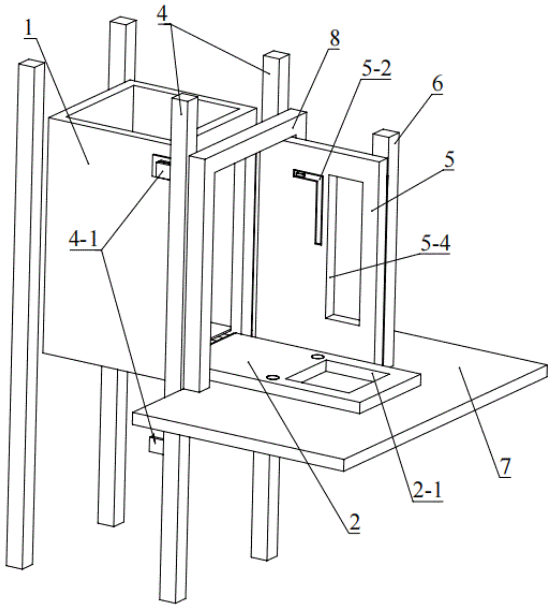
21: 2023/06070. 22: 2023/06/08. 43: 2023/12/01
51: A61K
71: Institute of Chinese Materia Medica; China Academy of Chinese Medical Sciences
72: LI Bing, ZHANG Huamin, NIU Qikai
33: CN 31: 202211439736X 32: 2022-11-17
54: HERBAL FORMULAE SCREENING METHOD AND SYSTEM BASED ON DIAGNOSIS AND TREATMENT EXPERIENCE AND INTELLIGENT LEARNING
00: -
The invention discloses a method and a system for screening herbal formulae based on diagnosis and treatment experience and intelligent learning, which comprises the following steps: S1, calculating the number of herb components and herb target points for a specific disease, and calculating a herb score for the specific disease based on the number of herb components and the herb target points; S2, calculating the herb pair score; S3, calculating a prescription score for the specific disease based on the herb score and the herb pair score, and generating a final prescription based on the prescription score. The invention can quickly and accurately screen effective Chinese medicine prescription through intelligent optimization algorithm according to Chinese medicine diagnosis and treatment experience.



21: 2023/06071. 22: 2023/06/08. 43: 2023/12/01
51: C04B
71: XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY
72: CHENG Cheng, LI Xingzhen
54: THERMAL INSULATION AND FLAME RETARDANT BUILDING MATERIAL AND PREPARATION METHOD THEREOF
00: -
The invention belongs to the technical field of building materials, and particularly relates to a heat-insulating and flame-retardant building material and a preparation method thereof, which comprises an insulation layer, wherein the insulation layer is made of the following raw materials in parts by weight: 30-50 parts of ordinary portland cement, 20-40 parts of fly ash, 10-15 parts of building waste powder, 2-6 parts of glass fiber, 3-9 parts of calcium carbonate powder and 20-30 parts of water; The heat insulation material of that invention has wide source of raw materials, doe not use flammable raw materials and chemical reagents, is green, safe and environment-friendly, has good heat insulation effect and simple preparation method, and is suitable for industrial production and application.

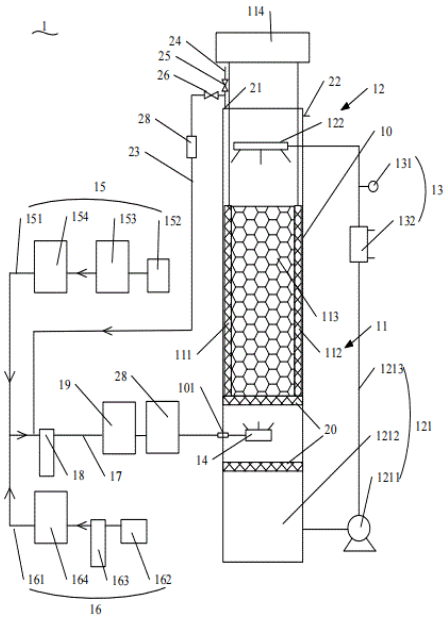
21: 2023/06072. 22: 2023/06/08. 43: 2023/12/01
51: B66B
71: Tangshan University
72: Qiang Li, Weihua Ma, Yurui Men, Jiaxin Liu, Zhidong Zhu, Shang Wang
33: CN 31: 2023103543687 32: 2023-04-04
54: DUAL PROTECTIVE DOORS FOR CONSTRUCTION ELEVATORS AND FLOOR CONSTRUCTION ENTRANCES
00: -
The invention belongs to the technical field of construction safety protection, in particular to the dual protective doors for construction elevators and

floor construction entrances, which comprises an elevator cage, door posts, an additional door post, the first protective door, rotating shafts, the second protective door, a fixed plate, and an operation window. The elevator cage has the first protective door. The door posts are vertically installed on the outside of the floor construction entrance, and the additional door post is vertically installed on the inside of the floor construction entrance. The second protective door is installed on the right door post and is movably connected to the right door post. The first protective door is connected to the bottom plate of the elevator cage by the rotating shaft, and the rotating shaft is fixed on the first protective door. There is an operation window on the side of the first protective door near the top of the elevator cage. The invention can prevent the construction elevator from starting and leaving due to misoperation, while the protective door is not closed in time, resulting in falling of construction personnel.



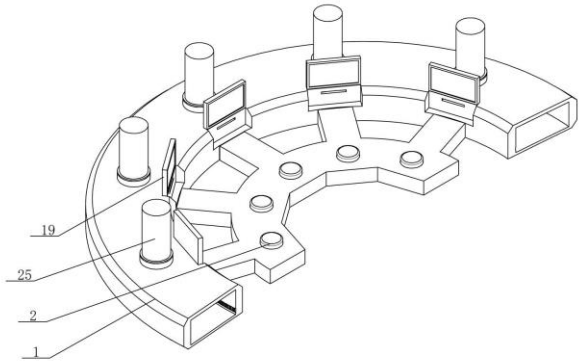
21: 2023/06076. 22: 2023/06/08. 43: 2023/12/01
51: C02F
71: Yanbian University
72: QUAN, Yue, JIANG, Ye, MIAO, Luyuan, WANG, Baiqi, WANG, Siyi, BAI, Rui, WANG, Kexin, LI, Bailu, YANG, Shuyue, WANG, Huaijia, SHEN, Yuexi, ZHAO, Chong, WANG, Wenbo
54: REACTION DEVICE FOR ELECTROCHEMICAL HYBRID BIOFILM
00: -

Disclosed in the present invention is a reaction device for an electrochemical hybrid biofilm. The reaction device includes a reaction tower, an ultraviolet reactor, an electrode assembly, a supply assembly and a temperature control assembly. An electrochemical technology and a biofilm technology are combined, and pretreatment by the ultraviolet reactor and temperature regulation and control over a nutrient solution by the temperature control assembly are employed to improve treatment efficiency of chlorobenzene waste gas.

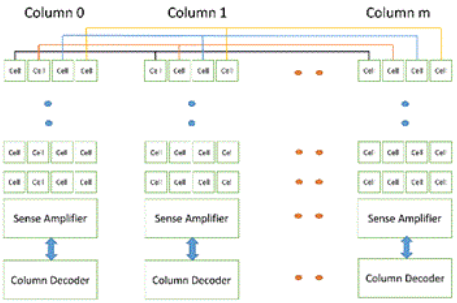


21: 2023/06078. 22: 2023/06/08. 43: 2023/12/01
51: A63B
71: Henan vocational college of agriculture
72: Wang Qingyue, Tian Titi, Xu Liping, Zhang Mengzhe, Wang Yixuan, Li Heman, Shi Shuanghui, Ma Qianqian, Xing Fangfang, Xiao Yanyun, Mei Gengjun, Mei Guijun
54: LANGUAGE SKILLS TRAINING EQUIPMENT
00: -
The present invention relates to a language skill training instrument, which effectively solves the problem of poor interest in language skill training instruments; The technical solution for solving the problem includes a device body, which is characterized in that the upper surface of the device body is equipped with a compressible press, and the lower surface of the press body is equipped with a press recognition mechanism. The press error mechanism includes an identification ring, an

identification hole, and a reset spring. The identification ring is sliding inside the device body, and the upper surface of the identification ring is provided with an identification hole, The device designed in this scheme can push out the correct card when a child chooses incorrectly. This scheme uses the setting of the recognition ring to automatically detect whether the child has chosen correctly, rotate correctly, and replace the card again. By using the setting of whether the press passes through the recognition hole, the detection spring can be squeezed to trigger a signal to determine whether the child has chosen correctly.

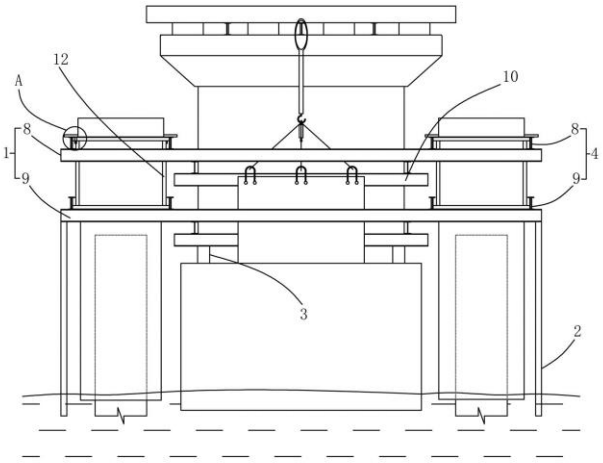


21: 2023/06079. 22: 2023/06/08. 43: 2023/12/01
51: G11C
71: Dr. Barekar Shital Sachin, Dr. Mali Madan Balkrishna, Mathurkar Piyush Kiranrao, Dr. Borhade Ratnaprabha Ravindra, Londhe Tanisha Sanjaykumar
72: Dr. Barekar Shital Sachin, Dr. Mali Madan Balkrishna, Mathurkar Piyush Kiranrao, Dr. Borhade Ratnaprabha Ravindra, Londhe Tanisha Sanjaykumar
54: A GEOMETRY STRUCTURE OF STATIC RANDOM ACCESS MEMORY (SRAM) FOR HIGH PERFORMANCE AND AREA ON CHIP
00: -
On-chip cache memory based on Static Random Access Memory (SRAM) is widely used. Being the major part of the system-on-chip, it contributes the most important role in deciding the speed of operation, power dissipation, and area. High stability with more density and low power consumption is a vital part of modern system designs. In VDSM technology, the effect of temperature, process variation is challenging while designing the cache memory. For the reliable operation of the circuit, the design of the SRAM cell is projected. For maximum optimization of the layout area, 4-Cells alignment of cells in a row is proposed to achieve maximum density on a chip. This paper evaluates the effectiveness of the proposed alignment technique to increase the compactness of the SRAM array. With the effect of extracted parasitic elements, access time achieved is 340ps for 1KB of memory. The reduction in the area with the proposed alignment technique is 57.61% at the column level. The aspect ratio improved by 70.17 % with the proposed 4-Cells alignment technique.



21: 2023/06080. 22: 2023/06/08. 43: 2023/12/01
51: E01D
71: China Railway Seventh Group Co., LTD, Overseas Company of China Railway Seventh Bureau Group Co., Ltd.
72: WU, Yongquan, DONG, Xianyang, MAO, Kunlin, GUO, Dongdong, TAO, Yepeng, TANG, Haisheng, DU, Chao
33: CN 31: 202321275717.8 32: 2023-05-24
54: DRILLING PILE CONSTRUCTION PLATFORM IN WATER
00: -
The present application provides a drilling pile construction platform in water, comprising: a main platform and auxiliary platforms. The main platform is centrally sleeved on a pier body of the existing pier; a vertical column is arranged below a corner of the main platform; the lower end of the vertical column extends into a river bed; the middle part of the main platform is protruded downward with a strut; the lower end of the strut extends to an upper platform surface of a foundation platform; the auxiliary platforms are arranged in pairs; and the two auxiliary platforms are symmetrically arranged on both ends of the main platform about the existing pier. The present application enhances the ability to resist the impact of water by using the existing pier, reduces the load of the main platform through mud

regions, stays mechanical equipment such as cranes on the existing bridge to lift components during construction, greatly reduces the load of the main platform to reduce the bearing standard of the main platform, reasonably uses useful resources in all aspects, significantly reduces components required for the traditional construction of the construction platform on the water, facilitates the construction more conveniently, saves time, shortens the construction period.

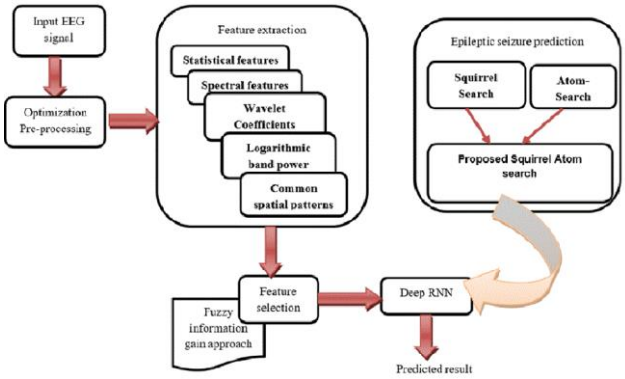


21: 2023/06081. 22: 2023/06/08. 43: 2023/12/01
51: A61B
71: Dr. Ratnaprabha Ravindra Borhade, Dr. Sharada Narsingrao Ohatkar, Mrs. Tanisha Sanjaykumar Londhe, Dr. Shital Sachin Barekar, Mr. Ravindra Honaji Borhade
72: Dr. Ratnaprabha Ravindra Borhade, Dr. Sharada Narsingrao Ohatkar, Mrs. Tanisha Sanjaykumar Londhe, Dr. Shital Sachin Barekar, Mr. Ravindra Honaji Borhade

54: APPARATUS AND METHOD FOR PREDICT EPILEPTIC SEIZURE

00: -

The apparatus includes a computing device (106) having a processor (108) that uses the EEG signals (102). Initially, the EEG signal is collected (110) from the and these signals are allowed to the pre-processed (112), where the external artifacts are removed from the input signal. The pre-processed signal result high quality of EEG recordings and is allowed to fed to the feature extraction (114), where the features, like spectral features, statistical features, wavelet coefficient, logarithmic band power, and common spatial patterns (CSP) are effectively extracted from the EEG signal. The deep recurrent neural network (Deep RNN) classifier performs the seizure prediction (116) mechanism in a more effective way such that weight update process of the classifier is achieved using a Squirrel Atom Search Optimization (SASO) technique.



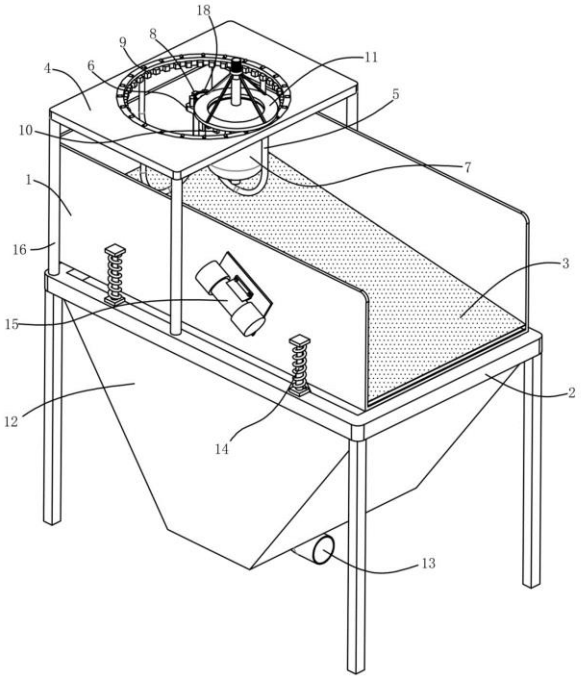
21: 2023/06082. 22: 2023/06/08. 43: 2023/12/01
51: F04B
71: China Railway Seventh Group Co., LTD, Overseas Company of China Railway Seventh Bureau Group Co., Ltd.
72: LI, Songquan, WANG, Peng, MAO, Kunlin, GUO, Dongdong, TAO, Yepeng, SUN, Jianguo, ZONG, Qingwei
33: CN 31: 202321275594.8 32: 2023-05-24

54: MUD CIRCULATION DEVICE FOR PILE FOUNDATION CONSTRUCTION IN WATER

00: -

The present application provides a mud circulation device for pile foundation construction in water, comprising: a screening bin and a sprinkling mechanism; the screening bin is located on a bracket; a sloped screening plate is arranged in the screening bin; the sprinkling mechanism comprises: a sprinkling platform, a supporting arm, a hoisting platform, a sprinkling bucket and a driving gear; the sprinkling platform is located above the screening bin; the sprinkling platform is provided with a through hole; the through hole corresponds to a high part of the screening plate; an internal toothed ring is embedded in the through hole; the hoisting platform is located in the center of the through hole; and the supporting arm is located below the sprinkling platform. In the present application, the sprinkling bucket which can move along an annular trajectory is arranged above the screening bin, which can increase the utilization rate of the screening surface of the screening plate and prevent the mud from

intensively falling on a fixed area of the screening plate, and the sprinkling bucket in the present application rotates in the process of moving along the annular trajectory. Thus, the mud in the sprinkling bucket forms eddy current at this moment, which accelerates the mud falling speed of the sprinkling bucket and effectively improves the screening and circulation efficiency of the device for the mud.

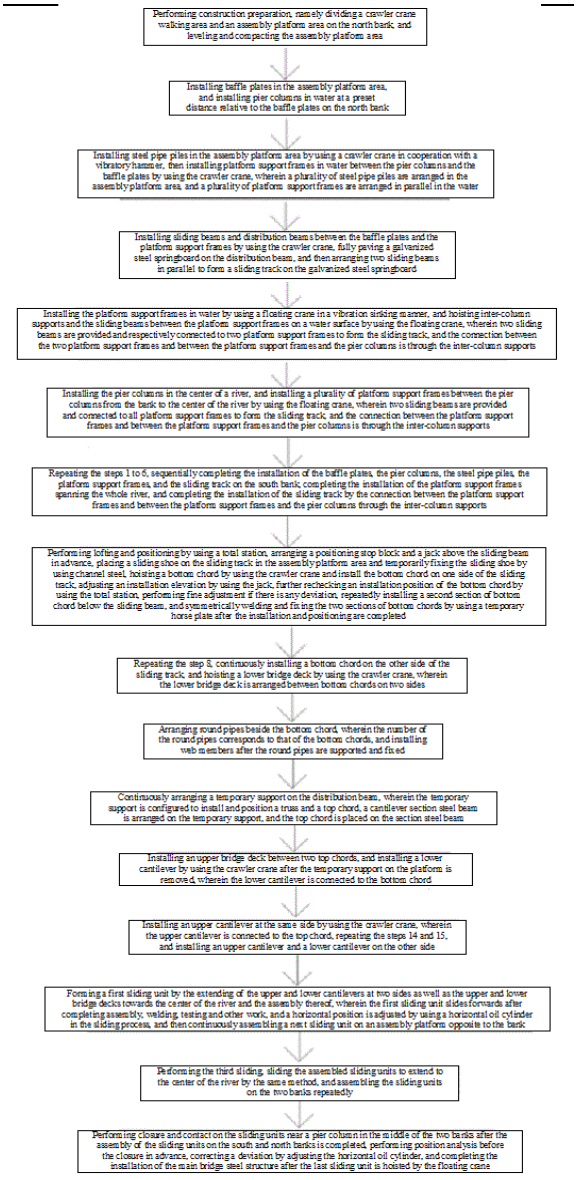


21: 2023/06083. 22: 2023/06/08. 43: 2023/12/11
51: E01D
71: CHINA RAILWAY FIRST GROUP BRIDGE ENGINEERING CO., LTD., EIGHTH ENGINEERING COMPANY LTD. OF CHINA RAILWAY FIRST GROUP, CHINA RAILWAY FIRST GROUP CO., LTD.
72: ZHUO, Lei, ZHAO, Bin, CHENG, Xiangyang, SHI, Zhongpan, XU, Hong, TAO, Qianqian, ZHANG, Guanjian, ZHANG, Guoqiang, QIN, Xiaodong, ZHAO, Zexu, HAO, Linjie, BI, Zhanglong, XUAN, Xinpeng, CHEN, Qingyun, SHEN, Jie, XING, Liao
33: CN 31: 202310395499X 32: 2023-04-13

54: CONSTRUCTION METHOD FOR THE MAIN BRIDGE STEEL STRUCTURE

00: -

The present invention discloses a construction method for a main bridge steel structure, and relates to the technical field of bridge construction. The method comprises the following specific steps: dividing areas → installing baffle plates and pier columns → installing steel pipe piles and platform support columns → installing inter-column supports and sliding beams to form a sliding track → repeatedly constructing on the south land → completing platform support covering a river → installing a bottom chord and a lower bridge deck → installing a top chord and an upper bridge deck → installing an upper cantilever and a lower cantilever → assembling sliding units → repeatedly assembling the sliding units for closure → hoisting a last sliding unit → completing the installation of the main bridge steel structure. This construction method can reduce operational risks, shorten construction period, save materials, and reduce costs.

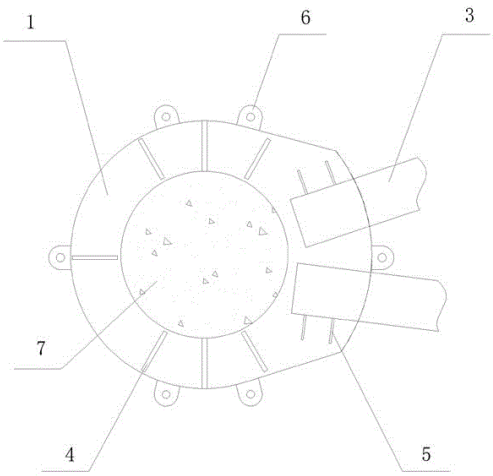


21: 2023/06085. 22: 2023/06/08. 43: 2023/12/01
51: B66C
71: CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD
72: HUANG, honglin, GAN, jingyang, CHENG, lei, HU, jinwei, CHEN, lei, WANG, jialin, WANG, ying, LI, jun, ZHANG, ming, WANG, pengfei
33: CN 31: 202222585465.0 32: 2022-09-29

54: TOWER CRANE ATTACHED STEEL PIPE COLUMN CONNECTING NODE STRUCTURE

00: -

The present invention discloses a tower crane attached steel pipe column connecting node structure, including hoops and anti-falling devices. The hoop is of two butted half-ring structures and fastened to the outside of a steel pipe column through bolts, the two hoops are arranged in columns up and down, attached rods extend between the two hoops and are fixed to the two hoops by welding, several anti-falling devices are welded below the hoops, and the anti-falling devices are connected to the steel pipe column by welding to support the hoops. The present invention meets force transmission requirements of a node, and is stable and firm in connection, simple in structure, easy to produce, and convenient to use on site.

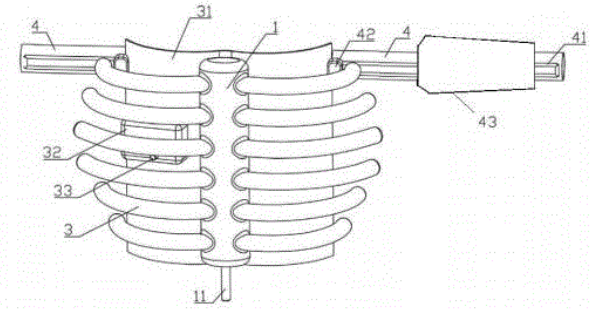


21: 2023/06110. 22: 2023/06/09. 43: 2023/12/01
51: A61M
71: ARMY MEDICAL UNIVERSITY, PEOPLE'S LIBERATION ARMY, PRC
72: ZONG, Zhaowen, CHEN, Lin, JIA, Yijun, MA, Yunfei, JIANG, Renqing, DU, Wenqiong, YANG, Haoyang, ZHONG, Xin, CHEN, Can

54: MULTI-FUNCTIONAL INTEGRATED ON-SITE FIRST AID SKILL TRAINING SYSTEM

00: -

Disclosed is a multi-functional integrated on-site first aid skill training system, which relates to the field of medical education, including a multi-functional training mold for simulating intraosseous infusion, upper limb venous infusion, and hemothorax closed drainage training, including hollow sternum, rib, and upper arm models. A first blood bag is provided on a front end surface of the left thoracic wall of the sternum model, provided with a first blood pump, an outlet end of which is connected to one end of a conduit, and penetrated by the other end thereof. A second blood bag is connected to the upper arm model and provided with a second blood pump in a lower portion, an outlet end of which is connected to one end of a rubber tube, and the other end thereof extends into the upper arm model provided with a first pressure sensor outside for detecting the blood pressure.



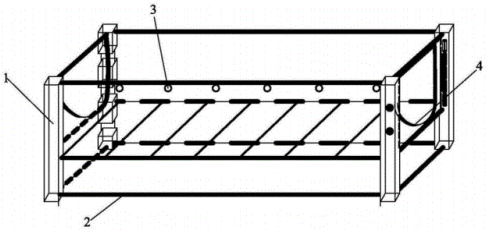
21: 2023/06111. 22: 2023/06/09. 43: 2023/12/01
51: A01K
71: Xinjiang Agricultural University, Xinjiang Uygur Autonomous Region Animal Husbandry Station
72: Fengming LI, Zhiwei LI, Juan GENG, Mahaba ROUZI, Peng YUAN, Jiahao WANG
33: CN 31: 2022108137280 32: 2022-07-11

54: FEEDING TROUGH FOR CAMELS

00: -

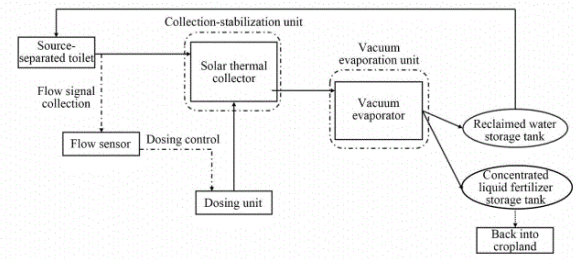
The present invention discloses a feeding trough for camels, including four main supports, a rotatable movable baffle, and a trough. The bottoms of the four main supports are connected in sequence through rectangular tubes to form a feeding trough base; a first-order rectangular tube layer and a second-order rectangular tube layer are arranged in sequence from the feeding trough base upwards; along a length direction parallel to the feeding trough

base, the first-order rectangular tube layer is welded with a plurality of rectangular tubes at equal intervals, and the bottom of the semi-cylindrical trough is located thereon; the second-order rectangular tube layer is welded with a plurality of steel bar rings at equal intervals; and the rotatable movable baffle is detachably arranged on one side of the trough. The feeding trough for camel of the present invention can prevent the camels from being injured, and make the cleaning easy.



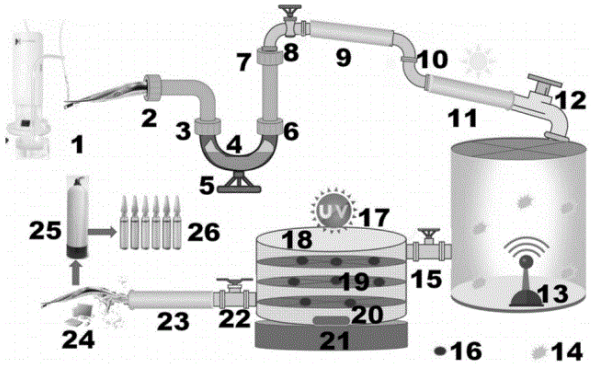
21: 2023/06112. 22: 2023/06/09. 43: 2023/12/01
51: B01J
71: Yancheng Teachers University
72: ZUO, Yuxiang, CHANG, Yingna, ZHAO, Zhiyuan, XU, Guodong, DONG, Youzhen
54: GREEN DISPOSAL METHOD FOR PVC PLASTIC WASTES AND APPLICATION OF POROUS CARBON MATERIAL CONVERTED FROM PVC PLASTIC WASTES
00: -
Disclosed are a synthetic method for cleaning and environmentally converting PVC plastic wastes into porous doped carbon electrosorption electrode materials with commercial value and an application thereof. The method includes the following steps: (1) dissolving PVC plastic wastes in a high polarity solvent, adding an inorganic strong alkali, and grinding the mixture at room temperature for a certain time to obtain a porous carbon material, wherein if a doping source is added in the preparation process, the porous doped carbon material can be prepared; (2) calcining a precursor at high temperature and performing steps of water washing to remove inorganic salt, centrifugalization, drying and the like to obtain doped porous carbon, prepared from the PVC plastic wastes, capable of being applied to electrochemistry; and (3) applying the prepared porous doped carbon material to electrosorption of metal ions, etc.

21: 2023/06113. 22: 2023/06/09. 43: 2023/12/01
51: C02F; C05F; C05G
71: University of Science and Technology Beijing
72: LI, Zifu, LYU, Yaping, WANG, Xuemei, ZHOU, Xiaoqin, CHENG, Shikun
54: COMPLETE RESOURCE RECOVERY TECHNOLOGY AND COMPLETE RESOURCE RECOVERY SYSTEM FOR SOURCE-SEPARATED URINE
00: -
The present disclosure relates to the complete resource recovery technology and the complete resource recovery system for source-separated urine. The complete resource recovery technology for the source-separated urine includes the following steps: mixing the source-separated urine and potassium peroxymonosulphate for urine stabilization treatment so as to obtain stabilized urine; and concentrating the stabilized urine so as to obtain concentrated liquid fertilizer and reclaimed water, respectively. The source-separated urine can be stabilized by thermally activated potassium peroxymonosulphate. The urease activity can be efficiently inhibited and the urea in stabilized urine remains stable for more than 1 month. The concentrated liquid fertilizer the high-quality reclaimed water can be obtained after treatment. the urine stability and the resource recovery rate of the source-separated urine are greatly improved.



21: 2023/06114. 22: 2023/06/09. 43: 2023/12/01
51: C02F
71: Zhuhai Jingwu Tech. Co. Ltd., Shaoguan University
72: Jinsheng CHENG, Sanyin ZHAO, Lanzhao ZHONG, Haocheng WANG, Wenying SUN
54: GRAPHENE PURIFICATION DEVICE AND METHOD FOR MEDICAL WATER
00: -
The invention relates to the technical field of medical water purification, in particular to a graphene

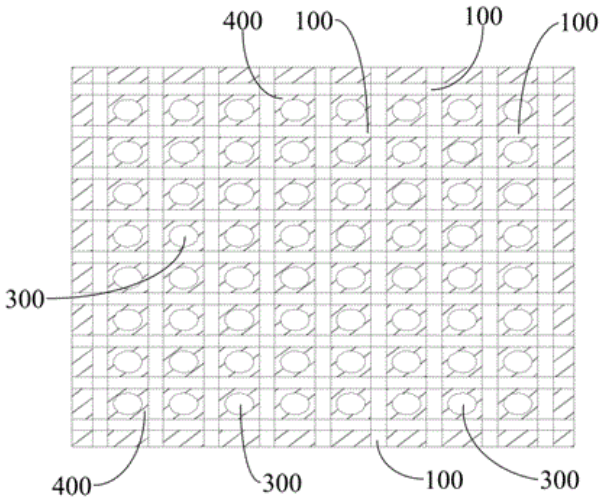
purification device for medical water and a method thereof. The purification device includes a multistage graphene filtering screen, a multistage graphene water purification column and a multistage sterilization pool, and the residual organic and inorganic pollutants and various pathogenic bacteria in medical water can be obviously purified by the invention, which is suitable for wat consumption scenes of various medical institution and various pharmaceutical companies, and that device of the invention is relatively simple in structure and low in cost.



21: 2023/06115. 22: 2023/06/09. 43: 2023/12/01
51: E04B
71: CHINA RAILWAY CONSTRUCTION 20TH GROUP MUNICIPAL ENGINEERING Co .,LTD.
72: LI Sha, REN Meng, WANG Minquan, ZHANG Pengfei, ZHAO Fei, LU Jie, LIU Heng, GUO Hongcheng, LI Ruishan, ZHANG Zhihong, GUI Chunhai

54: PREFABRICATED EXTERNAL WALL PANEL CONNECTION STRUCTURE AND ITS CONSTRUCTION METHOD

00: -
The invention discloses a prefabricated external wall panel connection structure and its construction method, belonging to the technical field of prefabricated building. The prefabricated external wall panel connection structure includes a steel reinforcement cage frame layer with multiple installation positions inside; an insulation layer, which is embedded in the steel reinforcement cage frame layer; multiple embedded parts, wherein the number of the embedded parts and the installation positions should be consistent and set one-to-one correspondence, and the embedded parts are set in the installation position; the embedded parts include the embedded sleeves, and the inner wall of the embedded sleeve has a slope in the extension direction of the embedded sleeve, with a slope of A, and A is less than or equal to 3 degrees. The present invention sets a slope of less than or equal to 3 degrees on the inner wall of the embedded sleeve in the extension direction of the embedded sleeve, preventing the connecting parts from being unable to match the embedded sleeve due to the large size deviation of the embedded sleeve's own structure, and reducing the difficulty of assembling prefabricated external wall panels on the construction site.

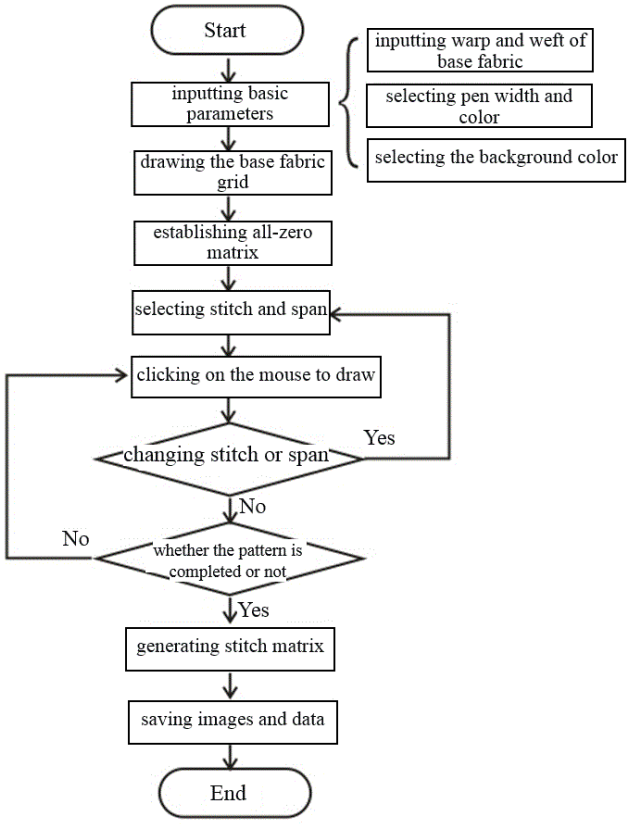


21: 2023/06116. 22: 2023/06/09. 43: 2023/12/01
51: G06F
71: Anhui Polytechnic University
72: WANG Xu, HONG Jun, ZUO Hongmei, WANG Zhen, LI Shaocong, XIANG Duowen, BO Zeming, ZHANG Haiyan

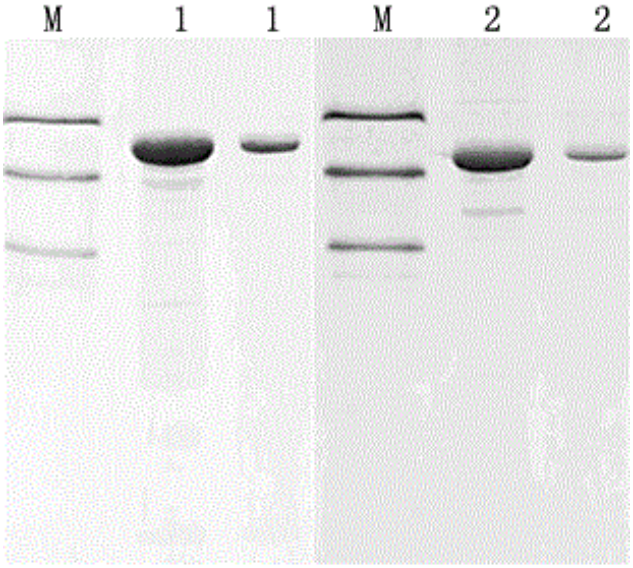
54: WANGJIANG CROSS STITCH PATTERN DESIGN SYSTEM AND DIGITIZATION METHOD

00: -
The invention discloses a Wangjiang cross stitch pattern design system and a digitization method. The system establishes a matrix model of the Wangjiang cross stitch pattern and forms the needle pattern unit in an interactive way, including following steps: 1) inputting a base fabric range of M warp and N weft; 2) establishing an all-0 element matrix A with n row and m column; 3) selecting stitch, line color, line width and background color; 4) generating a grid area for drawing; 5) forming a pattern unit by filling part of the grid area, and combining the pattern units to form a pattern; 6) modifying the grid area to correspond to the element of the matrix A; and 7)

finishing and saving the matrix A and the stitch pattern. Through the matrix modeling of Wangjiang cross stitch patterns and the design of Wangjiang cross stitch patterns by using computer technology, the invention has the characteristics of high speed, good editability and the like, and has good application value for the digital protection of Wangjiang cross stitch, the improvement of pattern design efficiency and the development of new products.

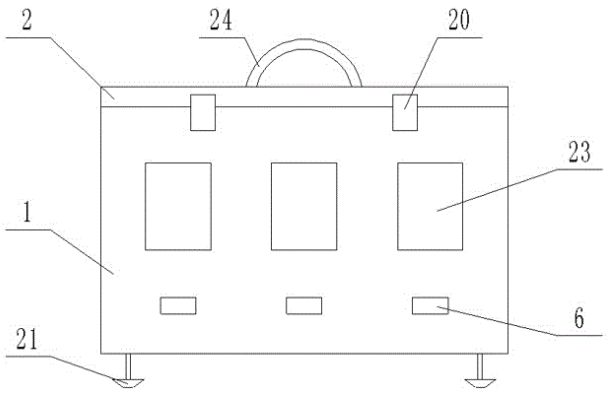


21: 2023/06117. 22: 2023/06/09. 43: 2023/12/01
51: C07K
71: Zhejiang Citrus Research Institute
72: Lu LianMing, Chen GuoQing, Pu ZhanXu, Liu ShunMin
33: CN 31: 2023105694681 32: 2023-05-19
54: POLYCLONAL ANTIBODY AGAINST OUTER MEMBRANE PROTEIN OF CITRUS HUANGLONGBING PATHOGEN, AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
The present invention belongs to the technical field of genetic engineering, in particular to a polyclonal antibody against an outer membrane protein of citrus Huanglongbing pathogen, and a preparation method and application thereof. The polyclonal antibody against outer membrane protein of citrus Huanglongbing pathogen of the present invention is prepared by injecting a target protein obtained by prokaryotic expression into a white rabbit as immunogen, and is specifically combined with an N-terminal and a C-terminal of the outer membrane protein of the citrus Huanglongbing pathogen separately. The antibody prepared by that present invention has good specificity and high sensitivity, and can be used for detecting samples infected with the citrus Huanglongbing pathogen in the field.



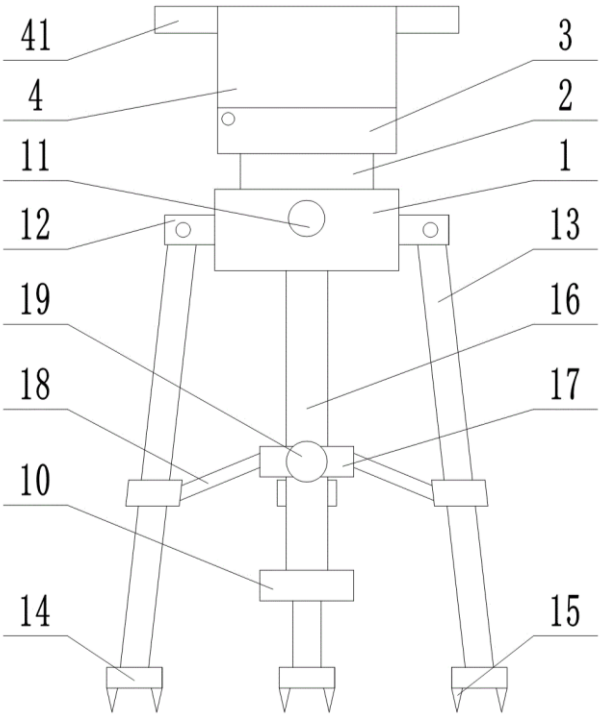
21: 2023/06163. 22: 2023/06/12. 43: 2023/12/07
51: H02J
71: GUIZHOU UNIVERSITY
72: LIN Li, YANG Mingqing
54: PORTABLE OUTDOOR CHARGING DEVICE
00: -
The invention discloses a portable outdoor charging device, which comprises a charging box, where the bottom of the charging box is hinged with a box cover; a plurality of partitions are fixedly installed in the charging box; the partitions sequentially divide the interior of the charging box into a battery compartment, a mounting compartment and a photovoltaic panel storage compartment; a storage battery is placed in the battery compartment; a mounting bracket is fixedly installed in the mounting compartment; a photovoltaic panel is placed in the photovoltaic panel storage compartment; the

mounting bracket is used for installing the photovoltaic panel; and the photovoltaic panel is connected with the storage battery through a connecting wire; a plurality of charging connectors are fixedly installed on the outer wall of the charging box, and all the charging connectors are electrically connected with the storage battery. According to the invention, the photovoltaic panel is adopted to directly transmit power to the storage battery, and the storage battery charges electronic equipment such as the mobile phone through the charging connector, so that the mobile phone can be charged in time when there is no power, and the safety of outdoor travel is ensured.



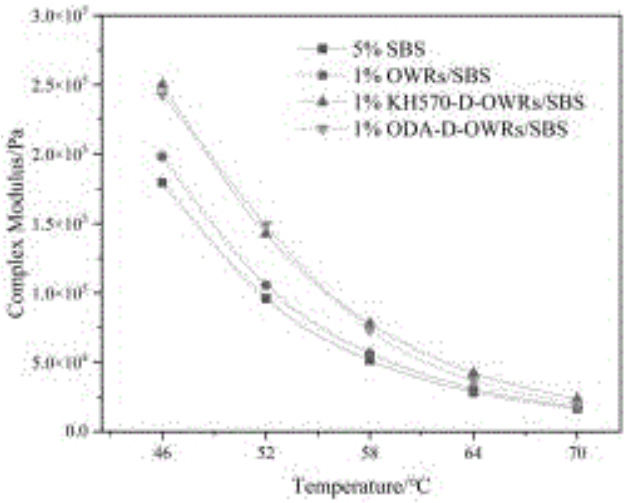
21: 2023/06164. 22: 2023/06/12. 43: 2023/12/07
51: H01M
71: Hunan Shanfeng Vanadium Industry Co., Ltd.
72: XU, Xiaodi, GUO, Dingjun
33: CN 31: 2023102457415 32: 2023-03-15
54: METHOD FOR PREPARING VANADIUM BATTERY ELECTROLYTE BY DISSOLVING WASTE VANADIUM CATALYST WITH SULFURIC ACID
00: -
The present disclosure belongs to the technical field of recovery and reuse of waste vanadium catalysts, and in particular relates to a method for preparing a vanadium battery electrolyte by dissolving a waste vanadium catalyst with sulfuric acid. In the present disclosure, the method includes the following steps: immersing the waste vanadium catalyst in dilute sulfuric acid, and conducting leaching by heating to obtain a vanadium leaching masterbatch; where the dilute sulfuric acid has a mass percentage of less than or equal to 25%, and the leaching by heating is conducted for less than or equal to 2 h; and mixing the vanadium leaching masterbatch with an oxalic acid solution, conducting reduction by heating, and subjecting an obtained reduced masterbatch to solid-liquid separation to obtain the vanadium battery electrolyte; where the vanadium battery electrolyte is a vanadyl sulfate solution.

21: 2023/06165. 22: 2023/06/12. 43: 2023/12/07
51: G01C
71: Anhui Science and Technology University
72: MA Keli, YUAN Chenchen
33: CN 31: 2023105430626 32: 2023-05-15
54: URBAN PLANNING SURVEY DEVICE
00: -
The invention relates to the technical field of surveying, in particular to an urban planning surveying device, which includes a supporting assembly, where a cylinder is rotatably connected to the supporting assembly; one end of the cylinder facing away from the supporting assembly is fixedly connected with a fixed plate; one end of the fixed plate facing away from the cylinder is detachably connected with a shell and a surveying instrument; the surveying instrument is arranged in the shell; one side wall of the shell is slidably connected with a cleaning assembly; the cleaning assembly is detachably connected with the surveying instrument, the cleaning assembly is used for cleaning the surveying instrument; the supporting assembly is used for adjusting the height of the surveying instrument; and the shell is used for covering the surveying instrument. According to the invention, the surveying instrument can be completely covered in rainy days through the detachable shell, so that the surveying instrument can continue to work in rainy days while the surveying instrument is protected. At the same time, through the cleaning assembly arranged on the shell, the front lens of the surveying instrument can be cleaned, so that the front lens of the surveying instruments prevented from being blocked by dust or rain to affect the survey work, and the survey accuracy is effectively improved.



21: 2023/06166. 22: 2023/06/12. 43: 2023/12/07
51: A61K
71: Zhengzhou University of Industry Technology
72: FENG Yali, YIN Weiping, SUN Shuaihao, HU Yifan, HE Haodong, DING Shijie
54: NATURAL SASANGUA CAKE SHAMPOO AND SHOWER GEL FOR CHILDREN AND PREPARATION METHOD THEREOF
00: -
The invention provides a natural sasangua cake shampoo and shower gel for children and a preparation method thereof, and belongs to the technical field of preparation of children's care products. The raw materials include natural tea saponin extract, coconut oil amidopropyl betaine, fatty alcohol polyoxyethylene ether sodium sulfate, glycerol, disodium EDTA, phenoxyethanol and citric acid-sodium citrate buffer solution. The downstream product of tea seed oil extraction, sasangua cake, is "turned waste into treasure" and extracted to obtain natural tea saponin. With its good foaming decontamination and antibacterial properties, the prepared product is natural and mild, skin-friendly and non-irritating, with rich and dense foam, easy washing and fresh smell. It is especially suitable for children with delicate skin, and the preparation method is simple and the raw materials are easily available.

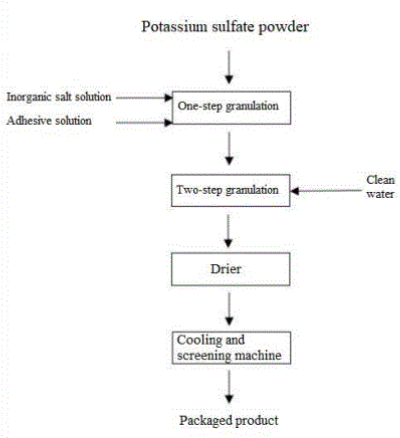
21: 2023/06168. 22: 2023/06/12. 43: 2023/12/07
51: C08K
71: Guangxi Bossco Environmental Protection Technology Co.,Ltd
72: YANG Qifeng, LI Jing, LIN Hongfei, TU Hao, REN Denghui, ZHOU Yuwen, XIA Xingliang, DU Jianjia
33: CN 31: 2022106604423 32: 2022-06-13
54: DOPAMINE-BASED MODIFIED OVERHAUL SLAG, PREPARATION METHOD AND APPLICATION THEREOF
00: -
The invention discloses a dopamine-based modified overhaul slag and a preparation method and application thereof, and belongs to the technical field of green resource recycling of solid waste, including: adhering a poly-dopamine coating on the surface of overhaul slag powder through the self-polymerization reaction of dopamine, and then grafting a functional group with hydrophobic function on the surface of the coating by a chemical grafting method to form a hydrophobic protective layer, thus obtaining the product, namely the dopamine-based modified overhaul slag, where the substance providing hydrophobic functional groups is gamma-methacryloyloxypropyltrimethoxysilane or octadecylamine. This product can be used as a modifier in asphalt pavement to improve the viscoelasticity and deformation resistance of modified asphalt.



21: 2023/06191. 22: 2023/06/12. 43: 2023/12/07

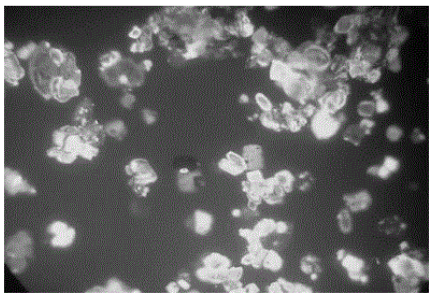
51: C21C
71: North China University of Science and Technology
72: Caijiao Sun, Lukuo Hong, Liqun Ai, Meijie Zhou, Shuai Tong, Shen Zhang
33: CN 31: 2022114697167 32: 2022-11-23
54: MOBILE MOLTEN IRON DESILICONIZING AND DEPHOSPHORIZING METHOD
00: -
Disclosed is a mobile molten iron desiliconizing and dephosphorizing method. The method includes the following steps: step 1: presetting a desiliconizing task in a molten iron runner and a ladle, and inserting a stirring head into the molten iron runner, wherein a powder inlet is formed in a top of the stirring head, a powder outlet is formed in a stirring blade on a lower portion of the stirring head, and a powder channel is communicated between the powder inlet and the powder outlet inside the stirring head, through which oxygen or dedusting ash is sprayed into the molten iron runner for continuous desiliconizing; then removing desiliconized slag from the ladle by slagging off; and step 2: presetting a dephosphorizing task in a transportation process of the ladle, using inert gas as a carrier in a process of transporting the ladle to a converter plant, and spraying, by a bottom blowing system, a dephosphorizing agent into the ladle in the transportation process for continuous dephosphorizing. In the present disclosure, the desiliconizing task is preset in the molten iron runner and the ladle, and part of the dephosphorizing task is preset in the transportation process of the ladle, thereby achieving more compact production flow, saving smelting time and reducing a smelting burden on a converter.

21: 2023/06198. 22: 2023/06/13. 43: 2023/12/07
51: C05G
71: SDIC XINJIANG LUOBUPO POTASH CO.,LTD
72: YANG, Yuming, DONG, Guangfeng, MA, Songliang, XIANG, Xiaocheng, LIU, Zhongjian, WANG, Zhen, WEI, Hongzhen, LU, Liling
33: CN 31: 2022106828570 32: 2022-06-16
54: ROUND GRANULE POTASSIUM SULFATE COMPOSITE MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
The present invention provides a round granule potassium sulfate composite material and a preparation method and an application thereof, and belongs to the technical field of fertilizer production. According to the present invention, a first granular material (potassium sulfate granules, 1 - 2 mm) is prepared by utilizing a stirring granulator or a double-shaft granulator in a closed environment as a nuclear core for two-step granulation. Then the two-step granulation is performed. The granules are amplified to 2 - 4 mm, with the product yield over 80 percent, which is well above the product yield of 50 percent by means of a conventional agglomeration process. The granules feature low moisture and high strength. By means of the combined granulation method, the present invention achieves an effect of rapidly granulating potassium sulfate.



21: 2023/06199. 22: 2023/06/13. 43: 2023/12/07
51: C05D
71: SDIC XINJIANG LUOBUPO POTASH CO., LTD
72: DONG, Guangfeng, MA, Songliang, WANG, Zhen, HUANG, Lixue, WEI, Hongzhen, FANG, Jingrong, XIANG, Xiaocheng
33: CN 31: 2022113154125 32: 2022-10-26
54: METHOD FOR PRODUCING VARIOUS POTASH MAGNESIUM SULFATE FERTILIZER PRODUCTS IN CUSTOMIZED MANNER ACCORDING TO DIFFERENT NUTRIENT REQUIREMENTS
00: -
The present invention provides a method for producing various potash magnesium sulfate fertilizer products in a customized manner according to different nutrient requirements, and belongs to the technical field of fertilizer production. The method includes: providing a mixed solution, wherein the mass percentage of K+ in the mixed solution is 5.7 percent, the mass percentage of Mg2+ in the mixed solution is 3.5 percent, the mass percentage of

SO42- in the mixed solution is 20.5 percent, and the mass percentage of H2O in the mixed solution is 68.2 percent; mixing the mixed solution, potassium sulfate and a magnesium sulfate heptahydrate to obtain a pulp; and performing conversion reaction, solid-liquid separation and drying in sequence on the pulp to obtain the potash magnesium sulfate fertilizer. Through the mixed solution, potassium sulfate and magnesium sulfate are wet-blended.



21: 2023/06200. 22: 2023/06/13. 43: 2023/12/07
51: C07H
71: Shanxi Academy of Forestry and Grassland Sciences
72: ZHANG Caihong, CUI Yaqin, JIA Junfeng, YANG Yanqing, WU Jing, GU Sisi, MA Zhijun, GUO Tengjiao

54: FORMULA OF PLANT-DERIVED ATTRACTANT

00: -

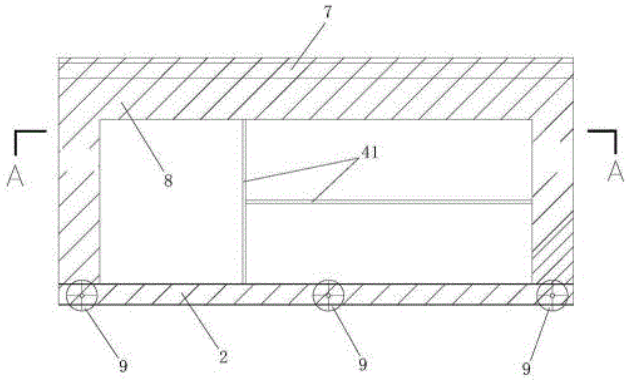
The invention discloses a formula of a plant-derived attractant, which comprises the following steps: step 1, extraction and identification of plant volatiles; step 2, determination of behavioral response; and step 3, field verification. The invention also discloses a formula of plant-derived attractant of Juglans regia, which comprises camphene, eucalyptol, decanal, sugar-induced active components, slow-release components and a solvent. The volatile components of host tree species are used to attract them and kill them after being attracted, which is a green, non-toxic and pollution-free attractant, which can solve a series of problems brought about by chemical control, such as pesticide residues, environmental pollution, high cost and food safety, and overcome the problem of difficult control of walnut borers.

21: 2023/06203. 22: 2023/06/13. 43: 2023/12/07
51: A62C
71: CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD
72: LIU, jin, YANG, jianbing, JIANG, qiang, ZHU, song, SU, yulong, RUAN, xinyu, WANG, lei, LI, zhuyang, ZHANG, ruixia, WANG, xia
33: CN 31: CN202222748693.5 32: 2022-10-18

54: FIRE CABINET

00: -

The present invention discloses a fire cabinet, including a base, a cabinet body, and a ceiling. The cabinet body is located on the base, and the ceiling is located at an upper end of the cabinet body; the base includes a steel I-beam, a base iron sheet that wraps a side of the steel I-beam, and a base steel plate that covers an upper side of the steel I-beam; the cabinet body includes square steel columns and cabinet body square steel, four square steel columns are distributed vertically along a rectangle as a group and two groups are arranged on left and right sides of the base, the cabinet body square steel is vertically and horizontally connected between the two groups of square steel columns to form a cabinet body skeleton aligned with a rear edge of the base, and the horizontal cabinet body square steel extends to the square steel columns and is connected along the rectangle; the cabinet body skeleton and the square steel columns are both wrapped with a cabinet body iron sheet, and the square steel columns are also distributed vertically and horizontally on a front side of the cabinet body skeleton and connected with steel plates to form partition plates; the ceiling includes ceiling square steel, and the ceiling square steel forms a framework and is wrapped with a ceiling iron sheet.



21: 2023/06214. 22: 2023/06/13. 43: 2023/12/07
51: G06T
71: SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES

72: ZHOU, Liang, WU, Tao, ZHANG, Siwen, DHAKA, Arvind, NANDAL, Amita

54: METHOD FOR ENHANCING IMAGE EDGE AND CONTRAST

00: -

A method for enhancing image edge and contrast provided by the present disclosure belongs to the image processing field. The method includes the following steps of: acquiring an original image; extracting a contrast matrix and an edge matrix of the original image; performing MLE (Maximum Likelihood Estimation) on the edge matrix and the contrast matrix respectively, so as to obtain maximum likelihood functions of the contrast matrix and the edge matrix; performing first-order likelihood estimation and second-order likelihood estimation on the maximum likelihood functions of the edge matrix and the contrast matrix respectively; and optimizing the first-order likelihood functions and the second-order likelihood functions of the edge matrix and the contrast matrix by using strong edge and high contract components, so as to obtain an enhanced image. The method provided by the present disclosure improves the quality of the enhanced image.

21: 2023/06233. 22: 2023/06/14. 43: 2023/12/07

51: G01C

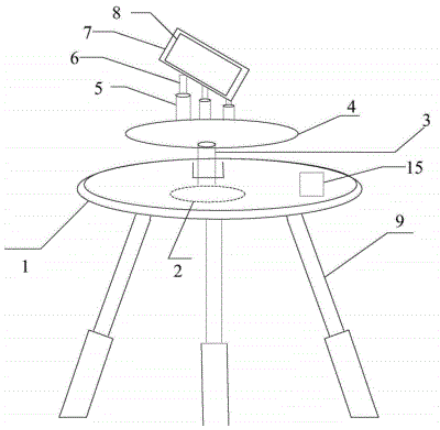
71: North China University of Science and Technology

72: YANG, Jiudong, WU, Fenghua, HOU, Jinliang

54: GEODETIC SURVEY SYSTEM

00: -

Provided is a geodetic survey system, relating to the field of geodetic survey. The geodetic survey system can monitor a target object through a multi-channel radar rangefinder and return a receiving impulse sequence. A digital processing module solves a correlation operation of each receiving impulse sequence and the corresponding sending impulse sequence in turn to obtain correlation values after receiving a plurality of impulse sequences, and a plurality of correlation values are merged, so as to obtain an accumulated correlation value; the accumulated correlation value is subjected to peak detection; when a maximum peak is greater than a threshold, the corresponding time of the maximum peak is obtained, a spatial straight-line distance from the radar rangefinder to a target object is obtained, the accuracy for determining the spatial straight-line distance of the target object is increased in a manner of accumulating the plurality of correlation values.



21: 2023/06234. 22: 2023/06/14. 43: 2023/12/07

51: E01B; E02D

71: China Railway International Group Co., Ltd.

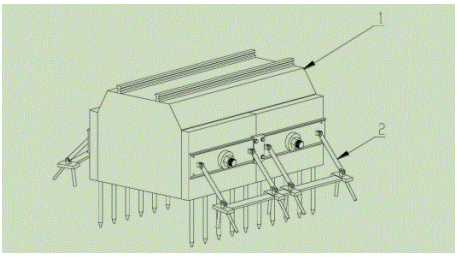
72: JI, Youping, WANG, Linlin

33: CN 31: 2022218756140 32: 2022-07-19

54: PROTECTIVE STRUCTURE FOR RAILWAY SUBGRADE

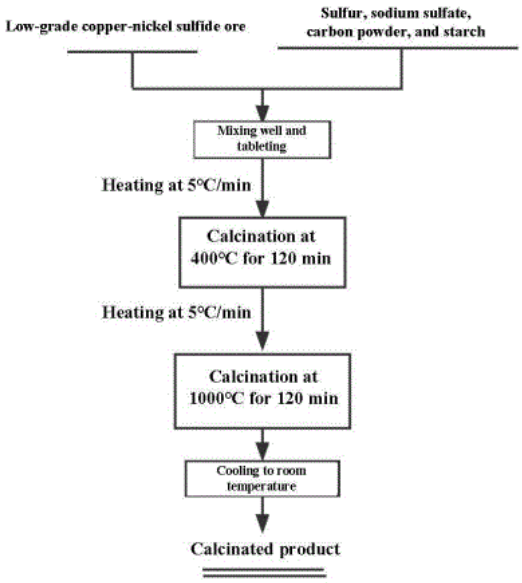
00: -

The present invention provides a protective structure for railway subgrade, which relates to the technical field of railway subgrade. The protective structure includes the subgrade and modular protective walls symmetrically arranged on two side faces of the subgrade, where the modular protective wall includes at least two side plates and an anchoring device, the side plates are arranged on the side faces of the subgrade, and adjacent side plates are fixedly connected. The anchoring device includes at least one bearing platform pile and supporting rods, where the bearing platform piles are arranged outside the subgrade at equal intervals, one end portions of the bearing platform piles are inserted into the ground, the other end portions of the bearing platform piles are fixedly connected to the supporting rods, and the ends, away from the bearing platform piles, of the supporting rods are fixedly connected to the side plates.



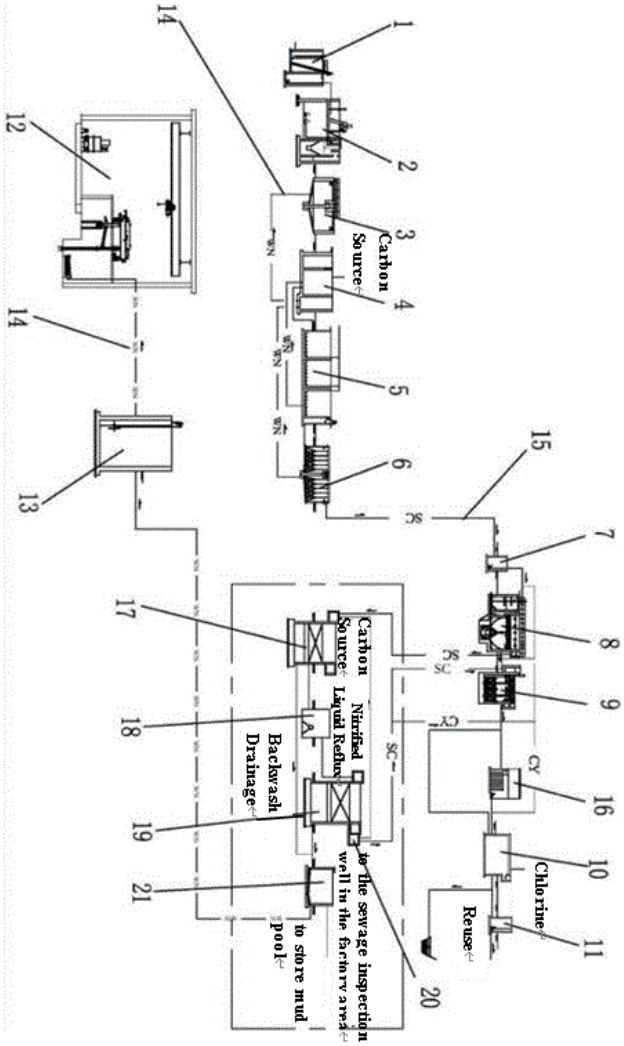
21: 2023/06274. 22: 2023/06/15. 43: 2023/12/07
51: G01N
71: GUIZHOU CENTER FOR DISEASE CONTROL AND PREVENTION
72: PAN, Yuehua, HUANG, Yiyanwen, GUO, Hua, LIAO, Chun, BAO, Xia, BAI, Lishan, XIANYU, Fangming, CHEN, Xudong
54: SAMPLE PRETREATMENT REAGENT IN THE PROCESS OF DETERMINING ARSENIC IN URINE AND METHOD FOR DETERMINING ARSENIC IN URINE
00: -
The present disclosure provides a sample pretreatment digestion liquid in the process of determining arsenic in urine, wherein the digestion liquid comprises a first digestion liquid and a second digestion liquid; the sample pretreatment method using this digestion liquid has the characteristics of simple operation, good stability, high sensitivity, little interference, wide linear range, short duration, low cost, and little environmental pollution, etc.

21: 2023/06275. 22: 2023/06/15. 43: 2023/12/07
51: B29C
71: Lanzhou University of Technology, State Key Laboratory of Nickel and Cobalt Resources Comprehensive Utilization
72: SHEN, Yingying, GUO, Wenbo, LIU, Tianyue, ZHAO, Xianshao, MA, Yutian, CHENG, Shaoyi, LU, Bingang, ZHANG, Peng, SUN, Yuanjun, CHEN, Guoju, ZHANG, Juan, SU, Yujuan, WANG, Yufang, FENG, Yan, CHEN, Qian, LU, Sujun
54: METHOD FOR SULFURIZING LEAN COPPER-NICKEL SULFIDE ORE
00: -
The present invention belongs to the technical field of ore resource utilization, and particularly relates to a method for sulfurizing a lean copper-nickel sulfide ore. In the method, a lean copper-nickel sulfide ore powder, a sulfurizing reagent, a sodium salt, a carbon powder and a binding agent are mixed and tableted, and then subjected to first-stage sulfurizing calcination and second-stage sulfurizing calcination under a protective atmosphere successively, to obtain a lean copper-nickel sulfide ore containing metal sulfide phases; the metal sulfide phases include a copper sulfide phase, a nickel sulfide phase, and a cobalt sulfide phase. In the present invention, sulfuration is conducted in a staged calcination manner such that oxide phases and silicate phases of Ni, Co and Cu in the ore are subjected to sulfuration reaction to generate corresponding sulfides. Ni, Co and Cu have high sulfuration rate.



21: 2023/06276. 22: 2023/06/15. 43: 2023/12/07
51: C02F
71: Nanjing Municipal Design and Research Institute Co., Ltd.
72: KONG Yu, LIAN Peng, SHEN Wei, HE Wei, NIE Zeyu, CHENG Changgen
54: ADVANCED TREATMENT COMBINED FILTER SYSTEM FOR SEWAGE PLANT RECONSTRUCTION
00: -
The present invention relates to the field of sewage treatment technology, in particular to an advanced treatment combined filter system for sewage plant reconstruction, which includes a DN biological filter, a combined lifting pump room, a CN biological filter, and a clean water tank sequentially connected through pipelines or connecting channels. The DN biological filter and the CN biological filter are equipped with a common three-stage air water backwash device, and the CN biological filter is also

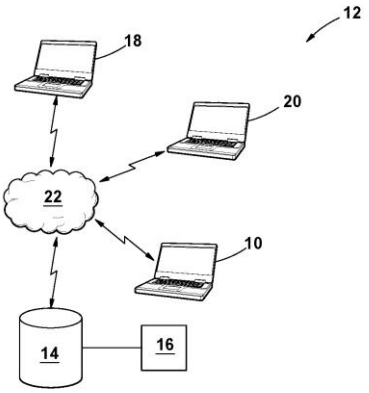
equipped with an aeration device. The top corners of the DN biological filter and the CN biological filter are both fixedly connected to a gas purification device through vertical rods, and the gas purification device is set above the DN biological filter and CN biological filter. The combined denitrification and aeration process adopted by the present invention is particularly suitable for the upgrading of high standard effluent in sewage treatment plants, and has the characteristics of being not easy to block, easy to rinse, low filtration head, strong sewage capacity, high treatment efficiency, and good effluent quality; the present invention not only saves engineering construction investment, but also avoids inconvenience in operation and maintenance due to excessive height of the pool.



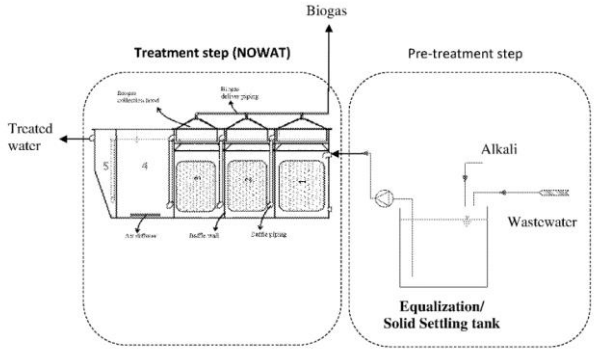
21: 2023/06277. 22: 2023/06/15. 43: 2023/12/07
51: A01C
71: Liaoning Academy of Agricultural Sciences
72: GONG Liang, ZOU Xiaojin, XU Jiayi, YE Xin, BAO Hongjing
33: CN 31: 2023102811787 32: 2023-03-22
54: NEW TYPE OF STABLE FERTILIZER FOR GREENHOUSE GAS EMISSION REDUCTION
00: -
The present invention provides a new type of stable fertilizer for greenhouse gas emission reduction, which relates to the field of fertilizer technology. The raw materials for the stable fertilizer of the present invention include the following quality components: 20-25 parts of coated inorganic fertilizer, 50-65 parts of microbial fertilizer, 1.2-1.5 parts of sulfate, 20-35 parts of anionic polyacrylamide, 40-55 parts of humic acid, 1-2 parts of threonine and 2-3 parts of polyaspartic acid. The present invention ensures fertilizer efficiency and reduces the emission of nitrous oxide through scientific and reasonable fertilizer component design, effectively stabilizing nitrogen, and also has the effect of reducing methane gas emissions, providing a direction for greenhouse gas emission reduction. The present invention also has the characteristic of simple preparation process and high promotion and application value in the agricultural field.

21: 2023/06280. 22: 2023/06/15. 43: 2023/12/08
51: G01F; G08B; G08C
71: ELECTRI - COAL TECHNOLOGIES (PTY) LTD
72: NDLELA, MFANELO S'PHELELE
33: ZA 31: 2022/07455 32: 2022-07-06
54: WASTE MANAGEMENT SYSTEM
00: -
The invention relates to a water management system for a tank. The water management system comprises a sensor arrangement arranged to detect the amount of water in the tank; an operator device; a user device; and a processor and a memory coupled to the processor. The memory contains instructions which are arranged to cause the processor to: receive an indication of the amount of water in the tank; receive, from the user device, a request to either display the amount of water in the tank in real time or request that the water in the water tank to be replenished to a predefined level. Generate a request message and transmit same to the operator device to request for the water to be replenished; and receive, from the operator device,

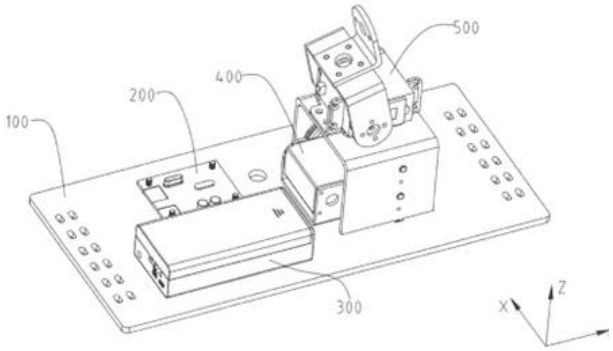
an indication of the acceptance or rejection of the request to replenish the water in the water tank.



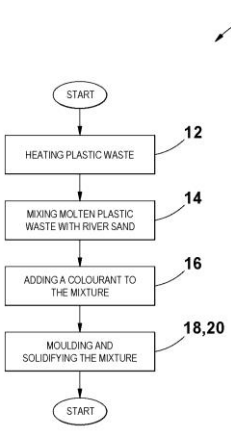
21: 2023/06292. 22: 2023/06/15. 43: 2023/12/07
51: C02F
71: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
72: BHASKARAN, Krishnakumar
33: IN 31: 202011054437 32: 2020-12-14
54: A MODULAR SYSTEM AND METHOD FOR ONSITE WASTEWATER TREATMENT AND RESOURCE RECOVERY
00: -
The present invention discloses a biological wastewater treatment system and its mode of operation that enables onsite treatment of organic wastewater, and simultaneous recovery of resources like bioenergy, reuse quality water, and organic manure. The treatment system uses microbial strains that are hydrolytic bacteria and methanogenic Archaea along with anaerobic protozoa and micro-metazoa. In comparison with the existing onsite wastewater treatment systems, the present invention has many advantages as it has immense application for small establishments like restaurants, catering units, canteens, small communities, houseboats, agro-based MSMEs, etc. and hence this will be a better substitute that will find wide application in many sectors.



21: 2023/06715. 22: 2023/06/30. 43: 2023/11/27
51: B60R
71: GUANGDONG POLYTECHNIC NORMAL UNIVERSITY, GUANGZHOU HONG ZHI MACHINERY CO., LTD
72: YE, Zibo, XU, Wei, LIU, Jian, WU, Min, LIN, Leshu
33: CN 31: 202310595794.X 32: 2023-05-24
54: PAN-TILT FOR INTELLIGENT VEHICLE AND PAN-TILT CONTROLLER
00: -
The invention discloses a pan-tilt for an intelligent vehicle and a pan-tilt controller. The pan-tilt includes a first mounting substrate; a first module, the first module including a first driving member and a first moving member, being fixed on the first mounting substrate and being movable along a Z direction and in transmission connection with the first moving member through a first transmission structure; a second module, including a second driving member, a second moving member and a first connecting member, the second driving member being mounted on the first moving member, and the second moving member and the second driving member being configured such that the second moving member is swingable in a YZ plane, with one end serving as a swinging center under action of the second driving member, the first connecting member being arranged on the second moving member; a control module; and a power supply module.

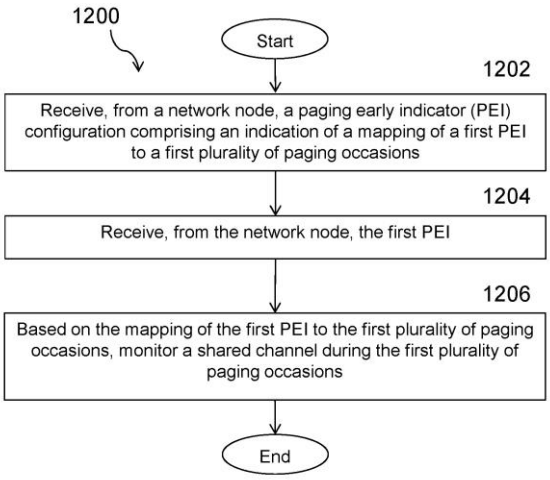


21: 2023/06805. 22: 2023/07/04. 43: 2023/12/08
51: B28B; C04B; E04C
71: KULUHLAZA (PTY) LTD
72: SHUDE, SEKELO EMMANUEL
33: ZA 31: 2022/08119 32: 2022-07-21
54: BRICK COMPOSITION AND METHOD OF MAKING A BRICK COMPRISING THE BRICK COMPOSITION
00: -
The invention relates to a method of producing a brick including mixing sand with molten plastic and moulding the mixture into a desired shape followed by solidifying the mixture, by subjecting the mixture to a solidification process, thus obtaining a brick comprising solidified molten plastic that is mixed with sand.



21: 2023/06854. 22: 2023/07/05. 43: 2023/11/14
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: ANDGART, Niklas, NADER, Ali, MALEKI, Sina, REIAL, Andres, NIMBALKER, Ajit, THANGARASA, Santhan
33: US 31: 63/137,799 32: 2021-01-15

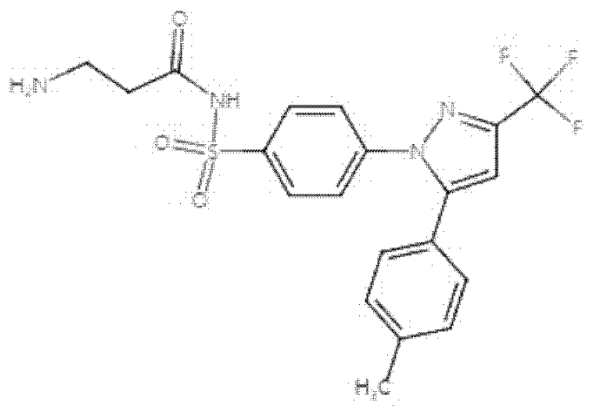
54: MAPPING OF PAGING EARLY INDICATOR TO MULTIPLE PAGING OCCASIONS
00: -
A method (1200) by a wireless device (110) includes receiving (1202), from a network node (160), a paging early indicator, PEI, configuration that includes an indication of a mapping of a PEI to a plurality of paging occasions, POs. The wireless device receives (1204) the PEI from the network node. Based on the mapping of the PEI to the plurality of POs, the wireless device monitors (1206) a shared channel during the plurality of POs.



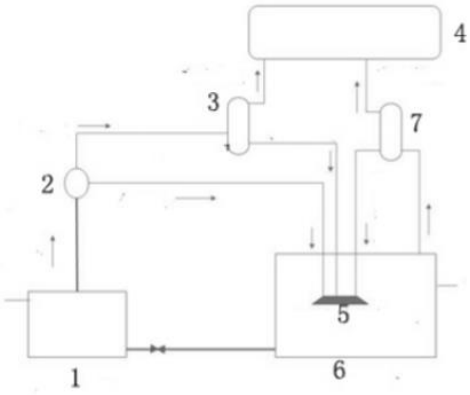
21: 2023/07576. 22: 2023/07/31. 43: 2023/11/16
51: C07C
71: DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES
72: NI, Youming, ZHU, Wenliang, LIU, Zhongmin
54: METHOD FOR PREPARING GLYCOLIC ACID AND METHYL GLYCOLATE THROUGH HYDROLYSIS OF METHYL METHOXYACETATE AND METHOXYACETIC ACID
00: -
The present application discloses a method for preparing glycolic acid and methyl glycolate through hydrolysis of methyl methoxyacetate and methoxyacetic acid. The method includes: allowing raw materials including methyl methoxyacetate, methoxyacetic acid, and water to contact and react with a catalyst to produce glycolic acid and methyl glycolate, where the catalyst is at least one selected from the group consisting of a solid acid catalyst, a liquid acid catalyst, a solid base catalyst, and a liquid base catalyst. The method for preparing glycolic acid and methyl glycolate in the present application can

be implemented by a traditional fixed-bed reactor, tank reactor, or catalytic distillation reactor under an atmospheric pressure, which is very suitable for continuous production. When used in combination with methanol and formaldehyde condensation to prepare dimethoxymethane (DMM) and DMM carbonylation to prepare methyl methoxyacetate, the method in the present application can allow efficient, environmentally-friendly, and economical conversion of methanol (a platform chemical in the coal chemical industry) into glycolic acid and methyl glycolate.

21: 2023/09408. 22: 2023/10/09. 43: 2023/11/02
51: A61K; A61P
71: GUANGZHOU OCUSUN OPHTHALMIC BIOTECHNOLOGY CO., LTD.
72: WANG, Yandong, LIU, Guoqiang, LIU, Wei
33: CN 31: 202110276245.7 32: 2021-03-15
54: PRODRUG OF CELECOXIB, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
00: -
Disclosed are a prodrug of celecoxib represented by formula I, a preparation method therefor and an application thereof. The compound has proper solubility and is relatively stable under storage conditions. Medicine generation experiments show that celecoxib can be detected in eye tissues and is distributed in cornea, conjunctiva and aqueous humor, and the celecoxib achieves a relatively high drug concentration and is an excellent celecoxib prodrug. Moreover, the distribution of control compound SZY1907-P4 is almost not detected, and the concentration of eye drops prepared from the celecoxib in the cornea, conjunctiva and aqueous humor is also relatively low. The compound of formula I has a remarkable absorption advantage, the drug concentration in the eye tissues is remarkably higher than those of a celecoxib group and control group SZY1907-P4, and thus the compound can be prepared into liquid preparations, such as eye drops and injections, for inflammatory reactions.



21: 2023/09739. 22: 2023/10/18. 43: 2023/11/30
51: C12M
71: HENAN AGRICULTURAL UNIVERSITY
72: LI, Yameng, ZHANG, Zhiping, ZHANG, Yang, LU, Chaoyang, JING, Yanyan, ZHANG, Huan, YUE, Jianzhi, JIANG, Danping, ZHANG, Quanguo, ZHANG, Tian
33: CN 31: 202111375268.X 32: 2021-11-19
54: METHOD AND SYSTEM FOR BIOHYDROGEN ALKANE CO-PRODUCING FERMENTATION WITH NEGATIVE CARBONACEOUS EMISSIONS
00: -
A system and method for biohydrogen alkane co-producing fermentation with negative carbonaceous emissions, comprising a combined dark-light hydrogen production device, a hydrogen quality detection system, a hydrogen purification device, a gas collection tank, an ultra-micro bubble nano device, a methane production device, and a methane purification device; the combined dark-light hydrogen production device is an integrated reactor, which is internally provided with a dark fermentation hydrogen production unit and a photosynthetic fermentation hydrogen production unit. Low-quality hydrogen is introduced into the methane producing phase, under the action of methane bacteria, carbon dioxide is reduced to produce methane.

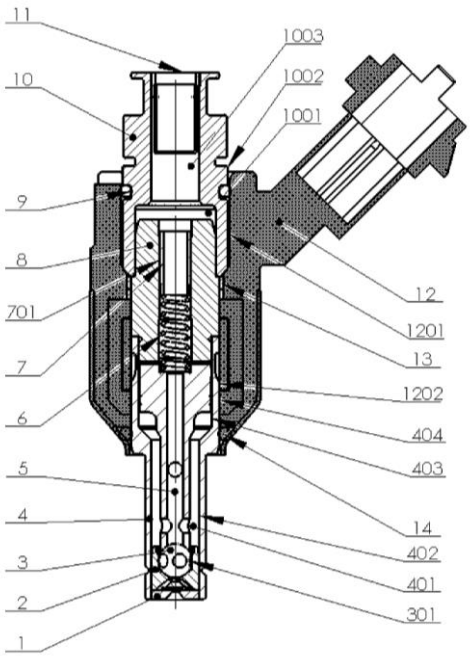


21: 2023/09881. 22: 2023/10/23. 43: 2023/12/05
51: F01N
71: NANYUE FUEL INJECTION SYSTEMS CO., LTD.
72: Lingxiang OUYANG, Chengxiao LI, Fei DENG, Meibiao LONG, Minbei HUANG
33: CN 31: 202110561669.8 32: 2021-05-23

54: TWO-STAGE SWIRL UREA INJECTOR

00: -

The application discloses a two-stage swirl urea injector, including a nozzle body, a valve rod, a valve seat, a nozzle plate, and a steel ball, a plurality of inclined holes are arranged in the valve seat, and a center of each inclined hole is eccentrically arranged relative to a central axis of the valve seat; a lower surface of the valve seat is provided with a plurality of swirl grooves and a swirl hole, and the swirl hole is located in a center of the lower surface of the valve seat and coaxially communicates with a round hole of the nozzle plate; The application has the advantages that the particle size of atomized particles is improved, the flow consistency is improved, the structure is simple and reasonable, manufacturing and assembling are facilitated, and the production cost is low.



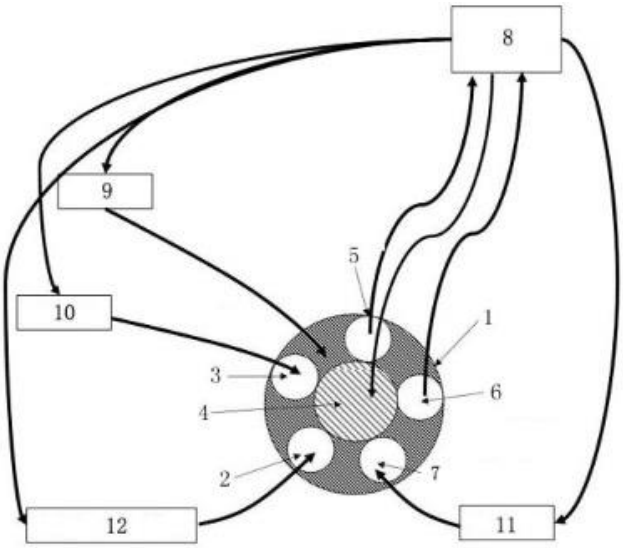
21: 2023/09946. 22: 2023/10/25. 43: 2023/11/30
51: B01F; E21B
71: TAIYUAN UNIVERSITY OF TECHNOLOGY
72: YANG, Mengmeng, YAN, Fazhi, ZHANG, Junyue, ZHANG, Hao
33: CN 31: 202310435021.5 32: 2023-04-21

54: DOWNHOLE PREPARATION DEVICE FOR VISCOELASTIC SURFACTANT FRACTURING FLUID AND METHOD

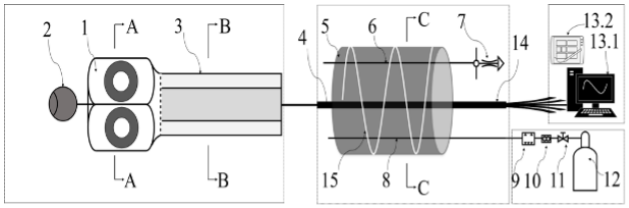
00: -

The present invention belongs to the technical field of unconventional oil and gas development, and particularly relates to a downhole preparation device for viscoelastic surfactant fracturing fluid and method. The device includes a fracturing wellbore. The fracturing wellbore is internally provided with a solid additive pneumatic conveying pipe, a water injection pipe, a stirring pipe, a viscosity sensor line pipe and a pressure sensor line pipe, wherein the solid additive pneumatic conveying pipe conveys a chemical reagent required for preparing fracturing fluid into a fracturing hole; an upper part of the water injection pipe is connected with a water source through a water injection pump, and the water injection pipe conveys clear water to the fracturing hole; the stirring pipe is internally provided with a stirring rod capable of extending out of a bottom of the stirring pipe; a viscosity sensor is arranged at a bottom of the viscosity sensor line pipe; an upper part of the fracturing wellbore is connected with a

nitrogen source through an air pump, the air pump is controlled by the computer, and nitrogen pressurizes the fracturing fluid through the fracturing wellbore; and a pressure sensor is arranged at a bottom of the pressure sensor line pipe, and transmits a measured pressure value back to the computer. The present invention can reduce frictional resistance of a well wall in an injection process of high-viscosity fracturing fluid.



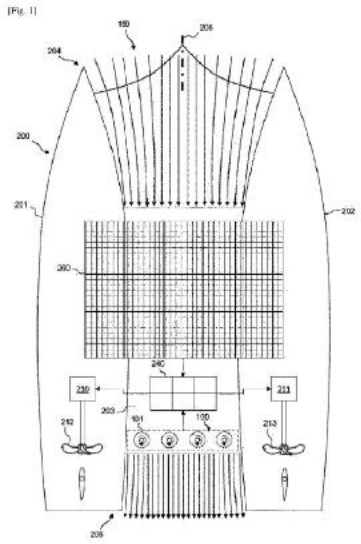
21: 2023/10048. 22: 2023/10/27. 43: 2023/11/30
51: E21B; E21F
71: CHINA ACADEMY OF SAFETY SCIENCE AND TECHNOLOGY
72: CHI, Mingbo, ZHOU, Fubao, GUAN, Lei, HU, Ping, DAI, Chuangchuang
33: CN 31: 202310466648.7 32: 2023-04-27
54: COAL MINE WATER INRUSH PRECURSOR INFORMATION MONITORING AND WARNING DEVICE AND METHOD
00: -
The present disclosure provides a coal mine water inrush precursor information monitoring and warning device and method. The device includes a monitoring probe system, a hole sealing system, a data processing and display system, and an external gas supply and control system. According to the present disclosure, whether a water inrush precursor occurs in a borehole is determined based on data from a monitoring integrated device, and the development positions of fractures in an engineering body and whether the fractures are in communication with a water body are monitored in real time. Plenty of repeated detection work used to be done such as exploratory drilling and geophysical prospecting can be avoided. The device and method are simple to operate, have strong applicability and generalizability, and can be widely used in water inrush monitoring of mines, reservoir dams, tailings dams, tunnels, and so on.



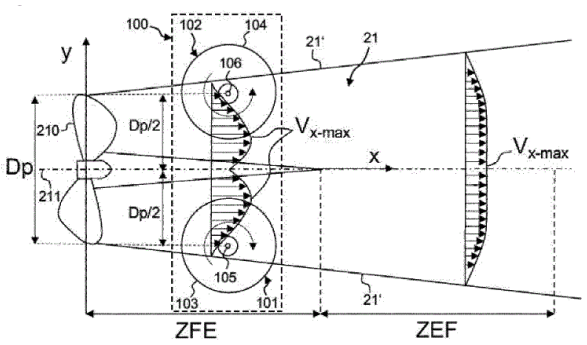
21: 2023/10182. 22: 2023/10/31. 43: 2023/11/30
51: C12N; C12Q
71: BGI GENOMICS CO., LTD.
72: WANG, Yuying, PENG, Jiaxi, SUN, Jianlong, LI, Zhilong, JIANG, Ruijingfang, ZHENG, Jianchao, ZHU, Shida
54: COMPOSITION, KIT, AND APPLICATION FOR DETECTION OF COLORECTAL CANCER
00: -
Provided are a composition, kit, and application for the detection of colorectal cancer. The provided composition contains reagents for detecting methylation status of ADHFE1 gene, PPP2R5C gene, and SDC2 gene. The composition can be used for detecting colorectal cancer with high sensitivity and specificity.

21: 2023/10236. 22: 2023/11/02. 43: 2023/12/05
51: B63B; F03D
71: CURCIO, Mario
72: CURCIO, Mario
33: EP 31: 21020232.1 32: 2021-04-24
54: WIND-POWERED ENERGY GENERATION SYSTEM FOR MULTI-HULL MARINE VESSELS
00: -
The present disclosure refers to a wind-powered energy generation system (100) for a multi-hull marine vessel (200) including at least two hulls (201), (202) and a bridge deck (203) connecting the at least two hulls (201), (202), where the energy generation system (100) included at least one wind turbine (101) located aft under the bridge deck (203) such as to be powered by airflow (150) passing under the bridge deck (203) from bow (204) to stern (205) of the vessel (200). A multi-hull marine vessel (200) including such an energy generation system (100) is herein also disclosed. A method of

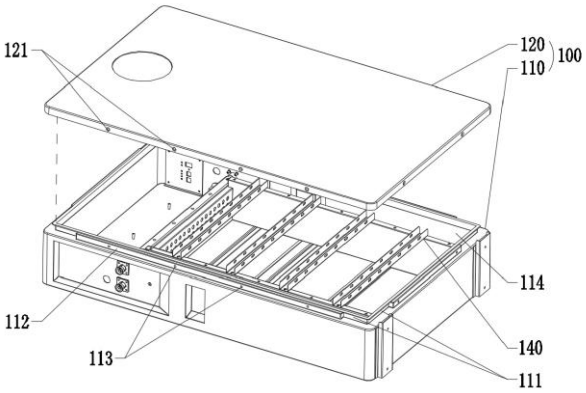
generating energy by wind-power for a multi-hull marine vessel (200) by such energy generation system (100) is herein also disclosed.



21: 2023/10240. 22: 2023/11/02. 43: 2023/12/05
51: B63J
71: CURCIO, Mario
72: CURCIO, Mario
33: EP 31: 21020199.2 32: 2021-04-10
54: ENERGY RECOVERY SYSTEM FOR MARINE VESSELS
00: -
An energy recovery system 100 for a marine vessel 200 is herein disclosed comprising at least one water turbine 101, 102 with vertical axis 105, 106 respectively arranged aft and off center, that is either port side or starboard side, with respect to a rotational axis 211 of a respective propeller but at a distance from the propeller and from the rotational axis of the propeller such as to be at least partially in a wake range 21' of the propeller in order to recover at least part of the dissipated rotational power. A vessel 200 comprising at least one energy recovery system 100 and a method for recovering at least part of the energy dissipated by the marine vessel are herein also disclosed.



21: 2023/10345. 22: 2023/11/07. 43: 2023/11/30
51: H01M
71: SRNE SOLAR CO., LTD
72: LI, Ke, CHEN, Yong
33: CN 31: 202223605238.6 32: 2022-12-29
54: ENERGY STORAGE SYSTEM
00: -
The present application relates to the field of solar power generation, in particular to a case body of an energy storage case and an energy storage case. The case body includes a housing body and a cover plate. An edge of the housing body is provided with an installation groove and a plurality of installation rods, the installation rods are mounted in the installation groove, and a plurality of first installation holes are provided on the installation rods. An edge of the cover plate is provided with a plurality of second installation holes, and the second installation holes are arranged corresponding to the first installation holes. The cover plate and the housing body are connected through fasteners passing through into the second installation holes and the first installation holes. By arranging a reinforcing structure composed of an installation groove and an installation rod on the edge of the housing body.

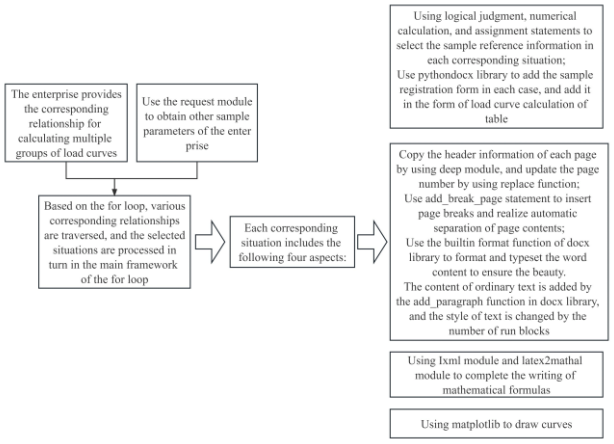


21: 2023/10475. 22: 2023/11/10. 43: 2023/12/05
51: G06Q
71: CATARC Automotive Test Center (Wuhan) Co., Ltd.
72: WANG Xu, WEI Wei, TANG Ke, CHEN Tao, LIU Dongwei, GU Jinxiang, SUN Sihan
33: CN 31: 2022104752026 32: 2022-04-29

54: PYTHON-BASED METHOD FOR AUTOMATICALLY GENERATING LOAD LAYOUT CURVE DOCUMENTS IN BATCHES

00: -

The invention provides a Python-based method for automatically generating load layout curve documents in batches, which specifically comprises the following steps: Step 1, prepare an Excel table containing sample information and the corresponding relationship of the load layout curve, a report to be processed and a record template document; Step 2, build an environment above Python3.0; Step 3, using the request module to obtain the required sample condition parameters; Step 4, reading the information of the Excel table according to the corresponding relationship of the load layout curve; Step 5, processing the sample parameter information in each corresponding situation by using logical judgment, numerical calculation and assignment statements; Step 6, use python-docx module to add the sample registration form in each case, and add it in the form of table; finally, the load layout curve report and record are generated. This method can automatically output the process formula and process curve instead of manual mode, which greatly reduces the workload and the error rate.

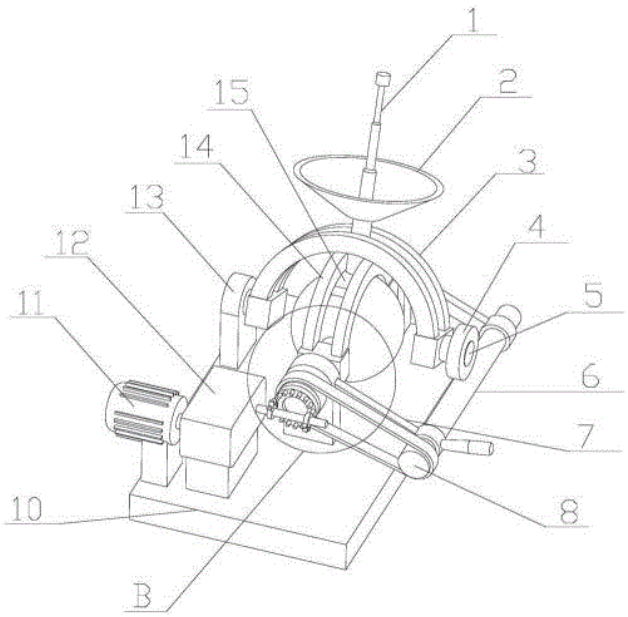


21: 2023/10561. 22: 2023/11/14. 43: 2023/12/05
51: H01Q; H04B
71: Anhui Shendong Biotechnology Development Co., Ltd.
72: LI Bing, ZHAO Yehong, TAO Xinrong
33: CN 31: 2022104209985 32: 2022-04-20

54: SIGNAL TRANSMITTING DEVICE BASED ON MAGNETICALLY CONTROLLED BRAIN OPTICAL FIBER COMMUNICATION SYSTEM

00: -

The invention discloses a signal transmitting device based on a magnetically controlled brain optical fiber communication system, and belongs to the technical field of communication equipment. The signal transmitting device based on a magnetically controlled brain optical fiber communication system includes a base, a spherical signal transmitter body, an antenna, a semi-circular first reversing frame, a semi-circular second reversing frame and a motor. The arc radius of the first reversing frame is smaller than that of the second reversing frame, the base is fixedly connected with a first bracket and a second bracket, both ends of the first reversing frame are fixedly connected with a first rotating shaft, and the first rotating shaft is rotatably connected with the first bracket, and both ends of the second reversing frame are fixedly connected with a second rotating shaft. The signal transmitting device provided by the invention does not need direct manual adjustment when adjusting the signal transmitting angle, and the adjustment precision is high, and the adjustable angle coverage range is wide, thus meeting the requirement of accurate transmitting angle when transmitting magnetically controlled brain optical fiber communication signals.



21: 2023/10663. 22: 2023/11/17. 43: 2023/11/30
51: A61K
71: LONGHORN VACCINES & DIAGNOSTICS, LLC
72: DAUM, Luke T., FISCHER, Gerald W., SEI, Clara J.
33: US 31: 62/971,036 32: 2020-02-06
33: US 31: 62/971,654 32: 2020-02-07
33: US 31: 63/109,966 32: 2020-11-05

54: IMMUNOGENIC COMPOSITIONS TO TREAT AND PREVENT MICROBIAL INFECTIONS

00: -

The invention relates to composite antigens comprising a peptide with contiguous amino acid sequence derived from a plurality of antigenic epitopes of one or more pathogens that induces an immune response in a mammal that is protective against infection by the one or more pathogens. In addition. The invention also relates to antibodies to composite antigens of the invention and to methods of administering vaccines comprising antigens or vaccines of antibodies for treating and/or preventing an infection.

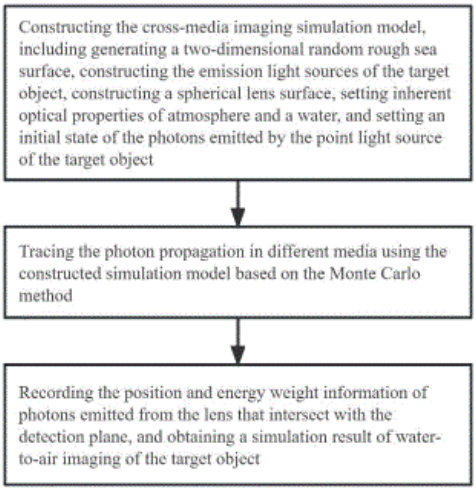
FLU VACCINE PROJECT LH/ FLU PROJECT N ANIMAL STUDY NUMBER	FLU VACCINE PROJECT LH/ FLU PROJECT N ANIMAL STUDY NUMBER	PEPTIDE CONJUGATES IN ICR MICE VACCINE AND THERAPEUTIC APPROACHES FEMALE ICR MICE: 24 MICE WITH 3 PER GROUP	GROUPS	ANIMAL TAG ID N = 24	ADJUVANT
LH/N: FLU PEP11 + (TT T-CELL EPITOPE) CONJUGATED (MOS779.PEP63 @450ug/mL)	LH/N: FLUVAC 005.A 2020	GROUP 8 **PEP 63 - CRM-CONJUGATED**: DOSE (**20ug**) - SQ FLU PEP11 + TETANUS T-CELL EPITOPE IN C-TERMINUS		2136 2137 2138	ADDAVAX
	LH/N: FLUVAC 005.B 2020	GROUP 9 **PEP 63 - CRM-CONJUGATED**: DOSE (**2.5ug**) - SQ FLU PEP11 + TETANUS T-CELL EPITOPE IN C-TERMINUS		2139 2140 2141	ADDAVAX
LH/N: FLU PEP11 + (TT T-CELL EPITOPE) CONJUGATED (MOS780.PEP64 @400ug/mL)	LH/N: FLUVAC 005.C 2020	GROUP 10 **PEP 64 - CRM-CONJUGATED**: DOSE (**20ug**) - SQ FLU PEP11 + TETANUS T-CELL EPITOPE IN N-TERMINUS		2142 2143 2144	ADDAVAX
	LH/N: FLUVAC 005.D 2020	GROUP 11 **PEP 64 - CRM-CONJUGATED**: DOSE (**2.5ug**) - SQ FLU PEP11 + TETANUS T-CELL EPITOPE IN N-TERMINUS		2145 2146 2147	ADDAVAX
LH/N: FLU PEP11 + (TT T-CELL EPITOPE) UNCONJUGATED (PEP63 @500ug/mL)	LH/N: FLUVAC 005.E 2020	GROUP 12 **PEP 63 - UNCONJUGATED**: DOSE (**20ug**) - SQ FLU PEP11 + TETANUS T-CELL EPITOPE IN C-TERMINUS	DOB: TBC	2148 2149 2150	ADDAVAX
	LH/N: FLUVAC 005.F 2020	GROUP 13 **PEP 63 - UNCONJUGATED**: DOSE (**2.5ug**) - SQ FLU PEP11 + TETANUS T-CELL EPITOPE IN C-TERMINUS		2151 2152 2153	ADDAVAX
LH/N: FLU PEP11 + (TT T-CELL EPITOPE) UNCONJUGATED (PEP64 @1000ug/mL)	LH/N: FLUVAC 005.G 2020	GROUP 14 **PEP 64 - UNCONJUGATED**: DOSE (**20ug**) - SQ FLU PEP11 + TETANUS T-CELL EPITOPE IN N-TERMINUS		2154 2155 2156	ADDAVAX
	LH/N: FLUVAC 005.H 2020	GROUP 15 **PEP 64 - UNCONJUFATED**: DOSE (**2.5ug**) - SQ FLU PEP11 + TETANUS T-CELL EPITOPE IN N-TERMINUS		2157 2158 2159	ADDAVAX

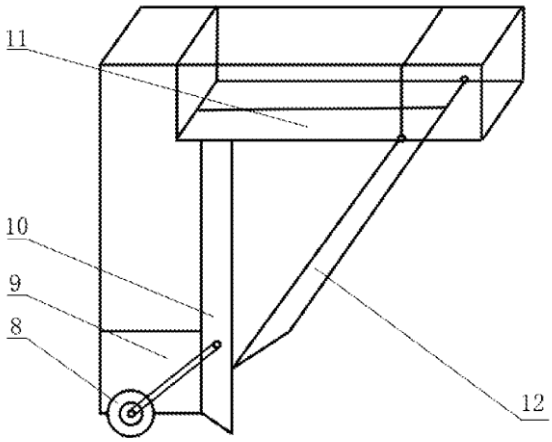
21: 2023/10738. 22: 2023/11/21. 43: 2023/12/05
51: G06F; G06T
71: Ocean University of China
72: SUN, Mengnan, HAN, Qing, FU, Min, MIN, Jian, WU, Guoshuai, ZHENG, Bing
33: CN 31: 202211560313.3 32: 2022-12-07

54: TARGET OBJECT CROSS-MEDIA IMAGING SIMULATION METHOD BASED ON MONTE CARLO

00: -

The present disclosure provides a cross-media imaging simulation based on Monte Carlo method for water-to-air targets. The method includes the steps: first generating a two-dimensional random rough sea surface, constructing the emission light sources of the target object, constructing a spherical lens surface, setting inherent optical properties of atmosphere and water, and setting an initial state of the photons emitted by the point light source of the target object; second, tracing the photon propagation in different media using the constructed simulation model based on the Monte Carlo method, including the physical processes of photon reflection and refraction by the rough sea-air interface; and finally, recording the position and energy weight information of photons emitted from the lens that intersect with the detection plane, and obtaining a simulation result of water-to-air imaging of the target object.





21: 2023/10807. 22: 2023/11/22. 43: 2023/12/01
51: B22C; B33Y
71: NANJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS
72: SHAN, Zhongde, YANG, Haoqin, SHI, Jianpei
33: CN 31: 202110859399.9 32: 2021-07-28

54: INTERLAYER PRE-COOLING APPARATUS FOR SAND MOLD FREEZING PRINTING

00: -

Disclosed is an interlayer pre-cooling apparatus for sand mold freezing printing, comprising a sand-laying apparatus, wherein the sand-laying apparatus is located above a negative pressure low-temperature forming chamber, and the sand-laying apparatus comprises several independent sand-laying grooves, hollow sand-laying rollers, cooling chambers, sand-scraping plates and openable and closable baffles. An openable and closable baffle is rotatably arranged at each sand-laying groove discharge port for use in laying low-temperature premixed sand on demand. The hollow sand-laying rollers and the sand-scraping plates provide cooling to further cool premixed molding sand during the levelling and compaction of low-temperature molding sand. By using the present apparatus for 3D sand mold freezing printing, the low temperature of the premixed molding sand is precisely controllable, which is of great significance for achieving the interlayer pre-cooling of sand mold freezing printing.

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

ADVERTISEMENT OF AN AMENDMENT APPLICATION MADE BY TIMRITE (PTY) LTD AND TUFBAG (PTY) LTD. DURING PENDING PROCEEDINGS BEFORE THE COURT OF THE COMMISSIONER OF PATENTS

Vesper Projects (Pty) Ltd instituted proceedings for a declaration of non-infringement against Timrite (Pty) Ltd of 10 Van der Bijl Street, Westonaria, Gauteng, South Africa, and Tufbag (Pty) Ltd of 21 Mzimkhulu Drive, Dube Trade Port, La Mercy, KwaZulu Natal, South Africa, ("the patentees") in respect of South African Patent No. 2010/06044 entitled "*Yielding Mine Support*" ("the patent").

The patentees have applied to the Court of the Commissioner of Patents to amend the patent in terms of Section 51(9) of the Patents Act No. 57 of 1978

The application for amendment is open for inspection at the Patent Office, Block F Entfutfukweni, 77 Meintjies Street, Sunnyside, Pretoria. Copies can also be obtained on request from the Patent Attorneys for the patentee whose address is set out below.

Any interested person wishing to oppose the application for amendment may join in the amendment proceedings by filing a Notice of Intention to oppose the application for amendment within two months from the date hereof. The further proceedings are to be governed by the provisions of Rule 6 of the Uniform Rules of Court.T

Address for Service in the Republic:
Adams & Adams Attorneys, Lynwood Bridge, 4 Daventry Street, Lynnwood Manor, Pretoria, Reference: PL2333ZA00 D Dohmen. Email: Danie.Dohmen@adams.africa.

the dtic
Department:
Trade, Industry and Competition
REPUBLIC OF SOUTH AFRICA

Private Bag X84, PRETORIA, 0001, the dtic Campus, 77 Meintjies Street, Sunnyside, 0002, Tel: (012) 394 0000
the dtic Customer Contact Centre local: 0861 843 384 International: +27 12 394 9500, www.thedtic.gov.za

NOTIFICATION OF THE PATENT EXAMINATION BOARD IN TERMS OF SECTION 21 OF THE PATENT ACT 1978

PATENT EXAMINATION BOARD

The Patent Examination Board, in terms of Section 21(3)(a)(ix)(bb) of the Patents Act, 1978, has issued certificates to the persons listed below who have passed the prescribed examinations in 2023.

1. Ms Farzana Rassool
2. Ms Nicole Diedericks
3. Ms Claire Gibson-Pienaar

Dr Sheila Mavis Nyatlo
Chairperson
Patent Examination Board
11 December 2023

Chairperson : Dr Thandanani Cwele
Members : Ms Sandra Clelland, Ms Shanaaz Mahomed, Mr Paul Sibisi, Mr Johnny Fiandeiro & MsThandiwe Khumalo
Secretariat : Ms Sheperd Khanyisa Chauke

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)

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgement. **(23)** release date (if applicable). **(DR)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

. - APPLIED ON 2023/11/27 -

A2023/01283 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 12. FRONT GRILLE FOR AN AUTOMOBILE

A2023/01282 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 12. FRONT BUMPER FOR AN AUTOMOBILE

A2023/01281 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 26. FRONT COMBINATION LAMP FOR AN AUTOMOBILE

. - APPLIED ON 2023/11/29 -

F2023/01285 - MANTZIVIS, Lionel, Nicholas Class 21. AN ACCESSORY FOR A GAME BOARD

A2023/01288 - SMEG S.p.A. Class 7. OVENS

A2023/01287 - SMEG S.p.A. Class 10. SCALES

A2023/01286 - OMNI UNITED (S) PTE LTD. Class 12. TIRE TREAD

F2023/01284 - MANTZIVIS, Lionel, Nicholas Class 21. AN ACCESSORY FOR A GAME BOARD

. - APPLIED ON 2023/11/30 -

A2023/01293 - Turlen Holding SA Class 10. PENDANT WATCHES

A2023/01289 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. STAND FOR ELECTRONIC DEVICE

A2023/01290 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. DISC DRIVE

F2023/01292 - LAWNPRO HEAD OFFICE Class 12. MOBILE TRIALERS

A2023/01294 - Turlen Holding SA Class 10. WATCHES

A2023/01295 - LOO AFRIQUE (Pty)Ltd Class 23. WASH BASIN

A2023/01298 - TENTHOUSE STRUCTURES (PTY) LTD Class 21. A ROOF MEMBRANE

A2023/01297 - TENTHOUSE STRUCTURES (PTY) LTD Class 21. A TENTED STRUCTURE

A2023/01296 - LOO AFRIQUE (Pty)Ltd Class 23. URINAL

A2023/01291 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. STAND FOR ELECTRONIC DEVICE

. - APPLIED ON 2023/12/01 -

F2023/01299 - NIEMAN, Renko, NIEMAN, Wilfred Class 13. AN ELECTRICAL PLUG BODY

. - APPLIED ON 2023/12/04 -

A2023/01307 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01308 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. SPOILERS

A2023/01311 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01316 - APPLE INC. Class 14. HEAD-MOUNTED DISPLAY

A2023/01313 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. REARVIEW MIRRORS

A2023/01324 - APPLE INC. Class 13. CABLE

A2023/01329 - APPLE INC. Class 14. CUSHION

A2023/01341 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. ROOFS FOR AUTOMOBILES

A2023/01342 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01344 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01345 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. WHEEL RIMS

A2023/01346 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. DOORS FOR AUTOMOBILES

A2023/01347 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. REARVIEW MIRRORS

A2023/01340 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. SPOILERS

A2023/01343 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01323 - APPLE INC. Class 13. CABLE

A2023/01326 - APPLE INC. Class 14. LIGHT SEAL

A2023/01319 - APPLE INC. Class 14. STRAP

A2023/01320 - APPLE INC. Class 14. STRAP

A2023/01322 - APPLE INC. Class 14. BAND

A2023/01325 - APPLE INC. Class 13. CABLE

A2023/01330 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. DOORS FOR AUTOMOBILES

A2023/01328 - APPLE INC. Class 14. LIGHT SEAL

A2023/01327 - APPLE INC. Class 14. LIGHT SEAL

A2023/01321 - APPLE INC. Class 14. HEAD-MOUNTED DISPLAY

A2023/01318 - APPLE INC. Class 14. BAND

A2023/01317 - APPLE INC. Class 13. BATTERY

A2023/01310 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. WHEEL RIMS

A2023/01309 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. SPOILERS

A2023/01349 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. WHEEL RIMS

A2023/01348 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. DOORS FOR AUTOMOBILES

A2023/01301 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. SPOILERS

A2023/01305 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01302 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. SPOILERS

A2023/01300 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. AUTOMOBILES

A2023/01312 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01304 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01303 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01315 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

A2023/01314 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. DOORS FOR AUTOMOBILES

A2023/01306 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. BODY PANELS FOR AUTOMOBILES

. - APPLIED ON 2023/12/05 -

F2023/01332 - Jaco Jurie Greyling, Jurie Johannes Greyling Class 08. CONVEYOR BELT LIFTER

A2023/01334 - APPLE INC. Class 14. STRAP

A2023/01335 - APPLE INC. Class 14. STRAP

A2023/01337 - Bayerische Motoren Werke Aktiengesellschaft Class 12. MOTOR VEHICLES

F2023/01331 - Jaco Jurie Greyling, Jurie Johannes Greyling Class 08. CONVEYOR BELT LIFTER

A2023/01333 - APPLE INC. Class 14. STRAP

A2023/01336 - APPLE INC. Class 14. STRAP

A2023/01338 - Bayerische Motoren Werke Aktiengesellschaft Class 12. MOTOR VEHICLES

A2023/01339 - Bayerische Motoren Werke Aktiengesellschaft Class 12. MOTOR VEHICLES

. - APPLIED ON 2023/12/06 -

A2023/01351 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2023/01350 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

. - APPLIED ON 2023/12/08 -

A2023/01352 - IMIRACLE (HK) LIMITED Class 23. ELECTRONIC ATOMIZATION DEVICE

F2023/01358 - SHISHIGAS ENERGY (PTY) LTD. Class 10. WEIGHING SCALES

F2023/01353 - Stephan Smith Class 20. DIY-PICKET FENCE IN A BOX/CONTAINER

A2023/01356 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. COVER FOR ELECTRONIC DEVICE

A2023/01355 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. COVER FOR ELECTRONIC DEVICE

A2023/01357 - IMIRACLE (HK) LIMITED Class 23. ELECTRONIC ATOMIZATION DEVICE

A2023/01359 - SHISHIGAS ENERGY (PTY) LTD. Class 10. WEIGHING SCALES

A2023/01360 - IMIRACLE (HK) LIMITED Class 23. ELECTRONIC ATOMIZATION DEVICE

A2023/01354 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. COVER FOR ELECTRONIC DEVICE

. - APPLIED ON 2023/12/11 -

A2023/01361 - Turlen Holding SA Class 10. WATCHES

A2023/01364 - Nthati Tsotetsi Class 11. MOKOROTLO (BASOTHO HAT) PENDANT

A2023/01363 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2023/01362 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

. - APPLIED ON 2023/12/12 -

A2023/01382 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01386 - LG ELECTRONICS INC. Class 14. SUPPORTING ARM FOR A TELEVISION RECEIVER

A2023/01387 - LG ELECTRONICS INC. Class 14. SUPPORTING ARM FOR A TELEVISION RECEIVER

A2023/01370 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01379 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01371 - LG ELECTRONICS INC. Class 14. SPEAKER WITH BATTERY PACK

F2023/01366 - MAMAS TOUCH SLEEPING AIDS (PTY) LTD. Class 2. WEARABLE SLEEPING GARMENT

A2023/01373 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01375 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01383 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01384 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01385 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01388 - LG ELECTRONICS INC. Class 3. CASE FOR A TELEVISION RECEIVER

F2023/01389 - C F W INDUSTRIES PROPRIETARY LIMITED Class 23. FAN BLADES

A2023/01394 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

F2023/01395 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

F2023/01400 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

F2023/01367 - MAMAS TOUCH SLEEPING AIDS (PTY) LTD. Class 2. WEARABLE SLEEPING GARMENT

A2023/01372 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01378 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01391 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

A2023/01377 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01374 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

F2023/01368 - MAMAS TOUCH SLEEPING AIDS (PTY) LTD. Class 2. WEARABLE SLEEPING GARMENT

F2023/01365 - MAMAS TOUCH SLEEPING AIDS (PTY) LTD. Class 2. WEARABLE SLEEPING GARMENT

A2023/01399 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

A2023/01398 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

A2023/01397 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

A2023/01396 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

A2023/01393 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

A2023/01392 - TRENSTAR SA (PTY) LTD Class 09. A CONTAINER

F2023/01390 - C F W INDUSTRIES PROPRIETARY LIMITED Class 23. FAN BLADES

A2023/01369 - LG ELECTRONICS INC. Class 14. SPEAKER WITH BATTERY PACK

A2023/01381 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01380 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

A2023/01376 - LG ELECTRONICS INC. Class 14. TELEVISION RECEIVER

. - APPLIED ON 2023/12/13 -

A2023/01402 - IMPACT RETAIL DISPLAY (PTY) LTD Class 20. COLOUR WALL

F2023/01406 - IMPULSE BIOMEDICAL (PTY) LTD Class 24. AN AUTOINJECTOR

A2023/01404 - IMPACT RETAIL DISPLAY (PTY) LTD Class 20. COLOUR BLOCK

A2023/01401 - CARROL BOYES (PTY) LTD Class 07. CROCKERY PLATE

A2023/01403 - IMPACT RETAIL DISPLAY (PTY) LTD Class 20. CARD HOLDER

A2023/01405 - IMPULSE BIOMEDICAL (PTY) LTD Class 24. AN AUTOINJECTOR

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgement. **(23)** release date (if applicable). **(DR)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

N.B.: Date of registration (DR) is either Date of lodgement (22) or Date of convention of application (32) whichever is the earlier.

CHANGE OF NAME IN TERMS OF REGULATION 24

No records available

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

No records available

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

REPUBLIC OF SOUTH AFRICA

DESIGNS ACT, No. 195 OF 1993

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 26, 27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS NOT YET OPEN FOR PUBLIC INSPECTION.THE PARTICULARS TO BE PUBLISHED SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED

PART I

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS OPEN FOR PUBLIC INSPECTION.THE PARTICULARS TO BE PUBLISHED SHALL BE THOSE SET OUT IN PART II. AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY BE INSPECTED AND MAY BE OPPOSED

PART II

21: A2021/00699 22: 2021-06-14 23:
43: 2020-12-15
52: Class 9 24: Part A
71: Brother Industries, Ltd.
33: JP 31: 2020-026971 32: 2020-12-15
54: PACKAGING
57: The design is applied to a packaging including a parallelepiped body including a rectangular base and roof. Extending between the base and roof are a pair of opposed rectangular sidewalls and a pair of opposed square end walls. A three-dimensional wavy pattern of a series of rounded dots is provided along a face of one of the rectangular sidewalls. A number “421” is superimposed on the pattern proximate on one side of the rectangular sidewall. A rectangular block is provided on the other side of the said rectangular sidewall and is aligned with the 421 number. The rectangular block is superimposed on the three-dimensional pattern and one edge thereof is provided along a portion of an edge of the rectangular sidewall. A square block is superimposed on the square end wall and one edge thereof interfaces with the edge of the rectangular block.

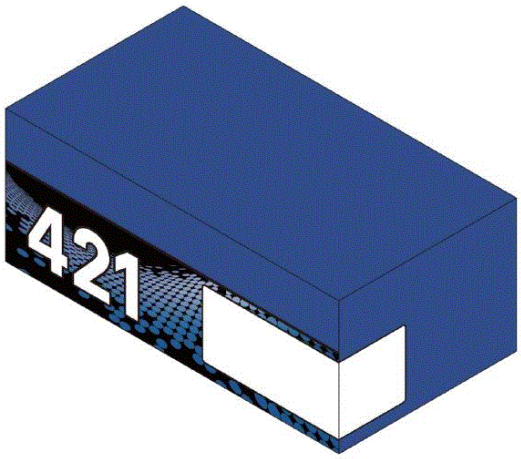


Figure 1

Three-dimensional view

21: A2022/01155 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0008 32: 2022-03-30
54: ICONS
57: The design is for an icon. The icon includes an outer circle and a shaded inner circle. A background of the inner circle is of a first colour. An irregular shape of a second colour is provided in the inner circle and is surrounded by the background of the first colour.

Sole figure

Face-on view

21: A2022/01156 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0009 32: 2022-03-30
54: ICONS
57: The design is for an icon comprising a round border surrounding a round dark element. A white abstract figure is defined in the element, extending downwardly as a channel from an upper right portion of the element, an upper surface inclining outwardly to an elongate curved projection that defines a substantially teardrop-shaped recess at a side of the element. A bottom surface of the element is rectangular.

Sole figure

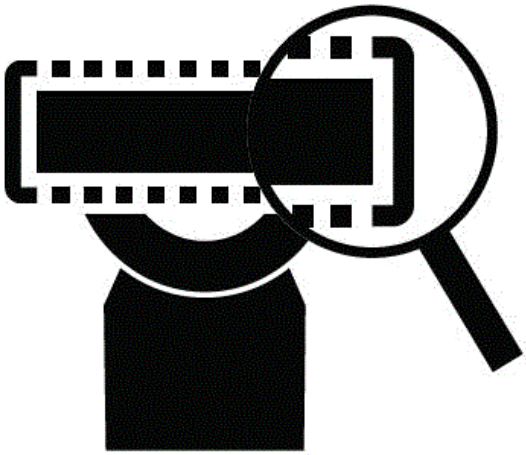
Face-on view

21: A2022/01157 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0010 32: 2022-03-30
54: ICONS
57: The design is for an icon comprising a round border surrounding a round dark element. A white abstract figure is defined in the element, extending downwardly as a V-shaped channel from an upper right portion of the element. The element includes an elongate curved projection that defines a substantially teardrop-shaped recess at a side of the element. A bottom surface of the element is rectangular.

Sole figure

Face-on view

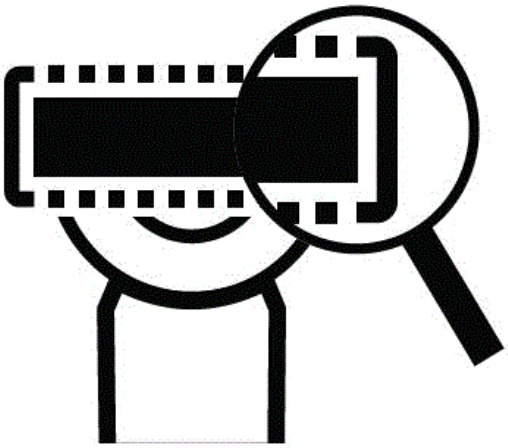
21: A2022/01158 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0011 32: 2022-03-30
54: ICONS
57: The design is for an icon comprising a graphic of a shaver with a rectangular blade surrounded by a rectangular border having upper and lower walls illustrated by broken lines. A semi-circular neck is below the blade, received within a recess defined by a hexagonal body. A magnifying glass is illustrated at a right hand side of the blade and includes a magnified image of a right hand side of the blade and border.



Sole figure

Face-on view

21: A2022/01159 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0012 32: 2022-03-30
54: ICONS
57: The design is for an icon comprising a graphic of a shaver with a rectangular blade surrounded by a rectangular border having upper and lower walls illustrated by broken lines. A semi-circular neck is illustrated below the blade, received within a recess defined by a hexagonal body. A magnifying glass is illustrated at a right hand side of the blade and includes a magnified image of a right hand side of the blade and border.



Sole figure

Face-on view

21: A2022/01160 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0013 32: 2022-03-30
54: ICONS
57: The design is for an icon comprising a graphic of a bearded man, with a blank face and a dark teardrop on one cheek, with hair styled smooth with a single protruding tip, thick outlines of ears, and a beard with a wide U-shaped bottom surface, the beard extending from a curved moustache with a central indentation.

Sole figure

Face-on view

21: A2022/01161 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0014 32: 2022-03-30
54: ICONS
57: The design is for an icon comprising a rectangular border, an upper and lower surface having broken lines with a wide break at a central portion within which a prominent question mark is positioned.

Sole figure

Face-on view

21: A2022/01162 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0015 32: 2022-03-30
54: ICONS
57: The design is for an icon comprising a graphic of a man's face with hair styled with a single spike, a graphic of half of the face including an ear, a cheek and half of a chin. A rectangular graphic with curved corners is positioned above a second half of the face. Within the rectangular graphic is a second ear, broken lines depicting a cheek, a moustache, mouth and half of the chin.

Sole figure

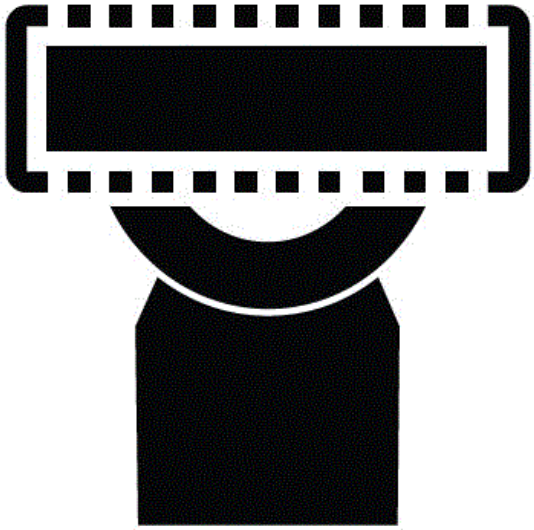
Face-on view

21: A2022/01163 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0016 32: 2022-03-30
54: ICONS
57: The design is for an icon comprising a graphic of a man's face with hair styled with a single spike, a graphic of half of the face including an ear, a cheek and half of a chin. A rectangular graphic with curved corners is positioned above a second half of the face. Within the rectangular graphic is a second ear, half of a prominent curved beard and half of a curved moustache.

Sole figure

Face-on view

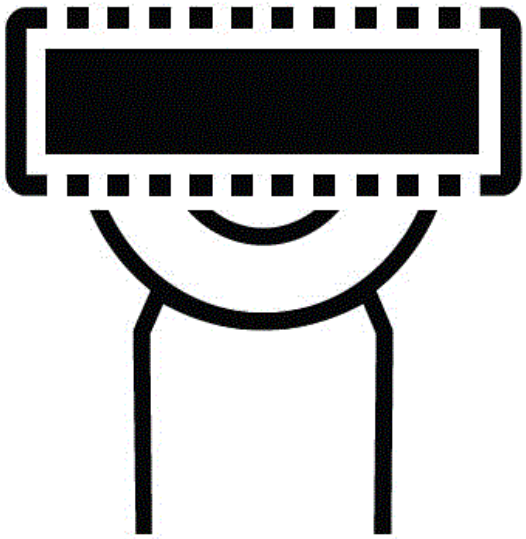
21: A2022/01166 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0001 32: 2022-03-30
54: ICONS
57: The design is for an icon resembling a shaver. The icon includes an upright body, a horizontally arranged shaving head, and a U-shaped neck extending between the body and shaving head. The shaving head comprises a dark horizontal bar surrounded by a border forming a rectangle. The border includes a top and bottom which are in the form of dashed lines and sides which are in the form of solid lines.



Sole figure

Face-on view

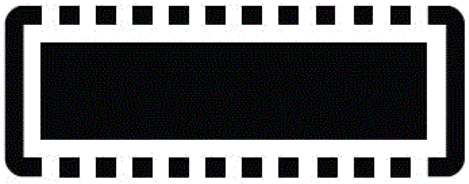
21: A2022/01167 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0002 32: 2022-03-30
54: ICONS
57: The design is for an icon resembling a shaver. The icon includes an upright body, a horizontally arranged shaving head, and a hollow U-shaped neck extending between the body and shaving head. The shaving head comprises a dark horizontal bar surrounded by a border forming a rectangle. The border includes a top and bottom which are in the form of dashed lines and sides which are in the form of solid lines.



Sole figure

Face-on view

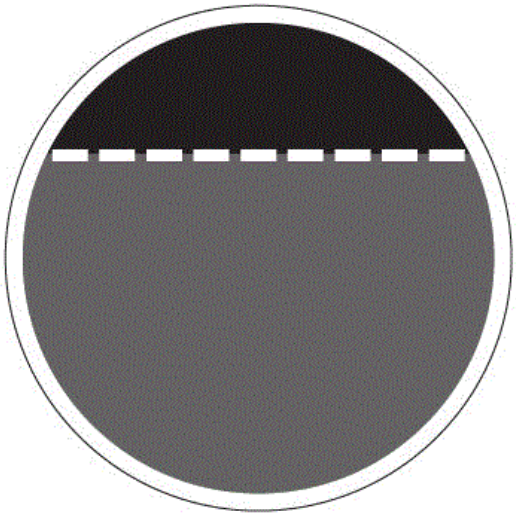
21: A2022/01168 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0003 32: 2022-03-30
54: ICONS
57: The design is for an icon resembling a shaving head. The icon includes a dark rectangular bar surrounded by a border forming a rectangle. The border includes a top and bottom which are in the form of dashed lines and sides which are in the form of solid lines.



Sole figure

Face-on view

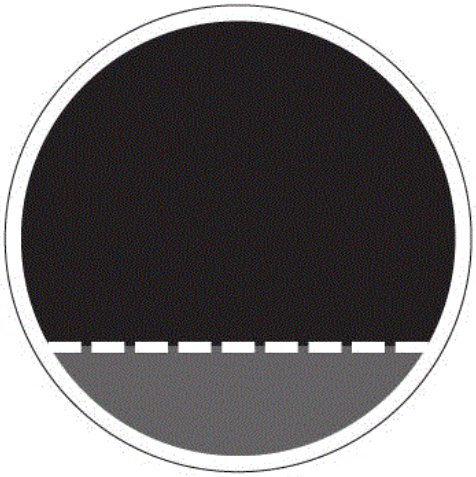
21: A2022/01169 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0004 32: 2022-03-30
54: ICONS
57: The design is for an icon. The icon includes an outer circle and a shaded inner circle. A chord, displayed in dashed lines, intersects the inner circle at an upper portion thereof thereby dividing the inner circle into a major lower segment and a minor upper segment. The major and minor segments may be shaded in first and second colours, respectively.



Sole figure

Face-on view

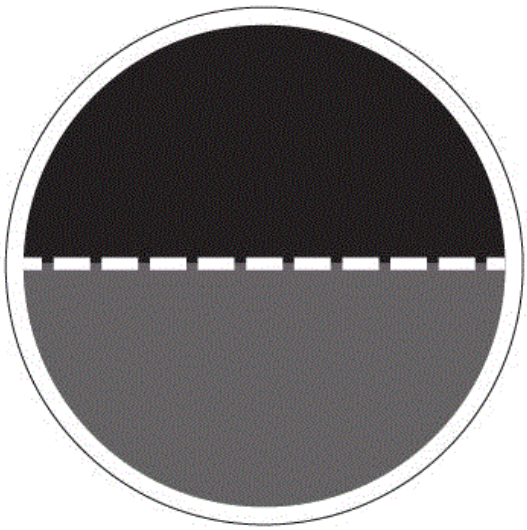
21: A2022/01170 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0005 32: 2022-03-30
54: ICONS
57: The design is for an icon. The icon includes an outer circle and a shaded inner circle. A chord, displayed in dashed lines, intersects the inner circle at a lower portion thereof thereby dividing the inner circle into a major upper segment and a minor lower segment. The major and minor segments may be shaded in first and second colours, respectively.



Sole figure

Face-on view

21: A2022/01171 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0006 32: 2022-03-30
54: ICONS
57: The design is for an icon. The icon includes an outer circle and a shaded inner circle. A chord, displayed in dashed lines, bisects the inner circle at a centre portion thereof thereby dividing the inner circle into an upper segment and a lower segment of equal areas. The upper and lower segments may be shaded in first and second colours, respectively.



Sole figure

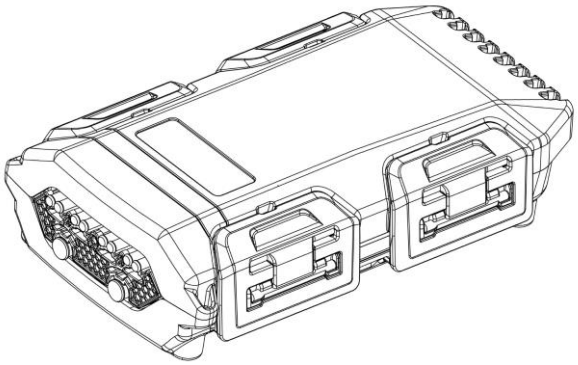
Face-on view

21: A2022/01172 22: 2022-09-29 23:
43: 2022-03-30
52: Class 14 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 008923916-0007 32: 2022-03-30
54: ICONS
57: The design is for an icon. The icon includes an outer circle and a shaded inner circle. A background of the inner circle is of a first colour. An irregular shape of a second colour is provided in the inner circle and is surrounded by the background of the first colour.

Sole figure

Face-on view

21: A2022/01606 22: 2022-12-12 23:
43: 2023-09-12
52: Class 13 24: Part A
71: PIMMS Group (Pty) Ltd
54: CABLE ENCLOSURE
57: The features of the design for which protection is claimed include the shape and/or configuration of the CABLE ENCLOSURE substantially as illustrated in the accompanying representations.



21: A2022/01628 22: 2022-12-13 23:
43: 2022-06-14
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/842,580 32: 2022-06-14
54: STAPLE CARTRIDGES
57: The design is for a staple cartridge. The staple cartridge comprises a substantially elongate cartridge body having a generally rectangular cross-section. A pair of transversely spaced elongate tracks/channels separated by a central elongate track/channel is provided in the cartridge body. Each of the elongate tracks accommodates triangular shaped staples having pointed ends. A front end of the cartridge body has an inclined, generally triangular-shaped upper surface with rounded edges. The sides of the cartridge body are generally rectangular and join substantially rounded triangular sides of the front end. Each of the rounded triangular sides have a generally square-shaped recess with a slanted upper edge. A pair of opposite wings extend laterally outwardly from an upper edge of the cartridge body towards a semi-elliptical rear end of the body. A pair of spaced apart feet are provided on either side of the rear end.

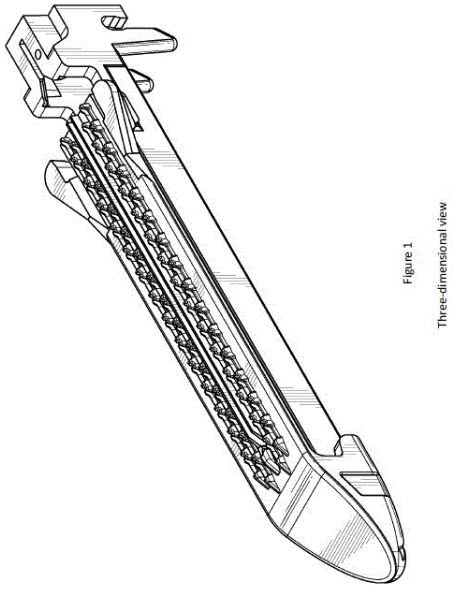
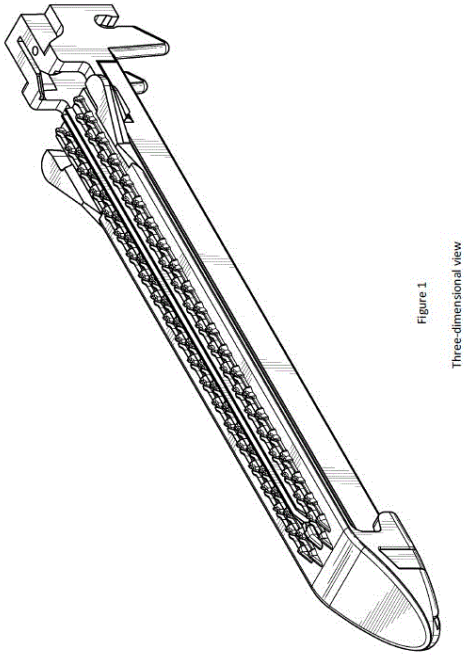


Figure 1

Three-dimensional view

21: A2022/01629 22: 2022-12-13 23:
43: 2022-06-14
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/842,580 32: 2022-06-14
54: STAPLE CARTRIDGES
57: The design is for a staple cartridge. The staple cartridge comprises a substantially elongate cartridge body having a generally rectangular cross-section. A pair of transversely spaced elongate tracks/channels separated by a central elongate track/channel is provided in the cartridge body. Each of the elongate tracks accommodates triangular shaped staples having pointed ends. A front end of the cartridge body has an inclined, generally triangular-shaped upper surface with rounded edges. The sides of the cartridge body are generally rectangular and join substantially rounded triangular

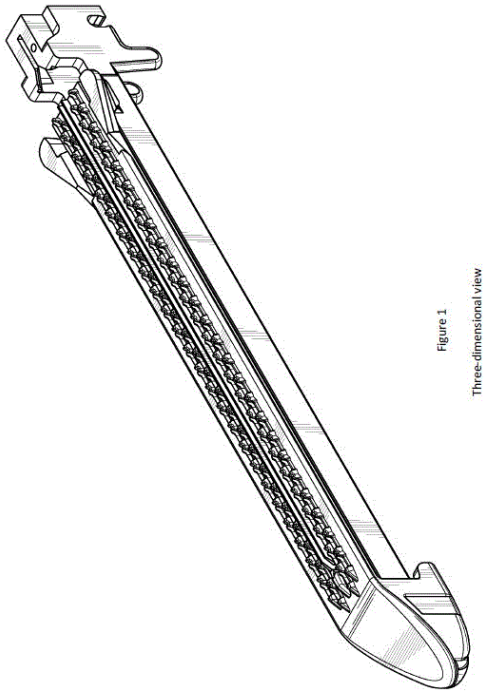
sides of the front end. Each of the rounded triangular sides have a generally square-shaped recess with a slanted upper edge. A pair of opposite wings extend laterally outwardly from an upper edge of the cartridge body towards a semi-elliptical rear end of the body. A pair of spaced apart feet are provided on either side of the rear end.



21: A2022/01630 22: 2022-12-13 23:
43: 2022-06-14
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/842,580 32: 2022-06-14

54: STAPLE CARTRIDGES

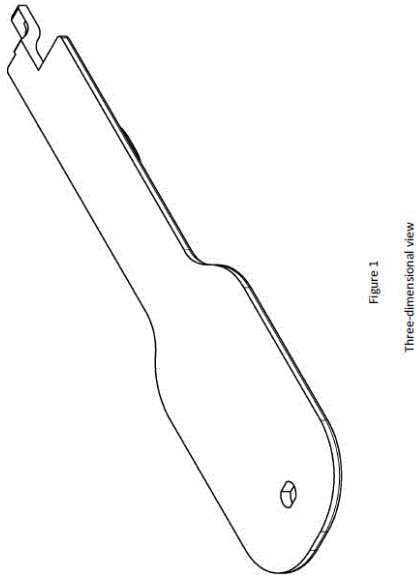
57: The design is for a staple cartridge. The staple cartridge comprises a substantially elongate cartridge body having a generally rectangular cross-section. A pair of transversely spaced elongate tracks/channels separated by a central elongate track/channel is provided in the cartridge body. Each of the elongate tracks accommodates triangular shaped staples having pointed ends. A front end of the cartridge body has an inclined, generally triangular-shaped upper surface with rounded edges. The sides of the cartridge body are generally rectangular and join substantially rounded triangular sides of the front end. Each of the rounded triangular sides have a generally square-shaped recess with a slanted upper edge. A pair of opposite wings extend laterally outwardly from an upper edge of the cartridge body towards a semi-elliptical rear end of the body. A pair of spaced apart feet are provided on either side of the rear end.



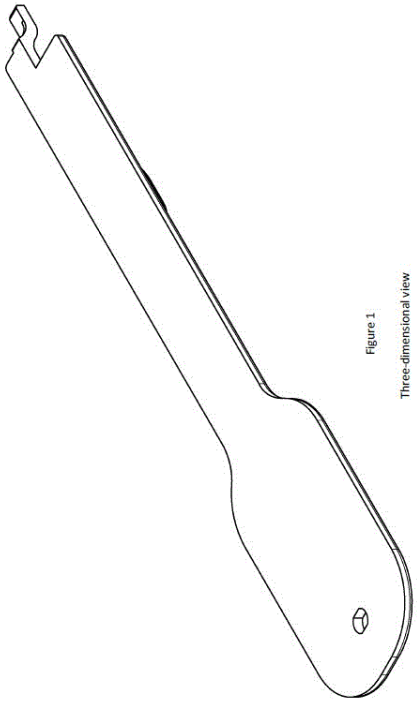
21: A2022/01631 22: 2022-12-13 23:
43: 2022-06-14
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/842,580 32: 2022-06-14

54: RETAINERS FOR STAPLE CARTRIDGES

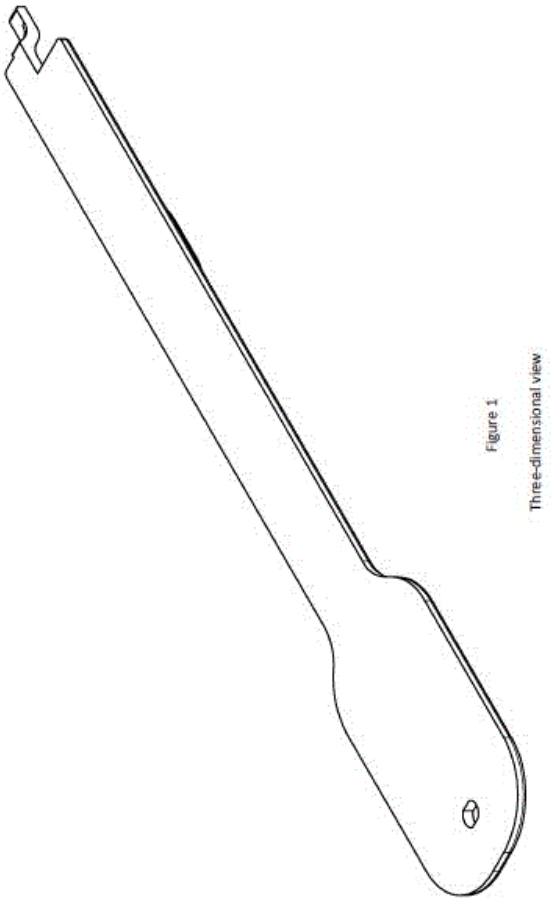
57: The design is for a retainer for a staple cartridge. The retainer has an elongate planar body having an upper side and an underside. The body has a first portion which extends longitudinally inwardly from one end of the body, a second portion which is wider than the first portion, which extends longitudinally inwardly from the other end of the body and a tapered intermediate shoulder portion extending between the first and second portions. A stepped tip protrudes from the one end of the body. A centrally disposed, longitudinally extending elongate rib protrudes from the underside of the body. The rib has longitudinally spaced semi-circular end portions joined by an elongate central portion. A hole extends through the body adjacent to the other end of the body.



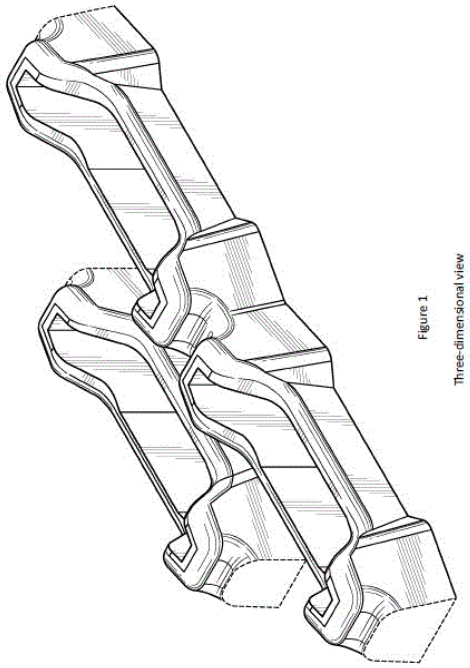
21: A2022/01632 22: 2022-12-13 23:
43: 2022-06-14
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/842,580 32: 2022-06-14
54: RETAINERS FOR STAPLE CARTRIDGES
57: The design is for a retainer for a staple cartridge. The retainer has an elongate planar body having an upper side and an underside. The body has a first portion which extends longitudinally inwardly from one end of the body, a second portion which is wider than the first portion, which extends longitudinally inwardly from the other end of the body and a tapered intermediate shoulder portion extending between the first and second portions. A stepped tip protrudes from the one end of the body. A centrally disposed, longitudinally extending elongate rib protrudes from the underside of the body. The rib has longitudinally spaced semi-circular end portions joined by an elongate central portion. A hole extends through the body adjacent to the other end of the body.



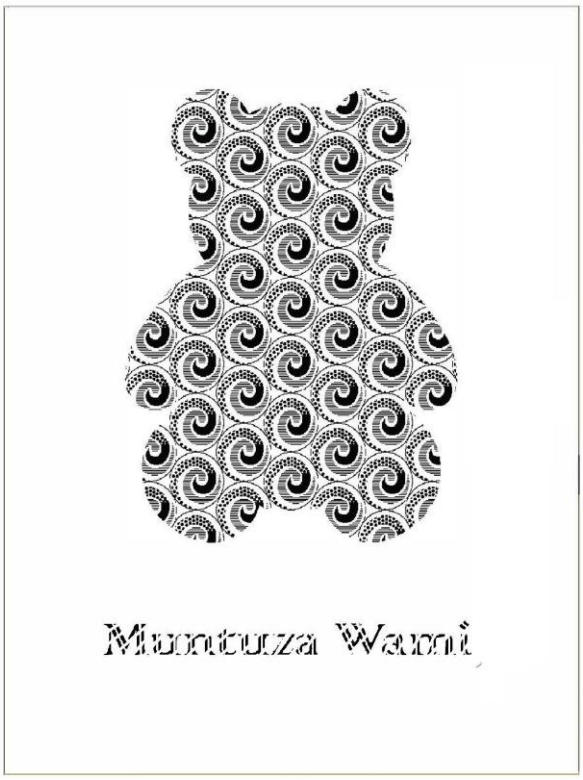
21: A2022/01633 22: 2022-12-13 23:
43: 2022-06-14
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/842,580 32: 2022-06-14
54: RETAINERS FOR STAPLE CARTRIDGES
57: The design is for a retainer for a staple cartridge. The retainer has an elongate planar body having an upper side and an underside. The body has a first portion which extends longitudinally inwardly from one end of the body, a second portion, which is wider than the first portion and which extends longitudinally inwardly from the other end of the body and a tapered intermediate portion extending between the first and second portions. A stepped tip protrudes from the one end of the body. A centrally disposed, longitudinally extending elongate rib protrudes from the underside of the body. The rib has longitudinally spaced semi-circular end portions joined by an elongate central portion. A hole extends through the body adjacent to the other end of the body.



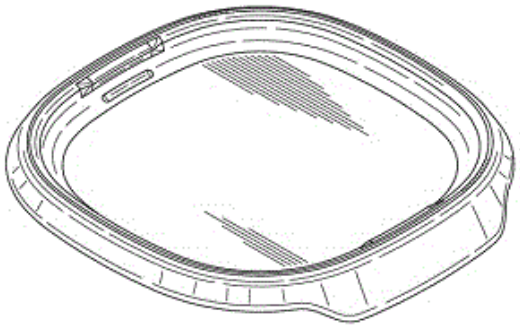
21: A2022/01634 22: 2022-12-13 23:
43: 2022-06-14
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/842,580 32: 2022-06-14
54: STAPLE CARTRIDGES
57: The design is for a staple cartridge. The staple cartridge has a base having irregular edges. Three substantially similar, irregular-shaped elongate cartridge bodies extend upwardly from the base. Each cartridge body defines a cavity/channel. Two of the cartridge bodies are aligned and connected to each other end-to-end and a curved-shaped recess is provided at the connection between the two cartridge bodies. The third cartridge body is spaced laterally from and is longitudinally staggered relative to the two aligned cartridge bodies. Each of the cartridge bodies has a pair of end regions and a central region which extends between the end regions. The central region has a height which is less then the height of the end regions.



21: A2022/01670 22: 2022-12-19 23:
43: 2023-09-12
52: Class 06 24: Part A
71: ThulaSizwe Clothing (Pty) Ltd
54: ARTISTIC MOTIF
57: The features of the design for which protection is claimed include the configuration and/or pattern of the ARTISTIC MOTIF substantially as illustrated in the accompanying representation. The text below the image may contain different words in different fonts and in different languages, in other words, the specific font and specific words as depicted in the representation are disclaimed.

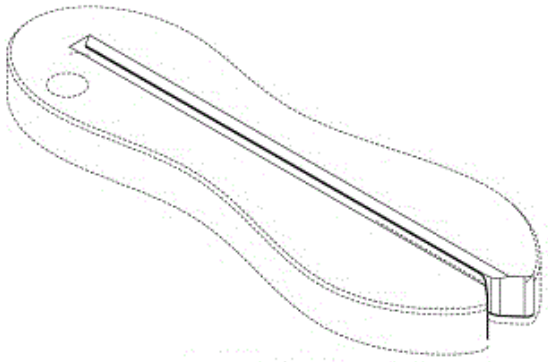


21: A2023/00068 22: 2023-01-13 23:
43: 2023-10-23
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/847,026 32: 2022-07-21
54: Storage Container Seal
57: The design relates to a storage container seal. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP PERSPECTIVE VIEW

21: A2023/00100 22: 2023-01-25 23:
43: 2023-10-23
52: Class 7. 24: Part A
71: JAN DANIEL CILLIERS
54: Gel Extractor
57: The design relates to a gel extractor. The features of the design are those of shape and/or configuration.



TOP, RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00143 22: 2023-02-01 23:
43: 2022-08-01
52: Class 2 24: Part A
71: Crocs, Inc.
33: US 31: 29/865,566 32: 2022-08-01
54: FOOTWEAR
57: The design is for an article of footwear in the form of a slip-on shoe. The footwear has a sole with opposed top and bottom surfaces, a peripheral sidewall, and a vamp connected to the sole. The vamp defines an opening at a toe end and rear end thereof. A plurality of spaced circular openings is provided in the vamp. A peripheral rib extends around an upper edge of the sidewall. The thickness of the sole increases rearwardly from a central region of the shoe. The sole has a noticeably elevated face that has a slight upward inclination towards the front of the footwear. A band of raised formations is provided around the rear opening of the vamp. A band of raised formations is provided on each side of the vamp adjacent to and roughly following the contour of the sole. A plurality of raised formations is provided around a heel portion of the sole.

Figure 1
Three-dimensional view

21: A2023/00144 22: 2023-02-01 23:
43: 2022-08-01
52: Class 2 24: Part A
71: Crocs, Inc.
33: US 31: 29/865,568 32: 2022-08-01
54: FOOTWEAR
57: The design is for an article of footwear in the form of a platform-type slip-on shoe. The footwear has a sole with opposed top and bottom surfaces, a peripheral sidewall, and a vamp connected to the sole. The vamp defines an opening at a rear end thereof. A plurality of spaced circular openings is provided in the vamp. A peripheral rib extends around an upper edge of the sidewall. The thickness of the sole decreases rearwardly in a central region of the shoe and then increases, terminating into a heel. The sole has a slight upward inclination towards the front of the footwear. The sidewalls include a pattern of undulating contoured lines. A plurality of spaced apart roughly trapezium-shaped openings is provided around a toe-end of the shoe.

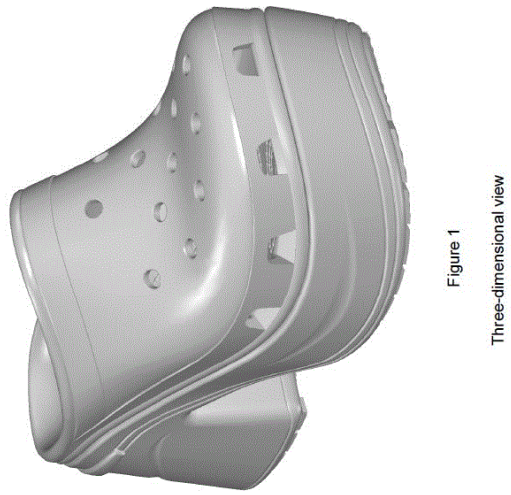
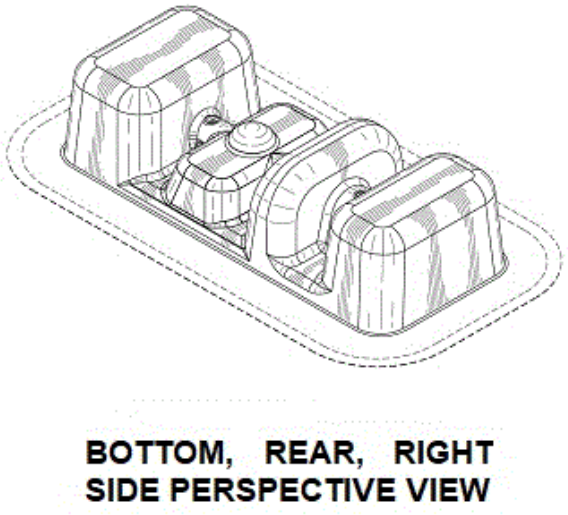


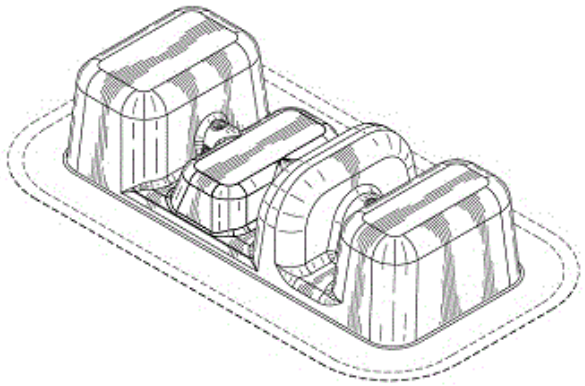
Figure 1
Three-dimensional view

21: A2023/00150 22: 2023-02-02 23:
43: 2023-10-17
52: Class 9. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/851,365 32: 2022-08-26
54: Packaging
57: The design relates to packaging. The features of the design are those of shape and/or configuration and/or ornamentation.



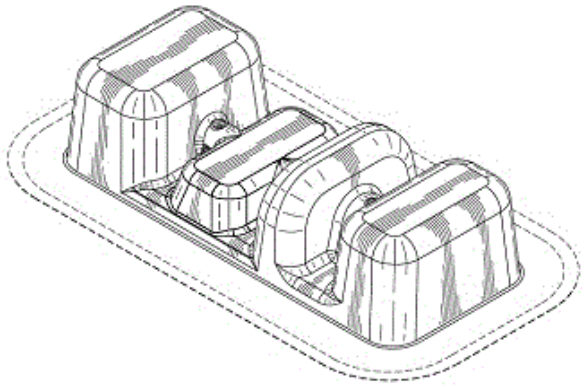
BOTTOM, REAR, RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00151 22: 2023-02-02 23:
43: 2023-10-17
52: Class 9. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/851,364 32: 2022-08-26
54: Packaging
57: The design relates to packaging. The features of the design are those of shape and/or configuration and/or ornamentation.



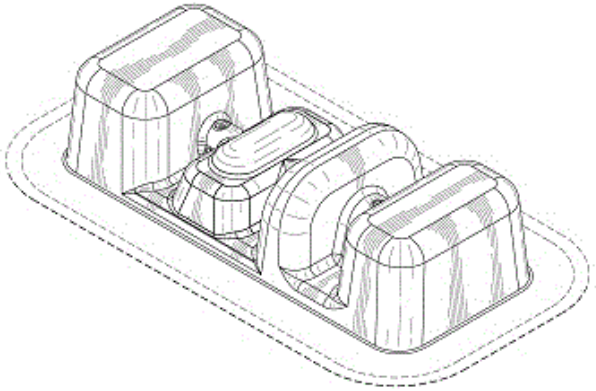
BOTTOM, REAR, RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00152 22: 2023-02-02 23:
43: 2023-10-17
52: Class 9. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/851,361 32: 2022-08-26
54: Packaging
57: The design relates to packaging. The features of the design are those of shape and/or configuration and/or ornamentation.



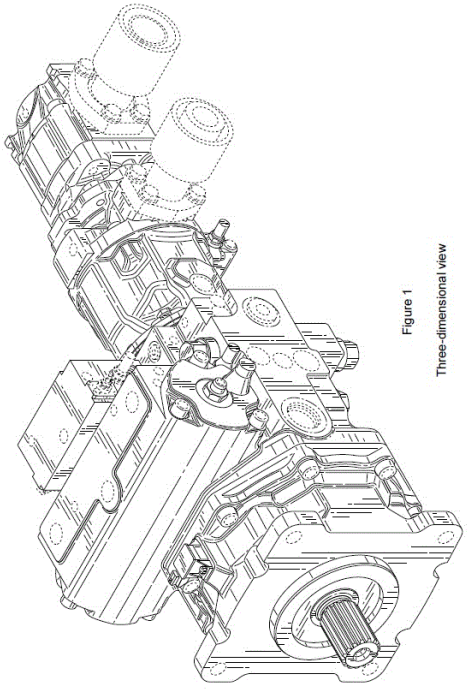
BOTTOM, REAR, RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00153 22: 2023-02-02 23:
43: 2023-10-17
52: Class 9. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/851,365 32: 2022-08-26
54: Packaging
57: The design relates to packaging. The features of the design are those of shape and/or configuration and/or ornamentation.



BOTTOM, REAR, RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00157 22: 2023-02-03 23:
43: 2022-08-04
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/865,615 32: 2022-08-04
54: PUMPS
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 pump which may be used with construction machinery.



21: A2023/00158 22: 2023-02-03 23:
43: 2022-08-04
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/865,615 32: 2022-08-04
54: PUMPS
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 pump which may be used with construction machinery.

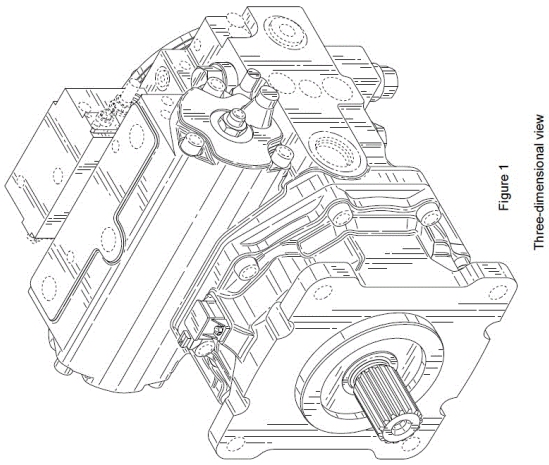


Figure 1
Three-dimensional view

21: A2023/00159 22: 2023-02-03 23:
43: 2022-08-05
52: Class 9 24: Part A
71: Castrol Limited
33: GB 31: 6224473 32: 2022-08-05
54: CONTAINERS
57: The design is for a bottle for lubricants (such as engine oil) substantially as shown in the accompanying representations. The bottle comprises a rectangular body having a base with curved corners, minor front and rear walls spaced apart by a pair of major sidewalls extending upwardly from the base, a shoulder portion projecting upwardly from the walls, and a mouth. The mouth is offset towards a front of the bottle. A prominent handle is defined towards a rear of the bottle and has a rectangular aperture with finger grips. Decorative ridges frame a square label panel and highlight the sidewalls and there are decorative notches below the label panel. Front and rear walls include decorative upright ridges which provide these walls with a rounded profile as they merge with the sidewalls.

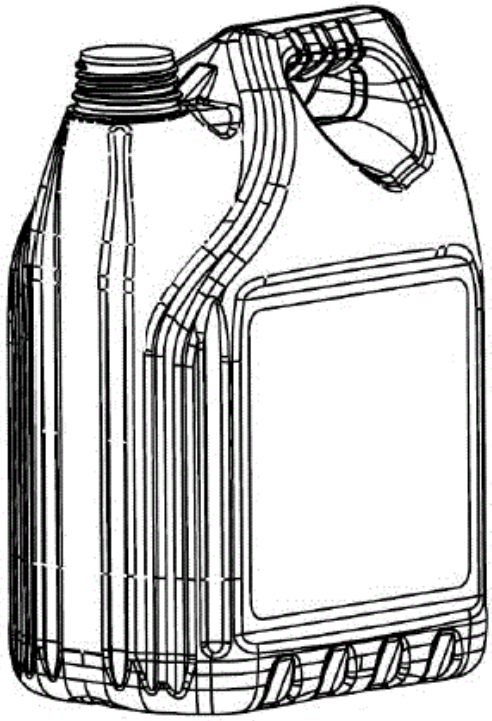


Figure 1

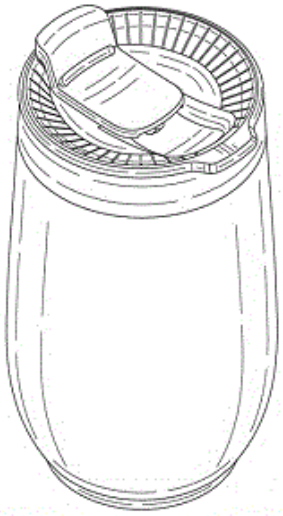
Three-dimensional view

21: A2023/00160 22: 2023-02-03 23:
43: 2022-08-05
52: Class 9 24: Part A
71: Castrol Limited
33: GB 31: 6224474 32: 2022-08-05
54: CONTAINERS
57: The design is for a bottle for lubricants (such as engine oil) substantially as shown in the accompanying representations. The bottle comprises a rectangular body having a base with curved corners, minor front and rear walls spaced apart by a pair of major sidewalls extending upwardly from the base, a shoulder portion projecting upwardly from the walls, and a mouth. The mouth is offset towards a front of the bottle. A prominent handle is defined towards a rear of the bottle and has a rectangular aperture with finger grips. Decorative ridges frame a rectangular label panel and highlight the sidewalls and there are decorative notches below the label panel. Front and rear walls include decorative upright ridges which provide these walls with a rounded profile as they merge with the sidewalls.

Figure 5

Opposite side view

21: A2023/00186 22: 2023-02-13 23:
43: 2023-10-17
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/851,370 32: 2022-08-27
54: Drinking Tumbler with a Cover
57: The design relates to a drinking tumbler with a cover. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



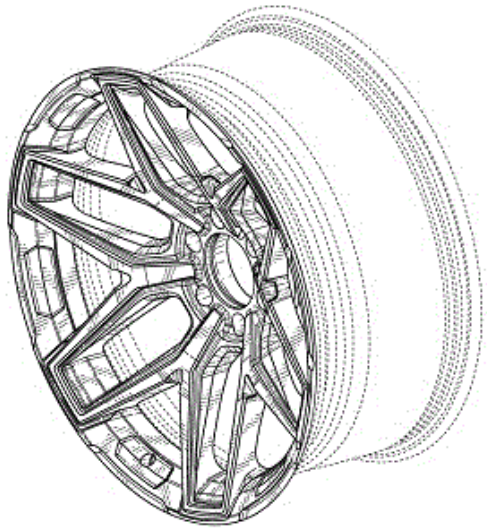
TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00187 22: 2023-02-13 23:
43: 2023-10-17
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/851,370 32: 2022-08-27
54: Drinking Tumbler with a Cover
57: The design relates to a drinking tumbler with a cover. The features of the design are those of shape and/or configuration and/or ornamentation.

TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

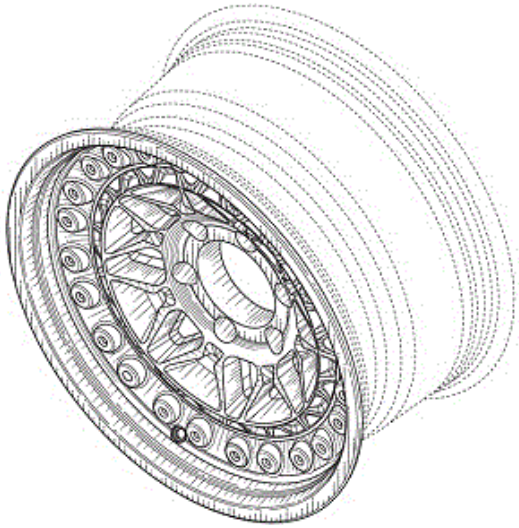
21: A2023/00264 22: 2023-02-23 23:
43: 2023-10-17
52: Class 12. 24: Part A
71: WHEEL PROS, LLC

33: US 31: 29/855,958 32: 2022-10-09
54: Wheel
57: The design relates to a wheel. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



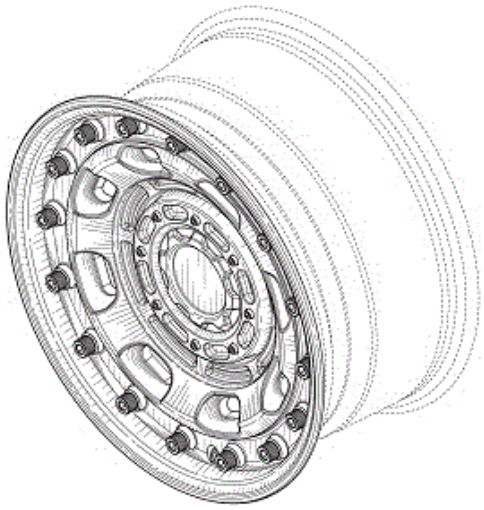
PERSPECTIVE VIEW

21: A2023/00265 22: 2023-02-23 23:
43: 2023-10-17
52: Class 12. 24: Part A
71: WHEEL PROS, LLC
33: US 31: 29/858,059 32: 2022-10-27
54: Wheel
57: The design relates to a wheel. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



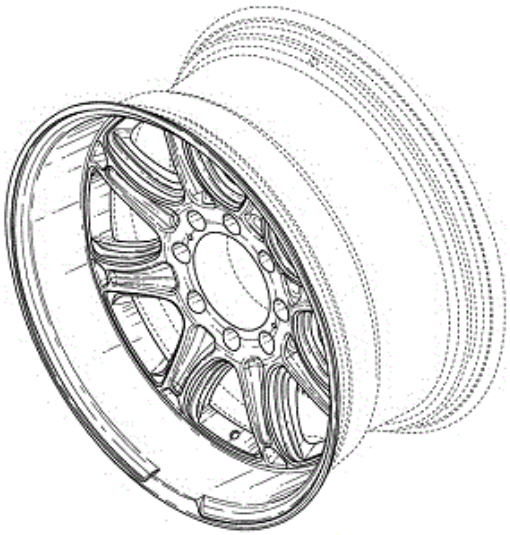
PERSPECTIVE VIEW

21: A2023/00266 22: 2023-02-23 23:
43: 2023-10-17
52: Class 12. 24: Part A
71: WHEEL PROS, LLC
33: US 31: 29/851,972 32: 2022-09-01
54: Wheel
57: The design relates to a wheel. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/00267 22: 2023-02-23 23:
43: 2023-10-17
52: Class 12. 24: Part A
71: WHEEL PROS, LLC
33: US 31: 29/855,372 32: 2022-10-02
54: Wheel
57: The design relates to a wheel. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

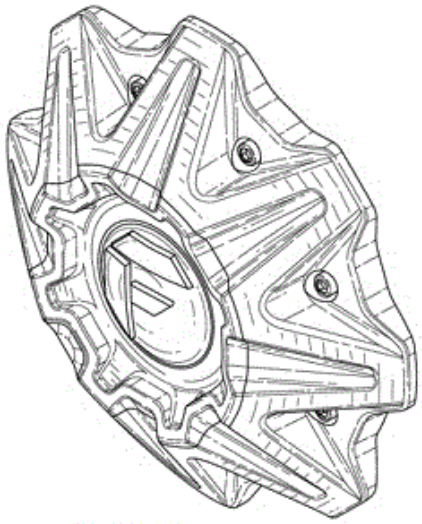


PERSPECTIVE VIEW

21: A2023/00268 22: 2023-02-23 23:
43: 2023-10-17
52: Class 12. 24: Part A
71: WHEEL PROS, LLC
33: US 31: 29/856,231 32: 2022-10-12
54: Wheel
57: The design relates to a wheel. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

PERSPECTIVE VIEW

21: A2023/00269 22: 2023-02-23 23:
43: 2023-10-18
52: Class 12. 24: Part A
71: WHEEL PROS, LLC
33: US 31: 29/855,370 32: 2022-10-02
54: Wheel Cap
57: The design relates to a wheel cap. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/00285 22: 2023-02-27 23:
43: 2022-08-30
52: Class 21 24: Part A
71: The Cashmere Caveman Co, Wild Kitchens Limited
33: GB 31: 6228329 32: 2022-08-30
54: TENTS
57: The design is for a fully retractable tent which may be used in conjunction with a cooking table and/or heating appliance

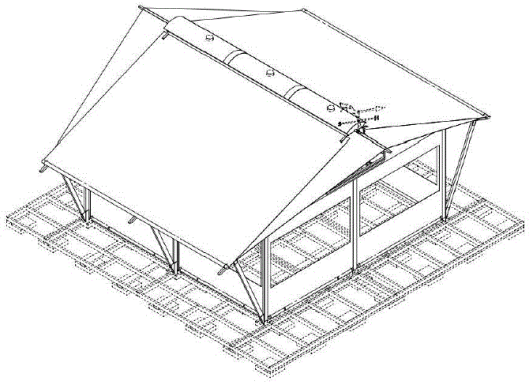


Figure 1

Three-dimensional view

21: A2023/00286 22: 2023-02-27 23:
43: 2022-08-30

52: Class 21 24: Part A
71: The Cashmere Caveman Co, Wild Kitchens Limited
33: GB 31: 6228330 32: 2022-08-30
54: TENTS
57: The design is for a fully retractable tent which may be used in conjunction with a cooking table and/or heating appliance

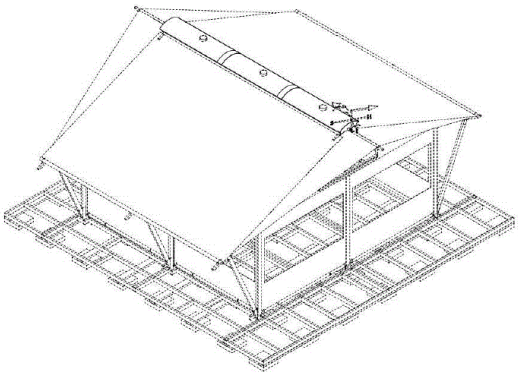


Figure 1

Three-dimensional view

21: A2023/00315 22: 2023-03-01 23:
43: 2023-10-17
52: Class 10 24: Part A
71: AJAX SYSTEMS CYPRUS HOLDINGS LTD
33: WO 31: WIPO128526 32: 2023-02-09
54: SMOKE DETECTORS
57: Protection is claimed for the aesthetic features and/or the configuration of a smoke detector.

21: A2023/00316 22: 2023-03-01 23:
43: 2023-10-17
52: Class 13 24: Part A
71: AJAX SYSTEMS CYPRUS HOLDINGS LTD
33: WO 31: WIPO128567 32: 2023-02-09
54: ELECTRIC SWITCHES
57: Protection is claimed for the aesthetic features and/or the configuration of an electric switch.

21: A2023/00317 22: 2023-03-01 23:
43: 2023-10-17
52: Class 13 24: Part A
71: AJAX SYSTEMS CYPRUS HOLDINGS LTD
33: WO 31: WIPO128566 32: 2023-02-09
54: ELECTRIC SWITCHES
57: Protection is claimed for the aesthetic features and/or the configuration of an electric switch.

21: A2023/00319 22: 2023-03-01 23:
43: 2023-10-17
52: Class 10 24: Part A
71: AJAX SYSTEMS CYPRUS HOLDINGS LTD
33: WO 31: WIPO128546 32: 2023-02-09
54: AIR SENSOR
57: Protection is claimed for the aesthetic features and/or the configuration of an air sensor.

21: A2023/00322 22: 2023-03-02 23:
43: 2022-12-27
52: Class 28 24: Part A

71: Lashify, Inc.
33: US 31: 29/881,074 32: 2022-12-27
54: LASH EXTENSIONS
57: The design is for lash extensions having a first set of spaced apart pairs of upwardly curved strands and a second set of spaced apart pairs of upwardly curved strands extending at incline relative to the first set of spaced apart pairs of upwardly curved strands. Each pair of curved strands terminates in upwardly curved tips. Each of the first set and second set of spaced apart pairs of upwardly curved strands has a repeating pattern of spaced apart pairs of longer upwardly curved strands and shorter upwardly curved strands.

Figure 1

Three-dimensional view

21: A2023/00323 22: 2023-03-02 23:
43: 2022-12-27
52: Class 28 24: Part A
71: Lashify, Inc.
33: US 31: 29/881,074 32: 2022-12-27
54: LASH EXTENSIONS
57: The design is for lash extensions having a first set of spaced apart upwardly curved strands and a second set of spaced apart upwardly curved strands extending at incline relative to the first set of spaced apart upwardly curved strands. Each curved strand terminates in an upwardly curved tip. Each of the first set and second set of spaced apart upwardly curved strands has a repeating pattern of longer curved strands and shorter curved strands.

Figure 1

Three-dimensional view

21: A2023/00324 22: 2023-03-02 23:
43: 2022-12-27
52: Class 28 24: Part A
71: Lashify, Inc.
33: US 31: 29/881,074 32: 2022-12-27
54: LASH EXTENSIONS
57: The design is for lash extensions having a first set of spaced apart pairs of upwardly curved strands and a second set of spaced apart pairs of upwardly curved strands extending at incline relative to the first set of spaced apart pairs of upwardly curved strands. Each pair of curved strands terminates in upwardly curved tips. Each of the first set and second set of spaced apart pairs of upwardly curved strands has a repeating pattern of spaced apart pairs of longer upwardly curved strands and shorter upwardly curved strands.

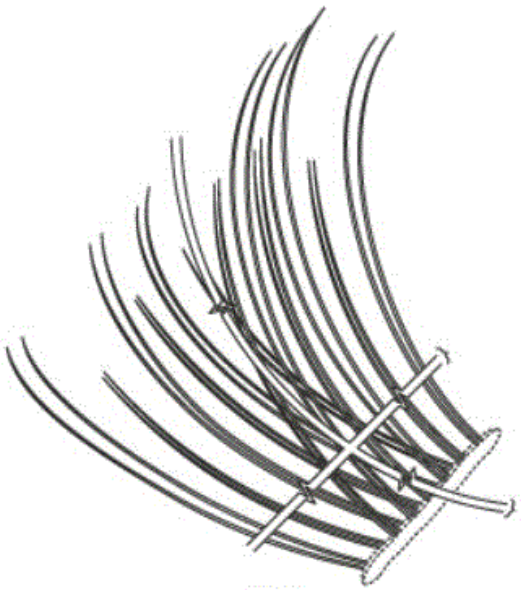
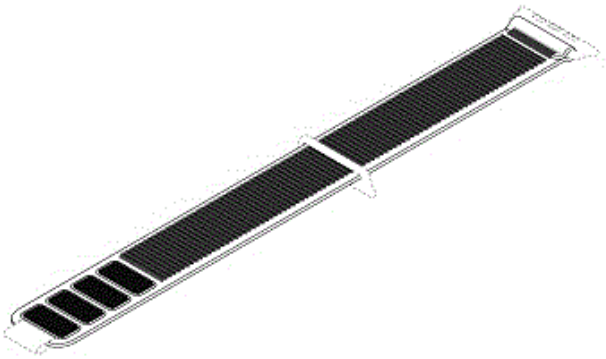


Figure 1

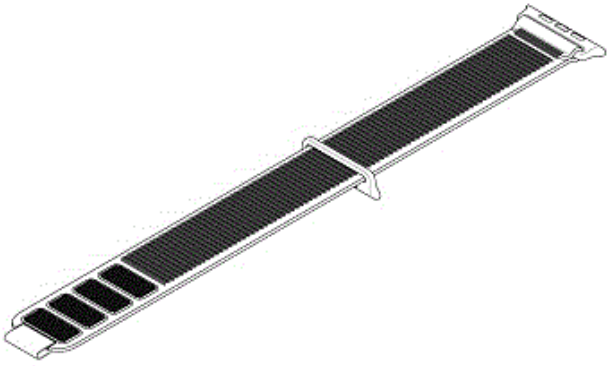
Three-dimensional view

21: A2023/00325 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,152 32: 2022-09-02
54: Band
57: The design relates to a band. The features of the design are those of shape and/or configuration.



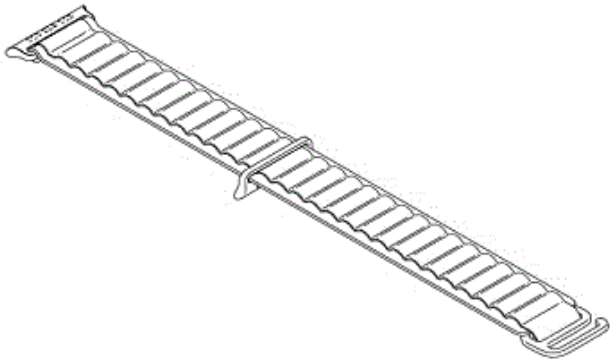
BOTTOM FRONT PERSPECTIVE VIEW

21: A2023/00326 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,152 32: 2022-09-02
54: Band
57: The design relates to a band. The features of the design are those of shape and/or configuration.



BOTTOM FRONT PERSPECTIVE VIEW

21: A2023/00327 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,149 32: 2022-09-02
54: Band
57: The design relates to a band. The features of the design are those of shape and/or configuration.



BOTTOM FRONT PERSPECTIVE VIEW

21: A2023/00328 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,192 32: 2022-09-04
54: Band
57: The design relates to a band. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

FRONT PERSPECTIVE VIEW

21: A2023/00329 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,355 32: 2022-09-06
54: Wearable Device
57: The design relates to a wearable device. The feature of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

FRONT RIGHT PERSPECTIVE VIEW

21: A2023/00330 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,152 32: 2022-09-02
54: Band
57: The design relates to a band. The features of the design are those of shape and/or configuration.

BOTTOM FRONT PERSPECTIVE VIEW

21: A2023/00331 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,193 32: 2022-09-04
54: Wearable Device
57: The design relates to a wearable device. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

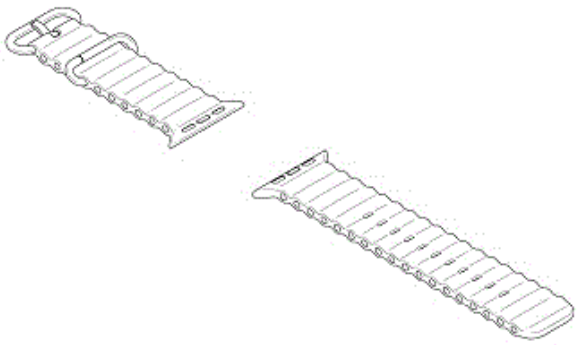
FRONT RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00332 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,356 32: 2022-09-06
54: Band

57: The design relates to a band. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

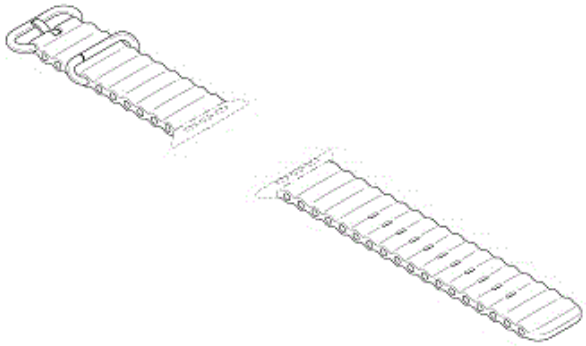
FRONT PERSPECTIVE VIEW

21: A2023/00333 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,078 32: 2022-09-02
54: Band
57: The design relates to a band. The features of the design are those of shape and/or configuration.



BOTTOM FRONT PERSPECTIVE VIEW

21: A2023/00334 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,078 32: 2022-09-02
54: Band
57: The design relates to a band. The features of the design are those of shape and/or configuration.



BOTTOM FRONT PERSPECTIVE VIEW

21: A2023/00335 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,191 32: 2022-09-04
54: Wearable Device
57: The design relates to a wearable device. The features of the design are those of shape and/or configuration and/or ornamentation.

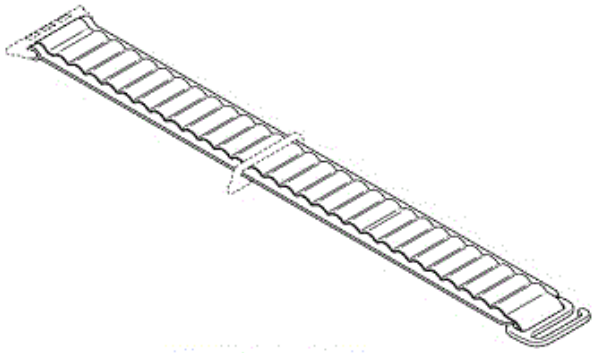
FRONT RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00336 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,354 32: 2022-09-06
54: Band

57: The design relates to a band. The features of the design are those of shape and/or configuration and/or ornamentation.

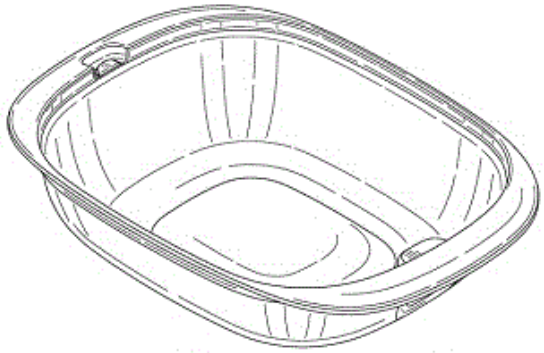
FRONT PERSPECTIVE VIEW

21: A2023/00337 22: 2023-03-02 23:
43: 2023-10-17
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/852,149 32: 2022-09-02
54: Band
57: The design relates to a band. The features of the design are those of shape and/or configuration.



BOTTOM FRONT PERSPECTIVE VIEW

21: A2023/00338 22: 2023-03-06 23:
43: 2023-10-17
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/855,759 32: 2022-10-06
54: Serving Dish
57: The design relates to a serving dish. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00343 22: 2023-03-08 23:
43: 2022-09-09
52: Class 10 24: Part A
71: Turlen Holding SA
33: HSIRID(CH) 31: DM/223863 32: 2022-09-09
54: WATCHES
57: The design is for a watch comprising a tonneau-shaped body which includes a bezel, a middle case portion and a transparent case back. The body curves rearwardly. Each side of the bezel includes a pair of spaced-apart screws. Internal mechanisms are visible from front and rear faces of the watch. A skeletonised plate within the body comprises elements in the shape of a smiley face at a twelve o'clock position, a flower at a one o'clock position, a cocktail glass and umbrella at a one o'clock position, a rainbow and cloud at a four and five o'clock position, a flamingo at a seven o'clock position, a cactus at an eight o'clock position, a pineapple at a nine o'clock position and a sun at an eleven o'clock position. The small second hand is represented with a sun and a lighting to both ends. A fluted crown with a smiley face is located in the middle case portion at the three o'clock position. A rear of the skeletonised plate includes an incomplete star and lightning bolt element.

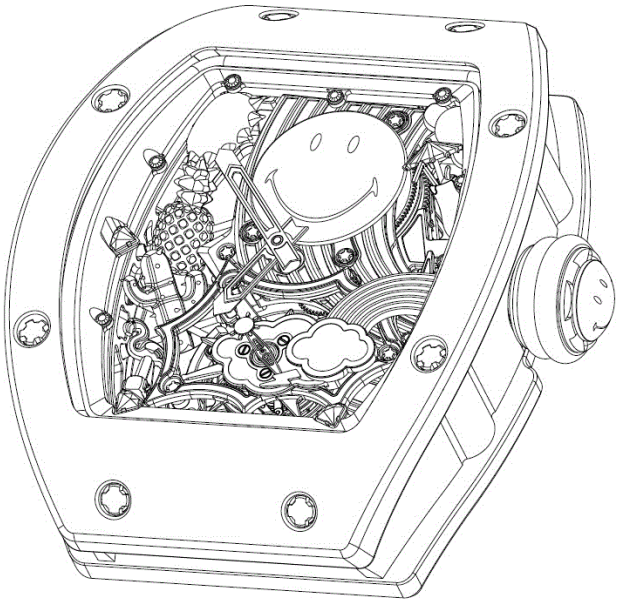


Figure 7

Three-dimensional view

21: A2023/00344 22: 2023-03-08 23:
43: 2022-09-09
52: Class 10 24: Part A
71: Turlen Holding SA
33: HSIRID(CH) 31: DM/223863 32: 2022-09-09
54: WATCH MECHANISMS
57: The design is for watch mechanisms comprising a tonneau-shaped skeletonised plate which includes an upper and rear surface and a middle portion. The plate comprises elements in the shape of a smiley face positioned above a pattern of curved lines at a twelve o'clock position, a flower at a one o'clock position, a cocktail glass and umbrella at a two o'clock position, a rainbow at a three o'clock position, two clouds at a five o'clock and six o'clock position, a flamingo at a seven o'clock position, a cactus at an eight o'clock position, a pineapple at a nine o'clock position and a sun at an eleven o'clock position. An elongate mechanism protrudes from the middle portion at the three o'clock position. A rear of the plate includes a centrally positioned incomplete star and lightning bolt element.

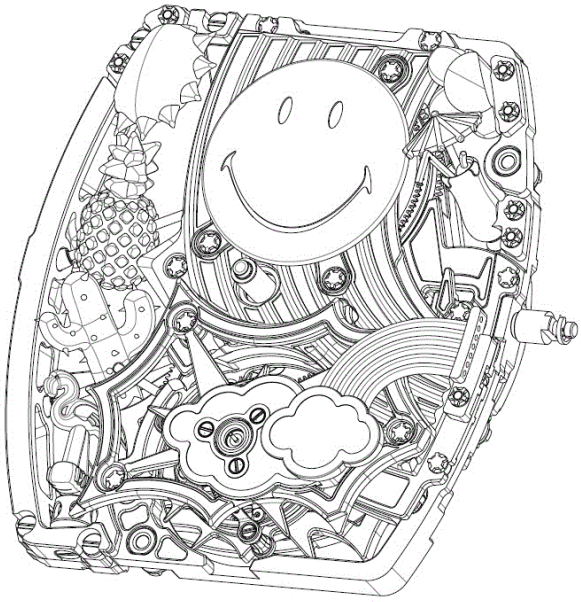
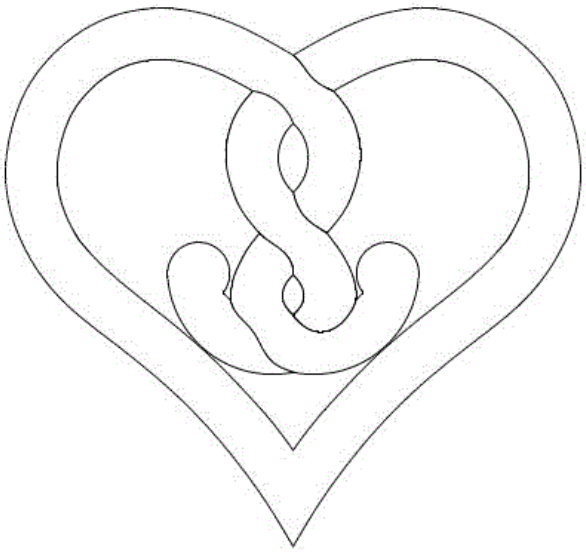


Figure 7

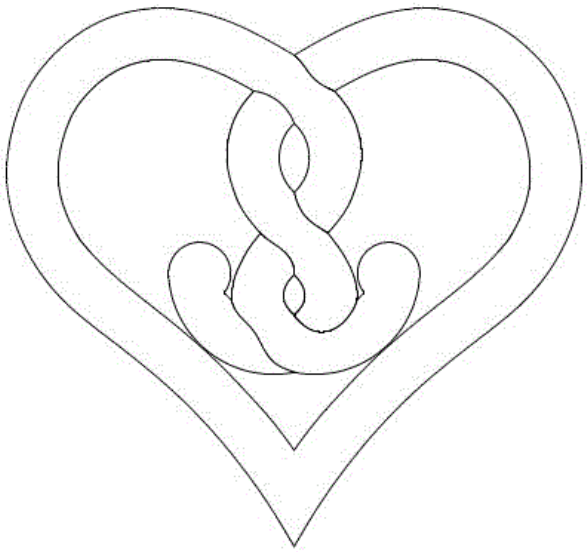
Three-dimensional view

21: A2023/00345 22: 2023-03-08 23: 2023-01-25
43: 2023-01-25
52: Class 2 24: Part A
71: FOSCHINI RETAIL GROUP PROPRIETARY LIMITED
54: Haberdashery and Clothing Accessories
57: The design is applied to a haberdashery or clothing accessory and comprises the shape and/or configuration and/or ornamentation and/or pattern of the design as shown in the accompanying representation.



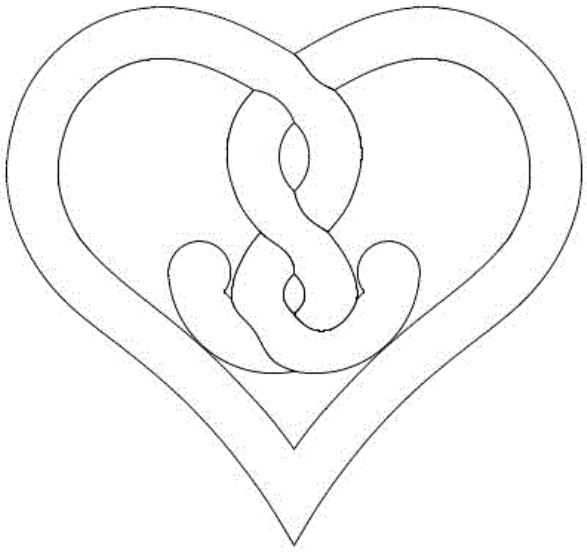
Front view

21: A2023/00346 22: 2023-03-08 23: 2023-01-25
43: 2023-01-25
52: Class 3 24: Part A
71: FOSCHINI RETAIL GROUP PROPRIETARY LIMITED
54: Personal Belongings and Travel Goods
57: The design is applied to personal belongings or travel goods and comprises the shape and/or configuration and/or ornamentation and/or pattern of the design as shown in the accompanying representation.



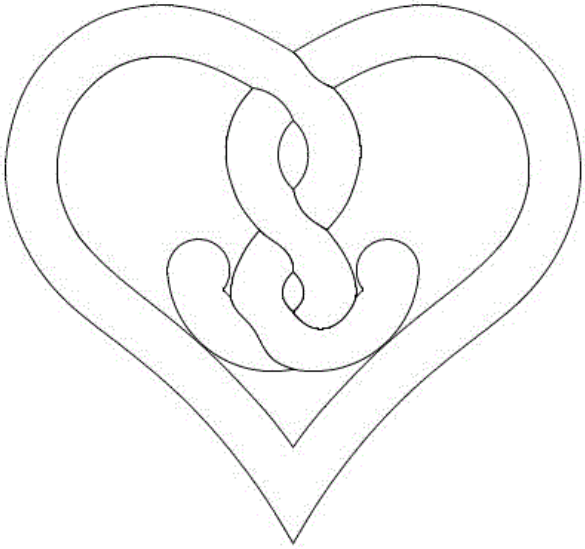
Front view

21: A2023/00347 22: 2023-03-08 23: 2023-01-25
43: 2023-01-25
52: Class 10 24: Part A
71: FOSCHINI RETAIL GROUP PROPRIETARY LIMITED
54: Watches and Clocks
57: The design is applied to a watch or clock and comprises the shape and/or configuration and/or ornamentation and/or pattern of the design as shown in the accompanying representation.



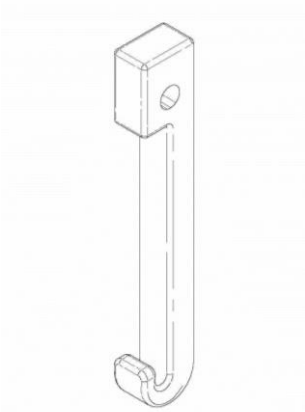
Front view

21: A2023/00348 22: 2023-03-08 23: 2023-01-25
43: 2023-01-25
52: Class 11 24: Part A
71: FOSCHINI RETAIL GROUP PROPRIETARY LIMITED
54: Articles of Adornment
57: The design is applied to a design applied to an article of adornment and comprises the shape and/or configuration and/or ornamentation and/or pattern of the design as shown in the accompanying representation.



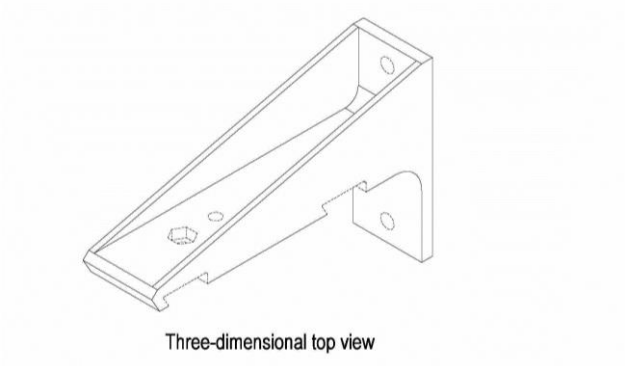
Front view

21: A2023/00349 22: 2023-03-08 23:
43: 2023-03-08
52: Class 8 24: Part A
71: Papini Trading (Pty) Ltd
54: Curtain wave forming devices
57: This design relates to hardware for curtains, particularly to a curtain wave forming device substantially as shown in the accompanying representations. The device has a generally rectangular elongate body which extends between a bulbous head portion and a hook foot portion. In use, a plurality of similar devices is connected by suitable connector/s and each device is located in a suitable pocket in a curtain tape attached to a curtain thereby at least to form a wave effect in the curtain, in use. The device is typically constructed from a polymer or a polymer-based substance.



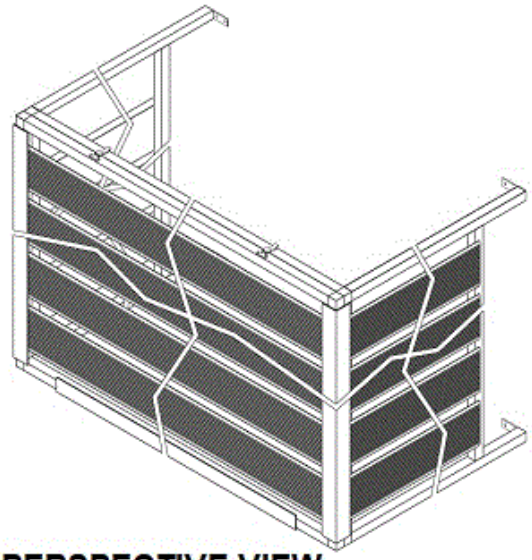
Three-dimensional front view

21: A2023/00352 22: 2023-03-08 23:
43: 2023-03-08
52: Class 8 24: Part A
71: Papini Trading (Pty) Ltd
54: Curtain rail brackets
57: This design relates to hardware for curtains, particularly to a curtain rail bracket substantially as shown in the accompanying representations. The bracket has a rectangular mounting portion, a rectangular cantilever support portion, and a pair of generally triangular webs flanking the cantilever support portion. The bracket is typically constructed from a polymer or a polymer-based substance.



Three-dimensional top view

21: A2023/00362 22: 2023-03-10 23: 2023-02-23
43: 2023-10-18
52: Class 25. 24: Part A
71: WATERARC SOLUTIONS (PTY) LTD.
54: A Filter Cage
57: The design relates to a filter cage. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW
CLOSED CONFIGURATION

21: A2023/00365 22: 2023-03-13 23:
43: 2022-09-27
52: Class 08 24: Part A
71: CISA S.p.A.
33: EM(IT) 31: 009188485-0001 32: 2022-09-27
54: KEYS
57: It is a portion of a contoured key, provided with a moveable element which is hinged like a flag indicator in a transverse through cavity at its distal end; this movable element also has contoured indents.

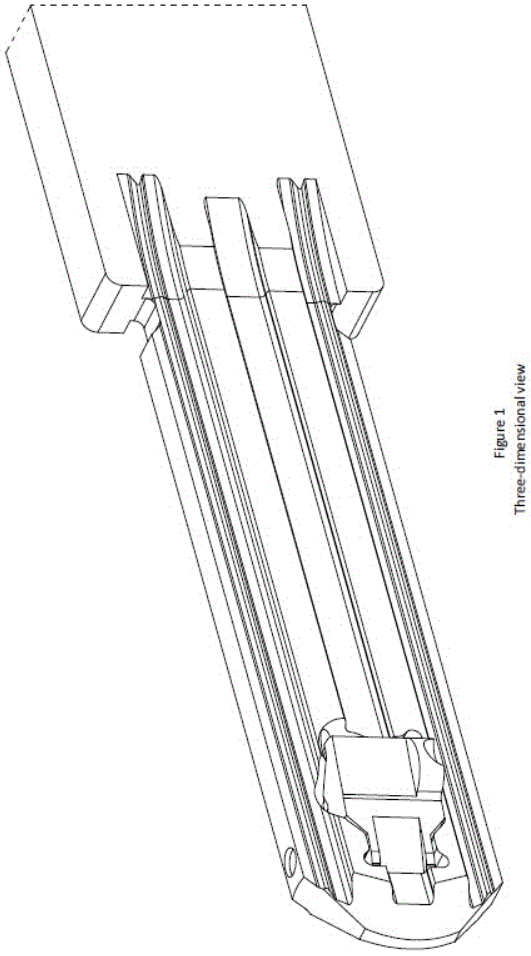
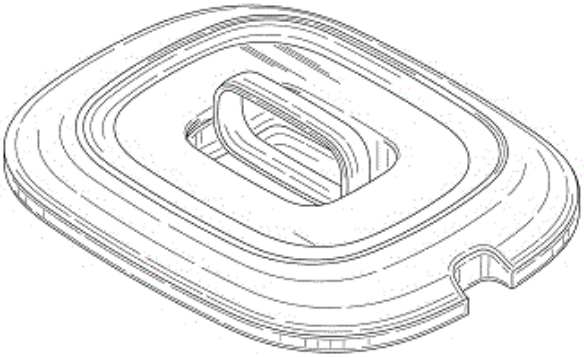


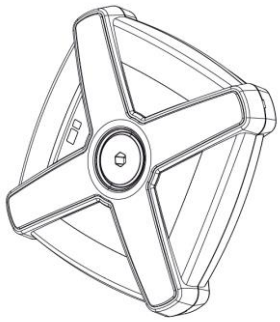
Figure 1
Three-dimensional view

21: A2023/00367 22: 2023-03-15 23:
43: 2023-10-17
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/855,760 32: 2022-10-06
54: Cover for a Serving Dish
57: The design relates to a cover for a serving dish. The features of the design are those of shape and/or configuration and/or ornamentation.

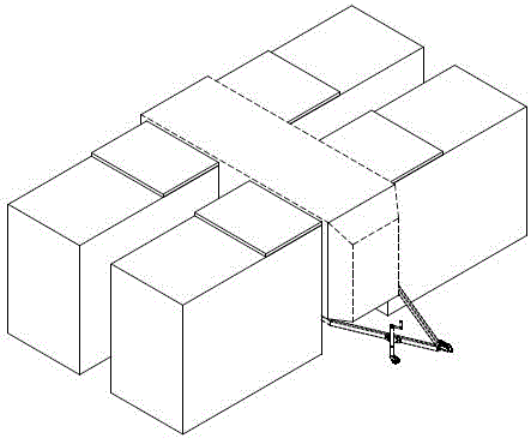


TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00369 22: 2023-03-15 23:
43: 2023-10-17
52: Class 10 24: Part A
71: SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION/SUPPLY) PTY LTD
33: EM 31: 009175219-0001 32: 2022-09-16
54: A LASER MEASURING DEVICE
57: The design for which protection is claimed relates to a laser measuring device shown in perspective front view in the drawing showing the overall appearance thereof.

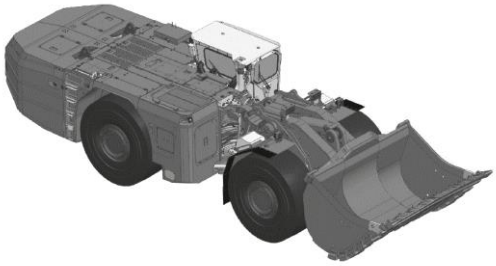


21: A2023/00370 22: 2023-03-15 23: 2022-12-27
43: 2022-12-27
52: Class 12 24: Part A
71: AFRICA FOCUS CONSULTING PROPRIETARY LIMITED
54: Road Trailers for Camping
57: The design relates to a road trailer for camping as shown in the accompanying representations. The road trailer comprises a rigid central box-like body and four tent structures extending laterally outwardly from the central body in a deployed state of the road trailer.



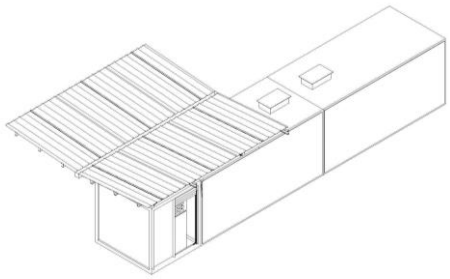
Three-dimensional view from front

21: A2023/00376 22: 2023-03-17 23:
43: 2023-10-17
52: Class 15 24: Part A
71: SANDVIK MINING AND CONSTRUCTION OY
33: US 31: 29/853,781 32: 2022-09-19
54: WHEEL LOADER
57: The design for which protection is claimed relates to a wheel loader shown in perspective front view in the drawing showing the overall appearance thereof.



21: A2023/00392 22: 2023-03-23 23:
43: 2023-03-23
52: Class 20 24: Part A
71: SWANEPOEL, Marco Gerard
54: Fuel stations
57: The design relates to a fuel station, more specifically to a containerised, aboveground fuel station. The fuel station has an elongate body which comprises a pair of generally rectangular containers joined end-to-end. The containers are configured to store fuel to be dispensed. The fuel station further includes a service compartment or cubicle toward a front end and an adjoining payment processing cubicle. The service compartment has opposing closable openings, each of which houses a fuel pump for dispensing fuel. The payment processing

cubicle is provided at the front of the fuel station. An inclined, double cantilever roof structure having a pair of laterally, upwardly and outwardly inclined wings is provided over, and is supported on top of, the service and payment cubicles.



21: A2023/00393 22: 2023-03-24 23:
43: 2022-09-27
52: Class 23 24: Part A
71: Graco Minnesota Inc.
33: US 31: 29/854,655 32: 2022-09-27
54: SPACERS
57: The article is a spacer meant for use in a lubricant delivery system. The spacer is exposed on the exterior of a lubricant manifold and includes a faceted exterior surface. That faceted exterior projects away from the exterior threading. The spacer also includes a cylindrical exterior extending from an opposite side of the threading from the faceted exterior.

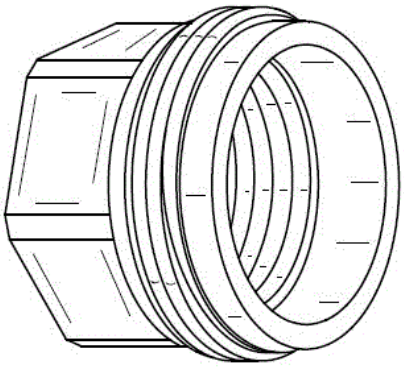


Figure 1

Three-dimensional view

21: A2023/00395 22: 2023-03-24 23:
43: 2022-09-27
52: Class 23 24: Part A
71: Graco Minnesota Inc.
33: US 31: 29/854,666 32: 2022-09-27
54: CARTRIDGE INJECTORS
57: The design is for a cartridge injector substantially as shown in the accompanying presentations. The cartridge injector has a generally cylindrical body that has a lower portion, an upper portion, and a first intermediate portion that is proximate the lower portion and a second intermediate portion that is proximate the upper portion. The cylindrical body increases gradually in diameter from the lower portion to the upper portion. Each of the adjacent portions are separated from each other by a set of circumferential grooves. The upper portion has a hexagonal shaped body that is arranged transversely to the longitudinal axis of the cylindrical body. A cylindrical cap is provided on top of the upper surface of the hexagonal body. A pin extends longitudinally downwardly from the center of the lower portion.

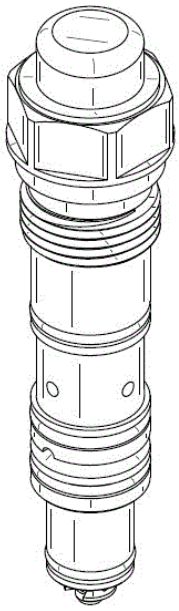


Figure 1

Three-dimensional view

21: A2023/00396 22: 2023-03-24 23:
43: 2022-09-27
52: Class 23 24: Part A
71: Graco Minnesota Inc.
33: US 31: 29/854,666 32: 2022-09-27
54: CARTRIDGE INJECTORS
57: The design is for a cartridge injector. The cartridge injector has a generally cylindrical body that has a lower portion, an upper portion, and a first intermediate portion that is proximate the lower portion and a second intermediate portion that is proximate the upper portion. The lower portion includes a series of circumferential grooves on its outer surface and defines a central bore opening on

its free end. A hexagonal shaped member is provided between the lower and first intermediate portions and is arranged transverse to the longitudinal axis of the cylindrical body. The second intermediate portion is longer than the other portions and has a diameter that is smaller than that of the first intermediate portion. The upper portion has a lower part that has a series of grooves on its outer surface, an intermediate hexagonal shaped part that is arranged transverse to the axis of the body and a cylindrical cap provided on top of the hexagonal shaped part.

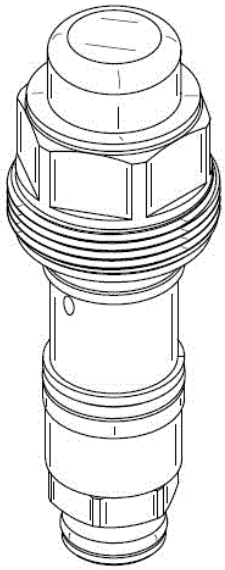
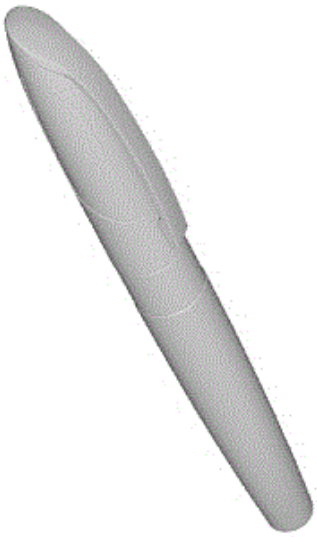


Figure 1

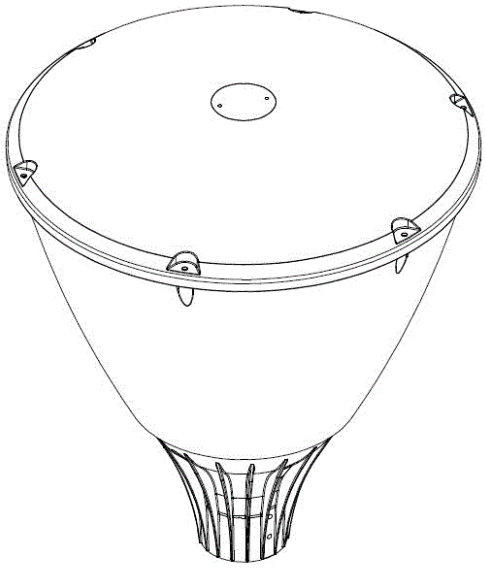
Three-dimensional view

21: A2023/00399 22: 2023-03-24 23:
43: 2023-10-17
52: Class 19. 24: Part A
71: SCHWAN-STABILO SCHWANHAEUSSER GMBH & CO. KG
33: CN 31: 202230655836.0 32: 2022-09-30
54: Pen
57: The design relates to a pen. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP PERSPECTIVE VIEW

21: A2023/00404 22: 2023-03-30 23:
43: 2023-03-30
52: Class 26 24: Part A
71: SCHRÉDER S.A.
54: LUMINAIRE HOUSING
57: The design is applied to a luminaire housing. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a luminaire housing, substantially as illustrated in the accompanying representations.



Three-dimensional view from top

21: A2023/00409 22: 2023-03-31 23:
43: 2022-10-03
52: Class 9 24: Part A
71: Beaute Prestige International
33: EM(FR) 31: 009195167-0006 32: 2022-10-03
54: BOTTLES
57: The design is for a bottle, comprising an elongate body with side walls extending upwardly from a square base, inclining gently outwardly to a midpoint, and tapering inwardly towards a mouth of the bottle. An elongate hexagonal lid with a square top surface and inclined walls attaches to the mouth. An inner of the body defines a rectangular recess with curved corners.

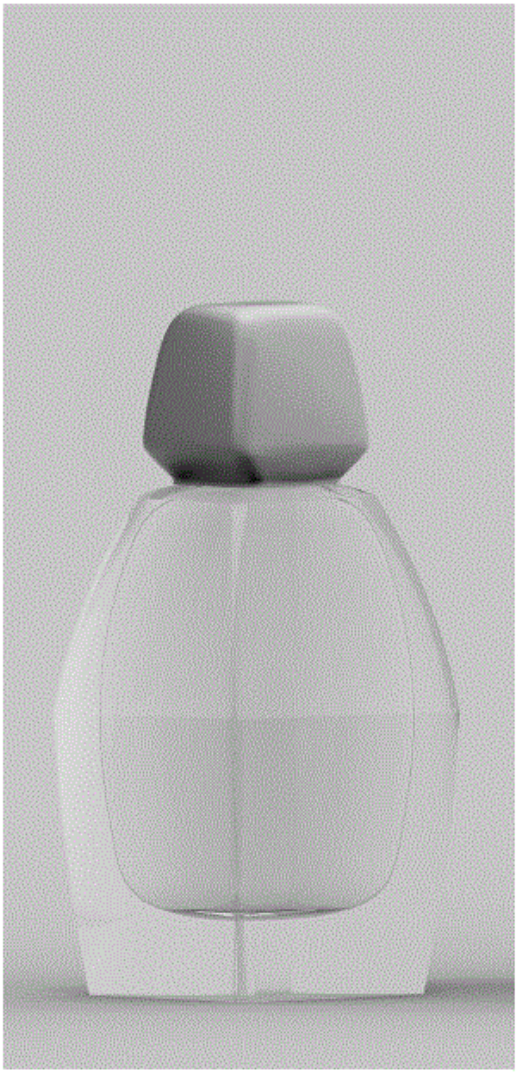
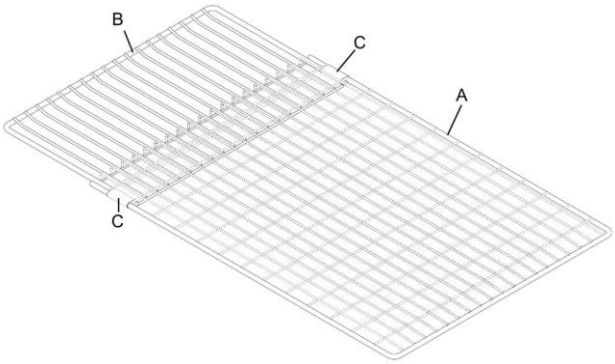


Figure 1

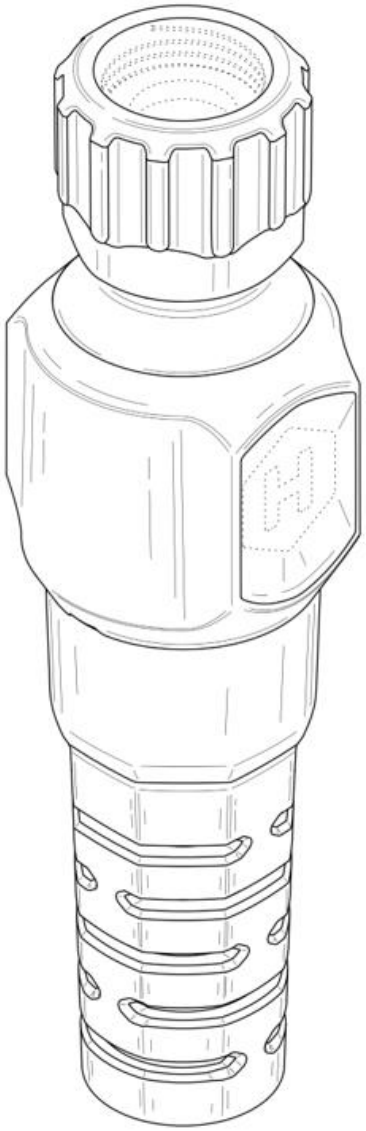
Three-dimensional view

21: A2023/00416 22: 2023-04-04 23:
43: 2023-11-14
52: Class 07 24: Part A
71: STYLE IN STAINLESS CC T/A STEELCRAFT
54: BARBEQUE GRID
57: The design is applied to a barbeque grid. 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 barbeque grid, substantially as illustrated in the accompanying representation.

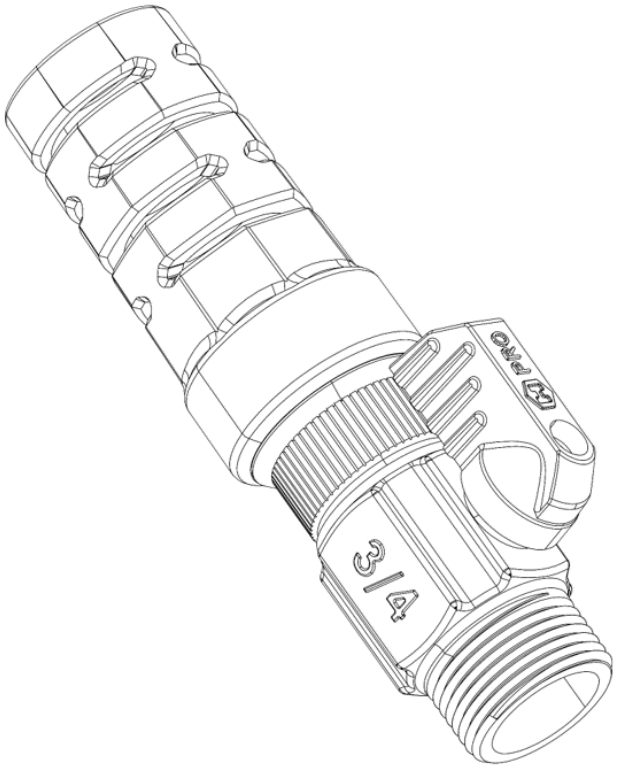


THREE-DIMENSIONAL VIEW – EXTENDED CONDITION

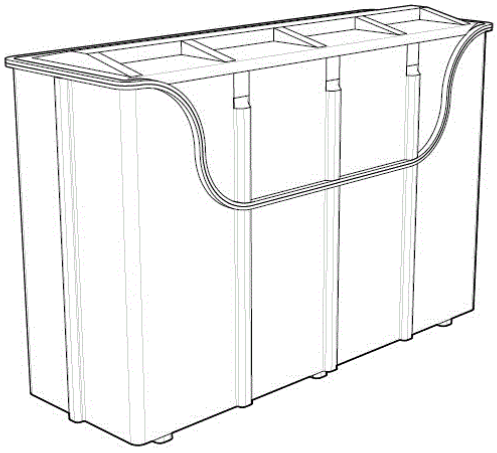
21: A2023/00435 22: 2023-04-06 23:
43: 2023-11-14
52: Class 23 24: Part A
71: WINSTON PRODUCTS, LLC
33: US 31: 29/859,635 32: 2022-11-11
54: NOZZLE
57: The design is applied to a nozzle. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the nozzle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour and surface shading lines are provided to indicate the surface character and contours but do not form part of the design and are disclaimed.



21: A2023/00436 22: 2023-04-06 23:
43: 2023-11-14
52: Class 23 24: Part A
71: WINSTON PRODUCTS, LLC
33: US 31: 29/859,635 32: 2022-11-11
54: NOZZLE
57: The design is applied to a nozzle. 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 nozzle, substantially as illustrated in the accompanying representation. Contour lines are provided to indicate the contours but do not form part of the design and are disclaimed. The textual and numerical matter as well as the hexagon outline logo appearing on the nozzle do not form part of the design and is disclaimed.

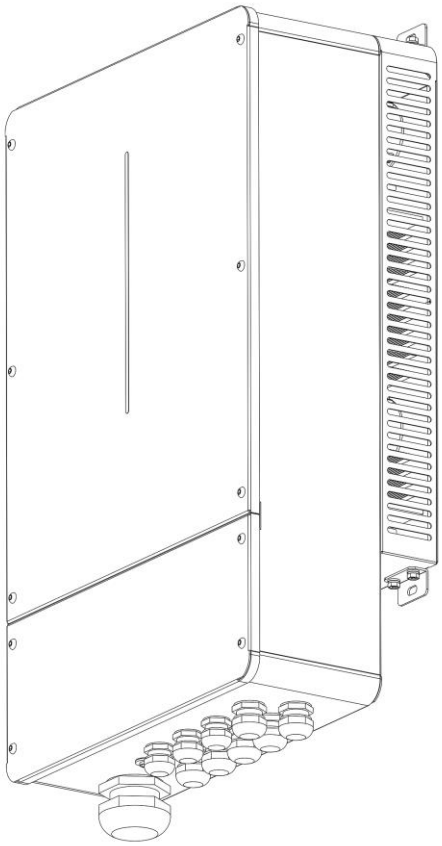


21: A2023/00445 22: 2023-04-11 23:
43: 2023-11-14
52: Class 9 24: Part A
71: DETON ENGINEERING (PROPRIETARY) LIMITED
54: BOX
57: The design relates to a box. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



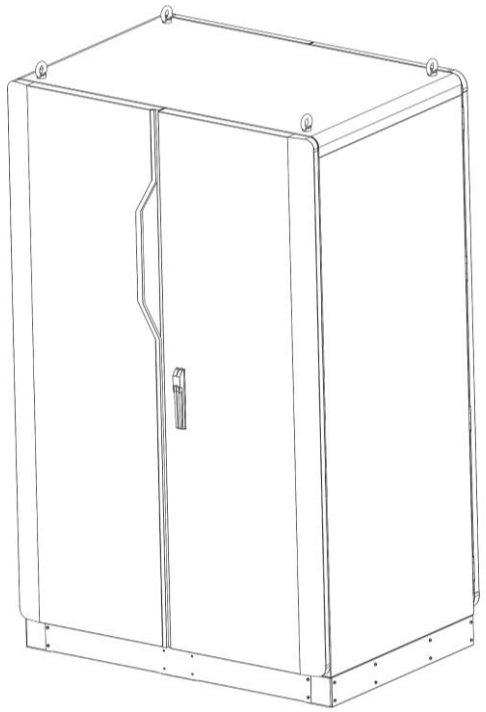
PERSPECTIVE VIEW

21: A2023/00446 22: 2023-04-11 23:
43: 2023-11-15
52: Class 13 24: Part A
71: WeCo (Guangdong) Energy Storage Technology Co., Ltd.
54: INVERTER
57: The design is in respect of an inverter.

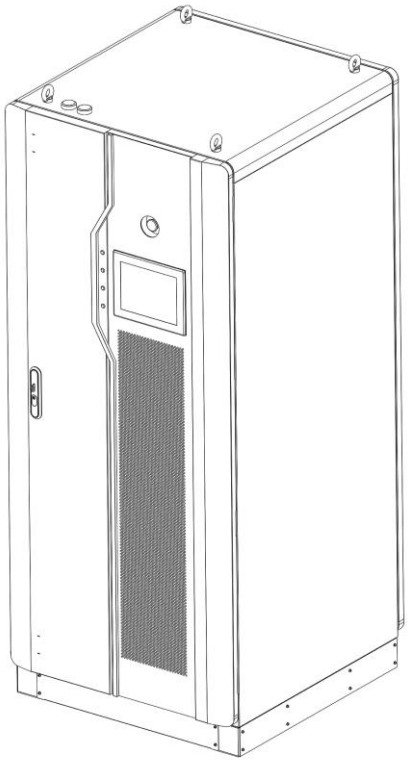


21: A2023/00452 22: 2023-04-11 23:
43: 2023-11-13
52: Class 13 24: Part A
71: WeCo (Guangdong) Energy Storage Technology Co., Ltd.
54: BATTERY CABINET
57: The design is in respect of a battery cabinet. The battery cabinet is shaped and dimensioned to contain one or more batteries in use.

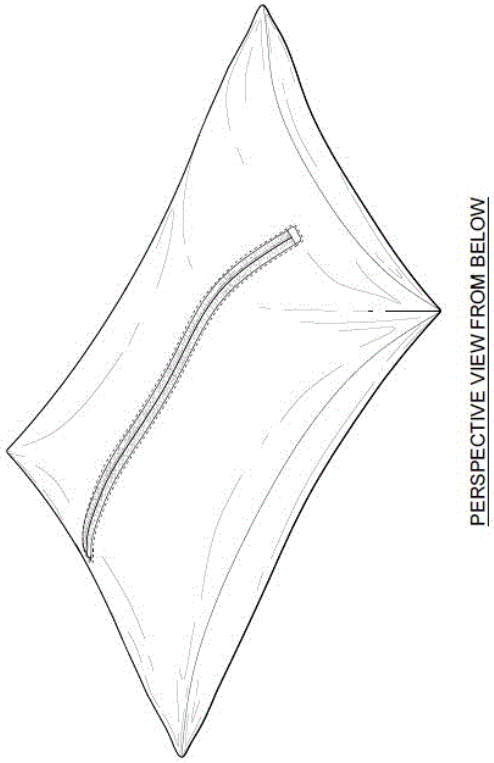
21: A2023/00454 22: 2023-04-11 23:
43: 2023-11-15
52: Class 13 24: Part A
71: WeCo (Guangdong) Energy Storage Technology Co., Ltd.
54: BATTERY CABINET
57: The design is in respect of a battery cabinet. The battery cabinet is shaped and dimensioned to contain one or more batteries in use.



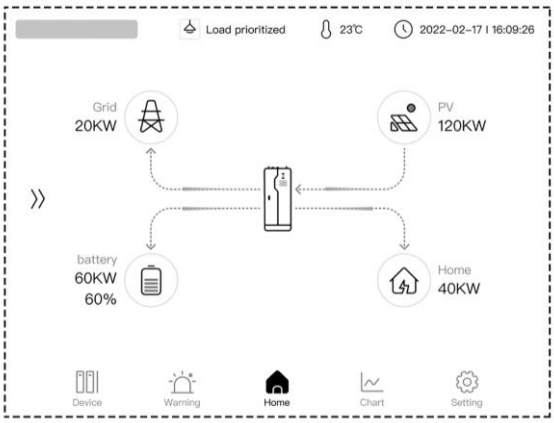
21: A2023/00455 22: 2023-04-11 23:
43: 2023-11-15
52: Class 13 24: Part A
71: WeCo (Guangdong) Energy Storage Technology Co., Ltd.
54: BATTERY CABINET
57: The design is in respect of a battery cabinet. The battery cabinet is shaped and dimensioned to contain one or more batteries in use.



21: A2023/00461 22: 2023-04-12 23:
43: 2023-11-14
52: Class 6 24: Part A
71: NOTSHE, Nandipha
54: PILLOWCASE
57: The design relates to a pillowcase. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



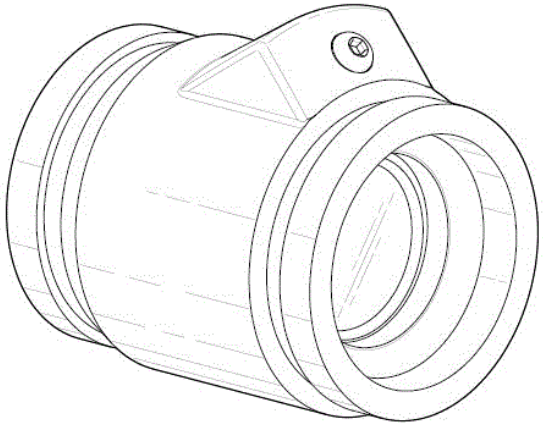
21: A2023/00530 22: 2023-05-02 23:
43: 2023-11-15
52: Class 32 24: Part A
71: WeCo (Guangdong) Energy Storage Technology Co., Ltd.
54: DISPLAY SCREEN OR PORTION THEREOF WITH AN ANIMATED GRAPHICAL USER INTERFACE
57: The design relates to a graphical user interface and it's application for use in monitoring electrical power supply.



21: A2023/00531 22: 2023-05-03 23: 2023-04-10
43: 2023-11-15
52: Class 13 24: Part A
71: GU, Angelique
54: BATTERY HOUSINGS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration and/or ornamentation of a battery housing, substantially as shown in the representations.

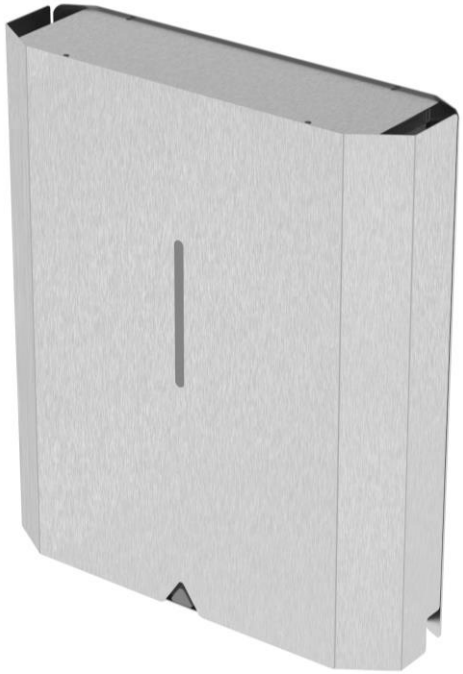
Three-dimensional front view of a battery housing

21: A2023/00567 22: 2023-05-11 23:
43: 2023-11-14
52: Class 23 24: Part A
71: COMEC INDUSTRIES (PTY) LTD
54: NON-RETURN VALVE
57: The features of the design for which protection is claimed include the shape and/or configuration of a non-return valve specifically a swing-type non-return valve, substantially as illustrated in the accompanying representations.

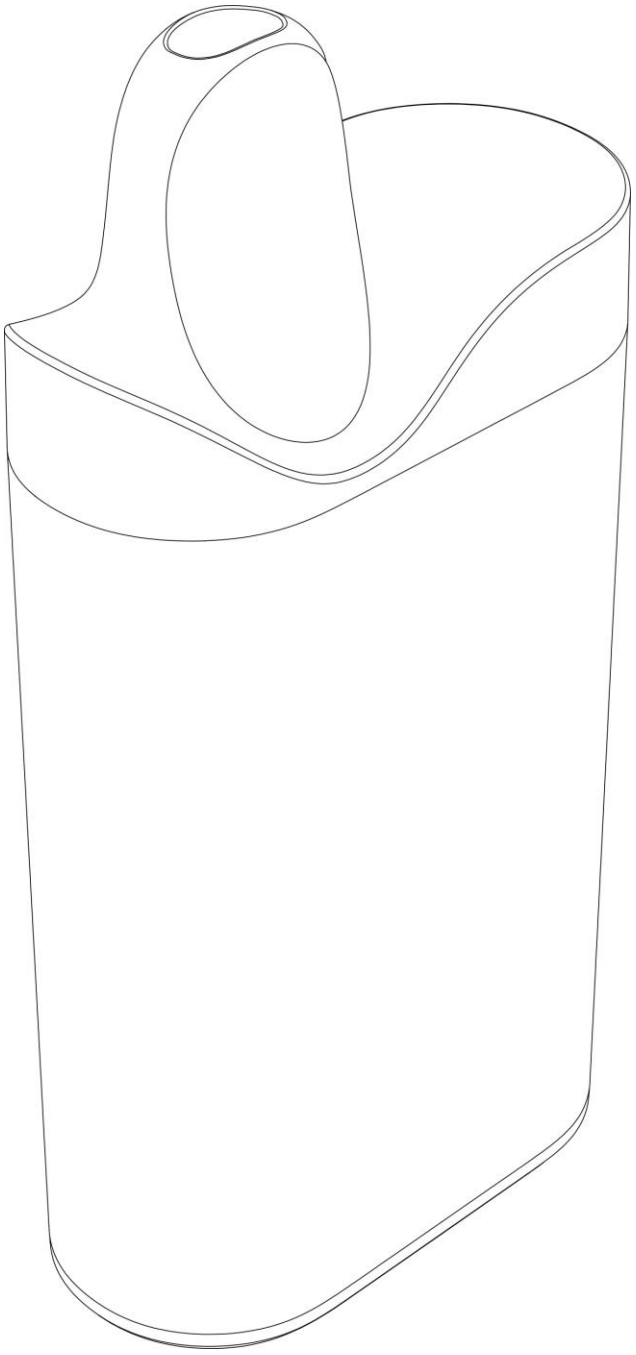


FIRST PERSPECTIVE VIEW

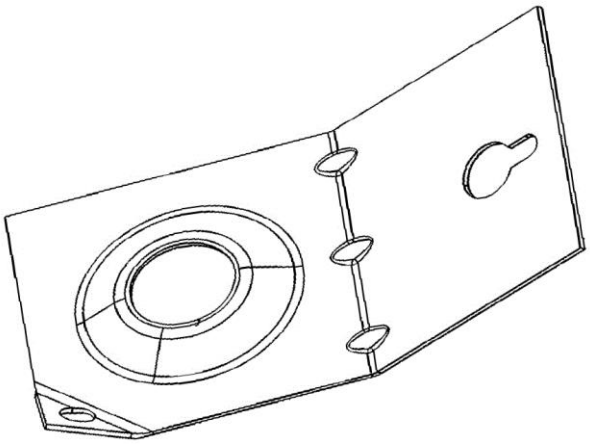
21: A2023/00573 22: 2023-05-15 23:
43: 2023-11-13
52: Class 13 24: Part A
71: VIRIDI E-MOBILITY TECHNOLOGY (NINGBO) CO., LTD., ZHEJIANG ZEEKR INTELLIGENT TECHNOLOGY CO., LTD., ZHEJIANG GEELY HOLDING GROUP CO., LTD.
54: POWER SUPPLY UNIT
57: The design is applied to a power supply unit for backup power supply. The aesthetic feature of relevance include the shape and/or configuration and/or pattern and/or ornamentation of the power supply unit substantially as shown in the accompanying representations.



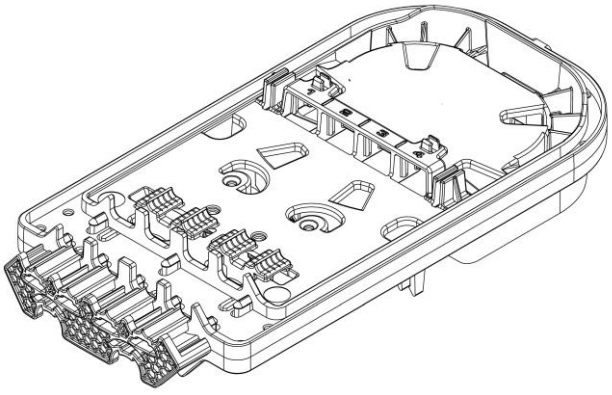
21: A2023/00706 22: 2023-06-21 23:
43: 2023-11-13
52: Class 27 24: Part A
71: MEVOL (HK) LIMITED
33: CN 31: 202330249693.8 32: 2023-04-28
54: ELECTRONIC CIGARETTE
57: Protection is claimed for the features of shape and/or pattern and/or configuration and/or ornamentation of an electronic cigarette substantially as shown in the accompanying representations.



21: F2022/01515 22: 2022-11-23 23:
43: 2023-10-18
52: Class 25 24: Part F
71: JOZISCAPE (PTY) LTD
54: A SUPPORT FOR A ROCK BOLT
57: The design is applied to a support for a rock bolt. The features of the design for which protection is claimed reside in the shape and/or configuration of a support for a rock bolt including a rock bolt receiving aperture defined in a first section of the support, part of the first section located towards a periphery of the rock bolt receiving aperture being raised, the support further including a mounting formation extending from the first section which includes a chain receiving aperture defined therethrough and rib formations extending between the first section and the mounting formation, substantially as shown in the accompanying representations, showing the overall appearance thereof.

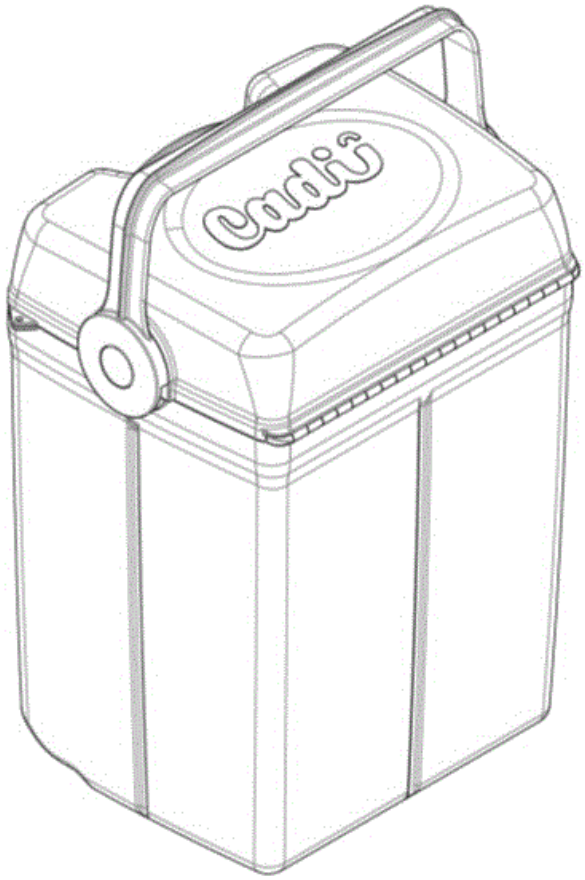


21: F2022/01608 22: 2022-12-12 23:
43: 2023-09-12
52: Class 13 24: Part F
71: PIMMS Group (Pty) Ltd
54: CABLE MANAGEMENT TRAY
57: The features of the design for which protection is claimed include the shape and/or configuration of the CABLE MANAGEMENT TRAY substantially as illustrated in the accompanying representations.

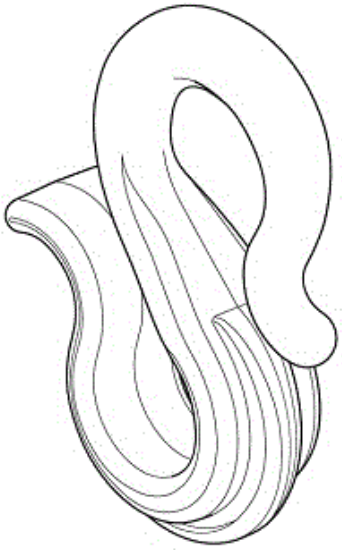


21: F2023/00220 22: 2023-02-20 23:
43: 2023-10-17
52: Class 3 24: Part F
71: CADii DEVELOPMENTS

54: TROLLEY CONTAINER
57: The design relates to a trolley container. The features of the design are those of shape and/or configuration. Protection is not claimed for the marking “Cadii”.

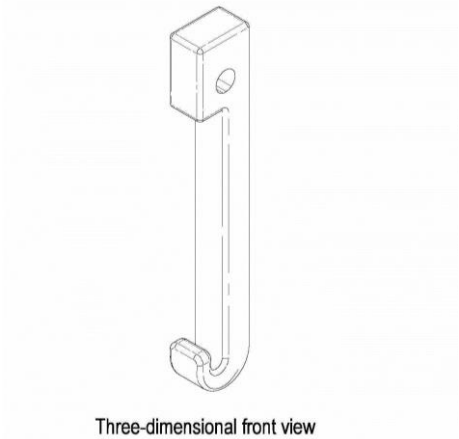


21: F2023/00275 22: 2023-02-24 23: 2022-10-01
43: 2023-10-23
52: Class 8. 24: Part F
71: K2015423273 (SOUTH AFRICA) (PTY) LTD T/A SA FRUIT PROTECTION
54: Clip
57: The design relates to a clip. The features of the design are those of shape and/or configuration.



FRONT PERSPECTIVE VIEW

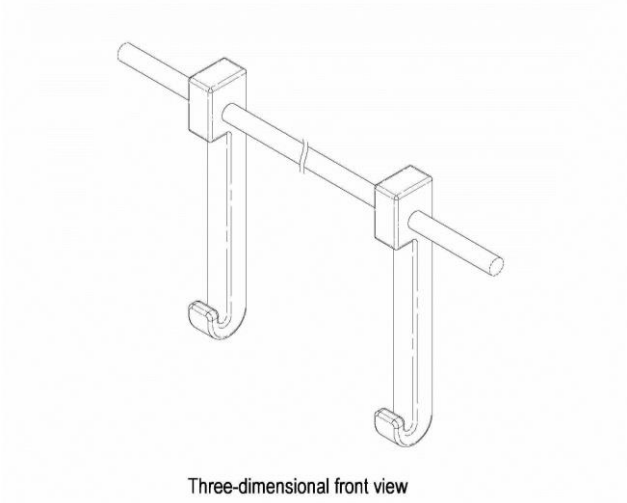
21: F2023/00350 22: 2023-03-08 23:
43: 2023-03-08
52: Class 8 24: Part F
71: Papini Trading (Pty) Ltd
54: Curtain wave forming devices
57: This design relates to hardware for curtains, particularly to a curtain wave forming device substantially as shown in the accompanying representations. The device has a generally rectangular elongate body which extends between a bulbous head portion and a hook foot portion. In use, a plurality of similar devices is connected by suitable connector/s and each device is located in a suitable pocket in a curtain tape attached to a curtain thereby at least to form a wave effect in the curtain, in use. The device is typically constructed from a polymer or a polymer-based substance.



Three-dimensional front view

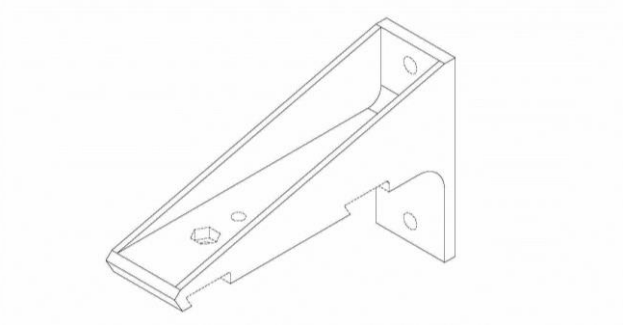
21: F2023/00351 22: 2023-03-08 23:

43: 2023-03-08
52: Class 8 24: Part F
71: Papini Trading (Pty) Ltd
54: Curtain wave forming apparatuses
57: This design relates to hardware for curtains, particularly to a curtain wave forming apparatus substantially as shown in the accompanying representations. The apparatus comprises at least a pair, preferably a plurality, of curtain tape hooks or wave forming devices connected by suitable connectors. Each device has a generally rectangular elongate body which extends between a bulbous head portion and a hook foot portion, wherein adjacent devices are connected by connectors located through the head portions thereof to space the devices at predetermined intervals. In use, the devices of the apparatus are located in suitable pockets of a curtain tape attached to a curtain to form a wave effect in the curtain, in use, wherein the frequency of said waves are determined at least by the spacing of the devices by the connector/s. The devices are typically constructed from a polymer or a polymer-based substance.

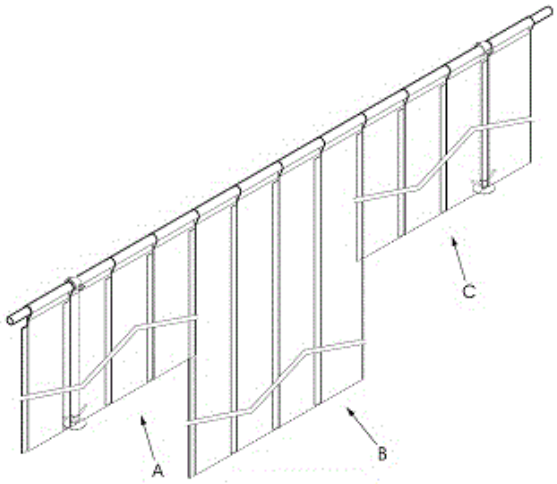


Three-dimensional front view

21: F2023/00353 22: 2023-03-08 23:
43: 2023-03-08
52: Class 8 24: Part F
71: Papini Trading (Pty) Ltd
54: Curtain rail brackets
57: This design relates to hardware for curtains, particularly to a curtain rail bracket substantially as shown in the accompanying representations. The bracket has a rectangular mounting portion, a rectangular cantilever support portion, and a pair of generally triangular webs flanking the cantilever support portion. The bracket is typically constructed from a polymer or a polymer-based substance.

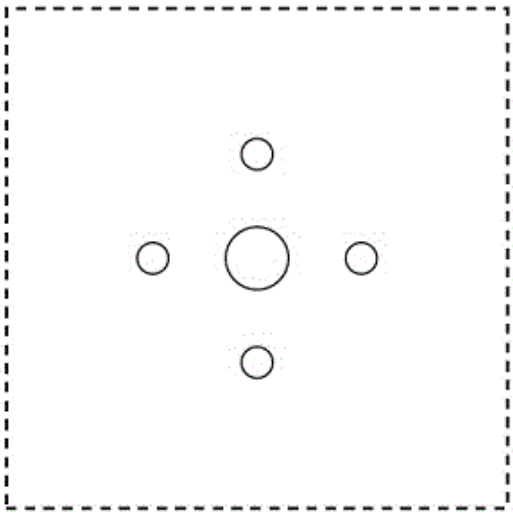


21: F2023/00389 22: 2023-03-22 23: 2022-10-13
43: 2023-10-17
52: Class 23. 24: Part F
71: UNIQUE VENTILATION AND SUPPORT SYSTEMS (PROPRIETARY) LIMITED
54: Gulley Brattice Curtain
57: The design relates to a gulley brattice curtain. The features of the design are those of shape and/or configuration and/or pattern.



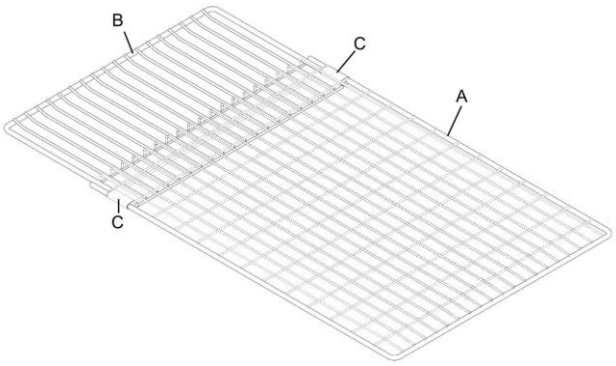
PERSPECTIVE VIEW

21: F2023/00403 22: 2023-03-29 23:
43: 2023-10-17
52: Class 25. 24: Part F
71: SABRE SHUBANE TECHNOLOGIES (PROPRIETARY) LIMITED
54: Separation Sheet for a Support Bag
57: The design relates to separation sheet for a support bag. The features of the design are those of shape and/or configuration.



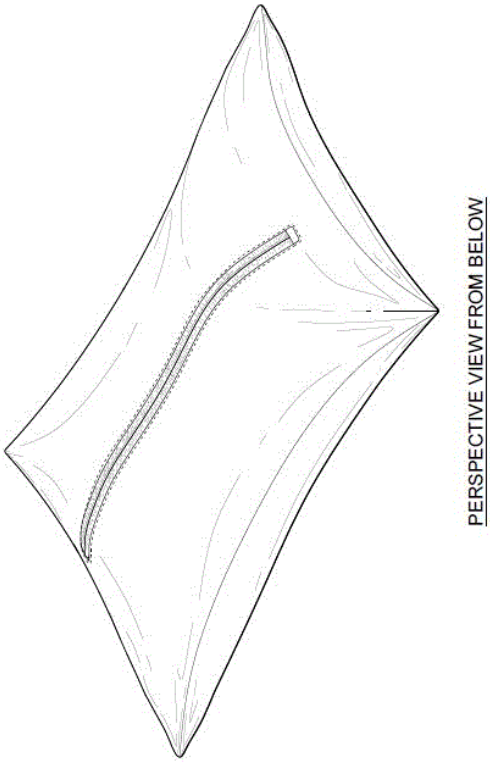
PLAN VIEW OF 1st EMBODIMENT

21: F2023/00418 22: 2023-04-04 23:
43: 2023-11-14
52: Class 07 24: Part F
71: STYLE IN STAINLESS CC T/A STEELCRAFT
54: BARBEQUE GRID
57: The design is applied to a barbeque grid. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the barbeque grid, substantially as illustrated in the accompanying representation.



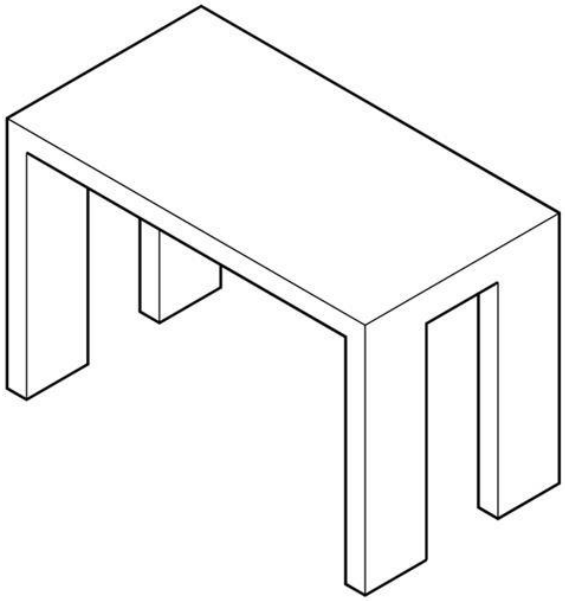
THREE-DIMENSIONAL VIEW – EXTENDED CONDITION

21: F2023/00462 22: 2023-04-12 23:
43: 2023-11-14
52: Class 6 24: Part F
71: NOTSHE, Nandipha
54: PILLOWCASE
57: The design relates to a pillowcase. The features of the design are those of shape and/or configuration and/or pattern.

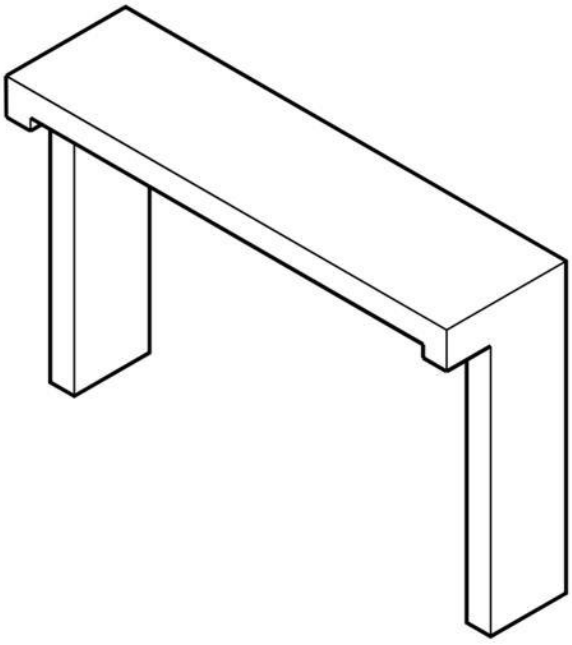


PERSPECTIVE VIEW FROM BELOW

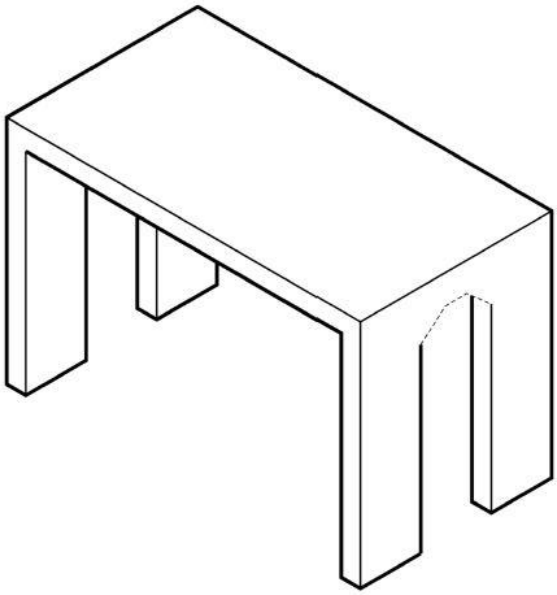
21: F2023/00484 22: 2023-04-18 23:
43: 2023-11-14
52: Class 25 24: Part F
71: YORK, Natasha
54: SUPPORT STRUCTURE
57: The design is applied to a support structure. The features of the design for which protection is claimed are those of the shape and/or configuration of the support structure, substantially as illustrated in the accompanying representation.



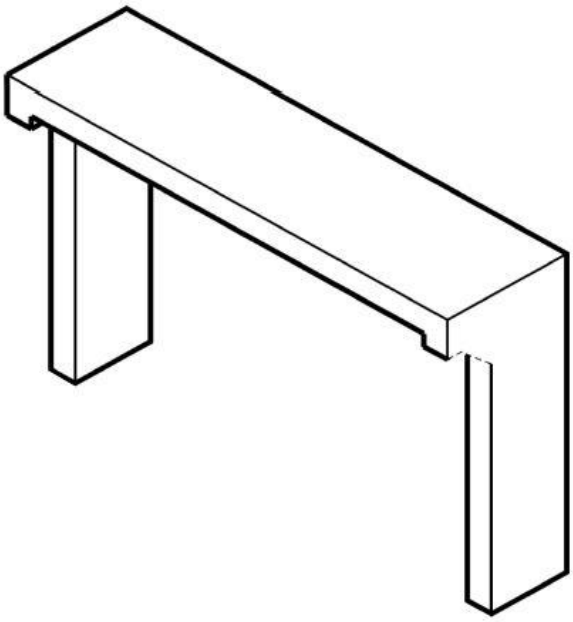
21: F2023/00485 22: 2023-04-18 23:
43: 2023-11-14
52: Class 25 24: Part F
71: YORK, Natasha
54: SUPPORT STRUCTURE
57: The design is applied to a support structure. The features of the design for which protection is claimed are those of the shape and/or configuration of the support structure, substantially as illustrated in the accompanying representation.



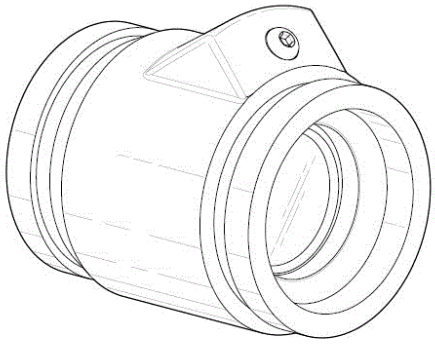
21: F2023/00486 22: 2023-04-18 23:
43: 2023-11-14
52: Class 25 24: Part F
71: YORK, Natasha
54: SUPPORT STRUCTURE
57: The design is applied to a support structure. The features of the design for which protection is claimed are those of the shape and/or configuration of the support structure, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2023/00487 22: 2023-04-18 23:
43: 2023-11-14
52: Class 25 24: Part F
71: YORK, Natasha
54: SUPPORT STRUCTURE
57: The design is applied to a support structure. The features of the design for which protection is claimed are those of the shape and/or configuration of the support structure, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

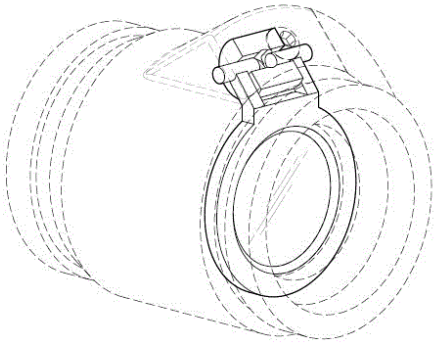


21: F2023/00566 22: 2023-05-11 23:
43: 2023-11-14
52: Class 23 24: Part F
71: COMEC INDUSTRIES (PTY) LTD
54: NON-RETURN VALVE
57: The features of the design for which protection is claimed include the shape and/or configuration of a non-return valve specifically a swing-type non-return valve, substantially as illustrated in the accompanying representations.



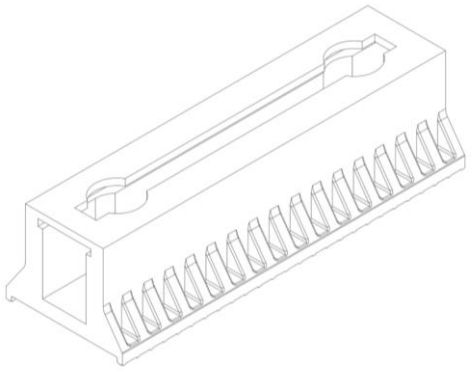
FIRST PERSPECTIVE VIEW

21: F2023/00568 22: 2023-05-11 23:
43: 2023-11-14
52: Class 23 24: Part F
71: COMEC INDUSTRIES (PTY) LTD
54: VALVE CLOSURE MEMBER
57: The features of the design for which protection is claimed include the shape and/or configuration of a valve closure member of a non-return valve specifically a swing-type non-return valve, substantially as illustrated in the accompanying representations.



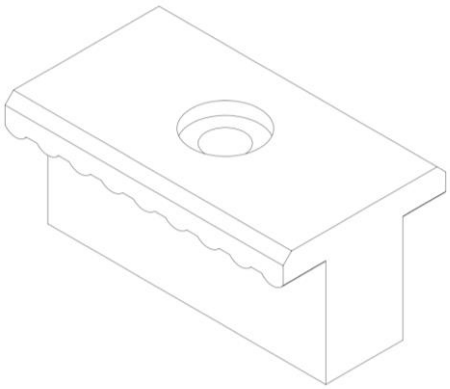
PERSPECTIVE VIEW A TYPICAL ASSEMBLY IN DOTTED LINES SHOWING ARTICLE IN POSITION

21: F2023/00634 22: 2023-05-30 23: 2023-04-25
43: 2023-12-01
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 base bracket which is mountable to IBR roof sheeting. The solar panel base bracket includes a generally rectangular shaped elongated body with a T-shaped opening along the length of the elongated body. The elongated body includes fixing holes on its bottom face for fastening the solar panel base bracket onto a roof surface. The bottom face further includes corrugated lips on the opposing longitudinal edges thereof, projecting perpendicularly away. The elongated body includes reinforcing ribs along its opposing sides, extending away from the elongated body, giving the elongated body an inverted T-shape cross-sectional profile. A slot runs longitudinally along the top face of the elongated body. The slot includes round openings on opposing ends for receiving a secondary bracket which, in use, clamps a solar panel between the base solar panel bracket and the secondary bracket.



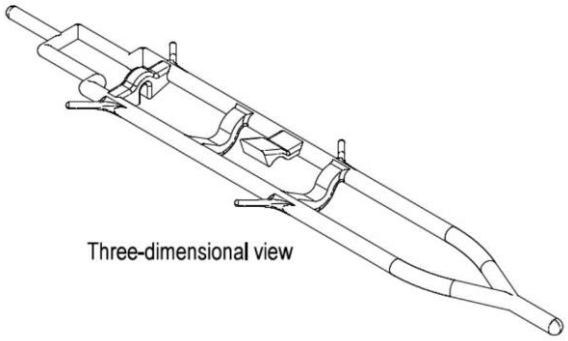
Three-dimensional view of a solar panel bracket

21: F2023/00635 22: 2023-05-30 23: 2023-04-25
43: 2023-12-01
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 top bracket which is mounted to a secondary bracket, which in turn is mountable to IBR roof sheeting. The solar panel top bracket includes an elongated body which is generally T-shaped. Opposing lips protruding laterally away from the upper edge of the elongated body gives the elongated body its T-shaped cross-sectional profile. The bottom faces of the opposing lips are corrugated. The top face of the elongated body includes a centered through hole perpendicular to the top face, used for mounting the solar panel top bracket onto the secondary bracket. The longitudinal edges of the top face are chamfered.



Three-dimensional view of a solar panel bracket

21: F2023/00739 22: 2023-07-06 23:
43: 2023-07-06
52: Class 22 24: Part F
71: ROUX, Petrus Johannes Janse van Rensburg
54: CENTRING DEVICES
57: The design relates to a centring device or detonator holder for holding a detonator or fuse whilst it is inserted into a blasting hole and for centring it inside the blasting hole. The device has an elongate body comprising a pair of parallel, longitudinally extending legs, each leg having a round cross-sectional profile. The legs curve toward one another to form a forwardly projecting distal tip. A Y-shaped rear end of the body has a stepped profile where it joins the pair of parallel legs. Each of the legs has a pair of longitudinally spaced apart, rearwardly pointing barbs. Two curved cross members extend transversely between the legs and define a seat for a detonator capsule. A detonator clip projects upward and inward from one of the legs, between the cross members. A U-shaped recess for receiving a detonator cable or fuse is defined in a rearwardly disposed lateral brace.



Three-dimensional view

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

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: 2023/00003 22: 2023-05-22 43: 2023-05-22
24: From 1968-01-15 to 1969-02-01 - Soweto Township, Johannesburg
25: 1969/02/01 Johannesburg
71: VIRIATO JORGE SOARES BARRETO 206A, 1 FOURTH STREET, KILLARNEY, 2193, South Africa
75: VIRIATO JORGE SOARES BARRETO 206A,1 FOURTH STREET, KILLARNEY, ZA, 2193, Phone :0823861037, Email: vbarreto@ cutedgestudios.co.za
76: Anthony Handley; Courinha Ramos;
77: Viriato Jorge Soares Barreto;
54: **KNOCKOUT**
78: Simon Sabela – Sergeant; Cocky Tlhotlhalemaje – Spider; Stanley Dibeco – Happy; Josh Makhene – Pinball; Morgan Langa – David; Benjamin Mabaso – Fatso; John Marcus – Shadow; Bella Randles – Bella; Anthony Handley – Doctor;Kid Texas – Killer Kumalo; Carvalho Dos Santos – Referee; Manuel Goncalves – Referee; Michael Selepe Pule – Commentator; Chris Schulder Trio; Fusi Zazayokwe – Joe Thunder; Abigail Kubeka – Sue; George Esaul – Music; Courinha Ramos – Editor; Joy Klopper – Dubbing editor; Guido Nys – Camera; Joao Moreira – Camera; Solomon Makone – Camera Assistant; Peet Grobelaar – location sound engineer; Louann Wise – Continuity; Cocky Tkhotlhalemaje – Chief of Cast; Jimmy Watt – Dubbing engineer; Whitney Walls – Mixing engineer; Leonard Schlebush – Production manager; John Ash – Production manager; Patrick Jordan – Wardrobe and props; Vivienne De Valesco – Production secretary; Colin Polson – Hair stylist; Anthony Quinlan – Production assistant; Irene Film Laboratories – Processing; Joao Moreira – Director of Photography; Anthony Handley – Screenplay;
26: Soweto Township, Johannesburg (APARTHEID ERA)
55: Specimen not lodged
56: Preview not requested
57: In 1969, during the oppressive apartheid era, the first all-black cast motion picture was produced and filmed in Soweto Township. It's story line tells of a man's passion for boxing, a sporting heritage for a man who, just twenty five years later was to become the first president of the new South Africa. Nelson Mandela would later famously pronounce that "Sport has the power to change the world...it has the power to inspire, the power to unite people in a way that little else does. It speaks to youth in a language they understand and can create hope where once there was only despair." Boxing became an all-encompassing passion that was to unite the youth who lived in the country's black township communities, a passion that would lead to the conception of 'Knockout', an innovative new South African feature film with an 'all black' cast of actors. The film's plot line tells the story of a young successful boxer (Fuzi Zazayokwe) and his girlfriend (Abigail Kubeka) who are pressurised by Mr spider, a crooked boxing promoter intent on controlling the boxer's performance in the ring. To force the boxer to accede to his demands the promoter kidnaps the girlfriend...an act that leads to a series of plot twists and turns that culminate in a happy ending. And now, half a century since it was produced and soon to be re-released. 'Knockout' has achieved legendary status in the history of the motion picture industry.

58: DR

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

CHANGE OF ADDRESS OF TSHAYA MASHABELA ATTORNEYS

UNIT GO1, 1064 ARCADIA STREET, HATFIELD, PRETORIA, 0082 to 1 MARK SHUTTLEWORTH STREET, LYNNWOOD, PRETORIA, 0087

PATENTS

Advertisement List for December 2023

Number of Advertised Patents: 841

Application Number	Patent Title	Filing Date
2012/01067	IMPROVED CELL COMPOSITION AND METHODS OF MAKING THE SAME	2012/02/14
2014/03785	COMPOSITIONS AND METHODS FOR MODIFYING A PREDETERMINED TARGET NUCLEIC ACID SEQUENCE	2014/05/23
2015/01247	HIGHLY ACCURATE BREATH TEST SYSTEM	2015/02/24
2015/03542	NOVEL IMMUNOTHERAPEUTIC MOLECULES AND USES THEREOF	2015/05/20
2015/04739	RNA-GUIDED HUMAN GENOME ENGINEERING	2015/07/01
2015/06093	METHODS AND PHARMACEUTICAL COMPOSITION FOR THE TREATMENT AND THE PREVENTION OF CARDIOMYOPATHY DUE TO ENERGY FAILURE	2015/08/21
2015/07717	COMPOSITION COMPRISING SALBUTAMOL SULPHATE	2015/10/15
2016/00797	SYSTEMS AND METHODS FOR CONTROLLING VEHICLE IGNITION USING BIOMETRIC DATA	2016/02/04
2016/01355	DRILLING AND DRAINING INTEGRATED FLOOR ANCHORING DRILLER	2016/02/26
2016/01639	SYSTEM AND METHOD FOR CONTROLLING COLLOCATED MULTIPLE WAVELENGTH TUNED LASERS	2016/03/09
2016/03187	COMPOSITIONS AND METHODS VECTORS FOR INDUCING AN ENHANCED IMMUNE RESPONSE USING POXVIRUS VECTORS	2016/05/11
2016/03546	PRODRUGS OF PYRIDONE AMIDES USEFUL AS MODULATORS OF SODIUM CHANNELS	2016/05/24
2016/03753	METHODS OF TREATING CANCERS USING PD-1 AXIS BINDING ANTAGONISTS AND TAXANES	2016/06/02
2016/07419	A METHOD FOR TREATING MOVEMENT DISORDERS WITH BEFIRADOL	2016/10/27
2017/01001	ANNULAR CATALYST CARRIER CONTAINER FOR USE IN A TUBULAR REACTOR	2017/02/09
2017/01048	INJECTABLE SLURRIES AND METHODS OF MANUFACTURING AND USING THE	2017/02/10

Application Number	Patent Title	Filing Date
	SAME	
2017/01460	GAMMA-DIKETONES FOR TREATMENT AND PREVENTION OF AGING SKIN AND WRINKLES	2017/02/27
2017/01981	ELECTRONIC VAPING DEVICE AND COMPONENTS THEREOF	2017/03/22
2017/02705	IMPROVED METHOD OF MANUFACTURING BUPRENORPHINE AND ANALOGUES THEREOF FROM ORIPAVINE	2017/04/18
2017/03041	METHODS AND PHARMACEUTICAL COMPOSITION FOR THE TREATMENT AND THE PREVENTION OF CARDIOMYOPATHY DUE TO ENERGY FAILURE	2017/05/02
2017/03467	METHODS OF TREATING OCULAR CONDITIONS	2017/05/19
2017/03481	COMPOSITIONS COMPRISING 2-((1-(2(4-FLUOROPHENYL)-2-OXOETHYL)PIPERIDIN-4-YL)METHYL)ISOINDOLIN-1-ONE FOR TREATING SCHIZOPHRENIA	2017/05/19
2017/04695	STABLE FROZEN HERPES SIMPLEX VIRUS FORMULATION	2017/07/12
2017/05961	ANTI-CANCER FUSION POLYPEPTIDE	2017/09/01
2017/06381	MOLECULES HAVING PESTICIDAL UTILITY, AND INTERMEDIATES, COMPOSITIONS, AND PROCESSES, RELATED THERETO	2017/09/21
2017/06719	ARTICLE CONVEYING SYSTEM WITH DIFFUSE ILLUMINATION	2017/10/05
2017/07327	ANTENNA APPARATUS	2017/10/27
2017/08200	IMPLANT PLACEMENT AND REMOVAL SYSTEMS	2017/12/01
2017/08291	RAILCAR TRUCK ROLLER BEARING ADAPTER PAD SYSTEMS	2017/12/06
2017/08740	TRANSMISSION DEVICE FOR PUSH-BUTTON SWITCH, PUSH-BUTTON SWITCH AND SOCKET	2017/12/21
2017/08741	PUSH-BUTTON SWITCH	2017/12/21
2017/08742	TRANSMISSION DEVICE FOR PUSH-BUTTON SWITCH, PUSH-BUTTON SWITCH AND SOCKET	2017/12/21
2018/00030	AMMONIA OXIDIZING BACTERIA FOR TREATMENT OF ACNE	2018/01/03
2018/00572	THERAPEUTIC COMPOSITIONS, COMBINATIONS, AND METHODS OF USE	2018/01/26
2018/00800	METHOD AND SYSTEM FOR TRACKING CONTAINERS	2018/02/07
2018/00804	NOVEL ANTI-HUMAN GPVI ANTIBODIES AND USES THEREOF	2018/02/07
2018/00902	A METHOD, SYSTEM AND ASSEMBLY	2018/02/12

Application Number	Patent Title	Filing Date
	FOR DETERMINING A REDUCTION OF REMAINING SERVICE LIFETIME OF AN ELECTRICAL DEVICE DURING A SPECIFIC TIME PERIOD OF OPERATION OF THE ELECTRICAL DEVICE	
2018/00931	SELECTION OF PATIENTS FOR COMBINATION THERAPY	2018/02/12
2018/01049	THERMAL CONTROL DEVICE AND METHODS OF USE	2018/02/15
2018/01685	METHODS AND COMPOSITIONS FOR SOFT ANTICHOLINERGIC ESTERS	2018/03/12
2018/01724	SOLID FORMS OF ISOQUINOLINONE DERIVATIVES, PROCESS OF MAKING, COMPOSITIONS COMPRISING, AND METHODS OF USING THE SAME	2018/03/13
2018/02018	DEVICE FOR PRODUCING ENERGY BY SALINITY GRADIENT THROUGH TITANIUM OXIDE NANOFLUID MEMBRANES	2018/03/27
2018/02604	WEAR MEMBER FOR EARTH WORKING EQUIPMENT	2018/04/19
2018/02706	COMPOSITIONS AND METHODS OF MANUFACTURING PROTEIN MICROPARTICLES	2018/04/23
2018/03052	TYRE CONDITION ANALYSIS	2018/05/09
2018/03079	ANTI-DR5 ANTIBODIES AND METHODS OF USE THEREOF	2018/05/10
2018/03080	METHODS OF TREATING MUSCULAR DYSTROPHY	2018/05/10
2018/03162	COMBINATION THERAPY FOR TREATING MALIGNANCIES	2018/05/14
2018/03728	CABLE DISTRIBUTION SYSTEM WITH FAN OUT DEVICES	2018/06/05
2018/04123	ELECTROPORATION DEVICE HAVING A BATTERY PACK WITH POWER SWITCH	2018/06/20
2018/04129	MICROFILTRATION ASSEMBLY AND METHOD OF MANUFACTURE	2018/06/20
2018/04527	TANGENTIAL FLOW FILTRATION PROCESS FOR CONCENTRATING BIOMOLECULE SOLUTIONS	2018/07/06
2018/04694	MULTI-TYPE-TREE FRAMEWORK FOR VIDEO CODING	2018/07/13
2018/04847	BLACKLIP ABALONE (HALIOTIS RUBRA) EXTRACT	2018/07/18
2018/05682	PROCESS FOR THE FLASH CALCINATION OF A ZEOLITIC MATERIAL	2018/08/24
2018/06019	ULTRASONIC PROBE AND ULTRASONIC DETECTION DEVICE PROVIDED WITH SAID ULTRASONIC PROBE	2018/09/07
2018/06220	SEEDING APPARATUS	2018/09/14
2018/06746	ADENO-ASSOCIATED VIRUS VECTOR DELIVERY OF MICRO-DYSTROPHIN TO	2018/10/10

Application Number	Patent Title	Filing Date
	TREAT MUSCULAR DYSTROPHY	
2018/07218	TREATMENT OF COMPLEMENT-MEDIATED DISORDERS	2018/10/29
2018/08086	METHOD OF TREATING DISEASES	2018/11/29
2018/08562	PHTHALAZINE DERIVATIVES AS INHIBITORS OF PARP1, PARP2 AND/OR TUBULIN USEFUL FOR THE TREATMENT OF CANCER	2018/12/19
2019/00360	CONTAINER WITH POUR SPOUT	2019/01/18
2019/00874	INHIBITORS OF CYCLIN-DEPENDENT KINASE 7 (CDK7)	2019/02/11
2019/00940	SELECTIVE CATALYTIC REDUCTION ARTICLES AND SYSTEMS	2019/02/13
2019/01059	FLOTATION METHOD	2019/02/19
2019/01308	AQUEOUS 2-(2,4-DICHLOROPHENYL)METHYL -4,4-DIMETHYL-3-ISOXAZOLIDINONE-BASED CAPSULE SUSPENSION CONCENTRATES	2019/03/01
2019/01321	TABLET COMPOSITIONS	2019/03/01
2019/01461	CIRCUIT BREAKER	2019/03/08
2019/02155	COMPOSITIONS AND METHODS FOR TREATMENT OF INSULIN RESISTANCE	2019/04/05
2019/02384	COMPOUNDS AND COMPOSITIONS FOR TREATING LEISHMANIASIS AND METHODS OF DIAGNOSIS AND TREATING USING SAME	2019/04/15
2019/02446	PYRIDIN-2(1H)-ONE QUINOLINONE DERIVATIVES AS MUTANT-ISOCITRATE DEHYDROGENASE INHIBITORS	2019/04/17
2019/02629	SELECTIVE INHIBITOR OF EXON 20 INSERTION MUTANT EGFR	2019/04/25
2019/02871	STEROIDS AND PROTEIN-CONJUGATES THEREOF	2019/05/07
2019/02895	APPARATUS AND METHOD OF FORMING A CHEMICAL SOLUTION	2019/05/09
2019/02985	METHOD, APPARATUS AND HOLDER FOR MOUNTING OF A DRILL BIT	2019/05/13
2019/03226	COMPOSITION FOR PROMOTING DIFFERENTIATION OF AND PROTECTING NEURAL STEM CELLS AND METHOD FOR INDUCING NEURAL REGENERATION USING SAME	2019/05/22
2019/03547	SYNTHETIC PAPER WITH IMPROVED TEAR PROPERTIES AND METHODS OF MANUFACTURING	2019/06/03
2019/03550	O/W EMULSION COMPRISING A C16-C30 FATTY ALCOHOL, AN ANIONIC SURFACTANT, AN OIL, A WAX AND A HYDROPHILIC SOLVENT	2019/06/03
2019/03602	ALUMINIUM ALLOYS FOR STRUCTURAL AND NON-STRUCTURAL NEAR NET	2019/06/05

Application Number	Patent Title	Filing Date
	CASTING, AND METHODS FOR PRODUCING SAME	
2019/03605	MODIFIED OLIGONUCLEOTIDES FOR TREATMENT OF POLYCYSTIC KIDNEY DISEASE	2019/06/05
2019/03892	SAMPLE PROCESSING MODULE ARRAY HANDLING SYSTEM AND METHODS	2019/06/14
2019/03898	ARRAYS INCLUDING A RESIN FILM AND A PATTERNED POLYMER LAYER	2019/06/14
2019/03984	METHODS OF USING THERMOSTABLE SERINE PROTEASES	2019/06/19
2019/03994	ION EXCHANGE MEMBRANE CHROMATOGRAPHY	2019/06/20
2019/04097	ANTI-IL-5 ANTIBODIES	2019/06/24
2019/04378	WATER PURIFICATION USING POROUS CARBON ELECTRODE	2019/07/03
2019/04384	THERAPEUTIC METHOD USING TOLEROGENIC PEPTIDES	2019/07/03
2019/04432	TREATMENT OF CANCER WITH A SEMAPHORIN-4D ANTIBODY IN COMBINATION WITH AN EPIGENETIC MODULATING AGENT	2019/07/05
2019/04469	HIGH-CONCENTRATION FLUENSULFONE FORMULATIONS, THEIR USES AND PROCESSES OF PREPARATION	2019/07/08
2019/04522	HETEROCYCLIC INHIBITORS OF MCT4	2019/07/10
2019/04623	MODULATING EXPRESSION OF POLYPEPTIDES VIA NEW GENE SWITCH EXPRESSION SYSTEMS	2019/07/15
2019/04830	IN VITRO PROPAGATION OF PRIMARY CANCER CELLS	2019/07/23
2019/04891	NOVEL METHODS FOR PROCESSING LIGNOCELLULOSIC MATERIAL	2019/07/25
2019/04966	HYDROCARBYLSULFONYL-SUBSTITUTED PYRIDINES AND THEIR USE IN THE TREATMENT OF CANCER	2019/07/29
2019/04967	HETEROARYLSULFONYL-SUBSTITUTED PYRIDINES AND THEIR USE IN THE TREATMENT OF CANCER	2019/07/29
2019/05023	ANTI-TRYPTASE ANTIBODIES, COMPOSITIONS THEREOF, AND USES THEREOF	2019/07/30
2019/05212	RESCUE TREATMENT OF POST OPERATIVE NAUSEA AND VOMITING	2019/08/07
2019/05496	DECOLORIZATION OF CONCENTRATED RHAMNOLIPID COMPOSITION	2019/08/20
2019/05607	A SYSTEM FOR FACILITATING ANONYMOUS REPORTING	2019/08/26
2019/06001	COMBINATION THERAPY FOR THE TREATMENT OR PREVENTION OF TUMOURS	2019/09/11
2019/06111	CYCLIC DI-NUCLEOTIDES COMPOUNDS	2019/09/16

Application Number	Patent Title	Filing Date
	FOR THE TREATMENT OF CANCER	
2019/06788	INFILL FOR ARTIFICIAL TURF SYSTEM	2019/10/15
2020/00405	COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR HIGHLY SECURE, HIGH SPEED ENCRYPTION AND TRANSMISSION OF DATA	2020/01/21
2020/00412	SELF-POWERED COMPUTING BUOY	2020/01/21
2020/00726	VIRTUAL OFFICE	2020/02/04
2020/00730	VIRTUAL MEETING PARTICIPANT RESPONSE INDICATION METHOD AND SYSTEM	2020/02/04
2020/00749	CRAWLER TRACK FOR TRACKED VEHICLES	2020/02/05
2020/00983	A PARTICLE DETECTION DEVICE AND A METHOD FOR DETECTING AIRBORNE PARTICLES	2020/02/17
2020/01151	MARKER COMPOSITIONS WITH NITROGEN COMPOUNDS, AND METHODS FOR MAKING AND USING SAME	2020/02/24
2020/01270	METHOD OF MAKING AN ORGANIC PLANT FERTILIZER AND ANIMAL FEED FROM WATER HYACINTH	2020/02/27
2020/01605	GLUCONIC ACID DERIVATIVES FOR USE IN THE TREATMENT AND/OR PREVENTION OF MICROBIAL INFECTIONS	2020/03/13
2020/01662	ENVIRONMENTAL CONTROL SYSTEM	2020/03/17
2020/01686	SEPARATION UNIT AND A DISPENSER COMPRISING A SEPARATION UNIT	2020/03/17
2020/01863	CONSTRUCTS HAVING A SIRP-ALPHA DOMAIN OR VARIANT THEREOF	2020/03/24
2020/01925	A MOBILE FIRE PROTECTION SYSTEM AND METHOD	2020/03/24
2020/02043	FLEXIBLE INTRA-SATELLITE SIGNAL PATHWAYS	2020/05/04
2020/02084	METHODS FOR SIMPLIFYING ADAPTIVE LOOP FILTER IN VIDEO CODING	2020/05/04
2020/02089	B CELL MATURATION ANTIGEN BINDING PROTEINS	2020/05/04
2020/02094	TRISPECIFIC PROTEINS AND METHODS OF USE	2020/05/04
2020/02103	COMPOUNDS AS MPGES-1 INHIBITORS	2020/05/04
2020/02217	ELECTRONIC AEROSOL PROVISION DEVICE	2020/05/04
2020/02575	SYSTEM FOR RECORDING VERIFICATION KEYS ON A BLOCKCHAIN	2020/05/08
2020/02712	CARTRIDGE FOR AN ELECTRONIC VAPING DEVICE	2020/05/13
2020/02840	METHOD FOR PRODUCING ALDEHYDE AND METHOD FOR PRODUCING ALCOHOL	2020/05/15

Application Number	Patent Title	Filing Date
2020/02856	GRANT-FREE UPLINK TRANSMISSIONS	2020/05/15
2020/02892	SUPPLEMENTARY UPLINK IN WIRELESS SYSTEMS	2020/05/18
2020/02912	METHOD AND SYSTEM FOR DETERMINING A HAZARD POTENTIAL OF AN ELECTRICAL INSTALLATION	2020/05/19
2020/03037	PROCESS FOR THE PREPARATION OF DRUG LINKER COMPOUNDS	2020/05/22
2020/03250	NETWORK INITIATED ON-DEMAND ZERO-ENERGY PAGING METHOD AND APPARATUS	2020/05/29
2020/03546	SYSTEM AND METHOD FOR CHARACTERIZING PROTEIN DIMERIZATION	2020/06/12
2020/03720	ELECTRONIC AEROSOL PROVISION SYSTEM	2020/06/19
2020/03770	MHC CLASS I ASSOCIATED PEPTIDES FOR PREVENTION AND TREATMENT OF MULTIPLE FLAVI VIRUS	2020/06/22
2020/03844	METHOD FOR PRODUCING AN EXTRACT OF CEREAL AND METHOD FOR PROCESSING THIS EXTRACT INTO BEVERAGE	2020/06/24
2020/03894	QUANTITATION AND MODELING OF QUALITY ATTRIBUTES OF THERAPEUTIC MONOCLONAL ANTIBODIES	2020/06/26
2020/04080	MICROORGANISMS AND METHODS FOR THE BIOLOGICAL PRODUCTION OF ETHYLENE GLYCOL	2020/07/03
2020/04099	METHYLENE CARBAMATE LINKERS FOR USE WITH TARGETED-DRUG CONJUGATES	2020/07/06
2020/04100	DIARYL MACROCYCLES AS MODULATORS OF PROTEIN KINASES	2020/07/06
2020/04120	SYSTEMS FOR AUTOMATED LOADING OF BLASTHOLES AND METHODS RELATED THERETO	2020/07/06
2020/04150	COMPOSITIONS AND METHODS FOR INCREASING PLANT GROWTH AND IMPROVING MULTIPLE YIELD-RELATED TRAITS	2020/07/07
2020/04218	AQUEOUS COMPOSITION AS ELECTROLYTE COMPRISING IONIC LIQUIDS OR LITHIUM SALTS	2020/07/09
2020/04220	TRIAZINE DERIVATIVES FOR TREATING DISEASES RELATING TO NEUROTROPHINS	2020/07/09
2020/04238	FLOW BATTERY SYSTEM	2020/07/10
2020/04255	SYSTEM AND METHOD FOR SECURELY SHARING CRYPTOGRAPHIC MATERIAL	2020/07/10
2020/04357	MACROCYCLES AS MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE	2020/07/15

Application Number	Patent Title	Filing Date
	CONDUCTANCE REGULATOR, PHARMACEUTICAL COMPOSITIONS THEREOF, THEIR USE IN THE TREATMENT OF CYCSTIC FIBROSIS, AND PROCESS FOR MAKING THEM	
2020/04432	ASSEMBLY AND METHOD FOR THE PREPARATION OF A WOUND DRESSING	2020/07/17
2020/04604	A ROLL FOR A ROLLER PRESS, AS WELL AS A ROLLER PRESS PROVIDED WITH SUCH A ROLL	2020/07/24
2020/04701	ANTI-B7-H4 ANTIBODY, ANTIGEN-BINDING FRAGMENT THEREOF AND PHARMACEUTICAL USE THEREOF	2020/07/29
2020/04942	FASORACETAM CRYSTALLINE FORMS	2020/08/11
2020/05001	HIGH POWER ION BEAM GENERATOR SYSTEMS AND METHODS	2020/08/13
2020/05049	A PROCESS FOR RECOVERING PROTEINACEOUS AND/OR FIBROUS MATERIAL FROM BREWERS' SPENT GRAINS, AND USE THEREOF	2020/08/14
2020/05153	ENTERIC SOFTGEL CAPSULES	2020/08/19
2020/05178	PLUNGE POOL	2020/08/20
2020/05194	ARTHROSCOPIC SHOULDER ARTHROPLASTY, COMPONENTS, INSTRUMENTS, AND METHOD THEREOF	2020/08/20
2020/05259	ANTI-CTLA4 ANTIBODIES AND METHODS OF MAKING AND USING THE SAME	2020/08/24
2020/05351	METHOD FOR THE PRODUCTION OF PORTIONS OF MANUFACTURE BY MEANS OF A CIRCULAR KNITTING MACHINE WITH NEEDLE CYLINDER THAT CAN BE ACTUATED WITH AN ALTERNATING ROTARY MOTION ABOUT ITS OWN AXIS	2020/08/27
2020/05363	IMPLEMENTING PUSH-TO-TALK IN A MULTIMEDIA CONFERENCING SYSTEM	2020/08/27
2020/05391	A PROCESS FOR IMPROVING CARBON CONVERSION EFFICIENCY	2020/08/28
2020/05392	INTEGRATED PROCESS FOR FILTERING CONSTITUENTS FROM A GAS STREAM	2020/08/28
2020/06219	CARBON CAPTURE SYSTEM COMPRISING A GAS TURBINE	2020/10/07
2020/06446	PROCESS AND A PLANT FOR SEPARATING A HYDROCARBON MIXTURE	2020/10/16
2020/06547	MOLECULE HAVING PESTICIDAL UTILITY, AND COMPOSITIONS, AND PROCESSES, RELATED THERETO	2020/10/21
2020/06776	THERMAL RADIATION LOSS REDUCTION IN A PARABOLIC TROUGH RECEIVER BY THE APPLICATION OF A CAVITY MIRROR AND A HOT MIRROR COATING	2020/10/29

Application Number	Patent Title	Filing Date
2020/07108	FRUSTOCONICAL HAIR PUNCH	2020/11/13
2020/07623	A LASER FOR REAL-TIME GENERATION OF HIGH-ORDER FREQUENCY-DOUBLED (SECOND-HARMONIC) LASER MODES WITH POLARISATION CONTROL	2020/12/07
2021/00191	METHOD AND DEVICE FOR ESTIMATING A NUMBER OF DISTINCT SUBSCRIBERS OF A TELECOMMUNICATION NETWORK IMPACTED BY NETWORK ISSUES	2021/01/12
2021/00991	NOVEL TRANSCRIPTION ACTIVATOR	2021/02/12
2021/01251	PIEZOELECTRIC SENSORS COMPRISING ELECTROSPUN POLY [(R)-3-HYDROXYBUTYRATE-CO-(R)-3-HYDROXYHEXANOATE] (PHBHX) NANOFIBERS	2021/02/24
2021/01373	FUNGICIDAL NITROANILINO SUBSTITUTED PYRAZOLES	2021/02/26
2021/01984	METHOD AND APPARATUS FOR BURST TRANSMISSION	2021/03/24
2021/02079	ENERGY STORAGE SYSTEM AND METHOD TO IMPROVE BATTERY PERFORMANCE	2021/03/26
2021/02260	DURABLE BIOFOULING PROTECTION	2021/04/06
2021/02319	BIODEGRADABLE PROFILE EXTRUDED ARTICLES	2021/04/08
2021/02617	SYSTEM FOR MONITORING A RAILROAD AXLE AND PERIPHERALS	2021/04/20
2021/02675	COMPOSITION	2021/04/21
2021/02804	MULTIMEDIA CONFERENCING PLATFORM AND METHOD	2021/04/28
2021/02843	METHOD AND SYSTEM FOR GENERATING NON-THERMAL PLASMA	2021/04/28
2021/02897	PRODUCTION OF HYDROXYETHYLPIPERAZINE	2021/04/29
2021/02906	LIQUID PROTEIN FORMULATIONS CONTAINING VISCOSITY-LOWERING AGENTS	2021/04/30
2021/03215	HIGH TEMPERATURE SUPERCONDUCTOR MAGNET	2021/05/12
2021/03241	PROCEDURE FOR THE FILLING OF SOLIDS IN PHARMACEUTICAL CONTAINERS AND THE SEALING THEREOF UNDER STERILE CONDITIONS	2021/05/13
2021/03360	A BUCKET FOR AN EARTH-WORKING OR MATERIALS-HANDLING MACHINE	2021/05/18
2021/03717	BISPECIFIC ANTIBODY AND USE THEREOF	2021/05/31
2021/03721	HERBICIDE	2021/05/31
2021/03913	REVERSIBLE BRACKET	2021/06/07
2021/03920	YIELDING MINE SUPPORT PACK	2021/06/08
2021/03931	ZEOLITE AGGLOMERATE MATERIAL, METHOD OF PRODUCTION, AND USE	2021/06/08

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	FOR THE NON-CRYOGENIC SEPARATION OF GAS	
2021/03937	DEVICE FOR CONTAINING GRANULAR ELEMENTS	2021/06/08
2021/04048	ANTI-IL-17A ANTIBODY AND USE THEREOF	2021/06/11
2021/04151	DEVICE FOR OPTICAL INSPECTION OF PARISONS	2021/06/17
2021/04162	COMPOSITIONS COMPRISING STREPTOCOCCUS PNEUMONIAE POLYSACCHARIDE-PROTEIN CONJUGATES AND METHODS OF USE THEREOF	2021/06/17
2021/04213	ANTIBODIES THAT NEUTRALIZE HEPATITIS B VIRUS AND USES THEREOF	2021/06/18
2021/04423	AZA-HETEROBICYCLIC INHIBITORS OF MAT2A AND METHODS OF USE FOR TREATING CANCER	2021/06/25
2021/04449	VIDEO ENCODING AND DECODING	2021/06/28
2021/04509	TABLETED CANNABINOID CHEWING GUM WITH LAYERED STRUCTURE	2021/06/29
2021/04517	WHEEL ASSEMBLY INCLUDING INNER AND OUTER RIM COUPLED HYDRAULIC DAMPERS AND RELATED METHODS	2021/06/29
2021/04617	PHARMACEUTICAL COMPOUND, THE METHOD OF ITS MAKING AND USE AS MEDICINAL AGENT	2021/07/02
2021/04675	ANTICANCER COMPOUNDS	2021/07/05
2021/04679	L718 AND/OR L792 MUTANT TREATMENT-RESISTANT EGFR INHIBITOR	2021/07/05
2021/04742	AIRPORT STAND ARRANGEMENT	2021/07/07
2021/04745	DEVICES, METHODS, AND SYSTEMS FOR COLLECTION OF VOLATILE ORGANIC COMPOUNDS	2021/07/07
2021/04746	NOVEL TRYPANOSOMAL VACCINE	2021/07/07
2021/04747	NOVEL TRYPANOSOMAL VACCINE	2021/07/07
2021/04786	DEUTETRABENAZINE FOR THE TREATMENT OF DYSKINESIA IN CEREBRAL PALSY	2021/07/08
2021/04915	COBALT CATALYSTS AND PRECURSORS THEREFOR	2021/07/13
2021/04960	METHODS OF TREATING PAIN WITH A THIAZOLINE ANTI-HYPERALGESIC	2021/07/14
2021/04980	BATTERY PACK ASSEMBLY	2021/07/15
2021/04981	BATTERY PACK ASSEMBLY	2021/07/15
2021/05024	INSECTICIDAL FORMULATION FOR VECTOR AND PEST CONTROL WITH INCREASED CONTACT EFFICACY	2021/07/16
2021/05026	INSECTICIDAL FORMULATION FOR VECTOR AND PEST CONTROL WITH INCREASED CONTACT EFFICACY	2021/07/16

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2021/05148	DATA PROCESSING DEVICE, DATA PROCESSING SYSTEM, AND DATA PROCESSING METHOD	2021/07/21
2021/05199	METHOD OF CONTROLLING A DRILLING PROCESS OF A PERCUSSION DRILLING MACHINE	2021/07/22
2021/05279	PRODUCTION OF BIO-BASED LIQUEFIED PETROLEUM GAS	2021/07/26
2021/05285	ANTIBODY AGAINST HUMAN IL-4RA AND USE THEREOF	2021/07/26
2021/05423	METHODS AND MICROORGANISMS FOR MAKING 2,3-BUTANEDIOL AND DERIVATIVES THEREOF FROM C1 CARBONS	2021/07/30
2021/05444	SYSTEMS, APPARATUS AND METHODS FOR INTER PREDICTION REFINEMENT WITH OPTICAL FLOW	2021/07/30
2021/05518	AMMUNITION BODY HOLDING DEVICE COMPRISING AN EXPANDABLE HOLDING ELEMENT	2021/08/03
2021/05542	VARIABLE PITCH CONTROL METHOD AND SYSTEM FOR ASYMMETRIC-AIRFOIL VERTICALAXIS WIND TURBINE	2021/08/06
2021/05576	PLASMA DETOXIFICATION METHODS AND SYSTEMS	2021/08/06
2021/05577	THREE-DIMENSIONAL PRINTING OF A POROUS MATRIX ON A CONTAINER	2021/08/06
2021/05580	REMOVAL OF INTERFERENCE OF ABSORBERS FROM INTENSITY DATA	2021/08/06
2021/05642	GRANULATED SUBSTANCE LOADING METHOD	2021/08/10
2021/05647	A COMPOSITE MATERIAL AND A METHOD TO PREPARE THE COMPOSITE	2021/08/10
2021/05664	PROCESS FOR RECOVERING CLOSE BOILING PRODUCTS	2021/08/05
2021/05707	GRANT-FREE UPLINK TRANSMISSIONS	2021/08/12
2021/05784	DEEP ULTRAVIOLET LIGHT-EMITTING DIODE	2021/08/13
2021/05934	TRANSMITTING A SYMBOL FROM A PLURALITY OF ANTENNAS	2021/08/18
2021/05974	FOLDABLE ELECTRONIC DEVICE COMPRISING PROTECTION MEMBER	2021/08/19
2021/06065	CURTAIN WALL	2021/08/23
2021/06305	REFRACTORY COMPOUND AND BINDER THEREFOR, METHOD FOR THE PRODUCTION AND USE THEREOF	2021/08/30
2021/06602	CLAUDIN 6 ANTIBODIES AND USES THEREOF	2021/09/08
2021/06852	GEOSPATIAL AGGREGATING AND LAYERING OF FIELD DATA	2021/09/17
2021/06916	Drive Arrangement	2021/09/17
2021/07118	VERMICULAR CAST IRON ALLOY,	2021/09/23

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	COMBUSTION ENGINE BLOCK AND HEAD	
2021/07428	PORCINE CIRCOVIRUS TYPE 3 (PCV3) VACCINES, AND PRODUCTION AND USES THEREOF	2021/10/01
2021/07516	LOGGING MOBILE PHONE COMMUNICATIONS	2021/10/06
2021/08216	TUNNEL FOR DRYING FRUIT AND VEGETABLES	2021/10/25
2021/08217	LIPID-BASED NANOPARTICLES AND USE OF SAME IN OPTIMIZED INSULIN DOSING REGIMENS	2021/10/25
2021/08247	A COMPUTER IMPLEMENTED SYSTEM FOR MEASURING GREENHOUSE GAS EMITTING ACTIVITIES OF A USER	2021/10/26
2021/08347	A SYSTEM FOR GENERATING ELECTRIC POWER	2021/10/28
2021/08844	PORTABLE COMMUNICATION DEVICE INCLUDING SEALING MEMBER	2021/11/09
2021/08943	FOLDABLE ELECTRONIC DEVICE INCLUDING DISPLAY PROTECTION STRUCTURE	2021/11/11
2021/09181	TYRE SIDEWALL IMAGING METHOD	2021/11/17
2021/09238	DISLODGEMENT APPARATUS FOR A SWIMMING POOL CLEANER DEVICE	2021/11/18
2021/09514	CRYSTALLINE FORM OF SOFPIRONIUM BROMIDE AND PREPARATION METHOD THEREOF	2021/11/24
2021/09728	SYSTEM UTILIZING SEA ICE FLOE IN DESERT AND METHOD THEREOF	2021/11/29
2021/09729	METHOD FOR BUILDING ARTIFICIAL DESERT HILLS BY WASTE TYRES	2021/11/29
2021/09730	MULTI-COMPRESSOR AND MULTI-FUNCTION ELECTRICITY GENERATING SYSTEM DIRECTLY LINKING TO WINDMILL	2021/11/29
2021/09829	SUPER-OXIDE DISMUTASE SOLUBLE FIBER COMPOSITIONS	2021/12/01
2021/09835	METHOD FOR MANAGING FOREST RESOURCE AND ITS SYSTEM THEREOF	2021/12/01
2021/09851	COMPLEX SYSTEM FOR UTILIZING FOREST BIOMASS ENERGY AND ITS METHOD THEREOF	2021/12/01
2021/09954	A METHOD FOR PRODUCING A BUILDING OR CONSTRUCTION MATERIAL USING WASTE PLASTIC	2021/12/03
2021/10033	NANOFLUIDS	2021/12/06
2021/10571	SYSTEM, APPARATUS, AND METHOD TO PERFORM LEVELING FOR BOREHOLE DRILLS	2021/12/17
2022/00225	METHOD AND SYSTEM FOR USING THE CARBON OXIDE ARISING IN THE	2022/01/04

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	PRODUCTION OF ALUMINIUM	
2022/00227	STABLE ORAL COMPOSITION OF CYCLOPHOSPHAMIDE	2022/01/04
2022/00264	TREATMENT OF PARTICULATE FILTERS	2022/01/05
2022/00265	PROCESS TO PREPARE SOLUTION FROM HYDROFORMYLATION PROCESS FOR PRECIOUS METAL RECOVERY	2022/01/05
2022/00275	METHODS AND COMPOSITIONS FOR CONFERRING AND/OR ENHANCING HERBICIDE TOLERANCE USING PROTOPORPHYRINOGEN IX OXIDASE OF VARIOUS CYANOBACTERIA OR VARIANT THEREOF	2022/01/05
2022/00316	DIGITAL DISPLAY METHOD AND SYSTEM, DIGITAL DISPLAY DEVICE AND DIGITAL DISPLAY SERVER	2022/01/06
2022/00540	PROCESS AND SYSTEM FOR CONVEYING FRUIT AND VEGETABLES WITH AN ORIENTED STALK	2022/01/11
2022/00581	GAMING VIDEO PROCESSING SYSTEM	2022/01/12
2022/00835	IDENTIFICATION OF RESISTANCE GENES FROM WILD RELATIVES OF BANANA AND THEIR USES IN CONTROLLING PANAMA DISEASE	2022/01/18
2022/00958	METHOD AND APPARATUS FOR PRODUCING A NONWOVEN FABRIC MADE OF CRIMPED SYNTHETIC FIBERS	2022/01/20
2022/01432	LASER GUIDE SYSTEM	2022/01/31
2022/01433	BOOM CONTROL SYSTEM	2022/01/31
2022/01434	ROOF BOLT DRILL SYSTEM	2022/01/31
2022/01548	ACTUATED AIR FILTER DUST VALVE	2022/02/03
2022/01620	METHODS AND SYSTEMS FOR DETERMINING PART WEAR USING A BOUNDING MODEL	2022/02/07
2022/01669	INTRATHECAL ADMINISTRATION OF LEVETIRACETAM	2022/02/08
2022/01833	CLAD 2XXX-SERIES AEROSPACE PRODUCT	2022/02/11
2022/01883	RETAINER SLEEVE DESIGN WITH ANTI-ROTATION FEATURES FOR A GROUND ENGAGING TOOL	2022/02/14
2022/01889	A UROKINASE PLASMINOGEN ACTIVATOR RECEPTOR-TARGETING PEPTIDE	2022/02/14
2022/01976	INHALER ARTICLE WITH FOLDED DISTAL END	2022/02/16
2022/02180	ENGINEERED HCV E2 IMMUNOGENS AND RELATED VACCINE COMPOSITIONS	2022/02/21
2022/02223	A LOADING-HAULING-DUMPING (LHD) MACHINE	2022/02/22
2022/02322	EXPRESSION VECTOR AGAINST SEVERE ACUTE RESPIRATORY SYNDROME	2022/02/23

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	VIRUS SARS-COV-2	
2022/02383	METHOD FOR MAKING MICRONEEDLES USING A HIGH VISCOSITY COMPOSITION	2022/02/24
2022/02506	A SYSTEM FOR THE SAFE COUPLING OF A RE-USABLE BAG TO A BANKNOTE HANDLING AND STORING MACHINE AND RELEVANT USE METHOD	2022/02/28
2022/02601	PROCESSING OF COMMERCIALLY REJECTED FRESH PRODUCE	2022/03/03
2022/02619	BICYCLIC CARBOXYLATES AS MODULATORS OF TRANSPORTERS AND USES THEREOF	2022/03/03
2022/02626	7-OXA-3,4-DIAZABICYCLO [4.1.0] HEPT-4-EN-2-ONE COMPOUND AND HERBICIDE	2022/03/03
2022/02628	NOVEL CRISPR DNA TARGETING ENZYMES AND SYSTEMS	2022/03/03
2022/02629	METHOD AND DEVICE FOR LOADING A MATERIAL IN LAYERS, AND SYSTEM COMPRISING SUCH A DEVICE	2022/03/03
2022/02675	METHOD AND APPARATUS FOR OPERATION OF RAILWAY SYSTEMS	2022/03/04
2022/02736	ELECTRONIC DEVICE FOR ADJUSTING TRANSMISSION POWER BASED ON SAR AND METHOD FOR OPERATING SAME	2022/03/07
2022/02737	OPTIMIZED ANALYTE DERIVATIZATION FOR SYNERGISTIC APPLICATION WITH CRYSTAL SPONGE METHOD	2022/03/07
2022/02743	METHOD OF MANUFACTURING MICROSTRUCTURES	2022/03/07
2022/02821	DIRECT ENHANCED VIEW OPTIC	2022/03/09
2022/02986	AGENT FOR INDUCTION OF SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS (SARS-COV-2) IN LIQUID FORM (VERSIONS)	2022/03/11
2022/03025	ESTROGEN-RELATED RECEPTOR ALPHA (ERR?) MODULATORS	2022/03/14
2022/03140	PHARMACEUTICAL COMPOSITION COMPRISING THROMBOLYTIC PEPTIDE-TETRAHYDROISOQUINOLINE CONJUGATE	2022/03/16
2022/03146	FOOD BOWL KIT	2022/03/16
2022/03174	CORNER CONNECTOR ARRANGEMENT FOR A FENESTRATION SYSTEM	2022/03/17
2022/03357	RIFABUTIN TREATMENT METHODS, USES, AND COMPOSITIONS	2022/03/22
2022/03501	TROLLEY MANAGEMENT SYSTEM AND METHOD	2022/03/25
2022/03603	MITORIBOSCINS: MITOCHONDRIAL-BASED THERAPEUTICS TARGETING CANCER CELLS, BACTERIA, AND PATHOGENIC YEAST	2022/03/29

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2022/03771	BIOFOULING PROTECTION OF ELEVATED VOLUME/VELOCITY FLOWS	2022/04/01
2022/03865	ADJUSTABLE ROCK KNOCKER BRACKET	2022/04/05
2022/03971	CHEMISTRY VESSEL AGITATOR	2022/04/07
2022/03972	COMPOSITIONS AND METHODS FOR RESTORING OR INCREASING TISSUE PERFUSION	2022/04/07
2022/03993	CONCENTRATED AQUEOUS SUSPENSION OF MICROFIBRILLATED CELLULOSE COMPRISING SALTS FOR PLANT NUTRITION	2022/03/29
2022/04104	ELECTROCHROMIC DEVICE AND PREPARATION METHOD THEREOF, AND APPARATUS	2022/04/12
2022/04206	PESTICIDALLY ACTIVE FUSED BICYCLIC HETEROAROMATIC COMPOUNDS	2022/04/13
2022/04223	VACCINATION WITH MICA/B ALPHA 3 DOMAIN FOR THE TREATMENT OF CANCER	2022/04/14
2022/04436	SYSTEMS AND METHODS FOR STRUCTURED ILLUMINATION MICROSCOPY	2022/04/20
2022/04862	AMORPHOUS SOLID SUCCINYLATED 3-(FATTY ACID AMIDO)-2-HYDROXY-1-(PROTECTED HYDROXY)-PROPANE SALTS AND METHODS OF MAKING THE SAME	2022/05/03
2022/04939	COMPOUNDS FOR TREATMENT OF EYE DISEASES ASSOCIATED WITH EXCESSIVE VASCULARISATION	2022/05/05
2022/05147	SYSTEM AND METHOD FOR INSTRUCTING ONE OR MORE WEATHER DRONES	2022/05/10
2022/05674	TRANSFERRING DATA FLOWS FOR PDU SESSIONS AT 5GS TO EPS MOBILITY	2022/05/23
2022/05753	STOVE, CONTROL SYSTEM, AND METHOD FOR CONTROLLING THE SAME	2022/05/24
2022/06018	PROCESSES AND SYSTEMS FOR FORMATION OF RECYCLE-CONTENT HYDROCARBON COMPOSITIONS	2022/05/30
2022/06215	ELECTROLYTIC REACTION SYSTEM FOR PRODUCING GASEOUS HYDROGEN AND OXYGEN	2022/06/02
2022/06303	INNER COVERING FOR CONTAINERS	2022/06/07
2022/06304	OPTIMIZED METHOD FOR PROCESSING PLASTIC PYROLYSIS OILS FOR IMPROVING THEIR USE	2022/06/07
2022/06343	SELECTING A DESIRED ITEM FROM A SET OF ITEMS	2022/06/08
2022/06386	CANNABIDIOL-TYPE CANNABINOID COMPOUND	2022/06/08
2022/06480	STRAIN- OR MAGNETIC FIELD-BASED	2022/06/10

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	QUENCH DETECTION	
2022/06600	A COMPOSITE CONDUCTOR	2022/06/15
2022/06667	ANTISENSE NUCLEIC ACID THAT INDUCES SKIPPING OF EXON 50	2022/06/15
2022/06742	OVERCURRENT DETECTOR	2022/06/17
2022/07055	INFUSION PUMP WITH SAFETY SEQUENCE KEYPAD	2022/06/24
2022/07328	ZEOLITE COMPOSITION SUITABLE FOR TANNING LEATHER	2022/07/01
2022/07331	MONOPILE FOUNDATION GUIDING DEVICE	2022/07/01
2022/07386	FILTERING-BASED IMAGE CODING DEVICE AND METHOD	2022/07/04
2022/07387	METHOD WHICH BRINGS BENEFITS TO HEALTH AND/OR GROWTH OF USEFUL PLANTS	2022/07/04
2022/07388	METHOD FOR MANUFACTURING LAMINATED TINPLATE, A LAMINATED TINPLATE PRODUCED THEREBY AND USE THEREOF	2022/07/04
2022/07392	HYDRATABLE CONCENTRATED SURFACTANT COMPOSITION	2022/07/04
2022/07395	COMPOSITIONS AND METHODS FOR TREATING HEMOGLOBINOPATHIES	2022/07/04
2022/07433	ELECTROCHEMICAL CELL PLANT	2022/07/05
2022/07448	SELECTIVE CDK4/6 INHIBITOR CANCER THERAPEUTICS	2022/07/05
2022/07449	SELECTIVE CDK4/6 INHIBITOR CANCER THERAPEUTICS	2022/07/05
2022/07493	COMPOUNDS AND THEIR USE FOR THE TREATMENT OF ALPHA1-ANTITRYPSIN DEFICIENCY	2022/07/06
2022/07496	WIRELESS ELECTRONIC DETONATOR COMPRISING A POWER SWITCH CONTROLLED BY AN OPTICAL SIGNAL, WIRELESS DETONATION SYSTEM AND METHOD FOR ACTIVATING SUCH A DETONATOR	2022/07/06
2022/07531	METHODS OF DIAGNOSING AND TREATING CERVICAL CANCER	2022/07/07
2022/07539	COMPOSITION AND METHODS OF MANUFACTURE	2022/07/07
2022/07543	PYRIDAZINYL-THIAZOLECARBOXAMIDE COMPOUND	2022/07/07
2022/07546	SURFACTANTS FOR AGRICULTURAL PRODUCTS	2022/07/07
2022/07547	SURFACTANTS FOR USE IN PERSONAL CARE AND COSMETIC PRODUCTS	2022/07/07
2022/07550	SURFACTANTS FOR CLEANING PRODUCTS	2022/07/07
2022/07551	SURFACTANTS FOR USE IN HEALTHCARE PRODUCTS	2022/07/07

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2022/07552	SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES	2022/07/07
2022/07553	PULVERIZER SYSTEM AND MILLSIDE CONFIGURATION FOR A PULVERIZER SYSTEM	2022/07/07
2022/07597	METHOD FOR THE RECOVERY OF PLATINUM GROUP METALS FROM CATALYSTS COMPRISING SILICON CARBIDE	2022/07/08
2022/07662	METHOD OF PROCESSING POLYCRYSTALLINE DIAMOND MATERIAL	2022/07/11
2022/07663	POLYCRYSTALLINE DIAMOND CONSTRUCTIONS & METHODS OF MAKING SAME	2022/07/11
2022/07664	POLYCRYSTALLINE DIAMOND CONSTRUCTIONS & METHODS OF MAKING SAME	2022/07/11
2022/07668	A HOME CARE COMPOSITION COMPRISING DEHYDROACETIC ACID	2022/07/11
2022/07718	LAUNDRY DETERGENT PRODUCT	2022/07/12
2022/07720	IMAGE CODING METHOD BASED ON TRANSFORM, AND DEVICE THEREFOR	2022/07/12
2022/07729	SOLID STATE FORM OF PYROXASULFONE	2022/07/12
2022/07787	CHROMATOGRAPHIC METHOD FOR SEPARATING TRANSITION METALS	2022/07/13
2022/07799	PROCESS FOR THE REMOVAL OF PARTICULATE MATTER FROM AN AQUEOUS STREAM	2022/07/13
2022/07800	PICTURE SPLITTING-BASED IMAGE CODING DEVICE AND METHOD	2022/07/13
2022/07802	IMAGE DECODING METHOD AND APPARATUS FOR CODING IMAGE INFORMATION INCLUDING PICTURE HEADER	2022/07/13
2022/07803	CO-PRODUCTION OF METHANOL, AMMONIA AND UREA	2022/07/13
2022/07804	COMPOUNDS AND USES THEREOF	2022/07/13
2022/07826	STEEL FORMWORK TROLLEY FOR TUNNEL LINING	2022/07/14
2022/07846	MICROORGANISM COMPRISING VARIANT LYSE AND METHOD OF L-AMINO ACID PRODUCTION USING SAME	2022/07/14
2022/07848	LIGHTWEIGHT POWERED HANDPIECE FOR A LIPOSUCTION DEVICE AND MEDICAL DEVICE COMPRISING SAME	2022/07/14
2022/07849	REGULATORY NUCLEIC ACID SEQUENCES	2022/07/14
2022/07852	METAL, CERAMIC, OR CERAMIC-COATED TRANSACTION CARD WITH WINDOW OR WINDOW PATTERN AND OPTIONAL BACKLIGHTING	2022/07/14

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2022/07893	TREATMENT OF ADRENOCORTICAL CARCINOMA WITH SELECTIVE GLUCOCORTICOID RECEPTOR MODULATORS (SGRMS) AND ANTIBODY CHECKPOINT INHIBITORS	2022/07/15
2022/07898	LAUNDRY DETERGENT PRODUCT	2022/07/15
2022/07902	DEVICE FOR APPLYING VIBRATIONS TO PASSENGER CARS	2022/07/15
2022/07903	OPTICAL TERMINAL BOX FOR DISTRIBUTING OPTICAL POWER	2022/07/15
2022/07904	OPTICAL TERMINAL BOX FOR INDOOR USE	2022/07/15
2022/07905	SURFACTANTS FOR OIL AND GAS PRODUCTION	2022/07/15
2022/07961	AUTOMATIC POOL CLEANER	2022/07/18
2022/07966	METHOD FOR THE MANUFACTURE OF POST-DEFORMABLE HIGH-PRESSURE COMPOSITE AND PRODUCT OBTAINED THEREFROM	2022/07/18
2022/07971	METHOD FOR PRODUCING CATALYST, AND METHOD FOR PRODUCING ACRYLIC ACID	2022/07/18
2022/07973	RAILROAD FREIGHT CAR COUPLING SYSTEM	2022/07/18
2022/07976	SYSTEM AND METHOD FOR DISENTANGLING FEATURES SPECIFIC TO USERS, ACTIONS AND DEVICES RECORDED IN MOTION SENSOR DATA	2022/07/18
2022/08018	WIND FARM, HIGH VOLTAGE RIDE THROUGH CONTROL METHOD THEREFOR, SYSTEM, MMC AND MACHINE-SIDE INVERTER	2022/07/19
2022/08023	LAYERED NEUTRON SHIELDING	2022/07/19
2022/08031	CONTAINERIZED PRESSURE SWING ADSOPRTION (PSA) UNITS FOR PROCESSING BIOGAS	2022/07/19
2022/08033	USE OF 5-AMINO-2,3-DIHYDRO-1,4-PHTHALAZINEDIONE IN THE INHALATORY TREATMENT OF INFLAMMATORY PULMONARY DISEASES	2022/07/19
2022/08035	MEDICAL SHEET	2022/07/19
2022/08036	CAMBERING DEVICE FOR PROFILED SAIL	2022/07/19
2022/08037	PROCESS OF MANUFACTURING HOLLOW SPHERICAL GLASS PARTICLES	2022/07/19
2022/08039	BOTTLE AND REFILL	2022/07/19
2022/08049	DISPOSABLE INCONTINENCE NAPPY HAVING ASYMMETRICAL FOLDING OF THE REAR SIDE SECTIONS	2022/07/19
2022/08080	ARTHROSCOPIC SHOULDER ARTHROPLASTY, COMPONENTS, INSTRUMENTS, AND METHOD THEREOF	2022/07/20

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2022/08097	VALVE	2022/07/20
2022/08169	PNEUMATIC DISPENSER FOR SOWING MULTIFORM SEEDS IN LOW AND HIGH DOSES	2022/07/21
2022/08170	VOLUMETRIC MEDIA PROCESS METHODS AND APPARATUS	2022/07/21
2022/08173	A PROCESS FOR THE REMOVAL OF NOX AND DINITROGEN OXIDE IN PROCESS OFF-GAS	2022/07/21
2022/08178	SOIL STABILISER	2022/07/21
2022/08273	A SOAP COMPOSITION	2022/07/25
2022/08275	APPLICATOR	2022/07/25
2022/08340	PRETREATMENT ARRANGEMENT COMPRISING A SCRAPING DEVICE	2022/07/26
2022/08341	ARRANGEMENT AND METHOD FOR PRETREATMENT OF BIOMASS	2022/07/26
2022/08345	PRETREATMENT ARRANGEMENT COMPRISING A SLUICE VESSEL	2022/07/26
2022/08349	A CLEANING COMPOSITION	2022/07/26
2022/08352	POST CONSUMER RESIN PACKAGING	2022/07/26
2022/08406	NOVEL HYDROQUINONE DERIVATIVES	2022/07/27
2022/08477	APPARATUSES, SYSTEMS, AND METHODS FOR HEATING WITH ELECTROMAGNETIC WAVES	2022/07/28
2022/08525	3D CONCRETE PRINTING WITH FLEXIBLE REINFORCING STRUCTURE	2022/07/29
2022/08529	A HEATING SYSTEM AND A METHOD FOR HEATING A CHOSEN MEDIA	2022/07/29
2022/08588	ANTIBODIES AGAINST KLK5	2022/08/01
2022/08589	ANTIBODIES AGAINST KLK5	2022/08/01
2022/08633	DOUBLE FRICTION DRAFT GEAR ASSEMBLY	2022/08/02
2022/08634	MANUFACTURER OF ICE FOR FOOD USE WITH AN INCORPORATED ICE CONTAINER HAVING AN INTEGRATED SANITISING SYSTEM	2022/08/02
2022/08679	THERAPEUTIC ENGINEERED MICROBIAL CELL SYSTEMS AND METHODS FOR TREATING HYPERURICEMIA AND GOUT	2022/08/03
2022/08744	STRUCTURE PROTECTION SHEET, CONCRETE BLOCK, AND METHOD FOR MANUFACTURING REINFORCED STRUCTURE	2022/08/04
2022/08745	ELECTRIC RESISTANCE WELDED STEEL PIPE, METHOD FOR MANUFACTURING THE SAME, AND AUTOMOTIVE STRUCTURAL MEMBER	2022/08/04
2022/08746	PRE-SCREENING AND TUNING HETEROJUNCTIONS FOR TOPOLOGICAL QUANTUM COMPUTER	2022/08/04
2022/08748	CONVEYOR-BELT DRUM WITH SLIDING REGIONS	2022/08/04

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2022/08750	SYSTEM AND METHOD FOR MANUFACTURING AND ASSEMBLING PACKAGED ELECTRONIC MODULES	2022/08/04
2022/08753	A SOAP BAR WITH HIGH WATER CONTENT	2022/08/04
2022/08792	METHODS OF TREATING AND PREVENTING GRAFT VERSUS HOST DISEASE	2022/08/05
2022/08860	DEGRADATIVE METHOD	2022/08/08
2022/08862	CUTIBACTERIUM ACNES STRAIN AND MEDICAL USES THEREOF	2022/08/08
2022/08927	AN INSTRUMENT PANEL FOR A VEHICLE	2022/08/10
2022/08933	NOVEL GLUTAMINE-HYDROLYZING GMP SYNTHASE VARIANT AND METHOD FOR PRODUCING PURINE NUCLEOTIDE BY USING SAME	2022/08/10
2022/08999	BIASED IL2 MUTEINS METHODS AND COMPOSITIONS	2022/08/11
2022/09045	NOVEL ANTI-LAM AND ANTI-PIM6/LAM MONOCLONAL ANTIBODIES FOR DIAGNOSIS AND TREATMENT OF MYCOBACTERIUM TUBERCULOSIS INFECTIONS	2022/08/12
2022/09060	ENGINEERED ANTI-IL-2 ANTIBODIES	2022/08/12
2022/09067	POWER SAVING METHODS FOR A MOBILE STATION	2022/08/12
2022/09068	DIAMINE-LINKED RECEPTOR-SPECIFIC CYCLIC PEPTIDES	2022/08/12
2022/09070	A SYSTEM AND METHOD FOR THE IMPARTING OF OPTICAL DIGITAL CPUS AND ROMS TO DIVERSE PHYSICAL OBJECTS	2022/08/12
2022/09071	PICKUP TRUCK CARGO BOX SUBASSEMBLY	2022/08/12
2022/09074	METHOD FOR EXTRACTING VANADIUM FROM VANADIUM SLAG BY CARBONATION LEACHING AND RECYCLING MEDIUM	2022/08/12
2022/09075	METHOD FOR EXTRACTING VANADIUM FROM VANADIUM-CONTAINING CARBONATE LEACHING SOLUTION AND RECYCLING RAFFINATE FROM VANADIUM PRECIPITATION PROCESS	2022/08/12
2022/09079	MICROCRYSTALLINE GLASS, AND MICROCRYSTALLINE GLASS PRODUCT AND MANUFACTURING METHOD THEREFOR	2022/08/12
2022/09080	PANEL JOINING ARRANGEMENT FOR A VEHICLE CANOPY	2022/08/11
2022/09081	REACTOR AND METHOD FOR CARRYING OUT A CHEMICAL REACTION	2022/08/11
2022/09126	EXCISION APPARATUS COMPRISING A	2022/08/15

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	HOUSING PROVIDED WITH A FIXATION PORTION	
2022/09159	MTORC MODULATORS AND USES THEREOF	2022/08/16
2022/09179	ROBOTIZED LADLE TURRET SYSTEM	2022/08/16
2022/09180	COMPOSITIONS AND METHODS FOR TREATING LONG COVID	2022/08/16
2022/09184	HYDRATABLE COSMETIC COMPOSITION	2022/08/16
2022/09242	FLANGE MOUNT CYLINDER SENSOR	2022/08/17
2022/09243	NOVEL POLYPEPTIDE AND METHOD FOR PRODUCING L-LEUCINE USING SAME	2022/08/17
2022/09248	AMINO ACID SURFACTANTS	2022/08/17
2022/09296	SYSTEM AND METHOD FOR ANALYZING VIDEOS IN REAL-TIME	2022/08/18
2022/09301	TEST ARRANGEMENT AND METHOD FOR TESTING BREAKAGE AND MECHANICAL PROPERTIES OF ROCK PARTICLES	2022/08/18
2022/09308	NOVEL PEPTIDES AND ANALOGS FOR USE IN THE TREATMENT OF ORAL MUCOSITIS	2022/08/19
2022/09341	MINIMALLY INVASIVE HOLLOW SKIN TIGHTENING DEVICES FOR COLLAGEN STIMULATION WITH ENERGY AND MEDICATION DELIVERY	2022/08/19
2022/09344	COMPOSITIONS CONTAINING ZIRCONIUM AND CERIUM AND METHODS FOR PREPARING SAME USING OXALIC ACID AND AN ALCOHOL	2022/08/19
2022/09345	COMPOSITIONS CONTAINING CERIUM AND ZIRCONIUM AND METHODS FOR PREPARING SAME USING OXALIC ACID	2022/08/19
2022/09346	COMPOSITIONS CONTAINING ZIRCONIUM AND CERIUM AND METHODS FOR PREPARING SAME USING OXALIC ACID AND SUPERCRITICAL DRYING	2022/08/19
2022/09393	FILTER ELEMENT LOCKING MECHANISM	2022/08/22
2022/09565	NOVEL IMMUNOSTIMULATING IL-2 ANALOGS	2022/08/26
2022/09601	GLOBAL ADDRESS SYSTEM AND METHOD	2022/08/29
2022/09618	COMMUNICATION DEVICE, PROGRAM, COMMUNICATION METHOD, INFORMATION PROCESSING METHOD, INFORMATION PROCESSING DEVICE, AND COMMUNICATION SYSTEM	2022/08/29
2022/09620	FUSED TRICYCLIC COMPOUND AND MEDICINAL USE THEREOF	2022/08/29
2022/09622	COMPOSITIONS COMPRISING NATURALLY DERIVED PRESERVATIVES	2022/08/29
2022/09623	A PHARMACEUTICAL COMPOSITION AND	2022/08/29

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	METHOD OF TREATMENT USING SERRATIOPEPTIDASE, MANNOSE OR ITS DERIVATIVE, AND OPTIONALLY ANTINFECTION AGENTS	
2022/09625	A CLEANING COMPOSITION	2022/08/29
2022/09671	STRUCTURAL ARRANGEMENT FOR A MOTOR HELMET WITH AUTOMATED VISOR	2022/08/30
2022/09696	PLASMA COATING TREATMENT METHOD FOR INHIBITING BIOLOGICAL PATHOGEN TRANSFER	2022/08/30
2022/09697	PLASMA COATING METHOD AND APPARATUS FOR BIOLOGICAL SURFACE MODIFICATION	2022/08/30
2022/09726	METHOD AND APPARATUS FOR TRANSFORM PRECODING CONFIGURATION IN RANDOM ACCESS PROCEDURE	2022/08/31
2022/09727	MODIFIED TREATMENT CHAMBER FOR TREATING CELLS	2022/08/31
2022/09729	DEVICE FOR TREATING CELLS	2022/08/31
2022/09730	CONDUCTIVITY-ADJUSTED DEVICE FOR TREATING CELLS	2022/08/31
2022/09732	NON-CONTACT DEVICE FOR TREATING CELLS	2022/08/31
2022/09756	SADDLE FOR HORSE RIDING	2022/08/31
2022/09757	POWER TAKE-OFF APPARATUS FOR A WAVE ENERGY CONVERTER AND WAVE ENERGY CONVERTER COMPRISING THE SAME	2022/08/31
2022/09824	PROTECTIVE LENS COVER ASSEMBLY	2022/09/02
2022/10141	METHOD AND DEVICE FOR CODING/DECODING IMAGE USING INTRA PREDICTION	2022/09/13
2022/10153	AEROSOL-GENERATING ARTICLE HAVING BRIDGING ELEMENT WITH BASIS WEIGHT	2022/09/13
2022/10205	IMPROVED SOLVENTS FOR ACETYLENE FLUID STORAGE	2022/09/14
2022/10604	A COMPETITION SYSTEM	2022/09/26
2022/10617	AEROSOL-GENERATING ARTICLE INCLUDING UPSTREAM ELEMENT	2022/09/26
2022/10620	VENTILATED AEROSOL-GENERATING ARTICLE WITH UPSTREAM POROUS SEGMENT	2022/09/26
2022/10621	AEROSOL-GENERATING ARTICLE INCLUDING NOVEL SUBSTRATE AND UPSTREAM ELEMENT	2022/09/26
2022/10622	AEROSOL-GENERATING ARTICLE WITH ELONGATE SUSCEPTOR	2022/09/26
2022/10724	ANTI-PSMA ANTIBODY-EXATECAN ANALOGUE CONJUGATE AND MEDICAL	2022/09/28

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	USE THEREOF	
2022/10908	ALKALI METAL QUATERNARY NANOMATERIALS	2022/10/04
2022/11060	ANTI-VIRAL COMPOUNDS AND METHODS FOR ADMINISTRATION THEREOF	2022/10/10
2022/11247	COCRYSTALS OF (1R,3S)-3-(5-CYANO-4-PHENYL-1,3-THIAZOL-2-YLCARBAMOYL)CYCLOPENTANE CARBOXYLIC ACID	2022/10/13
2022/11256	SPECIAL CONTINUOUS CASTING CRYSTALLIZER MOLD POWDER FOR SORBITE STAINLESS STEEL AND APPLICATION THEREOF	2022/10/13
2022/11309	ENDOXIFEN FOR THE TREATMENT OF BIPOLAR I DISORDER	2022/10/14
2022/11526	METHODS FOR TREATING COVID-19	2022/10/21
2022/11790	VEHICLE SAFETY FEATURE IDENTIFICATION AND CALIBRATION	2022/10/28
2022/12447	NEW PROCESS OF TREATMENT OF FRUIT AND VEGETABLES	2022/11/15
2022/13348	COMPRESSOR	2022/12/09
2022/13952	VALIDATION OF MIXING PROCEDURES IN A DECONTAMINATION PROCESS	2022/12/22
2022/13955	SYNTHESIS OF ANTHRACITIC NETWORKS AND AMBIENT SUPERCONDUCTORS	2022/12/22
2023/00128	A COMPOSITION FOR MANAGEMENT OF COVID-19 AND ASSOCIATED DISORDERS	2023/01/03
2023/00658	METHOD FOR ONE-STEP DIRECT PREPARATION OF 3-ACYL IMIDAZO[1,5-A]PYRIDINE THROUGH DOUBLE AMINATION OF [4+1] KETOMETHYL	2023/01/16
2023/01035	DUAL CAR-T CELLS	2023/01/24
2023/01549	LOCALIZATION SYSTEM AND METHOD	2023/02/07
2023/01584	WINDMILL ELECTRICAL POWER SYSTEM AND TORQUE ENHANCED TRANSMISSION	2023/02/08
2023/01927	PHYTONADIONE COMPOSITIONS	2023/02/16
2023/02568	AN AUTOMATED TRANSFERABLE ARTIFICIAL INTELLIGENCE MEDICAL IMAGE RECOGNITION SYSTEM	2023/02/24
2023/02887	A TEA LEAF PICKING ROBOT CAPABLE OF PICKING SELECTIVELY	2023/02/27
2023/03158	A FIREARM SUPPRESSOR	2023/02/28
2023/03259	DISTRIBUTED MONITORING APPARATUS AND METHOD FOR THREE-DIMENSIONAL MINING-INDUCED STRESS VARIATION	2023/03/02
2023/03395	GENETIC REGULATORY ELEMENT	2023/03/07
2023/03432	INTERMODAL CONTAINER DOOR LOCK	2023/03/08
2023/03473	SINGLE-LONGITUDINAL-MODE HIGH-	2023/03/10

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	BRIGHTNESS SEMICONDUCTOR LASER DEVICE BASED ON STEPPED WAVEGUIDE	
2023/03494	COMPOSITIONS COMPRISING INSOLUBLE CORN FIBER	2023/03/10
2023/03495	DEVICE AND METHOD FOR MANAGING RESOURCES FOR MONITORING ELONGATE STRUCTURES	2023/03/10
2023/03496	METHOD FOR UPDATING EMBEDDED SOFTWARE	2023/03/10
2023/03497	SYSTEM AND METHOD FOR DETECTING FAULTS IN EXTENDED WAVEGUIDES	2023/03/10
2023/03508	PROCESS FOR THE HYDROFORMYLATION OF OLEFINS USING A COBALT PRECATALYST AND A DIPHOSPHINE LIGAND	2023/03/13
2023/03526	ENCODING AND DECODING DATA, INCLUDING WITHIN IMAGE DATA	2023/03/13
2023/03552	METHOD TO PRODUCE A BIOLOGICAL CONTROL PRODUCT AND PRODUCT FOR THE CONTROL OF LOCUSTS AND A METHOD FOR THE CONTROL OF LOCUSTS	2023/03/14
2023/03585	OXYGEN INJECTION FOR REFORMER FEED GAS FOR DIRECT REDUCTION PROCESS	2023/03/14
2023/03602	METHOD AND SYSTEM FOR SORTING OF DIAMONDS	2023/03/15
2023/03620	BEVERAGE CONTAINER	2023/03/15
2023/03649	METHOD FOR SEPARATING MOLECULES FROM A FLUID MIXTURE COMPRISING AT LEAST ONE FLUORINATED COMPONENT	2023/03/16
2023/03651	DIAPHRAGM WALL DOWN-THE-HOLE HAMMER TRENCHING MACHINE AND USE METHOD THEREOF	2023/03/16
2023/03679	CARTRIDGE CASE AND METHOD AND TOOL FOR JOINING THE BOTTOM PIECE AND THE CASE JACKET OF A MULTI-PART CARTRIDGE CASE	2023/03/17
2023/03686	CONTINUOUS STRAND FOR WIG, WHICH INCLUDES MULTIPLE FILAMENTS AND IN WHICH INCLINED THICKNESS SECTION IS REPEATEDLY FORMED ALONG LENGTHWISE DIRECTION THEREOF, AND WIG MANUFACTURED USING SAME	2023/03/17
2023/03694	PREPARATION METHOD FOR SOILLESS CULTURE NUTRIENT SOLUTION OF TOMATOES	2023/03/20
2023/03748	SMALL MOLECULE INHIBITORS OF BACTERIAL TOXINS	2023/03/22
2023/03769	THERMAL ADAPTER	2023/03/23

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2023/03808	A METHOD FOR PREPARING A DRY GREEN ALGAL POWDER COMPOSITION FOR ACCELERATING SUSTAINABLE ORGANIC AGRICULTURE	2023/03/24
2023/03861	REPULSION BASED ROTATIONAL SYSTEM	2023/03/27
2023/03911	METHOD FOR PRODUCING ALLOY POWDERS BASED ON TITANIUM METAL	2023/03/28
2023/03933	APPARATUS FOR THE ELECTRO-STATIC SEPARATION OF PARTICULATE MATERIALS	2023/03/29
2023/03971	A PANEL FOR AN AIR CIRCULATION SYSTEM	2023/03/29
2023/03990	A PREPARATION METHOD OF NEGATIVE TEMPERATURE COEFFICIENT THERMOSENSITIVE CERAMICS BASED ON BARIUM STRONTIUM TITANATE SOLID SOLUTION SYSTEM	2023/03/30
2023/04029	CXCL9 AND VARIANTS THEREOF FOR IMMUNOTHERAPY OF CANCER DISEASES	2023/03/30
2023/04030	MODIFIED CXCL10 FOR IMMUNOTHERAPY OF CANCER DISEASES	2023/03/30
2023/04121	AN APPARATUS FOR AND A METHOD OF DESHELLING NUTS	2023/03/28
2023/04146	WATER TREATMENT METHOD WITH RENEWAL OF THE ADSORBENT TO A TARGETED INTERMEDIATE AGE	2023/04/04
2023/04169	TETRAHYDROBENZOFURODIAZEPINONE COMPOUNDS AND PHARMACEUTICAL APPLICATIONS THEREOF	2023/04/05
2023/04176	HDAC INHIBITORS FOR IDIOPATHIC PULMONARY FIBROSIS AND OTHER LUNG INFLAMMATORY DISORDERS	2023/04/05
2023/04199	FULLY-AUTOMATED SERIAL PRODUCTION LINE AND PRODUCTION PROCESS OF GALVANIZED SHEET AIR DUCT	2023/04/06
2023/04200	PHARMACEUTICAL COMPOSITION COMPRISING ARIPIPRAZOLE AND METHOD FOR THE PREPARATION THEREOF	2023/04/06
2023/04201	PHARMACEUTICAL COMPOSITION COMPRISING AN ATYPICAL ANTIPSYCHOTIC AGENT AND METHOD FOR THE PREPARATION THEREOF	2023/04/06
2023/04208	INSPECTION SYSTEM OF POWER LINE AND METHOD THEREOF	2023/04/06
2023/04209	FAULT LOCATING METHOD OF BURIED LINE	2023/04/06
2023/04219	NOVEL USE OF MYCOBACTERIUM	2023/04/06

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	TUBERCULOSIS EXTRACT	
2023/04252	APPLICATION OF CTRP3 AND CTRP15 AS BIOMARKERS IN PREPARING PRODUCTS FOR EARLY DIAGNOSIS OF SPONTANEOUS INTRACEREBRAL HEMORRHAGE	2023/04/11
2023/04259	TOOTHBRUSH STRUCTURE	2023/04/11
2023/04274	JET EXPERIMENT BENCH FOR MEASUREMENT OF TEMPERATURE FIELD OF ENGINE PISTON	2023/04/11
2023/04289	AEROPHONE INSTRUMENT USING AIR-FILLED OBJECT	2023/04/11
2023/04298	HEAT EXCHANGER ASSEMBLY	2023/04/11
2023/04304	A BITUMEN ADDITIVE COMPRISING AN AQUEOUS WAX DISPERSION AND ITS USE TO OBTAIN A FOAMED BITUMEN	2023/04/11
2023/04305	MIXTURES OF PYRIDAZINES AS HERBICIDAL COMPOSITIONS	2023/04/11
2023/04319	A COMPOSITION FOR ANTI-OVARIAN AGING OF COWS AND APPLICATION THEREOF	2023/04/12
2023/04322	VISUAL RADIOFREQUENCY ABLATION TREATMENT DEVICE	2023/04/12
2023/04323	HIGH ENTROPY FLUORITE OXIDE TARGET AND ITS PREPARATION METHOD	2023/04/12
2023/04332	APPARATUS AND METHOD FOR ENCODING A PLURALITY OF AUDIO OBJECTS AND APPARATUS AND METHOD FOR DECODING USING TWO OR MORE RELEVANT AUDIO OBJECTS	2023/04/12
2023/04348	AN INDUCTOR COIL	2023/04/12
2023/04349	AN INDUCTOR COIL	2023/04/12
2023/04352	MIXTURES OF PYRIMIDINES AS HERBICIDAL COMPOSITIONS	2023/04/12
2023/04367	QUALITY SCORE COMPRESSION	2023/04/13
2023/04378	SOFTWARE ACCELERATED GENOMIC READ MAPPING	2023/04/13
2023/04389	METHODS OF BASE METAL RECOVERY WITH APPLICATIONS OF OXYGEN VECTORS	2023/04/13
2023/04392	VEHICLE AND DEVICE POSITIONING METHOD	2023/04/13
2023/04394	AUTONOMOUS LEARNING METHOD FOR MECHANICAL ARM CONTROL METHOD	2023/04/13
2023/04410	FULL-PLASTIC LIQUID PUMP	2023/04/14
2023/04411	DEVICE FOR INJECTING LIQUID INTO PLANT LEAVES AND INJECTION METHOD	2023/04/14
2023/04422	PYROLYSIS OF CARBON BASED MATERIAL	2023/04/14
2023/04423	PYROLYSIS AND DEPOLYMERIZATION OF TIRE MATERIAL	2023/04/14

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2023/04433	TITRATION METHODS FOR DETECTING POLYVINYL SULFONATE (PVS) IN BUFFERS	2023/04/14
2023/04467	LOW-DENSITY FOAM AT LEAST PARTIALLY COVERED WITH A SKIN MATERIAL	2023/04/17
2023/04493	KYNURENINE: USEFUL BIOMARKER IN ACUTE COVID-19 AND LONG COVID	2023/04/18
2023/04514	IMPROVEMENTS IN OR RELATING TO EXTRACTS	2023/04/18
2023/04548	ALPHA STIRLING ENGINE	2023/04/19
2023/04549	OXYANIONIC TEMPLATES FOR SURFACE REPLICATION	2023/04/19
2023/04555	NOVEL HYDROXYPHENYLPYRUVATE DIOXYGENASE POLYPEPTIDES AND METHODS OF USE THEREOF	2023/04/19
2023/04557	TELESCOPING SMOKE EVACUATION DEVICE FOR USE WITH HANDHELD SURGICAL INSTRUMENT	2023/04/19
2023/04576	WATER-SOLUBLE FERTILIZER DILUTING DEVICE	2023/04/20
2023/04586	A DRYING APPARATUS	2023/04/20
2023/04613	ALPHA STIRLING ENGINE	2023/04/20
2023/04614	SYSTEM AND METHOD FOR ACQUIRING VEHICLE INFORMATION, AND VEHICLE	2023/04/20
2023/04642	DATA MANAGEMENT METHOD, DATA MANAGEMENT APPARATUS, AND STORAGE MEDIUM	2023/04/21
2023/04643	A FOG (FATS, OIL, OR GREASE) SEPARATOR APPARATUS	2023/04/21
2023/04648	COMPOSITION, CORE AND MOULD FOR CASTING AND MOULDING PROCESSES	2023/04/21
2023/04654	CENTRE BYPASS MUD HAMMER	2023/04/21
2023/04670	CONSTRUCTION METHOD FOR FINISHING DRILLING OF HOLE FOR ROTARY DRILLING PILE IN LONESTONE	2023/04/24
2023/04671	SWING TYPE SEISMIC ISOLATION SUPPORT	2023/04/24
2023/04672	CONSTRUCTION METHOD FOR CLIMBING SCAFFOLDING FOR COMPLEX FAÇADE OF SUPER HIGH-RISE BUILDING	2023/04/24
2023/04684	A METHOD FOR ANALYSING MEDIATING ROLE OF REWARD IN JOB SATISFACTION AND MOTIVATING EMPLOYEES PERFORMANCE	2023/04/24
2023/04688	METHOD FOR MOUNTING AND CONTROLLING CABLE-MEMBRANE STRUCTURE	2023/04/24
2023/04698	PESTICIDAL COMPOSITION COMPRISING ELEMENTAL SULPHUR AND CHOLINE SALT OF PELARGONIC ACID	2023/04/24

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2023/04699	PESTICIDAL COMPOSITION COMPRISING ELEMENTAL SULPHUR AND FLUPYRADIFURONE	2023/04/24
2023/04706	FISH TRANSFER SYSTEM AND METHOD	2023/04/24
2023/04727	COMPOSITIONS FOR IMPROVED DELIVERY OF CGRP INHIBITORS	2023/04/24
2023/04728	APPARATUS FOR THE ELECTROLYTIC PRODUCTION OF HYDROGEN	2023/04/24
2023/04752	DEVICE FOR SETTING A SPECIFIC OPERATING POSITION OF AN APPARATUS COMPONENT AND METHOD THEREFOR	2023/04/25
2023/04757	A MINE SUPPORT WELDED MESH SYSTEM	2023/04/25
2023/04758	Borehole Accessory	2023/04/25
2023/04759	A GOAF PLUGGING DEVICE CAPABLE OF AUTOMATICALLY ADJUSTING OPENING AND CLOSING STATE AND INSTALLATION METHOD THEREOF	2023/04/25
2023/04760	AN AUTOMATIC GOAF PLUGGING DEVICE AND CONSTRUCTION METHOD AND APPLICATION METHOD THEREOF	2023/04/25
2023/04770	METHOD OF PRODUCING A NANOFLUID USING LASER ABLATION, CORRESPONDING NANOFLUID AND LASER ABLATION SYSTEM FOR MANUFACTURING NANOFLUIDS	2023/04/25
2023/04774	CARDIAC VALVE PROSTHESIS	2023/04/25
2023/04775	HERBICIDAL COMPOUNDS	2023/04/25
2023/04828	FLUX-LIMITING POLYMER MEMBRANE	2023/04/26
2023/04858	INTERFACE DATA TRANSMISSION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM	2023/04/28
2023/04877	RECOMBINANT ADENO-ASSOCIATED VIRUSES WITH ENHANCED LIVER TROPISM AND USES THEREOF	2023/04/28
2023/04889	A SYSTEM AND METHOD FOR EVALUATING THE FRESHNESS OF FRUITS USING MACHINE LEARNING TECHNIQUES	2023/05/02
2023/04890	AN APPARATUS TO MELT PLASTIC AND A METHOD THEREOF	2023/05/02
2023/04891	GUIDE APPARATUS FOR DISPLACING A SUBMERSIBLE PUMP SYSTEM	2023/05/02
2023/04922	AN IOT BASED AGRICULTURAL ENVIRONMENTAL APPROACH BASED ON BIG DATA ANALYTICS WITH CONSTRAINED MONITORING	2023/05/03
2023/04927	AN ECONOMIC SOLAR WATER HEATER SYSTEM	2023/05/03
2023/04928	A SYSTEM FOR DEVELOPING	2023/05/03

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	PHYTOSOMES LOADED POLYPHENOL DERIVED FROM MORINGA OLEIFERA LEAF TO TREAT CANCER	
2023/04951	PRODUCTION METHOD OF SELENIUM-ENRICHED MUTTON	2023/05/04
2023/04988	A DEICING BLADE STRUCTURE AND DEICING DEVICE	2023/05/05
2023/05024	PREPARATION METHOD FOR CANNFLAVIN COMPOUNDS	2023/05/05
2023/05100	HERICIUM ERINACEUS DIETARY FIBER, PREPARATION METHOD AND APPLICATION THEREOF	2023/05/08
2023/05125	CONTENT FILTERING SUPPORT FOR PROTOCOLS WITH ENCRYPTED DOMAIN NAME SERVER	2023/05/09
2023/05181	IMAGE PROCESSING METHOD AND APPARATUS	2023/05/10
2023/05192	MEASURING DEVICE FOR MEASURING CHANGE OF UNDERGROUND WATER LEVEL AMONG WATER RESOURCE OPTIMAL CONFIGURATION	2023/05/11
2023/05200	METHODS FOR CONVERTING OPENING DATA DURING SAP SYSTEM UPGRADE	2023/05/11
2023/05233	METHOD FOR SEPARATING AND PURIFYING TEA SAPONIN AND PROANTHOCYANIDINS FROM CAMELLIA OLEIFERA SHELLS	2023/05/12
2023/05234	NOVEL COMPOSITE METAMATERIAL CAPABLE OF REALIZING POSITIVE-NEGATIVE CONVERSION OF POISSON'S RATIO AND DESIGN METHOD THEREOF	2023/05/12
2023/05235	EASY-TO-DEMOULD CONCRETE TEST MOLD WITH SUPER-HYDROPHOBIC/SUPER-SLIPPERY INNER WALL AND PREPARATION METHOD THEREOF	2023/05/12
2023/05236	PREPARATION METHOD OF BIOLOGICAL NANO ELEMENTAL SELENIUM AND ITS APPLICATION IN SOIL HEAVY METAL POLLUTION REMEDIATION	2023/05/12
2023/05266	PLASMA GENERATING APPARATUS	2023/05/12
2023/05267	APPARATRUS FOR DECONTAMINATING AMBIENT AIR IN AN INDOOR ENVIRONMENT	2023/05/12
2023/05273	DOWNHOLE LIFTING PLATFORM TRUCK FOR METAL MINES	2023/05/15
2023/05274	ORE PASS WELLHEAD STOPBOARD	2023/05/15
2023/05276	METHOD FOR PREDICTING PAROXYSMAL IMPACT VIBRATION IN STATE OF LOCAL DEFECT OF OUTER RACE OF INTERMEDIATE BEARING	2023/05/15

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2023/05277	PRIMERS, KIT AND METHOD FOR DETECTING OF AFRICAN SWINE FEVER VIRUS	2023/05/15
2023/05278	A DEVICE FOR PREPARING WATERBORNE ACRYLIC MODIFIED EPOXY RESIN	2023/05/15
2023/05279	CAMERA FOCAL LENGTH ADJUSTING APPARATUS	2023/05/15
2023/05280	COMPOSITIONS, KITS, AND METHODS TO INDUCE ACQUIRED CYTORESISTANCE USING STRESS PROTEIN INDUCERS	2023/05/15
2023/05281	TEMPERATURE CONTROL DEVICE FOR GOOSE ANTI-SEASON REPRODUCTION	2023/05/15
2023/05283	CABLE LAYING DEVICE FOR ELECTRICAL AUTOMATION CONTROL	2023/05/15
2023/05299	METHOD FOR PREPARING HIGH-NITROGEN STAINLESS STEEL BY SELECTIVE LASER MELTING OF PURE METAL OVER-MATCHED POWDER	2023/05/15
2023/05315	CUTTING PROPAGATION METHOD OF ROOTSTOCK OF HARD-ROOTED FRUIT TREE	2023/05/16
2023/05317	ENVIRONMENTAL LAW PROTECTION DATA SHARING SYSTEM BASED ON BLOCKCHAIN	2023/05/16
2023/05318	SOCIAL DISPUTE MEDIATION SIMULATION AND DEMONSTRATION TEST SYSTEM	2023/05/16
2023/05319	A SYSTEM FOR ESTIMATING SEA ICE CONCENTRATION OF AN AREA	2023/05/16
2023/05320	CONSTRUCTION MONITORING ROBOT	2023/05/16
2023/05328	ABRASIVE MATERIAL, ACCESSORIES FOR A TOOL CONTAINING SUCH ABRASIVE MATERIAL AND METHOD OF MANUFACTURING SUCH ABRASIVE MATERIAL	2023/05/16
2023/05346	COMPOSITE MATERIAL HOT-PRESS FORMING DEVICE	2023/05/16
2023/05353	METHOD FOR MOUNTING INSULATION BOARDS FOR WIDE-ANGLE SLOPING ROOF	2023/05/17
2023/05354	SYSTEM AND METHOD FOR RECOVERING WASTE HEAT ENERGY TO GENERATE ELECTRICITY	2023/05/17
2023/05355	ONLINE QUESTION-ANSWERING INTERACTIVE SYSTEM FOR SMART CLASSROOM	2023/05/17
2023/05356	COMPOUND MICROBIAL INOCULUM AND APPLICATION IN REMEDIATION OF HEAVY METAL POLLUTION IN SOIL	2023/05/17
2023/05357	METHOD FOR PREPARING PORTLAND	2023/05/17

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	CEMENT FEATURING EARLY STRENGTH, LOW SHRINKAGE, AND LOW HEAT	
2023/05359	NEGATIVE PRESSURE PUNCTURE SYRINGE CONVENIENT FOR PRESSURE ADJUSTMENT	2023/05/17
2023/05360	A NEW BIOLOGICAL FLUIDIZED BED PROCESS WITH HIGH CONCENTRATION POWDER CARRIERS USED FOR TREATMENT OF MUNICIPAL WASTEWATER	2023/05/17
2023/05364	VERIFICATION SYSTEM	2023/05/17
2023/05384	A FORESTRY MANAGEMENT SYSTEM	2023/05/17
2023/05398	DETECTOR FOR ASSEMBLY CORRECTION OF PREFABRICATED BUILDING	2023/05/16
2023/05399	DOUBLE-FOCUS COMPOUND EYE STRUCTURE FOR OUTDOOR RAIN, FOG AND WEAK LIGHT ENVIRONMENTS AND PREPARATION PROCESS	2023/05/16
2023/05400	LIGHTWEIGHT HIGH-SPEED TRANSPLANTING DEVICE	2023/05/16
2023/05401	MULTI-FOCUS SELF-CLEANING ANTI-FOG ANTIREFLECTION COMPOUND EYE STRUCTURE AND PREPARATION PROCESS	2023/05/16
2023/05402	USE OF SEMEN PLANTAGINIS IN PREPARATION OF DRUG FOR PREVENTING OR TREATING PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME	2023/05/17
2023/05403	USE OF FRUCTUS POLYGONI ORIENTALIS IN PREPARATION OF DRUG FOR PREVENTING OR TREATING PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME	2023/05/17
2023/05404	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR IMPROVING IMMUNITY OF LIVESTOCK AND EFFECTIVE COMPONENTS	2023/05/17
2023/05405	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR IMPROVING REPRODUCTIVE PERFORMANCE OF SOWS AND EFFECTIVE COMPONENTS	2023/05/17
2023/05406	USE OF GALLA CHINENSIS IN PREPARATION OF DRUG FOR PREVENTING OR TREATING PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME	2023/05/17
2023/05407	TEMPERATURE CONTROLLED DU MERIDIAN MOXIBUSTION PAD	2023/05/18
2023/05408	CONTINUOUS SAMPLING DRILL BIT	2023/05/18
2023/05409	RIDING LIMB TRAINING DEVICE AND	2023/05/18

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	REGULATION METHOD THEREOF	
2023/05410	ULTRASONIC PROBE PROTECTIVE SLEEVE FOR ULTRASONIC EXAMINATION	2023/05/18
2023/05411	A METHOD FOR PREPARATION OF METAL NON-METAL INCORPORATED ZNO NANOSPHERE HETEROGENEOUS CATALYST FOR THE PHOTODEGRADTION OF ORGANIC DYE	2023/05/18
2023/05416	ROLLER BEARING SEAL ASSEMBLY	2023/05/18
2023/05448	IDENTIFICATION METHOD AND APPARATUS BASED ON ARTIFICIAL INTELLIGENCE, ELECTRONIC DEVICE, AND STORAGE MEDIUM	2023/05/19
2023/05449	RICE PLANTING BOX	2023/05/19
2023/05450	OPTIMAL CONTROL METHOD OF POLLUTANT FLUX INTO COASTAL WATERS BASED ON VIRTUAL DISCHARGE AMOUNT	2023/05/19
2023/05451	SOYBEAN PLANTING AND FERTILIZATION ALL-IN-ONE MACHINE	2023/05/19
2023/05452	SYSTEM AND METHOD FOR DETECTION OF KIDNEY DISORDERS	2023/05/19
2023/05453	METHOD FOR RAPIDLY EXTRACTING VITAMIN E FROM GREEN PLANT LEAVES	2023/05/19
2023/05454	PLANNING LAYOUT METHOD AND SYSTEM FOR URBAN GREEN ROOFS	2023/05/19
2023/05455	COMPOSITE HARVESTING AND PRUNING METHOD FOR ZANTHOXYLUM BUNGEANUM	2023/05/19
2023/05462	A COMMUNICATION TOWER FAULT WARNING DEVICE	2023/05/19
2023/05463	AN ELECTRICAL AUTOMATION TEACHING SIMULATION CONTROL CABINET	2023/05/19
2023/05464	A PROTECTIVE BRACKET FOR BUILDING CONSTRUCTION	2023/05/19
2023/05465	AN ASSEMBLY TYPE INTEGRATED PIPE CORRIDOR MANUFACTURING FIXING DEVICE	2023/05/19
2023/05490	LASER COMBINED POLISHING DEVICE FOR METAL 3D PRINTED PARTS	2023/05/22
2023/05492	SUB-MICRON 4A-TYPE MOLECULAR SIEVE AND PREPARATION METHOD THEREOF	2023/05/22
2023/05494	ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS ENABLED SYSTEM FOR ANALYSIS AND IMPROVEMENTS IN FINANCE INDUSTRY	2023/05/22
2023/05495	SYSTEM FOR DETECTING SHORT CIRCUIT POINT OF HIGH-VOLTAGE ALTERNATING-CURRENT	2023/05/22

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	TRANSMISSION CABLE	
2023/05496	AN INTERACTIVE MULTIMEDIA DEVICE FOR INNOVATION AND ENTREPRENEURSHIP EDUCATION	2023/05/22
2023/05497	SYSTEM AND METHOD FOR STOCK MARKET PREDICTION USING INFLUENCE OF EXTENDED SOCIAL MOOD INDEX	2023/05/22
2023/05498	APPLICATION OF DEXMEDETOMIDINE IN PREPARATION OF DRUGS FOR TREATING MUSCLE TISSUE INFLAMMATION	2023/05/22
2023/05499	INTRANASAL SUSTAINED RELEASE ADMINISTRATION DEVICE FOR PATIENTS CONTRACTING NASOPHARYNGEAL CARCINOMA	2023/05/22
2023/05514	PEPTIDES AND CONJUGATES THEREOF AS ACE-2 AND S1 SUBUNIT MIMICS AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS-2 (SARS-COV2) INFECTION	2023/05/22
2023/05525	METHOD AND DEVICE FOR GENERATING WATER QUALITY REPORT BASED ON DISTRIBUTED NODES, ELECTRONIC DEVICE, AND STORAGE MEDIUM	2023/05/22
2023/05537	FIXING DEVICE OF PC STRUCTURE	2023/05/23
2023/05538	ALL-FABRIC-BASED SELF-POWERED MULTI-DRIVE SENSING SYSTEM, AND PREPARATION METHOD AND APPLICATION THEREOF	2023/05/23
2023/05540	MODULAR SECURITY CABINET	2023/05/23
2023/05541	CHEESE FLAVOR BASE, AND PREPARATION METHOD AND APPLICATION THEREOF	2023/05/23
2023/05544	AN INTELLIGENT CONTROL SYSTEM FOR MULTIMEDIA TEACHING EQUIPMENT	2023/05/23
2023/05551	ENERGY-SAVING DOUBLE-BEARING VERTICAL GRINDING MILL FOR DRY GRINDING AND SHAPING GRINDING MILL	2023/05/23
2023/05579	METHOD FOR DETECTING CNV MARKER OF SNX29 GENE OF XIANGDONG BLACK GOATS, AND APPLICATION THEREOF	2023/05/24
2023/05580	IMAGE RECOGNITION VOICE BROADCASTING DEVICE FOR PRESCHOOL EDUCATION	2023/05/24
2023/05584	BIOLOGICAL PREPARATION FOR FERMENTATION OF SILAGE TOTAL MIXED RATIONS AND PREPARATION METHOD THEREFOR	2023/05/24
2023/05585	AN INCLINED STRESS RELIEF GROOVE	2023/05/24

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2023/05588	A MODIFIED PROTEIN BIOLOGICAL DEMULSIFIER	2023/05/24
2023/05619	GASIFICATION METHOD BASED ON UNDERGROUND RAW COAL	2023/05/25
2023/05620	INHIBITION METHOD BASED ON THE REGENERATED METHANE SOURCE OF MINES	2023/05/25
2023/05621	METHOD FOR PREPARING DIACETYL TYPE NATURAL MILK FLAVOR BASE MATERIAL BY MEANS OF ENZYMOLYSIS COUPLED WITH FERMENTATION	2023/05/25
2023/05624	AMORPHOUS FORM OF A COMPLEMENT COMPONENT C5A RECEPTOR	2023/05/25
2023/05626	VENTILATION AND TEMPERATURE CONTROL DEVICE FOR SUPERCAPACITORS	2023/05/25
2023/05627	METHOD AND APPARATUS FOR MULTI-DOMAIN DATA FUSION, AND STORAGE MEDIUM	2023/05/25
2023/05628	SOCIAL RELATIONSHIP ANALYSIS METHOD AND SYSTEM BASED ON MULTI-MODAL DATA, AND STORAGE MEDIUM	2023/05/25
2023/05634	METHOD FOR PREDICTING LABEL DATA OF SAME TYPE, TERMINAL DEVICE AND STORAGE MEDIUM	2023/05/25
2023/05674	BIOLOGICAL STEM CELL AGENT, AND PREPARATION METHOD AND APPLICATION THEREOF	2023/05/26
2023/05675	CONTROL METHOD AND SYSTEM FOR SMART HOME APPLIANCES, ELECTRONIC APPARATUS AND MEDIUM	2023/05/26
2023/05676	METHOD FOR SEPARATING AND PURIFYING GLUCOCORTICOIDS IN URINE BY ONLINE TWO-DIMENSIONAL SEMI-PREPARATIVE LIQUID CHROMATOGRAPHY	2023/05/26
2023/05678	PORTABLE PSAMMOPHYTE INCUBATOR	2023/05/26
2023/05679	NUCLEIC ACID APTAMER OF HELICOBACTER PYLORI FOR DETECTING HELICOBACTER PYLORI AND SCREENING METHOD AND APPLICATION THEREOF	2023/05/26
2023/05680	PESTICIDE SPRAYING DEVICE FOR CORN CULTIVATION	2023/05/26
2023/05681	CULTURE MEDIUM FOR VIRUS-FREE POTATO TISSUES	2023/05/26
2023/05682	TISSUE CULTURE SUBSTRATE COMPOSITION FOR TRICHOSANTHES KIRILOWII	2023/05/26
2023/05683	SYSTEM AND METHOD FOR ANALYSIS OF HUMAN MOVEMENT AND	2023/05/26

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	SUGGESTIONS OF AMENDMENT IF ANY	
2023/05684	A ROBOT ARM HANDLING ROBOT FOR INTELLIGENT WORKSHOPS	2023/05/26
2023/05685	INTELLIGENT EDUCATION AND TEACHING SYSTEM BASED ON THE INTERNET	2023/05/26
2023/05686	DEVICE FOR REPLACING POWDER SPREADING SCRAPER OF SELECTIVE LASER MELTING APPARATUS ONLINE AND AUTOMATICALLY	2023/05/26
2023/05688	NATURAL GAS HYDROGEN-DOPED MIXER	2023/05/26
2023/05718	AN IOT-BASED VEHICLE TRACKING AND DIAGNOSTIC SYSTEM AND METHOD THEREOF	2023/05/29
2023/05719	A UNIQUE MACHINE LEARNING BASED BIOMEDICAL IMAGE ANALYSIS DEVICE FOR ACCURATE DETECTION OF DISEASE	2023/05/29
2023/05720	A NOVEL SYSTEM FOR SECURE DATA TRANSMISSION OVER A NETWORK BASED ON CODE GENERATION AND WORKING METHOD THEREOF	2023/05/29
2023/05721	DUCTILE CAST IRON MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF	2023/05/29
2023/05722	DENDROBIUM OFFICINALE BUCCAL TABLET AND PREPARATION METHOD THEREOF	2023/05/29
2023/05723	CROSS-BORDER TRADE DATA STORAGE METHOD BASED ON PARALLEL PBFT CONSENSUS MECHANISM	2023/05/29
2023/05724	PREMIX FOR PREVENTING ACUTE ENTERITIS OF CHANNA STRIATA AND PREPARATION METHOD AND APPLICATION THEREOF	2023/05/29
2023/05725	FEED ADDITIVE FOR PREVENTING SPINAL DEFORMITY OF CHANNA STRIATA AND APPLICATION THEREOF	2023/05/29
2023/05726	NORMAL TEMPERATURE DEGERMING DEVICE AND METHOD FOR FERMENTED MEAD	2023/05/29
2023/05727	TISSUE CULTURE MEDIUM AND CULTURE METHOD FOR DETOXIFYING POTATOES RAPIDLY	2023/05/29
2023/05728	FABRIC-BASED PRESSURE AND HUMIDITY SENSOR SYNCHRONOUS MEASUREMENT AND PREPARATION METHOD THEREOF	2023/05/29
2023/05729	A SYSTEM AND METHOD FOR ANALYZING DACLATASVIR BASED FORMULATION FOR TREATING	2023/05/29

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	MUCORMYCOSIS	
2023/05730	WATER GARBAGE CLEANING AND TRANSPORTING MACHINE BASED ON TRIZ THEORY	2023/05/29
2023/05734	A ROBOT FLEXIBLE ONLINE CLEANING MACHINE	2023/05/29
2023/05735	URBAN FOREST BIOACOUSTIC MONITORING AND POSITIONING METHOD AND SYSTEM BASED ON THREE-DIMENSIONAL SPACE	2023/05/29
2023/05770	LONG-ACTING COMBINED AGENT FOR EXPELLING AND KILLING ECTOPARASITES IN LIVESTOCK AND POULTRY	2023/05/30
2023/05771	A GAS SENSOR AND ITS FABRICATION METHOD	2023/05/30
2023/05772	BUILDING ENERGY-SAVING STRUCTURE AND BUILDING ENERGY-SAVING METHOD	2023/05/30
2023/05773	ENERGY-CONSERVATION WALL PANEL FOR GREEN BUILDING	2023/05/30
2023/05774	CLOSED RECOVERY DEVICE FOR BUILDING CONSTRUCTION WASTE GAS	2023/05/30
2023/05775	SUPPORT COLUMN FOR PREFABRICATED BUILDING	2023/05/30
2023/05776	SPECIAL SUBSTRATE COMPOSITION FOR STRAWBERRY TISSUE CULTURE	2023/05/30
2023/05777	METHOD FOR MAKING CANTONESE GINGER VINEGAR EGG	2023/05/30
2023/05778	FREEZING EQUIPMENT FOR SPERM STORAGE	2023/05/30
2023/05792	HERBICIDAL COMPOSITION, PREPARATION AND ITS APPLICATION	2023/05/30
2023/05824	MAPPING INSTRUMENT BOX FOR OUTDOOR MAPPING	2023/05/31
2023/05825	A LIBRARY SHELF WITH FIRE PEVENTION AND FIRE EXTINGUISHING FUNCTIONS	2023/05/31
2023/05836	METHOD FOR RESISTING BIAS WITH TUNNEL SEMI-CROSS SECTION ADVANCED PIPE SHED AND ARCH FRAME SELF-FEEDING LONG BOLT SURROUNDING LOCK FOOT	2023/05/31
2023/05848	POSITIONING METHOD, POSITIONING APPARATUS AND ELECTRONIC DEVICE FOR HUMAN HEAD AND SHOULDERS AREA	2023/05/31
2023/05866	NECTARINE PLANTING METHOD WITH HIGH QUALITY, HIGH YIELD AND LONG LEAF VIEWING PERIOD	2023/06/01
2023/05867	METHOD FOR DETERMINING DROUGHT WARNING WATER LEVEL OF	2023/06/01

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	CONTROLLED WATER SUPPLY LAKE	
2023/05868	MULTIFUNCTIONAL HAEMOSTATIC TRAINING PLATFORM	2023/06/01
2023/05869	PREPARATION METHOD OF SOYBEAN PROTEIN COMPOSITE GELLED FOOD AND PRODUCT THEREOF	2023/06/01
2023/05873	RESOURCE SCHEDULING METHOD AND SYSTEM FOR SATELLITE ELASTIC INTERNET, COMPUTER DEVICE, AND MEDIUM	2023/06/01
2023/05874	INTERFERENCE SIGNAL IDENTIFICATION METHOD AND SYSTEM, COMPUTER DEVICE, AND STORAGE MEDIUM	2023/06/01
2023/05875	NON-MITOGENIC FGF4 VARIANT, METHOD FOR PREPARING VARIANT PROTEIN AND USE THEREOF IN THE PREPARATION OF DRUGS FOR IMMUNE-MEDIATED LIVER INJURY	2023/06/01
2023/05876	TASK OFFLOADING METHOD AND SYSTEM FOR SATELLITE INTERNET, AND READABLE STORAGE MEDIUM	2023/06/01
2023/05888	NOVEL THERAPEUTIC COMPOSITION BASED ON ESSENTIAL OILS AT LOW DOSES	2023/06/01
2023/05891	MULTI-SCALE SIMULATION METHOD FOR EXCAVATION STABILITY OF JOINTED ROCK MASS	2023/06/02
2023/05892	ARCHIVES ADMINISTRATION SYSTEM FOR COLLEGES AND UNIVERSITIES BASED ON A BLOCKCHAIN	2023/06/02
2023/05893	STONE FLOORING REINFORCEMENT STRUCTURE, REINFORCED STONE FLOORING, STONE STRUCTURAL HOUSE AND CONSTRUCTION METHOD THEREFOR	2023/06/02
2023/05894	CONVOLUTIONAL NEURAL NETWORK ACTIVITY RECOGNITION METHOD BASED ON DECOUPLING TRAINING	2023/06/02
2023/05895	BALLOON CONTAINING GEFITINIB LAYER COATING	2023/06/02
2023/05896	INTRAVASCULAR COATED STENT FOR PROMOTING BLOOD VESSEL WALL HEALING	2023/06/02
2023/05898	HIGH TENSILE STRENGTH AZ81 MAGNESIUM ALLOY MATERIAL CONTAINING MIXED RARE EARTH AND PREPARATION PROCESS THEREOF	2023/06/02
2023/05923	LONG-TERM ANTI-INDENTATION MASK BRACE FOR EMERGING INFECTIOUS DISEASES AND MASK USING THE SAME	2023/06/05
2023/05924	EXTRACTING DEVICE AND METHOD FOR HESPERIDIN INGREDIENT IN QUZHOU	2023/06/05

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	FRUCTUS AURANTII	
2023/05925	ASSISTED DECISION-MAKING METHOD AND SYSTEM FOR DAMAGE CONTROL RESUSCITATION	2023/06/05
2023/05930	A SLURRY LEAKAGE PREVENTION STRUCTURE FOR SUPERIMPOSED FLOOR SLABS AND CONSTRUCTION METHOD THEREOF	2023/06/05
2023/05931	WEISSELLA PARAMESENTEROIDES M1 AND USE THEREOF	2023/06/05
2023/05932	A TYPE OF COMPOUND MICROORGANISM BACTERIA AGENT USED FOR DEGRADING CHLORIMURON-ETHYL AND ITS APPLICATION	2023/06/05
2023/05933	A TYPE OF PREFABRICATED WALL PANEL FOR CONVENIENT CONSTRUCTION	2023/06/05
2023/05970	A GRAFTING METHOD OF XANTHOCERAS SORBIFOLIA	2023/06/06
2023/05971	DEVICE FOR COLLECTING ADULT WASPS OF THE MEGASTIGMUS SABINAE	2023/06/06
2023/05972	FOREST MONITORING METHOD FOR THE MEGASTIGMUS SABINAE	2023/06/06
2023/05973	A FORMULA OF ATTRACTANT FOR MEGASTIGMUS SABINAE AND ITS PREPARATION METHOD AND APPLICATION	2023/06/06
2023/05974	SMOKE EXHAUST SYSTEM FOR GAS BOILER IN PLANT ROOM	2023/06/06
2023/05975	POST-DISMANTLEMENT SUPPORTING STRUCTURE FOR DEEP FOUNDATION PIT PROJECT AREA, AND CONSTRUCTION METHOD	2023/06/06
2023/05976	ARCHIVE MANAGEMENT SYSTEM BASED ON ARTIFICIAL INTELLIGENCE	2023/06/06
2023/05977	A SELF-SUPPORTING HIGH-ENTROPY OXIDE/GRAPHENE COMPOSITE MATERIAL AND ITS PREPARATION METHOD AND APPLICATION	2023/06/06
2023/05978	A SOIL SAMPLE COLLECTION DEVICE USED FOR SOIL FERTILITY DETECTION	2023/06/06
2023/05979	CODING CHIP FOR DEVICE-INDEPENDENT QUANTUM KEY DISTRIBUTION	2023/06/06
2023/05980	AN ECOLOGICAL RESTORATION DEVICE FOR IMPROVING WATER QUALITY	2023/06/06
2023/05981	MONITORING SYSTEM AND METHOD FOR SLOPE SURFACE DEFORMATION	2023/06/06
2023/05990	METHOD FOR REMEDIATING PHTHALATE-CONTAMINATED SOIL BY GENERATING HYDROGEN PEROXIDE THROUGH PULSE ELECTROCHEMISTRY	2023/06/06

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2023/05991	PCR AMPLIFICATION IDENTIFICATION METHOD AND SPECIAL PRIMER FOR GOOSE-DERIVED COMPONENTS BASED ON 16S RRNA GENE	2023/06/06
2023/05993	A COMPOSITE VEGETABLE PROTEIN BEVERAGE AND A PREPARATION METHOD	2023/06/06
2023/05994	A PREPARATION METHOD OF BLACK FUNGUS NUTRIENT SOLUTION	2023/06/06
2023/05996	A COMPACT PORTABLE MULTIMODAL MICROSCOPY	2023/06/06
2023/05997	BRACKET BLOCKING UMBRELLA FOR PLEURAL FISTULA	2023/06/06
2023/06013	REGULATING VALVE	2023/06/06
2023/06022	APPLICATION OF ANTIBACTERIAL PEPTIDE LRGG IN PREPARING ANTIBACTERIAL SYNERGIST OF FLUOROQUINOLONES	2023/06/07
2023/06023	TETRAVALENT DENGUE INACTIVATED VACCINE	2023/06/07
2023/06024	INTELLIGENT SORTING METHOD FOR COAL AND GANGUE	2023/06/07
2023/06025	METHOD FOR PREPARING GRIFOLA FRONDOSA EXOPOLYSACCHARIDES	2023/06/07
2023/06026	METHOD FOR EXTRACTING PLEUROTUS ERYNGII IMMUNE PROTEIN AND APPLICATION THEREOF	2023/06/07
2023/06027	TELESCOPIC MECHANISM FOR COATING CATHODE OF IRREGULAR CURVED-SURFACE WORKPIECE	2023/06/07
2023/06028	EXPERIMENTAL DETECTION DEVICE FOR CONCRETE IMPACT RESISTANCE	2023/06/07
2023/06033	SELF-ORGANIZING AND SELF-CLEANING DYNAMIC INTELLISENSE SHOW WINDOW AND ITS DISPLAY METHOD	2023/06/07
2023/06035	MONITORING DATA PROCESSING METHODS, TREND FORECASTING METHODS AND SYSTEMS	2023/06/07
2023/06068	SEEDLING RAISING DEVICE FOR BETA VULGARIS	2023/06/08
2023/06069	INTRAORAL VISUALIZATION MULTIPURPOSE TREATMENT APPARATUS	2023/06/08
2023/06070	HERBAL FORMULAE SCREENING METHOD AND SYSTEM BASED ON DIAGNOSIS AND TREATMENT EXPERIENCE AND INTELLIGENT LEARNING	2023/06/08
2023/06071	THERMAL INSULATION AND FLAME RETARDANT BUILDING MATERIAL AND PREPARATION METHOD THEREOF	2023/06/08
2023/06072	DUAL PROTECTIVE DOORS FOR	2023/06/08

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	CONSTRUCTION ELEVATORS AND FLOOR CONSTRUCTION ENTRANCES	
2023/06076	REACTION DEVICE FOR ELECTROCHEMICAL HYBRID BIOFILM	2023/06/08
2023/06078	LANGUAGE SKILLS TRAINING EQUIPMENT	2023/06/08
2023/06079	A GEOMETRY STRUCTURE OF STATIC RANDOM ACCESS MEMORY (SRAM) FOR HIGH PERFORMANCE AND AREA ON CHIP	2023/06/08
2023/06080	DRILLING PILE CONSTRUCTION PLATFORM IN WATER	2023/06/08
2023/06081	APPARATUS AND METHOD FOR PREDICT EPILEPTIC SEIZURE	2023/06/08
2023/06082	MUD CIRCULATION DEVICE FOR PILE FOUNDATION CONSTRUCTION IN WATER	2023/06/08
2023/06083	CONSTRUCTION METHOD FOR THE MAIN BRIDGE STEEL STRUCTURE	2023/06/08
2023/06085	TOWER CRANE ATTACHED STEEL PIPE COLUMN CONNECTING NODE STRUCTURE	2023/06/08
2023/06110	MULTI-FUNCTIONAL INTEGRATED ON-SITE FIRST AID SKILL TRAINING SYSTEM	2023/06/09
2023/06111	FEEDING TROUGH FOR CAMELS	2023/06/09
2023/06112	GREEN DISPOSAL METHOD FOR PVC PLASTIC WASTES AND APPLICATION OF POROUS CARBON MATERIAL CONVERTED FROM PVC PLASTIC WASTES	2023/06/09
2023/06113	COMPLETE RESOURCE RECOVERY TECHNOLOGY AND COMPLETE RESOURCE RECOVERY SYSTEM FOR SOURCE-SEPARATED URINE	2023/06/09
2023/06114	GRAPHENE PURIFICATION DEVICE AND METHOD FOR MEDICAL WATER	2023/06/09
2023/06115	PREFABRICATED EXTERNAL WALL PANEL CONNECTION STRUCTURE AND ITS CONSTRUCTION METHOD	2023/06/09
2023/06116	WANGJIANG CROSS STITCH PATTERN DESIGN SYSTEM AND DIGITIZATION METHOD	2023/06/09
2023/06117	POLYCLONAL ANTIBODY AGAINST OUTER MEMBRANE PROTEIN OF CITRUS HUANGLONGBING PATHOGEN, AND PREPARATION METHOD AND APPLICATION THEREOF	2023/06/09
2023/06163	PORTABLE OUTDOOR CHARGING DEVICE	2023/06/12
2023/06164	METHOD FOR PREPARING VANADIUM BATTERY ELECTROLYTE BY DISSOLVING WASTE VANADIUM	2023/06/12

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	CATALYST WITH SULFURIC ACID	
2023/06165	URBAN PLANNING SURVEY DEVICE	2023/06/12
2023/06166	NATURAL SASANGUA CAKE SHAMPOO AND SHOWER GEL FOR CHILDREN AND PREPARATION METHOD THEREOF	2023/06/12
2023/06168	DOPAMINE-BASED MODIFIED OVERHAUL SLAG, PREPARATION METHOD AND APPLICATION THEREOF	2023/06/12
2023/06191	MOBILE MOLTEN IRON DESILICONIZING AND DEPHOSPHORIZING METHOD	2023/06/12
2023/06198	ROUND GRANULE POTASSIUM SULFATE COMPOSITE MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF	2023/06/13
2023/06199	METHOD FOR PRODUCING VARIOUS POTASH MAGNESIUM SULFATE FERTILIZER PRODUCTS IN CUSTOMIZED MANNER ACCORDING TO DIFFERENT NUTRIENT REQUIREMENTS	2023/06/13
2023/06200	FORMULA OF PLANT-DERIVED ATTRACTANT	2023/06/13
2023/06203	FIRE CABINET	2023/06/13
2023/06214	METHOD FOR ENHANCING IMAGE EDGE AND CONTRAST	2023/06/13
2023/06233	GEODETIC SURVEY SYSTEM	2023/06/14
2023/06234	PROTECTIVE STRUCTURE FOR RAILWAY SUBGRADE	2023/06/14
2023/06274	SAMPLE PRETREATMENT REAGENT IN THE PROCESS OF DETERMINING ARSENIC IN URINE AND METHOD FOR DETERMINING ARSENIC IN URINE	2023/06/15
2023/06275	METHOD FOR SULFURIZING LEAN COPPER-NICKEL SULFIDE ORE	2023/06/15
2023/06276	ADVANCED TREATMENT COMBINED FILTER SYSTEM FOR SEWAGE PLANT RECONSTRUCTION	2023/06/15
2023/06277	NEW TYPE OF STABLE FERTILIZER FOR GREENHOUSE GAS EMISSION REDUCTION	2023/06/15
2023/06280	WASTE MANAGEMENT SYSTEM	2023/06/15
2023/06292	A MODULAR SYSTEM AND METHOD FOR ONSITE WASTEWATER TREATMENT AND RESOURCE RECOVERY	2023/06/15
2023/06715	PAN-TILT FOR INTELLIGENT VEHICLE AND PAN-TILT CONTROLLER	2023/06/30
2023/06805	BRICK COMPOSITION AND METHOD OF MAKING A BRICK COMPRISING THE BRICK COMPOSITION	2023/07/04
2023/06854	MAPPING OF PAGING EARLY INDICATOR TO MULTIPLE PAGING OCCASIONS	2023/07/05
2023/07576	METHOD FOR PREPARING GLYCOLIC ACID AND METHYL GLYCOLATE	2023/07/31

Application Number	Patent Title	Filing Date
	THROUGH HYDROLYSIS OF METHYL METHOXYACETATE AND METHOXYACETIC ACID	
2023/09408	PRODRUG OF CELECOXIB, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF	2023/10/09
2023/09739	METHOD AND SYSTEM FOR BIOHYDROGEN ALKANE CO-PRODUCING FERMENTATION WITH NEGATIVE CARBONACEOUS EMISSIONS	2023/10/18
2023/09881	TWO-STAGE SWIRL UREA INJECTOR	2023/10/23
2023/09946	DOWNHOLE PREPARATION DEVICE FOR VISCOELASTIC SURFACTANT FRACTURING FLUID AND METHOD	2023/10/25
2023/10048	COAL MINE WATER INRUSH PRECURSOR INFORMATION MONITORING AND WARNING DEVICE AND METHOD	2023/10/27
2023/10182	COMPOSITION, KIT, AND APPLICATION FOR DETECTION OF COLORECTAL CANCER	2023/10/31
2023/10236	WIND-POWERED ENERGY GENERATION SYSTEM FOR MULTI-HULL MARINE VESSELS	2023/11/02
2023/10240	ENERGY RECOVERY SYSTEM FOR MARINE VESSELS	2023/11/02
2023/10345	ENERGY STORAGE SYSTEM	2023/11/07
2023/10475	PYTHON-BASED METHOD FOR AUTOMATICALLY GENERATING LOAD LAYOUT CURVE DOCUMENTS IN BATCHES	2023/11/10
2023/10561	SIGNAL TRANSMITTING DEVICE BASED ON MAGNETICALLY CONTROLLED BRAIN OPTICAL FIBER COMMUNICATION SYSTEM	2023/11/14
2023/10663	IMMUNOGENIC COMPOSITIONS TO TREAT AND PREVENT MICROBIAL INFECTIONS	2023/11/17
2023/10738	TARGET OBJECT CROSS-MEDIA IMAGING SIMULATION METHOD BASED ON MONTE CARLO	2023/11/21
2023/10807	INTERLAYER PRE-COOLING APPARATUS FOR SAND MOLD FREEZING PRINTING	2023/11/22

DESIGNS

Advertisement List for December 2023

Number of Advertised Designs: 124

Application Number	Design Articles	Filing Date
A2021/00699	PACKAGING	2021/06/14
A2022/01155	ICONS	2022/09/29
A2022/01156	ICONS	2022/09/29
A2022/01157	ICONS	2022/09/29
A2022/01158	ICONS	2022/09/29
A2022/01159	ICONS	2022/09/29
A2022/01160	ICONS	2022/09/29
A2022/01161	ICONS	2022/09/29
A2022/01162	ICONS	2022/09/29
A2022/01163	ICONS	2022/09/29
A2022/01166	ICONS	2022/09/29
A2022/01167	ICONS	2022/09/29
A2022/01168	ICONS	2022/09/29
A2022/01169	ICONS	2022/09/29
A2022/01170	ICONS	2022/09/29
A2022/01171	ICONS	2022/09/29
A2022/01172	ICONS	2022/09/29
A2022/01606	CABLE ENCLOSURE	2022/12/12
A2022/01628	STAPLE CARTRIDGES	2022/12/13
A2022/01629	STAPLE CARTRIDGES	2022/12/13
A2022/01630	STAPLE CARTRIDGES	2022/12/13
A2022/01631	RETAINERS FOR STAPLE CARTRIDGES	2022/12/13
A2022/01632	RETAINERS FOR STAPLE CARTRIDGES	2022/12/13
A2022/01633	RETAINERS FOR STAPLE CARTRIDGES	2022/12/13
A2022/01634	STAPLE CARTRIDGES	2022/12/13
A2022/01670	ARTISTIC MOTIF	2022/12/19
A2023/00068	Storage Container Seal	2023/01/13
A2023/00100	Gel Extractor	2023/01/25
A2023/00143	FOOTWEAR	2023/02/01
A2023/00144	FOOTWEAR	2023/02/01
A2023/00150	Packaging	2023/02/02
A2023/00151	Packaging	2023/02/02
A2023/00152	Packaging	2023/02/02
A2023/00153	Packaging	2023/02/02
A2023/00157	PUMPS	2023/02/03
A2023/00158	PUMPS	2023/02/03
A2023/00159	CONTAINERS	2023/02/03
A2023/00160	CONTAINERS	2023/02/03
A2023/00186	Drinking Tumbler with a Cover	2023/02/13
A2023/00187	Drinking Tumbler with a Cover	2023/02/13

Application Number	Design Articles	Filing Date
A2023/00264	Wheel	2023/02/23
A2023/00265	Wheel	2023/02/23
A2023/00266	Wheel	2023/02/23
A2023/00267	Wheel	2023/02/23
A2023/00268	Wheel	2023/02/23
A2023/00269	Wheel Cap	2023/02/23
A2023/00285	TENTS	2023/02/27
A2023/00286	TENTS	2023/02/27
A2023/00315	SMOKE DETECTORS	2023/03/01
A2023/00316	ELECTRIC SWITCHES	2023/03/01
A2023/00317	ELECTRIC SWITCHES	2023/03/01
A2023/00319	AIR SENSOR	2023/03/01
A2023/00322	LASH EXTENSIONS	2023/03/02
A2023/00323	LASH EXTENSIONS	2023/03/02
A2023/00324	LASH EXTENSIONS	2023/03/02
A2023/00325	Band	2023/03/02
A2023/00326	Band	2023/03/02
A2023/00327	Band	2023/03/02
A2023/00328	Band	2023/03/02
A2023/00329	Wearable Device	2023/03/02
A2023/00330	Band	2023/03/02
A2023/00331	Wearable Device	2023/03/02
A2023/00332	Band	2023/03/02
A2023/00333	Band	2023/03/02
A2023/00334	Band	2023/03/02
A2023/00335	Wearable Device	2023/03/02
A2023/00336	Band	2023/03/02
A2023/00337	Band	2023/03/02
A2023/00338	Serving Dish	2023/03/06
A2023/00343	WATCHES	2023/03/08
A2023/00344	WATCH MECHANISMS	2023/03/08
A2023/00345	Haberdashery and Clothing Accessories	2023/03/08
A2023/00346	Personal Belongings and Travel Goods	2023/03/08
A2023/00347	Watches and Clocks	2023/03/08
A2023/00348	Articles of Adornment	2023/03/08
A2023/00349	Curtain wave forming devices	2023/03/08
A2023/00352	Curtain rail brackets	2023/03/08
A2023/00362	A Filter Cage	2023/03/10
A2023/00365	KEYS	2023/03/13
A2023/00367	Cover for a Serving Dish	2023/03/15
A2023/00369	A LASER MEASURING DEVICE	2023/03/15
A2023/00370	Road Trailers for Camping	2023/03/15
A2023/00376	WHEEL LOADER	2023/03/17
A2023/00392	Fuel stations	2023/03/23
A2023/00393	SPACERS	2023/03/24
A2023/00395	CARTRIDGE INJECTORS	2023/03/24
A2023/00396	CARTRIDGE INJECTORS	2023/03/24
A2023/00399	Pen	2023/03/24

Application Number	Design Articles	Filing Date
A2023/00404	LUMINAIRE HOUSING	2023/03/30
A2023/00409	BOTTLES	2023/03/31
A2023/00416	BARBEQUE GRID	2023/04/04
A2023/00435	NOZZLE	2023/04/06
A2023/00436	NOZZLE	2023/04/06
A2023/00445	BOX	2023/04/11
A2023/00446	INVERTER	2023/04/11
A2023/00452	BATTERY CABINET	2023/04/11
A2023/00454	BATTERY CABINET	2023/04/11
A2023/00455	BATTERY CABINET	2023/04/11
A2023/00461	PILLOWCASE	2023/04/12
A2023/00530	DISPLAY SCREEN OR PORTION THEREOF WITH AN ANIMATED GRAPHICAL USER INTERFACE	2023/05/02
A2023/00531	BATTERY HOUSINGS	2023/05/03
A2023/00567	NON-RETURN VALVE	2023/05/11
A2023/00573	POWER SUPPLY UNIT	2023/05/15
A2023/00706	ELECTRONIC CIGARETTE	2023/06/21
F2022/01515	A SUPPORT FOR A ROCK BOLT	2022/11/23
F2022/01608	CABLE MANAGEMENT TRAY	2022/12/12
F2023/00220	TROLLEY CONTAINER	2023/02/20
F2023/00275	Clip	2023/02/24
F2023/00350	Curtain wave forming devices	2023/03/08
F2023/00351	Curtain wave forming apparatuses	2023/03/08
F2023/00353	Curtain rail brackets	2023/03/08
F2023/00389	Gulley Brattice Curtain	2023/03/22
F2023/00403	Separation Sheet for a Support Bag	2023/03/29
F2023/00418	BARBEQUE GRID	2023/04/04
F2023/00462	PILLOWCASE	2023/04/12
F2023/00484	SUPPORT STRUCTURE	2023/04/18
F2023/00485	SUPPORT STRUCTURE	2023/04/18
F2023/00486	SUPPORT STRUCTURE	2023/04/18
F2023/00487	SUPPORT STRUCTURE	2023/04/18
F2023/00566	NON-RETURN VALVE	2023/05/11
F2023/00568	VALVE CLOSURE MEMBER	2023/05/11
F2023/00634	SOLAR PANEL BRACKETS	2023/05/30
F2023/00635	SOLAR PANEL BRACKETS	2023/05/30
F2023/00739	CENTRING DEVICES	2023/07/06

STAATSKOERANT, 27 OKTOBER 2023 No. 49556 71

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NO. 4002 **27 October 2023**

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 Friday 22 December 2023 up to and including Monday 1 January 2024.**

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 Tuesday 2 January 2024.

The lodgment of documents and services of legal documents will be accepted on Thursday 21 December 2023 until 15h30.

The days from Friday 22 December 2023 up to and including Monday 1 January 2024 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 Tuesday 2 January 2024.

Please also take note that with regards to name reservations, all reserved names that would have lapsed between Friday 22 December 2023 up to and including Monday 1 January 2024, will now have their reservation dates moved forward to Tuesday 2 January 2024 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
09/10/2023 16:01:27(UTC+02:00)
Signed by Rory Voller,
RVoller@cipc.co.za

Rory Voller
Commissioner: CIPC