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. - APPLIED ON 2023/10/23 -

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2023/09838 ~ Complete ~54:A CARDIAC EMERGENCY ALERT SYSTEM FOR AUTOMOTIVE DRIVERS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: BHATLAWANDE, Shripad;DHAWALE, Akshay;GAIKWAD, Abhishek;GANDHI, Sayar;GAVARASKAR, Rupali~

2023/09842 ~ Complete ~54:A SMART WINDOW SYSTEM FOR CONTROLLING SUNLIGHT INTENSITY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: MAHAJAN, Chandrashekhar M.;POL, Madhumati N.;SALUNKHE, Raj Satish;SALUNKHE, Shivraj Prakash;SALVE, Sahil Avinash;SAMARTH, Amit Suresh;UPARE, Samarth Santosh~

2023/09844 ~ Complete ~54:A HELMET WITH SAFETY AND MONITORING SYSTEM FOR MINE WORKERS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: CHAUDHARI, Pratik Dinkar;DAVANGE, Pratik Gopal;MANE, Deepak Tatyasaheb;SHINDE, Sandip Ramrao;SURYAWANSHI, Ranjeetsingh Shahajirao;UPADHYE, Gopal Dadarao~

2023/09856 ~ Complete ~54:AQUEOUS DISPERSIONS OF MAGNESIUM COMPOUNDS FOR USE IN PRESERVATION OF HARVESTED PRODUCTS ~71:DEAD SEA BROMINE COMPANY LTD., P.O. Box 180,

Israel ~72: ABUELHAIGA, Mohammed;FRENKLACH, Alexander;FUX, Nikolay;ROZEN, Reuven~ 33:US ~31:63/184,820 ~32:06/05/2021

2023/09872 ~ Complete ~54:A TABLET COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: GIRISH MURALIDHARAN;RAJEESH KUMAR RAMACHANDRAN~ 33:EP ~31:21177956.6 ~32:07/06/2021

2023/09880 ~ Complete ~54:USES OF A SOMATOSTATIN MODULATOR FOR THE TREATMENT OF DISEASE ~71:CRINETICS PHARMACEUTICALS, INC., 10222 Barnes Canyon Road, Building #2, United States of America ~72: KRASNER, Alan S.;LUO, Sha Rosa;MADAN, Ajay~ 33:US ~31:63/193,010 ~32:25/05/2021;33:US ~31:63/274,409 ~32:01/11/2021

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2023/09897 ~ Complete ~54:A HOME CONTROL AND ENVIRONMENTAL MONITORING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: MANDE, Smita S.;MARATHE, Ashutosh S.;NADAF, Sumaiyya Jahangir;NAGRALE, Aditya Vinod;NAGRALE, Rutuj Naresh;NAGRE, Hrucha Gajanan;SHILASKAR, Swati~

2023/09903 ~ Complete ~54:AN AUTOMATED RAIN WIPER AND HEADLIGHT CONTROL SYSTEM FOR AUTOMOBILES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: FATTEPURKAR, Gopika;GULATI, Karanjyot;KARADBHAJANE, Harsh;KARANDE, Aryan;KARBHAJANE, Shravani;PAIGUDE, Karan;WALEKAR, Karan~

2023/09913 ~ Complete ~54:SYNTHESIS OF RAPAMYCIN ANALOG COMPOUNDS ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, United States of America ~72: BALLMER, Steven, G.;HUANG, Xiaojun;LI, Shaoling~ 33:US ~31:63/173,189 ~32:09/04/2021

2023/09936 ~ Complete ~54:ANTI-NECTIN-4 ANTIBODY AND ANTI-NECTIN-4 ANTIBODY-DRUG CONJUGATE, AND MEDICINAL USER THEREOF ~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: TAO, Weikang;YANG, Yang;ZHANG, Haoying~ 33:CN ~31:202110455570.X ~32:26/04/2021

2023/09899 ~ Complete ~54:AN ARTILLERY LAUNCHING AND MISSILE RECOMMENDATION CALCULATING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: DOMBALE, Anita B.;JALNEKAR, Rajesh M.;JOSHI, Soumil;KABARA, Pranita;KACHARE, Mitali;KADAM, Atharv;KADAM, Devika;MAHAJAN, Chandrashekhar M.~

2023/09910 ~ Complete ~54:A REAL-TIME DRONE DETECTION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: JALNEKAR,Rajesh M.;MAHAJAN,Chandrashekhar M.;MUSALE,Prajakta;PATIL, Siddhesh B.;PATIL, Siddhi M.;PATIL,Sanskruti R.;PATIL,Saurabh M.;PATIL,Siddhesh S.~

2023/09918 ~ Complete ~54:HINGE ASSEMBLY AND FOLDABLE ELECTRONIC DEVICE COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677,

Republic of Korea ~72: HYOUNGGIL CHOI;JOONGKYUNG PARK;JUNGHOON PARK;WONHO SHIN~ 33:KR ~31:10-2021-0077845 ~32:16/06/2021

2023/09931 ~ Complete ~54:HETEROCYCLIC DERIVATIVE INHIBITOR AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic and Technological Development Zone, People's Republic of China;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 2, No. 3728 Jinke Road, People's Republic of China ~72: GAO, Peng;WANG, Shaobao;YU, Wensheng;ZENG, Mi~ 33:CN ~31:202110443582.0 ~32:23/04/2021;33:CN ~31:202110653169.7 ~32:11/06/2021;33:CN ~31:202110808316.3 ~32:16/07/2021;33:CN ~31:202110926676.3 ~32:12/08/2021;33:CN ~31:202210072358.X ~32:21/01/2022

2023/09891 ~ Complete ~54:A SINGLE MUTANT STRAIN, A DOUBLE MUTANT STRAIN OR A COMPLEMENT STRAIN OF AEROMONAS DHAKENSIS PHOP OR PHOBR, A CONSTRUCTION METHOD AND AN APPLICATION THEREOF ~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 ~31:202311207881.X ~32:18/09/2023

2023/09901 ~ Complete ~54:A SMART TRACKING DEVICE FOR LOCATING LOST ITEMS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: CHOLKE, Puja;KULKARNI, Mukund;LAMBOR, Shilpa;TIDAKE, Mayur N.;TIDKE, Rushang R.;TIGHARE, Roshani G.;TILEKAR, Tejas V.;TIWADI, Shivam S.~

2023/09920 ~ Complete ~54:CHARGING CONNECTOR AND CHARGING DEVICE ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957, Shunda Road, High-tech Development Zone, Chaoyang District Changchun, Jilin 130000, People's Republic of China ~72: CHAO WANG~ 33:CN ~31:202110453314.7 ~32:26/04/2021

2023/09928 ~ Complete ~54:FRAGRANCE FOR IMPROVING HAPPINESS STATE AND METHOD OF ASSESSING ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER CH-1214, SWITZERLAND, Switzerland ~72: GAETA, Giuliano;GUNASEKARA, Natalie Anuradha T.D.;PROVAN, Alan Forbes~ 33:GB ~31:2107716.9 ~32:28/05/2021

2023/09889 ~ Complete ~54:LAYERED HEAT-DISSIPATION LIQUID COOLING CABINET ~71:CHINA SOUTHERN POWER GRID BIG DATA SERVICE CO., LTD, Unit 101, Building 1-16, Yangcheng Creative Industry Park, No.315 Huangpu Avenue Middle, People's Republic of China ~72: LI, Xueyan;LIU, Yun;XU, Weishu;ZHAN, Haoqin~ 33:CN ~31:202211672388.0 ~32:26/12/2022

2023/09895 ~ Complete ~54:A BLINK CONTROLLED WHEELCHAIR SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: JALNEKAR, Rajesh M.;KULKARNI, Mukund M.;SAWANT, Atharvsinh;SAWANT, Avadhut;SAWANT, Sahil;SAWANT, Yashraj;SAWARKAR, Sanchit;THOPATE, Kaushalya~

2023/09905 ~ Complete ~54:A MULTICHAIN BLOCKCHAIN WALLET FOR SEAMLESS ASSET MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: JOSHI, Deepali;PATIL, Rushal;PATIL, Samved;PAWAR, Tejas;PAWAR, Vedant~

2023/09912 ~ Complete ~54:DEUTERATED COMPOUNDS AND IMAGING AGENTS FOR IMAGING HUNTINGTIN PROTEIN ~71:CHDI FOUNDATION, INC., c/o CHDI Management, Inc., 350 Seventh Avenue, United States of America ~72: BARD, Jonathan;DOMINGUEZ, Celia;HAYES, Sarah;JARVIS, Ashley;KHETARPAL, Vinod;LIU, Longbin;MANGETTE, John E~ 33:US ~31:63/180,608 ~32:27/04/2021

2023/09924 ~ Complete ~54:AMAROUCIAXANTHIN A ESTERS AND USES THEREOF ~71:GAT THERAPEUTICS, S.L., Baldiri Reixac, 4-10, 08028, Barcelona, Spain ~72: EUGÈNIA RUIZ CÁNOVAS;JAUME MERCADÉ ROCA;NOEMÍ GARCÍA-DELGADO BANCHS~ 33:EP ~31:21382644.9 ~32:16/07/2021

2023/09886 ~ Provisional ~54:VALVE ~71:CONVER-TEK (PROPRIETARY) LIMITED, 6 – 8 Coert Steynberg Street, Van Eck Park, Brakpan, 1541, South Africa ~72: BEVAN JOHN DAVIS~

2023/09893 ~ Complete ~54:APPARATUS AND METHOD FOR ELECTROLYTE SOLUTION PRODUCTION ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Boulevard, Allentown, Pennsylvania, 18106-5500, United States of America ~72: Diamond, Barry W;GRAEME RICHARD WILSON;MATTHEW WILLIAM AKHURST;SENTHILKUMAR NANJAPPAN;TIMOTHY EDWARD CONWAY~ 33:US ~31:17/977,085 ~32:31/10/2022

2023/09900 ~ Complete ~54:A PRESSURE COOKER WHISTLE COUNTING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: JALNEKAR, Rajesh M.;SHAH, Bhavya;SHAH, Kushal;SHAH, Purti;SHAH, Riya;SHAH, Srushti;SHILASKAR, Swati;THOPATE, Kaushalya~

2023/09907 ~ Complete ~54:A WEB APPLICATION TO MINT NON FUNGIBLE TOKENS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: DAMRAL, Rameshwar;JANOKAR, Sagar G.;KHARTADKAR, Ram;RAKSHE, Rasika;RAMTEKE, Prashil;SAWANT, Sachin S.;THAKUR, Ramandeep;UPKARE, Makarand~

2023/09915 ~ Complete ~54:LOW-ENERGY-CONSUMPTION MAGNETIZATION TREATMENT DEVICE AND METHOD FOR ALLEVIATING EMITTER CLOGGING IN DRIP IRRIGATION SYSTEM ~71:Northwest A&F University, No.3 Taicheng Road, Yangling Demonstration District, Xianyang City, Shaanxi Province, 712100, People's Republic of China ~72: Chang LYU;Wenquan NIU;Xue ZHAO;Zhaoxi WANG~ 33:CN ~31:2022111887314 ~32:28/09/2022

2023/09921 ~ Complete ~54:METHODS OF B CELL EXPANSION FOR USE IN CELL THERAPY ~71:WALKING FISH THERAPEUTICS, INC., 450 E. Jamie Court, Suite 300, South San Francisco, California 94080, United States of America ~72: MARK J SELBY;SRINIVAS KOTHAKOTA;THOMAS BRENNAN~ 33:US ~31:63/176,463 ~32:19/04/2021

2023/09929 ~ Complete ~54:ORAL CARE FLAVOUR FOR IMPROVING RELAXATION STATE AND METHOD OF ASSESSING ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: GAETA, Giuliano;MATHEWS, Imogen Maria;PARKKINEN, Salla Katja Emilia;PROVAN, Alan Forbes~ 33:GB ~31:2107716.9 ~32:28/05/2021

2023/09932 ~ Complete ~54:COMBINATION THERAPIES COMPRISING SHP2 INHIBITORS AND PD-1 INHIBITORS ~71:HUYABIO INTERNATIONAL, LLC, 12531 High Bluff Drive, Suite 138, United States of America ~72: GILLINGS, Mireille;GOODENOW, Robert;RICONO, Jill M.;SHOJAEI, Farbod~ 33:US ~31:63/184,685 ~32:05/05/2021;33:US ~31:63/320,997 ~32:17/03/2022

2023/09896 ~ Complete ~54:AN INTEGRATED WIND AND SOLAR ENERGY HARVESTING EQUIPMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: KULKARNI, Nishant Shashikant;RASAL, Mukta Vinayak;SONAVANE, Harsh Sanjay;SRIVASTAVA, Harshit Santosh;SULLA, Kartik Harish;UTAGE, Arya Shashank;VYAWAHARE, Om Pankaj~

2023/09904 ~ Complete ~54:AN OBSTACLE DETECTION AND APP CONTROLLED ROBOT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: JALNEKAR, Rajesh;SHINDE, Sandeep;UPADHYE, Gopal. D.~

2023/09925 ~ Complete ~54:DIRECT SAMPLE COLLECTION PAD AND METHOD OF USE FOR ASSAY DIAGNOSIS ~71:OraSure Technologies, Inc., 220 East First Street, BETHLEHEM 18015, PA, USA, United States of America ~72: EMRICK, Mark;FISCHL, Mark;KARDOS, Keith~ 33:US ~31:63/179,768 ~32:26/04/2021

2023/09935 ~ Complete ~54:THERMAL DISCONNECTION AND INDICATION MECHANISM AND SURGE PROTECTION DEVICE ~71:CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD., Room 107, No. 51 Building, 3255# Sixian Road, Songjiang District, People's Republic of China ~72: DENG, Yingchang;GUO, Shaojun;WANG, Xuli;YANG, Fan~ 33:CN ~31:202220338762.2 ~32:18/02/2022

2023/09890 ~ Complete ~54:PACKAGING, TRANSPORTING, AND FIELD-RELEASING DEVICE FOR NATURAL ENEMIES OF PREDATORY PENTATOMOIDEA ~71:Guangdong Institute of Tobacco Science, 6th and 7th Floor, West Tower, Chengtou Business Building, No. 69, Binjiang Road, Wujiang District, Shaoguan City, Guangdong Province, 512000, People's Republic of China ~72: CHEN, Dexin;DENG, Haibin;SUN, Zheng;WANG, Jun;YOU, Ziyi~ 33:CN ~31:2023225671724 ~32:20/09/2023

2023/09906 ~ Complete ~54:A METHOD FOR THE CHEMICAL DISSOLUTION OF ELECTRONIC WASTE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: DEOSARKAR, Manik;GAWANDE, Gayatri D.;JOSHI, Sanchay;KULKARNI, Aarya;KULKARNI, Darshan~

2023/09916 ~ Complete ~54:STERILIZED MULTI-COMPONENT COMPOSITION FOR REMOVAL OF PARTICLES ~71:PURENUM GMBH, Fahrenheitstrasse 1, Germany ~72: Ingo GRUNWALD;Sebastian STÖSSLEIN~ 33:DE ~31:20 2021 103 106.9 ~32:09/06/2021

2023/09919 ~ Complete ~54:RECEPTACLE CONNECTOR ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: HANSEOK MUN;JAERYONG HAN;WANEUI JUNG~ 33:KR ~31:10-2021-0054428 ~32:27/04/2021

2023/09927 ~ Complete ~54:HAIR TREATMENT COMPOSITIONS AND METHODS OF USE ~71:Virtue Labs, LLC, 95 W. 32nd Street, WINSTON-SALEM 27105, NC, USA, United States of America ~72: FALCO, Erin;JACOBSEN, William;REINER, Marc;SHARPE, Emily Anne;VELLOZZI, Debby~ 33:US ~31:63/174,875 ~32:14/04/2021

2023/09892 ~ Complete ~54:TREATMENT PARADIGM FOR AN ANTI-CD19 ANTIBODY AND VENETOCLAX COMBINATION TREATMENT ~71:MORPHOSYS AG, Semmelweisstrasse 7, 82152, Planegg, Germany ~72: DOMINIKA WEINELT;MARK WINDERLICH;MICHAEL SCHWARZ;PETER KELEMEN;STEFFEN HEEGER~ 33:EP ~31:17173712.5 ~32:31/05/2017

2023/09894 ~ Complete ~54:A PROCESS OF SELECTING THE SECURED POSITION OF THE DRONE FOR MAPPING LIVE MINE BLASTS ~71:BHATNAGAR, Anupam, 05, MAHAVEER NAGAR, BEHIND TULSI HOSTEL, SECTOR -4, UDAIPUR, RAJASTHAN, 313001, India;KAUSHAL, Hitanshu, KAUSHAL HOUSE, 13, GOKUL NAGAR, NEAR BOHRA GANESH JI TEMPLE, UDAIPUR, RAJASTHAN, 313001, India ~72: BHATNAGAR, Anupam;KAUSHAL, Hitanshu~

2023/09914 ~ Complete ~54:REFORMATTING OF TENSORS TO PROVIDE SUB-TENSORS ~71:INTERNATIONAL BUSINESS MACHINES CORPORATION, New Orchard Road, United States of America

~72: GOPALAKRISHNAN, Kailash;LICHTENAU, Cedric;SAPORITO, Anthony;SHUKLA, Sunil;SRINIVASAN, Vijayalakshmi;VENKATARAMANI, Swagath~ 33:US ~31:17/350,528 ~32:17/06/2021

2023/09917 ~ Complete ~54:MODULATION CODING SCHEME TABLE EXTENSION FOR NARROWBAND INTERNET OF THINGS USER EQUIPMENT ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: MANGALVEDHE, Nitin;RATASUK, Rapeepat~ 33:US ~31:17/218,629 ~32:31/03/2021

2023/09922 ~ Complete ~54:CYCLIC PEPTIDE-N-ACETYLGALACTOSAMINE (GALNAC) CONJUGATES FOR DRUG DELIVERY TO LIVER CELLS ~71:MICROBIO (SHANGHAI) CO., LTD., No.1188, Guangxing Rd, Songjiang District Shanghai, 201613, People's Republic of China ~72: CHI-FAN YANG;HUAI-YI CHEN;HUI-YU CHEN;YI-CHUNG CHANG~ 33:CN ~31:PCT/CN2021/089305 ~32:23/04/2021

2023/09930 ~ Complete ~54:FRAGRANCE FOR IMPROVING RELAXATION STATE AND METHOD OF ASSESSING ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: GAETA, Giuliano;GUNASEKARA, Natalie Anuradha T.D.;KONTARIS, Ioannis;PROVAN, Alan Forbes~ 33:GB ~31:2107716.9 ~32:28/05/2021

2023/09933 ~ Complete ~54:COMBINATION THERAPIES COMPRISING SHP2 INHIBITORS AND EGFR TYROSINE KINASE INHIBITORS ~71:HUYABIO INTERNATIONAL, LLC, 12531 High Bluff Drive, Suite 138, United States of America ~72: GILLINGS, Mireille;GOODENOW, Robert;RICONO, Jill M.;SHOJAEI, Farbod~ 33:US ~31:63/184,697 ~32:05/05/2021;33:US ~31:63/320,991 ~32:17/03/2022

2023/09885 ~ Provisional ~54:METHOD AND A SYSTEM FOR COLLECTION, CATEGORIZATION, VALIDATION, COMMUNICATION AND REPORTING OF VERIFIED DATA ~71:REWARDTRIX (PTY) LTD, 900 Koedoeberg Avenue, 102 Forest Hill, South Africa ~72: GRABOW, Stephan Heinrich;VAN SCHALKWYK, Tertius Lendert~

2023/09888 ~ Complete ~54:QINGNING TABLETS OBTAINED BASED ON AN INTEGRATED PREPARING AND PROCESSING METHOD ~71:Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences, No. 16, Nanxiao Street, Inner Dongzhimen, Dongcheng District, Beijing, People's Republic of China ~72: GU Xuezhu;LI Chun;LI Pengyue;LI Raorao;LUO Lu;XIN Xueying;XING Zi~

2023/09909 ~ Complete ~54:A SIGN LANGUAGE RECOGNITION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: DESHPANDE, Rupali S.;JOSHI, Kalpesh V.;PAWAR, Shantanu Somnath;PAWAR, Tanishka Prafulla;PAWAR, Tejas Chandrakant;PAWAR, Varun Nirmal;PAWAR, Vedant Sanjay;UPKARE, Makarand~

2023/09923 ~ Complete ~54:PROCESS FOR PREPARING A SPRAY DRIED DETERGENT PARTICLE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ABRAHAM CHACKO;GIRISH KUMAR;KUNAL SHANKAR PAWAR;NADEEM SHAIKH;SHARAVAN KUMAR~ 33:EP ~31:21174572.4 ~32:19/05/2021

2023/09934 ~ Complete ~54:SHP2 INHIBITOR MONOTHERAPY AND USES THEREOF ~71:HUYABIO INTERNATIONAL, LLC, 12531 High Bluff Drive, Suite 138, United States of America ~72: GILLINGS, Mireille;GOODENOW, Robert;RICONO, Jill M.;SHOJAEI, Farbod~ 33:US ~31:63/184,710 ~32:05/05/2021;33:US ~31:63/320,991 ~32:17/03/2022

2023/09887 ~ Provisional ~54:SOLAR BATTERY CHARGING INCORPORATING MINIBUS ~71:Daniel Petrus GROENEWALD, Daniel Petrus Groenewald, Habi Park 10, Erasmus Street, Wilkoppies, South Africa ~72: Daniel Petrus GROENEWALD~

2023/09898 ~ Complete ~54:ANTI CRASH AUTOMATIC DETECTION SYSTEM FOR VEHICLES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: CHANDANSHIVE, Sumitkumar;CHANDRAPATLE, Akshat;CHANDWANI, Neeraj;CHANNAWAR, Shreya;CHARJAN, Anuja;DHAKE, Rajesh;SAWANT, Sachin S.~

2023/09902 ~ Complete ~54:A WOMEN'S SAFETY SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: ADAK, Shantanu;AGARWAL, Priyasha;AGRAWAL, Nupur;CHAVAN, Puja A.;MATTOO, Aaryan~

2023/09908 ~ Complete ~54:A SMART WALKING STICK FOR VISUALLY IMPAIRED PEOPLE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: BEMBADE, Rahul;BHALERAO, Shalmali;CHAKOLE, Sharayu;KEDAR, Shardul;MAHAJAN, Chandrashekhar M.;SHALIGRAM, Yash;SHAMBHARKAR, Sayali;SHILASKAR, Swati~

2023/09911 ~ Complete ~54:AN APPLICATION FOR EFFICIENTLY MANAGING BELONGINGS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: CHITPUR, Shreeshail J.;CHIVATE, Atharva B.;CHOPADE, Pratiksha D.;CHOPADE, Swarup V.;CHOPDA, Arya S.;SAWANT, Sachin S.~

2023/09926 ~ Complete ~54:TIRE CARRIER AND BEDSLIDE ATTACHMENT SYSTEMS ~71:Leer Group, 28858 Ventura Drive, ELKHART 46517, IN, USA, United States of America ~72: ALEVA, John L.;DYLEWSKI II, Eugene A.~ 33:US ~31:63/185,001 ~32:06/05/2021;33:US ~31:17/727,973 ~32:25/04/2022

2023/09937 ~ Complete ~54:CIRCUIT BREAKER ~71:CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD., Room 107, No. 51 Building, 3255# Sixian Road, Songjiang District, People's Republic of China ~72: AO, Denggui;LU, Dengyu;YAN, Lijun;YUAN, Xiaoqin~ 33:CN ~31:202111223461.1 ~32:20/10/2021

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2023/09944 ~ Complete ~54:PROTECTION OF AN ELECTRICAL INSTALLATION ~71:LOUW, Quentin Elliott, 15 Odendaal Street, Verwoerdpark, South Africa ~72: LOUW, Quentin Elliott~ 33:ZA ~31:2023/08475 ~32:04/09/2023

2023/09952 ~ Complete ~54:METHOD FOR PRODUCING A CEMENTED CARBIDE MATERIAL HAVING A REINFORCED BINDER PHASE ~71:BETEK GMBH & CO. KG, SULGENER STRASSE 21 - 23, 78733 AICHHALDEN, GERMANY, Germany ~72: CHMELIK, David;FRIEDERICHS, Heiko;GEIGER, Michael;HALLER, Alexander;HILGERT, Tobias;KRÄMER, Ulrich;PHILIPP, Britta~ 33:DE ~31:10 2021 111 370.9 ~32:03/05/2021;33:DE ~31:10 2021 120 273.6 ~32:04/08/2021

2023/09955 ~ Complete ~54:EXPLOITATION OF TRANSMITTER (TX) POWER FOR EACH BAND DUAL UP-LINK (UL) CARRIER AGGREGATION (CA) ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HENTTONEN, Tero;UMEDA, Hiromasa;VASENKARI, Petri, Juhani~ 33:US ~31:17/301,370 ~32:31/03/2021

2023/09960 ~ Complete ~54:HUMANIZED ANTIBODIES AGAINST PAIRED HELICAL FILAMENT TAU AND USES THEREOF ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: CHOWDHURY, Partha;NANJUNDA, Rupesh;SHA, Fern~ 33:US ~31:63/166,524 ~32:26/03/2021;33:US ~31:63/269,225 ~32:11/03/2022

2023/09965 ~ Complete ~54:ANTISENSE OLIGONUCLEOTIDES AND THEIR USE FOR TREATMENT OF NEURODEGENERATIVE DISORDERS ~71:Eisai R&D Management Co., Ltd., 6-10 Koishikawa, 4-Chome, BUNKYO-KU 112-8088, TOKYO, JAPAN, Japan ~72: CHOI, Hyeong Wook;EASLEY-NEAL, Courtney;FANG, Frank;LEE, Jung Hwa;MITASEV, Branko;VATHIPADIEKAL, Vinod;VEMULA, Praveen;WANG, John~ 33:US ~31:63/181,023 ~32:28/04/2021;33:US ~31:63/320,651 ~32:16/03/2022;33:US ~31:63/334,496 ~32:25/04/2022

2023/09942 ~ Complete ~54:EGGPLANT POROUS CARBON FOR ADSORPTION TREATMENT OF PRINTING AND DYEING WASTEWATER, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Anhui Polytechnic University, Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: LI Lele;LI Wanlong;LIU Zhi;MIAO Yi;ZHAO Jianghui~

2023/09954 ~ Complete ~54:DAMPING DEVICE FOR CIVIL ENGINEERING AND CONTROL METHOD THEREFOR ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, 21 Bohai Road, Tangshan, Hebei, 063210, People's Republic of China ~72: GE, Nan;HAN, Liutao;LIU, Yan;WANG, Xingguo;ZHANG, Hongyin;ZHANG, Xinyuan~ 33:CN ~31:202310892060.8 ~32:20/07/2023

2023/09963 ~ Complete ~54:RAPID MILK SAMPLE PREPARATION METHOD COMPATIBLE WITH MOLECULAR TESTS ~71:Zoetis Services LLC, 10 Sylvan Way, PARSIPPANY 07054, NJ, USA, United States of America ~72: VELINENI, Sridhar~ 33:US ~31:63/181,279 ~32:29/04/2021

2023/09950 ~ Complete ~54:SYSTEM AND METHOD FOR EXECUTING AN ASSEMBLY TASK BY MEANS OF A ROBOT ~71:FFT PRODUKTIONSSYSTEME GMBH & CO. KG, SCHLEYERSTRASSE 1, 36041 FULDA, GERMANY, Germany ~72: KILLER, Alexander;KRAFT, Martin~ 33:DE ~31:10 2021 108 201.3 ~32:31/03/2021

2023/09958 ~ Complete ~54:METHOD AND DEVICE FOR MANUFACTURING SODIUM HYPOCHLORITE SOLUTION ~71:De Nora Permelec Ltd, 2023-15, Endo, FUJISAWA-SHI 2520816, KANAGAWA, JAPAN, Japan ~72: DOMON , Hiroki;KATO , Masaaki;OHARA , Masahiro~ 33:JP ~31:2021-077761 ~32:30/04/2021

2023/09975 ~ Complete ~54:PYRIDINE-SULFONAMIDE DERIVATIVES AS SIGMA LIGANDS ~71:ACONDICIONAMIENTO TARRASENSE, C/ DE LA INNOVACIÓ, 2 08225 TERRASSA, Spain ~72: ALMANSA-ROSALES, Carmen;ALONSO-XALMA, Mónica;CHRISTMANN, Ute;VIRGILI-BERNADÓ, Marina~ 33:EP ~31:21382387.5 ~32:30/04/2021

2023/09940 ~ Complete ~54:METHOD FOR PREPARING METAL NANOPOWDER BY MAGNETICALLY ROTATING ARC PLASMA ~71:Institute of Zhejiang University-Quzhou, No. 78, Jiuhua North Avenue, Kecheng District, Quzhou City, Zhejiang Province, 324000, People's Republic of China;Quzhou Jingzhou Technology Development Co., Ltd., Room 624, No. 15, Chuncheng Road, Quzhou City, Zhejiang Province, 324000, People's Republic of China ~72: LI, Rulong;WAN, Ling;WANG, Jiali;YANG, Qiwei;ZHANG, Ming~ 33:CN ~31:2023102688833 ~32:13/03/2023

2023/09945 ~ Complete ~54:DISPLAY SCREEN ARRANGEMENT ~71:CREATIVE DIGITAL DISPLAYS (PTY) LTD., c/o HANGONE ATTORNEYS,, The Station, Parade on Kloof Office Park,, 1 Parade Street, BEDFORDVIEW, Johannesburg 2007, Gauteng, SOUTH AFRICA, South Africa ~72: THEUNIS, Elcardo Randall~ 33:ZA ~31:2022/11605 ~32:25/10/2022

2023/09947 ~ Complete ~54:METHOD FOR MANUFACTURING A CEMENTED-CARBIDE BODY ~71:BETEK GMBH & CO. KG, SULGENER STRASSE 21 - 23, 78733 AICHHALDEN, GERMANY, Germany ~72: CHMELIK, David;FRIEDERICHS, Heiko;GEIGER, Michael;HALLER, Alexander;HILGERT, Tobias;KRÄMER, Ulrich;PHILIPP, Britta~ 33:DE ~31:10 2021 111 370.9 ~32:03/05/2021;33:DE ~31:10 2021 120 272.8 ~32:04/08/2021;33:DE ~31:10 2021 128 592.5 ~32:03/11/2021

2023/09962 ~ Complete ~54:PATIENT INTERFACE ~71:Fisher & Paykel Healthcare Limited, 15 Maurice Paykel Place, East Tamaki, AUCKLAND 2013, NEW ZEALAND, New Zealand ~72: GARCIA, Enrico Alvarez;O'DONNELL, Kevin Peter;PINKHAM, Maximilian Ichabod;TATKOV, Stanislav;VAN SCHALKWYK, Andre~ 33:US ~31:63/182,251 ~32:30/04/2021;33:AU ~31:2021221460 ~32:24/08/2021

2023/09972 ~ Complete ~54:DEUBIQUITINASE-TARGETING CHIMERAS AND RELATED METHODS ~71:NOVARTIS AG, Lichtstrasse 35, 4056, Basel, Switzerland;THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 1111 Franklin St., Twelfth Floor , Oakland, California, 94607-5200, United States of America ~72: CARL C WARD;DANIEL K NOMURA;DUSTIN LEARD DOVALA;GANG LIU;JEFFREY M MCKENNA;JESSICA NICHOLE SPRADLIN;JOHN A TALLARICO;LYDIA BOIKE;MARKUS EBERHARD SCHIRLE;MATTHEW JAMES HESSE;MELISSA PIGHETTI;NATHANIEL JAMES HENNING~ 33:US ~31:63/181,796 ~32:29/04/2021;33:US ~31:63/186,739 ~32:10/05/2021;33:US ~31:63/273,118 ~32:28/10/2021;33:US ~31:63/311,781 ~32:18/02/2022

2023/09941 ~ Complete ~54:A METHOD FOR PREPARING CALCIUM-BASED ADSORPTION PARTICLES BASED ON OIL-BASED DRILLING CUTTINGS ~71:Chongqing Technology and Business University, No.19, Xuefu Avenue, Nan’an District, Chongqing City, 400067, People's Republic of China ~72: Donglin He;Haifeng Gong;Hong Yin;Ping Ouyang;Yafei Chen~ 33:CN ~31:202311106771.4 ~32:30/08/2023

2023/09946 ~ Complete ~54:DOWNHOLE PREPARATION DEVICE FOR VISCOELASTIC SURFACTANT FRACTURING FLUID AND METHOD ~71:TAIYUAN UNIVERSITY OF TECHNOLOGY, No.79 West Street, Yingze, People's Republic of China ~72: YAN, Fazhi;YANG, Mengmeng;ZHANG, Hao;ZHANG, Junyue~ 33:CN ~31:202310435021.5 ~32:21/04/2023

2023/09951 ~ Complete ~54:VACCINE COMPOSITIONS DEPLETING HEMATOPOIETIC GROWTH FACTORS FOR THE TREATMENT OF INFLAMMATORY DISEASES ~71:CENTRO DE INMUNOLOGIA MOLECULAR, CALLE 216 ESQ. 15, ATABEY, PLAYA, HABANA 11300, LA HABANA ,CUBA, Cuba ~72: FUENTES MORALES, Dasha;GALVEZ VALCARCEL, Jesus, Ramón;LÓPEZ MEDIANILLA, Armando;LAGE DÁVILA, Agustín Bienvenido;LEDÓN NARANJO, Nuris;OTERO ALFARO, Oscar;PÉREZ MARTÍNEZ, Dayana;PEREIRA YÁÑEZ, Karla;ROJAS DORANTES, Gertrudis;SAAVEDRA HERNANDEZ, Danay;SILVA SOSA, Alexa;SUÁREZ FORMIGO, Gisela, María~ 33:CU ~31:2021-0021 ~32:30/03/2021

2023/09956 ~ Complete ~54:CONTROLLING OF QUALITY OF EXPERIENCE MEASUREMENT ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HE, Jing;TOMALA, Malgorzata~

2023/09961 ~ Complete ~54:AMPLIFICATION OF SINGLE STRANDED DNA ~71:Wobble Genomics Limited, Suite 2, Ground Floor, Orchard Brae House, 30 Queensferry Road, EDINBURGH EH4 2HS, UNITED KINGDOM, United Kingdom ~72: KUO, Richard Izen~ 33:GB ~31:2105947.2 ~32:26/04/2021

2023/09970 ~ Complete ~54:PROCESS FOR THE CO-PRODUCTION OF ALKYL MERCAPTAN AND DIALKYL DISULFIDE FROM ALCOHOL ~71:ARKEMA FRANCE, 420, rue d'Estienne d'Orves, 92700, Colombes, France ~72: ERIC LAMANT;GEORGES FREMY;JEAN-MICHEL RAYMOND~ 33:FR ~31:FR2104977 ~32:11/05/2021

2023/09943 ~ Complete ~54:GALLIUM-NITRIDE-BASED MICRO-WIRE TRANSISTOR ARRAY WITH HIGH ELECTRON MOBILITY AND MANUFACTURING METHOD ~71:Zhejiang Xinke Semiconductor Co., Ltd., Room 706, Building 23, No. 68, Jiangnan Road, Chunjiang Street, Fuyang District, Hangzhou, Zhejiang Province, 311400, People's Republic of China ~72: LI, Jingbo;SUN, Yiming;WANG, Xiaozhou~

2023/09948 ~ Complete ~54:CEMENTED CARBIDE MATERIAL ~71:BETEK GMBH & CO. KG, SULGENER STRASSE 21 - 23, 78733 AICHHALDEN, GERMANY, Germany ~72: CHMELIK, David;FRIEDERICHS, Heiko;GEIGER, Michael;HALLER, Alexander;HILGERT, Tobias;KRÄMER, Ulrich;PHILIPP, Britta~ 33:DE ~31:10 2021 111 371.7 ~32:03/05/2021

2023/09953 ~ Complete ~54:NOVEL HETEROCYCLIC COMPOUNDS AND THEIR USE ~71:EQUINORM LTD, C/O TAKIO, MIESTENTIE 2 A 53, 02150 ESPOO, FINLAND, Finland ~72: TAKIO, Ville~ 33:FI ~31:20215387 ~32:31/03/2021

2023/09957 ~ Complete ~54:PHARMACEUTICAL COMPOUND ~71:DUKE STREET BIO LIMITED, 2 DUKE STREET, LONDON W1U 3EH, UNITED KINGDOM, United Kingdom ~72: CHOHAN, Kamaldeep, Kaur;COWLEY, Phillip, Martin;JORDAN, Allan, Michael;JOUANNEAU, Morgan;MCGUINNESS, Barry, Edward;WISE, Alan~ 33:GB ~31:2104664.4 ~32:31/03/2021;33:GB ~31:2114315.1 ~32:06/10/2021

2023/09964 ~ Complete ~54:NOSE RING FOR RUMINANTS ~71:Ceva Sante Animale, 10 Avenue de la Ballastière, LIBOURNE 33500, FRANCE, France ~72: GUIMBERTEAU, Florence;LACOSTE, Sandrine;TIMSIT, Edouard~ 33:EP ~31:21166768.8 ~32:01/04/2021

2023/09968 ~ Complete ~54:TETRAHYDROTHIENO PYRIDINE DERIVATIVES AS DDRS INHIBITORS ~71:CHIESI FARMACEUTICI S.P.A., Via Palermo, 26/A, 43122, Parma, Italy ~72: ANDREA RIZZI;ANNA KARAWAJCZYK;BARBARA KAROLINA WOLEK;BEN PAUL WHITTAKER;DAVID EDWARD CLARK;FABIO RANCATI;KEITH CHRISTOPHER KNIGHT;LAURA CARZANIGA;NICOLÒ IOTTI;STEFANO LEVANTO;TOBY MATTHEW GROVER MULLINS~ 33:EP ~31:21165288.8 ~32:26/03/2021;33:EP ~31:21209682.0 ~32:22/11/2021

2023/09971 ~ Complete ~54:METHOD FOR THE CO-PRODUCTION OF METHYL MERCAPTAN AND DIMETHYL DISULFIDE FROM CARBON OXIDES ~71:ARKEMA FRANCE, 420, rue d'Estienne d'Orves, 92700, Colombes, France ~72: ERIC LAMANT;GEORGES FREMY;HÉLORI SALEMBIER;JEAN-MICHEL RAYMOND~ 33:FR ~31:FR2104979 ~32:11/05/2021

2023/09949 ~ Complete ~54:ENZYMATIC METHOD FOR PRODUCING L-GLUFOSINATE AND ITS PHOSPHOESTERS ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: FISCHER, Daniel;LAUTENSCHÜTZ, Ludger;MÜLLER, Jakob;PÖTTER, Markus~ 33:EP ~31:21166546.8 ~32:01/04/2021

2023/09959 ~ Complete ~54:ANTI-TAU ANTIBODIES AND USES THEREOF ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: NANJUNDA, Rupesh;VAN KOLEN, Kristof~ 33:US ~31:63/166,439 ~32:26/03/2021;33:US ~31:63/196,365 ~32:03/06/2021

2023/09939 ~ Provisional ~54:PALLET ARRANGEMENT ~71:Enviropak (Pty) Ltd, Sataar Business Park, 14 Sacks Circle, South Africa ~72: Majid AZIZ;Muazzam AZIZ~

2023/09938 ~ Provisional ~54:REACTOR AND FUEL SOURCE ~71:EXPLORIUS 2022 (PTY) LTD, Gate 2, Unit 7 (B3/U1), New Germany Industrial Park, 9 Chelsea Avenue, South Africa ~72: DE JAGER, Lewyllen Gerbarndt~

2023/09973 ~ Complete ~54:HUMAN CHROMOSOME 9 OPEN READING FRAME 72 (C9ORF72) IRNA AGENT COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America;REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: AARTI SHARMA-KANNING;BRITTANY SAVAGE;DAVID FRENDEWEY;JAMES D MCININCH;LAN THI HOANG DANG;TUYEN M NGUYEN~ 33:US ~31:63/196,791 ~32:04/06/2021

2023/09966 ~ Complete ~54:ORAL CAPSULE OF PARP INHIBITOR AND PREPARATION METHOD THEREOF ~71:Impact Therapeutics (Shanghai), Inc, Room 603, No.3 Building, 111 Xiangke Road, China (Shanghai) Pilot Free Trade Zone, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China ~72: CAI, Sui Xiong;LIU, Chunhui;MA, Ning;SHI, Zongfeng;ZHAO, Liping~ 33:CN ~31:202110327776.4 ~32:26/03/2021

2023/09967 ~ Complete ~54:ALKALI METAL SALT COMBINATIONS OF INCOMPATIBLE ACTIVE PHARMACEUTICAL INGREDIENTS ~71:GlaxoSmithKline Consumer Healthcare Holdings (US) LLC, 251 Little Falls Drive, WILMINGTON 19808, DE, USA, United States of America ~72: ANDERSON, Gary Bruce;BAILEY, Hope Patricia;BOGGIA, Jonathon Michael;KINTER, Kevin Scott;MOORE, Rachel Elizabeth;PATEL, Jigna Dhanu;PATEL, Shivangi Akash~ 33:US ~31:63/180,784 ~32:28/04/2021

2023/09969 ~ Complete ~54:LAQUINIMOD FORMULATION FOR OCULAR USE ~71:ACTIVE BIOTECH AB, Scheelevägen 22, 223 63, Lund, Sweden ~72: ANDREAS BUHL;HANS WÄNNMAN;HELENA ERIKSSON;MARIE TÖRNGREN~ 33:EP ~31:21166691.2 ~32:01/04/2021

2023/09974 ~ Complete ~54:PURIFYING AND POLYMERIZING 3'-BLOCKED NUCLEOTIDES ~71:ILLUMINA CAMBRIDGE LIMITED, 19 Granta Park, Great Abington, Cambridge, CB21 6DF, United Kingdom;ILLUMINA, INC., 5200 Illumina Way, San Diego, California, 92122, United States of America ~72: AMANDA JACKSON;BRADLEY DREWS;DOMINIC SMITH;ELLIOT LAWRENCE;ERIN IMSAND;HENRY DAY;JASON BETLEY;KIM SCHNEIDER;MARTA RICHARDSON;MICHAEL CHESNEY;OLIVER MILLER;PATRICK MCCAULEY;RAJAGOPAL PANCHAPAKESAN;ROSAMOND JACKSON;STEPHEN MASON;TOMMASO MOSCHETTI~ 33:US ~31:63/193,413 ~32:26/05/2021

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2023/09981 ~ Complete ~54:AN INTELLIGENT OPERATION AND MAINTENANCE MONITORING EQUIPMENT FOR SUBSTATIONS ~71:Zhengzhou University of Aeronautics, No.2, Daxue Middle Road, Zhengzhou, People's Republic of China ~72: Chai Tianjiao;Chen Honggen;Gong Gu;Hu Zhihao;Wang Guodong;Zhang Guohui~

2023/09984 ~ Complete ~54:A REACTION-DIFFUSION PHASE-CHANGED NEURAL NETWORK-BASED METHOD FOR EXTRACTING IMAGE ELEMENTS ~71:Southwest university, Tiansheng Road 2, Beibei District, Chongqing, People's Republic of China ~72: Dong Tao;Hu Wenjie;Lv Meining~ 33:CN ~31:2023103363203 ~32:31/03/2023

2023/09983 ~ Complete ~54:A KIND OF INTEGRATED SAND TABLE FOR BUSINESS ADMINISTRATION TEACHING ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou, People's Republic of China ~72: Hu Xianli;Li Hanxiao;Ren Yijun;Ren Yingyan;Sun Weijie~

2023/09992 ~ Complete ~54:METHOD OF PREPARING A MALT BASED BEVERAGE USING FERMENTABLE SUGAR SOLUTION OBTAINED FROM A STARCH SOURCE OTHER THAN MALT AND A BREWING SYSTEM FOR PREPARING A MALT BASED BEVERAGE ACCORDING TO THAT METHOD ~71:Anheuser-Busch InBev S.A., Grand'Place 1, BRUSSELS 1000 , BELGIUM, Belgium ~72: DE SCHUTTER, David;VANDENBROUCKE, Han~ 33:BE ~31:2017/5215 ~32:30/03/2017

2023/09994 ~ Complete ~54:COMPOSITION AND METHODS FOR SANITIZATION ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: KUTZKO, Joseph, P.;WOLLENSAK, Ryan F.~ 33:US ~31:63/185,786 ~32:07/05/2021

2023/09982 ~ Complete ~54:HEAT TREATMENT METHOD FOR IMPROVING FRACTURE RESISTANCE OF ADDITIVE MANUFACTURED TITANIUM ALLOY ~71:University of Shanghai for Science and Technology, No.

516 Jungong Road, Shanghai, 200093, People's Republic of China ~72: LIU Minghao;LIU Yi;YANG Yi;ZHANG Kai~ 33:CN ~31:2022113369926 ~32:28/10/2022

2023/09976 ~ Provisional ~54:MSM MULTI SURFACE CLEANER ~71:Tyrone Panaino, 23 vlakkenburg street, South Africa ~72: Tyrone Panaino~ 33:ZA ~31:1 ~32:25/10/2023

2023/09978 ~ Provisional ~54:SHUNT AND METHOD FOR TREATING GLAUCOMA ~71:LIQID MEDICAL PROPRIETARY LIMITED, 30 Eden Road, Walmer Estate, Cape Town 7925, SOUTH AFRICA, South Africa ~72: CAMRAS, Lucinda Jean;FISCHER, Joshua David;MCCLUNAN, Daemon Bruce;SWANEPOEL, Liam~

2023/09977 ~ Provisional ~54:RESTRAINING SYSTEM ~71:Cranium Medical Products (Pty) Ltd, 87 Dam Road, Anderbolt, BOKSBURG 1459, SOUTH AFRICA, South Africa ~72: CLIFFE, Allen~

2023/09980 ~ Complete ~54:ARM STRENGTH TRAINING DEVICE FOR MARTIAL ARTS COACHING ~71:Xingzhi College Zhejiang Normal University, 3388 Yingbin Avenue, Lanxi City, Zhejiang Province, 321100, People's Republic of China ~72: KANG Yafeng~

2023/09987 ~ Complete ~54:CHICKEN COOP TRAILER ARRANGEMENT ~71:SG ENGINEERING SOLUTIONS (PTY) LTD., 663 Van Gogh Crescent, MORELETA PARK, Pretoria 0044, Gauteng, SOUTH AFRICA, South Africa ~72: CASTLE, Shaun Peter;KHAN, Ilyas Hassan;ROBINSON, Gavin Stuart~ 33:ZA ~31:2022/11710 ~32:27/10/2022

2023/10000 ~ Complete ~54:COMPOUNDS AND METHODS TARGETING EPIREGULIN ~71:Eli Lilly and Company, LILLY CORPORATE CENTER, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BEIDLER, Catherine Brautigam;BOYLES, Jeffrey Streetman;GIRARD, Daniel Scott;HARLAN, Shannon Marie;JOHNSON, Michael Parvin~ 33:US ~31:63/191,496 ~32:21/05/2021

2023/10003 ~ Complete ~54:CORRUGATED GREEN SHEETS FOR THE PREPARATION OF LARGE-SIZED CERAMIC SHEETS AND RELATED METHODS AND USES ~71:DynElectro ApS, Syvvejen 10, Hal 3, Viby, SJAELLAND 4130, DENMARK, Denmark ~72: EGSGAARD PEDERSEN, Thomas;HØJGAARD JENSEN, Søren;LUND FRANDSEN, Henrik;LYCK SMITHSHUYSEN, Anne;SUDIREDDY, Bhaskar Reddy~ 33:EP ~31:21170635.3 ~32:27/04/2021

2023/10010 ~ Complete ~54:TAAR1 AND SEROTONIN MODULATORS, AND PHARMACEUTICAL COMPOSITIONS, AND METHODS OF USE THEREOF ~71:Sunovion Pharmaceuticals Inc., 84 Waterford Drive, MARLBOROUGH 01752, MA, USA, United States of America ~72: HODGETTS, Kevin Julian;XIE, Linghong~ 33:US ~31:63/173,368 ~32:10/04/2021

2023/10021 ~ Complete ~54:ELECTRODE FOR GAS EVOLUTION IN ELECTROLYTIC PROCESSES ~71:INDUSTRIE DE NORA S.P.A., Via Bistolfi 35, 20134, Milan, Italy ~72: ANNA TESTOLIN;CHIARA DI BARI;DJ DONN MATIENZO;EMANUELE INSTULI~ 33:IT ~31:102021000011936 ~32:10/05/2021

2023/10024 ~ Complete ~54:INJECTABLE ANESTHETIC SOLUTION WITH A REDUCED BITTERNESS ~71:SEPTODONT OU SEPTODONT SAS OU SPÉCIALITÉS SEPTODONT, 58 rue du pont de Créteil, 94100 Saint-Maur-des-Fossés, France ~72: EMILIA PISANI;GILLES RICHARD;LAURENT ARTAUD;RICHARD BALESTRA~ 33:EP ~31:21305567.6 ~32:30/04/2021;33:US ~31:63/182,097 ~32:30/04/2021

2023/10026 ~ Complete ~54:DECARBONATION PROCESS OF CARBONATED MATERIALS IN A MULTI-SHAFT VERTICAL KILN ~71:TECFORLIME, Bld de Lauzelle 65, 1348, Louvain-La-Neuve, Belgium ~72: ALEX AUBERT;CHARLES ROBIN;ETIENNE THIBEAUMONT;PIERRE-OLIVIER CAMBIER~ 33:EP ~31:21173260.7

~32:11/05/2021;33:EP ~31:21173263.1 ~32:11/05/2021;33:EP ~31:21197038.9 ~32:16/09/2021;33:EP ~31:21197039.7 ~32:16/09/2021;33:EP ~31:21214125.3 ~32:13/12/2021;33:EP ~31:21214127.9 ~32:13/12/2021

2023/09986 ~ Complete ~54:AN AEROMONAS DHAKENSIS MUTANT STRAIN DELTA-ARNA AND A DOUBLE MUTANT STRAIN DELTA-UGD-ARNA AND A CONSTRUCTION METHOD AND APPLICATION THEREOF ~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 ~31:202311171120.3 ~32:11/09/2023

2023/09995 ~ Complete ~54:TREATMENT OF MODERATE-TO-SEVERE OSTEOGENESIS IMPERFECTA ~71:BAYLOR COLLEGE OF MEDICINE, One Baylor Plaza Room R814, Houston, United States of America ~72: LEE, Brendan~ 33:US ~31:63/185,967 ~32:07/05/2021

2023/09996 ~ Complete ~54:VIRAL VECTORS WITH REDUCED IMMUNOGENICITY ~71:CORNELL UNIVERSITY, Center for Technology Licensing at Cornell University (CTL), 395 Pine Tree Road, Suite 310, United States of America;UNIVERSITY OF WASHINGTON, 4545 Roosevelt Way NE, Suite 400, Seattle, United States of America ~72: GU, Wenchao;JIANG, Shaoyi;LI, Bowen;LI, Ruoxin;LUOZHONG, Sijin;YUAN, Zhefan~ 33:US ~31:63/166,417 ~32:26/03/2021

2023/09997 ~ Complete ~54:A COMBINED RIGID AND FLEXIBLE ENDOSCOPE WITH FLUSHING AND SUCTION FUNCTIONS ~71:Shanghai Pudong New Area Gongli Hospital（Gongli Hospital affiliated to the Second Military Medical University）, 219 Miaopu Road, Pudong New Area, Shanghai, People's Republic of China ~72: Chen Peng;Chen Xiaoping;Ren Caixia;Sun Yue~ 33:CN ~31:202111548513.2 ~32:17/12/2021

2023/10014 ~ Complete ~54:PROTEIN-MACROMOLECULE CONJUGATES AND METHODS OF USE THEREOF ~71:OD THERAPEUTICS LIMITED, Room 2102, 21th Floor, Prosperity Tower, 39 Queen's Road Central, Hong Kong, 999077, People's Republic of China ~72: HUI LI;YUNTAO SONG~ 33:US ~31:63/167,419 ~32:29/03/2021

2023/10018 ~ Complete ~54:VANDAL-PROOF INSTALLATION SYSTEM FOR THE MONITORING OF PHYSICAL VARIABLES IN WATER, COMPRISING: A FIRST MEMBER; A SECOND MEMBER; A THIRD MEMBER AND A FOURTH MEMBER; WHERE THE FIRST MEMBER COMPRISES A PLURALITY OF COMPARTMENTS FOR HOUSING A PLURALITY OF DEVICES. ASSEMBLY METHOD ~71:CAPTA HYDRO SPA, Nueva Providencia 1881, Oficina 1201 Providencia, Santiago, Chile ~72: EMILIO ALFONSO DE LA JARA HARTWIG;RODRIGO ECHEVERRÍA LAVÍN~

2023/09989 ~ Complete ~54:PURIFICATION METHOD FOR D-CALCIUM PANTOTHENATE ~71:HEILONGJIANG NHU BIOTECHNOLOGY COMPANY LTD., No.2, Hao Tian Road, Economic and Technological Development Zone, Sui Hua City, Hei Longjiang, 152000, People's Republic of China;ZHEJIANG NHU COMPANY LTD., NO.418 Dadao West Road, Xinchang, Shaoxing, Zhejiang, 312500, People's Republic of China ~72: Dang Yiding;He Qiyang;Jiang Lulu;Kang Ning;Ma Li;Peng Jiangen;Yin Qihang;Zhao Desheng~ 33:CN ~31:202211418584.5 ~32:14/11/2022

2023/09991 ~ Complete ~54:A GREEN HYBRID VEHICLE SYSTEM WITH EXHAUST GAS REUTILIZATION AND SOLAR CHARGING ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: GAIKWAD, Jitendra;KAMBLE, Pankaj;NIGUDGE, Harsh;NYALAPELLI, Nikita;PATEL, Nabil;PATHAK, Isha~

2023/09999 ~ Complete ~54:DEVICE AND METHOD FOR PRE-COOLING A STREAM OF A TARGET FLUID TO A TEMPERATURE LESS THAN OR EQUAL TO 90 K ~71:ENGIE, 1 Place Samuel de Champlain,

COURBEVOIE 92400, FRANCE, France ~72: FILALI, Hamza;JALIA, Florian;LINOTTE, Rémi~ 33:FR ~31:2105723 ~32:31/05/2021

2023/10006 ~ Complete ~54:CONTROLLED-RELEASE PROGESTERONE COMPOSITIONS AND USES THEREOF ~71:Ceva Sante Animale, 10 Avenue de la Ballastière, LIBOURNE 33500, FRANCE, France ~72: GUIMBERTEAU, Florence;LACOSTE, Sandrine~ 33:EP ~31:21305424.0 ~32:01/04/2021

2023/10009 ~ Complete ~54:CONNECTOR, ADAPTER, CONNECTOR ASSEMBLY, AND COMMUNICATIONS DEVICE ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Yangquan;JIN, Zhu;LIU, Shenghao~ 33:CN ~31:202110639209.2 ~32:08/06/2021

2023/10011 ~ Complete ~54:PROCESS FOR PRODUCING THIN JUICE FOR THE PRODUCTION OF SUGAR, PROCESS FOR PRODUCING SUGAR AND SUGAR PRODUCTION PLANT ~71:Pfeifer & Langen IP GmbH, Aachener Straße 1042 a, KÖLN 50858, GERMANY, Germany ~72: BURKHARDT, Mark-Oliver;KLOSTERHALFEN, Wolfgang~ 33:EP ~31:21170220.4 ~32:23/04/2021

2023/10017 ~ Complete ~54:COMPOSITIONS AND METHODS FOR SEQUENCING BY SYNTHESIS ~71:ILLUMINA CAMBRIDGE LIMITED, 19 Granta Park, Great Abington, Cambridge, Cambridgeshire, CB21 6DF, United Kingdom;ILLUMINA, INC., 5200 Illumina Way, San Diego, California, 92122, United States of America ~72: ANGELICA MARIANI;ANTOINE FRANCAIS;CHOL STEVEN YUN;CHRISTOPHER WINNARD;FREDERICK JAMES TOPPING;PATRIZIA IAVICOLI;PHILIP BALDING~ 33:US ~31:63/190,983 ~32:20/05/2021

2023/10019 ~ Complete ~54:CUTTING INSERT AND CUTTING TOOL ASSEMBLY INCLUDING SAME ~71:TAEGUTEC LTD., 1040 Gachang-ro, Gachang-Myeon, Dalseong-gun, Daegu, 42936, Republic of Korea ~72: CHANG HEE CHOI;CHANG WON JEONG~ 33:US ~31:17/327,149 ~32:21/05/2021

2023/10023 ~ Complete ~54:METHOD OF MINING A ROCK FORMATION USING A DISC CUTTER AND A ROCK BREAKER TOOL ~71:ELEMENT SIX (UK) LIMITED, Global Innovation Centre, Fermi Avenue, Harwell Oxford, Didcot, Oxfordshire, OX11 0QR, United Kingdom ~72: HABIB SARIDIKMEN;SHUO LU~ 33:GB ~31:2107150.1 ~32:19/05/2021

2023/09979 ~ Provisional ~54:BLASTING SYSTEM ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: TBA~

2023/09990 ~ Complete ~54:FERMENTATION METHOD FOR D-PANTOTHENIC ACID ~71:HEILONGJIANG NHU BIOTECHNOLOGY COMPANY LTD., No.2, Hao Tian Road, Economic and Technological Development Zone, Sui Hua City, Hei Longjiang, 152000, People's Republic of China;ZHEJIANG NHU COMPANY LTD., NO.418 Dadao West Road, Xinchang, Shaoxing, Zhejiang, 312500, People's Republic of China ~72: He Qiyang;Liang Jianfeng;Meng Yuewei;Wang Qiaohe;Zhang Qin;Zhao Desheng~ 33:CN ~31:202211499277.4 ~32:28/11/2022

2023/09993 ~ Complete ~54:METHOD AND APPARATUS FOR SEPARATING VALUABLE MINERALS FROM ORE ~71:Kaakkois-Suomen Ammattikorkeakoulu Oy, Patteristonkatu 3 D, MIKKELI 50100, FINLAND, Finland ~72: KUOPANPORTTI, Hannu;LINNANEN, Teijo~ 33:FI ~31:20206294 ~32:14/12/2020

2023/10005 ~ Complete ~54:COMPOSITIONS AND METHODS FOR IN VIVO NUCLEASE-MEDIATED GENE TARGETING FOR THE TREATMENT OF GENETIC DISORDERS ~71:The Trustees of the University of Pennsylvania, 3600 Civic Center Blvd, 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: TRETIAKOVA, Anna;WANG, Lili;WILSON, James M.~ 33:US ~31:63/180,603 ~32:27/04/2021;33:US

~31:63/242,474 ~32:09/09/2021;33:US ~31:63/244,205 ~32:14/09/2021;33:US ~31:63/301,933 ~32:21/01/2022;33:US ~31:63/331,385 ~32:15/04/2022

2023/10008 ~ Complete ~54:ONCOLYTIC VIRUSES FOR MODIFIED MHC EXPRESSION ~71:KaliVir Immunotherapeutics, Inc., 240 Alpha Drive, PITTSBURGH 15238, PA, USA, United States of America ~72: THORNE, Stephen Howard;ZHANG, Mingrui~ 33:US ~31:63/182,243 ~32:30/04/2021

2023/10012 ~ Complete ~54:MATERIALS AND METHODS FOR THE PREVENTION AND TREATMENT OF VIRAL DISEASES ~71:Oak Crest Institute of Science, Oak Crest Institute Of Science, 132 West Chestnut Avenue, MONROVIA 91016, CA, USA, United States of America ~72: BAUM, Marc M.;GUNAWARDANA, Manjula~ 33:US ~31:63/180,416 ~32:27/04/2021;33:US ~31:63/225,261 ~32:23/07/2021

2023/10016 ~ Complete ~54:CRYSTALLINE FORMS OF 5-FLUORO-4-IMINO-3-METHYL-1-TOSYL-3,4-DIHYDROPYRIMIDIN-2-ONE, AND MIXTURES, COMPOSITIONS AND METHODS OF USE THEREOF ~71:ADAMA MAKHTESHIM LTD., P.O. Box 60, Beer Sheva 8410001, Israel ~72: CHIARA PARISE;CRISTINA IANNI;ENRICO MODENA;GAL SUEZ;HANAN SERTCHOOK;JUDITH ARONHIME;ROTEM SELLA-EREZ;STEFANO LUCA GIAFFREDA~ 33:US ~31:63/184,071 ~32:04/05/2021;33:US ~31:63/184,074 ~32:04/05/2021

2023/10020 ~ Complete ~54:ANTIDEPRESSANT AND ANXIOLYTIC SUBSTITUTED CINNAMAMIDE COMPOUND ~71:TASLY PHARMACEUTICAL GROUP CO., LTD., Tasly Modern TCM Garden, Pu Jihe East Road No.2, Beichen District Tianjin 300410, People's Republic of China ~72: RUI LIU;SHUIPING ZHOU;XIANGYANG WANG;XIAOHUI MA;XIAOQING LI;XUCONG GAO~ 33:CN ~31:202110606431.2 ~32:28/05/2021

2023/10022 ~ Complete ~54:HYPERIMMUNIZED EGG PRODUCT FOR TREATING OR PREVENTING ALCOHOLIC LIVER DISEASE AND GRAFT-VERSUS-HOST DISEASE ~71:PRODIGY BIOTECH, 719 Bradford Terrace West Chester, Pennsylvania 19382, United States of America ~72: SUBRAMANIAN V IYER;SUNNY PATEL~ 33:US ~31:63/175,603 ~32:16/04/2021

2023/10025 ~ Complete ~54:BISPECIFIC BINDING AGENTS BINDING TO CLDN18.2 AND CD3 ~71:ASTELLAS PHARMA EUROPE B.V, Sylviusweg 62, 2333 BE, Leiden, Netherlands;XENCOR, INC., 111 West Lemon Avenue, Monrovia, California, 91016, United States of America ~72: ALEX NISTHAL;GREGORY MOORE;MATTHEW BERNETT~ 33:EP ~31:PCT/EP2021/066141 ~32:15/06/2021

2023/09998 ~ Complete ~54:CRYSTALLINE FORM OF A SHP2 INHIBITOR ~71:Array BioPharma Inc., 3200 Walnut Street, BOULDER 80301, CO, USA, United States of America ~72: BROWN, Katie Keaton;GOODWIN, Aaron Keith~ 33:US ~31:63/169,340 ~32:01/04/2021;33:US ~31:63/321,902 ~32:21/03/2022

2023/10002 ~ Complete ~54:ERODIBLE TABLET ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ABURUB, Aktham;DOGRA, Mridula;ELSAYED, Mohamed Elsayed Hamed;HUANG, Siyuan;PATEL, Phenil Jayantilal;TRAN, Huyen Thanh~ 33:US ~31:63/185,615 ~32:07/05/2021

2023/09985 ~ Complete ~54:A NEURAL NETWORK-BASED IRIS RECOGNITION METHOD ~71:Southwest university, Tiansheng Road 2, Beibei District, Chongqing, People's Republic of China ~72: Dong Tao;Hu Wenjie;Lv Meining~ 33:CN ~31:2023103362766 ~32:31/03/2023

2023/10027 ~ Provisional ~54:TOPSAFE RETRACTABLE AND SAFE FOR ASCENDING AND DESCENDING ~71:IPELENG GIFT MOATSHE, 433 Buiten Drive, South Africa ~72: IPELENG GIFT MOATSHE~

2023/09988 ~ Complete ~54:AN AUTOMATED PIPE AND WIRE CUTTING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA - 411037, India ~72: KULKARNI, Nishant;THORAT, Shreya;TIDKE, Rushang;TILEKAR, Tejas;WABLE, Dnyaneshwari;WAJGE, Chetan~

2023/10001 ~ Complete ~54:SPIROINDOLINONE COMPOUNDS AS KV1.3 POTASSIUM SHAKER CHANNEL BLOCKERS ~71:D. E. Shaw Research, LLC, 120 West 45th Street, 39th Floor, NEW YORK 10036, NY, USA, United States of America ~72: GIORDANETTO, Fabrizio;JENSEN, Morten Østergaard;JOGINI, Vishwanath;SNOW, Roger John~ 33:US ~31:63/194,599 ~32:28/05/2021

2023/10004 ~ Complete ~54:METHODS AND COMPOSITIONS COMPRISING MHC CLASS I PEPTIDES ~71:Board of Regents, The University of Texas System, 210 West 7th St., AUSTIN 78701, TX, USA, United States of America ~72: CHIU, Yulun;PAN, Ke;YEE, Cassian~ 33:US ~31:63/176,477 ~32:19/04/2021

2023/10007 ~ Complete ~54:METHOD AND APPARATUS FOR EXTRACTION OF CEMENTED CARBIDE BODIES FROM A COMPONENT ~71:Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: BERG, Jan;CERMENIUS, Claes Roland;NILSEN, Petter~ 33:EP ~31:21174416.4 ~32:18/05/2021

2023/10013 ~ Complete ~54:CHELATORS FOR RADIOMETALS AND METHODS OF MAKING AND USING SAME ~71:THE UNIVERSITY OF BRITISH COLUMBIA, University-Industry Liaison Office 103 - 6190 Agronomy Road Vancouver, Canada ~72: ORVIG, Chris;WHARTON, Luke~ 33:US ~31:63/185,951 ~32:07/05/2021

2023/10015 ~ Complete ~54:ELECTRONIC DEVICE INCLUDING HEAT DISSIPATION STRUCTURE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: CHANHEE OH;DONGKEE JUNG;YONGYOUN KIM~ 33:KR ~31:10-2021-0044838 ~32:06/04/2021

. - APPLIED ON 2023/10/27 -

2023/10042 ~ Complete ~54:APPARATUS AND METHOD FOR SECUREMENT OF A FLEXIBLE CONDUIT ~71:JAVELO HEALTH LIMITED, Suite 2, Ground Floor, Orchard Brae House, United Kingdom ~72: BARNETT-VANES, Dr. Ashton;KITCHING, Alan~ 33:GB ~31:2106271.6 ~32:30/04/2021

2023/10028 ~ Provisional ~54:PET POOL BUDDI ~71:Chantell Combrinck, Plot 185, Rietbokstreet, Waterval North, South Africa ~72: Chantell Combrinck~

2023/10044 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATMENT OF DIABETIC RETINOPATHY AND RELATED CONDITIONS ~71:OCUPHIRE PHARMA, INC., 37000 Grand River Ave., Suite 120, United States of America ~72: BRIGELL, Mitchell George;CHARIZANIS, Konstantinos;KELLEY, Mark R.;MESSMANN, Richard Adam;PATEL, Ronil Ajaykumar;SOOCH, Mina~ 33:US ~31:63/182,037 ~32:30/04/2021

2023/10045 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE PREPARATION AND ITS APPLICATION FOR TREATING INFERTILITY ~71:Anhui Medical University, No. 81 Meishan Road, Sanli'an Street, Shushan District, Hefei City, Anhui Province, 230032, People's Republic of China;Hefei Doushuaigong Medical Technology Co., LTD, No.#13, Building #1, East of the south Section of Changhuai Road,Shuihu Town, Changfeng County, Hefei City, Anhui Province, 231100, People's Republic of China ~72: Mingxiang XU;Wenjie LU;Youzhi XU~ 33:CN ~31:2021104889912 ~32:29/04/2021

2023/10051 ~ Complete ~54:METHOD AND APPARATUS FOR INDUSTRIAL PRODUCTION OF RENEWABLE SYNTHETIC FUELS ~71:GIDARA ENERGY B.V., Hofweg 33, Netherlands ~72: GOEL, Avishek;MOGHADDAM, Elyas M.;MOHAMMEDI, Alireza;TOPOROV, Dobrin;ZANDE, Chris van der;ZANDE, Wim van der~ 33:EP ~31:21172588.2 ~32:06/05/2021

2023/10056 ~ Complete ~54:USE OF MEDICAMENT IN TREATMENT OF TUMOR DISEASE ~71:Sichuan Kelun-Biotech Biopharmaceutical Co., Ltd., No.666, Xinhua Avenue (Section 2), Hai Xia Industrial Park, Wenjiang District, CHENGDU 611138, SICHUAN, CHINA (P.R.C.), People's Republic of China ~72: CHENG, Yezhe;DIAO, Yina;GE, Junyou;JIN, Xiaoping;LIU, Gesha;OUYANG, Xuenong;RAO, Chun;WANG, Jingyi;XU, Ying~ 33:CN ~31:202110482012.2 ~32:30/04/2021

2023/10038 ~ Complete ~54:A FINANCIAL TEACHING DISPLAY AND STAMPING DEVICE ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou, People's Republic of China ~72: Hu Xianli;Li Hanxiao;Ren Yijun;Ren Yingyan;Sun Weijie~

2023/10039 ~ Complete ~54:RESECTION GUIDES, SWEEPING REAMERS, AND METHODS FOR USE IN TOTAL ANKLE REPLACEMENT ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: BARMES, Francis D.;CHRISTENSEN, Jeffrey;DACOSTA, Albert;DOGUÉ, Joseph;LEE, Daniel J.~ 33:US ~31:62/779,436 ~32:13/12/2018;33:US ~31:62/898,615 ~32:11/09/2019

2023/10041 ~ Complete ~54:DETECTION DEVICE AND DETECTION METHOD FOR HERBICIDE CONTENT IN GRAIN ~71:XIAONING ZHENG, 6-1 Zhongxin Street, Wudi County, Shandong Province, People's Republic of China ~72: XIAONING ZHENG~ 33:CN ~31:2023110429968 ~32:18/08/2023

2023/10046 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF PEMBROLIZUMAB AND USE THEREOF ~71:JOINT STOCK COMPANY "BIOCAD", pomeshch 89, str. 1, d. 38, ul. Svyazi, The settlement of Strelna, Intracity Municipality, Russian Federation ~72: ANDREEVA, Anastasiia Alekseevna;IAKOVLEV, Aleksandr Olegovich;KOSTANDIAN, Alina Aleksandrovna;LOMKOVA, Ekaterina Aleksandrovna;MOROZOV, Dmitry Valentinovich~ 33:RU ~31:2021112111 ~32:27/04/2021

2023/10049 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING FIBROSIS ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil, Hyangnam-eup, Republic of Korea ~72: BAE, Da Jeong;CHO, Min Jae;KIM, Ji Hyeon;LEE, Caroline Hee;PARK, Joon Seok;PARK, Min Young~ 33:KR ~31:10-2021-0062252 ~32:13/05/2021

2023/10054 ~ Complete ~54:ANTI-SEMA3A ANTIBODIES AND USES THEREOF ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: DRÖBNER, Karoline;ELLINGER, Philipp;FILARSKY, Katharina;FLAMME, Ingo;MCALEESE ESER, Fionnuala Mary;SCHÖNFELD, Dorian;SCHMIDT, Antje;SEDAGHAT, Yalda;WEBER, Ernst;WUNDERLICH, Winfried;YOUNG, Kenneth~ 33:EP ~31:21165960.2 ~32:30/03/2021

2023/10066 ~ Complete ~54:ROTARY CONE BIT COMPRISING AN IDENTIFICATION TAG ~71:Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: ROLDAN SALDES, Raul~ 33:EP ~31:21175411.4 ~32:21/05/2021

2023/10070 ~ Complete ~54:MULTIFUNCTIONAL BISPECIFIC FUSION POLYPEPTIDE ~71:GUANGDONG FAPON BIOPHARMA INC., Room 301, Building 10, No.1 Taoyuan Road, Songshan Lake Park Dongguan, Guangdong, 523000, People's Republic of China ~72: DI LU;LISHENG LU;YONGTING HUO~ 33:CN ~31:202110436970.6 ~32:22/04/2021;33:CN ~31:202110871320.4 ~32:30/07/2021;33:CN ~31:202111121937.0 ~32:24/09/2021;33:CN ~31:202210240917.3 ~32:10/03/2022

2023/10043 ~ Complete ~54:METHOD OF SHIFTING REDUNDANCY VERSION FOR THE TRANSMISSION OF A TRANSPORT BLOCK OVER MULTIPLE SLOTS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KINNUNEN, Pasi, Eino, Tapio;MARCONE, Alessio;MASO, Marco;NHAN, Nhat-Quang;RANTA-AHO, Karri, Markus~ 33:US ~31:17/221,954 ~32:05/04/2021

2023/10047 ~ Complete ~54:A GRADING METHOD, DEVICE, ELECTRONIC EQUIPMENT AND STORAGE MEDIUM OF SCRAP STEEL PREHEATING ~71:Hebei University of Science & Technology, No.26 Yuxiang Street, Yuhua District, Shijiazhuang City, Hebei Province, 050018, People's Republic of China ~72: Baochen HAN;Chunniu YANG;Liguang ZHU;Qi WANG;Suling LU;Yaxu ZHENG;Zhihong GUO~ 33:CN ~31:202210618119X ~32:02/06/2022

2023/10055 ~ Complete ~54:NUCLEIC ACID MOLECULES FOR CONFERRING INSECTICIDAL PROPERTIES IN PLANTS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: AZHAKANANDAM, Kasimalai;CHAE, Hyunsook S.;CHEN, Zhongying;CONVILLE, Jared;ZHANG, Yan;ZHOU, Ailing~ 33:US ~31:63/183,672 ~32:04/05/2021

2023/10064 ~ Complete ~54:HERBICIDAL COMPOSITIONS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: HOLLOWAY, Thomas Edward;WAILES, Jeffrey Steven;WATKINS, Melanie Jayne~ 33:EP ~31:21173152.6 ~32:10/05/2021

2023/10075 ~ Complete ~54:METHOD FOR MORPHOLOGICAL PROCESSING OF MICROWAVE RADAR IMAGES IN THE MEDICAL FIELD USING DIFFERENT HYPOTHESES ON THE MEDIUM THROUGH WHICH THE MICROWAVE SIGNALS PASS ~71:MVG INDUSTRIES, 13 Rue du Zéphyr Parc d'activités de l'Océane, 91140, Villejust, France ~72: AGATHI FASOULA;LUC DUCHESNE~ 33:FR ~31:FR2104690 ~32:04/05/2021

2023/10032 ~ Complete ~54:DEVICE, SYSTEM, AND METHOD FOR MONITORING AND CONTROLLING ABNORMALITIES OF LIGHT STRIP ~71:Sichuan Hongrui Electric Co., Ltd., Building 201, Comprehensive Bonded Zone, No. 261, Feiyun Avenue East Section, High tech Zone, Mianyang City, Sichuan Province, 621000, People's Republic of China ~72: SHI, Yuchuan;TIAN, Zixia;WEI, Wei;ZHANG, Naijiu~ 33:CN ~31:202211336830.2 ~32:28/10/2022

2023/10035 ~ Complete ~54:A MULTIMEDIA TEACHING DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou, People's Republic of China ~72: Hu Xianli;Li Hanxiao;Ren Yijun;Ren Yingyan;Sun Weijie~

2023/10050 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING FIBROSIS ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil, Hyangnam-eup, Republic of Korea ~72: CHO, Min Jae;HAN, Ju Mi;LEE, Caroline Hee;PARK, Joon Seok;PARK, Min Young~ 33:KR ~31:10-2021-0062252 ~32:13/05/2021;33:KR ~31:10-2021-0110520 ~32:20/08/2021

2023/10059 ~ Complete ~54:DOSING REGIMENS OF PEPTIDE CONJUGATES OF TOPOISOMERASE I INHIBITORS ~71:Cybrexa 2, Inc., 5 Science Park, 395 Winchester Avenue, NEW HAVEN 06511, CT, USA, United States of America ~72: DECILLIS, Arthur P.;PARALKAR, Vishwas~ 33:US ~31:63/181,640 ~32:29/04/2021

2023/10062 ~ Complete ~54:ORTHOPEDIC IMPLANTS AND METHODS ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: ANDERLE, Mathew Richard;CARROLL, Michael Edward;DODD, Kevin Alan;GOLDBERG, Andrew Julian;MARIK, Gregory Charles;OBERT, Richard Matthew~ 33:US ~31:63/167,965 ~32:30/03/2021

2023/10029 ~ Provisional ~54:FLOATING BARRIER ~71:COCHRANE STEEL PRODUCTS (PTY) LTD, 125 Fitter Road, South Africa ~72: TBA~

2023/10060 ~ Complete ~54:COMPOUNDS AND USES THEREOF ~71:Foghorn Therapeutics Inc., 500 Technology Square, Suite 700, CAMBRIDGE 02139, MA, USA, United States of America ~72: BRUCELLE, Francois;DENG, Jing;NETHERTON, Matthew;VOIGT, Johannes H.;WILSON, Kevin J.~ 33:US ~31:63/186,550 ~32:10/05/2021;33:US ~31:63/325,716 ~32:31/03/2022

2023/10061 ~ Complete ~54:ZN-AL-MG PLATED CHECKERED STEEL PLATE ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8071, JAPAN, Japan ~72: GOTO, Yasuto;SAITO, Mamoru~ 33:JP ~31:2021-064721 ~32:06/04/2021

2023/10068 ~ Complete ~54:ANTI-HUMAN PD-1 AGONIST ANTIBODY AND PHARMACEUTICAL COMPOSITION COMPRISING THE ANTIBODY FOR TREATING OR PREVENTING INFLAMMATORY DISEASES ~71:FOUNDATION FOR BIOMEDICAL RESEARCH AND INNOVATION AT KOBE, 6-3-7, Minatojima Minamimachi, Chuo-ku, Kobe-shi, Hyogo, 6500047, Japan;MEIJI SEIKA PHARMA CO., LTD., 4-16, Kyobashi 2-chome Chuo-ku, Tokyo, 1048002, Japan;NATIONAL INSTITUTES OF BIOMEDICAL INNOVATION, HEALTH AND NUTRITION, 7-6-8, Saito-Asagi, Ibaraki-shi, Osaka, 5670085, Japan ~72: AKIO OHTA;HARUHIKO KAMADA;KENSUKE SUZUKI;MASAKI TAJIMA;SATOSHI NAGATA;TAKAYOSHI FUKUSHIMA;TASUKU HONJO;YOSUKE TOKUMARU~ 33:JP ~31:2021-081913 ~32:13/05/2021;33:JP ~31:2021-086534 ~32:21/05/2021

2023/10073 ~ Complete ~54:SYSTEM FOR DRAWING OFF THE ELECTRODE CAPS FROM ELECTRODE ADAPTERS ~71:BRÄUER SYSTEMTECHNIK GMBH, Gewerbering 33, 09456, Annaberg-Buchholz, Germany ~72: JENS NITZ;JENS STOPP;ROBIN KÜTTNER~ 33:DE ~31:10 2021 112 548.0 ~32:14/05/2021

2023/10074 ~ Complete ~54:HYDROGENATION OF NITROBENZOIC ACID AND NITROBENZAMIDE ~71:FMC AGRO SINGAPORE PTE. LTD., 10 Marina Boulevard #40 - 01, Marina Bay Financial Centre, Singapore, 018983, Singapore;FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: CHRISTINA S STAUFFER;IVAN SERGEYEVICH BALDYCHEV;RAFAEL SHAPIRO;RICHARD M CORBETT~ 33:US ~31:63/182,091 ~32:30/04/2021

2023/10030 ~ Provisional ~54:COOKER ~71:Jon Adam Creswick, 28 High Road, Orchards, South Africa ~72: Jon Adam Creswick~

2023/10031 ~ Complete ~54:A METHOD FOR COMBINING AND CONFIGURING NEW FOAMING AGENTS WITH HIGH SELECTIVITY AND HIGH FOAMING PROPERTIES ~71:CHINALCO RESEARCH INSTITUTE OF SCIENCE AND TECHNOLOGY CO., LTD, Block C (Future Technology City), Ya'an Shopping Mall, Beiqijia Town, People's Republic of China;MINERAL CHINALCO PERU S.A., Av. Santa Cruz 180, Miraflores, Peru ~72: DAI, Fangrong;LI, Tengfei;LIANG, Jia;MO, Yongda;SU, Yaohua;WANG, Miaomiao;WU, Haijun;XIONG, Renyan;YANG, Dong;YU, Xiaoguang;ZHANG, Xudong~

2023/10033 ~ Complete ~54:A PRE-PLANTING TREATMENT DEVICE FOR MOUNTAINOUS PARASOL TREE SEEDS ~71:Zhejiang Subtropical Crops Research Institute, No.334 Xueshan Road, Ouhai District, Wenzhou, Zhejiang Province, People's Republic of China ~72: Dai HuiMing;Gu QinHeng;Li XiaoWen;Liu Xing;Lu Xiang;Wang JinWang;Xu LiMin~ 33:CN ~31:2023112908878 ~32:08/10/2023

2023/10037 ~ Complete ~54:A CONVENIENT WEARABLE VR DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue,

Zhengdong New District, Zhengzhou, People's Republic of China ~72: Hu Xianli;Li Hanxiao;Ren Yijun;Ren Yingyan;Sun Weijie~

2023/10040 ~ Complete ~54:TRANSACTION CARDS WITH DISCONTINUOUS METAL STRATA ~71:COMPOSECURE, LLC, 500 Memorial Drive, Somerset, New Jersey, 08873, United States of America ~72: ADAM LOWE;JOHN ESAU~ 33:US ~31:63/032,911 ~32:01/06/2020

2023/10048 ~ Complete ~54:COAL MINE WATER INRUSH PRECURSOR INFORMATION MONITORING AND WARNING DEVICE AND METHOD ~71:CHINA ACADEMY OF SAFETY SCIENCE AND TECHNOLOGY, Building A 1, 32 Beiyuan Road, Chaoyang District, People's Republic of China ~72: CHI, Mingbo;DAI, Chuangchuang;GUAN, Lei;HU, Ping;ZHOU, Fubao~ 33:CN ~31:202310466648.7 ~32:27/04/2023

2023/10053 ~ Complete ~54:CAN ~71:ENVICAN GMBH, Bühler-Areal 27, 8482, Switzerland ~72: SCHÖNIG, Christoph~ 33:AT ~31:A50285/2021 ~32:16/04/2021

2023/10058 ~ Complete ~54:ELECTROLYTE FORMULATIONS AND ADDITIVES FOR IRON ANODE ELECTROCHEMICAL SYSTEMS ~71:Form Energy, Inc., 30 Dane Street, SOMERVILLE 02143, MA, USA, United States of America ~72: EISENACH, Rebecca Marie;GIBSON, Michael Andrew;NEWHOUSE, Jocelyn Marie;PERKINS, Nicholas Reed;SCHRODER, Kjell William;TAYLOR, Olivia Claire;THOMAS-ALYEA, Karen;THOMPSON, Annelise Christine;WOODFORD, William Henry~ 33:US ~31:63/181,757 ~32:29/04/2021

2023/10063 ~ Complete ~54:JAK1 PATHWAY INHIBITORS FOR THE TREATMENT OF PRURIGO NODULARIS ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: BROWN, Kurt Andrew;SMITH, Paul~ 33:US ~31:63/183,249 ~32:03/05/2021

2023/10072 ~ Complete ~54:METHOD AND DEVICE FOR DETERMINING OVERBURDEN FAILURE HEIGHT, AND ELECTRONIC EQUIPMENT AND STORAGE MEDIUM ~71:CCTEG COAL MINING RESEARCH INSTITUTE, Tiandi Building, No.5 Qingniangou Road, Chaoyang District, Beijing, China 100013, People's Republic of China;TIANDI SCIENCE & TECHNOLOGY CO.,LTD., Tiandi Building, No.5 Qingniangou Road, Chaoyang District, Beijing, China 100013, People's Republic of China ~72: FENGDA ZHANG;LEI LI;XIWEN YIN;YAN LI;YEJIE SONG;YUJUN ZHANG~ 33:CN ~31:202210583375X ~32:25/05/2022

2023/10076 ~ Complete ~54:COMBINATION THERAPIES FOR TREATING CANCER ~71:ALX ONCOLOGY INC., 323 Allerton Avenue, South San Francisco, California, 94080, United States of America ~72: BANG JANET SIM;HONG WAN;JAUME PONS;SOPHIA RANDOLPH;TRACY CHIA-CHIEN KUO~ 33:US ~31:63/188,388 ~32:13/05/2021;33:US ~31:63/193,581 ~32:26/05/2021

2023/10052 ~ Complete ~54:A MOBILE RADIO STATION ~71:CRITICAL INFRASTRUCTURE TECHNOLOGIES PTY LTD, 176 Marine Terrace, Fremantle, Australia ~72: HILL, Andrew;JACOB, John~ 33:AU ~31:2021901291 ~32:30/04/2021

2023/10057 ~ Complete ~54:ANTI-C-MET ANTIBODY DRUG CONJUGATES ~71:AbbVie Inc., 1 North Waukegan Road, NORTH CHICAGO 60064, IL, USA, United States of America ~72: ANDERSON, Mark;BOGHAERT, Erwin R.;BRUNCKO, Milan;DOHERTY, George A.;JI, Cheng;PHILLIPS, Andrew C.;REILLY, Regina M.~ 33:US ~31:63/181,963 ~32:29/04/2021

2023/10065 ~ Complete ~54:BICYCLIC HETEROAROMATIC INHIBITORS OF KLK5 ~71:BioCryst Pharmaceuticals, Inc., 4505 Emperor Blvd., Suite 200, DURHAM 27703, NC, USA, United States of America ~72: BABU, Yarlagadda S.;DANG, Zhao;KOTIAN, Pravin L.;LU, Peng-Cheng;RAMAN, Krishnan;ZHANG, Weihe~ 33:US ~31:63/174,860 ~32:14/04/2021

2023/10071 ~ Complete ~54:ANTENNA STRUCTURE FOR IMPROVING RADIATION PERFORMANCE AND ELECTRONIC DEVICE COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: HIMCHAN YUN;JAEBONG CHUN;NAKCHUNG CHOI;SOONHO HWANG~ 33:KR ~31:10-2021-0052431 ~32:22/04/2021

2023/10067 ~ Complete ~54:UNDERGROUNG DRILLING RIG TRAMMING CONTROL ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: ANTTILA, Sami;HANSKI, Sami;LINDGREN, Jouni~ 33:EP ~31:21176165.5 ~32:27/05/2021

2023/10069 ~ Complete ~54:A METHOD FOR CONSTRUCTING A MOUSE MODEL WITH SHORT TELOMERE ~71:NANJING MEDICAL UNIVERSITY, No. 101, Longmian Avenue Jiangning District, Nanjing, Jiangsu, 211166, People's Republic of China ~72: CHENG WANG;HONGBING SHEN;JUNCHENG DAI;YAYUN GU;ZHIBIN HU~ 33:CN ~31:202211323532.X ~32:27/10/2022

2023/10034 ~ Complete ~54:PREDICTION METHOD FOR JOINTED ROCK MASS DEFORMATION BASED ON ACOUSTIC EMISSION SELF-SIMILARITY COEFFICIENT AND ENTROPY ~71:University of Science and Technology Beijing, No.30 Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China ~72: Fenhua REN;Meifeng CAI;Peng LI;Pengjin YANG;Shengjun MIAO;Xiangfan SHANG;Yu WANG;Zhengjun HUANG~

2023/10036 ~ Complete ~54:A CLASS DISPLAY DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou, People's Republic of China ~72: Hu Xianli;Li Hanxiao;Ren Yijun;Ren Yingyan;Sun Weijie~

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2023/10123 ~ Complete ~54:PARAMETER IDENTIFICATION METHOD AND PARAMETER IDENTIFICATION DEVICE FOR WIND TURBINE ~71:GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., No. 107 Shanghai Road, Economic & Technological Development Zone, Urumqi, Xinjiang, 830026, South Africa ~72: JINPENG WANG;LIANGNIAN LV;RUI GUO~ 33:CN ~31:202110349970.2 ~32:31/03/2021

2023/10091 ~ Complete ~54:METHOD OF PRODUCING ENERGY ABSORBING FOAM FROM INDUSTRIAL SCRAP ~71:Dr. Avinash Lakshmikanthan, S/o. Lakshmikanthan M, # 27 Nanjappa Layout, Adjacent to Krishna Garden, Bangalore, Karnataka, 560059, India;Dr. Chithirai Pon Selvan, S/o. Muthu Perumal, 25-3A, Viricode (PO), Marthandam, Kanyakumari District, Tamil Nadu, 629165, India;Sanket Shinde, S/o. Hari Ishwara Shinde Sonaishwar, Polt No 5 ,R S No 747, Near Vasant Vishwas Park, Devkar Panad, Kolhapur, Maharashtra, 416012, India;Vinayak Malik, S/o. Raghunath V. Malik, H. No. 3475, Above Saraswat Bank, Samadevi Complex, Samadevi Lane, Belagavi, Karnataka, 590001, India ~72: Dr. Avinash Lakshmikanthan;Dr. Chithirai Pon Selvan;Sanket Shinde;Vinayak Malik~ 33:IN ~31:202341000505 ~32:04/01/2023

2023/10122 ~ Complete ~54:MICRONIZED LIPIDS ~71:MCAL THERAPEUTICS INC., P.O. Box 122 Park City, Utah 84060, United States of America ~72: THOMAS GADEK~

2023/10085 ~ Complete ~54:DEVICE FOR FEEDING, OBSERVING, AND STUDYING LIMICOLOUS ANIMALS AND USAGE METHOD THEREOF ~71:Jishou University, No. 120, Renmin South Road, Jishou City, Hunan, 416000, People's Republic of China ~72: LI, Linbei;LI, Shi;LIU, Zhixiao~

2023/10090 ~ Complete ~54:SUBSOIL INTERVAL MIXING PLOUGH ~71:Jiamusi Branch of Heilongjiang Academy of Agricultural Sciences, 531 Anqing Street, Dongfeng District, Jiamusi City, Heilongjiang Province, People's Republic of China ~72: CAI Lijun;FENG Haoyuan;GAO Xuedong;HUANG Chengliang;JI Chunru;JIN

Xiaochun;JING Jiangbo;KUANG Enjun;MA Rui;MENG Qingying;QIU Lei;TENG Zhanlin;WANG Liguo;WANG Qingsheng;WANG Zijie;WU Lili;XU Jiefei;YANG Weibin;YUE Minghao;ZHANG Chunfeng;ZHU Baoguo~

2023/10184 ~ Complete ~54:CRYSTALLINE FORMS OF A PHARMACEUTICAL COMPOUND ~71:Azafaros B.V., J.H. Oortweg 21, LEIDEN 2333 CH, THE NETHERLANDS, Netherlands ~72: BLATTER, Fritz;HETT, Robert;LANDSKRONER, Kyle;ROBIN, Jennifer~ 33:EP ~31:20199934.9 ~32:02/10/2020

2023/10098 ~ Complete ~54:DATA BREACH SYSTEM AND METHOD ~71:SONTIQ, INC., 920 Franklin Square Drive, Suite 250, Nottingham, Maryland, 21236, United States of America ~72: ALPHONSE PASCUAL;JAMES VAN DYKE~ 33:US ~31:62/926,467 ~32:26/10/2019;33:US ~31:16/638,046 ~32:10/02/2020;33:US ~31:17/080,556 ~32:26/10/2020

2023/10102 ~ Complete ~54:MACROCYCLIC TAK1 INHIBITORS ~71:AQILION AB, c/o HETCH AB Redaregatan 48, SE-252-36 Helsingborg, Sweden ~72: BORGSTRÖM, Björn;JOHANSSON, Martin Hans;PAULSEN, Filip;SVENSSON, Bo~ 33:GB ~31:2109446.1 ~32:30/06/2021;33:GB ~31:2203326.0 ~32:10/03/2022

2023/10116 ~ Complete ~54:SYSTEM AND METHOD FOR SENSING USAGE OF A CONTROLLED MEDICAL THERAPY DEVICE ~71:10XBETA, 19 Morris Ave., Bldg 128 New Lab, United States of America ~72: BOTHA, Marcel;BREDENKAMP, Johannes Michiel;KRUGER, Frederick Zacharias~

2023/10119 ~ Complete ~54:METHOD FOR PREPARING A LIBRARY OF PEPTIDES OR A PEPTIDE ~71:ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), EPFL-TTO EPFL Innovation Park J, 1015, Lausanne, Switzerland ~72: ALEXANDER LUND NIELSEN;CHRISTIAN HEINIS;GANESH KUMAR MOTHUKURI;GONTRAN SANGOUARD;MANUEL MERZ;MISCHA SCHÜTTEL;SEVAN HABESHIAN;ZSOLT BOGNÁR~ 33:EP ~31:21174036.0 ~32:17/05/2021

2023/10078 ~ Provisional ~54:PAPER TUBS AND LIDS FOR FOOD PACKAGING ~71:LIME HUB (PTY) LTD, 1005 Vleivalk Street, Montana Park, South Africa ~72: JACOBUS FREDERICK DU PLESSIS~

2023/10081 ~ Provisional ~54:A DEVICE FOR SHAPING OR FORMING A TIP OF AN ENDOVASCULAR CATHETER ~71:FLATSCHER, Michael, Franz Schalk - Platz 912, Austria ~72: FLATSCHER, Michael~

2023/10084 ~ Complete ~54:LARGE-SPAN CONCRETE PRESTRESS STABILITY TESTING SYSTEM AND DISCRIMINATION METHOD ~71:THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, No.0169 Qianhai Road, Nanshan subdistrict, Nanshan District, Shenzhen, 518000, People's Republic of China ~72: CHAI, Da;CHANG, Yuehui;CHENG, Junxin;LI, Peng;SUN, Bo;SUN, Chune;XU, Haiwen;YUE, Xuesheng~ 33:CN ~31:202310950816.X ~32:31/07/2023

2023/10088 ~ Complete ~54:ROAD SMOOTHING CONSTRUCTION DEVICE ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: ZHANG Huiyuan~

2023/10092 ~ Complete ~54:A STORAGE FOLDING RACK FOR A STERILIZER LOADING VEHICLE ~71:The First Hospital of Jiaxing, No. 1882, Central South Road, Jiaxing, Zhejiang, People's Republic of China ~72: Xiamei Chen~

2023/10094 ~ Complete ~54:A SLIDING REVERSE CONSTRAINT CONTROL METHOD UNDER FLEXIBLE CABLE ENVIRONMENT OF FLYING-AWAY LINE INSPECTION ROBOT ~71:Shihezi University, Fourth North Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832000, People's Republic of China ~72: Bo LI;Dexin

WANG;Huidong LI;Jie SONG;Jie ZHANG;Jin LEI;Tianming FENG;Xinyan QIN;Yanqi WANG;Yujie ZENG;Zhaojun LI~

2023/10104 ~ Complete ~54:DEGRADABLE WASTE PROCESSING ~71:The Trustees of Columbia University in the City of New York, 412 Low Memorial Library, 535 West 116th Street, NEW YORK 10027, NY, USA, United States of America ~72: LAI, Ruby~ 33:US ~31:63/177,118 ~32:20/04/2021;33:US ~31:63/308,107 ~32:09/02/2022

2023/10107 ~ Complete ~54:TEAD INHIBITORS ~71:Orion Corporation, Orionintie 1, ESPOO FI-02200, FINLAND, Finland ~72: AHLMARK, Marko;DIN BELLE, David;NOUTSIAS, Dimitris;PIETIKÄINEN, Pekka;RUMMAKKO, Petteri;SIPILÄ, Julius;WOHLFAHRT, Gerd~ 33:FI ~31:20217071 ~32:16/04/2021

2023/10111 ~ Complete ~54:MODULATORS OF TREX1 ~71:Constellation Pharmaceuticals, Inc., 470 Atlantic Ave, Suite 1401, BOSTON 02210, MA, USA, United States of America ~72: COFFIN, Aaron;GUERIN, David J.;KHANNA, Avinash;LEVELL, Julian R.;MCELROY, William T.;ROCNIK, Jennifer L.;WILSON, Jonathan E.;ZABLOCKI, Mary-Margaret~ 33:US ~31:63/179,723 ~32:26/04/2021

2023/10114 ~ Complete ~54:CAPSULE DEVICE WITH AN APERTURE FORMED BY AN OVERLAP OF TWO HALVE-CAPSULE SHELLS ~71:ESOCAP AG, Malzgasse 9, Switzerland ~72: FRECH, Peter;GAMBONI, Viviane;KAISER, Andreas;MOSER, Silvio;ROSENBAUM, Christoph;STANGIER, Peter~ 33:EP ~31:21175427.0 ~32:21/05/2021

2023/10095 ~ Complete ~54:FUSION PROTEINS OF HUMAN PROTEIN FRAGMENTS TO CREATE ORDERLY MULTIMERIZED IMMUNOGLOBULIN FC COMPOSITIONS WITH ENHANCED COMPLEMENT BINDING ~71:Gliknik Inc., 801 W. Baltimore Street, Suite 501A, BALTIMORE 21201, MD, USA, United States of America ~72: BLOCK, David S.;OLSEN, Henrik~ 33:US ~31:62/196,478 ~32:24/07/2015

2023/10097 ~ Complete ~54:ELECTRONIC DEVICE INCLUDING ANTENNA DEVICE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DONGJUN OH;JONGHYUCK LEE;SHINHO YOON;SOONHO HWANG~ 33:KR ~31:10-2019-0019551 ~32:19/02/2019;33:KR ~31:10-2019-0078718 ~32:01/07/2019

2023/10099 ~ Complete ~54:REMOTE MONITORING MODULE ~71:REACTON FIRE SUPPRESSION LTD, 4-5 Mitchell Street, United Kingdom ~72: KOUTSOS, Theodoros~ 33:GB ~31:2104447.4 ~32:29/03/2021

2023/10101 ~ Complete ~54:HEATER ASSEMBLY HAVING A SEALED AIRFLOW PATHWAY ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BESSANT, Michel;CAPELLI, Sébastien;HOW, Jun Jie;SAADE LATORRE, Eva;TURRINI, Enrico;YIM, Jun, Wei~ 33:EP ~31:21166787.8 ~32:01/04/2021

2023/10106 ~ Complete ~54:MACROCYCLIC GLUCAGON-LIKE PEPTIDE 1 RECEPTOR AGONISTS ~71:Eli Lilly and Company, LILLY CORPORATE CENTER, INDIANAPOLIS 46285, IN, USA, United States of America ~72: AGEJAS CHICHARRO, Francisco Javier;BAUER, Renato Alejandro;BELL, Michael Gregory;CHEN, Qi;CUMMING, Graham Robert;FIELDS, Todd;GERNERT, Douglas Linn;HO, Joseph Daniel;KAOUDI, Talbi Abelkader;MÍNGUEZ ORTEGA, José Miguel;MASQUELIN, Thierry Jean;PRIEGO SOLER, Julian;RODRIGUEZ HERGUETA, Antonio;WOERLY, Eric Michael~ 33:US ~31:63/191,034 ~32:20/05/2021;33:US ~31:63/254,564 ~32:12/10/2021;33:EP ~31:21383172.0 ~32:21/12/2021

2023/10110 ~ Complete ~54:INSTRUMENTATION AND METHODS FOR TOTAL ANKLE ARTHROPLASTY ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72:

ALLARD, Randy;DOGUE, Joseph;MELTON, Duncan;WOODS, Zachary Ryan~ 33:US ~31:63/170,879 ~32:05/04/2021

2023/10113 ~ Complete ~54:FUEL CELL SYSTEM AND METHOD FOR OPERATING THE SAME ~71:Technische Universität München, Arcisstraße 21, MÜNCHEN 80333, GERMANY, Germany ~72: FISCHER, Felix;HAUCK, Maximilian;HERRMANN, Stephan;SPLIETHOFF, Hartmut;WEINRICH, Jeremias~ 33:EP ~31:21171268.2 ~32:29/04/2021

2023/10115 ~ Complete ~54:METHOD FOR CONTROLLING THE TEMPERATURE AND HUMIDITY OF THE AIR CONTAINED IN A REFRIGERATED CHAMBER AND REFRIGERATED CHAMBER SUITABLE FOR SUCH A METHOD ~71:DPKL, 2825 Route de Pommevic, France ~72: DESPIERRES, Christophe;DUPRAC, Benoit;VIDOT, Kévin~ 33:FR ~31:2104763 ~32:05/05/2021

2023/10120 ~ Complete ~54:DEVICE AND METHOD FOR UNLOCKING AN ELECTROMECHANICAL LOCK ~71:SWEDLOCK AB, Korsvägen 31, 302 56 Halmstad, Sweden ~72: JOHAN HÖRBERG;MARTIN LINDVALL~ 33:SE ~31:2150515-1 ~32:23/04/2021

2023/10121 ~ Complete ~54:MULTISPECIFIC FGF21 RECEPTOR AGONISTS AND THEIR USES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: ANN-HWEE LEE;CHIA-YANG LIN;NAGA SUHASINI AVVARU;SAMUEL DAVIS;YANG SHEN~ 33:US ~31:63/183,976 ~32:04/05/2021;33:US ~31:63/333,293 ~32:21/04/2022

2023/10103 ~ Complete ~54:FREQUENCY MONITORING CIRCUIT AND METHOD FOR MONITORING THE FREQUENCY OF AN AC-SIGNAL ~71:GTS DEUTSCHLAND GMBH, Thalesplatz 1, Germany ~72: Dominik LING;Markus KOCH~ 33:EP ~31:21177318.9 ~32:02/06/2021

2023/10112 ~ Complete ~54:METHODS FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES AND EXHIBITING ONE OR MORE INDICIA ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: GARNIER, Jean;MARTINI, Thibaut;PITTET, Hervé;RUGGERONE, Riccardo;VEYA, Patrick~ 33:EP ~31:21166341.4 ~32:31/03/2021

2023/10149 ~ Complete ~54:DEVICE AND METHOD FOR PRODUCING CARBON AND NITROGEN COLLABORATIVE ULTRA-HIGH NITROGEN STEEL THROUGH MULTI-FURNACE PRESSURE CASTING ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO. 21 BOHAI AVENUE, People's Republic of China ~72: LIU, Jimeng;SONG, Qiong;WANG, Shuhuan;ZHANG, Fucheng;ZHAO, Dingguo~ 33:CN ~31:202211304520.2 ~32:24/10/2022

2023/10082 ~ Provisional ~54:A DRILL ASSEMBLY, A METHOD OF INSTALLING A VALVE, AND A VALVE INSTALLATION KIT ~71:GOVENDER, Preevin, 18 Whitehall Place, Mount Edgecombe, DURBAN 4302, KZN, SOUTH AFRICA, South Africa ~72: GOVENDER, Preevin~

2023/10083 ~ Complete ~54:METHOD FOR LAYER-BY-LAYER CUMULATIVE AND SYNCHRONOUS LIFTING CONSTRUCTION OF WAVY SPECIAL-SHAPED STEEL STRUCTURE CANOPY ~71:THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, No.0169 Qianhai Road, Nanshan subdistrict, Nanshan District, Shenzhen, 518000, People's Republic of China ~72: LI, Hongyang;LI, Sai;LIU, Chenfei;MENG, Lijuan;SUI, Haitao;SUN, Chune;YANG, Kun;YUAN, Hanchao~ 33:CN ~31:202310950646.5 ~32:31/07/2023

2023/10086 ~ Complete ~54:WOOD STOVE FOR BURNING COMPOSITE BIOCHAR AND ITS APPLICATION ~71:Haikou Totem new energy application and research development Co. Ltd, Room 11-1022, 10th Floor, No.11

Junhao Shijia Business Building, No.25 Baishuitang Road, Xiuying District, Haikou City, Hainan Province, People's Republic of China ~72: WANG Yabin;WANG Zehua~ 33:CN ~31:2023101830973 ~32:01/03/2023

2023/10105 ~ Complete ~54:METHOD OF OPERATING AN ELECTRIC ARC FURNACE AND STEEL MILL ~71:Paul Wurth S.A., 32, rue d'Alsace, LUXEMBOURG 1122, LUXEMBOURG, Luxembourg ~72: KRULL, Jan;PAPALIA, Katia~ 33:LU ~31:500065 ~32:20/04/2021

2023/10108 ~ Complete ~54:PANEL AND METHOD FOR MANUFACTURING THEREOF ~71:Plantics Holding B.V., Westervoortsedijk 73 BF, ARNHEM 6827 AV, THE NETHERLANDS, Netherlands ~72: BAKKER, Wridzer Jan Willem;GERARDIN, Lucas~ 33:EP ~31:21167263.9 ~32:07/04/2021

2023/10079 ~ Provisional ~54:LOCKING MECHANISM ~71:MOUTON, Johannes Petrus, No. 9, Ceder Avenue, Clubview, South Africa ~72: MOUTON, Johannes Petrus~

2023/10087 ~ Complete ~54:A PREPARATION METHOD OF CALCIUM BASED ADSORBENT BASED ON SUPERCRITICAL CO2 EXTRACTION TECHNOLOGY ~71:Chongqing Technology and Business University, No.19, Xuefu Avenue, Nan’an District, Chongqing City, 400067, People's Republic of China ~72: Donglin He;Haifeng Gong;Hong Yin;Ping Ouyang;Yafei Chen~ 33:CN ~31:202310940909.4 ~32:28/07/2023

2023/10093 ~ Complete ~54:DUAL-MODE ENERGY FEEDBACK CONTROL METHOD FOR A CIRCUIT INSPECTION ROBOT ~71:Shihezi University, Fourth North Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832000, People's Republic of China ~72: Bo JIA;Bo LI;Dexin WANG;Huidong LI;Jie SONG;Jie ZHANG;Jin LEI;Tianming FENG;Xinyan QIN;Yanqi WANG;Yujie ZENG;Zhaojun LI~

2023/10096 ~ Complete ~54:MOWER SYSTEM AND MOWING METHOD BASED ON FIXED ARTIFICIAL ULTRAVIOLET POLARIZED LIGHT POSITIONING ~71:Guang Zhou Shi Cong Hua Qu Wan Qu She Ji Xie Tong Yan Jiu Yuan, No. [2004], No.169, Gongqing Road, Liangkou Town, Conghua District, Guangzhou city, Guangdong Province, People's Republic of China;Hubei University of Technology, No.28, Nanli Road, Hongshan District, Wuhan city, Hubei Province, People's Republic of China ~72: Lou Jiacheng;Ying Fangtian;Ying Weiqiang~

2023/10100 ~ Complete ~54:METHODS AND NODES FOR IMR AND CMR ASSOCIATION FOR NCJT ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), 164 83, Sweden ~72: GAO, Shiwei;MÄÄTTÄNEN, Helka-Liina;MURUGANATHAN, Siva;NILSSON, Andreas~ 33:US ~31:63/187,100 ~32:11/05/2021

2023/10109 ~ Complete ~54:COMPOSITION OF ALUMINIUM OXIDE AND CERIUM OXIDE WITH A PARTICULAR POROSITY PROFILE ~71:Rhodia Operations, 9 rue des Cuirassiers, Immeuble Silex 2 Solvay, LYON 69003, FRANCE, France ~72: HARLE, Virginie;HERNANDEZ, Julien;IFRAH, Simon;YAGLIDERE, Oguzhan~ 33:EP ~31:21315093.1 ~32:28/05/2021

2023/10117 ~ Complete ~54:ELECTRONIC DEVICE COMPRISING HINGE COVER ~71:FUSEPROJECT, 1401 16th Street , San Francisco, California, 94103, United States of America;SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: BYOUNGJIN KIM;JUNYONG SONG;NAKYOUNG LEE;QIN LI;SEJUNG WHANG;VALENTIN SOLLIER;YVES BEHAR~ 33:KR ~31:10-2021-0056837 ~32:30/04/2021

2023/10118 ~ Complete ~54:NOVEL ORAL LIQUID COMPOSITIONS OF ENZALUTAMIDE AND METHOD OF MANUFACTURING THEREOF ~71:BDR PHARMACEUTICALS INT’L PVT. LTD, 407-408, Sharda Chambers, New Marine Lines, Mumbai, Maharashtra, 400020, India ~72: AGRAWAL VIJAY ASHOK;BADIGER ARAVIND MANAPPA;CHOKSI RAKSHIT KETANBHAI;DARJI HIRENKUMAR JITENDRAKUMAR;GANDHI PRASHANT

KANAIYALAL;JAYASWAL NILAY MANIKANT;MORI NITIN MERUBHAI;PANCHAL NIMITKUMAR HARISHCHANDRA;SHAH DHARMESH MAHENDRABHAI;SHARMA MUKESHKUMAR SUBHASHCHANDRA;TRIVEDI MADHAVKUMAR DILIPBHAI;VORA PRATIK ASHWINBHAI~ 33:IN ~31:202121030404 ~32:07/07/2021

2023/10080 ~ Provisional ~54:PROMOGAME MARKETING AND PROMOTION SYSTEM ~71:Adriaan Pretorius, 623 BROOKDALE, SOMERSET LAKES, South Africa ~72: Adriaan Pretorius~

2023/10089 ~ Complete ~54:ROAD PLASTIC FILM STICKING EQUIPMENT FOR ROAD CONSTRUCTION ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: ZHANG Huiyuan~

. - APPLIED ON 2023/10/31 -

2023/10172 ~ Complete ~54:METHOD AND SYSTEM FOR OPERATING A COMMINUTION PROCESS IN A BALL MILL ~71:S.P.M. Instrument AB, P.O. Box 504, STRÄNGNÄS 645 25, SWEDEN, Sweden ~72: SUNDSTRÖM, Tim~ 33:IB ~31:2021/000004 ~32:09/04/2021;33:SE ~31:2151244-7 ~32:08/10/2021

2023/10179 ~ Complete ~54:HYALURONIC ACID-PRODUCING RECOMBINANT CELLS ~71:GIVAUDAN SA, Chemin de la Parfumerie 5,1214 Vernier, Switzerland ~72: DOMINIQUE LOUIS;DOMINIQUE THOMAS;KARINE JAILLARDON;LIONEL DURANT;VALENTINA BEVILACQUA~ 33:EP ~31:21166743.1 ~32:01/04/2021;33:EP ~31:21306488.4 ~32:26/10/2021

2023/10152 ~ Complete ~54:CAPSULE DEVICE WITH AN APERTURE FORMED BY A WALL PART OF ONE OF TWO HALF-CAPSULE SHELLS ~71:ESOCAP AG, Malzgasse 9, Switzerland ~72: FRECH, Peter;GAMBONI, Viviane;KAISER, Andreas;MOSER, Silvio;ROSENBAUM, Christoph;STANGIER, Peter~ 33:EP ~31:21175436.1 ~32:21/05/2021

2023/10153 ~ Complete ~54:CENTRIFUGAL SLURRY PUMP IMPELLER SHROUD WITH LIP ~71:WEIR MINERALS AUSTRALIA LTD, 1 Marden Street, Australia ~72: BOIS, Adrian Lionel;GLAVES, Garry Bruce;MOSCOSO LAVAGNA, Luis~ 33:AU ~31:2021901936 ~32:25/06/2021

2023/10156 ~ Complete ~54:PNEUMATIC SYSTEM FOR AN ANAESTHESIA SYSTEM ~71:DRÄGERWERK AG & CO. KGAA, Moislinger Allee 53-55, Germany ~72: Andreas BRANDT;Dennis STURM;Peter BACH~ 33:DE ~31:10 2021 122 598.1 ~32:01/09/2021

2023/10162 ~ Complete ~54:A SPLIT-DECK SCREENING DEVICE FOR SCREENING BULK MATERIAL ~71:Sandvik Ltd, 2 Tullyvannon Road, Ballygawley, DUNGANNON BT70 2HW, UNITED KINGDOM, United Kingdom ~72: BEATTIE, Stephen;KELLY, Stephen~ 33:EP ~31:21176244.8 ~32:27/05/2021

2023/10150 ~ Complete ~54:FUSED HETEROCYCLIC DERIVATIVES AS NEGATIVE ALLOSTERIC MODULATORS OF MGLU7 RECEPTOR ~71:ADDEX PHARMA S.A., Chemin des Mines, 9, Switzerland ~72: DUVEY, Guillaume;FINN, Terry;PAPARIN, Jean-Laurent;ROCHER, Jean-Philippe~ 33:GB ~31:2106872.1 ~32:13/05/2021

2023/10124 ~ Provisional ~54:A DEVICE FOR SHAPING OR FORMING A TIP OF AN ENDOVASCULAR CATHETER ~71:MIN MEDICAL INNOVATION NETWORK GmbH, Franz Schalk - Platz 912, Austria ~72: FLATSCHER, Michael~

2023/10130 ~ Provisional ~54:EDUCATION SYSTEM ~71:VAN DER SANDT, Catharina Maria, 84 La Bellucia, Eagle Canyon Golf Estate, South Africa ~72: VAN DER SANDT, Catharina Maria~

2023/10141 ~ Complete ~54:MODEL FOR TRAINING HIGH SIMULATION COLONOSCOPY ~71:PRECLINIC MEDTECH (SHANGHAI) CO., LTD., Room 2109, 2/F, No. 152 and 153, Lane 3938, Huqingping Road, Qingpu District, People's Republic of China;THE FIRST AFFILIATED HOSPITAL OF NAVAL MEDICAL UNIVERSITY, No. 168, Changhai Road, People's Republic of China ~72: BAI, Yu;PENG, Changhao;SUI, Xiangyu;WANG, Chenglong;WU, Wanzhong;ZHANG, Song;ZHAO, Shengbing~

2023/10155 ~ Complete ~54:UNDERCARRIAGE TRACK ROLLER HAVING ASYMMETRIC SHELL WITH OIL GROOVES AND ROLLER SHAFT FOR SAME ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: SUANNO, Gennaro~ 33:US ~31:17/308,445 ~32:05/05/2021

2023/10165 ~ Complete ~54:WALLET APPLICATION INSTANTIATION, KEYS DERIVATION FOR SIGNING BLOCKCHAIN TRANSACTIONS USING A PUF DEVICE ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: DAVIES, Jack Owen;WRIGHT, Craig Steven~ 33:GB ~31:2106721.0 ~32:12/05/2021

2023/10176 ~ Complete ~54:COMPOSITIONS OF GROWTH FACTOR FOR THE TREATMENT OF EYE DISEASE ~71:Claris Biotherapeutics, Inc., 299 Pavonia Ave 3-8, JERSEY CITY 07302, NJ, USA, United States of America ~72: ATWELL, A. Clarke;BRYLA, Piotr;ORR, Susan C.~ 33:US ~31:63/188,816 ~32:14/05/2021

2023/10160 ~ Complete ~54:TOOTHBRUSH WITH REPLACABLE BRUSH HEAD ~71:Orkla Health AS, Drammensveien 149, OSLO 0277, NORWAY, Norway ~72: ABRY, Christian;KAVANAGH, Christopher John~ 33:EP ~31:21168873.4 ~32:16/04/2021

2023/10164 ~ Complete ~54:CROSS-LINKED ZWITTERIONIC POLYMER NETWORK AND THEIR USE IN MEMBRANE FILTERS ~71:Trustees of Tufts College, Ballou Hall, MEDFORD 02155, MA, USA, United States of America ~72: ALEXIOU, Ayse Asatekin;LOUNDER, Samuel J.;MONDAL, Abhishek Narayan~ 33:US ~31:63/178,072 ~32:22/04/2021

2023/10171 ~ Complete ~54:GROWING MEDIUM ~71:Cocogreen (UK) Ltd, Floor 12 Lowry House, 17 Marble Street, MANCHESTER M2 3AW, GREATER MANCHESTER, UNITED KINGDOM, United Kingdom ~72: FERNANDO, Bomirige Sudesh Sanjeeva;OGDEN, Thomas William~ 33:GB ~31:2104724.6 ~32:01/04/2021

2023/10178 ~ Complete ~54:CHONDROITIN-PRODUCING RECOMBINANT CELL ~71:GIVAUDAN SA, Chemin de la Parfumerie 5 1214 Vernier, Switzerland ~72: DOMINIQUE LOUIS;DOMINIQUE THOMAS;KARINE JAILLARDON;MURIEL MERKAMM~ 33:EP ~31:21166740.7 ~32:01/04/2021

2023/10182 ~ Complete ~54:COMPOSITION, KIT, AND APPLICATION FOR DETECTION OF COLORECTAL CANCER ~71:BGI GENOMICS CO., LTD., Floors 7-14, Building No. 7, BGI Park, No. 21 Hongan 3rd Street, Yantian District, Shenzhen, People's Republic of China ~72: JIANG, Ruijingfang;LI, Zhilong;PENG, Jiaxi;SUN, Jianlong;WANG, Yuying;ZHENG, Jianchao;ZHU, Shida~

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

2023/10133 ~ Complete ~54:VISIBLE LIGHT PHOTOCATALYTIC DEGRADATION SEWAGE TREATMENT DEVICE ~71:YiLi Normal University, YiLi Normal University, 448 Jiefang West Road, Yining City, Xinjiang, 835000, People's Republic of China ~72: LIU, Yunqing;WANG, Tianxing~

2023/10136 ~ Complete ~54:METHODS FOR PREPARATION OF AN ANGIOTENSIN-CONVERTING ENZYME (ACE) INHIBITORY PEPTIDE DERIVED FROM SALMON SKIN ~71:Shandong Academy of Agricultural

Sciences, No. 23788, Gongye North Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Deyuan Ma;Fei Bian;Gao Chen;Hua Zhao;Jinhui Yu;Shousong Yue;Yan Zhang~ 33:CN ~31:202311240481.9 ~32:25/09/2023

2023/10142 ~ Complete ~54:STRETCHABLE PERMEABLE BARRIER SYSTEM ~71:SAFETY CARENET (PTY) LTD, 6 Keurboom Street, South Africa ~72: KARSTENS, RIAAN;SMITH, JOHAN~

2023/10143 ~ Complete ~54:TREATMENT OF AUTONOMIC DISORDERS WITH BOTULINUM TOXIN ~71:Ipsen Biopharm Limited, Unit 9 Ash Road, Wrexham Industrial Estate, WREXHAM, LL13 9UF, UNITED KINGDOM, United Kingdom ~72: KRUPP, Johannes;MAIGNEL-LUDOL, Jacquie;PIGNOL, Bernadette~ 33:EP ~31:17306840.4 ~32:20/12/2017

2023/10147 ~ Complete ~54:TEMPERATURE COMPENSATION METHOD FOR BOTDA MONITORING DATA BASED ON DIFFERENT SURROUNDING ROCK GRADES IN TUNNELS ~71:CHINA RAILWAY INVESTMENT GROUP CO., LTD., 3rd Courtyard, Automobile Museum South Road, Fengtai District, Beijing, 100160, People's Republic of China;CHINA RAILWAY TUNNEL BUREAU GROUP JILIN ENGINEERING CO., LTD., Room 701, 7F, Civic Building, (Intersection of Yan'an Road and Huxi Road) No. 1149 Yan'an Road, Chaoyang District, Changchun, Jilin, 130012, People's Republic of China;CHINA RAILWAY TUNNEL GROUP BEIJING CTG CONSTRUCTION CO., LTD., Yard 9, Guangqumenwai Street, Chaoyang District, Beijing, 100022, People's Republic of China;CHINA RAILWAY TUNNEL GROUP CO., LTD., No. 2, West Side of Gongye 4th Road, Mingzhuwan Starting Area, Nansha District, Guangzhou, Guangdong, 511458, People's Republic of China;CHINA RAILWAY TUNNEL GROUP ROAD & BRIDGE ENGINEERING CO., LTD., 86, Zhonghuan West Road, (Airport Economic Zone) Pilot Free Trade Zone, Tianjin, 300308, People's Republic of China;JILIN UNIVERSITY, 2699 Qianjin Street, Chaoyang District, Changchun, Jilin, 130012, People's Republic of China ~72: BAOCHENG LIU;GUOJIN TAN;HE SUN;HONGJIA XIAO;HUAIGANG MU;JIANDONG YAO;LIANG SUN;LING QIN;MINGSHENG CHEN;QIANJIN ZHANG;QIUYUAN LI;SHI LIU;WEI JIANG;XIANG JI;XIAO CHEN;XUEBAI ZHU;YAFENG GONG;YANG XIA;YONGLIANG MA;YONGSHENG WANG;YONGWEI QIAO;ZENGYIN XIA~ 33:CN ~31:202211387855.5 ~32:08/11/2022

2023/10158 ~ Complete ~54:ANTI-TIGIT ANTIBODIES, ANTI-CD96 ANTIBODIES, AND METHODS OF USE THEREOF ~71:Agenus, Inc., 3 Forbes Road, LEXINGTON 02421, MA, USA, United States of America ~72: BRIEND, Emmanuel Cyrille Pascal;BUSHELL, K. Mark;CAMPBELL, Spencer;CHAND, Dhan Sidhartha;IGNATOVICH, Olga;ILKOW, Veronica Franciszka;JAWAD, Zahra;MORIN, Benjamin Maxime;RAMSAY, Nicola Anne;WENSLEY, Beth~ 33:US ~31:63/201,537 ~32:04/05/2021

2023/10168 ~ Complete ~54:METHOD OF TREATING ALZHEIMER'S DISEASE ~71:AmyriAD Pharma, Inc., 444 S. Flower St., Suite 1300, LOS ANGELES 90071, CA, USA, United States of America ~72: ROGERS, Sharon L.~ 33:US ~31:63/190,299 ~32:19/05/2021;33:US ~31:63/192,398 ~32:24/05/2021;33:US ~31:63/331,011 ~32:14/04/2022

2023/10175 ~ Complete ~54:ORAL CARE FLAVOUR FOR IMPROVING INVIGORATION STATE AND METHOD OF ASSESSING ~71:Givaudan SA, Chemin de la Perfumerie 5, VERNIER CH-1214 , SWITZERLAND, Switzerland ~72: GAETA, Giuliano;MATHEWS, Imogen Maria;PARKKINEN, Salla Katja Emilia;PROVAN, Alan Forbes~ 33:GB ~31:2107716.9 ~32:28/05/2021

2023/10127 ~ Provisional ~54:GO UTILITY ~71:Essa xolo, oshabeni location, South Africa ~72: essa xolo~

2023/10131 ~ Provisional ~54:FIREARM SAFETY INNOVATION (FSI) WITH FIREARM THEFT PREVENTION ALERT (FTPA) ~71:Wayne Henry Erasmus, 195 10th Avenue, South Africa ~72: Wayne Henry Erasmus~

2023/10137 ~ Complete ~54:METHOD OF AND SYSTEM FOR ASSESSING AN ANSWER ~71:SIEBRITZ, Stantin William, Unit No. 6, Serenity Complex, Burger Street, Namibia ~72: SIEBRITZ, Stantin William~ 33:ZA ~31:2022/11901 ~32:02/11/2022

2023/10139 ~ Complete ~54:METHOD FOR EXTRACTING FREEZE-AFFECTED AREA OF WINTER WHEAT ~71:Shandong Agricultural University, 61 Daizong Street, Tai'an City, Shandong Province, 271018, People's Republic of China ~72: Yang Xiaoxia;Yi Liran;Zhang Jinghan;Zhang Ning~ 33:CN ~31:2023113038311 ~32:10/10/2023

2023/10146 ~ Complete ~54:MONITORING AND EARLY WARNING METHOD BASED ON BOTDA FOR TUNNEL OPERATION ~71:CHINA RAILWAY INVESTMENT GROUP CO., LTD., 3rd Courtyard, Automobile Museum South Road, Fengtai District, Beijing, 100160, People's Republic of China;CHINA RAILWAY TUNNEL BUREAU GROUP JILIN ENGINEERING CO., LTD., Room 701, 7F, Civic Building, (Intersection of Yan'an Road and Huxi Road) No. 1149 Yan'an Road, Chaoyang District, Changchun, Jilin, 130012, People's Republic of China;CHINA RAILWAY TUNNEL GROUP BEIJING CTG CONSTRUCTION CO., LTD., Yard 9, Guangqumenwai Street, Chaoyang District, Beijing, 100022, People's Republic of China;CHINA RAILWAY TUNNEL GROUP CO., LTD., No. 2, West Side of Gongye 4th Road, Mingzhuwan Starting Area, Nansha District, Guangzhou, Guangdong, 511458, People's Republic of China;CHINA RAILWAY TUNNEL GROUP ROAD & BRIDGE ENGINEERING CO., LTD., 86, Zhonghuan West Road, (Airport Economic Zone) Pilot Free Trade Zone, Tianjin, 300308, People's Republic of China;JILIN UNIVERSITY, 2699 Qianjin Street, Chaoyang District, Changchun, Jilin, 130012, People's Republic of China ~72: BAOCHENG LIU;FAZHU DONG;GUOJIN TAN;HE SUN;HONGJIA XIAO;JIANDONG YAO;LIANG SUN;LING QIN;MINGSHENG CHEN;QIANJIN ZHANG;QIUYUAN LI;SHI LIU;WEI JIANG;XIAOPU WANG;XIN LIU;YAFENG GONG;YAHUI WEI;YANG LI;YANG XIA;YONGWEI QIAO;ZENGYIN XIA;ZHANJIANG HE~ 33:CN ~31:202211387854.0 ~32:08/11/2022

2023/10166 ~ Complete ~54:AGE RATE RETARDING ADDITIVES FOR ASPHALT BINDERS ~71:A.L.M. Holding Company, 920 10th Avenue North, ONALASKA 54650, WI, USA, United States of America;Ergon Asphalt & Emulsions, Inc., 2829 Lakeland Drive, JACKSON 39232, MS, USA, United States of America ~72: BAUMGARDNER, Gaylon L.;HANZ, Andrew;REINKE, Gerald H.~ 33:US ~31:63/179,991 ~32:26/04/2021

2023/10173 ~ Complete ~54:ORAL CARE FLAVOUR FOR IMPROVING HAPPINESS STATE AND METHOD OF ASSESSING ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: GAETA, Giuliano;MATHEWS, Imogen Maria;PARKKINEN, Salla Katja Emilia;PROVAN, Alan Forbes~ 33:GB ~31:2107716.9 ~32:28/05/2021

2023/10180 ~ Complete ~54:IMPROVED PITCH PRODUCT, PROCESS FOR ITS PREPARATION AND USE ~71:RAIN CARBON BVBA, Vredekaai 18, 9060, Zelzate, Belgium;RAIN CARBON GERMANY GMBH, Kekuléstraße 30, 44579, Castrop-Rauxel, Germany ~72: BRAM DENOO;CHRISTOPHER KUHNT;JORIS CLAES;MICHAEL SPAHR;VINCENT VAN DE VYVERE~ 33:EP ~31:21166831.4 ~32:02/04/2021;33:RU ~31:2021109068 ~32:02/04/2021

2023/10129 ~ Provisional ~54:REGENERATOR ~71:Bruce Mongezi Faku, X1680 Wessie Street Jouberton Extension 2, South Africa ~72: Mongezi Bruce Faku~

2023/10144 ~ Complete ~54:COATING COMPOSITIONS FOR CONTAINERS AND OTHER ARTICLES AND METHODS OF COATING ~71:Valspar Sourcing, Inc., 1101 South Third Street, MINNEAPOLIS 55415, MN, USA, United States of America ~72: EVANS, Richard H.;KILLILEA, T. Howard;NIEDERST, Jeffrey;O'BRIEN, Robert M.;ROMAGNOLI, Kevin;VON MAIER, Mark S.~ 33:US ~31:61/440,085 ~32:07/02/2011;33:US ~31:61/579,072 ~32:22/12/2011

2023/10148 ~ Complete ~54:INTEGRATED SELF-LOCKING TROLLEY SYSTEM ~71:MATHE, LETLHOGONOLO, 4468 BLOCK B, South Africa ~72: MATHE, LETLHOGONOLO~

2023/10128 ~ Provisional ~54:PAPER POUCHES FOR FOOD PACKAGING ~71:LIME HUB (PTY) LTD, 1005 Vleivalk Street, Montana Park, South Africa ~72: JACOBUS FREDERICK DU PLESSIS~

2023/10134 ~ Complete ~54:RESONANCE-BASED INHERENTLY SAFE DRIVE CIRCUIT ~71:NANJING VOCATIONAL INSTITUTE OF RAILWAY TECHNOLOGY, No.65 Pearl South Road, Pukou District, Nanjing City, Jiangsu Province, 210031, People's Republic of China ~72: YANG, Jin~ 33:CN ~31:202311073422.7 ~32:24/08/2023

2023/10135 ~ Complete ~54:SCHIMA SUPERBA SEEDS COLLECTION DEVICE ~71:Forestry Reseach Institute Of Longquan County, No.558, Jianchuan Road, Longquan City, Lishui City, Zhejiang Province, People's Republic of China ~72: CHEN, Huanwei;HUANG, Siqi;JI, Jingyong;JIN, Linfang;LAI, Chao;LIU, Juetian;SHEN, Bin;WU, Guoliang;XIAO, Jijun;YE, Linyan~

2023/10145 ~ Complete ~54:BELT LIFTER ~71:THIEL DESIGN SOLUTIONS (PTY) LTD., 36 Suikerbossie Residential Estate, Sugarbush Estate, Noordheuwel, Krugersdorp, 1739, South Africa ~72: JONATHAN DAVID THIEL~ 33:ZA ~31:2022/08709 ~32:04/08/2022

2023/10126 ~ Provisional ~54:REMITTANCE AND PAYMENT SYSTEM AND METHOD ~71:FUEL CASH TRADERS & INVESTMENTS LLC, 3911 Concord Pike #8030,, United States of America ~72: COUMBIS, Ronald John~

2023/10132 ~ Complete ~54:LOGISTICS TRANSFER DEVICE ~71:ZHANG, Fan, Building 12, Shenghuayuan Community, Taishan District, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: ZHANG, Fan~

2023/10138 ~ Complete ~54:POST-EMERGENCE HERBICIDE ~71:BELVEDERE FOLIAR LLC, 80 Beach Road, Belvedere, United States of America ~72: COBB, David A.~ 33:US ~31:62/469,087 ~32:09/03/2017;33:US ~31:62/609,137 ~32:21/12/2017

2023/10140 ~ Complete ~54:SEGMENTED CONCENTRATION DETECTION DEVICE FOR GOVERNANCE OF COAL MINE GAS ~71:CCTEG CHONGQING RESEARCH INSTITUTE CO., LTD, No. 6, Kecheng Road, Jiulongpo District, Chongqing, 400039, People's Republic of China ~72: Dazhong Zhang;Enbing Yi;Guangyu Guo;Jun Shu;Longjing Wang;Qian Mu;Shiwei Wang;Shuanghui Niu;Yifan Wang;Yongjiang Zhang~

2023/10159 ~ Complete ~54:SOTORASIB FORMULATION ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: ALVAREZ-NUNEZ, Fernando Antonio;BAO, Jiemin;CHAMARTHY, Sai Prasanth;DAURIO, Dominick Paul;DUGGIRALA, Naga;HOUK, Brett E.;KIANG, Yuan-Hon;OLSOFSKY, Angela;SAWANT, Namita~ 33:US ~31:63/184,941 ~32:06/05/2021;33:US ~31:63/212,316 ~32:18/06/2021

2023/10167 ~ Complete ~54:ARTICLE FOR USE IN AN AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BAILEY, Chelsea;HOLFORD, Steven~ 33:GB ~31:2105210.5 ~32:12/04/2021

2023/10174 ~ Complete ~54:FRAGRANCE FOR IMPROVING INVIGORATION STATE AND METHOD OF ASSESSING ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: GAETA, Giuliano;GUNASEKARA, Natalie Anuradha T.D.;PROVAN, Alan Forbes~ 33:GB ~31:2107716.9 ~32:28/05/2021

2023/10151 ~ Complete ~54:ANTI-TMPRSS6 ANTIBODIES AND USES THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: CHIN, Harvey;HATSELL, Sarah J.;LOB, Heinrich Emil;MURPHY, Andrew J.;OLSON, William;SAOTOME, Kei;ZHANG, Bojie~ 33:US ~31:63/187,150 ~32:11/05/2021

2023/10154 ~ Complete ~54:CENTRIFUGAL PUMP IMPELLER WITH TAPERED SHROUD ~71:WEIR MINERALS AUSTRALIA LTD, 1 Marden Street, Australia ~72: DERN, Michael George~ 33:AU ~31:2021901940 ~32:25/06/2021

2023/10157 ~ Complete ~54:CATIONIC UV-LED RADIATION CURABLE PROTECTIVE VARNISHES FOR SECURITY DOCUMENTS ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: GARNIER, Jean;HOFSTETTER, Pierre-Yves;VEYA, Patrick~ 33:EP ~31:21166712.6 ~32:01/04/2021

2023/10169 ~ Complete ~54:COCRYSTALLINE FORMS OF A BRUTON'S TYROSINE KINASE INHIBITOR ~71:Loxo Oncology, Inc., 281 Tresser Blvd., STAMFORD 06901, CT, USA, United States of America ~72: COATES, David Andrew;HILDEN, Lori Raquel~ 33:US ~31:63/188,747 ~32:14/05/2021

2023/10183 ~ Complete ~54:WEDGING ARRANGEMENT TO PLUG A BLAST HOLE ~71:LOGANATHAN, Vinesh, 47 Astor Road, Klevehill Park, Bryanston, Johannesburg 2191, Gauteng, SOUTH AFRICA, South Africa ~72: LOGANATHAN, Vinesh~ 33:ZA ~31:2021/03117 ~32:10/05/2021

2023/10161 ~ Complete ~54:SELF-LOCKING FOLDING HOPPER AND A LOCKING METHOD THEREOF ~71:Sandvik Ltd, 2 Tullyvannon Road, Ballygawley, DUNGANNON BT70 2HW, UNITED KINGDOM, United Kingdom ~72: GRAYDON, Stuart;SMYTH, Stuart~ 33:EP ~31:21173175.7 ~32:11/05/2021

2023/10163 ~ Complete ~54:CYCLOALKYL 3-OXOPIPERAZINE CARBOXAMIDES AND CYCLOHETEROALKYL 3-OXOPIPERAZINE CARBOXAMIDES AS NAV1.8 INHIBITORS ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065-0907, NJ, USA, United States of America ~72: ARASAPPAN, Ashok;BELL, Ian M.;COX, Jason M.;KELLY, Michael, J., III;LAYTON, Mark Eric;LIU, Hong;LIU, Jian;SHAH, Akshay A.;VANHEYST, Michael D.~ 33:US ~31:63/185,637 ~32:07/05/2021;33:US ~31:63/286,691 ~32:07/12/2021

2023/10170 ~ Complete ~54:FOOD CUTTER AND METHOD OF CUTTING FOOD ~71:McCain Foods Limited, 8800 Main Street, FLORENCEVILLE-BRISTOL E7L 1B2, NEW BRUNSWICK, CANADA, Canada ~72: AIKENS, John Warren;ROGERS, David M.~ 33:US ~31:63/171,420 ~32:06/04/2021

2023/10177 ~ Complete ~54:HEPAROSAN-PRODUCING RECOMBINANT CELLS ~71:GIVAUDAN SA, Chemin de la Parfumerie 5 1214 Vernier, Switzerland ~72: DOMINIQUE LOUIS;DOMINIQUE THOMAS;KARINE JAILLARDON;MURIEL MERKAMM~ 33:EP ~31:21166744.9 ~32:01/04/2021

2023/10181 ~ Complete ~54:A SIMULATION TEST SYSTEM FOR PROJECTILE IMPACT ~71:HARBIN INSTITUTE OF TECHNOLOGY, No.92 Xidazhi St. , Nangang, Harbin, People's Republic of China ~72: FAN, Feng;YU, Yiqun;ZHANG, Rong;ZHI, Xudong~ 33:CN ~31:202310045292.X ~32:30/01/2023

. - APPLIED ON 2023/11/01 -

2023/10211 ~ Complete ~54:LIPID COMPOSITIONS COMPRISING PEPTIDE-LIPID CONJUGATES ~71:ARCTURUS THERAPEUTICS, INC., 10628 Science Center Drive, Suite 250, San Diego, California, 92121, United States of America ~72: AMIT SAGI;KUMAR RAJAPPAN;PADMANABH CHIVUKULA;PRIYA PRAKASH KARMALI;RAJESH MUKTHAVARAM;STEVEN TANIS~ 33:US ~31:63/184,584 ~32:05/05/2021

2023/10198 ~ Complete ~54:CRYSTAL FORM IV OF ORGANIC ACID SALTS OF MELANOCORTIN RECEPTOR AGONIST COMPOUND, AND PREPARATION METHOD THEREOF ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: CHUN, Seul Ah;KIM, Ji Yoon;KIM, Sung Won~ 33:KR ~31:10-2021-0059133 ~32:07/05/2021

2023/10186 ~ Complete ~54:EQUIPMENT AND METHOD FOR PRODUCING A SOIL CONDITIONER BY UTILIZING AGRICULTURAL WASTES ~71:Jiaxing Vocational & Technical College, No. 547 Tongxiang Road, Chengnan Street, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Xufeng Zhang~

2023/10189 ~ Complete ~54:NOVEL DRILLING SAMPLER ~71:Anhui University of Science and Technology, 168 Taifeng Street, Tianjiaan District, Huainan City, Anhui Province, People's Republic of China;Anhui Weipei Mining Technology Co., Ltd, 701, 7F, building A, entrepreneurship and innovation center, Taining Street, Shannan New District, Huainan City, Anhui Province, People's Republic of China;Ordos Haohua Hongqingliang Mining Co., Ltd, Bulawan Community, Shiba Getu Village, Zhaojun Town, Dalate Banner, Ordos City, Inner Mongolia Autonomous Region, People's Republic of China ~72: AN Yancheng;JING Laiwang;LI Chenglong;LIU Zhigang;MA Yaorong;XUE Weipei;ZHANG Tao;ZHAO Danfeng~

2023/10193 ~ Complete ~54:CRYSTALLINE FORM V OF MELANOCORTIN RECEPTOR AGONIST COMPOUND, AND METHOD FOR PREPARING SAME ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: CHUN, Seul Ah;HAM, Jin Ok;KIM, Ji Yoon;KIM, Sung Won;LEE, Ho Yeon;LEE, Sang Dae;PARK, Jong Won~ 33:KR ~31:10-2021-0058701 ~32:06/05/2021

2023/10196 ~ Complete ~54:SULFATE CRYSTALS OF MELANOCORTIN RECEPTOR AGONIST COMPOUND AND METHOD OF PRODUCING SAME ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: CHUN, Seul Ah;KIM, Ji Yoon;KIM, Sung Won~ 33:KR ~31:10-2021-0059132 ~32:07/05/2021

2023/10209 ~ Complete ~54:MASITINIB FOR THE TREATMENT OF CASTRATE-RESISTANT PROSTATE CANCER ~71:AB SCIENCE, 3 avenue George V, 75008, Paris, France ~72: ALAIN MOUSSY;COLIN MANSFIELD~ 33:EP ~31:21305643.5 ~32:17/05/2021

2023/10203 ~ Complete ~54:GLYCAN MODIFIED NUCLEIC ACIDS, METHODS OF PREPARATION, AND THERAPEUTIC USES ~71:Beth Israel Deaconess Medical Center, Inc., Technology Ventures Office, 330 Brookline Avenue, BR-244, BOSTON 02215, MA, USA, United States of America;GanNa Bio, Inc., 450 Kendall Street, CAMBRIDGE 02142 , MA, USA, United States of America;The Board of Trustees of the Leland Stanford Junior University, Office of the General Counsel, Building 170, 3rd Fl Main Quad, P.O. Box 20386, STANFORD 94305-2038 , CA, USA, United States of America;The Children's Medical Center Corporation, 55 Shattuck Street, BOSTON 02115 , MA, USA, United States of America ~72: BERTOZZI, Carolyn R.;BISARIA, Namita;CUMMINGS, Richard D.;FLYNN, Ryan A.;GOODMAN, Brian;LAWLOR, Ciaran;WEI, Mohui~ 33:US ~31:63/179,065 ~32:23/04/2021;33:US ~31:63/188,930 ~32:14/05/2021;33:US ~31:63/189,492 ~32:17/05/2021

2023/10206 ~ Complete ~54:DEFORMABLE CONTAINER, KIT AND PACKAGING ~71:DOMPÉ FARMACEUTICI S.P.A., Via S. Martino, 12, 20122, Milano, Italy ~72: GIUSEPPE DIONIGI (DECEASED)~ 33:IT ~31:102021000011387 ~32:07/05/2021

2023/10191 ~ Complete ~54:A YOGA CHAIR FOR PARKINSON’S DISEASE ~71:BANSODE, Amit R., ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR, MAHARASHTRA, 440010, India;DHOBLE, Sanjay J., M.SC., PH.D. PHYSICS, PROFESSOR,

DEPARTMENT OF PHYSICS, RASHTRSANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;DIVYA, Neetu, ASSISTANT PROFESSOR, CHEMICAL ENGG DEPARTMENT, DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR, PUNJAB, 144011, India;GUPTE, Shamli S., M.SC., PH.D. ZOOLOGY, DEPARTMENT OF PHYSICS, R. T. M. NAGPUR UNIVERSITY NAGPUR, MAHARASHTRA, 440033, India;RAI, Rakesh Kumar, M.SC., PH.D. PHYSICS, PROFESSOR, DEPARTMENT OF PHYSICS, UJJAIN ENGINEERING COLLEGE SANWER ROAD, UJJAIN, MADHYA PRADESH, 456010, India ~72: BANSODE, Amit R.;DHOBLE, Sanjay J.;DIVYA, Neetu;GUPTE, Shamli S.;RAI, Rakesh Kumar~

2023/10199 ~ Complete ~54:BEAMFORMED RADIO COMMUNICATION TECHNIQUE ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: ALRIKSSON, Peter;DO, Tai;LIU, Yuhang;MADHAVAN, Narendar~ 33:US ~31:63/171,484 ~32:06/04/2021

2023/10202 ~ Complete ~54:LIQUID PUMP DISPENSER INCLUDING A VIAL ADAPTER ~71:KAIRISH INNOTECH PRIVATE LTD., 72-73, 7th Floor, Plot 215, Free Press House Free Press Journal Marg, Nariman Point, Mumbai, India ~72: CHUDASMA, Krupal Ashokbhai;DADACHANJI, Rishad Kairus;PATEL, Keyurkumar Arvindbhai;POTDAR, Pratul Prakash~ 33:IN ~31:202121029684 ~32:01/07/2021

2023/10210 ~ Complete ~54:PEPTIDE-LIPID CONJUGATES ~71:ARCTURUS THERAPEUTICS, INC., 10628 Science Center Drive, Suite 250, San Diego, California, 92121, United States of America ~72: AMIT SAGI;KUMAR RAJAPPAN;PADMANABH CHIVUKULA;PRIYA PRAKASH KARMALI;RAJESH MUKTHAVARAM;STEVEN TANIS~ 33:US ~31:63/184,568 ~32:05/05/2021

2023/10195 ~ Complete ~54:METHOD FOR HANDLING DL UL TCI STATES ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: MURUGANATHAN, Siva;NILSSON, Andreas;TIDESTAV, Claes~ 33:US ~31:63/171,288 ~32:06/04/2021

2023/10200 ~ Complete ~54:INTEGRATED METHOD AND INTEGRATED SYSTEM FOR RESOURCE RECOVERY OF SOURCE-SEPARATED URINE ~71:UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING, 30 Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China ~72: AO, Xiuwei;CHENG, Shikun;FENG, Rui;LI, Zifu;LYU, Yaping;WANG, Xuemei;ZHOU, Xiaoqin~ 33:CN ~31:202310562826.6 ~32:18/05/2023

2023/10204 ~ Complete ~54:COMBINATION THERAPIES FOR THE TREATMENT OF CANCER ~71:Curis, Inc., 128 Spring Street, Building C, Suite 500, LEXINGTON 02421, MA, USA, United States of America ~72: MARTELL, Robert;MARTINEZ, Elizabeth;UGOLKOV, Andrey;VON ROEMELING, Reinhard~ 33:US ~31:63/172,593 ~32:08/04/2021

2023/10208 ~ Complete ~54:EXPANDED DOSAGE REGIMENS FOR INTEGRIN INHIBITORS ~71:PLIANT THERAPEUTICS, INC., 260 Littlefield Avenue, South San Francisco, California, 94080, United States of America ~72: ERIC LEFEBVRE;MARTIN DECARIS;SCOTT TURNER~ 33:US ~31:63/182,757 ~32:30/04/2021

2023/10207 ~ Complete ~54:SGC STIMULATORS ~71:TISENTO THERAPEUTICS INC., 245 First Street, Riverview II 18th Floor, Cambridge, Massachusetts, 02142, United States of America ~72: ARA MERMERIAN;GLEN ROBERT RENNIE;JOON JUNG;KARTHIK IYER;LEI JIA;PAUL ALLAN RENHOWE;RAJESH R IYENGAR;THOMAS WAI-HO LEE;TIMOTHY CLAUDE BARDEN~ 33:US ~31:63/177,020 ~32:20/04/2021;33:US ~31:63/229,248 ~32:04/08/2021

2023/10212 ~ Complete ~54:TIPPING PAPER WITH NANO-EMBOSSING ~71:TANNPAPIER GMBH, Fabrikstraße 48a 4050, Austria ~72: KNAUSEDER, Bernhard;LINDNER, Michael~ 33:AT ~31:A 50344/2021 ~32:04/05/2021

2023/10213 ~ Provisional ~54:EZ CAR AWNING ~71:RENE' LOMBARD, 2 FREDERICKS CLOSE HIGHBURY KUILS RIVER, South Africa ~72: RENE LOMBARD~ 33:ZA ~31:007 ~32:31/10/2023

2023/10190 ~ Complete ~54:A NOVEL K2PB8(PO4)6:DY3+, EU3+, TB3+ PHOSPHOR FOR N-UV BASED W-LEDS ~71:DHOBLE, Sanjay J., DEPARTMENT OF PHYSICS, RASHTRSANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;KOKODE, N. S., N. H. COLLEGE, BRAMHAPURI, CHANDRAPUR, MAHARASHTRA, 441206, India;MESHRAM, R. S., DEPARTMENT OF PHYSICS, N. H. COLLEGE, BRAMHAPURI, CHANDRAPUR, MAHARASHTRA, 441206, India;NANDANWAR, Chandrahasya M., DEPARTMENT OF PHYSICS, N. H. COLLEGE, BRAMHAPURI, CHANDRAPUR, MAHARASHTRA, 441206, India;PARSHURAMKAR, D. M., DEPARTMENT OF PHYSICS, N. H. COLLEGE, BRAMHAPURI, CHANDRAPUR, MAHARASHTRA, 441206, India;YERPUDE, Atul N., DEPARTMENT OF PHYSICS, N. H. COLLEGE, BRAMHAPURI, CHANDRAPUR, MAHARASHTRA, 441206, India ~72: DHOBLE, Sanjay J.;KOKODE, N. S.;MESHRAM, R. S.;NANDANWAR, Chandrahasya M.;PARSHURAMKAR, D. M.;YERPUDE, Atul N.~

2023/10194 ~ Complete ~54:CRYSTAL FORM VII OF MELANOCORTIN RECEPTOR AGONIST COMPOUND AND METHOD FOR PREPARING SAME ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: CHUN, Seul Ah;HAM, Jin Ok;KIM, Ji Yoon;KIM, Sung Won;LEE, Ho Yeon;LEE, Sang Dae;PARK, Jong Won~ 33:KR ~31:10-2021-0058702 ~32:06/05/2021

2023/10205 ~ Complete ~54:USE OF 5-NITRO-8-HYDROXYQUINOLINE ~71:ASIERIS PHARMACEUTICALS (SHANGHAI) CO., LTD., 12F, Building 56, No.1000 Jinhai Road, City Of Elite, Pudong, Shanghai 201203, People's Republic of China;JIANGSU YAHONG MEDITECH CO., LTD., D-1009, New Drug Innovation Base, No. 1, Yaocheng Avenue, CMC, Taizhou City, Jiangsu, 225316, People's Republic of China ~72: YIJUN DENG~ 33:CN ~31:202110601777.3 ~32:31/05/2021

2023/10185 ~ Provisional ~54:A SYSTEM FACILITATING REAL-TIME PAYMENTS FROM A REMOTE THIRD PARTY TO A MERCHANT FOR A PURCHASE ~71:CAMPBELL, John Peter, 4 Eagles Way, The Heads, South Africa ~72: CAMPBELL, John Peter~

2023/10188 ~ Complete ~54:A KIND OF COTTON PLANTER MULCH ROLLER WELDING ROBOT ~71:Tarim university, 705 Hongqiao South Road, Alar City, Aksu region, Xinjiang Uygur Autonomous Region, 843300, People's Republic of China ~72: Pengfei GUO;Wei CUI;Wensong GUO;Yang WANG;Yunhui BAI;Zhaobin ZHENG~

2023/10187 ~ Complete ~54:SYSTEM AND METHOD FOR IDENTIFYING DANGEROUS DRIVING BEHAVIORS BASED ON MACHINE VISION ~71:TANGSHAN UNIVERSITY, No.11 University West Road, Hi-tech Zone, Tangshan, Hebei Province, People's Republic of China ~72: XUE Yali;ZHANG Jin~

2023/10192 ~ Complete ~54:BUILDING MATERIALS ~71:DMAT S.R.L., VIA VITTORIO VENETO 31, UDINE, ITALY, Italy ~72: DI TOMMASO, Michel;SABATINI, Paolo~ 33:US ~31:63/171,770 ~32:07/04/2021

2023/10197 ~ Complete ~54:INDICATION OF HARQ-ACK CODEBOOK FOR RETRANSMISSION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HUGL, Klaus;KORHONEN, Juha, Sakari~ 33:US ~31:63/172,138 ~32:08/04/2021

2023/10201 ~ Complete ~54:FOLDABLE INFLATABLE VEHICLE ~71:PAYARD, Benoit, ROUTE DE MONTMORIN, 63160, BILLOM, France ~72: PAYARD, Benoit~ 33:FR ~31:FR2104460 ~32:29/04/2021;33:FR ~31:FR2104595 ~32:30/04/2021

. - APPLIED ON 2023/11/02 -

2023/10219 ~ Complete ~54:SILK FIBROINS/CARBON NANOFIBERS COMPOSITE AEROGEL, PREPARATION METHOD AND APPLICATION THEREOF ~71:Anhui Polytechnic University, Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: LI Wanlong;LIU Zhi;SHI Yiling;YANG Qinqin;ZHAO Jianghui~

2023/10225 ~ Complete ~54:MINERAL SEPARATION PROCESS FOR GOLD AND SILVER-BEARING POLYMETALLIC SULFIDE ~71:Central South University, No.932 South Lushan Road, Changsha, Hunan, 410083, People's Republic of China ~72: Chenyang ZHANG;Feng JIANG;Haisheng HAN;Honghu TANG;Hongliang ZHANG;Lei SUN;Runqing LIU;Shangyong LIN;Wei SUN;Weiping LIU;Xiangsong MENG;Xujian CHAI~ 33:CN ~31:2022113851105 ~32:07/11/2022

2023/10227 ~ Complete ~54:A KIND OF PREFABRICATED EPOXY RESIN CONCRETE PRESTRESSED UNDERGROUND SPACE STRUCTURAL SYSTEM ~71:Jilin Jianzhu University, No. 5088, Xincheng Street, Jingyue District, Changchun City, Jilin Province, 130118, People's Republic of China ~72: Chunfeng ZHU;Guanjie LI;Jiangning LI;Jingwei CAI;Lina XU;Qixiang WANG;Wei TIAN;Xinsheng YIN;Xinying XIE;Yi ZHU;Yongmei QIAN;Yujie JIN;Zhanqian MA;Zhengyi DONG~

2023/10230 ~ Complete ~54:A SYSTEM FOR AUTOMATIC QUESTION GENERATION FROM TEXTUAL DATA USING NATURAL LANGUAGE PROCESSING TECHNIQUES ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, Survey No. 3/4, Kondhwa (Budruk), Pune, Maharashtra, 411048, India ~72: CHAVHAN, Pranali;KULKARNI, Amrut Prasad;PATIL, Swati;RATHI, Snehal~

2023/10234 ~ Complete ~54:A HEALTH LOGGER AND MONITORING SYSTEM FOR ELECTRONIC APPLIANCES ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: CHITRE, Abhijit;DESHMUKH, Minal;HABBU, Shraddha;HIWARALE, Yashodip Jivan;J., Ketan Raut;KENDRE, Sneha;MORE, Rohit Chandrakant;PURANDARE, Radhika~

2023/10224 ~ Complete ~54:A METHOD FOR COMPREHENSIVE RECOVERY OF GOLD AND SILVER FROM LEAD-ZINC TAILINGS WITH ULTRA-LOW GOLD CONTENT ~71:Central South University, o.932 South Lushan Road, Changsha, Hunan, 410083, People's Republic of China ~72: Chenyang ZHANG;Feng JIANG;Haisheng HAN;Honghu TANG;Hongliang ZHANG;Lei SUN;Runqing LIU;Shangyong LIN;Wei SUN;Weiping LIU;Xiangsong MENG;Xujian CHAI;huang ZHOU~ 33:CN ~31:2022113851016 ~32:07/11/2022

2023/10229 ~ Complete ~54:PREPARATION METHOD FOR FLAKE POROUS SILICON STEEL GRADE MAGNESIUM OXIDE ~71:Central South University, No. 932, Lushan South Road, Changsha City, Hunan Province, 410083, People's Republic of China ~72: Junfeng CHENG;Qianqiu TIAN;Wei SUN;Weiping LIU~ 33:CN ~31:2022113848441 ~32:07/11/2022

2023/10244 ~ Complete ~54:OREXIN RECEPTOR AGONISTS AND USES THEREOF ~71:Jazz Pharmaceuticals Ireland Limited, Waterloo Exchange, Waterloo Road, DUBLIN 4, IRELAND, Ireland ~72: BEATO, Claudia;CHOVATIA, Prafulkumar;MARINELLI, Davide;OUVRY, Gilles~ 33:US ~31:63/183,321 ~32:03/05/2021

2023/10248 ~ Complete ~54:AN ELECTRIC LOAD NETWORK AND METHOD FOR ADJUSTING AN OPERATION FREQUENCY OF AN ELECTRICITY GRID IN REAL TIME ~71:FIRMUS TECHNOLOGIES PTY LTD, Ground Floor, 47 Dover Street, Australia ~72: LEVEE, Jonathan~ 33:AU ~31:2021901293 ~32:30/04/2021

2023/10242 ~ Complete ~54:ALLOSTERIC CHROMENONE INHIBITORS OF PHOSPHOINOSITIDE 3-KINASE (PI3K) FOR THE TREATMENT OF DISEASE ~71:Petra Pharma Corporation, 450 E 29th Street, Suite 506, NEW YORK 10016, NY, USA, United States of America ~72: ANDERSON, Erin Danielle;ARONOW, Sean

Douglas;BOYLES, Nicholas A.;CHEN, Xiaohong;DAWADI, Surendra;HICKEY, Eugene R.;IRVIN, Thomas Combs;KESICKI, Edward A.;KNIGHT, Jennifer Lynn;KOLAKOWSKI, Gabrielle R.;KUMAR, Manoj;LONG, Katelyn Frances;MAYNE, Christopher Glenn;PICADO, Alfredo;POTOTSCHNIG, Gerit Maria;WANG, Hua-Yu;WELCH, Michael Brian;WIDJAJA, Tien;WRIGHT, Nathan Edward~ 33:US ~31:63/183,355 ~32:03/05/2021;33:US ~31:63/227,526 ~32:30/07/2021;33:US ~31:63/250,530 ~32:30/09/2021;33:US ~31:63/253,232 ~32:07/10/2021

2023/10247 ~ Complete ~54:ANTI IL-1 RECEPTOR ACCESSORY PROTEIN ANTIBODIES ~71:LEO PHARMA A/S, Industriparken 55 2750 Ballerup, Denmark ~72: BIRGITTE URSØ;CHRISTOPH ERKEL;HEIDI WESTH BAGGER;PAOLA LOVATO;PETRA NUSSBAUMER;SIMON SCHUSTER;WASEEM SAJID~ 33:EP ~31:21175216.7 ~32:21/05/2021;33:EP ~31:21192805.6 ~32:24/08/2021

2023/10222 ~ Complete ~54:A PROCESS FOR THE SYNTHESIS OF YELLOW EMITTING EU3+ ACTIVATED K2CA(PO4)3F PHOSPHOR FOR MOSQUITO REPELLENT LAMP ~71:BISHNOI, Swati, DEPARTMENT OF CHEMICAL ENGINEERING I.I.T. DELHI, IIT DELHI ROAD, IIT CAMPUS, HAUZ, KHAS, NEW DELHI, 110016, India;DHOBLE, Sanjay J., DEPARTMENT OF PHYSICS, RASHTRSANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;MULEY, Aarati, SIES COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS), SION (WEST), MUMBAI, MAHARASHTRA, India;PARAUHA, Yatish R., DEPARTMENT OF PHYSICS, R.T.M. NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;PAWAR, Sagar S., DEPARTMENT OF PHYSICS, R.T.M. NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India ~72: BISHNOI, Swati;DHOBLE, Sanjay J.;MULEY, Aarati;PARAUHA, Yatish R.;PAWAR, Sagar S.~

2023/10236 ~ Complete ~54:WIND-POWERED ENERGY GENERATION SYSTEM FOR MULTI-HULL MARINE VESSELS ~71:CURCIO, Mario, Feldhohe 54, 6280, Hochdorf, Switzerland ~72: CURCIO, Mario~ 33:EP ~31:21020232.1 ~32:24/04/2021

2023/10243 ~ Complete ~54:BIPOLAR PLATE FOR A FUEL CELL STACK OR AN ELECTROLYZER STACK ~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: ANDRÉ, Johan;SIRAC, Denis~ 33:FR ~31:2103580 ~32:08/04/2021

2023/10241 ~ Complete ~54:BACTERIAL STRAINS HAVING FUNGICIDAL ACTIVITY, COMPOSITIONS COMPRISING SAME AND USE THEREOF ~71:LAVIE BIO LTD., 13 Gad Feinstein Street, Israel ~72: BERCOVITZ, Amir;IONESCU, Michael;KIMELMAN, Hadar;KUZNETS, Galit;MOVTCHAN, Anna;VITERBO FAINZILBER, Ada~ 33:US ~31:63/184,791 ~32:06/05/2021

2023/10233 ~ Complete ~54:A CLOUD BASED HELMET DETECTION SYSTEM FOR RIDERS ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: CHAUDHARI, Satyen;CHAVAN, Rohini A.;NAVGHANE, Ashwini P.;RAUT, Ketan J.~

2023/10238 ~ Complete ~54:EXTENDED, HIGH DOSE VEGF ANTAGONIST REGIMENS FOR TREATMENT OF ANGIOGENIC EYE DISORDERS ~71:BAYER HEALTHCARE LLC, 100 Bayer Boulevard, Whippany, United States of America;REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: ASMUS, Friedrich;BERLINER, Alyson J;CHU, Karen;DA SILVA LEAL, Sergio Casimiro;EISSING, Thomas;RITTENHOUSE, Kay D.;VITTI, Robert, L.~ 33:US ~31:63/189,541 ~32:17/05/2021;33:US ~31:63/235,398 ~32:20/08/2021;33:US ~31:63/297,420 ~32:07/01/2022;33:US ~31:63/306,315 ~32:03/02/2022

2023/10214 ~ Provisional ~54:PROTECTIVE MATERIAL AND PRODUCT MADE THEREFROM ~71:DE HARDE, Barend Hendrik, 123 Road No. 3, Victory Park, South Africa ~72: DE HARDE, Barend Hendrik~

2023/10215 ~ Provisional ~54:HELMET ~71:DE HARDE, Barend Hendrik, 123 Road No. 3, Victory Park, South Africa ~72: DE HARDE, Barend Hendrik~

2023/10220 ~ Complete ~54:AGRICULTURAL MACHINERY UNMANNED NAVIGATION SYSTEM BASED ON FARMLAND ENVIRONMENT PERCEPTION ~71:JILIN AGRICULTURAL UNIVERSITY, 2888 Xincheng Street, Nanguan District, Changchun City, Jilin Province, 130118, People's Republic of China ~72: MA Yunhai;REN Lili;SONG Wei;WANG Jingli;WANG Liyan~

2023/10223 ~ Complete ~54:A SYSTEM TO REDUCE ACCIDENTS ON THE HIGHWAY ~71:CHAUDHARI, Priyal S., DEPARTMENT OF PHYSICS, R. T. M. NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;DHOBLE, Sanjay J., DEPARTMENT OF PHYSICS, R. T. M. NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India ~72: CHAUDHARI, Priyal S.;DHOBLE, Sanjay J.~

2023/10226 ~ Complete ~54:AN ENVIRONMENTALLY FRIENDLY PRECIOUS METAL FLOTATION COLLECTOR AGENT AND APPLICATION ~71:Central South University, No.932 South Lushan Road, Changsha, Hunan, 410083, People's Republic of China ~72: Feng JIANG;Haisheng HAN;Honghu TANG;Hongliang ZHANG;Lei SUN;Runqing LIU;Shangyong LIN;Wei SUN;Weiping LIU;Xiangsong MENG;Xujian CHAI~ 33:CN ~31:2022113857972 ~32:07/11/2022

2023/10228 ~ Complete ~54:FAST RECONSTRUCTION METHOD OF TRANSMISSION CORRIDOR BASED ON MULTI-SOURCE DATA AND FLYING DUAL-MODE ROBOT ~71:Shihezi University, Fourth North Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832000, People's Republic of China ~72: Bo LI;Dexin WANG;Huidong LI;Jie SONG;Jie ZHANG;Jin LEI;Tianming FENG;Xinyan QIN;Yanqi WANG;Yujie ZENG;Zhaojun LI~

2023/10239 ~ Complete ~54:BISPECIFIC IL-2- AND ANTI-PD-1-BASED THERAPEUTICS AND METHODS OF USE THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BLOCH, Nicolin;DAVIS, Samuel;LIN, Chia-Yang;SMITH, Eric;ULLMAN, Erica;WU, Jiaxi;ZHANG, Tong~ 33:US ~31:63/210,111 ~32:14/06/2021;33:US ~31:63/365,375 ~32:26/05/2022

2023/10245 ~ Complete ~54:NOBLE METAL EXTRACTION METHOD AND APPARATUS ~71:Phoenix Tailings Inc., 8B Henshaw Street, WOBURN 01801, MA, USA, United States of America ~72: VILLALON, Jr., Thomas Anthony~ 33:US ~31:63/183,163 ~32:03/05/2021

2023/10217 ~ Provisional ~54:SMART RADIO CLOCK BUILT-IN AI VOICE WITH CALL AND MESSAGE NOTIFICATION AND MAKE CALLS AFTER IT IS CONNECTED TO THE PHONE AND BUILT-IN PROJECTOR ~71:AHMED WASEEF SAIB, 24 Park Avenue, Desainagar, South Africa ~72: AHMED WASEEF SAIB~

2023/10221 ~ Complete ~54:A COMPACT ULTRASONOGRAPHY DEVICE FOR DETECTING AND MEASURING VISCERAL BODY FLUID ~71:DHOBLE, Sanjay J., DEPARTMENT OF PHYSICS, RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;NISARGANDHA, Milind A., DEPARTMENT OF PHYSIOLOGY, SAVEETHA MEDICAL COLLEGE AND HOSPITAL, SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES, SAVEETHA UNIVERSITY, CHENNAI, TAMIL NADU, 602105, India;PARWE, Shweta D., DEPARTMENT OF PANCHAKARMA, MAHATMA GANDHI AYURVED COLLEGE, HOSPITAL & RESEARCH CENTRE, SALOD (H), WARDHA, DATTA MEGHE INSTITUTE OF HIGHER EDUCATION & RESEARCH (DMIHER), WARDHA, MAHARASHTRA, India;PARWE, Swapnil D., PARWE NURSING HOME, SINDKHED RAJA, MAHARASHTRA, 443203, India;SHINDE, Prashant Kumar, DEPARTMENT OF PHYSICS, RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR,

MAHARASHTRA, 440033, India ~72: DHOBLE, Sanjay J.;NISARGANDHA, Milind A.;PARWE, Shweta D.;PARWE, Swapnil D.;SHINDE, Prashant Kumar~

2023/10235 ~ Complete ~54:AN ARTIFICIAL INTELLIGENCE BASED SMART HELMET ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: CHAVAN, Mukta Madhukar;DESHPANDE, Payal Shrikrushna;MANDALIK, Akshay Haribhau;MENGAL, Sanket Namdeo;MIRAJKAR, Riddhi Rajendra;SHELKE, Priya Makarand;SHINDE, Gitanjali Rahul~

2023/10249 ~ Complete ~54:A TANK FOR HEAT DISSIPATION AND A COOLING SYSTEM INCLUDING THE SAME ~71:FIRMUS METAL TECHNOLOGIES SINGAPORE PTE LTD, 105 Cecil Street, #18-88, Singapore ~72: BULLS, Andrew;CURTIS, Oliver;KERR, Hamish;LEVEE, Jonathan~ 33:AU ~31:2021901373 ~32:07/05/2021

2023/10252 ~ Complete ~54:IMPROVED PROSTATE-SPECIFIC MEMBRANE ANTIGEN TARGETING RADIOPHARMACEUTICALS AND USES THEREOF ~71:TELIX PHARMACEUTICALS (INNOVATIONS) PTY LTD, Suite 226 55 Flemington Road North, Australia ~72: CARDINALE, Jens;GIESEL, Frederik;HABERKORN, Uwe;KRATOCHWIL, Clemens~ 33:EP ~31:21176899.9 ~32:31/05/2021

2023/10254 ~ Provisional ~54:DOUBLE SIDED "VARY" DISPLAY SIGNBOARD HOLDER ~71:MARIUS COMBRINK, 20 GHWARRIE CRESCENT, VERMONT HERMANUS, South Africa ~72: MARIUS COMBRINK~

2023/10237 ~ Complete ~54:TRIAZOLO-PYRIMIDINE ANALOGUES FOR TREATING DISEASES CONNECTED TO THE INHIBITON OF WERNER SYNDROME RECQ HELICASE (WRN) ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: BORDAS, Vincent;BRUN, Jvan;DECKER, Andrea;FUREGATI, Markus;GOGNIAT, Geoffrey;GONG, Wanben;HAMON, Jacques;HINRICHS, Juergen Hans-Hermann;HOLZER, Philipp;LIMAM, Fatma;MOEBITZ, Henrik;NOCITO, Sandro;PLATTNER, Simone;SCHMIEDEBERG, Niko;SCHOEPFER, Joseph;SOTO, Jessica;STRANG, Ross;YAO, Shuping;YU, Huangchao;ZECRI, Frédéric;ZHANG, Sisi~ 33:CN ~31:PCT/CN2021/096104 ~32:26/05/2021;33:CN ~31:PCT/CN2022/085537 ~32:07/04/2022

2023/10231 ~ Complete ~54:A PET RESISTANT KEYBOARD ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, Survey No. 3/4, Kondhwa (Budruk), Pune, Maharashtra, 411048, India ~72: INGLE, Yashwant;MAHALLE, Parikshit;MALI, Adhiraj Sachidanand;MALI, Atharva Sachidanand~

2023/10216 ~ Provisional ~54:LAMINATED LIGHTWEIGHT CONCRETE WALLING PANEL ~71:Victor Paul Bouguenon, 14 Turley Road, Lonehill, Sandton, Gauteng, 2062, South Africa ~72: Victor Paul Bouguenon~

2023/10218 ~ Complete ~54:ARTIFICIAL BREEDING METHOD OF LUCIOBARBUS CAPITO IN POND CULTURE ~71:HEILONGJIANG RIVER FISHERIES RESEARCH INSTITUTE OF CHINESE ACADEMY OF FISHERY SCIENCES, 43 Songfa Street, Daoli District, Harbin, Heilongjiang, 150070, People's Republic of China ~72: GENG, Longwu;SHANG, Xinchi;WEI, Haijun;XU, Wei~

2023/10250 ~ Complete ~54:SYSTEMS AND METHODS FOR SCHEDULING INFORMATION RETRIEVAL ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: ATLIN, Michael;GLENDINNING, Torrey;LEI, Judy;MUSTATEA, Lucian;PALUMBO, Justin;SMITH, Patrick~ 33:AU ~31:2021901020 ~32:08/04/2021

2023/10251 ~ Complete ~54:VANADIUM RECOVERY ~71:AUSTRALIAN VANADIUM LIMITED, Level 1, 85 Havelock Street, Australia ~72: LAM, Sai Wei;MCNAB, Brian Alexander;RICHARDSON, Todd~ 33:AU ~31:2021901042 ~32:09/04/2021

2023/10253 ~ Complete ~54:INCUBATOR TRAY AND A METHOD OF INCUBATING ~71:OVO INCUBATORS (PTY) LTD, 105 Oxford Road, Saxonwold, 2196, Johannesburg, Gauteng, South Africa ~72: BOOTSMA, Rean;FARSCHI, Amir~ 33:ZA ~31:2021/03448 ~32:21/05/2021

2023/10232 ~ Complete ~54:A SMART HIERARCHICAL ANNOTATOR SYSTEM FOR CLASSIFYING RESEARCH PAPERS AND ABSTRACTS ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: BEWOOR, Laxmi Anand;GAIKWAD, Vidya Shrimant;THITE, Gandharva Dattaprasad~

2023/10240 ~ Complete ~54:ENERGY RECOVERY SYSTEM FOR MARINE VESSELS ~71:CURCIO, Mario, Feldhohe 54, 6280, Hochdorf, Switzerland ~72: CURCIO, Mario~ 33:EP ~31:21020199.2 ~32:10/04/2021

2023/10246 ~ Complete ~54:HEAT EXCHANGE REACTOR FOR CO2 SHIFT ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: KIM AASBERG-PETERSEN;PETER MØLGAARD MORTENSEN~ 33:EP ~31:21177658.8 ~32:03/06/2021

. - APPLIED ON 2023/11/03 -

2023/10260 ~ Complete ~54:OPTIMIZED KNN CLUSTERING METHOD BASED ON A WEIGHTED COSINE SIMILARITY DISTANCE FOR DETERMINING COMPLEX LITHOLOGY OF LOW-PERMEABILITY SANDSTONE ~71:Xinjiang University, No. 666, Shengli Road, Tianshan District, Urumqi City, Xinjiang, 830046, People's Republic of China ~72: LI, Xin;TIAN, Feng;WANG, Di;WANG, Xidong;XU, Han~

2023/10262 ~ Complete ~54:A THERMAL MANAGEMENT SYSTEM FOR SWITCH MODE POWER SUPPLY BOARD ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: BAGEWADI, Atharva;DHUMAL, Amol;KATRE, Yash;KULKARNI, Atul;MAHALE, Tanmay;PAGRUT, Ashwini;SHIRKE, Samruddhi;SRIVASTAVA, Pratik~

2023/10274 ~ Complete ~54:REINFORCEMENT STRUCTURE OF REINFORCED CONCRETE SHEAR WALL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Yilin;CHENG Meiying;DING Bo;GAO Shiwei;LI Ying;LIU Tianxing;MA Yabing;Peng Lansi;QIU Feng;SONG Shuaiqi;TANG Xuepiao;WANG Mingming;WANG Xin;WANG Yi;YOU Peibo;YUAN Shuwei;ZHANG Xiting;ZHAO Chan;ZHAO Lele;ZHU Yubin~ 33:CN ~31:2023107242034 ~32:19/06/2023

2023/10280 ~ Complete ~54:ANTIBODY-DRUG CONJUGATES COMPRISING HUMANIZED ANTIBODIES TARGETING UROKINASE TYPE PLASMINOGEN ACTIVATOR RECEPTOR ASSOCIATED PROTEIN (UPARAP) ~71:RIGSHOSPITALET, Blegdamsvej 9, Denmark;UNIVERSITY OF COPENHAGEN, Nørregade 10, Denmark ~72: BEHRENDT, Niels;ENGELHOLM, Lars Henning;NIELSEN, Christoffer~ 33:EP ~31:21182271.3 ~32:29/06/2021

2023/10281 ~ Complete ~54:TRIAZINE DERIVATIVE AS REVERSIBLE AND IRREVERSIBLE COVALENT INHIBITORS OF PI3K ~71:UNIVERSITÄT BASEL, Petersgraben 35, Switzerland ~72: BORSARI, Chiara;WYMANN, Matthias~ 33:EP ~31:21167750.5 ~32:09/04/2021;33:EP ~31:21198539.5 ~32:23/09/2021

2023/10297 ~ Complete ~54:METHOD FOR CARRYING OUT A CHEMICAL REACTION AND REACTOR ARRANGEMENT ~71:BASF SE, Carl-Bosch-Str. 38 67056, Germany;LINDE GMBH, Dr.-Carl-von-Linde-Straße 6-14 82049, Germany;SABIC GLOBAL TECHNOLOGIES B.V., Plasticslaan 1 4612 PX Bergen op, Netherlands ~72: BROEKHUIS, Robert R.;DR. HAUNERT, Andrea;HOFSTÄTTER, Martin;JENNE, Eric;KOCHENDOERFER, Kiara Aenne;SHUSTOV, Andrey;STEVENSON, Scott A.;WARD, Andrew M.;ZELLHUBER, Mathieu~ 33:EP ~31:21167191.2 ~32:07/04/2021

2023/10290 ~ Complete ~54:METHOD OF MANUFACTURING A TWO COMPONENT SEALING GASKET FOR PLASTIC PIPE ~71:S & B TECHNICAL PRODUCTS, INC., 1300 East Berry Street, United States of America ~72: PACHECO, Rodney;WEIH, Mark, A.~ 33:US ~31:63/201,186 ~32:16/04/2021;33:US ~31:17/712,383 ~32:04/04/2022

2023/10295 ~ Complete ~54:USE OF HER2-TARGETING ANTIBODY-DRUG CONJUGATE IN TREATMENT OF HER2-LOW EXPRESSING BREAST CANCER ~71:REMEGEN CO., LTD., No. 58 Beijing Middle Road, Yantai Development Zone Yantai District, China (Shandong) Pilot Free Trade Zone Yantai, Shandong 264006, People's Republic of China ~72: JIANMIN FANG;XIAOHONG SU~ 33:CN ~31:202110565350.2 ~32:24/05/2021

2023/10279 ~ Complete ~54:MULTI-MODE CONVERTIBLE VEHICLE ~71:THIUS CANADA INC., 318 Dunlin Ridge, Nepean,, Canada ~72: IENZI, Christoforo;IENZI, Maurizio;JOSHI, Abhishek;ROCHA, Bruno~ 33:US ~31:63/172,111 ~32:08/04/2021

2023/10285 ~ Complete ~54:METHODS AND COMPOSITIONS FOR THE SEQUESTRATION OF CARBON DIOXIDE ~71:Carbonfree Chemicals Holdings, LLC, 102 9th Street, Suite 150, SAN ANTONIO 78215, TX, USA, United States of America ~72: JONES, Joe~ 33:US ~31:63/174,977 ~32:14/04/2021

2023/10255 ~ Provisional ~54:PLASTIC GABION BASKETS ~71:Donald William Fraser, 27 Van Breda Street, South Africa ~72: Donald William Fraser~

2023/10256 ~ Provisional ~54:CARGUARD POS SYSTEM AND REWARDS PAYMENT APP ~71:Delile Ndumo, 505 West Avenue, South Africa ~72: Delile Ndumo~ 33:ZA ~31:20230919-001 ~32:19/09/2023

2023/10258 ~ Provisional ~54:MINE SUPPORT STRUCTURE ~71:SPIROTECH MINING SERVICES (PTY) LTD., Unit B Zante Park, 237 Luipaard Street, Boltonia, Krugersdorp, 1739, South Africa ~72: DEANE CONOR O'HAUGHEY~

2023/10265 ~ Complete ~54:AN AUDIO CAPTCHA SYSTEM FOR VISUALLY IMPAIRED PEOPLE ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, Survey No. 3/4, Kondhwa (Budruk), Pune, Maharashtra, 411048, India ~72: BHANDARI, Mahesh;BHOITE, Sonali;BIRARE, Komal;FUTANE, Pravin;KODMELWAR, Manohar;MOKASHI, Mandar;PATHAK, Kishor;PATIL, Swati;SHELKE, Ganesh;SHEWALE, Chaitali;WANKHADE, Shalini~

2023/10266 ~ Complete ~54:A LOCATION BASED ATTENDANCE MARKING SYSTEM WITH FINGERPRINT AUTHENTICATION ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: INGLE, Yashwant Sudhakar;MAHALLE, Parikshit Narendra;SHINDE, Gitanjali Rahul~

2023/10269 ~ Complete ~54:TEACHING DISPLAY DEVICE FOR HUMAN ANATOMY AND PHYSIOLOGY MODEL ~71:Xinyu University, 2666 Sunshine Avenue, High tech Development Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Cai Lin;Jiang Hanbing~ 33:CN ~31:202311318519X ~32:12/10/2023

2023/10270 ~ Complete ~54:LOGISTICS DISPATCHING DEVICE ~71:MA, Donglin, Caihong Xinyuan, No. 7, Baifeng Road, Taishan District, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: MA, Donglin~

2023/10271 ~ Complete ~54:RICINUS COMMUNIS L. PIP5K11 GENE AND APPLICATION THEREOF ~71:Inner Mongolia Minzu University, No. 536 West Huolinhe Street, Horqin District, Tongliao City, Inner Mongolia Autonomous Region, 028000, People's Republic of China ~72: Chao WANG;Cheng WANG;Chunguang

BAO;Fenglan HUANG;Guorui LI;Huayang ZHAO;Huibo ZHAO;Jianjun DI;Jinglong ZHANG;Mingda YIN;Mingjing LI;Mu PENG;Qi WEN;Ruhui CHANG;Rui LUO;Ruxin LI;Shuyan XU;Wenyu HAN;Xiaohui GU;Xiaotian LIANG;Xuemei HU;Yanpeng WEN;Yong ZHAO;Zhibiao HE;Zhimin SU;Zhiyan WANG~ 33:CN ~31:2023104644863 ~32:27/04/2023

2023/10277 ~ Complete ~54:METHODS FOR CHARACTERIZING PROTEIN COMPLEXES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591-6706, United States of America ~72: ERICA PYLES;MICHAEL ROSCONI;NINA LIU~ 33:US ~31:62/724,700 ~32:30/08/2018

2023/10288 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AS TRIGGERING RECEPTOR EXPRESSED ON MYELOID CELLS 2 AGONISTS AND METHODS OF USE ~71:Vigil Neuroscience, Inc., One Broadway Suite 07-300, CAMBRIDGE 02142, MA, USA, United States of America ~72: BOS, Maxence;FRANZONI, Ivan;HOUZE, Jonathan B.;KAPLAN, Alan;MANCUSO, John;PANDYA, Bhaumik~ 33:US ~31:63/201,531 ~32:04/05/2021;33:US ~31:63/263,811 ~32:09/11/2021

2023/10291 ~ Complete ~54:AUTOMATED DEVICE FOR CONTROLLED FEEDING OF SUBSTANCES TO ANIMAL CONTAINMENT RECIPIENTS, RELATED SYSTEM AND METHOD ~71:FUNDAÇÃO D. ANNA DE SOMMER CHAMPALIMAUD E DR. CARLOS MONTEZ CHAMPALIMAUD - CENTRO DE INVESTIGAÇÃO DA FUNDAÇÃO CHAMPALIMAUD, CENTRO DE INVESTIGAÇÃO DA FUNDAÇÃO CHAMPALIMAUD, AVENIDA BRASILIA 1400-038, Portugal;IDMIND - ENGENHARIA DE SISTEMAS, LDA, Polo Tecnologico de Lisboa, Lt 1, 1600-546, Portugal ~72: CAETANO CERTAL AFONSO, Ana Catarina;FERNANDES DA SILVA MARQUES, Carlos Alberto;FREIRE DE CASTIÇO MONTEIRO, Joana;GASPAR LOPES, Joana;GONÇALVES ALVITO, Paulo Jorge;RIBEIRO DE SOUSA, Almor Ricardo~ 33:PT ~31:117161 ~32:06/04/2021

2023/10296 ~ Complete ~54:PACKAGING MATERIAL HAVING ANTI-MICROBIAL PROPERTIES ~71:SOREMARTEC S.A., 16 Route de Trèves, Senningerberg, 2633, Luxembourg ~72: EMMA-ROSE JANECEK;IGOR ROMANO~ 33:LU ~31:500140 ~32:07/05/2021

2023/10284 ~ Complete ~54:SOLVENT FOR INSECT REPELLENT ACTIVE INGREDIENT AND INSECT REPELLENT SYSTEM USING SAME ~71:Thermacell Repellents, Inc., 26 Crosby Drive, BEDFORD 01730, MA, USA, United States of America ~72: BOLZ, Nicholas;BRADBURY, Stephen;HAINZE, John~ 33:US ~31:63/171,316 ~32:06/04/2021

2023/10292 ~ Complete ~54:ANTI-CLDN4/ANTI-CD137 BISPECIFIC ANTIBODY ~71:ASTELLAS PHARMA INC., 5-1, Nihonbashi-Honcho 2-chome, Chuo-ku, Tokyo, 1038411, Japan;NATIONAL CANCER CENTER, 1-1, Tsukiji 5-chome, Chuo-ku, Tokyo, 1040045, Japan ~72: FUMIKO CHIWAKI;HIROKI SASAKI;HIROKI SHIRAI;KAZUNORI HIRAYAMA;MASATOSHI YURI;MASAYUKI KOMATSU;SHIGENORI YAGI;YOSHIKI SATAKE;YOSHIYUKI TENDA~ 33:JP ~31:2021-072429 ~32:22/04/2021

2023/10294 ~ Complete ~54:USE OF ANTIBODY-DRUG CONJUGATE IN COMBINATION WITH IMMUNE CHECKPOINT INHIBITOR IN TREATMENT OF UROTHELIAL CANCER ~71:REMEGEN CO., LTD., No. 58 Beijing Middle Road, Yantai Development Zone Yantai District, China (Shandong) Pilot Free Trade Zone Yantai, Shandong 264006, People's Republic of China ~72: JIANMIN FANG;JING JIANG;SHENJUN LI;XIAOHONG SU~ 33:CN ~31:202110559728.8 ~32:21/05/2021

2023/10261 ~ Complete ~54:A LUMINE SERVER DRIVEN USER INTERFACE LIBRARY ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: BHIMANPALLEWAR, Ratnamala Nivrutti;KALPANDE, Tanmayee;KAWADE, Shantanu Dilipkumar;KOTHADI, Siddhesh Sanjay;SAHU, Mayank Rajesh;WAWAGE, Pawan Subhash~

2023/10267 ~ Complete ~54:A PORTABLE DEVICE FOR VIRTUAL ACOUSTIC TESTING OF MATERIALS ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: GORE, Vedant Dattatray;JAWALE, Pradeep;MACHE, Ashok R.;MAHALLE, Parikshit~

2023/10272 ~ Complete ~54:A DIGGING STIRRING AND STABILIZER INJECTING DEVICE FOR IN-SITU REMEDIATING DEEP CONTAMINATED SOIL ~71:University of Science and Technology Beijing, 30 Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China ~72: Jia LI;Pingfeng FU;Siqi ZHANG;Wei DENG;Wen NI;Yuliang ZHANG~

2023/10282 ~ Complete ~54:PYRIDINYL SUBSTITUTED OXOISOINDOLINE COMPOUNDS ~71:Bristol-Myers Squibb Company, Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: BALOG, James Aaron;CHEN, Yan;HUANG, Audris;KUMI, Godwin Kwame;NAIR, Satheesh Kesavan;PENMETSA, Suresh Babu Vishwa Krishna;SHIMPUKADE, Bharat Dinkar~ 33:IN ~31:202111016193 ~32:06/04/2021;33:IN ~31:202111022098 ~32:17/05/2021

2023/10283 ~ Complete ~54:BMA031 ANTIGEN BINDING POLYPEPTIDES ~71:Immatics Biotechnologies GmbH, Paul-Ehrlich-Str. 15, TÜBINGEN 72076, GERMANY, Germany ~72: BUNK, Sebastian;HOFMANN, Martin;UNVERDORBEN, Felix~ 33:EP ~31:21172352.3 ~32:05/05/2021;33:US ~31:63/184,698 ~32:05/05/2021

2023/10259 ~ Provisional ~54:PRODUCTION OF COMPOSITIONS COMPRISING CANNABINOIDS, TERPENES, AND/OR CANNABIMIMETIC COMPOUNDS ~71:BOON HEALTH PTY LTD, Lot 44 Irene Road, Windsor on Sea, Shelly Beach, 4265, Kwa-Zulu Natal, SOUTH AFRICA, South Africa ~72: De Jong, Gertruida Elizabeth~

2023/10263 ~ Complete ~54:AN EDUCATIONAL AUGMENTED REALITY APPLICATION FOR ENHANCING CLASSROOM LEARNING ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, Survey No. 3/4, Kondhwa (Budruk), Pune, Maharashtra, 411048, India ~72: BUTALA, Om;KURHADE, Anirudha;LONARI, Gaurav;MEHTA, Pradnya;RATHI, Snehal;SONAVANE, Jidnyasa~

2023/10264 ~ Complete ~54:AN ARTIFICIAL INTELLIGENCE BASED HEALTH AWARENESS SYSTEM FOR WOMEN ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: BEWOOR, Laxmi A.;DESHPANDE, Leena Amit;PANCHARIYA, Anjali Dhanraj;PATIL, Sakshi Sushil;REGE, Pallavi R.;SANTOSHI, S.;WANI, Vaishnavi Vipin~

2023/10268 ~ Complete ~54:A NURTURANCE APPLICATION FOR PERSONS WITH DISABILITIES ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, Survey No. 3/4, Kondhwa (Budruk), Pune, Maharashtra, 411048, India ~72: GHULE, Gauri Vaijukumar;HABBU, Shraddha Kiran;HAJARE, Gaurav Pavan;JADHAV, Mrunali Suresh;MALI, Parikshit Surendra~

2023/10273 ~ Complete ~54:ALL-TERRAIN SURFACE CONTAMINATED SOIL IN-SITU REMEDIATION APPARATUS ~71:University of Science and Technology Beijing, No. 30 Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China ~72: Jia LI;Pingfeng FU;Siqi ZHANG;Wei DENG;Wen NI;Yuliang ZHANG~

2023/10275 ~ Complete ~54:A BIOMASS CARBON ENVIRONMENT-FRIENDLY SLOW-RELEASE ANTI-FREEZING MATERIAL AND A PREPARATION METHOD THEREOF ~71:Southwest Forestry University, Southwest Forestry University, No. 300, Bailongsi County, Panlong District, Kunming City, Yunnan Province, 650000, People's Republic of China ~72: Cheng Cheng;Kai Yang;Tinghe Li;Xi Ma;Xiaokun Zheng~

2023/10278 ~ Complete ~54:ORAL AQUEOUS SUSPENSION FORMULATIONS COMPRISING CARBAMATE COMPOUND ~71:SK BIOPHARMACEUTICALS CO., LTD., 221, Pangyoyeok-ro, Bundang-gu, Republic of Korea ~72: BOMMANA, Murali M;MAXWELL, Jejuan;NOH, Regina H.;PEGAN, Augustin;PENDSE, Pravada;WEBB, Travis John~ 33:US ~31:63/194,276 ~32:28/05/2021

2023/10293 ~ Complete ~54:BEVERAGE PREPARATION MACHINE HAVING A SET-DOWN ELEMENT FOR POSITIONING DIFFERENT VESSELS FOR RECEIVING A BEVERAGE ~71:TCHIBO GMBH, Überseering 18, 22297, Hamburg, Germany ~72: ALEXANDER ERDWIENS;MICHA DANIELS~ 33:EP ~31:21172377.0 ~32:06/05/2021

2023/10286 ~ Complete ~54:2-FLUOROALKYL-1,3,4-OXADIAZOL-5-YL-THIAZOL, HDAC6 INHIBITORS FOR USE IN THE TREATMENT OF METABOLIC DISEASE AND HFPEF ~71:Tenaya Therapeutics, Inc., 171 Oyster Point Boulevard, Suite 500, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: HOEY, Timothy C.;MANDEGAR, Mohammad A.;YANG, Jin~ 33:US ~31:63/183,914 ~32:04/05/2021;33:US ~31:63/210,676 ~32:15/06/2021;33:US ~31:63/210,690 ~32:15/06/2021

2023/10257 ~ Provisional ~54:DIGITAL LEVEL PRISM LAND SURVEYING ~71:Donald William Fraser, 27 Van Breda Street, South Africa ~72: Donald William Fraser~

2023/10287 ~ Complete ~54:IONIZABLE CATIONIC LIPIDS FOR RNA DELIVERY ~71:Arcturus Therapeutics, Inc., 10628 Science Center Drive, Suite 250, SAN DIEGO 92121, CA, USA, United States of America ~72: KARMALI, Priya Prakash;RAJAPPAN, Kumar;SAGI, Amit;TANIS, Steven~ 33:US ~31:63/185,303 ~32:06/05/2021

2023/10289 ~ Complete ~54:MODULATORS OF TREX1 ~71:Constellation Pharmaceuticals, Inc., 470 Atlantic Ave, Suite 1401, BOSTON 02210, MA, USA, United States of America ~72: COFFIN, Aaron;KHANNA, Avinash;LEVELL, Julian R.;WILSON, Jonathan E.~ 33:US ~31:63/184,460 ~32:05/05/2021

2023/10276 ~ Complete ~54:STEEL TUBE BUNDLE COMPOSITE SHEAR WALL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Yilin;CHENG Meiying;DING Bo;GUO Peng;LI Peng;LI Ying;LIU Tianxing;LIU Wan;Li Sida;PENG Lansi;QIU Feng;SONG Shuaiqi;TANG Xuepiao;WANG Mingming;WANG Yi;YOU Peibo;ZHANG Sihan;ZHANG Xiting;ZHAO Mingbo;ZHOU Yifan~ 33:CN ~31:202310714693X ~32:16/06/2023

. - APPLIED ON 2023/11/06 -

2023/10327 ~ Complete ~54:PRINTABLE, MULTI-LAYERED PAPER FOR PACKAGING AND PROCESS FOR PRODUCTION THEREOF ~71:MONDI AG, Marxergasse 4A 1030 Wien, Austria ~72: MARVIN MÖHLE~ 33:AT ~31:A 50295/2021 ~32:21/04/2021

2023/10328 ~ Complete ~54:ASSEMBLY FOR PREPARING AN INJECTABLE COMPOSITION ~71:WEBER MINING & TUNNELLING, 94 avenue de la Paix, 57520 Rouhling, France ~72: FABRICE FERSTLER;FRANK WEBER~ 33:FR ~31:FR2105991 ~32:07/06/2021

2023/10299 ~ Provisional ~54:2 AXLE PINHOLE LOCK WHEELCHAIR MODULE FOR ONE HANDED DRIVE ~71:Juandré Klopper, 117 De Oude Pastorie, Gladstone Street, South Africa ~72: Johannes Nicolaas Klopper;Juandré Klopper~

2023/10310 ~ Complete ~54:DRILLING AND SAMPLING DEVICE FOR SOIL ~71:Institute of Hydrogeology and Environmental Geology, Chinese Academy of Geological Sciences, No. 268, North Zhonghua Street, Xinhua District, Shijiazhuang City, Hebei Province, 050060, People's Republic of China;Langfang Center for General

Survey of Natural Resources, CGS, No. 93, Guangyang Road, Guangyang District, Langfang City, Hebei Province, 065000, People's Republic of China ~72: CHEN, Hongyun;LI, Dalu;LI, Hengfei;LI, Jiannan;LI, Xiangqian;LIU, Junjian~

2023/10318 ~ Complete ~54:HYPERSPECTRAL IMAGE BAND SELECTION METHOD AND SYSTEM BASED ON LATENT FEATURE FUSION ~71:ZHEJIANG NORMAL UNIVERSITY, 688 Yingbin Road, Jinhua, People's Republic of China ~72: TANG, Chang;XU, Huiying;ZHAO, Jianmin;ZHU, Xinzhong~ 33:CN ~31:202110447625.2 ~32:25/04/2021

2023/10336 ~ Complete ~54:SYSTEM AND METHOD TO PRODUCE LIQUEFIED NATURAL GAS USING TWO DISTINCT REFRIGERATION CYCLES WITH AN INTEGRAL GEAR MACHINE ~71:Praxair Technology, Inc., 10 Riverview Drive, DANBURY 06810, CT, USA, United States of America ~72: HOWARD, Henry Edward~ 33:US ~31:63/175,163 ~32:15/04/2021

2023/10320 ~ Complete ~54:ASSET VERIFICATION SYSTEM AND METHODS OF USING SAME ~71:SCARSELLI, Bruno, 580 5th Avenue, Suite 1518, New York, United States of America ~72: SCARSELLI, Bruno~ 33:US ~31:63/171,212 ~32:06/04/2021

2023/10333 ~ Complete ~54:OPERATING METHOD OF A NETWORK OF PLANTS ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dennis LU;Dmitri BOULANOV;George TSVIK;Jon REYES RODRIGUEZ;José BARROS LORENZO;Marcelo ANDRADE;Odile CARRIER;Sarah SALAME~

2023/10335 ~ Complete ~54:UNIT DOSE DRY POWDER INHALER ~71:Vectura Delivery Devices Limited, One Prospect West, CHIPPENHAM SN14 6FH, WILTSHIRE, UNITED KINGDOM, United Kingdom ~72: BAYLISS, Justin;MELINIOTIS, Andreas~ 33:EP ~31:21172658.3 ~32:07/05/2021

2023/10308 ~ Complete ~54:ENERGY STORAGE CASE ~71:SRNE SOLAR CO., LTD, 4th-5th Floor, 13A Building, Taihua Wutong Industrial Park, Sanwei Community, Hangcheng Street, Baoan District, People's Republic of China ~72: CHEN, Yong;LI, Ke~ 33:CN ~31:202223095733.7 ~32:21/11/2022

2023/10314 ~ Complete ~54:ENVIRONMENTAL METHOD FOR MANUFACTURING ALUMINIUM ELECTROMAGNETIC WIRE ~71:Anhui Jinglong New Material Co., Ltd., Building 21, New Material Industrial Park, Jiangnan Industrial Cluster, Chizhou City, Anhui Province, 247100, People's Republic of China ~72: LIU, Yongjun~

2023/10302 ~ Provisional ~54:REMOTE ONBOARDING SYSTEM ~71:CAPITEC BANK LIMITED, 5 Neutron Road, Techno Park, South Africa ~72: BOTHA, Amrei;BRITTAN, Gillian;LEMBETHE, Sithembile;MAHUNGU, Ntsakisi;MAPHALA, Lawrence;MASHELE, Zandile;MBABALA, Mnoneleli;MFEKA, Shanice;MOGALE, Miemie;MURANGARI, Mary-Anne;RAMMANAWAR, Ashveer;SMIT, Coetzee;TSHUMA, Lingani~

2023/10303 ~ Complete ~54:IN-VITRO CULTURE, INDUCTION, ACTIVATION AND CRYOPRESERVATION METHOD AND CELL BANK ESTABLISHMENT FOR IMMUNE CELLS ~71:QINGDAO RUISIDE BIOLOGICAL TECHNOLOGY CO., LTD., 1&2F, Building 7, Incubation Center, Qingdao Blue Biological medicine Industrial Park, NO. 368 Hedong Road, High-tech Zone, Qingdao City, People's Republic of China ~72: CHEN, Mengmeng;ZHANG, Bingqiang~

2023/10319 ~ Complete ~54:HIGH-ORDER CORRELATION PRESERVED INCOMPLETE MULTI-VIEW SUBSPACE CLUSTERING METHOD AND SYSTEM ~71:ZHEJIANG NORMAL UNIVERSITY, 688 Yingbin Road, Jinhua, People's Republic of China ~72: TANG, Chang;XU, Huiying;ZHAO, Jianmin;ZHU, Xinzhong~ 33:CN ~31:202110446987.X ~32:25/04/2021

2023/10323 ~ Complete ~54:CIRCULAR RNA COMPOSITIONS AND METHODS ~71:ORNA THERAPEUTICS, INC., 620 Memorial Drive, 2nd Floor, Cambridge, United States of America ~72: BARNES, Thomas;BECKER, Amy M.;GOODMAN, Brian;HORHOTA, Allen T.;MOTZ, Gregory;OTT, Kristen;SHIVASHANKAR, Varun;SHU, Huan;WESSELHOEFT, Robert Alexander~ 33:US ~31:63/209,271 ~32:10/06/2021;33:US ~31:63/311,923 ~32:18/02/2022

2023/10340 ~ Complete ~54:CDK2 DEGRADERS AND USES THEREOF ~71:Kymera Therapeutics, Inc., 200 Arsenal Yards Blvd., Suite 230, WATERTOWN 02472, MA, USA, United States of America ~72: AVERSA, Robert;COLLIER, Philip;ZHANG, Yi;ZHENG, Xiaozhang;ZHU, Xiao~ 33:US ~31:63/185,929 ~32:07/05/2021

2023/10338 ~ Complete ~54:PROJECTILE FOR AMMUNITION ~71:RUAG Ammotec AG, Uttigenstrasse 67, THUN 3602, SWITZERLAND, Switzerland ~72: GRÜNIG, Markus;MEYER, Donald;MUSTER, Michael~ 33:DE ~31:10 2021 112 014.4 ~32:07/05/2021

2023/10307 ~ Complete ~54:METHOD FOR RAPIDLY DETERMINING PROTECTIVE PERFORMANCES OF BRIDGE PIER ATTACHED ANTI-COLLISION DEVICE ~71:CHINA MERCHANTS CHONGQING COMMUNICATIONS TECHNOLOGY RESEARCH & DESIGN INSTITUTE CO., LTD., No. 33 Xuefu Avenue, Nan'an District, People's Republic of China;CHONGQING UNIVERSITY, 174 shazheng street, shapingba district, People's Republic of China ~72: FENG Xia;YUAN,Pei;YUE, Rui;ZHANG, Yankun;ZHENG, Zhi~ 33:CN ~31:202211514077.1 ~32:29/11/2022

2023/10309 ~ Complete ~54:ENERGY STORAGE CASE ~71:SRNE SOLAR CO., LTD, 4th-5th Floor, 13A Building, Taihua Wutong Industrial Park, Sanwei Community, Hangcheng Street, Baoan District, People's Republic of China ~72: CHEN, Yong;LI, Ke~ 33:CN ~31:202223596631.3 ~32:29/12/2022

2023/10322 ~ Complete ~54:DIFFERENTIAL PRESSURE SLIDING SLEEVE, AND OIL AND GAS WELL FRACTURING CONSTRUCTION METHOD USING SAME ~71:CHINA PETROLEUM & CHEMICAL CORPORATION, No. 22 Chaoyangmen North Street, Chaoyang District, People's Republic of China;SINOPEC SOUTHWEST OIL & GAS COMPANY, No. 688, Jitai Road Hi-Tech Industrial Development Zone Chengdu, People's Republic of China ~72: CHEN, Chen;CUI, Jingyu;HOU, Zhimin;HU, Dan;HU, Shunqu;LEI, Wei;LIN, Yongmao;WANG, Qiang;XIE, Zhi;ZHAO, Wei~

2023/10331 ~ Complete ~54:POLYPEPTIDES THAT INTERACT WITH PEPTIDE TAGS AT LOOPS OR TERMINI AND USES THEREOF ~71:OXFORD UNIVERSITY INNOVATION LIMITED, Buxton Court, 3 West Way, United Kingdom ~72: FERLA, Matteo;HOWARTH, Mark;YADAV, Vikash~ 33:GB ~31:2104999.4 ~32:08/04/2021

2023/10326 ~ Complete ~54:AIR INTAKE STRUCTURE FOR VEHICLE SUNROOF AND RECREATIONAL VEHICLE (RV) WITH SUNROOF ~71:JIANGSU SANJO INTELLIGENT TECHNOLOGY CO., LTD., No. 8, Jinguazi Road, Nandu Town, Liyang City Changzhou, Jiangsu, 213371, People's Republic of China ~72: HU, Qingqing;XIAO, Heping~ 33:CN ~31:2023104565467 ~32:26/04/2023

2023/10316 ~ Complete ~54:FLUOROALKYL-OXADIAZOLES AND USES THEREOF ~71:Tenaya Therapeutics, Inc., 171 Oyster Point Boulevard, Suite 500, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: BHATT, Ulhas;DING, Pingyu;HOLAN, Martin;LEE, John;LI, Yihong;MANDEGAR, Mohammad A.;MEDINA, Julio;NERURKAR, Alok;PATEL, Snahel;SEIDL, Frederick;SPERANDIO, David;WIDJAJA, Tien~ 33:US ~31:62/951,853 ~32:20/12/2019;33:US ~31:63/027,602 ~32:20/05/2020;33:US ~31:63/064,516 ~32:12/08/2020

2023/10325 ~ Complete ~54:CEMENTITIOUS PRODUCTION FROM NON-LIMESTONE MATERIAL ~71:BRIMSTONE ENERGY, INC., 1715 POPLAR STREET, OAKLAND, CALIFORNIA 94607, USA, United States

of America ~72: BRESSON, James, Alexis;DRY, Michael, J.;FINKE, Cody;HARVEY-COSTELLO, Nydra;KARUMB, Evody, Tshijik;KASHYAP, Vivek;KELLER, Margaret, Josephine;LEANDRI, Hugo, Francois~ 33:US ~31:63/173,703 ~32:12/04/2021;33:US ~31:63/240,319 ~32:02/09/2021;33:US ~31:63/279,596 ~32:15/11/2021

2023/10337 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITING MITOCHONDRIA AMIDOXIME REDUCING COMPONENT 1 (MARC1) EXPRESSION ~71:Dicerna Pharmaceuticals, Inc., 75 Hayden Avenue, LEXINGTON 02421, USA, United States of America;Novo Nordisk A/S, Novo Allé, BAGSVÆRD 2880, DENMARK, Denmark ~72: DING, Zhihao;DUDEK, Henryk;HAN, Wen;HAYNES, William Geoffrey;LAI, Chengjung;PURSELL, Natalie Wayne~ 33:US ~31:63/194,395 ~32:28/05/2021;33:EP ~31:21183860.2 ~32:06/07/2021

2023/10339 ~ Complete ~54:SURGICAL INSTRUMENTS, GUIDES, AND METHODS OF USE ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: DACOSTA, Albert;DOGUE, Joseph;HUNT, Richard David;JARBOE, Matt;SCHMIDT, Michael~ 33:US ~31:63/173,043 ~32:09/04/2021;33:US ~31:63/262,845 ~32:21/10/2021

2023/10341 ~ Provisional ~54:IN-PLAY PLAYER ACTION PERFORMANCE STATS BETTING SYSTEM AND CLIENT-SERVER INTERFACE BET SLIP ~71:BANTU STRATEGIC POSITIONING (PTY) LTD, 5818 MASHANE STREET, ORLANDO EAST, South Africa ~72: MADODA PHEHELLO NGCONGOLO~

2023/10300 ~ Provisional ~54:REGENERATIVE BRAKING USING WATER AS MEDIUM ~71:Peter Phillip Jordaan, 28 Marseille Crescent, South Africa ~72: Peter Phillip Jordaan~

2023/10301 ~ Provisional ~54:WASTE TO ENERGY POWER PLANT ~71:LEKONE, Keletso, 1357 Sedumedi Street, Kagiso, South Africa;MMOKWA, Kutlwano, 1135 Ejay Barul Drive, Kagiso, South Africa ~72: LEKONE, Keletso;MMOKWA, Kutlwano~

2023/10306 ~ Complete ~54:SERUM-FREE COMPLETE MEDIUM FOR INDUCING DIFFERENTIATION OF MESENCHYMAL STEM CELL TO CORNEAL EPITHELIAL CELL ~71:QINGDAO RUISIDE BIOLOGICAL TECHNOLOGY CO., LTD., 1&2F, Building 7, Incubation Center, Qingdao Blue Biological medicine Industrial Park, NO. 368 Hedong Road, High-tech Zone, Qingdao City, People's Republic of China ~72: CHEN, Mengmeng;FU,Xueqi;ZHANG, Bingqiang;ZOU, Wei~

2023/10311 ~ Complete ~54:A POROUS LATTICE STRUCTURE TITANIUM ALLOY BONE PLATE ~71:Hebei University of Science & Technology, No.26 Yuxiang Street, Yuhua District, Shijiazhuang City, Hebei Province, 050018, People's Republic of China ~72: Guang YANG;Linlin ZHANG;Mengyan QIN;Zhiying QIN~

2023/10312 ~ Complete ~54:DISTRIBUTION TRANSFORMER EFFICIENCY MONITORING AND NEUTRAL LINE CURRENT CONTROL DEVICE AND ITS USE METHOD ~71:Yili Vocational And Technical College, 179 Shengli Street, Yining City, Yili Kazakh Autonomous Prefecture, People's Republic of China ~72: LIU Yanyan;WEN Haoxing;YAO Wei;YU Zhenjiang~

2023/10298 ~ Provisional ~54:SOLAR TRAILER ~71:Rodney Reginald Kruger, 903 Theophilus Avenue, Strubens Valley, South Africa ~72: Rodney Reginald Kruger~

2023/10304 ~ Complete ~54:METHOD FOR SCREENING, ACTIVATING, AMPLIFYING AND CRYOPRESERVING MESENCHYMAL STEM CELLS IN VITRO AND ESTABLISHING CELL BANK OF MESENCHYMAL STEM CELLS ~71:QINGDAO RUISIDE BIOLOGICAL TECHNOLOGY CO., LTD., 1&2F, Building 7, Incubation Center, Qingdao Blue Biological medicine Industrial Park, NO. 368 Hedong Road, High-tech Zone, Qingdao City, People's Republic of China ~72: CHEN, Mengmeng;ZHANG, Bingqiang~

2023/10305 ~ Complete ~54:AN INDUCER FOR INDUCING A MESENCHYMAL STEM CELL TO DIFFERENTIATE INTO AN ISLET CELL ~71:QINGDAO RUISIDE BIOLOGICAL TECHNOLOGY CO., LTD., 1&2F, Building 7, Incubation Center, Qingdao Blue Biological medicine Industrial Park, NO. 368 Hedong Road, High-tech Zone, Qingdao City, People's Republic of China ~72: CHEN, Mengmeng;FU, Xueqi;LI, Cuicui;LIU, Cuijuan;WANG, Erpu;WANG, Fubin;ZHANG, Bingqiang;ZOU, Wei~

2023/10313 ~ Complete ~54:A METHOD FOR DETERMINING THE OPTIMAL WATER LEVEL OF LAKESWITH CONSIDERING THE COEXISTENCE RELATIONSHIPS BETWEEN WATER LEVEL AND HYDROLOGICAL CONNECTIVITY ~71:Beijing Normal University, No.19,Xinjiekouwai Street, Haidian District, Beijing, People's Republic of China ~72: Cai Jianying;Cai Yanpeng;Li Chunhui;Liu Dan;Liu Qiang;Wang Xuan;Wei Chenxi~ 33:CN ~31:202310150358.1 ~32:22/02/2023

2023/10315 ~ Complete ~54:2,4-DIAMINOQUINAZOLINE DERIVATIVES AND MEDICAL USES THEREOF ~71:Janssen Sciences Ireland Unlimited Company, Barnahely, RINGASKIDDY, CO CORK, IRELAND, Ireland ~72: COOYMANS, Ludwig Paul;EMBRECHTS, Werner Constant Johan;GUILLEMONT, Jérôme Émile Georges;JONCKERS, Tim Hugo Maria;MC GOWAN, David Craig;RABOISSON, Pierre Jean-Marie Bernard~ 33:EP ~31:18159583.6 ~32:01/03/2018

2023/10317 ~ Complete ~54:EXOCARPIUM CITRI RUBRUM BEVERAGE FOR PREVENTING COUGH DUE TO WIND-COLD AND PREPARATION METHOD THEREOF ~71:PANG, Zhijie, No. 61, Tangpo Village, Muxian Ancestral Village, Liangguang Town, Huazhou City, People's Republic of China ~72: PANG, Zhijie~

2023/10329 ~ Complete ~54:EGFR DEGRADERS TO TREAT CANCER METASTASIS TO THE BRAIN OR CNS ~71:C4 THERAPEUTICS, INC., 490 Arsenal Way, Suite 120, Watertown, Massachusetts, 02472, United States of America ~72: ALEXANDER W HIRD;ANNICK GOERGLER;ANTONIO RICCI;CHRISTOPHER G NASVESCHUK;DANIEL RUEHER;GEORG JAESCHKE;JAE YOUNG AHN;KIEL LAZARSKI;MARTIN DUPLESSIS;RYAN E MICHAEL;YANKE LIANG~ 33:US ~31:63/193,574 ~32:26/05/2021;33:US ~31:63/270,488 ~32:21/10/2021

2023/10334 ~ Complete ~54:PYRIDAZINE COMPOUNDS FOR INHIBITING NLRP3 ~71:Ventus Therapeutics U.S., Inc., 100 Beaver Street, Suite 202, WALTHAM 02453, MA, USA, United States of America ~72: BEVERIDGE, Ramsay;BURCH, Jason;CÔTÉ, Alexandre;CHEFSON, Amandine;CIBLAT, Stéphane;DORICH, Stéphane;ST-ONGE, Miguel~ 33:US ~31:63/171,932 ~32:07/04/2021;33:US ~31:17/528,928 ~32:17/11/2021

2023/10324 ~ Complete ~54:INDUCER FOR INDUCING DIFFERENTIATION OF MESENCHYMAL STEM CELLS INTO ESTRADIOL-SECRETING CELLS ~71:QINGDAO RUISIDE BIOLOGICAL TECHNOLOGY CO., LTD., 1&2F, Building 7, Incubation Center, Qingdao Blue Biological medicine Industrial Park, NO. 368 Hedong Road, High-tech Zone, Qingdao City, People's Republic of China ~72: CHEN, Mengmeng;ZHANG, Bingqiang~ 33:CN ~31:202210579694.3 ~32:26/02/2023

2023/10330 ~ Complete ~54:THERAPEUTICS FOR THE DEGRADATION OF MUTANT BRAF ~71:C4 THERAPEUTICS, INC., 490 Arsenal Way, Suite 120, Watertown, Massachusetts, 02472, United States of America ~72: ANDREW CHARLES GOOD;CHRISTOPHER G NASVESCHUK;COSIMO DOLENTE;DANIEL HUNZIKER;DANIELA KRUMMENACHER;DAVID STEPHEN HEWING;GESINE KERSTIN VEITS;JUERGEN WICHMANN;KATRINA L JACKSON;MARK E FITZGERALD;MARTIN DUPLESSIS;MORGAN WELZEL O'SHEA;PIERGIORGIO FRANCESO TOMMASO PETTAZZONI;ROBERT T YU;VICTORIA GARZA;YANKE LIANG~ 33:EP ~31:21178145.5 ~32:08/06/2021;33:EP ~31:21178150.5 ~32:08/06/2021;33:EP ~31:21178152.1 ~32:08/06/2021;33:US ~31:63/277,973 ~32:10/11/2021

2023/10332 ~ Complete ~54:METHOD FOR MANUFACTURING DIRECT REDUCED IRON AND DRI MANUFACTURING EQUIPMENT ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dennis LU;Dmitri BOULANOV;George TSVIK;Jon REYES RODRIGUEZ;José BARROS LORENZO;Marcelo ANDRADE;Odile CARRIER;Sarah SALAME~

2023/10321 ~ Complete ~54:CHIMERIC ANTIGEN RECEPTORS WITH MAGE-A4 SPECIFICITY AND USES THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BRAY, Kevin;DELFINO, Frank;DILILLO, David~ 33:US ~31:63/184,183 ~32:04/05/2021;33:US ~31:63/239,293 ~32:31/08/2021

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2023/10376 ~ Provisional ~54:TACSEE NAMELA ~71:LEBOGANG MASHILO, 7026 ZONE6, GARANKUWA, South Africa ~72: LEBOGANG MASHILO~

2023/10370 ~ Complete ~54:UPLINK CONTROL INFORMATION CARRIER SWITCH ~71:QUALCOMM Incorporated, Attn: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: DIMOU, Konstantinos;HOSSEINI, Seyedkianoush;HUANG, Yi;JI, Tingfang;SUN, Jing~ 33:GR ~31:20210100318 ~32:11/05/2021

2023/10343 ~ Provisional ~54:A SYSTEM AND METHOD OF PASTING A QR CODE STICKER TO CERTIFY DOCUMENTS ~71:Tshimangadzo Tshikomba, 95 Rahima Moosa Street, South Africa ~72: Tshimangadzo Tshikomba~

2023/10356 ~ Complete ~54:HEAT DISTRIBUTION IN AEROSOL-GENERATING DEVICE ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BESSO, Clement;EMMETT, Robert;HUANG, Houxue~ 33:EP ~31:21167592.1 ~32:09/04/2021

2023/10360 ~ Complete ~54:DEVICE AND METHOD FOR TERMINATING OPTICAL FIBRE CABLES ~71:MICROSOFT TECHNOLOGY LICENSING, LLC, One Microsoft Way, Redmond, Washington, 98052-6399, United States of America ~72: ANDREW THOMAS HARKER;IAN DEWI LANG;JOHN R STROUD~ 33:GB ~31:2108640.0 ~32:17/06/2021

2023/10367 ~ Complete ~54:SMALL VOLUME LIQUID MIXING AND DISPENSING SYSTEM AND METHOD ~71:SCINOGY PRODUCTS PTY LTD, 59 Finlayson Avenue Mount Martha, Australia ~72: FITZPATRICK, Ian;JAMES, David;WILSON, Stephen~ 33:AU ~31:2021902000 ~32:30/06/2021

2023/10355 ~ Complete ~54:METHOD FOR MANUFACTURING DIRECT REDUCED IRON AND DRI MANUFACTURING EQUIPMENT ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dennis LU;Dmitri BOULANOV;George TSVIK;Jon REYES RODRIGUEZ;José BARROS LORENZO;Marcelo ANDRADE;Odile CARRIER;Sarah SALAME~

2023/10361 ~ Complete ~54:CONTEXT-BASED IMAGE CODING ~71:MICROSOFT TECHNOLOGY LICENSING, LLC, One Microsoft Way, Redmond, Washington, 98052-6399, United States of America ~72: BIN LI;JIAHAO LI;YAN LU~ 33:CN ~31:202110738324.5 ~32:30/06/2021

2023/10345 ~ Complete ~54:ENERGY STORAGE SYSTEM ~71:SRNE SOLAR CO., LTD, 4th-5th Floor, 13A Building, Taihua Wutong Industrial Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen, People's Republic of China ~72: CHEN, Yong;LI, Ke~ 33:CN ~31:202223605238.6 ~32:29/12/2022

2023/10352 ~ Complete ~54:POSTOPERATIVE ANALGESIC AND HEMOSTATIC DEVICE FOR ANORECTAL NURSING ~71:Guang'an People's Hospital, No. 1 segment, Binhe Road, Guang 'an District,

Guang'an, Sichuan province, 638550, People's Republic of China ~72: Cheng Guanglin;Shi Li;Shu Xiaojuan~

2023/10353 ~ Complete ~54:TOILET INSTALLATION ~71:BETRAM (PROPRIETARY) LIMITED, 11 Steenbok Street, Koedoespoort, PRETORIA 0186, SOUTH AFRICA, South Africa ~72: FOURIE (Jnr), Lukas Pieter~ 33:ZA ~31:2022/12251 ~32:10/11/2022

2023/10383 ~ Complete ~54:INHIBITION OF UNINTENDED MUTATIONS IN GENE EDITING ~71:SHANGHAITECH UNIVERSITY, ROOM 207, ADMINISTRATION CENTER, NO. 393 MIDDLE HUAXIA ROAD, PUDONG NEW AREA, People's Republic of China ~72: CHEN, JIA;HUANG, XINGXU;WANG, LIJIE;YANG, BEI;YANG, LI~ 33:CN ~31:PCT/CN2019/074577 ~32:02/02/2019

2023/10342 ~ Provisional ~54:HAIRBRUSH ~71:ANNANDALE, Pieter Conley, 26 Max Kirchhofer Street, South Africa;GROENEWALD, Breyten, 26 Max Kirchhofer Street, South Africa ~72: ANNANDALE, Pieter Conley;GROENEWALD, Breyten~

2023/10348 ~ Complete ~54:A PROCESSING AND PREPARATION METHOD FOR HIGH-STRENGTH 7000 SERIES ALUMINUM ALLOY PROFILES ~71:Guangdong Exquisite Special Profile Co., Ltd, Taiji Industrial City, High tech Industrial Development Zone, Qingyuan City, Guangdong Province, People's Republic of China;Shenzhen Polytechnic University, 7098 Liuxian Avenue, Nanshan District, Shenzhen, Guangdong Province, People's Republic of China;South China University of Technology, 381 Wushan Road, Tianhe District, Guangzhou, People's Republic of China ~72: Cao Genghua;Meng Fansheng;Xiang Shengqian;Zhang Datong~ 33:CN ~31:2023113323791 ~32:16/10/2023

2023/10362 ~ Complete ~54:METHOD FOR REPLACING SALTS OF A SELF-REGENERATING BREATHER DEVICE OF A POWER ELECTRICAL APPARATUS ~71:COMEM S.P.A., Località Signolo, 22 Sr 11, 36054, Montebello Vicentino (VI), Italy ~72: ANDREA TONIN;FRANCESCA NUCCI;GIANMARIA UGOLIN~ 33:IT ~31:102021000012281 ~32:13/05/2021

2023/10347 ~ Complete ~54:A PREPARATION METHOD OF LOW-CHLORIDE MAGNESIUM OXIDE ~71:Central South University, No. 932, Lushan South Road, Changsha City, Hunan Province, 410083, People's Republic of China ~72: Junfeng CHENG;Shangyong LIN;Wei SUN;Weiping LIU~ 33:CN ~31:2023101300036 ~32:17/02/2023

2023/10349 ~ Complete ~54:TUNNEL CONSTRUCTION SAFETY RISK WARNING AND DIGITAL MANAGEMENT METHOD THROUGH KARST CAVE SECTION ~71:China Railway Development Investment Group Co., Ltd., Zhongtie Building, Caiyunnan Road, Chenggong District, Kunming City, Yunnan Province, 650504, People's Republic of China;Guizhou Transportation Planning Survey & Design Academe Co., Ltd., No.100, Yangguan Avenue, Hi-Tech Industrial Development Zone, Guiyang City, Guizhou Province, 550081, People's Republic of China ~72: Changlong LI;Cheng LI;Guangmao LI;Guodong LI;Hongwei DING;Jianfeng ZHANG;Lindong MA;Ran ZHAO;Tongxu JI;Xiangdong XU;Xingyu MOU;Yuliang FAN;Zhenyu ZHAO~ 33:CN ~31:2023101281406 ~32:17/02/2023

2023/10351 ~ Complete ~54:OPTIMIZED METHOD FOR EXTRACTING RNA OF MILK FAT ~71:Northwest A&F University, No. 3, Taicheng Road, Yangling Demonstration Zone, Xianyang City, Shaanxi Province, 712100, People's Republic of China ~72: Qiu Liang;Tan Jianbing;Yang Benshun~

2023/10377 ~ Provisional ~54:LOW AMPERAGE HOB 4 PLATE SPIRAL + SOLID ~71:LEONARD PETERSEN FAMILY TRUST I/T 132/2004, 45 30TH AVE, ELSIES RIVER, CAPE TOWN, South Africa ~72: LEONARD PETERSEN~

2023/10350 ~ Complete ~54:APPARATUS FOR SIMULATING CAVE ENVIRONMENT AND USE METHOD THEREOF ~71:Jishou University, No. 120, Renmin South Road, Jishou City, Hunan, 416000, People's Republic of China ~72: TANG, Wenxi~

2023/10344 ~ Provisional ~54:ASGER GUARD ~71:William Olivier, 23 Concord Avenue, South Africa ~72: William Olivier~

2023/10346 ~ Complete ~54:CASE BODY OF ENERGY STORAGE CASE AND ENERGY STORAGE CASE ~71:SRNE SOLAR CO., LTD, 4th-5th Floor, 13A Building, Taihua Wutong Industrial Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen, People's Republic of China ~72: CHEN, Yong;LI, Ke~ 33:CN ~31:202223550796.7 ~32:29/12/2022

2023/10357 ~ Complete ~54:A METHOD FOR MANUFACTURING DIRECT REDUCED IRON ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dennis LU;Dmitri BOULANOV;George TSVIK;Jon REYES RODRIGUEZ;José BARROS LORENZO;Marcelo ANDRADE;Odile CARRIER;Sarah SALAME~

2023/10359 ~ Complete ~54:IMAGE CODEC ~71:MICROSOFT TECHNOLOGY LICENSING, LLC, One Microsoft Way, Redmond, Washington, 98052-6399, United States of America ~72: BIN LI;JIAHAO LI;YAN LU~ 33:CN ~31:202110655980.9 ~32:11/06/2021

2023/10369 ~ Complete ~54:A PROCESS FOR TRANSITION METAL OXIDE REDUCTION ~71:Helios Project Ltd., 22 Aharon Katsnelson Street, PETAH TIKVA 4972137, ISRAEL, Israel ~72: ELIAD, Linoam;GEIFMAN, Jonathan;GOFER, Yossi;HAUSNER, Jonathan;HIRSH, Baruch;LORI, Oran~ 33:US ~31:63/221,501 ~32:14/07/2021

2023/10373 ~ Complete ~54:SYSTEM, METHOD AND APPARATUS FOR COMPUTING AND MANAGING THE FLOW RATE WITHIN AN IRRIGATION CORNER ASSEMBLY ~71:VALMONT INDUSTRIES, INC., One Valmont Plaza Omaha, United States of America ~72: MOELLER, Mark A.;THATCHER, Tracy, A.~ 33:US ~31:63/213,345 ~32:22/06/2021

2023/10378 ~ Complete ~54:COMPLEMENT FACTOR B INHIBITOR, AND PHARMACEUTICAL COMPOSITION THEREOF, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:MEIYUE BIOTECH DEVELOPMENT CO., LTD., 3333 Shenjiang Road, Building 1, Floor 5, Block A Pudong New District, People's Republic of China ~72: CHEN, Yongkai;LUAN, Linbo;WANG, Chaodong~ 33:CN ~31:202010790872.8 ~32:07/08/2020

2023/10371 ~ Complete ~54:DEVICE FOR CONTROLLED PRODUCTION OF A GAS FROM TWO FLUID REAGENTS DEPOSITED ON A SURFACE ~71:Hysilabs, SAS, Bâtiment Lavoisier, Avenue Louis Philibert, Technopôle de l'environnement Arbois-Méditerranée, AIX-EN-PROVENCE 13100, FRANCE, France ~72: LOME, Vincent;MASSE DE LA HUERTA, César Arturo;NATT, Alexandre~ 33:EP ~31:21168116.8 ~32:13/04/2021

2023/10374 ~ Complete ~54:ENVELOPING WORM GEAR GEARBOX FOR MECHANIZED IRRIGATION MACHINES ~71:VALMONT INDUSTRIES, INC., One Valmont Plaza Omaha, United States of America ~72: KASTL, John~ 33:US ~31:63/190,322 ~32:19/05/2021

2023/10354 ~ Complete ~54:HAMSTRING COMPRESSION DEVICE ~71:BOTHA, Arno, 3 Karee Laan, 5 Doringheuwels, Dorinkruin, KLERKSDORP 2571, North West Province, SOUTH AFRICA, South Africa ~72: BOTHA, Arno~

2023/10358 ~ Complete ~54:DEVICE AND METHOD FOR GRINDING MATERIAL TO BE GROUND ~71:JURA ELEKTROAPPARATE AG, Kaffeeweltstrasse 10, Switzerland ~72: Philipp BÜTTIKER;Shahryar REYHANLOO~ 33:EP ~31:21177220.7 ~32:01/06/2021

2023/10368 ~ Complete ~54:SALT FORM OF PYRROLOTRIAZINE COMPOUND, CRYSTAL FORM THEREOF, AND PREPARATION METHOD THEREFOR ~71:JUMBO DRUG BANK CO., LTD., No.18, Section 2, Bio-city Middle Road, High-tech Zone, Chengdu, People's Republic of China ~72: CHEN, Shuhui;JIANG, Ning;WEI, Xiawei;WU, Lingyun;XU, Xiongbin;YOU, Xu~ 33:CN ~31:202110501179.9 ~32:08/05/2021

2023/10372 ~ Complete ~54:PROCESS FOR PRODUCTION OF NITRIC ACID PROVIDED WITH A SECONDARY ABATEMENT TREATMENT. ~71:Casale SA, Via Pocobelli, 6, LUGANO 6900, SWITZERLAND, Switzerland ~72: BIALKOWSKI, Michal Tadeusz;BIASI, Pierdomenico;GARBUJO, Alberto;OLDANI, Fabio;OSTUNI, Raffaele;PANZERI, Nicola~ 33:EP ~31:21176479.0 ~32:28/05/2021

2023/10365 ~ Complete ~54:CONTRACEPTIVE COMPOUNDS AND METHODS ~71:REGENTS OF THE UNIVERSITY OF MINNESOTA, 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota, 55455-2020, United States of America ~72: INGRID GUNDA GEORG;NARSIHMULU CHERYALA~ 33:US ~31:63/184,014 ~32:04/05/2021;33:US ~31:63/307,943 ~32:08/02/2022;33:US ~31:63/326,524 ~32:01/04/2022

2023/10375 ~ Complete ~54:MULTI-CORNER IRRIGATION SYSTEM HAVING MULTIPLE STEERABLE POINTS WITHIN MOBILE IRRIGATION MACHINE AND METHOD FOR IMPLEMENTING THE SAME ~71:VALMONT INDUSTRIES, INC., One Valmont Plaza Omaha, United States of America ~72: KASTL, John~ 33:US ~31:63/183,157 ~32:03/05/2021

2023/10364 ~ Complete ~54:SIRNA DELIVERY VECTOR ~71:COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Anusandhan Bhawan, 2 Rafi Marg, New Delhi, Delhi, 110001, India ~72: ALTAB SHAIKH;PANANGIPALLI SRAVYA;PRAVEEN KUMAR NEELI;RAJAMANNAR THENNATI;RAJKUMAR BANERJEE;SINGURU GAJALAKSHMI;SRIGIRIDHAR KOTAMRAJU;SURENDAR REDDY BATHULA~ 33:IN ~31:202111024926 ~32:04/06/2021

2023/10366 ~ Complete ~54:A STRUCTURE OF A BEARINGLESS INDUCTION MOTOR AND A MANUFACTURING METHOD THEREOF ~71:West Anhui University, Yueliang Island, Yu'an District, Lu'an City, Anhui Province, 237012, People's Republic of China ~72: Chengling Lu;Chengtao Du;Gang Zhang;Jie Fang;Lei Zhang~

2023/10363 ~ Complete ~54:HEAT EXCHANGE REACTOR WITH REDUCED METAL DUSTING ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: KIM AASBERG-PETERSEN;PETER MØLGAARD MORTENSEN~ 33:EP ~31:21177657.0 ~32:03/06/2021

. - APPLIED ON 2023/11/08 -

2023/10391 ~ Complete ~54:METHOD FOR RIVER AND LAKE ECOLOGICAL WATER REPLENISHMENT MONITORING AND WELFARE ASSESSMENT BASED ON REMOTE SENSING ~71:China Institute of Water Resources and Hydropower Research, 20, Chegongzhuang West Road, Haidian District, Beijing, 100038, People's Republic of China ~72: JIANG Wei;LIU Lingjia;LONG Tengfei;LUO Gan;PANG Zhiguo;YANG Kun;ZHANG Pengjie~

2023/10398 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS FOR TREATING NEUROLOGICAL CONDITIONS ~71:YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF

JERUSALEM LTD., Hi Tech Park, Edmond Safra Campus, Israel ~72: AMAL, Haitham;DOMB, Abraham Jacob~ 33:US ~31:63/186,389 ~32:10/05/2021

2023/10401 ~ Complete ~54:PROCESS, APPARATUS AND SYSTEM FOR THE PRODUCTION, SEPARATION AND PURIFICATION OF RADIOISOTOPES ~71:SU-N ENERGY HOLDINGS LTD, #3011, 21 WIDMER STREET, TORONTO, ONTARIO M5V OB8, CANADA, Canada ~72: PAREKH, Navnitdas, Radhakishan;PAREKH, Platina, Suneel;PAREKH, Suneel, Navnitdas~ 33:IN ~31:202121017481 ~32:15/04/2021

2023/10411 ~ Complete ~54:MULTI PURPOSE URINAL MAT ~71:KUIPERS, Ronny, 64 Webb Road, Jet Park, South Africa ~72: KUIPERS, Ronny~ 33:ZA ~31:2021/03699 ~32:31/05/2021

2023/10419 ~ 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 ~31:21179498.7 ~32:15/06/2021

2023/10426 ~ Complete ~54:TITANIUM ALLOY HOT-ROLLED SEAMLESS TUBE PRODUCTION SYSTEM AND PRODUCTION PROCESS THEREOF ~71:XINPENGYUAN (LIAOCHENG) INTELLIGENT TECHNOLOGY CO., LTD, No. 6-3, North Weisan Road, Fenghuang Industrial Park, Dongchangfu District, Liaocheng, People's Republic of China ~72: GAO, Wanfeng;LI, Fengkui;LI, Wanming;LI, Xiaopeng~ 33:CN ~31:202211022967.0 ~32:25/08/2022

2023/10388 ~ Complete ~54:METHOD FOR ESTIMATING GLACIER MASS BALANCE BASED ON BI-STATIC INSAR GLACIER THICKNESS CHANGE RESULTS ~71:Henan University of Urban Construction, Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: SUN, Yafei;WANG, Long;YANG, Kai;ZHANG, Juanjuan;ZHANG, Zhimin;ZHU, Jiayin~

2023/10393 ~ Complete ~54:NOVEL STEEL PLATE RADIATOR WITH HIGH HEAT DISSIPATION PERFORMANCE ~71:St. Lawrence (Tangshan) Metal Products Co., Ltd., No.3 Community, Agricultural Corporation, Lutai Economic Development Zone, Tangshan City, Hebei Province, 301505, People's Republic of China ~72: GUO, Song;LANG, Shuangfen;YANG, Gang;YANG, Jianguo;ZHANG, Hong;ZHOU, Chunmei~

2023/10395 ~ Complete ~54:SUBSTITUTED INHIBITORS OF MENIN-MLL AND METHODS OF USE ~71:KURA ONCOLOGY, INC., 3033 Science Park Road, Suite 220, United States of America;THE REGENTS OF THE UNIVERSITY OF MICHIGAN, 1600 Huron Parkway, 2nd Floor, United States of America ~72: BORKIN, Dmitry;CIERPICKI, Tomasz;GREMBECKA, Jolanta;KLOSSOWSKI, Szymon;LI, Liansheng;POLLOCK, Jonathan;REN, Pingda;WANG, Yi;WU, Tao~ 33:US ~31:62/309,372 ~32:16/03/2016;33:US ~31:62/334,369 ~32:10/05/2016;33:US ~31:62/431,389 ~32:07/12/2016;33:US ~31:62/446,640 ~32:16/01/2017

2023/10400 ~ Complete ~54:RADIOPHARMACEUTICALS TO DIFFERENT ARTS ~71:ITM ISOTOPE TECHNOLOGIES MUNICH SE, LICHTENBERGSTRASSE 1, 85748 GARCHING, GERMANY, Germany ~72: HARFENSTELLER, Mark;KOZIOROWSKI, Jacek;MECKEL, Marian;SCHNEIDER, Karl-Heinz~ 33:DE ~31:10 2021 109 246.9 ~32:13/04/2021

2023/10402 ~ Complete ~54:METHODS, ACCESS NODE AND NETWORK NODE FOR ADDRESSING AMBIGUITIES IN ANGLE OF ARRIVAL ESTIMATION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: DWIVEDI, Satyam;ERNSTRÖM, Per;GUNNARSSON, Fredrik;LINDMARK, Gustav;LYAZIDI, Mohammed, Yazid;MUNIER, Florent;SHREEVASTAV, Ritesh~ 33:US ~31:63/173,813 ~32:12/04/2021

2023/10409 ~ Complete ~54:OPERATING METHOD OF A NETWORK OF PLANTS ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dennis LU;Dmitri BOULANOV;George TSVIK;Jon REYES RODRIGUEZ;José BARROS LORENZO;Marcelo ANDRADE;Odile CARRIER;Sarah SALAME~

2023/10414 ~ Complete ~54:FRAMEWORK SUPPORT ~71:WILHELM LAYHER VERWALTUNGS-GMBH, Ochsenbacher Strasse 56, 74363, Güglingen-Eibensbach, Germany ~72: WOLF C BEHRBOHM~ 33:DE ~31:10 2021 112 759.9 ~32:18/05/2021

2023/10422 ~ Complete ~54:ANTI-VENOM ANTIBODIES AND USES THEREOF ~71:Centivax, Inc., 329 Oyster Point Boulevard, 3rd Floor, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: FRIEDE, Timothy Paul;GLANVILLE, Jacob E.;LIAO CHAN, Sindy Andrea;TSAO, David;WANG, I-Chieh~ 33:US ~31:63/172,782 ~32:09/04/2021

2023/10424 ~ Complete ~54:DEUTERATED DHODH INHIBITORS ~71:Immunic AG, Lochhamer Schlag 21, GRÄFELFING 82166, GERMANY, Germany ~72: GEGE, Christian;KOHLHOF, Hella;MÜHLER, Andreas;VITT, Daniel~ 33:EP ~31:21167690.3 ~32:09/04/2021;33:EP ~31:21181134.4 ~32:23/06/2021

2023/10384 ~ Complete ~54:HYDRAULIC PRESSING MECHANISM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: LI, Hao;LI, Yonglei;WANG, Songwei;WANG, Xiaoyu;WANG, Zili;XI, Zhihao;YANG, Shunli;ZHAO, Yuxia~

2023/10392 ~ Complete ~54:VENTILATION AND SMOKE EXHAUST SYSTEM FOR CONSTRUCTION TUNNEL ~71:Shandong Jianzhu University, Fengming Road, Licheng District, Jinan City, Shandong Province, People's Republic of China ~72: GAO Hanxiao;LEI Wenjun;LIU Mengzhen;WANG Fei;XU Lin;XU Tiantian;YU Junhao;ZHAO Shengzhong~ 33:CN ~31:2023100955492 ~32:10/02/2023

2023/10396 ~ Complete ~54:A MINIATURE QUANTITATIVE POLYMERASE CHAIN REACTION APPARATUS ~71:BIOSENSE TECHNOLOGIES PVT. LTD, Plot A1, 11, 12, 111,112, 211, 212, Gr. Flr. 1 &2, Building A1, Bhumi world Industrial Park, Pimplas Village, Mumbai Nashik, India ~72: ALSHI, Trushal Balkrishna;BANGA, Jatin Singh;CHATURVEDI, Rajat;PAL, Amit Rajendra Prasad;SINGHVI, Nilesh Hukmichand~ 33:IN ~31:202221051731 ~32:09/09/2022

2023/10404 ~ Complete ~54:CORYNEBACTERIUM GLUTAMICUM VARIANT HAVING IMPROVED L-LYSINE PRODUCTION ABILITY, AND METHOD FOR PRODUCING L-LYSINE USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: LEE, Han Jin;LEE, Sun Hee;LEE, Young Ju;PARK, Joon Hyun;PARK, Seok Hyun~ 33:KR ~31:10-2021-0055536 ~32:29/04/2021;33:KR ~31:10-2021-0066151 ~32:24/05/2021

2023/10385 ~ Complete ~54:NOVEL DIBENZODIAZEPINONE COMPOUNDS FOR CORROSION CONTROL AND PROCESS THEREOFF ~71:Nagaland University, Nagaland University, Lumami Headquarters, Zunheboto district, Nagaland, Nagaland, 798627, India ~72: Dr. Ambrish Singh (Nagaland University);Dr. Yuanhua Lin (Southwest Petroleum University);Kashif Rahmani Ansari (Southwest Petroleum University);Mrs. Shivani Singh (Lovely Professional University)~ 33:IN ~31:202331075763 ~32:06/11/2023

2023/10387 ~ Complete ~54:METHOD FOR DETERMINING SCOPE OF FLOOD DISASTER USING SENTINEL-1/2 ACTIVE AND PASSIVE SATELLITE IMAGES ~71:Henan University of Urban Construction, Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: DING, Leixiang;SUN, Yafei;WANG, Long;YANG, Kai;ZHANG, Juanjuan;ZHU, Jiayin~

2023/10389 ~ Complete ~54:METHOD FOR ESTABLISHING MODEL FOR PREDICTING COMPLICATIONS IN NORMAL TISSUES AND ORGANS AFTER TUMOR RADIOTHERAPY ~71:Cancer Center of Guangzhou Medical University, No. 78 Hengzhigang Road, Yuexiu District, Guangzhou, Guangdong, 510000, People's Republic of China ~72: Guoqian ZHANG;Huaiyu LEI;Liangqian GOU;Linjing WANG;Lu ZHOU;Ping LI;Ruihao WANG;Shuxu ZHANG;Shuyu WU;Yuliang LIAO~

2023/10394 ~ Complete ~54:ELECTRONIC PAYMENT SYSTEM AND RELATED METHOD ~71:UBISI, Tshegofatso, 8051-21 Broolyn Street, Beverly Hills, EVATON, 1984, Gauteng, SOUTH AFRICA, South Africa ~72: UBISI, Tshegofatso~ 33:ZA ~31:2022/08874 ~32:08/08/2022

2023/10399 ~ Complete ~54:NEMATODE SUPPRESSION ~71:BASF AGRICULTURAL SOLUTIONS SEED US LLC, 100 PARK AVENUE, FLORHAM PARK, NEW JERSEY 07932, USA, United States of America ~72: DAUM, Julia;MCCARVILLE, Michael;MOREIRA SARAIVA, Rodrigo~ 33:US ~31:63/174,191 ~32:13/04/2021

2023/10403 ~ Complete ~54:CORYNEBACTERIUM GLUTAMICUM VARIANT HAVING IMPROVED L-LYSINE PRODUCTION ABILITY, AND METHOD FOR PRODUCING L-LYSINE BY USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: CHOI, Min Jin;KIM, Bong Ki;KIM, Ha Eun;PARK, Joon Hyun;PARK, Seok Hyun~ 33:KR ~31:10-2021-0056581 ~32:30/04/2021;33:KR ~31:10-2021-0066965 ~32:25/05/2021

2023/10407 ~ Complete ~54:A METHOD FOR MANUFACTURING DIRECT REDUCED IRON ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dennis LU;Dmitri BOULANOV;George TSVIK;Jon REYES RODRIGUEZ;José BARROS LORENZO;Marcelo ANDRADE;Odile CARRIER;Sarah SALAME~ 33:IB ~31:PCT/IB2021/054583 ~32:26/05/2021

2023/10410 ~ Complete ~54:WIDE BAND DUAL-POLARIZED PLANAR ANTENNA ARRAY ~71:SAAB LTD-ABU DHABI, Tawazun Industrial Park, Al Ajban, Abu Dhabi, United Arab Emirates ~72: MOHAMED ABDELGAIED ABDELLATIF, Ibrahim~ 33:US ~31:63/186,264 ~32:10/05/2021

2023/10427 ~ Complete ~54:HOT ROLLING PRODUCTION PROCESS FOR LARGE-DIAMETER-EXPANSION ROLLED SEAMLESS TUBE ~71:XINPENGYUAN (LIAOCHENG) INTELLIGENT TECHNOLOGY CO., LTD, No. 6-3, North Weisan Road, Fenghuang Industrial Park, Dongchangfu District, Liaocheng, People's Republic of China ~72: GAO, Hairui;LI, Fengkui;WANG, Jun;WANG, Shengyong;ZHANG, Shibao~ 33:CN ~31:202210966200.7 ~32:12/08/2022

2023/10379 ~ Provisional ~54:A COVERING DEVICE ~71:VAN DEN BERG, Jan, Dirk, Johannes, 22 CYPRESS CRESCENT, JIM FOUCHEPARK, WELKOM, SOUTH AFRICA, South Africa ~72: VAN DEN BERG, Jan, Dirk, Johannes~

2023/10397 ~ Complete ~54:FUEL COMPOSITION FOR COMBUSTION ~71:The Trustees for the time being of the KMN FULFILMENT TRUST, 8 Kestrel Street, Ebotse Golf Estate, Rynfield, BENONI 1504, SOUTH AFRICA, South Africa ~72: MAKGERU, Kabu Walter~ 33:ZA ~31:2021/05246 ~32:26/07/2021;33:ZA ~31:2021/05855 ~32:17/08/2021

2023/10405 ~ Complete ~54:CORYNEBACTERIUM GLUTAMICUM VARIANT WITH IMPROVED L-LYSINE PRODUCTION ABILITY, AND METHOD FOR PRODUCING L-LYSINE USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: HONG, In Pyo;KIM, Ha Eun;LEE, Sun Hee;PARK, Joon Hyun;PARK, Seok Hyun~ 33:KR ~31:10-2021-0056580 ~32:30/04/2021;33:KR ~31:10-2021-0067391 ~32:26/05/2021

2023/10417 ~ Complete ~54:HIGH MOISTURE SILICA GEL SOAP BARS AND PROCESS FOR PREPARING THE SAME ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AMALENDU BANGAL;CHANDRA SEKHAR GHOSH;MEENA RAJAN;SUDIPTA GHOSH DASTIDAR~ 33:IN ~31:202121025987 ~32:10/06/2021;33:EP ~31:21187455.7 ~32:23/07/2021

2023/10423 ~ Complete ~54:ANTIBODIES AGAINST ILT4, BISPECIFIC ANTI-ILT4/PD-L1 ANTIBODY AND USES THEREOF ~71:Celldex Therapeutics, Inc., 53 Frontage Road, Suite 220, HAMPTON 08827, NJ, USA, United States of America ~72: GOLDSTEIN, Joel;KELER, Tibor;MURPHY, Michael B.;O'NEILL, Thomas;VITALE, Laura A.~ 33:US ~31:63/172,997 ~32:09/04/2021

2023/10380 ~ Provisional ~54:LIQUID RING VACUUM SYSTEM ~71:TRIPPLE STONE TRADING (PTY) LTD., 30 Frangipani Avenue, SAFARI GARDEN, Rustenburg 0299 , North West, SOUTH AFRICA, South Africa ~72: van JAARSVELD, Dawid Timothy~

2023/10382 ~ Provisional ~54:SYSTEM AND METHOD FOR AI-ASSISTED TIME ESTIMATION ~71:PIXELFAERIE LIMITED, 19 Triq San Mark, Malta ~72: GOMEZ JIMENEZ, Eamonn Tadhg~

2023/10408 ~ Complete ~54:MEDICAL PENETRATION DEVICE AND SYSTEM ~71:BEIJING SIGHTNOVO MEDICAL TECHNOLOGY CO., LTD, Suite 228, Unit A, Building 2, Global Health Innovation Center, No.1 Yongtaizhuang North Road, Haidian District, People's Republic of China ~72: LI, Chuan;SUN, Yueguang;XIA, Chaoran;ZHAO, Chan~ 33:CN ~31:PCT/CN2021/093646 ~32:13/05/2021

2023/10416 ~ Complete ~54:COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: BALU KUNJUPILLAI;RACHANA SANKAR~ 33:IN ~31:202121023323 ~32:25/05/2021;33:EP ~31:21184149.9 ~32:07/07/2021

2023/10421 ~ Complete ~54:MESENCHYMAL STEM CELLS FOR USE IN THE TREATMENT OF SKIN DEFECTS ~71:XINTELA AB, Medicon Village, Sweden ~72: ELMASRY, Moustafa;ELSERAFY, Ahmed;LIM, Hooi Ching;LUNDGREN ÅKERLUND, Evy;SJÖBERG, Folke~ 33:EP ~31:21174929.6 ~32:20/05/2021

2023/10413 ~ Complete ~54:SPINDLE STRUT ~71:WILHELM LAYHER VERWALTUNGS-GMBH, Ochsenbacher Strasse 56, 74363, Güglingen-Eibensbach, Germany ~72: WOLF C BEHRBOHM~ 33:DE ~31:10 2021 112 760.2 ~32:18/05/2021

2023/10415 ~ Complete ~54:IMPROVED METHODS AND CELLS FOR INCREASING ENZYME ACTIVITY AND PRODUCTION OF INSECT PHEROMONES ~71:FMC AGRICULTURAL SOLUTIONS A/S, Thyborønvej 78 Rønland 7673 Harboøre, Denmark ~72: CARINA HOLKENBRINK;IRINA BORODINA;KANCHANA RUEKSOMTAWIN KILDEGAARD;KAROLIS PETKEVICIUS;LEONIE WENNING~ 33:EP ~31:21173017.1 ~32:10/05/2021

2023/10420 ~ Complete ~54:ANTIBODIES FOR THE TREATMENT AND PREVENTION OF COVID-19 AND EMERGING VARIANTS ~71:THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, 412 Low Memorial Library 535 West 116th Street, New York, New York, 10027, United States of America ~72: DAVID D HO;MANOJ S NAIR;YAOXING HUANG~ 33:US ~31:63/181,138 ~32:28/04/2021

2023/10457 ~ Provisional ~54:GRAVITATIONAL ELECTRIC POWER GENERATOR ~71:KELVIN BESTER, 131 VAN RENSBURG STREET PARKTOWN ESTATE, South Africa ~72: KELVIN BESTER~

2023/10381 ~ Provisional ~54:DIVORCE DNA ~71:NQOBILE NICHOLUS MIRACLES MABENA, 1631 ANGLO GOLD AVENUE GROOTVLEI ESTATE SPRINGS, SPRINGS, South Africa ~72: NQOBILE NICHOLUS MIRACLES MABENA~

2023/10386 ~ Complete ~54:SOIL AND WATER LOSS GOVERNANCE CONTROL DEVICE FOR SMALL WATERSHEDS IN KARST REGIONS ~71:GUILIN UNIVERSITY OF TECHNOLOGY, NO.12 JIANGAN ROAD, People's Republic of China ~72: CHEN, Junhong;FANG, Rongjie;QIN, Zhanbo;YU, Hui;ZHANG, Shuaipu~

2023/10390 ~ Complete ~54:ISOLATION TYPE FLEXIBLE FAULT CURRENT LIMITER AND CONTROL METHOD THEREOF ~71:Fuzhou University, No. 2, Wulongjiang North Avenue, Shangjie Town, Minhou County, Fuzhou City, Fujian Province, People's Republic of China ~72: HUANG, Wenfeng;HUANG, Yuncong;LIU, Baojin;LIU, Wanling;WANG, Weidong;YANG, Fan;ZHANG, Hongwei;ZHENG, Feng~ 33:CN ~31:2023113523764 ~32:18/10/2023

2023/10406 ~ Complete ~54:RADIOPHARMACEUTICAL SOMATOSTATIN RECEPTOR LIGANDS AND PRECURSORS THEREOF ~71:TECHNISCHE UNIVERSITÄT MÜNCHEN, ARCISSTRAßE 21, D-80333, MÜNCHEN, GERMANY, Germany ~72: FAHNAUER, Markus, Frederik;PARZINGER, Mara;WESTER, Hans-Jürgen~ 33:EP ~31:21173849.7 ~32:14/05/2021

2023/10412 ~ Complete ~54:MEDICAL PENETRATION AND DRAINAGE FOR GLAUCOMA TREATMENT ~71:BEIJING SIGHTNOVO MEDICAL TECHNOLOGY CO., LTD, Suite 228, Unit A, Building 2, Global Health Innovation Center, No.1 Yongtaizhuang North Road, Haidian District, People's Republic of China ~72: LI, Chuan;SUN, Yueguang;XIA, Chaoran;ZHAO, Chan~ 33:CN ~31:PCT/CN2021/093650 ~32:13/05/2021

2023/10418 ~ Complete ~54:CARBONATION MACHINE WITH ROTATABLE CARBONATION HEAD ~71:SODASTREAM INDUSTRIES LTD., 1 Atir Yeda Street, Kfar Saba, 4464301, Israel ~72: ALLAN RING;AVI COHEN;DORON KROM;EYAL SHMUELI;HAGAI HARDUFF;MICHAEL BURSAK;MICHAEL TSINZOVSKY;OREN SHALEV~ 33:US ~31:17/340,092 ~32:07/06/2021

2023/10425 ~ Complete ~54:CORONAVIRUS AND INFLUENZA COMPOSITIONS AND METHODS FOR USING THEM ~71:Novavax, Inc., 21 Firstfield Road, GAITHERSBURG 20878 , MD, USA, United States of America ~72: FRIES, Louis;GUEBRE-XABIER, Mimi;MASSARE, Michael J.;PATEL, Nita;PORTNOFF, Alyse D.;SHINDE, Vivek;SMITH, Gale;TIAN, Jing-Hui;ZHOU, Bin~ 33:US ~31:63/184,727 ~32:05/05/2021;33:US ~31:63/193,356 ~32:26/05/2021;33:US ~31:63/255,685 ~32:14/10/2021;33:US ~31:63/332,537 ~32:19/04/2022

. - APPLIED ON 2023/11/09 -

2023/10433 ~ Complete ~54:FOOD PROCESSOR AND FOOD PROCESSING UNIT ~71:NEXTGENFOODS (PTY) LTD, SECTION 1, BUILDING 1, 22 OOSTERLAND STREET, DALJOSAPHAT, PAARL, 7646, SOUTH AFRICA, South Africa ~72: TERBLANCHE, Petrus, Wilhelm~ 33:ZA ~31:2022/10749 ~32:29/09/2022

2023/10437 ~ Complete ~54:COCKPIT STRUCTURE FOR AMUSEMENT EQUIPMENT ~71:YueYang Vocational Technical College, Xueyuan Road, Yueyang City, Hunan Province, 414000, People's Republic of China ~72: Fang Jianhui;Fei Xifang~ 33:CN ~31:202310185091.X ~32:01/03/2023

2023/10452 ~ Complete ~54:ELECTROLYSIS UNIT FOR A FILTER-PRESS-TYPE ELECTROLYSER ~71:JOHN COCKERILL HYDROGEN BELGIUM, Rue Jean Potier 1, 4100, Seraing, Belgium ~72: LUC VAN HEE;PIERRE BANASZAK;SÉBASTIEN BORGUET~ 33:CN ~31:202110479725.3 ~32:30/04/2021;33:CN ~31:202120941513.8 ~32:30/04/2021

2023/10463 ~ Complete ~54:AUTONOMOUS SWITCHING SYSTEM AND SWITCHING METHOD FOR VEHICLE-MOUNTED ACCESSORIES OF MULTI-FUNCTIONAL RESCUE VEHICLES ~71:YANSHAN UNIVERSITY, No. 438 West Hebei Avenue, Haigang District, Qinhuangdao, People's Republic of China ~72: LI, Jun;LIANG, Xiaotian;NIU, Jianye;WANG, Hongbo;WANG, Zehua;YU, Hongfei;ZHOU, Shengxia~ 33:CN ~31:202311351591.2 ~32:18/10/2023

2023/10428 ~ Provisional ~54:AN ALARM RESPONSE SYSTEM ~71:THREE FACE MARKETING (PTY) LTD, 5 Gail Road, Morningside, Sandton, South Africa ~72: BECK, Eugene Webb~

2023/10432 ~ Complete ~54:A CYLINDER COMBUSTION TYPE INTERNAL COMBUSTION ENGINE AND WORKING METHOD THEREOF ~71:Nantong University, No.9, Siyuan Road, Chongchuan District, Nantong City, Jiangsu Province, 226019, People's Republic of China ~72: Ce JI;Chengyao ZHANG;Peiyong NI;Xuewen ZHANG;Yunxiao DONG~ 33:CN ~31:2023104504891 ~32:24/04/2023

2023/10446 ~ Complete ~54:AIR-GROUND CO-FREQUENCY SYSTEM INTERFERENCE SUPPRESSION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND READABLE MEDIUM ~71:ZTE Corporation, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, SHENZHEN 518057, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: LI, Bin;WU, Feng~ 33:CN ~31:202110547060.5 ~32:19/05/2021

2023/10451 ~ Complete ~54:THREE-DIMENSIONAL AUDIO SIGNAL CODING METHOD AND APPARATUS, AND ENCODER ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: GAO, Yuan;LIU, Shuai;WANG, Bin;WANG, Zhe~ 33:CN ~31:202110536634.9 ~32:17/05/2021

2023/10430 ~ Complete ~54:PREPARATION METHOD OF POLYCAPROLACTONE POLYOLS USING 1,3,5-CYCLOHEXANETRIOL AS INITIATOR ALCOHOL ~71:Yunnan Minzu University, No.2929 Yuehua Street, Chenggong District, Kunming City, Yunnan Province, People's Republic of China ~72: JIANG Dengbang;JIANG Lin;LI Hongli;YUAN Minglong;YUAN Mingwei~

2023/10442 ~ Complete ~54:CONTAINER CLOSURE ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, Austria ~72: Franz-Michael LÄSSER;Jürgen BICKEL~ 33:CH ~31:00592/21 ~32:26/05/2021

2023/10448 ~ Complete ~54:SYSTEM AND METHOD TO PRODUCE LIQUEFIED NATURAL GAS USING TWO DISTINCT REFRIGERATION CYCLES WITH AN INTEGRAL GEAR MACHINE ~71:Praxair Technology, Inc., 10 Riverview Drive, DANBURY 06810, CT, USA, United States of America ~72: HOWARD, Henry Edward~ 33:US ~31:63/175,347 ~32:15/04/2021

2023/10444 ~ Complete ~54:METHOD FOR PARALLEL REAL-TIME SEQUENCE ANALYSIS ~71:SEQSTANT GMBH, Rheinstr. 11, Germany ~72: KNOBLOCH, Henri;LOKA, Tobias;RENARD, Bernhard~ 33:EP ~31:21174771.2 ~32:19/05/2021;33:EP ~31:21190984.1 ~32:12/08/2021

2023/10450 ~ Complete ~54:SENSOR ASSEMBLY FOR USE BETWEEN A GROUND ENGAGING TOOL AND A BUCKET ~71:Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd, Level 5, 135 Coronation Drive, MILTON 4064, QUEENSLAND, AUSTRALIA, Australia ~72: JAVADI, Mehrdad;KNOWLES, Bruce~ 33:EP ~31:21172982.7 ~32:10/05/2021

2023/10441 ~ Complete ~54:IMAGE FUSION METHOD BASED ON CAPUTO FRACTIONAL ORDER DIFFERENTIAL OPERATOR ~71:SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES, Shanghai University Of Medicine And Health Sciences, 279 Zhouzhu Road, Pudong New Area, Shanghai, 200135, People's Republic of China ~72: DHAKA, Arvind;GUO, Jiachen;NANDAL, Amita;ZHAO, Wenlong;ZHOU, Liang~

2023/10429 ~ Complete ~54:PANORAMIC LASER RADAR BASED ON MICRO-REFLECTING DEVICE ~71:RM Intelligent Technology Co., Ltd, 801-3, Building 1, Jiatong Business Building, Youchegang Town, Xiuzhou District, Jiaxing City, Zhejiang Province, People's Republic of China ~72: CAO Jie;CHEN Honglin;CHEN Siyang;WANG Zhongshan;ZHAO Quanchao~ 33:CN ~31:2022116149241 ~32:15/12/2022

2023/10431 ~ Complete ~54:NATURAL COMPOUND FEED ADDITIVE FOR REMOVING RESIDUAL TOXIC METALS ~71:Northeast Agricultural University, No. 59, Mucai Street, Xiangfang District, Harbin City, Heilongjiang Province, 150030, People's Republic of China ~72: CAO, Ziling;HAN, Biqi;LI, Jiayi;LI, Miaomiao;LI, Siyu;LIU, Dongfang;LIU, Yunfeng;LV, Zhanjun;SONG, Kaiwei;YANG, Xu;ZHANG, Zhigang~

2023/10434 ~ Complete ~54:DRIP IRRIGATION AND WATER-FERTILIZER INTEGRATED CULTIVATION METHOD FOR WINTER WHEAT-SUMMER CORN ROTATION IN SALINE-ALKALI LAND ~71:DONGYING YELLOW RIVER DELTA MODERN AGRICULTURE RESEARCH CENTER, YELLOW RIVER DELTA MODERN AGRICULTURAL EXPERIMENTAL DEMONSTRATION BASE, People's Republic of China;NATIONAL CENTER OF TECHNOLOGY INNOVATION FOR COMPREHENSIVE UTILIZATION OF SALINE-ALKALI LAND, NO. 8, WISDOM ROAD, People's Republic of China;SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, NO. 202 GONGYE NORTH ROAD, People's Republic of China;SHANDONG AGRICULTURAL UNIVERSITY, NO. 61 DAIZONG STREET, People's Republic of China ~72: LI, Bowen;LI, Quanqi;LIU, Shenglin;LIU, Zhaohui;MA, Changjian;SONG, Peng;SUN, Zeqiang;WANG, Xuejun;XIAO, Yang;YUAN, Huabin~

2023/10435 ~ Complete ~54:HIGHLY ACTIVE COMPOUNDS AGAINST COVID-19 ~71:ATEA PHARMACEUTICALS, INC., 125 Summer Street, Boston, Massachusetts, 02110, United States of America ~72: ADEL MOUSSA;JEAN-PIERRE SOMMADOSSI~ 33:US ~31:62/982,670 ~32:27/02/2020;33:US ~31:62/994,206 ~32:24/03/2020;33:US ~31:63/032,247 ~32:29/05/2020;33:US ~31:63/039,352 ~32:15/06/2020;33:US ~31:63/040,985 ~32:18/06/2020;33:US ~31:63/054,680 ~32:21/07/2020;33:US ~31:63/073,328 ~32:01/09/2020;33:US ~31:63/146,456 ~32:05/02/2021

2023/10438 ~ Complete ~54:DRAINAGE DEVICE FOR HEPATOBILIARY SURGERY ~71:NANYANG FIRST PEOPLE'S HOSPITAL, No. 12 Renmin Road, Wancheng District, Nanyang City, Henan Province, 473000, People's Republic of China ~72: Li Mengke;Li Yuan~

2023/10453 ~ Complete ~54:HETEROCYCLIC COMPOUND AND RESISTANT HARMFUL ARTHROPOD-CONTROLLING METHOD FOR COMPOSITION CONTAINING SAME ~71:SUMITOMO CHEMICAL COMPANY, LIMITED, 2-7-1 Nihonbashi Chuo-ku, Tokyo, 103-6020, Japan ~72: HIDEMITSU MINEGISHI;HIROTO TAMASHIMA;MASAYUKI TASHIRO;TAKAYUKI SHIODA;YASUMASA SAITO~ 33:JP ~31:2021-107328 ~32:29/06/2021

2023/10436 ~ Complete ~54:STABLE CAST-IN-PLACE FORMWORK STRUCTURE FOR SPLAYED PIER BODY TOP ~71:The Third Construction CO., LTD of China Construction Third Engineering Bureau, No. 552, First road of Guanshan, Hongshan District, Wuhan City, Hubei Province, People's Republic of China ~72: Manhe Zhang;Yeguang Fan;Yunchang Zhu;Yunhao Du;Zhidong Fan~ 33:CN ~31:202211650492X ~32:21/12/2022

2023/10439 ~ Complete ~54:RECTIFICATION DEVICE FOR IMPROVING RECTIFICATION PURITY ~71:Hebei Chemical and Pharmaceutical College, No. 88 Fangxing Road, Shijiazhuang City, Hebei Province, 050000, People's Republic of China ~72: He Xiaoyun~

2023/10454 ~ Complete ~54:INTELLIGENT CONTENT PUBLICITY SYSTEM ~71:Anhui Science And Technology University, No. 9 Donghua Road, Fengyang County, Chuzhou City, People's Republic of China ~72: Jia Weidong;Li Xinwei;Shang Lei;Wang Yajun~ 33:CN ~31:2023105469081 ~32:16/05/2023

2023/10440 ~ Complete ~54:EXTRACTION DEVICE FOR IMPROVING EXTRACTION EFFICIENCY ~71:Hebei Chemical and Pharmaceutical College, No. 88 Fangxing Road, Shijiazhuang City, Hebei Province, 050000, People's Republic of China ~72: He Xiaoyun;Zhang Zhiyan~

2023/10455 ~ Complete ~54:A METHOD OF IMPROVING STABILITY OF AN ANTIBODY FORMULATION ~71:DR. REDDY'S LABORATORIES LIMITED, 8-2-337, Road No. 3, Banjara Hills, Hyderabad, India ~72:

GHOSH, Shrija;INGALE, Mahesh;JAYARAMAN, Murali;LABALA, Suman;R. L., Shri Ranga Priya;SAHA, Ananya;VASUDEO PAKHALE, Swapnil~ 33:IN ~31:202141020878 ~32:07/05/2021

2023/10459 ~ Provisional ~54:THE KHOI COIN ~71:LEONARD PETERSEN FAMILY TRUST I/T132/2004, 45 30TH AVE, ELSIES RIVER, CAPE TOWN, South Africa ~72: LEONARD PETERSEN~

2023/10456 ~ Complete ~54:ENGINEERED ANTI-IL-2 ANTIBODIES ~71:AULOS BIOSCIENCE, INC, 245 Main Street, 12th Floor Cambridge, United States of America ~72: AMIT, Inbar;BARAK FUCHS, Reut;BLUVSHTEIN YERMOLAEV, Olga;FISCHMAN, Sharon;GROSSMAN, Noam;LEVIN, Itay;LEVITIN, Natalia;NIMROD, Guy;OFRAN, Yanay;SASSON, Yehezkel;WYANT, Timothy;ZHENIN, Michael;ŠTRAJBL, Marek~ 33:US ~31:62/977,292 ~32:16/02/2020;33:US ~31:63/139,315 ~32:20/01/2021

2023/10443 ~ Complete ~54:FLUID FLOW THROTTLE VALVE ~71:SOLAR WATER SOLUTIONS OY, KEILARANTA 1, 02150 ESPOO, FINLAND, Finland ~72: POHJOLA, Heikki~ 33:FI ~31:20215438 ~32:13/04/2021

2023/10447 ~ Complete ~54:SYSTEM AND METHOD TO PRODUCE LIQUEFIED NATURAL GAS USING TWO DISTINCT REFRIGERATION CYCLES WITH AN INTEGRAL GEAR MACHINE ~71:Praxair Technology, Inc., 10 Riverview Drive, DANBURY 06810, CT, USA, United States of America ~72: HOWARD, Henry Edward~ 33:US ~31:63/175,207 ~32:15/04/2021

2023/10445 ~ Complete ~54:PIPELINE ASSEMBLY AND MANUFACTURING METHOD THEREFOR ~71:S. RATNAM, Sri Skanda Rajah, Unit B-27-05, KM1 East Residency, Jalan Jalil Perkasa 1, Bukit Jalil, Malaysia ~72: S. RATNAM, Sri Skanda Rajah~ 33:MY ~31:PI2021002637 ~32:11/05/2021

2023/10449 ~ Complete ~54:A POLYMERIC MATERIAL COMPOSITION ~71:UPL Limited, 610 B/2, Bandra Village, Off Western Express Highway, Bandra (East), MUMBAI 400 051, INDIA, India ~72: SHIRSAT, Rajan Ramakant;WAGH, Pradip Dattatray~ 33:IN ~31:202121021117 ~32:10/05/2021

2023/10458 ~ Provisional ~54:COOKING APPARATUS WATERLESS POTS ELECTRICAL POTS STAINLESS STEEL POLTS ~71:LEONARD PETERSEN FAMILY TRUST I/T132/2004, 45 30TH AVE, ELSIES RIVER, CAPE TOWN, South Africa ~72: LEONARD PETERSEN~

. - APPLIED ON 2023/11/10 -

2023/10480 ~ Complete ~54:WATER QUALITY IMAGE ANALYSIS METHOD AND SYSTEM BASED ON DEEP LEARNING, AND DEVICE AND MEDIUM ~71:CINF ENGINEERING CO., LTD., 299# Mulian (East) Road, Yuhua District, Changsha, Hunan, 410019, People's Republic of China ~72: FENG YAN;JINGYA YANG;XIANGJI ZENG;XIANGTIAN TAN;YAN PAN~

2023/10483 ~ Complete ~54:SYSTEMS AND METHODS FOR HYBRID AUTOMATIC REPEAT REQUEST ACKNOWLEDGEMENT PROCEDURE AND TRANSMISSION CONFIGURATION INDICATOR APPLICATION TIMELINE FOR BEAM 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;ZHAOHUA LU~

2023/10487 ~ Complete ~54:COMBINATION THERAPIES ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: BHOGAL, Balpreet;CAI, Wei;DAI, Xuedong;DARVILLE, Nicolas Freddy J.;DASKALAKIS, Nikki;DENG, Xiangjun;FANG, Lichao;FERRANTE, Lucille Angela;FU, Liqiang;GUTTKE, Christina Diane;KWON, Min Chul;LI, Ming;LIU, Lianzhu;LIU, Yingtao;NG, Alicia Tee Fuay;PACKMAN, Kathryn Elizabeth;PANDE, Vineet;PHILIPPAR, Ulrike;PIETSCH, Eva Christine;QUEROLLE, Olivier Alexis Georges;SUN,

Yu;THURING, Johannes Wilhelmus J.;VERHULST, Tinne Ann J.;XU, Yanping~ 33:IB ~31:2021/093036 ~32:11/05/2021;33:IB ~31:2021/100523 ~32:17/06/2021;33:IB ~31:2022/086004 ~32:11/04/2022

2023/10465 ~ Complete ~54:INTELLIGENT ENGLISH TEACHING SYSTEM FOR ENGLISH TEACHING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Dongxia;GUO Yanli;JING Liya;LI Nan;LUO Mengyang;WANG Li;WANG Wenping;WANG Yan~

2023/10468 ~ Complete ~54:ELECTRIC VEHICLE CHARGER SUITABLE FOR SINGLE PHASE, INCONSISTENT POWER SOURCES ~71:One Three Energy, Inc., 5460 Muddy Creek Road, CINCINNATI 45238, OH, USA, United States of America ~72: FRIESEN, Dale;YORK, Gregory~ 33:US ~31:63/481,324 ~32:24/01/2023;33:US ~31:63/481,332 ~32:24/01/2023;33:US ~31:63/481,342 ~32:24/01/2023

2023/10473 ~ Complete ~54:A FAULT IDENTIFICATION DEVICE FOR STABILITY MAINTENANCE FOR POWER STATION OPERATION AND MAINTENANCE ~71:Anhui Lutai Electric Technology Co., Ltd, No.12401, Haixinsha Building, Pihe Road, Jin'an District, Lu'an City, Anhui Province, 237010, People's Republic of China ~72: Fuchun Qin;Nianchun Qin~

2023/10482 ~ Complete ~54:METHODS FOR LIBERATING PRECIOUS METALS USING A REAGENT HAVING A THIOCARBONYL FUNCTIONAL GROUP ~71:JETTI RESOURCES, LLC, 2010 8th Street, Boulder, California, 80302, United States of America ~72: AHMAD GHAHREMAN;DAVID G DIXON;EDOUARD ASSELIN;NELSON MORA HUERTAS;ZIHE REN~ 33:US ~31:63/189,649 ~32:17/05/2021

2023/10484 ~ Complete ~54:REPORTING FREQUENCY AND DOPPLER PARAMETERS FOR COHERENT JOINT TRANSMISSION (CJT) AND MOBILITY ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: BO GAO;MENG MEI;MINQIANG ZOU;WENJUN YAN;ZHAOHUA LU~

2023/10491 ~ Complete ~54:FRACTIONATION OF CRUDE TALL OIL ~71:Stora Enso OYJ, P.O. Box 309, HELSINKI 00101, FINLAND, Finland ~72: KAVAKKA, Jari;TORSSELL, Staffan~ 33:SE ~31:2150817-1 ~32:24/06/2021

2023/10495 ~ Complete ~54:METHODS FOR TREATING, AMELIORATING OR PREVENTING INFECTIONS USING DRUG AND VACCINATION COMBINATION TREATMENT ~71:TOPELIA AUST LIMITED (ACN 652 771 670), Level 1, 229 Great North Road Five Dock, Australia ~72: BORODY, Thomas Julius;DOLAI, Sibasish~ 33:US ~31:63/186,660 ~32:10/05/2021;33:US ~31:63/188,311 ~32:13/05/2021;33:US ~31:63/214,997 ~32:25/06/2021;33:US ~31:63/223,427 ~32:19/07/2021;33:US ~31:63/241,485 ~32:07/09/2021;33:US ~31:63/253,813 ~32:08/10/2021;33:US ~31:63/273,069 ~32:28/10/2021;33:US ~31:17/525,775 ~32:12/11/2021;33:US ~31:63/329,795 ~32:11/04/2022;33:US ~31:63/331,432 ~32:15/04/2022

2023/10461 ~ Provisional ~54:SKIP ~71:WERKMAN ENGINEERING (PTY) LTD., 7 Industria Street Potchindustria, Potchefstroom, North West Province, 2531, South Africa ~72: BEREND WERKMAN~

2023/10472 ~ Complete ~54:COMPOSITIONS AND METHODS FOR IMPROVED PROTEIN TRANSLATION FROM RECOMBINANT CIRCULAR RNAS ~71:THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, Office of the General Counsel Building 170, 3rd Floor, Main Quad, P.O. Box 20386, United States of America ~72: CHANG, Howard Y.;CHEN, Chun-Kan;CHEN, Robert~ 33:US ~31:63/215,102 ~32:25/06/2021;33:US ~31:63/232,324 ~32:12/08/2021;33:US ~31:63/320,954 ~32:17/03/2022;33:US ~31:63/353,109 ~32:17/06/2022

2023/10475 ~ Complete ~54:PYTHON-BASED METHOD FOR AUTOMATICALLY GENERATING LOAD LAYOUT CURVE DOCUMENTS IN BATCHES ~71:CATARC Automotive Test Center (Wuhan) Co., Ltd., No.55, Zhuanyang Avenue,Wuhan Economic and Technological Development Zone, Wuhan City, Hubei Province, 430058, People's Republic of China ~72: CHEN Tao;GU Jinxiang;LIU Dongwei;SUN Sihan;TANG Ke;WANG Xu;WEI Wei~ 33:CN ~31:2022104752026 ~32:29/04/2022

2023/10485 ~ Complete ~54:TUMOR INFILTRATING LYMPHOCYTES THERAPY ~71:Alethia Biotherapeutics Inc., 141 President-Kennedy Avenue, Suite SB-5100, MONTRÉAL H2X 1Y4, QUÉBEC, CANADA, Canada ~72: FILION, Mario~ 33:US ~31:63/180,279 ~32:27/04/2021

2023/10520 ~ Complete ~54:DIACYLGLYERCOL KINASE MODULATING COMPOUNDS ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, United States of America ~72: GRAUPE, MICHAEL;GUERRERO, JUAN A.;HOLMBO, STEPHEN D.;JACOBSEN, JESSE M.;KOBAYASHI, TETSUYA;PATEL, LEENA B.;WEAVER, HEATH A.;XU, JIE;YEUNG, SUET C.~ 33:US ~31:63/213,893 ~32:23/06/2021

2023/10460 ~ Provisional ~54:A HOUSING ~71:HYTRONIC (PTY) LTD, CORNER OF STANLEY AND MAX STREETS, KNIGHTS, GERMISTON, 1401, GAUTENG, SOUTH AFRICA, South Africa ~72: SOUVARIS, Donovan, Donald~

2023/10462 ~ Provisional ~54:AN ACCESSORY FOR A CABLE TIE ~71:VAN DEN BERG, Jan, Dirk, Johannes, 22 CYPRESS CRESCENT, JIM FOUCHEPARK, WELKOM, SOUTH AFRICA, South Africa ~72: VAN DEN BERG, Jan, Dirk, Johannes~

2023/10469 ~ Complete ~54:SHOCKPROOF REINFORCED STRUCTURE ~71:Boyu (Sanmen County) Bidding Co., Ltd., Room 205, 2nd Floor, No. 1 Xingye Street (Sanmen Decoration City Building), Hairun Street, Sanmen County, Taizhou City, Zhejiang Province, 317199, People's Republic of China;Taizhou Boyu Digital Technology Co., Ltd., Room 1021, 10th Floor, Social Development Group, No. 201, East Section of Shifu Avenue, Haimen Street, Jiaojiang District, 31800, People's Republic of China;Taizhou Vocational & Technical College, 788 Jiaojiang Xueyuan Road, Taizhou City, Zhejiang Province, 31800, People's Republic of China ~72: Li Jiaxuan;Wang Yucheng;Yin Jinlin;Ying Danlei;Zhang Shengjie;Zhou Yihao~

2023/10471 ~ Complete ~54:SELECTIVE TARGETING OF HOST CD70+ ALLOREACTIVE CELLS TO PROLONG ALLOGENEIC CAR T CELL PERSISTENCE ~71:ALLOGENE THERAPEUTICS, INC., 210 East Grand Avenue, South San Francisco, United States of America ~72: LANG, Shanshan;LAURON, Elvin J.;PANOWSKI, Siler;SASU, Barbra Johnson;SOMMER, Cesar Adolfo;SRIVATSA SRINIVASAN, Surabhi;VAN BLARCOM, Thomas John~ 33:US ~31:63/210,979 ~32:15/06/2021;33:US ~31:63/351,223 ~32:10/06/2022

2023/10474 ~ Complete ~54:A HYBRID ENERGY STORAGE SYSTEM DEVICE FOR ELECTRIC VEHICLE POWER SUPPLY ~71:West Anhui University, Yueliang Island, Yu'an District, Lu'an City, Anhui Province, 237012, People's Republic of China ~72: Chengling Lu;Chengtao Du;Gang Zhang;Jie Fang;Jinsi Zhang;Lei Zhang;Xuejuan Wu~

2023/10479 ~ Complete ~54:INTEGRATED MOLECULAR AND GLYCO-ENGINEERING OF COMPLEX VIRAL GLYCOPROTEINS ~71:UNIVERSITY OF CAPE TOWN, Lovers Walk, Rondebosch, Cape Town, 7700, South Africa;UNIVERSITY OF NATURAL RESOURCES AND LIFE SCIENCES VIENNA (BOKU), Gregor-Mendel-Straße 33, 1180, Wien, Austria ~72: EDWARD PETER RYBICKI;EMMANUEL AUBREY MARGOLIN;RICHARD STRASSER~ 33:GB ~31:2106659.2 ~32:10/05/2021

2023/10489 ~ Complete ~54:COMBINATION THERAPIES ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: ALI-AHMED, Sumia;BHOGAL, Balpreet;CAI, Wei;DAI,

Xuedong;DARVILLE, Nicolas Freddy J.;DASKALAKIS, Nikki;DENG, Xiangjun;FANG, Lichao;FERRANTE, Lucille Angela;FU, Liqiang;GUTTKE, Christina Diane;KWON, Min Chul;LI, Ming;LIU, Lianzhu;LIU, Yingtao;NG, Alicia Tee Fuay;PACKMAN, Kathryn Elizabeth;PANDE, Vineet;PHILIPPAR, Ulrike;PIETSCH, Eva Christine;QUEROLLE, Olivier Alexis Georges;SUN, Yu;THURING, Johannes Wilhelmus J.;VERHULST, Tinne Ann J.;XU, Yanping~ 33:IB ~31:2021/093036 ~32:11/05/2021;33:IB ~31:2021/100522 ~32:17/06/2021;33:IB ~31:2021/100523 ~32:17/06/2021;33:IB ~31:2022/086003 ~32:11/04/2022;33:IB ~31:2022/086004 ~32:11/04/2022

2023/10464 ~ Complete ~54:AN ANTI-FATIGUE LYCIUM BARBARUM L EFFERVESCENT TABLETS, AND ITS PREPARATION METHOD AND APPLICATION ~71:Qinghai university, No. 251, Ningda Road, Chengbei District, Xining, Qinghai, 810016, People's Republic of China ~72: Hu Ke;Peng Yanfeng;Yang Yongjing;Zhai Yuqing;Zhang Benyin;Zhang Dejun;Zhang Xiaofeng~ 33:CN ~31:2023100494000 ~32:01/02/2023

2023/10466 ~ Complete ~54:A FRUIT AND VEGETABLE FRESH-KEEPING SPONTANEOUS CONTROLLED ATMOSPHERE STORAGE DEVICE ~71:Lvliang Changqing Agriculture and Animal Husbandry Technology Co., Ltd., Duan Cheng Village,Liu Hulan Town, Wenshui County, Lvliang City, Shanxi Province, 032100, People's Republic of China;Rural Investigation Institute of Shanxi Agricultural University, No. 81, Longcheng Avenue, Xiaodian District, Taiyuan City, Shanxi Province, 030031, People's Republic of China;Shanxi Donghui Modern Agricultural Development Group Co., Ltd., Donghui Modern Agricultural Park,Fancun Town, Taigu District, Jinzhong City, Shanxi Province, People's Republic of China ~72: Feng LIU;Miao ZHANG;Xiaoyu ZHANG;Yan HE;Yingchao MENG~

2023/10492 ~ Complete ~54:ORGANOSILANE-MODIFIED ORGANIC FILLERS AND RUBBER COMPOSITIONS CONTAINING SAID FILLERS ~71:SunCoal Industries GmbH, Rudolf-Diesel-Strasse 15, LUDWIGSFELDE 14974, GERMANY, Germany ~72: PODSCHUN, Jacob;SCHMAUCKS, Gerd;SCHWAIGER, Bernhard;WITTMANN, Tobias~ 33:EP ~31:21174918.9 ~32:20/05/2021

2023/10494 ~ Complete ~54:PRISTINAMYCIN IA AND FLOPRISTIN COMBINATIONS IN TREATING OR PREVENTING BACTERIAL INFECTIONS ~71:AIMMAX THERAPEUTICS, INC., 4220 Apex Highway, Suite 140, United States of America ~72: KEEDY, Kara S.;WANG, Laurene~ 33:US ~31:63/192,564 ~32:24/05/2021

2023/10496 ~ Provisional ~54:SELF-DRIVEN GENERATOR ~71:MANDY MSWELI, FLAT 408, PARK GARDENS, 513 LILLIAN NGOYI STREET, PRETORIA CENTRAL, South Africa ~72: MANDY MSWELI~

2023/10481 ~ Complete ~54:OPTIMIZING CARBON MONOXIDE PRODUCTION FROM HETEROGENEOUS FEEDSTOCK ~71:ENERKEM INC., 1130 Sherbrooke Street West, Montreal, Québec, H3A 2M8, Canada ~72: FRÉDÉRIC ST-ONGE;JEAN-PIERRE CRETE;LOUIS DENOMME;XENIYA SAVELYEVA~ 33:US ~31:63/185,482 ~32:07/05/2021

2023/10486 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING PEDIATRIC MYASTHENIA GRAVIS ~71:Momenta Pharmaceuticals, Inc., 1125 Trenton-Harbourton Road, TITUSVILLE 08560, NJ, USA, United States of America ~72: BLACK, Shawn;RAMCHANDREN, Sindhu;ZHU, Yaowei~ 33:US ~31:63/173,919 ~32:12/04/2021;33:US ~31:63/219,155 ~32:07/07/2021;33:US ~31:63/266,880 ~32:18/01/2022

2023/10488 ~ Complete ~54:CRYSTALLINE COMPOUND OF MUSCARINIC ACETYLCHOLINE M1 RECEPTOR ANTAGONISTS ~71:Pipeline Therapeutics, Inc., 10578 Science Center Drive, Suite 200, SAN DIEGO 92121, CA, USA, United States of America ~72: BACCEI, Jill Melissa;BRAVO, Yalda;CHEN, Austin Chih-Yu;ROPPE, Jeffrey;SCHRADER, Thomas;XIONG, Yifeng~ 33:US ~31:63/174,415 ~32:13/04/2021

2023/10467 ~ Complete ~54:A BLACK AND ODOROUS WATER BOTTOM MUD REPAIRING AGENT AND AN APPLICATION METHOD THEREOF ~71:Northwest Institute of Eco-Environment and Resources, Chinese

Academy of Sciences, No. 320, West Donggang Road, Chengguan District, Lanzhou City, Gansu Province, 730000, People's Republic of China ~72: Junfeng Wang~

2023/10476 ~ Complete ~54:A METHOD FOR MANUFACTURING DIRECT REDUCED IRON ~71:24-26, Boulevard d'Avranches, Luxembourg, Luxembourg ~72: Dennis LU;Dmitri BOULANOV;George TSVIK;Jon REYES RODRIGUEZ;José BARROS LORENZO;Marcelo ANDRADE;Odile CARRIER;Sarah SALAME~

2023/10490 ~ Complete ~54:METHOD FOR RECYCLING ORE ENRICHMENT WASTE ~71:Companhia Brasileira de Alumínio, Av. Engenheiro Luiz Carlos Berrini, 105, 14º andar, Cidade Monções, SÃO PAULO SP 04571-900, BRAZIL, Brazil;Universidade Federal de Viçosa - UFV, Avenida Peter Henry Rolfs, s/n, Campus Universitário, VIÇOSA, MG, BRAZIL, Brazil ~72: BIGOGNO, Nilson Gonçalves;DA SILVA, Ivo Ribeiro;DE ANDRADE, Christian Fonseca;MOURA, Camila Botarro;SENO JUNIOR, Roberto~ 33:BR ~31:102021007039-0 ~32:13/04/2021

2023/10493 ~ Complete ~54:MACROCYCLIC COMPOUNDS AND USES THEREOF ~71:Theseus Pharmaceuticals, Inc., 245 Main Street, 2nd Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: DALGARNO, David C.;EYERMANN, Charles J.;HUANG, Wei-sheng;SHAKESPEARE, William C.~ 33:US ~31:63/187,041 ~32:11/05/2021

2023/10470 ~ Complete ~54:METHOD AND KIT FOR IDENTIFYING RESINA DRACONIS ORIGIN ~71:YUNNAN BRANCH OF INSTITUTE OF MEDICINAL PLANT DEVELOPMENT, CHINESE ACADEMY OF MEDICAL SCIENCES, 138 Xuanwei Avenue, Jinghong City, Xishuangbanna Dai, People's Republic of China ~72: BAI, Yi;DUAN, Lisheng;LI, Haitao;QI, Jianjun;QU, Lu;SONG, Meifang;TANG, Deying;WANG, Yunqiang;ZHANG, Lixia;ZHANG, Yue;ZHANG, Zhonglian~

2023/10477 ~ Complete ~54:TOILET SEAT COVER ~71:POCAI, Ricardo, Rua Coronel Pedro Pacheco, 950, Brazil ~72: POCAI, Ricardo~

2023/10478 ~ Complete ~54:INSECT, BACTERIAL, AND/OR FUNGAL CONTROL COMPOSITION ~71:ARKION LIFE SCIENCES, LLC, 551 Mews Drive, Suite J, New Castle, Delaware, 19720, United States of America ~72: HARVEY L WEAVER;KENNETH E BALLINGER;NEIL B TEEVAN;SHAWN JONES~ 33:US ~31:63/182,089 ~32:30/04/2021

. - APPLIED ON 2023/11/13 -

2023/10498 ~ Complete ~54:METHOD FOR PREPARING NANO WHITE CARBON BLACK BY COMPREHENSIVELY UTILIZING SODIUM CHLORIDE WASTEWATER ~71:Anhui Science And Technology University, No. 9, Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72: CHEN, Chen;CHEN, Junhua;CHENG, Nianshou;GUO, Yu;KE, Xiang;LI, Peili;LIU, Ning;SU, Haibo;YANG, Wanke;ZHOU, Li~

2023/10504 ~ Complete ~54:IRON-COPPER-CERIUM-BASED COMPOSITE OXYGEN CARRIER FOR CHEMICAL LOOPING COMBUSTION AND PREPARATION METHOD THEREOF ~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~

2023/10503 ~ Complete ~54:A SHADOWLESS LAMP ADJUSTMENT AND CONTROL SYSTEM ~71:Henan Children's Hospital Zhengzhou Children's Hospital, 33 Longhu Outer Ring East Road, Zhengdong New District, Zhengzhou, 450018, People's Republic of China ~72: Guo Zhanhao;Ji Zejuan;Liu Fangna;Sun Keming;Wang Junjian;Zhang Chunxu~

2023/10507 ~ Complete ~54:QUICK-ASSEMBLY INTEGRATED BATHROOM MODULE ~71:Xinyu University, No.2666 Sunshine Avenue, Gaoxin District, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Liu Guilin;Liu Yujie;Ma Caiwei;Xu Li;Zeng Wenlin;Zhong Xin~ 33:CN ~31:202311476422.1 ~32:08/11/2023

2023/10516 ~ Complete ~54:COMPRESSED AIR ENERGY STORAGE COUPLED WITH MOLTEN SALT STORAGE HEAT CONDITIONING SYSTEM AND METHOD ~71:XI'AN FENG DONG HUANENG HEATING CO.,LTD., No. 57, FengYuan Road, Fengdong New City, Xi'an City, People's Republic of China ~72: XI, Changning;ZHANG, Tao~

2023/10546 ~ Provisional ~54:CORDLESS ELECTRICAL FRAYING PAN ~71:LEONARD PETERSEN FAMILY TRUST I/T 132/2004, 45 30TH AVE, ELSIES RIVER, CAPE TOWN, South Africa ~72: LEONARD PETERSEN~

2023/10501 ~ Complete ~54:A PREPARATION METHOD OF ULTRAFINE ALUMINUM CARBIDE-MAGNESIUM REFINER ~71:Datong GOMG Technology Co., Ltd., No.2121, Yuanfeng Street, Equipment Manufacturing Industrial Park, Development Zone, Datong City, Shanxi Province, 037000, People's Republic of China ~72: Hongwei ZHU;Jianfeng HAN;Lu CAO;Tian TONG;Yunpeng GE;Zhongsheng TONG~

2023/10526 ~ Complete ~54:A METHOD FOR MANUFACTURING DIRECT REDUCED IRON ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dennis LU;Dmitri BOULANOV;George TSVIK;Jon REYES RODRIGUEZ;José BARROS LORENZO;Marcelo ANDRADE;Odile CARRIER;Sarah SALAME~ 33:IB ~31:PCT/IB2021/054751 ~32:31/05/2021

2023/10528 ~ Complete ~54:KIT AND METHOD FOR DETECTING METHYLATION OF GENES IN CERVICAL CELLS ~71:QINGDAO RUISIDE MEDICAL LABORATORY CO., LTD., 3F, Building 7, Incubation Center, Qingdao Blue Biological Medicine Industrial Park, NO. 368 Hedong Road, High-tech Zone, Qingdao City, People's Republic of China ~72: CHEN, Mengmeng;HAN, Lihui;LIU, Shili;LUAN, Yansong;SUN, Yundong;YU, Junmei;ZHANG, Bingqiang;ZHAO, Yunxue;ZHOU, Yang~ 33:CN ~31:2023110162374 ~32:14/08/2023

2023/10530 ~ Complete ~54:MODULATORS OF G-PROTEIN COUPLED RECEPTORS ~71:CARMOT THERAPEUTICS INC., 740 Heinz Ave, Berkeley, California, 94710, United States of America ~72: DANIEL ERLANSON;ENRIQUE MOYA;JEFF IWIG;RAYMOND V FUCINI;SHYAM KRISHNAN;STEVEN SETHOFER;STIG HANSEN~ 33:US ~31:63/188,342 ~32:13/05/2021

2023/10515 ~ Complete ~54:APPLICABLE TO NATURAL GAS BOILER FLUE GAS WASTE HEAT DEEP RECOVERY SYSTEM AND RECOVERY METHOD ~71:XI'AN FENG DONG HUANENG HEATING CO.,LTD., No. 57, FengYuan Road, Fengdong New City, Xi'an City, People's Republic of China ~72: DU, Lizhe;GAO, Sheng;XI, Changning;ZHANG, Tao~

2023/10527 ~ Complete ~54:LIVER CANCER-ASSOCIATED SERUM MICRORNA MAKERS AND NEW METHOD FOR DIAGNOSING LIVER CANCER ~71:QINGDAO RUISIDE MEDICAL LABORATORY CO., LTD., 3F, Building 7, Incubation Center, Qingdao Blue Biological Medicine Industrial Park, NO. 368 Hedong Road, High-tech Zone, Qingdao City, People's Republic of China ~72: CHEN, Mengmeng;HAN, Lihui;JIA, Xiaoqing;LI, Tao;LUAN, Yansong;SUN, Yundong;YU, Junmei;ZHANG, Bingqiang;ZHOU, Yang~ 33:CN ~31:2023110162247 ~32:14/08/2023

2023/10517 ~ Complete ~54:WATER-SOLUBLE GANODERMA LUCIDUM SPORE INSTANT COFFEE POWDER AND PREPARATION METHOD THEREFOR ~71:JILIN AGRICULTURAL UNIVERSITY, No. 2888 Xincheng Street, People's Republic of China ~72: JIANG, Guochuan;LI, Yu;WANG, Liyan;YIN, Jiacheng~

2023/10500 ~ Complete ~54:IN-VITRO ANTIBACTERIAL ACTIVITY AND PHYTOCHEMICAL SCREENING OF ETHANOLIC EXTRACT OF EUPHORBIA PROSTRATA ~71:Dr. Kiran Chandrakant Mahajan, Associate Professor, Shri Gajanan Maharaj Shikshan Prasarak Mandal Sanchalit, Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune, Maharashtra, 410504, India;Dr. Mrudangsinh Mahendrakumar Rathod, Head of Pharm.D Programmes, Parul Institute of Pharmacy, Parul University, Vadodara, Gujarat, 391760, India;Mr. Manoj Balasaheb Shinde, Assistant Professor, GES's, Satara College of Pharmacy, Satara, Maharashtra, 411041, India;Mr. Sahil Subhash Wadkar, Research Scholar, Abhinav Education Society's, College of Pharmacy (B.Pharm), Narhe, Pune-41, Pune, Maharashtra, 411041, India;Mrs. Anuradha Kameshwar Salunkhe, Assistant Professor, GES's, Satara College of Pharmacy, Satara, Maharashtra, 415004, India;Mrs. Deepali Pramod Kaldate, Assistant Professor, Abhinav Education Society's, College of Pharmacy (B.Pharm), Narhe, Pune-41, Pune, Maharashtra, 411041, India;Mrs. Kumudini Rahul Pawar, Assistant Professor, Abhinav Education Society's, College of Pharmacy (B.Pharm), Narhe, Pune-41, Pune, Maharashtra, 411041, India;Mrs. Madhuri Suraj Nalawade, Assistant Professor, Abhinav Education Society's, College of Pharmacy (B.Pharm), Narhe, Pune-41, Pune, Maharashtra, 411041, India;Mrs. Priyanka Ganesh Kale, Assistant Professor, Abhinav Education Society's, College of Pharmacy (B.Pharm), Narhe, Pune-41, Pune, Maharashtra, 411041, India;Mrs. Sharvari Satyajeet Chavan, Assistant Professor, Abhinav Education Society's, College of Pharmacy (B.Pharm), Narhe, Pune-41, Pune, Maharashtra, 411041, India ~72: Dr. Kiran Chandrakant Mahajan;Dr. Mrudangsinh Mahendrakumar Rathod;Mr. Manoj Balasaheb Shinde;Mr. Sahil Subhash Wadkar;Mrs. Anuradha Kameshwar Salunkhe;Mrs. Deepali Pramod Kaldate;Mrs. Kumudini Rahul Pawar;Mrs. Madhuri Suraj Nalawade;Mrs. Priyanka Ganesh Kale;Mrs. Sharvari Satyajeet Chavan~

2023/10506 ~ Complete ~54:STORAGE RACK FOR EASY ACCESS OF GARDEN SHEARS ~71:Dalong Nature Reserve Station in the Management and Protection Center of Qilian Mountain National Nature Reserve, Gansu Province, Si Dalong Protection Station Office, No. 112 Beihuan Road, Ganzhou District, Zhangye City, Gansu Province, People's Republic of China ~72: Hao Hongjie;Yi Yuyuan;Zhang Jiayi~

2023/10508 ~ Complete ~54:AIR RELIEF VALVE ARRANGEMENT ~71:PLASTINTERNATIONAL (PROPRIETARY) LIMITED, 29 Bell Street Meadowdale, Germiston, Gauteng, South Africa ~72: LUCA AUGUSTO AMBROSI~ 33:ZA ~31:2022/09133 ~32:16/08/2022

2023/10509 ~ Complete ~54:RECOMBINANT LSDV VECTORED EAST COAST FEVER TP ANTIGEN 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 ~31:2217051.8 ~32:15/11/2022

2023/10522 ~ Complete ~54:PAINT SPRAYING DEVICE FOR LAMP ACCESSORIES ~71:JIANGXI WANGLAI TECHNOLOGY CO., LTD., East Side Of Shangou Avenue, South Side Of Ouxiang Road, Shangou Industrial Park, Yudu County, Ganzhou, Jiangxi, 342300, People's Republic of China ~72: HUANG, Minhui;YANG, Yu;ZHAN, Caihong~ 33:CN ~31:202311326649.8 ~32:13/10/2023

2023/10545 ~ Provisional ~54:CHILLER APPARATOS ~71:LEONARD PETERSEN FAMILY TRUST I/T 132/2004, 45 30TH AVE, ELSIES RIVER, CAPE TOWN, South Africa ~72: LEONARD PETERSEN~

2023/10499 ~ Complete ~54:DEVICE FOR IMPROVING MEMORY AND SPELLING EFFICIENCY OF ENGLISH WORDS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Yuanyuan;DONG Zhaofeng;LI Bing;LI Hengbin;LIU Lele;SONG Liqiang;WANG Li;ZHANG Xiangyu;ZHANG Xiaoyu~

2023/10502 ~ Complete ~54:METHOD FOR PREPARING PRODUCT HAVING PRECISE FLAVOR, TEXTURE AND COLOR BY OPTIMIZING TRADITIONAL PROCESS FOR CURING AND RIPENING PORK ~71:Pingdu

Bernia Food Co., Ltd., No. 166, East Outer Ring Road, Pingdu City, Qingdao City, Shandong Province, 266700, People's Republic of China ~72: CHENG, Jijun;DAI, Aiguo;GAO, Wenhua;GENG, Meixia;HUANG, Ming;LI, Yugao;LIU, Gongming;SUN, Jingxin;YAO, Xianqi;ZHAO, Xiangjin;ZHENG, Qiankun~ 33:CN ~31:2023108149687 ~32:04/07/2023

2023/10518 ~ Complete ~54:HIGH-DIETARY FIBER AND LOW-CALORIE SAUSAGE FOR REPLACING RED MEAT WITH EDIBLE FUNGI AND PREPARATION METHOD THEREOF ~71:JILIN AGRICULTURAL UNIVERSITY, No. 2888 Xincheng Street, People's Republic of China ~72: DONG, Yuming;JIANG, Guochuan;WANG, Liyan~

2023/10521 ~ Complete ~54:THREE-DIMENSIONAL ORAL IMAGING SYSTEM AND METHOD ~71:MARGHALANI, Thamer, 10901 W. 120th Ave Suite 360 Broomfield, Colorado, 80021, United States of America ~72: MARGHALANI, Thamer~ 33:US ~31:17/324,980 ~32:19/05/2021

2023/10525 ~ Complete ~54:METHOD OF TREATING LOWER URINARY TRACT SYMPTOMS ~71:VERSAMEB AG, HOCHBERGERSTR. 60C, 4057 BASEL, SWITZERLAND, Switzerland ~72: HILLMANN-WÜLLNER, Petra;METZGER, Friedrich;SELVARAJ, Justin, Antony;ZUIDEVELD, Klaas, Pieter~ 33:EP ~31:21169118.3 ~32:19/04/2021

2023/10529 ~ Complete ~54:NOVEL METHOD FOR IMPROVING THE RESISTANCE OF SHEEP AT YOUNG AGE ~71:China Agricultural University, No. 2 Yuanmingyuan West Road, Haidian District, People's Republic of China ~72: Jiankui Wang;Xuemei Deng~ 33:WO ~31:PCT/CN2022/120417 ~32:22/09/2022

2023/10534 ~ Complete ~54:SALTS OF PHENYL PYRROLE AMINOGUANIDINE AND POLYMORPHS OF PHENYL PYRROLE AMINOGUANIDINIUM SALTS ~71:SYNACT PHARMA APS, Dronninggårds Allé 136, 2840, Holte, Denmark ~72: ALICE JANE TURNER;HAYLEY ANN REECE;NATALIE LOUISE KELK;ROSS MCLELLAN;THOMAS BOESEN;THOMAS ENGELBRECHT NORDKILD JONASSEN~ 33:EP ~31:21180702.9 ~32:21/06/2021;33:EP ~31:21180708.6 ~32:21/06/2021;33:EP ~31:21209855.2 ~32:23/11/2021

2023/10536 ~ Complete ~54:BLUE METHANOL ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: JESPER NAIMI FUNCH POULSEN;MARIA LUISA BLAZQUEZ DIAZ;PER JUUL DAHL~ 33:EP ~31:21176582.1 ~32:28/05/2021

2023/10541 ~ Complete ~54:ION PRODUCTION SYSTEM WITH EFFICIENT ION COLLECTION ~71:SHINE Technologies, LLC, 3400 Innovation Court, JANESVILLE 53544 , WI, USA, United States of America ~72: CHEREKDJIAN, Sarko;SHERMAN, Joseph~ 33:US ~31:63/188,729 ~32:14/05/2021

2023/10544 ~ Complete ~54:POLO LIKE KINASE 4 INHIBITORS ~71:ORIC PHARMACEUTICALS, INC., 240 E. Grand Avenue, 2nd Floor, United States of America ~72: ALBERT, Vincent;CHANG, Jae Hyuk;CIBLAT, Stephane;CONSTANTINEAU-FORGET, Lea;DU, Xiaohui;GIBBONS, Paul Anthony;KAWAI, Hiroyuki;MOORE, Jared Thomas;NAYYAR, Amit;NDUBAKU, Chudi;POLAT, Dilan Emine;ROMERO, F. Anthony;SHORE, Daniel Gordon Michael;SILVA, Hugo de Almeida;TAN, Joanne;WANG, Hong;WU, Kejia~ 33:US ~31:63/187,049 ~32:11/05/2021;33:US ~31:63/249,809 ~32:29/09/2021;33:US ~31:63/317,174 ~32:07/03/2022;33:US ~31:63/337,445 ~32:02/05/2022

2023/10524 ~ Complete ~54:TOILET HAVING A SPECIFIC INNER BOWL SHAPE ~71:GEBERIT INTERNATIONAL AG, Schachenstr. 77, Switzerland ~72: Rolf WEISS~ 33:EP ~31:21189636.0 ~32:04/08/2021

2023/10531 ~ Complete ~54:METHOD FOR MANUFACTURING A HIGH STRENGTH STEEL PLATE AND HIGH STRENGTH STEEL PLATE ~71:NLMK CLABECQ, rue de Clabecq 101, 1460, Ittre, Belgium ~72: ISABELLE TOLLENEER;PHILIPPE HERNAUT~ 33:EP ~31:PCT/EP2021/063415 ~32:20/05/2021

2023/10533 ~ Complete ~54:UNIT DOSE CLEANING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DEBOSREE CHATTERJEE;GANESAN RAJENDIRAN;GAURAV PATHAK;GIRISH MURALIDHARAN;HIMADRI SEKHAR KUMAR;RAJEESH KUMAR RAMACHANDRAN~ 33:EP ~31:21181563.4 ~32:24/06/2021;33:EP ~31:21181564.2 ~32:24/06/2021

2023/10535 ~ Complete ~54:UNIT DOSE CLEANING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DEBOSREE CHATTERJEE;GANESAN RAJENDIRAN;GAURAV PATHAK;GIRISH MURALIDHARAN;HIMADRI SEKHAR KUMAR;RAJEESH KUMAR RAMACHANDRAN~ 33:EP ~31:21181563.4 ~32:24/06/2021;33:EP ~31:21181564.2 ~32:24/06/2021

2023/10537 ~ Complete ~54:SYSTEM AND METHODS FOR CARBON DIOXIDE CAPTURE AND RECOVERY ~71:ENVIRO AMBIENT CORPORATION, 1083 North Collier Blvd., Suite 355, Marco Island, Florida, 34145, United States of America ~72: ANDREW VERDOUW;SANJEEV JOLLY~ 33:US ~31:63/174,313 ~32:13/04/2021

2023/10539 ~ Complete ~54:ULTRASOUND THREAD WELDING ~71:Bayer Oy, Pansiontie 47, 20210, TURKU, FINLAND, Finland ~72: LYYTIKÄINEN, Heikki;MIKKONEN, Joonas;MOISALA, Esko;PERÄLÄ, Petri;POHJOLA, Juuso;RISKI, Jari;ROINE, Jorma;TÖYRYLÄ, Antti;TJÄDER, Taina~ 33:EP ~31:21168237.2 ~32:14/04/2021

2023/10513 ~ Complete ~54:A PAN-KRAS INHIBITOR COMPOUND ~71:ADLAI NORTYE BIOPHARMA CO., LTD., Block 8, No. 1008 Xiangwang Street, People's Republic of China ~72: CHEN, Kaixuan;CHEN, Yufeng;CHENG, Wanli;HE, Nanhai;JIN, Chaofan;LI, Feifan;LIU, Canfeng;LIU, Shuaishuai;LV, Meng;SUN, Zhao;WU, Peng;YANG, Han~ 33:CN ~31:202211463547.6 ~32:16/11/2022

2023/10512 ~ Complete ~54:PYRAZINE DERIVATIVE AND APPLICATION THEREOF IN INHIBITING SHP2 ~71:SUZHOU GENHOUSE PHARMACEUTICAL CO., LTD, Room 505, 507 Building D, 388 Ruoshui Road, People's Republic of China ~72: LU, Jinchang;MA, Mengnan;SUN, Haifeng;WANG, Kuifeng;ZHANG, Tao~ 33:CN ~31:201910160960.7 ~32:04/03/2019

2023/10523 ~ Complete ~54:AUXILIARY TRIMMING DEVICE FOR LAMP ACCESSORIES ~71:JIANGXI WANGLAI TECHNOLOGY CO., LTD., East Side Of Shangou Avenue, South Side Of Ouxiang Road, Shangou Industrial Park, Yudu County, Ganzhou, Jiangxi, 342300, People's Republic of China ~72: HUANG, Minhui;YANG, Yu;ZHAN, Caihong~ 33:CN ~31:202310997902.6 ~32:09/08/2023

2023/10497 ~ Provisional ~54:A SPLIT SET ~71:HOLFELD, Barry Graeme, 1207 Schooner Avenue, Laser Park, Ext. 9, Roodepoort, South Africa ~72: HOLFELD, Barry Graeme;SWANEPOEL, Shaun~

2023/10514 ~ Complete ~54:A PAN-KRAS INHIBITOR COMPOUND ~71:ADLAI NORTYE BIOPHARMA CO., LTD., Block 8, No. 1008 Xiangwang Street, People's Republic of China ~72: CHEN, Kaixuan;CHEN, Yufeng;CHENG, Wanli;HE, Nanhai;LI, Feifan;LIU, Canfeng;LIU, Shuaishuai;LV, Meng;WU, Peng;YANG, Han~ 33:CN ~31:202211447990.4 ~32:18/11/2022

2023/10538 ~ Complete ~54:PHOSPHORUS DERIVATIVES AS NOVEL SOS1 INHIBITORS ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: ARLT, Matthias;BADER, Benjamin;ERKELENZ, Michael;GRAHAM, Keith;GRESSIES, Steffen;HETHEY, Christoph Philipp;HILLIG, Roman;KAMBUROV, Atanas Marinov;MORTIER, Jeremie Xavier G.;NOWAK-REPPEL, Katrin;PAPE, Felix;SCHRÖDER, Jens;SIEMEISTER, Gerhard;STELLFELD, Timo~ 33:EP ~31:21168256.2 ~32:14/04/2021

2023/10505 ~ Complete ~54:BORON-PHOSPHORUS COMPOSITE MODIFIED HIGH BELITE SULPHOALUMINATE CEMENT CLINKER AND PREPARATION METHOD THEREOF ~71:China Building

Materials Academy Co., Ltd., No. 1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024, People's Republic of China;China National Building Material Group Co., Ltd., Building 2, Guohai Plaza, No. 17 Fuxing Road, Haidian District, Beijing, 100036, People's Republic of China ~72: Hongtao ZHANG;Jiayuan YE;Lixue CAO;Nan AN;Wenjuan CUI;Wensheng ZHANG;Xuehong REN~ 33:CN ~31:202211593943.0 ~32:13/12/2022

2023/10543 ~ Complete ~54:BATTERY MODULE AND BATTERY SYSTEM WITH HEAT EXCHANGER HOUSING ~71:Whitemark Technology GmbH, Esterweg 19, ALTENSTADT 86972, GERMANY, Germany ~72: ADAM, Peter;MEYER, Stefan Andreas~

2023/10510 ~ Complete ~54:A LARGE-SCALE VIRTUAL REALITY SYSTEM BASED ON MESH COMPRESSION ~71:Sichuan Wutong Technology Co., Ltd., Affix. 8, No. 74, Shuangjian Road, Chenghua District, Chengdu City, Sichuan Province, 610051, People's Republic of China ~72: Jie Yi;Liang Yuan;Ying Zheng;Yipeng Luo;Yong Xu~ 33:CN ~31:202311128003.9 ~32:04/09/2023

2023/10511 ~ Complete ~54:POWER DISTRIBUTION WITHIN AN ELECTRIC MACHINE WITH RECTIFIED ROTOR WINDINGS ~71:Tau Motors, Inc., 1104 Main Street, REDWOOD CITY 94063, CA, USA, United States of America ~72: BAGGET SWINT, Ethan;OWEN, Michael Parker;PENNINGTON III, Walter Wesley;PREINDL, Matthias;RUBIN, Matthew J.;STEVENSON, Gregory Gordon~ 33:US ~31:63/059,930 ~32:31/07/2020

2023/10519 ~ Complete ~54:COMPOUND FOR ALDOSE REDUCTASE INHIBITOR, SYNTHESIS METHOD THEREFOR AND USE THEREOF ~71:JILIN UNIVERSITY OF MEDICINE, 5 Jilin Dajie, Jilin City, People's Republic of China ~72: CAI, Jianhui;JIA, Boyan;LI, Zhuoling;LIU, Jiaxue;WANG, Huiyan;WANG, Yangyang;WANG, Zhibing;XIU, Zhiming;YANG, Weilong;ZHAO, Shan~

2023/10532 ~ Complete ~54:ARRANGEMENT AND METHOD FOR AIR-INDUCED EVAPORATION AND COOLING ~71:METSO FINLAND OY, Rauhalanpuisto, Espoo, 02230, Finland ~72: MARIKA TIIHONEN;TUOMAS HIRSI~

2023/10542 ~ Complete ~54:RNAI AGENTS FOR INHIBITING EXPRESSION OF MUCIN 5AC (MUC5AC), COMPOSITIONS THEREOF, AND METHODS OF USE ~71:Arrowhead Pharmaceuticals, Inc., 177 East Colorado Boulevard, Suite 700, PASADENA 91105, CA, USA, United States of America ~72: BUSH, Erik W.;NICHOLAS, Anthony;SCHIENEBECK, Casi M.~ 33:US ~31:63/194,370 ~32:28/05/2021

2023/10540 ~ Complete ~54:SURFACE-MODIFIED ORGANIC FILLERS AND RUBBER COMPOSITIONS CONTAINING SAME ~71:SunCoal Industries GmbH, Rudolf-Diesel-Strasse 15, LUDWIGSFELDE 14974, GERMANY, Germany ~72: ANYSZKA, Rafal;BLUME, Anke;PODSCHUN, Jacob;SCHMAUCKS, Gerd;SEKAR, Priyanka;STÜCKER, Alexander;WITTMANN, Tobias~ 33:EP ~31:21174916.3 ~32:20/05/2021

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2023/10550 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING BIOFILM-RELATED LUNG CONDITIONS ~71:LOCUS IP COMPANY, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: ALIBEK, Ken;FARMER, Sean~ 33:US ~31:62/846,084 ~32:10/05/2019

2023/10559 ~ Complete ~54:CRYSTALLINE FORMS OF A PHOSPHOINOSITIDE 3-KINASE (PI3K) INHIBITOR ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: BURNS, David M.;COMBS, Andrew P.;DOUTY, Brent;JIA, Zhongjiang;LEVY, Daniel;YUE, Eddy W.~ 33:US ~31:62/727,321 ~32:05/09/2018;33:US ~31:62/727,328 ~32:05/09/2018;33:US ~31:62/727,339 ~32:05/09/2018;33:US ~31:62/746,928 ~32:17/10/2018

2023/10571 ~ Complete ~54:PROCESS FOR THE MANUFACTURING OF A GADOLINIUM COMPLEX SOLUTION ~71:Bracco Imaging SpA, Via Egidio Folli, 50, MILANO 20134, ITALY, Italy ~72: BANIN, Andrea;BARALE, Andrea;BOI, Valeria;BUONSANTI, Federica;GAZZETTO, Sonia~ 33:EP ~31:21187887.1 ~32:27/07/2021

2023/10552 ~ Complete ~54:LOW-FREQUENCY ULTRA-WIDEBAND ACOUSTIC BLACK HOLE ACOUSTIC MATERIAL STRUCTURE ~71:WUHAN UNIVERSITY OF TECHNOLOGY, No. 122 Luoshi Road, Hongshan District, Wuhan, Hubei Province, 430070, People's Republic of China ~72: CHENG, Li;ZHANG, Xiaoqi~

2023/10555 ~ Complete ~54:A CLINICAL CONCENTRATION-ADJUSTED ANESTHESIA DEVICE FOR THE ANESTHESIOLOGY DEPARTMENT ~71:Guoqiang Zhan, Yingshan Garden, Dongyang City, Jinhua, Zhejiang, People's Republic of China ~72: Guoqiang Zhan~

2023/10566 ~ Complete ~54:ANTI-C1S ANTIBODY ~71:Chugai Seiyaku Kabushiki Kaisha, 5-1, Ukima 5-chome, Kita-ku, TOKYO 1158543, JAPAN, Japan ~72: KOGA, Hikaru~ 33:JP ~31:2021-068964 ~32:15/04/2021

2023/10558 ~ Complete ~54:CARGO UNIT ~71:GOODPACK IBC (SINGAPORE) PTE. LTD., 3 Changi South Street 1, Santa United Building, Singapore ~72: ARGENTTI, Mario Cesar Barrio~ 33:US ~31:62/813,369 ~32:04/03/2019

2023/10570 ~ Complete ~54:COMPOSITIONS AND METHODS FOR CONTROLLING INSECTS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: FLEMING, Christopher~ 33:US ~31:63/191,516 ~32:21/05/2021

2023/10577 ~ Complete ~54:GPP SEAL SYSTEM MAINTENANCE, REPLACEMENT AND SEISMIC ISOLATION ~71:GRAVITY POWER LLC, 945 Ward Drive, Spc 28, Santa Barbara, California, 93111, United States of America ~72: ORLO JAMES FISKE~ 33:US ~31:63/184,066 ~32:04/05/2021

2023/10561 ~ Complete ~54:SIGNAL TRANSMITTING DEVICE BASED ON MAGNETICALLY CONTROLLED BRAIN OPTICAL FIBER COMMUNICATION SYSTEM ~71:Anhui Shendong Biotechnology Development Co., Ltd., 501, Floor 5, Building A, Innovation and Entrepreneurship Center, Taining Street, Shannan New District, Huainan City, Anhui Province, 232063, People's Republic of China ~72: LI Bing;TAO Xinrong;ZHAO Yehong~ 33:CN ~31:2022104209985 ~32:20/04/2022

2023/10565 ~ Complete ~54:METHOD FOR PRODUCING A STEEL PART AND STEEL PART ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Bernard RESIAK;Marion FROTEY~

2023/10573 ~ Complete ~54:BIOMARKERS FOR COLORECTAL CANCER ~71:Vision Tech Bio Pty Ltd, Bio21 Molecular Science & Biotechnology Institute, 30 Flemington Road, PARKVILLE 3010, VIC, AUSTRALIA, Australia ~72: BUCKLEY, Michael;DAISH, Christian;LEWIS, Craig;LOCKETT, Trevor;MILLER, Louise;VOM, Eduardo~ 33:AU ~31:2021901164 ~32:20/04/2021

2023/10580 ~ Complete ~54:METHOD OF TRACKING MAINTENANCE OF IMMUNOLOGICAL TOLERANCE ~71:COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC., 2215 Sanders Road, Suite 425, Northbrook, Illinois, 60062, United States of America ~72: ADAM ELHOFY;GRETA WODARCYK;JAMES HERRMANN;JOHN PUISIS;JOSEPH PODOJIL;MICHAEL BOYNE~ 33:US ~31:63/175,973 ~32:16/04/2021

2023/10553 ~ Complete ~54:WATERBORNE FLUOROCARBON COATING, PREPARATION METHOD AND APPLICATION THEREOF, AND SPRAYING METHOD ~71:Anhui Care-Jet New Material Technology Co., Ltd., No. 401, Building 10, Zhongyi Industrial Plaza, Dongcheng Avenue, Heli Park, Ningguo Economic and

Technological Development Zone, Xuancheng City, Anhui Province, 242399, People's Republic of China ~72: FANG, Liuyue~

2023/10563 ~ Complete ~54:METHOD FOR GRINDING MATERIAL TO BE GROUND ~71:JURA ELEKTROAPPARATE AG, Kaffeeweltstrasse 10, Switzerland ~72: Christoph GROB~ 33:EP ~31:21177222.3 ~32:01/06/2021

2023/10575 ~ Complete ~54:DENSITY METER ~71:ALIA INSTRUMENTS HOLDING B.V., Institutenweg 25a, 7521 PH, Enschede, Netherlands ~72: JAN PETERS~ 33:EP ~31:21176299.2 ~32:27/05/2021

2023/10548 ~ Complete ~54:ROAD BASE MIXTURE AND ITS CONTENT CALCULATION AND PREPARATION METHOD ~71:China Aluminum Ningxia Energy Group Co., Ltd., No. 83 Wenchang South Street, Xixia District, Yinchuan City, Ningxia Hui Autonomous Region, 750021, People's Republic of China;Ningxia Huasheng Energy Conservation and Environmental Protection Technology Co., Ltd., "Room 1919, Apartment 1, Yinchuan Wanda Center, East Side of Qinshui Street, Jinfeng District, Yinchuan City, Ningxia Hui Autonomous Region, 750000, People's Republic of China;Ningxia University, 489 Helan West Road, Xixia District, Yinchuan City, Ningxia Hui Autonomous Region, 750021, People's Republic of China ~72: Guipu HUA;Hairui WANG;Honbo LI;Junku DUAN;Long SHAN;Qinghong LIU;Shudong HUA;Xinrui KANG;Zi WANG~

2023/10551 ~ Complete ~54:VR HELMET ASSEMBLING APPARATUS FOR CULTURAL EDUCATION AND OPERATING METHOD THEREOF ~71:Harbin Vocational College of Science and Technology, No. 66, Jinxi Road, Acheng District, Harbin City, Heilongjiang Province, 150399, People's Republic of China ~72: NING, Kai~

2023/10557 ~ Complete ~54:DISPLAY DEVICE FOR COMPUTER APPLICATION TECHNOLOGY TEACHING ~71:Jiangsu College of Safety Technology, No.381 Tongshan Road, Xuzhou City, Jiangsu Province, 221000, People's Republic of China ~72: Chen Lei;Jia Chuanhao;Li Ya;Li Yutong;Luo Haowen;Mou Lingyun;Shi Chunhong;Xu Yinhao;Yang Yanchuan;Zhang Kesheng;Zhang Zhan;Zhou Yiwei~

2023/10568 ~ Complete ~54:MANUFACTURING OF DIMERIC CONTRAST AGENTS ~71:Bracco Imaging SpA, Via Egidio Folli, 50, MILANO 20134, ITALY, Italy ~72: BANIN, Andrea;BARALE, Andrea;BOI, Valeria;BUONSANTI, Federica;GAZZETTO, Sonia~ 33:EP ~31:21187883.0 ~32:27/07/2021

2023/10574 ~ Complete ~54:PYRAZOLO[1,5-A]PYRIMIDINE COMPOUND FOR THE TREATMENT OF DERMAL DISORDERS ~71:OTSUKA PHARMACEUTICAL CO., LTD., 2-9, Kanda Tsukasa-machi, Chiyoda-ku, Tokyo 1018535, Japan ~72: AKIHIRO SAITO;AKIRA TAKAHASHI;ATSUSHI YAMAGUCHI;KENJI WATANABE;MINORU OKADA;SATOSHI MATSUDA;TAIKI HANARI;TAKAHITO YAMAUCHI;YASUHIRO MENJO;YOHEI YUKI;YUICHI NAKAMURA;YUKITAKA UEMATSU~ 33:JP ~31:2021-092947 ~32:02/06/2021

2023/10567 ~ Complete ~54:SESAME PLANTS RESISTANT TO ACETOLACTATE SYNTHASE-INHIBITING HERBICIDES, COMPOSITIONS AND METHODS FOR PRODUCING SAME ~71:Yissum Research Development Company of The Hebrew University of Jerusalem Ltd., Hi-Tech Park, Edmond J. Safra Campus, Givat Ram, POB 39135, JERUSALEM 9139002, ISRAEL, Israel ~72: AVNERI, Asaf;GADRI, Yaron;PELEG, Zvi~ 33:US ~31:63/208,007 ~32:08/06/2021

2023/10579 ~ Complete ~54:TEMPORARY POOL COVER AND FLOOR SYSTEM ~71:COLHURST CONCEPTS, LLC, 5935 Colhurst Street, Dallas, Texas, 75230, United States of America ~72: ITALIA MARISOL OVALLE;LUIS FERNANDO RAMIREZ;SHERWOOD NOËL WAGNER~ 33:US ~31:17/340,715 ~32:07/06/2021

2023/10560 ~ Complete ~54:VALVE POSITION INDICATOR WITH LEDS ~71:BRAY INTERNATIONAL, INC., 13333 Westland E Blvd., Houston, Texas, 77041, United States of America ~72: CRAIG BROWN;DAN WALKER;JAMES F SCHMIDT~ 33:US ~31:16/390,822 ~32:22/04/2019

2023/10564 ~ Complete ~54:NEW DRY POWDER COMPOSITION OF TIOTROPIUM FOR INHALATION ~71:LABORATOIRES SMB, Rue de la Pastorale, 26-28, Belgium ~72: Philippe BAUDIER;Romain MERLOS;Thami SEBTI~ 33:EP ~31:1181419.9 ~32:24/06/2021

2023/10572 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING A RYANODINE RECEPTOR MODULATOR AND USES THEREOF ~71:ARMGO Pharma, Inc., PMB #260, 923 Saw Mill River Road, ARDSLEY 10502, NY, USA, United States of America ~72: ANBY, Mette Uhre;BINET, Jerome;MARCANTONIO, Eugene E.~ 33:US ~31:63/191,142 ~32:20/05/2021

2023/10576 ~ Complete ~54:FUME HARVESTING AND ACCUMULATION SYSTEM, METHOD AND EXTRACT FOR DISSOLVING IN A TINCTURE ~71:ILAN FEFERBERG, HARFSODA 46, 7541710, Rishon Lezion, Israel ~72: ILAN FEFERBERG~ 33:IL ~31:282894 ~32:03/05/2021

2023/10578 ~ Complete ~54:SULFONIMIDAMDE COMPOUNDS AND USES THEREOF ~71:GENENTECH, INC., 1 DNA Way, South San Francisco, California, 94080-4990, United States of America ~72: CHRISTIAN NILEWSKI;CRAIG STIVALA;KWONG WAH LAI;RICHARD M PASTOR~ 33:CN ~31:PCT/CN2021/107085 ~32:19/07/2021;33:CN ~31:PCT/CN2022/077518 ~32:23/02/2022

2023/10547 ~ Complete ~54:A METHOD FOR PROPELLER BLADE PARAMETER ESTIMATION BASED ON UNDERWATER ACOUSTIC MICRO-DOPPLER EFFECT ~71:Shenzhen Polytechnic University, Xili Lake, Xili Lake Town, Xili Street, Nanshan District, Shenzhen City, Guangdong Province, 518055, People's Republic of China ~72: Xiaochun ZHU;Yachen ZHANG;Zhengkun CHENG;Zhurong DONG~ 33:CN ~31:2023100400041 ~32:12/01/2023

2023/10549 ~ Complete ~54:DESIGN METHOD FOR BIONIC WAVY BLADE TIP CLEARANCE OF CENTRIFUGAL PUMP ~71:Xi'an University of Technology, NO.5 South Jinhua Road, Beilin District, Xi'an, Shaanxi, People's Republic of China ~72: FENG Jianjun;LUO Xingqi;WANG Jing;WANG Like;YAO Liang;ZHU Guojun~ 33:CN ~31:202310441295.5 ~32:23/04/2023

2023/10556 ~ Complete ~54:SMART LIGHTING SYSTEM AND APPARATUS ~71:ECO-SOLUTIONS PROJECTS MANAGEMENT (PTY) LTD, Suite 2, 3 Rydall Vale Park, 1 Douglas Saunders Drive, South Africa ~72: CHETTY, Raju~ 33:ZA ~31:2023/09575 ~32:13/10/2023

2023/10569 ~ Complete ~54:METHODS AND SYSTEMS FOR PRODUCING A PROTEIN OF INTEREST IN A PLANT ~71:Nant Holdings IP, LLC, 9920 Jefferson Blvd., CULVER CITY 90232, CA, USA, United States of America ~72: SOON-SHIONG, Patrick~ 33:US ~31:63/208,836 ~32:09/06/2021

2023/10562 ~ Complete ~54:MANTLE RETAINING SYSTEM AND METHOD FOR A GYRATORY CRUSHER ~71:METSO USA INC., 275 N. Corporate Drive, United States of America ~72: FRIEDRICHS, Scott;MEIER, Brian;MURPHY, William;STEINER, Lucas~ 33:US ~31:17/326,466 ~32:21/05/2021

2023/10581 ~ Complete ~54:TREATMENT OF PEANUT ALLERGY WITH TOLERIZING NANOPARTICLES ~71:COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC., 2215 Sanders Road, Suite 425, Northbrook, Illinois, 60062, United States of America ~72: ADAM ELHOFY;GRETA WODARCYK;JAMES HERRMANN;JOHN PUISIS;JOSEPH PODOJIL;MICHAEL BOYNE~ 33:US ~31:63/175,968 ~32:16/04/2021

2023/10554 ~ Complete ~54:HIGH-TEMPERATURE RESISTANT AND ANTICORROSIVE COATING AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Anhui Care-Jet New Material Technology Co., Ltd., No. 401, Building 10, Zhongyi Industrial Plaza, Dongcheng Avenue, Heli Park, Ningguo Economic and Technological Development Zone, Xuancheng City, Anhui Province, 242399, People's Republic of China ~72: FANG, Liuyue~

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2023/10597 ~ Complete ~54:INTROGRESSION OF TOLCNDV-ES RESISTANCE CONFERRING QTLS IN CUCUMIS SATIVUS PLANTS ~71:NUNHEMS B.V., NAPOLEONSWEG 152, 6083 AB NUNHEM, NETHERLANDS, Netherlands ~72: CANGAL, Gulay;CHYNOWETH, Robert;DRIEDONKS, Nicky;KOELEWIJN, Hans, Peter;LIBERTI, Daniele~ 33:EP ~31:21169794.1 ~32:22/04/2021

2023/10602 ~ Complete ~54:ETHYLENE OLIGOMERIZATION PROCESSES ~71:CHEVRON PHILLIPS CHEMICAL COMPANY LP, 10001 Six Pines Drive, The Woodlands, Texas, 77380, United States of America ~72: BROOKE L SMALL;ORSON L SYDORA;RONALD D KNUDSEN~ 33:US ~31:17/330,523 ~32:26/05/2021

2023/10607 ~ Complete ~54:PHENYL PYRROLE AMINOGUANIDINE SALTS AND FORMULATIONS ~71:SYNACT PHARMA APS, Dronninggårds Allé 136, 2840, Holte, Denmark ~72: BENT HØJGAARD;THOMAS BOESEN;THOMAS ENGELBRECHT NORDKILD JONASSEN~ 33:EP ~31:21180702.9 ~32:21/06/2021;33:EP ~31:21180708.6 ~32:21/06/2021;33:EP ~31:21209855.2 ~32:23/11/2021

2023/10611 ~ Complete ~54:IMMUNOGENIC COMPOSITIONS COMPRISING CONJUGATED CAPSULAR SACCHARIDE ANTIGENS AND USES THEREOF ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: ANDERSON, Annaliesa Sybil;GALLAGHER, Caitlyn;GU, Jianxin;KANEVSKY, Isis;KIM, Jin-Hwan;MORAN, Justin Keith;SINGH, Suddham;SURENDRAN, Naveen~ 33:US ~31:63/194,641 ~32:28/05/2021;33:US ~31:63/228,763 ~32:03/08/2021

2023/10589 ~ Complete ~54:A PORTABLE SOIL DETECTION DEVICE FOR GEOLOGICAL EXPLORATION ~71:Suzhou University, Erpu Village, Zhuxianzhuang Town, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: Herong Gui;Mingming Wang~

2023/10598 ~ Complete ~54:QUANTITATIVE DETECTION OF MICRO-RNAS ~71:GENFIT, 885 AVENUE EUGÈNE AVINÉE, 59120 LOOS, FRANCE, France ~72: BUTTOLO, Romain;MAJD, Zouher~ 33:US ~31:17/237,789 ~32:22/04/2021

2023/10606 ~ Complete ~54:HYDRATABLE CONCENTRATED SURFACTANT COMPOSITION COMPRISING A COMPOUND WITH A DEFINED WEIGHT PERCENT OF OXYGEN ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DOUGLAS JOHN HIBAN;TEANOOSH MOADDEL;THOMAS ALAN KWAN;TIRUCHERAI VARAHAN VASUDEVAN~ 33:EP ~31:21183529.3 ~32:02/07/2021

2023/10608 ~ Complete ~54:TIRE REPAIR APPARATUS FOR ATTACHMENT TO A VEHICLE WHEEL ~71:KT PROJEKTENTWICKLUNGS-GMBH, Edisonstrasse 25, Germany ~72: TSIBERIDIS, Konstantin;TSOUROUKIDOU, Eleni~

2023/10614 ~ Complete ~54:ALLOSTERIC CHROMENONE INHIBITORS OF PHOSPHOINOSITIDE 3-KINASE (PI3K) FOR THE TREATMENT OF CANCER ~71:Petra Pharma Corporation, 450 E 29th Street, Suite 506, NEW YORK 10016, NY, USA, United States of America ~72: ANDERSON, Erin Danielle;ARONOW, Sean Douglas;BOYLES, Nicholas A.;CHEN, Xiaohong;DAWADI, Surendra;HICKEY, Eugene R.;IRVIN, Thomas

Combs;KESICKI, Edward A.;KNIGHT, Jennifer Lynn;KOLAKOWSKI, Gabrielle R.;KUMAR, Manoj;LONG, Katelyn Frances;MAYNE, Christopher Glenn;MCLEAN, Johnathan Alexander;POTOTSCHNIG, Gerit Maria;WANG, Hua-Yu;WELCH, Michael Brian;WIDJAJA, Tien~ 33:US ~31:63/193,917 ~32:27/05/2021;33:US ~31:63/227,493 ~32:30/07/2021;33:US ~31:63/250,592 ~32:30/09/2021;33:US ~31:63/253,352 ~32:07/10/2021

2023/10590 ~ Complete ~54:A CONTINUOUS PREPARATION METHOD OF MAGNESIUM HYDROXIDE WITH CONTROLLABLE HYDROPHOBICITY ~71:Central South University, No. 932, Lushan South Road, Changsha City, Hunan Province, 410083, People's Republic of China ~72: Junfeng CHENG;Qianqiu TIAN;Shangyong LIN;Wei SUN;Weiping LIU~ 33:CN ~31:2022114698244 ~32:23/11/2022

2023/10592 ~ Complete ~54:ALARM METHOD FOR RECOGNIZING GESTURES BASED ON CAMERA ~71:MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD, ROOM 9-07-08, BUILDING 1, HENGFENG BUILDING, SHUANGXI WEST ROAD, JIANGNAN STREET, People's Republic of China;XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, NO. 3388, YINGBIN AVENUE, People's Republic of China ~72: DUAN, Zhizhuang;HUANG, Ruiyang;HUANG, Yuyun~ 33:CN ~31:202310494005.3 ~32:24/04/2023

2023/10596 ~ Complete ~54:OPTIMAL DESIGN METHOD FOR SPINDLE BOX STRUCTURE OF VERTICAL MACHINING CENTER ~71:ANHUI XINNUO PRECISION INDUSTRY CO., LTD, No. 51, Huancheng West Road, Yansi Town, Huizhou District, Huangshan, Anhui, 245999, People's Republic of China ~72: CAO, Keke;LIU, Wei;WANG, Haoyuan;XIE, Zhentao;XIONG, Guoqiang;ZHANG, Jianchen;ZHAO, Zuxi~ 33:CN ~31:202311039907.4 ~32:17/08/2023

2023/10601 ~ Complete ~54:7-NITRO-8-HYDROXYQUINOLINE DERIVATIVE, PREPARATION METHOD THEREFOR AND MEDICAL USE THEREOF ~71:ASIERIS PHARMACEUTICALS (SHANGHAI) CO., LTD., 12F, Building 56, No.1000 Jinhai Road, City Of Elite, Pudong, Shanghai 201203, People's Republic of China;JIANGSU YAHONG MEDITECH CO., LTD., D-1009, New Drug Innovation Base, No. 1, Yaocheng Avenue, CMC Taizhou, Jiangsu, 225316, People's Republic of China ~72: LIANG WU;LU XIAO;YIJUN DENG~ 33:CN ~31:202110602821.2 ~32:31/05/2021

2023/10613 ~ Complete ~54:ALLOSTERIC CHROMENONE INHIBITORS OF PHOSPHOINOSITIDE 3-KINASE (PI3K) FOR THE TREATMENT OF DISEASE ~71:Petra Pharma Corporation, 450 E 29th Street, Suite 506, NEW YORK 10016, NY, USA, United States of America ~72: ANDERSON, Erin Danielle;ARONOW, Sean Douglas;BOYLES, Nicholas A.;CHEN, Xiaohong;DAWADI, Surendra;HICKEY, Eugene R.;IRVIN, Thomas Combs;KESICKI, Edward A.;KNIGHT, Jennifer Lynn;KOLAKOWSKI, Gabrielle R.;KUMAR, Manoj;LONG, Katelyn Frances;MAYNE, Christopher Glenn;PICADO, Alfredo;POTOTSCHNIG, Gerit Maria;WANG, Hua-Yu;WELCH, Michael Brian;WIDJAJA, Tien;WRIGHT, Nathan Edward~ 33:US ~31:63/183,366 ~32:03/05/2021;33:US ~31:63/227,652 ~32:30/07/2021;33:US ~31:63/250,564 ~32:30/09/2021;33:US ~31:63/253,282 ~32:07/10/2021;33:US ~31:63/253,412 ~32:07/10/2021

2023/10616 ~ Complete ~54:COMPOSITIONS INCLUDING CONJUGATED THERAPY ENHANCERS ~71:BioHaven Therapeutics Ltd., Biohaven Therapeutics Ltd., 215 Church Street, NEW HAVEN 06510, CT, USA, United States of America ~72: KAZMIERSKI, Wieslaw;PRACITTO, Richard~ 33:US ~31:63/189,503 ~32:17/05/2021

2023/10584 ~ Complete ~54:A METHOD OF RECONFIGURABLE INTELLIGENT SURFACE WITH ADJUSTABLE REFLECTION GAIN BASED ON HYBRID CELL SUBARRAY ~71:Huizhou University, 46 Yanda Road, Huizhou, Guangdong, 516007, People's Republic of China ~72: CHUNG, Kwok Lun~ 33:CN ~31:2023115031444 ~32:10/11/2023

2023/10587 ~ Complete ~54:COMPOUND FRUCTUS GARDENIAE AND FERMENTED SOYBEANS TOTAL EXTRACT BASED ON SUPERCRITICAL EXTRACTION AND PREPARATION AND USE THEREOF

~71:Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences, No. 16, Nanxiao Street, Inner Dongzhimen, Dongcheng District, Beijing, People's Republic of China ~72: JIN Rixian;LIN Longfei;TIAN Jixiang;ZHANG Dong;ZHAO Xiaoang~

2023/10586 ~ Complete ~54:CLAMPING DEVICE FOR PROCESSING INTERNAL GEAR ~71:HARBIN INSTITUTE OF TECHNOLOGY, No.92 Xidazhi Street, Nangang District, Harbin City, Heilongjiang, 150001, People's Republic of China ~72: LI, Yang;MAO, Hancheng;MARMYSH Dzianis;SUN, Hao;YU, Guangbin~

2023/10582 ~ Provisional ~54:LACE TENSION ADJUSTMENT DEVICE ~71:DA SILVA, Michael Roston St Clair, 125 Zwaanswyk Road, Tokai, Cape Town, 7945, South Africa ~72: DA SILVA, Michael Roston St Clair~

2023/10585 ~ Complete ~54:HIGH-TEMPERATURE-RESISTANT AND HIGH-PERFORMANCE CONCRETE AND PREPARATION METHOD THEREOF ~71:Jilin Jianzhu University, No. 5088, Xincheng Street, Changchun City, Jilin Province, People's Republic of China ~72: CUI Jinyu;GUO Yafeng;JIANG Hao;QIAN Xuesong;QIAO Li;ZHANG Yunlong~ 33:CN ~31:2023113979264 ~32:26/10/2023

2023/10588 ~ Complete ~54:RICE TOLERANCE EXPERIMENTAL DETECTION METHOD AND DEVICE USED ~71:Rice Research Institute, Guangdong Academy of Agricultural Sciences, 3 Jinying East 1st Street, Wushan Road, Guangzhou City, Guangdong Province, 51000, People's Republic of China ~72: FENG Xiaomin;LAI Jinlai;LIU Zhixia;LUAN Xin;LUO Xianyu;SONG Yuhong;WU Yuting;YU Ning;ZHANG Qiang;ZHENG Zepai~

2023/10591 ~ Complete ~54:MANAGEMENT SYSTEM FOR COMMERCIAL CONTRACT SIGNING AND APPLICATION METHOD ~71:MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD, ROOM 9-07-08, BUILDING 1, HENGFENG BUILDING, SHUANGXI WEST ROAD, JIANGNAN STREET, People's Republic of China;XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, NO. 3388, YINGBIN AVENUE, People's Republic of China ~72: HUANG, Ruiyang;HUANG, Yuyun;ZHENG, Rui~ 33:CN ~31:202310168113.1 ~32:21/02/2023

2023/10593 ~ Complete ~54:INTEGRATION OF HIGH FREQUENCY AUDIO RECONSTRUCTION TECHNIQUES ~71:DOLBY INTERNATIONAL AB, Apollo Building, 3E Herikerbergweg, 1-35, 1101 CN, Amsterdam Zuidoost, Netherlands ~72: HEIKO PURNHAGEN;KRISTOFER KJOERLING;LARS VILLEMOES;PER EKSTRAND~ 33:EP ~31:18169156.9 ~32:25/04/2018

2023/10595 ~ Complete ~54:IMPROVEMENTS IN OR RELATING TO DIGESTION OF REACTION PRODUCTS ~71:LUMIRADX UK LTD, 3 More London Riverside, London SE1 2AQ, United Kingdom ~72: KRAYNACK, Bryan;PEREZ, Victor;PROVINS, Jarrod;QUINTILLIANI, Alexis;SHEN, Daiwei~ 33:US ~31:63/193,649 ~32:27/05/2021;33:GB ~31:2108936.2 ~32:22/06/2021

2023/10599 ~ Complete ~54:NOVEL PROMOTER AND USE THEREOF ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: CHOI, Woosung;KIM, Heejung;LEE, Han, Hyoung;LEE, Jaemin;PARK, Goun;PARK, Sojung~ 33:KR ~31:10-2021-0061306 ~32:12/05/2021

2023/10604 ~ Complete ~54:COSMETIC COMPOSITION WITH ENHANCED COLOR STABILITY ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: HASIBA BEKTO;LEI HUANG~ 33:EP ~31:21181573.3 ~32:24/06/2021

2023/10605 ~ Complete ~54:TRANSMISSION CONFIGURATION INDICATIONS FOR DOWNLINK TRANSMISSIONS USING MULTIPLE TRANSMISSION AND RECEPTION POINTS ~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;LING YANG;WENFENG LIU;YANG ZHANG;ZHAOHUA LU~

2023/10600 ~ Complete ~54:SAFETY NEEDLE ASSEMBLY ~71:TERUMO EUROPE NV, Interleuvenlaan 40, Belgium ~72: CASTELEYN, Pieter Nico Jan;DANIELS, Ludo Willy P.;FRIPON, Christian Roland P. P.;VALKENAERS, Hans~ 33:EP ~31:PCT/EP2021/063205 ~32:18/05/2021

2023/10603 ~ Complete ~54:COMPOSITIONS AND METHODS FOR SILENCING CARBONIC ANHYDRASE 2 EXPRESSION ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;JAMES D MCININCH;JEFFREY ZUBER;MARK K SCHLEGEL~ 33:US ~31:63/194,073 ~32:27/05/2021;33:US ~31:63/289,319 ~32:14/12/2021

2023/10594 ~ Complete ~54:NETWORK CONFIGURATION METHOD AND APPARATUS, DEVICE, AND MEDIUM ~71:ZHUHAI PANTUM ELECTRONICS CO., LTD., Building 02, Building 06, Building 08, No. 888, Shengping Avenue, People's Republic of China ~72: HOU, Tao;KONG, Junjie;MENG, Lina;PENG, Jibing;YANG, Zongxin;ZHAO, Jing~ 33:CN ~31:2022115746531 ~32:08/12/2022;33:CN ~31:2022115751991 ~32:08/12/2022

2023/10615 ~ Complete ~54:METHODS OF TREATMENT OF AUTOIMMUNE DISORDERS USING ILT7 BINDING PROTEINS ~71:Viela Bio, Inc., One MedImmune Way, First Floor, Area Two, GAITHERSBURG 20878, MD, USA, United States of America ~72: DRAPPA, Jorn;HAMMOND, Edward;ILLEI, Gabor;RATCHFORD, John;REES, William;YAN, Li~ 33:US ~31:63/183,886 ~32:04/05/2021;33:US ~31:63/197,789 ~32:07/06/2021;33:US ~31:63/242,768 ~32:10/09/2021;33:US ~31:63/249,953 ~32:29/09/2021;33:US ~31:63/326,424 ~32:01/04/2022

2023/10619 ~ Complete ~54:METHOD AND SYSTEM FOR DISCRIMINATING DIGITAL PATHOLOGICAL IMAGES OF COLORECTAL CANCER BASED ON WEAKLY SUPERVISED LEARNING ~71:ZHEJIANG NORMAL UNIVERSITY, 688 Yingbin Road, Jinhua, People's Republic of China ~72: TANG, Chang;XU, Huiying;ZHAO, Jianmin;ZHU, Xinzhong~ 33:CN ~31:202110460404.9 ~32:27/04/2021

2023/10610 ~ Complete ~54:HYDROPHOBIC AND OLEOPHOBIC COATINGS, METHODS OF MAKING SAME AND USES OF SAME ~71:Cornell University, Center for Technology Licensing, 395 Pine Tree Road, Suite 310, ITHACA 14850, NY, USA, United States of America ~72: GENGGENG, Qi;GIANNELIS, Emmanuel~ 33:US ~31:63/182,172 ~32:30/04/2021

2023/10583 ~ Provisional ~54:AN INTER-SURGICAL SCREW CONNECTING ROD ~71:BECKER, Gert Stephanus, 1378b Breyer Avenue, Waverley, South Africa ~72: BECKER, Gert Stephanus~

2023/10609 ~ Complete ~54:MUON TELESCOPE AND NEUTRON DETECTOR, SYSTEM FOR MEASURING AND CHARACTERIZING LARGE VOLUMES, AND METHODS ~71:Konker Innovation LTDA., Avenida Tamboré, 267 - 21º andar, conj. 211B, sala 02, BARUERI 06460000 , BRAZIL, Brazil ~72: GOMEZ GONZALEZ, Luis Fernando;JUNQUEIRA MARTINS, Alexandre Luiz;MASCAGNI FERDINANDO, Erick~ 33:BR ~31:1020210106204 ~32:31/05/2021;33:BR ~31:1020220105731 ~32:30/05/2022

2023/10612 ~ Complete ~54:HYBRID AGGREGATE ~71:CRDC Global Limited, 1st Floor, 6 Lapp's Quay, CORK T12 VY7W, IRELAND, Ireland ~72: THOMSON, Donald~ 33:US ~31:63/178,430 ~32:22/04/2021;33:US ~31:63/332,890 ~32:20/04/2022

2023/10617 ~ Complete ~54:LIQUID POOL SIDE WALL WELDING DEVICE AND WELDING METHOD ~71:State Nuclear Power Plant Service Company, Building 6, Lane 888, Tianlin Road, Minhang District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Xiaofei;FENG, Lifa;GUAN, Guang;GUAN, Zhenggang;LI , Wei;LI, Qinghua;SUN, Zhen;XIE, Chenjiang;YAN, Guohua;YANG, Tao;YE, Chen;YU, Zhaohui;ZENG, Daoying~ 33:CN ~31:202111298730.0 ~32:04/11/2021

2023/10618 ~ Complete ~54:METHOD OF RECONSTITUTING LYOPHILIZED FORMULATION ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: QI, Wei;REN, Cindy~ 33:US ~31:63/216,616 ~32:30/06/2021

. - APPLIED ON 2023/11/16 -

2023/10623 ~ Complete ~54:2SFCA METHOD IMPROVED BASED ON PARK QUALITY AND MULTI-TRANSPORTATION MODE ~71:FUZHOU UNIVERSITY, No. 2 Wulongjiang North Avenue, Fuzhou University Town, Minhou County Fuzhou, Fujian, 350108, People's Republic of China ~72: LIANG Juanzhu;XIE Shunyi~ 33:CN ~31:202310840287 .8 ~32:10/07/2023

2023/10629 ~ Complete ~54:UNMANNED SPECIMEN AUTOMATIC RECEIVING PLATFORM AND CLASSIFICATION METHOD ~71:GUIZHOU MEDICAL UNIVERSITY, Department of Pathology, Affiliated Hospital of Guizhou Medical University, No. 28 Guiyi Street, Yunyan District, Guiyang City, People's Republic of China ~72: JIANG, Dewen;LI, Bin;LIU, Yanjie;LV, Qing~

2023/10622 ~ Complete ~54:BATTERY ELECTRIC VEHICLE (BEV) WITH SELF-GENERATED CONSTANT-TEMPERATURE BATTERY ~71:Baoze Chen, Room 3, Unit 3, Building 1, Pingzhuang tax family building, Yuanbaoshan Dist., Chifeng, Inner Mongolia, People's Republic of China;Xin Lin, Room 3, Unit 3, Building 1, Pingzhuang tax family building, Yuanbaoshan Dist., Chifeng, Inner Mongolia, People's Republic of China ~72: Baoze Chen;Xin Lin~

2023/10630 ~ Complete ~54:A SECURE ENERGY TRANSACTION SYSTEM ~71:GREEN SHARE ENERGY (PTY) LTD, WEDGEFIELD OFFICE PARK, 17 MUSWELL ROAD,, South Africa ~72: WILLIAMS, DESMOND THEMBA~ 33:ZA ~31:2022/09137 ~32:16/08/2022

2023/10625 ~ Complete ~54:COMPOUND LIGUSTICUM WALLICHII AND ANGELICA SINENSIS TOTAL EXTRACT BASED ON SUPERCRITICAL EXTRACTION ~71:Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences, No. 16, Nanxiao Street, Inner Dongzhimen, Dongcheng District,, Beijing,, People's Republic of China ~72: JIN Rixian;LIN Longfei;TIAN Jixiang;ZHANG Dong;ZHAO Xiaoang~

2023/10637 ~ Complete ~54:LIPID NANOPARTICLE COMPOSITIONS ~71:Intellia Therapeutics, Inc., 40 Erie Street, CAMBRIDGE 02139, MA, USA, United States of America ~72: MAETANI, Micah;PARMAR, Rubina Giare;PRODEUS, Aaron;RAKSHE, Vishal;SWAMI, Archana~ 33:US ~31:63/176,227 ~32:17/04/2021;33:US ~31:63/254,948 ~32:12/10/2021;33:US ~31:63/274,153 ~32:01/11/2021;33:US ~31:63/316,568 ~32:04/03/2022

2023/10643 ~ Complete ~54:HANDLING OF MEDIUM ACCESS CONTROL (MAC) ENTITY DURING SECONDARY CELL GROUP (SCG) DEACTIVATION/REACTVATION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: BERGQVIST, Jens;WALLENTIN, Pontus;ZOU, Zhenhua~ 33:US ~31:63/229,570 ~32:05/08/2021

2023/10769 ~ Provisional ~54:AI CAR PROTECTION SYSTEM ~71:Neo Jason Manyaka, R37 Road, Ga-Manyaka, South Africa ~72: Safety Refuge Systems~

2023/10621 ~ Complete ~54:BIOCHAR ADSORBENT MADE FROM JINGGANG HONEY POMELO PEEL, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF TO ADSORPTION OF ARSENIC AND MERCURY IONS ~71:Ji'an College, Ji'an South Avenue, Jizhou District, Ji'an City, Jiangxi Province, 343000, People's Republic of China;THE JI'AN CITY COMMITTEE OF JIUSAN SOCIETY, 7th Floor, Block B, Chengnan Administrative Center, Ji'an City, Jiangxi Province, 343000, People's Republic of

China ~72: FENG,Wenwen;GUO, Qi;JIN, Yuanbao;LI, Jie;LIU, Yuying;PENG, Weifu;TANG, Hongying;XIAO, Na;ZHOU, Huang~ 33:CN ~31:2023110920131 ~32:28/08/2023

2023/10641 ~ Complete ~54:N-(HYDROXYALKYL (HETERO)ARYL) TETRAHYDROFURAN CARBOXAMIDES AS MODULATORS OF SODIUM CHANNELS ~71:VERTEX PHARMACEUTICALS INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: ANISA NIZARALI VIRANI;BHAIRAVI GALAN;CHRISTOPHER WRAY;DAVID MATTHEW SHAW;DEAN STAMOS;DENNIS JAMES HURLEY;ELIZABETH MARY BECK;EWA IWONA CHUDYK;GORKA ETXEBARRIA JARDI;JAMES DODD;JINGLAN ZHOU;JOANNE LOUISE PINDER;JOSEPH PONTILLO;KIRI NORTH;LIDIO MARX CARVALHO MEIRELES;MICHAEL EDWARD O'DONNELL;NADIA M AHMAD;ROBERT PULLIN;RONALD MARCELLUS KNEGTEL;SARA S HADIDA RUAH;SARAH SKERRATT;STEPHEN ANDREW THOMSON;STEVEN JOHN DURRANT;TIMOTHY DONALD NEUBERT;YVONNE SCHMIDT~ 33:US ~31:63/196,946 ~32:04/06/2021

2023/10620 ~ Provisional ~54:MEGA GENERATOR RENEWABLE ENERGY GENERATOR ~71:Mpho Godfrey Moloko, 1228 zone 2 Itsoseng Ditsobotla, South Africa ~72: Mpho Godfrey Moloko~ 33:ZA ~31:1 ~32:15/11/2023

2023/10633 ~ Complete ~54:EXTENDABLE ARM FOR A CENTRE PIVOT IRRIGATION SYSTEM ~71:BRITS, BAREND CHRISTOFFEL, Farm Hongerspoort, South Africa ~72: BRITS, BAREND CHRISTOFFEL~ 33:ZA ~31:2021/03488 ~32:24/05/2021

2023/10730 ~ Complete ~54:ELECTRICAL POWER TRANSMISSION ~71:ENERTECHNOS LIMITED, 19 Kingsmill Business Park Capel Mill Road Kingston Upon Thames, United Kingdom ~72: HAJILOO, Ashkan Daria;SALEHI-MOGHADAM, Mansour~ 33:GB ~31:2016055.2 ~32:09/10/2020;33:EP ~31:21164988.4 ~32:25/03/2021

2023/10626 ~ Complete ~54:AN EXERCISE PHYSIOLOGY TELEMETRY EXERCISE CARDIOPULMONARY TESTER ~71:The Affiliated Hospital of Qingdao University, No. 16, Jiangsu Road, Shinan District, Qingdao City, Shandong Province, 266003, People's Republic of China ~72: Zhexun Lian~

2023/10632 ~ Complete ~54:TOP COVER FOR PROTECTING A BASE EDGE ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: SERRURIER, Douglas C.;WELLS, Corey Michael~ 33:US ~31:17/325,410 ~32:20/05/2021

2023/10639 ~ Complete ~54:INTERLEUKIN 15 VARIANTS ~71:CYTUNE PHARMA, 3 chemin Pressoir Chenaie, France;SOTIO BIOTECH A.S., Ceskomoravská 2532/19b, Czech Republic ~72: David BÉCHARD;Eva NEDVEDOVÁ;Guy Luc Michel DE MARTYNOFF;Irena ADKINS;Iva VALENTOVÁ;Lenka KYRYCH SADILKOVA;Lorenz WALDMEIER;Lukas BAMMERT;Roger Renzo BEERLI;Sárka PECHOUCKOVÁ;Simona HOSKOVÁ;Ulrich MOEBIUS;Zuzana ANTOSOVÁ~ 33:EP ~31:21181261.5 ~32:23/06/2021

2023/10646 ~ Complete ~54:IONIC LIQUID FORMULATIONS FOR TREATING INFLAMMATORY AND AUTOIMMUNE DISEASES ~71:I2O THERAPEUTICS, INC., 610 Main Street, Cambridge, United States of America ~72: BROWN, Tyler;IBSEN, Kelly~ 33:US ~31:63/184,333 ~32:05/05/2021

2023/10648 ~ Complete ~54:VIBRATORY SCREENER ~71:VIBRA MASCHINENFABRIK SCHULTHEIS GMBH & CO., Im Grossen Ahl 0, 63075, Offenbach, Germany ~72: SCHULTHEIS, Winfried~

2023/10627 ~ Complete ~54:RAPID DETECTION AND EVALUATION METHOD FOR THE COMPACTION QUALITY OF THE INORGANIC STABILIZED GRANULAR BASE OF THE ROAD ~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: Daying ZHANG;Fengxia JIANG;Guangtao ZHAO;Jiashu LI;Long WANG;Shida CHEN;Xiaoguang XIE;Youchang ZHANG;Yuli CHANG;Zhiqiang WANG~

2023/10635 ~ Complete ~54:DYNAMICALLY CONFIGURABLE HARDWARE SYSTEM FOR MOTOR SYSTEM AND METHOD FOR OPERATING SAME ~71:Tau Motors, Inc., 1104 Main St., REDWOOD CITY 94063, CA, USA, United States of America ~72: DA COSTA, Anthony;PENNINGTON III, Walter Wesley;PREINDL, Matthias;RUBIN, Mathew J.;STEVENSON, Gregory Gordon;SWINT, Ethan Bagget~ 33:US ~31:63/188,374 ~32:13/05/2021

2023/10645 ~ Complete ~54:HAND-HELD MACHINE FOR REMOVING A FRICTION-WELDED ELEMENT FROM A COMPONENT ASSEMBLY ~71:EJOT SE & CO. KG, Astenbergstrasse 21, Germany ~72: MUELLER, Toni;WERKMEISTER, Marco~ 33:DE ~31:10 2021 112 905.2 ~32:18/05/2021

2023/10628 ~ Complete ~54:CONTROLLING AN ANTI-THEFT DEVICE ~71:HARDCORE AUTOMOTIVE LOCKING TECHNOLOGIES (PTY) LTD, c/o Gerhard Lourens Inc, Jolin House, Cnr of Marltoh & van der Merwe Street, NELSPRUIT 1200, SOUTH AFRICA, South Africa ~72: TALJAARD, Philippus Petrus Erasmus~

2023/10624 ~ Complete ~54:ASSESSMENT METHOD OF TERRESTRIAL VEGETATION RESPONSE TO DROUGHT BASED ON MULTI-SOURCE REMOTE SENSING DATA ~71:FUZHOU UNIVERSITY, No. 2 Wulongjiang North Avenue, Fuzhou University Town, Minhou County Fuzhou, Fujian, 350108, People's Republic of China ~72: DONG Xiujuan;LIANG Juanzhu~ 33:CN ~31:202310904532 .7 ~32:22/07/2023

2023/10640 ~ Complete ~54:METHODS OF REDUCING THE RISK OF HEART FAILURE ~71:AMARIN PHARMACEUTICALS IRELAND LIMITED, 88 Harcourt Street, Dublin 2, Dublin, D02DK18, Ireland ~72: PARESH SONI~ 33:US ~31:63/177,723 ~32:21/04/2021

2023/10642 ~ Complete ~54:PROCESS FOR THE SYNTHESIS OF SUBSTITUTED TETRAHYDROFURAN MODULATORS OF SODIUM CHANNELS ~71:VERTEX PHARMACEUTICALS INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: ANDREW MCTIERNAN;BERENICE L LEWANDOWSKI;BRUNO ARTUR SOUSA;CHRISTOPHER JOHN DAVIS;CRISTIAN HARRISON;ENRICO EMER;MANINDER PANESAR;MICHAEL EDWARD O'DONNELL;MIREIA SIDERA PORTELA;SHUJAUDDIN M CHANGI;SIMON ROBERT EVERITT;STEPHEN SHANAHAN;THARANGA K WIJETHUNGA~ 33:US ~31:63/196,868 ~32:04/06/2021

2023/10636 ~ Complete ~54:INHIBITORS OF DNA-DEPENDENT PROTEIN KINASE AND COMPOSITIONS AND USES THEREOF ~71:Intellia Therapeutics, Inc., 40 Erie Street, CAMBRIDGE 02139, MA, USA, United States of America ~72: FORGET, Anthony;MAETANI, Micah;PARMAR, Rubina Giare;PRODEUS, Aaron;XIE, Xin Jenny;YAZINSKI, Stephanie~ 33:US ~31:63/176,225 ~32:17/04/2021

2023/10644 ~ Complete ~54:AUTOMATED IN-STORE EXECUTION ISSUE RESOLUTION SYSTEM ~71:FRITO-LAY NORTH AMERICA, INC., 7701 Legacy Drive, United States of America ~72: KAMPE, Brian Corbett;PHILLIPS, John Stanley;SCHIMICK, Kimberly Diane;SIMPSON, Vergil Lavell;SMITH, Andrew Troy~ 33:US ~31:17/351,678 ~32:18/06/2021

2023/10631 ~ Complete ~54:RECIRCULATION DEVICE FOR RECIRCULATING ANODE EXHAUST GAS IN A FUEL CELL SYSTEM ~71:AVL LIST GMBH, Hanz-List-Platz 1, Austria ~72: HOFER, Marlies;MATHÈ, Jörg;NEUBAUER, Raphael;PÖSCHL, Robert;REITER, Bernd;SCHLUCKNER, Christoph~ 33:AT ~31:A 50387/2021 ~32:18/05/2021

2023/10634 ~ Complete ~54:LIPID NANOPARTICLE COMPOSITIONS ~71:Intellia Therapeutics, Inc., 40 Erie Street, CAMBRIDGE 02139, MA, USA, United States of America ~72: MAETANI, Micah;PARMAR, Rubina Giare;PRODEUS, Aaron;RAKSHE, Vishal;SWAMI, Archana~ 33:US ~31:63/176,228 ~32:17/04/2021;33:US ~31:63/274,171 ~32:01/11/2021;33:US ~31:63/316,575 ~32:04/03/2022

2023/10638 ~ Complete ~54:RECIRCULATION DEVICE FOR RECIRCULATING ANODE EXHAUST GAS AS RECIRCULATION GAS IN A FUEL CELL SYSTEM ~71:AVL LIST GMBH, Hanz-List-Platz 1, Austria ~72: HOFER, Marlies;MATHÈ, Jörg;NEUBAUER, Raphael;PÖSCHL, Robert;REITER, Bernd;SCHLUCKNER, Christoph~ 33:AT ~31:A 50384/2021 ~32:18/05/2021

2023/10647 ~ Complete ~54:PLASMA ARC PROCESS AND APPARATUS FOR THE PRODUCTION OF FUMED SILICA ~71:HPQ SILICA POLVERE INC., 3000, Omer-Lavallée St. Suite 306 Montréal, Canada ~72: CARABIN, Pierre;GAGNON, Jean-René;SHAHVERDI, Ali~ 33:US ~31:63/189,069 ~32:15/05/2021

. - APPLIED ON 2023/11/17 -

2023/10661 ~ Complete ~54:AN ANALYTICAL DEVICE AND METHOD APPLIED TO ENTERPRISE CARBON EMISSION REDUCTION ~71:Huainan Normal University, Dongshan West Road, Quanshan Campus of Huainan Normal University, Tian Jia'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: Xia Yang;Xiangwei Wang;Yang Zhao;Yuan Yuan~

2023/10678 ~ Complete ~54:METHOD FOR ALLOWING IMMUNE CELLS INFILTRATION IN TUMORS ~71:Alethia Biotherapeutics Inc., 141, Président-Kennedy avenue, Suite SB-5100, MONTRÉAL H2X 1Y4, QUÉBEC, CANADA, Canada ~72: FILION, Mario~

2023/10682 ~ Complete ~54:NICOTINAMIDE RIPK1 INHIBITORS ~71:AbbVie Inc., 1 North Waukegan Road, NORTH CHICAGO 60064, IL, USA, United States of America ~72: ARGIRIADI, Maria Anastasia;CUSACK, Kevin Patrick;DEXTER, Hannah;FORDYCE, Euan;HOEMANN, Michael Zeller;KINSMAN, David Andrew;O'REILLY, Ciaran;OSMAN, Sami;ST. GALLAY, Steve;STAMBULI, James Patrick~ 33:US ~31:63/231,590 ~32:10/08/2021

2023/10656 ~ Complete ~54:METHOD FOR EXPLOITING OIL AND GAS PRODUCTS FROM UNDERGROUND THIN AND MEDIUM-THICK OIL SHALE ORE BEDS THROUGH PYROLYSIS ~71:Huating Coal Industry Group Chicheng Coal Mine Co., Ltd., No. 1, Lijiagoumen Community, Shuimo Village, Huanghua Township, Chongxin County, Pingliang City, Gansu Province, 744000, People's Republic of China ~72: JIN, Fadong;WANG, Qiang;WANG, Qianqian~

2023/10669 ~ Complete ~54:GUIDED CARTRIDGE BELT CLEANER ~71:FLEXIBLE STEEL LACING COMPANY, 2525 Wisconsin Avenue, United States of America ~72: DEVRIES, Brett E.~ 33:US ~31:63/190,590 ~32:19/05/2021

2023/10688 ~ Complete ~54:LIPID PARTICLES CONTAINING A TRUNCATED BABOON ENDOGENOUS RETROVIRUS (BAEV) ENVELOPE GLYCOPROTEIN AND RELATED METHODS AND USES ~71:SANA BIOTECHNOLOGY, INC., 188 East Blaine Street, Suite 400, Seattle, Washington, 98102, United States of America ~72: MICHAEL J VOLLES;RICHARD C MULLIGAN~ 33:US ~31:63/194,880 ~32:28/05/2021

2023/10664 ~ Complete ~54:A COMPUTER-IMPLEMENTED REAL ESTATE ACQUISITION PLATFORM ~71:NDLOVU PHILANI, 1 River Lane, Lunakloof Estate, Zimbabwe ~72: NDLOVU PHILANI~ 33:AP ~31:AP/P/2023/015054 ~32:03/08/2023

2023/10671 ~ Complete ~54:METHOD FOR ASSEMBLING A FLOATING SOLAR SYSTEM, AND CORRESPONDING SYSTEM ~71:Etienne MENARD, 283, rue Bouvard Dessus, France;HELIOSLITE, Savoie Technolac, 17, avenue du Lac Léman Bâtiment Lama, France ~72: MENARD, Etienne~

2023/10681 ~ Complete ~54:NEW FORMULATION ~71:Medincell SA, 3 rue des Frères Lumière, JACOU 34380, FRANCE, France ~72: ABBASSI, Myriam;FERRAND, Maria;LELAMER, Sophie;REY, Elodie;SANTA, Lilian~ 33:EP ~31:21305559.3 ~32:30/04/2021

2023/10657 ~ Complete ~54:A CULTIVATION CONTROL EQUIPMENT FOR ENHANCING THE FLOWER COLOR PHENOTYPE OF LILY BY APPLYING UV-B RADIATION ~71:Flower Research Institute, Yunnan Academy of Agricultural Sciences, No.2238, Beijing Road, Panlong District, Kunming City, Yunnan Province, 650205, People's Republic of China ~72: Guangfen Cui;Jihua Wang;Lan Ma;Lulin Ma;Qing Duan;Tianjiao Gu;Wenjie Jia;Wenwen Du;Xiang Li;Xiangning Wang~

2023/10660 ~ Complete ~54:AN EFFICIENT MIXING DEVICE FOR SOIL REMEDIATION AGENT FOR ECOLOGICAL RESTORATION ~71:Yunnan Agricultural University, Yunnan Agricultural University, No. 452, Fengyuan Road, Panlong District, Kunming City, Yunnan Province, 650000, People's Republic of China ~72: Jianhua Li~

2023/10668 ~ Complete ~54:PHARMACEUTICAL COMPOUND ~71:GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GSK Medicines Research Centre, Gunnels Wood Road, United Kingdom ~72: BUENO CALDERON, Jose Maria;DENNIS, Kate C;MANZANO-CHINCHON, M Pilar;PUENTE-FELIPE, Margarita~ 33:EP ~31:21382532.6 ~32:15/06/2021

2023/10672 ~ Complete ~54:A SCENARIO-BASED MULTI-SOURCE DATA FUSION ANALYSIS METHOD, SYSTEM AND RELATED EQUIPMENT ~71:NORTHWESTERN POLYTECHNICAL UNIVERSITY, 127 Friendship Road West, Beilin District, Xi'an City, Shaanxi Province, 710072, People's Republic of China ~72: Ji Wang;Lulu Xue;Yang Qin;Yanning Zhang~

2023/10650 ~ Provisional ~54:THE SOLAR POWERED CSP-PV SHIP ISLANDS (HYDROGEN) ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2023/10652 ~ Provisional ~54:DIY - PICKET FENCE ~71:STEPHAN SMITH, 189 Gardenia Street, Craigieburn, South Africa ~72: STEPHAN SMITH~

2023/10653 ~ Complete ~54:PREPARATION AND APPLICATION OF DOPAMINE MODIFIED COATED ASPHALT-BASED CARBON SUPERCAPACITOR MATERIAL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DANG Liyun;GAO Yuan;HU Jiyong;LIU Mengjiao;PENG Lansi;WANG Kun;YANG Yilong;ZHANG Qingyuan;ZHANG Shuaiguo~

2023/10667 ~ Complete ~54:ANTISENSE NUCLEIC ACID INDUCING SKIPPING OF EXON 51 ~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: KANAME MUCHIMA;SAKI HASEGAWA;SHIN'ICHI TAKEDA;TAKAHIRO FUKUI;YOSHITSUGU AOKI;YU HONDA~ 33:JP ~31:2020-033483 ~32:28/02/2020

2023/10675 ~ Complete ~54:ORAL CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: MELLO, Sarita Vera;MUIR, Melissa;NAKAJIMA, Murilo Nogueira;PIMENTA, Paloma;TANG, Saide;UTIMA, Enzo;WON, Betty;XU, Guofeng~ 33:US ~31:63/193,479 ~32:26/05/2021

2023/10687 ~ Complete ~54:SEALING BODY FOR SYRINGE ~71:KORTUC JAPAN LLC, Shiroyama Trust Tower, 4F, 4-3-1 Toranomon, Minato-ku , Tokyo, 1056004, Japan;TAISEI KAKO CO., LTD., 8-1, Toyosaki 6-chome, Kita-ku, Osaka-shi, Osaka, 5310072, Japan ~72: KEISUKE YOSHINAGA;SHOGO YAMASHITA;TAIJI HORITA;TOMOYUKI SONOYAMA~ 33:JP ~31:2022-060385 ~32:31/03/2022

2023/10649 ~ Provisional ~54:ELECTRICITY GENERATION ~71:Whybrow, John Sheldon, 18 Church Street, Swellendam 6740, Western Cape, SOUTH AFRICA, South Africa ~72: Whybrow, John Sheldon~

2023/10655 ~ Complete ~54:A NEGATIVE PRESSURE SUCTION FIXTURE ~71:PEOPLE'S HOSPITAL OF ANSHUN CITY GUIZHOU PROVINCE, No. 140, Huangguoshu Street, Xixiu District, Anshun, Guizhou, People's Republic of China ~72: Yong Xiang~

2023/10666 ~ Complete ~54:ATTENUATED AFRICAN SWINE FEVER VIRUS VACCINE ~71:THE PIRBRIGHT INSTITUTE, Ash Road, Pirbright Woking, Surrey, GU24 0NF, United Kingdom ~72: ANNA-LUISA REIS;CHARLES ABRAMS;CHRIS NETHERTON;DAVE CHAPMAN;LINDA DIXON;PEDRO SANCHEZ-CORDON~ 33:GB ~31:1410971.4 ~32:19/06/2014

2023/10674 ~ Complete ~54:NANOPORE PROTEOMICS ~71:RIJKSUNIVERSITEIT GRONINGEN, Broerstraat 5, Netherlands ~72: LUCAS, Florian Leonardus Rudolfus;MAGLIA, Giovanni;VERSLOOT, Roderick Corstiaan Abraham~ 33:EP ~31:21174437.0 ~32:18/05/2021

2023/10679 ~ Complete ~54:PROCESS FOR PREPARING CARBODIIMIDES ~71:LANXESS Deutschland GmbH, Kennedyplatz 1, KÖLN 50569, GERMANY, Germany ~72: LAUFER, Wilhelm~ 33:EP ~31:21169385.8 ~32:20/04/2021

2023/10683 ~ Complete ~54:SILICIC ACID IN AQUACULTURE ~71:Barlaa B.V., Herengracht 40, MUIDEN 1398 AB, THE NETHERLANDS, Netherlands ~72: LAANE, Henk Maarten;VAN STEE, Cornelis Hendrik Geuvel~ 33:EP ~31:21174738.1 ~32:19/05/2021

2023/10685 ~ Complete ~54:A CONSUMABLE FOR USE WITH AN AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, GREATER LONDON, UNITED KINGDOM, United Kingdom ~72: AOUN, Walid Abi;ASHRAF, Muhammad Fahim Ashraf~ 33:GB ~31:2107265.7 ~32:20/05/2021

2023/10689 ~ Complete ~54:HYPOIMMUNOGENIC RHD NEGATIVE PRIMARY T CELLS ~71:SANA BIOTECHNOLOGY, INC., 188 East Blaine Street, Suite 400, Seattle, Washington, 98102, United States of America ~72: SONJA SCHREPFER~ 33:US ~31:63/190,685 ~32:19/05/2021;33:US ~31:63/255,803 ~32:14/10/2021

2023/10654 ~ Complete ~54:DEVICE FOR PREPARING ASPHALT-BASED CARBON MATERIALS WITH HIERARCHICAL STRUCTURE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DANG Liyun;GUO Yan;JIN MengRu;LIU Mengjiao;PENG Lansi;WANG Kun;WU Yuhuan;YANG Yilong;ZHANG Shuaiguo~

2023/10659 ~ Complete ~54:MEDICAL HIGH-STRENGTH AND LOW-ELASTIC ZINC-TITANIUM DEGRADABLE COMPOSITE MATERIAL WITH NANO CORE-SHELL STRUCTURE, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:ZHONGNAN HOSPITAL OF WUHAN UNIVERSITY, 169 Donghu Road, Wuchang District, Wuhan City, Hubei Province, People's Republic of China ~72: CHENG Bo;LI Chenglin;LI Yanyun;LI Yue;MA Li;WENG Xiuhong;YANG Fuhua;ZHAO Siyu~ 33:CN ~31:202310705637X ~32:13/06/2023

2023/10662 ~ Complete ~54:A SAFETY ANALYSIS METHOD FOR NUCLEAR POWER PLANTS USING RELAP5 AND MCDET COUPLED PARALLEL COMPUTING AND DET BRANCH TRUNCATION IS PROPOSED ~71:Harbin Engineering University, No. 145 Nantong Street, Nangang District, Harbin City, Heilongjiang Province, 150001, People's Republic of China ~72: Haoyi CHEN;He WANG;Lei LI;Qiang ZHAO~ 33:CN ~31:2022114815426 ~32:24/11/2022

2023/10665 ~ Complete ~54:ATTENDANCE DEVICE FOR HIGHER EDUCATION MANAGEMENT ~71:Zhejiang Normal University, No.688 Yingbin Road, Wucheng district, Jinhua city, Zhejiang Province, 321004, People's Republic of China ~72: Li Jiayu;Zhao Lili~

2023/10676 ~ Complete ~54:ORAL CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: NAKAJIMA, Murilo Nogueira;PIMENTA, Paloma;TANG, Saide;UTIMA, Enzo;XU, Guofeng~ 33:US ~31:63/193,481 ~32:26/05/2021

2023/10684 ~ Complete ~54:METHOD FOR DETECTING OPTICAL DEFECTS WITHIN WINDSHIELD ~71:Saint-Gobain Glass France, Tour Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: RYBARCZYK, Théo~ 33:EP ~31:21175028.6 ~32:20/05/2021

2023/10677 ~ Complete ~54:MICROWAVE WASTE HEATING SYSTEM AND RELATED FEATURES ~71:A.L.M. Holding Company, 920 10th Avenue North, ONALASKA 54650, WI, USA, United States of America ~72: FREDERIXON, Drew J.;HEHIR, Jacob G.;REINKE, Gerald H.~

2023/10651 ~ Provisional ~54:A COMPUTER-IMPLEMENTED HOSPITALITY MANAGEMENT SYSTEM ~71:MULLER, Sandy, 101 MALHERBE ST., CLARENS, FREE STATE, 9707, SOUTH AFRICA, South Africa ~72: MULLER, Sandy;MULLER, Shane~

2023/10673 ~ Complete ~54:INTERLEUKIN-15 BASED IMMUNOCYTOKINES ~71:CYTUNE PHARMA, 3 chemin Pressoir Chenaie, France ~72: David BÉCHARD;Eva NEDVEDOVA;Guy Luc Michel DE MARTYNOFF;Irena ADKINS;Iva VALENTOVÁ;Lenka KYRYCH SADILKOVA;Lorenz WALDMEIER;Lukas BAMMERT;Roger Renzo BEERLI;Sárka PECHOUCKOVÁ;Simona HOSKOVÁ;Ulrich MOEBIUS;Zuzana ANTOSOVÁ~ 33:EP ~31:21181271.4 ~32:23/06/2021;33:EP ~31:22163748.1 ~32:23/03/2022

2023/10663 ~ Complete ~54:IMMUNOGENIC COMPOSITIONS TO TREAT AND PREVENT MICROBIAL INFECTIONS ~71:LONGHORN VACCINES & DIAGNOSTICS, LLC, 2 Bethesda Metro Center, United States of America ~72: DAUM, Luke T.;FISCHER, Gerald W.;SEI, Clara J.~ 33:US ~31:62/971,036 ~32:06/02/2020;33:US ~31:62/971,654 ~32:07/02/2020;33:US ~31:63/109,966 ~32:05/11/2020

2023/10670 ~ Complete ~54:A PRACTICAL TRAINING PLATFORM AND AN ECONOMIC MANAGEMENT TEACHING SYSTEM ~71:Taishan University, No. 525, Dongyue Street, Daiyue District, Tai’an City, Shandong Province, 271000, People's Republic of China ~72: Hongrui Zhao~

2023/10680 ~ Complete ~54:AN ANTI-TSLP FAB WITH IMPROVED STABILITY ~71:MedImmune Limited, 1 Francis Crick Avenue, Cambridge Biomedical Campus, CAMBRIDGE CB2 0AA, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: COHEN, Emma Suzanne;HUNTINGTON, Catherine Eugenie;KOLBECK, Roland Wilhelm~ 33:EP ~31:21169183.7 ~32:19/04/2021

2023/10690 ~ Provisional ~54:HEAD-COOLING HEADGEAR ~71:BONOLO PATRICK BANTOBETSE, 40 TEAROSE STREET, TERENURE EXTENSION 16,, South Africa ~72: BONOLO PATRICK BANTOBETSE~

2023/10658 ~ Complete ~54:METHOD FOR RESEARCHING PREDATION EFFECT OF PREDATORY MITES ON BRADYSIA ODORIPHAGA ~71:Anqiu Bureau of Agriculture and Rural Areas, 70 Xin'an Road, Anqiu, Weifang, Shandong Province, People's Republic of China;Dezhou Academy of Agricultural Sciences, 926 Dexing Middle Avenue, Decheng District, Dezhou City, Shandong Province, People's Republic of China ~72: HAN Bing;HAN Shuang;LI Na;WANG Hongdong~

2023/10686 ~ Complete ~54:CHECKPOINT KINASE 1 (CHK1) INHIBITORS AND USES THEREOF ~71:BOUNDLESS BIO, INC., 9880 Campus Point Drive, Suite 120, United States of America ~72: ELSDON, Rachelle Janette;MAUGER, Jacques;MEYER, Stephen Todd;PINKERTON, Anthony B.;TRUONG, Yen Pham Hong~ 33:US ~31:63/193,990 ~32:27/05/2021

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2023/10714 ~ Complete ~54:A HYDROGENATION CATALYST AND ITS PRECURSOR COMPRISING NI, AL, AND A SUPPORT MATERIAL COMPRISING SIO2 ~71:IQATALYST B.V., Strijkviertel 61, Netherlands ~72: KAMSMA, Gerda;TERORDE, Robert;YARULINA, Irina~ 33:EP ~31:21175230.8 ~32:21/05/2021

2023/10718 ~ Complete ~54:HIGH CONCENTRATION BISPECIFIC ANTIBODY FORMULATIONS ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: KNOBLAUCH, Roland;TORNE, Satyen~ 33:US ~31:63/177,518 ~32:21/04/2021;33:US ~31:63/180,690 ~32:28/04/2021;33:US ~31:63/309,230 ~32:11/02/2022

2023/10722 ~ Complete ~54:SULFONAMIDE OREXIN RECEPTOR AGONISTS AND USES THEREOF ~71:Jazz Pharmaceuticals Ireland Limited, Waterloo Exchange, Waterloo Road, DUBLIN 4, IRELAND, Ireland ~72: BEATO, Claudia;CHOVATIA, Prafulkumar;MARINELLI, Davide;OUVRY, Gilles~ 33:US ~31:63/215,054 ~32:25/06/2021

2023/10726 ~ Complete ~54:MICROBIOCIDAL TETRAHYDROISOQUINOLINE DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BIGOT, Aurelien;COMPAGNONE, Nicola;EDMUNDS, Andrew;EL QACEMI, Myriem;FINKBEINER, Peter;JUNG, Pierre Joseph Marcel;LAMBERTH, Clemens;LUMBROSO, Alexandre Franco Jean Camille;MAHAJAN, Atul;POULIOT, Martin;SCARBOROUGH, Christopher Charles;STIERLI, Daniel;WILLIAMS, Simon~ 33:IN ~31:202111024417 ~32:01/06/2021;33:EP ~31:21202529.0 ~32:13/10/2021

2023/10697 ~ Complete ~54:INFORMATION MANAGEMENT METHOD AND SYSTEM FOR ENGINEERS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: JIE Chaoyang;LIU Lei;LIU Yanli;YIN Xupeng;ZHANG Dali~

2023/10731 ~ Provisional ~54:LICENCE CUTTER ~71:Dennis van Niekerk, Unit 3A Harbour Park, 1059 Schooner Road, Laser Park, South Africa;Diane van Niekerk, Unit 3A Harbour Park, 1059 Schooner Road, Laser Park, South Africa;Dirk Theodorus Bisschoff, 25 Crescendo Lane, 36 Windsor Way, Olivedale, South Africa;Vanessa Elizabeth Bischoff, 25 Crescendo Lane, 36 Windsor Way, Olivedale, South Africa ~72: Dennis van Niekerk (40%);Diane van Niekerk (10%);Dirk Theodorus Bisschoff (40%);Vanessa Elizabeth Bischoff (10%)~

2023/10732 ~ Provisional ~54:ACHILLES GUARD ~71:BONOLO PATRICK BANTOBETSE, 40 TEAROSE STREET, TERENURE EXTENSION 16,, South Africa ~72: BONOLO PATRICK BANTOBETSE~

2023/10728 ~ Complete ~54:VEHICLE WARNING SYSTEM ~71:STELLA CONSULTING SERVICES (PTY) LTD, 365 Nkwazi Ridge Estate, South Africa ~72: MARAIS, Louis James~ 33:ZA ~31:2021/02596 ~32:20/04/2021

2023/10696 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING CHRONIC COUGH IN DOGS AND APPLICATION THEREOF ~71:Northeast Agricultural University, No. 600, Changjiang Road, Xiangfang District, Harbin City, Heilongjiang Province, People's Republic of China;Sichuan Academy of Chinese Medicine Sciences, No. 51, Section 4, Renmin South Road, Chengdu, Sichuan Province, People's Republic of China ~72: CHEN Tiezhu;DONG Han;FEI Shanshan;HAN Tianyu;LI Zhiyue;LIU Yiding;LIU Zhaoyang;LIU Zhijun;SHAO Bing;SHI Guangliang;TAI Tiange;WANG Chen;WANG Lulu;YAN Liangchun;YANG Yu;ZHANG Lei~ 33:CN ~31:2023114153181 ~32:27/10/2023

2023/10700 ~ Complete ~54:AN INNOVATIVE GADGET FOR CONTROLLING WANDERING ANIMALS TO ENHANCE ROAD SAFETY ~71:Abhijit Vijaykumar Mophare, 37, Kalyani, Datta Nagar, Near Kumathekar Hospital, Jule Solapur, Solapur, MAHARASHTRA, 413004, India;Amol Anand Phatak, C 801, Aashray Apartments, 117/2/4/B-1, Near old IMS School, Shriram Chowk, Jule Solapur, MAHARASHTRA, 413007, India;Avinash Kashinath Lavnis, 584, South Kasba, Solapur, MAHARASHTRA, 413007, India;Dr. V. Srinivasa Rao, VelTech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, 400 feet Outer Ring Road, Avadi, Chennai, Chennai, Tamil Nadu, 600062, India;Vinayak Vidyasagar Pottigar, Bhudevi heights, plot no 34A/1/7, flat no 15, new pachha peth, Geeta Nagar, near old walchand college, Solapur, MAHARASHTRA, 413006, India ~72: Abhijit Vijaykumar Mophare;Amol Anand Phatak;Avinash Kashinath Lavnis;Dr. V. Srinivasa Rao;Vinayak Vidyasagar Pottigar~

2023/10702 ~ Complete ~54:TROPISM-MODIFIED RECOMBINANT VIRAL PARTICLES AND USES THEREOF FOR THE TARGETED INTRODUCTION OF GENETIC MATERIAL INTO HUMAN CELLS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: ECONOMIDES, Aris, N.;KYRATSOUS, Christos;MURPHY, Andrew, J.;SABIN, Leah;SCHOENHERR, Christopher~ 33:US ~31:62/525,708 ~32:27/06/2017

2023/10705 ~ Complete ~54:METHOD FOR CULTIVATING GRAPE VARIETIES BASED ON IMPROVED EMBRYO CULTURE TECHNOLOGY ~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: Bai Shijian;Gao Ming;Han Shouan;Shi Wei;Vivek Yadav;Wang Min;Wang Xu;Wu Jiuyun;Wu Xinyu;Zhang Chuan;Zhang Fuchun;Zhang Songlin;Zhang Wen;Zhong Haixia;Zhou Xiaoming~

2023/10698 ~ Complete ~54:PLANTING METHOD FOR IMPROVING POPULATION DENSITY OF APOCYNUM VENETUM L. IN YELLOW RIVER DELTA BY USING REED STALKS ~71:Shandong Academy of Agricultural Sciences, 202 Gongye North Road, Jinan City, Shandong Province, 250000, People's Republic of China ~72: Dong Hongyun;Li Xinhua;Liu Hongyuan;Qi Gaoxiang;Wang Nana;Wang Yanjun;Zhang Yan~ 33:CN ~31:2023113867964 ~32:25/10/2023

2023/10716 ~ Complete ~54:COMPOUNDS FOR USE IN THE TREATMENT OF HYPERPROLIFERATIVE DISORDERS ~71:FUNDACIÓ PRIVADA INSTITUT D'INVESTIGACIÓ ONCOLÒGICA DE VALL HEBRON, Natzaret, 115-117, E-08035, Barcelona, Spain;INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS, Passeig Lluís Companys, 23, E-08010, Barcelona, Spain;UNIVERSITAT DE BARCELONA, Centre de Patents de la UB, Baldiri Reixac 4 - Torre D, 08028, Barcelona, Spain ~72: CARLOS GALDEANO CANTADOR;DIEGO MUÑOZ-TORRERO LÓPEZ-IBARRA;HÉCTOR GARCÍA PALMER;ISABEL PUIG BORREIL;JOSEP TABERNERO CATURLA;SERGIO RUIZ CARMONA;XAVIER BARRIL ALONSO~ 33:EP ~31:21382343.8 ~32:21/04/2021

2023/10721 ~ Complete ~54:MAIZE POLLEN STORAGE AND CARRIER ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4059, SWITZERLAND, Switzerland ~72: CARTER, Jared;DINWIDDIE, Jay Austin;HILL-SKINNER, Sarah~ 33:US ~31:63/214,384 ~32:24/06/2021;33:US ~31:63/289,299 ~32:14/12/2021

2023/10725 ~ Complete ~54:REAL TIME DETECTION OF SOLIDS CONTENT IN AQUEOUS COLLOIDAL DISPERSIONS SUCH AS OIL SANDS TAILINGS USING MICROWAVE SENSORS ~71:Kemira Oyj, Energiakatu 4, HELSINKI 00180, FINLAND, Finland ~72: GREUS, Sampsa;HESAMPOUR, Mehrdad~ 33:US ~31:63/195,430 ~32:01/06/2021;33:FI ~31:20216087 ~32:20/10/2021

2023/10729 ~ Complete ~54:POF MULTI-STATION CUTTING UNIT ~71:HUANGSHAN ZHIDE NEW MATERIAL TECHNOLOGY CO., LTD, 86 Yingbin Avenue, Huizhou District, Huangshan City, People's Republic of China ~72: GUO, Biwei;ZHANG, Songzhang~ 33:CN ~31:202310641188.7 ~32:01/06/2023

2023/10693 ~ Complete ~54:DEVICE FOR COLLECTING, TEMPORARILY KEEPING, AND TRANSPORTING LIVING SPECIMENS OF LEECHES ~71:Jishou University, No. 120, Renmin South Road, Jishou City, Hunan, 416000, People's Republic of China ~72: DENG, Huajuan;LI, Linbei;LIU, Zhixiao~

2023/10701 ~ Complete ~54:TROPISM-MODIFIED RECOMBINANT VIRAL VECTORS AND USES THEREOF FOR THE TARGETED INTRODUCTION OF GENETIC MATERIAL INTO HUMAN CELLS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: KYRATSOUS, Christos;MURPHY, Andrew, J.;SABIN, Leah;WANG, Cheng~ 33:US ~31:62/525,704 ~32:27/06/2017

2023/10692 ~ Complete ~54:A PROCESS FOR TREATMENT OF MUNICIPAL WASTEWATER AND GENERATION OF BIOELECTRICITY BY ELECTROCHEMICAL MEMBRANE BIOREACTOR ~71:Dr. Karthick S, Department of Chemical Engineering, Motilal Nehru National Institute of Technology,, Allahabad, 211004, India;Dr. Rohit Kumar Singh, House no. 411, Indranagar, P.O.-Izatnagar, Bareilly, Uttar Pradesh, 243122, India;Dr. Sanjay Singh, Department of Chemical Engineering, Motilal Nehru National Institute of Technology, Allahabad, 211004, India;Dr. Shailendra Kumar Pandey, Department of Chemical Engineering, Motilal Nehru National Institute of Technology, Allahabad, 211004, India;Dr. Suantak Kamsonlian, Department of Chemical Engineering, Motilal Nehru National Institute of Technology, Allahabad, 211004, India;Niharika Dutt, 485/8 Subhash Nagar, Behind NAS College, Meerut, Uttar Pradesh, 250001, India;Saurabh Yadav, 90/13E/1 Muir Road, Rajapur, Allahabad, Uttar Pradesh, 211001, India ~72: Dr. Karthick S;Dr. Rohit Kumar Singh;Dr. Sanjay Singh;Dr. Shailendra Kumar Pandey;Dr. Suantak Kamsonlian;Niharika Dutt;Saurabh Yadav~ 33:IN ~31:202311059272 ~32:04/09/2023

2023/10695 ~ Complete ~54:DIAMOND FLUX-CORED WIRE FOR ADDITIVE MANUFACTURING AND PREPARATION METHOD THEREOF ~71:Henan Mechanical & Electrical Vocational College, Southwest corner of the intersection of Mount Taishan Road and Zhengxin Road, Longhu Town, Xinzheng City, Zhengzhou City, Henan Province, People's Republic of China ~72: CUI Bing;DONG Guang;DU Quanbin;HUYAN Yongjiang;LI Ang;LI Wei;LIANG Jie;PENG Leyu;SHEN Jun;WANG Lei;WANG Yinghua;ZHANG Jianhua;ZHANG Liyan;ZHANG Zhikang~ 33:CN ~31:2023114352081 ~32:31/10/2023

2023/10707 ~ Complete ~54:DEVICE FOR BIOGAS SLURRY DEEP-APPLICATION IN SALINE-ALKALI SOIL ~71:INSTITUTE OF MODERN AGRICULTURAL ON YELLOW RIVER DELTA, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, No. 6 Huayuan Road, Agricultural High-tech Industrial Demonstration Area of the Yellow River Delta, Dongying City, People's Republic of China;MODERN AGRICULTURE RESEARCH CENTER OF YELLOW RIVER DELTA IN DONGYING, No. 6 Huayuan Road, Agricultural High-tech Industrial Demonstration Area of the Yellow River Delta, Dongying City, People's Republic of China ~72: GUO, Bing;MA, Changjian;SUN, Tao;WU, Qiong;ZHAO, Zichao~

2023/10709 ~ Complete ~54:WAVE ENERGY CAPTURING DEVICE ~71:MARINE POWER SYSTEMS LIMITED, The Warehouse Building, Urban Village, Swansea, United Kingdom ~72: FOSTER, Graham~ 33:GB ~31:2109183.0 ~32:25/06/2021;33:GB ~31:2116953.7 ~32:24/11/2021

2023/10704 ~ Complete ~54:HEATING ELEMENT AND HEATER ASSEMBLIES, CARTRIDGES, AND E-VAPOR DEVICES INCLUDING A HEATING ELEMENT ~71:ALTRIA CLIENT SERVICES LLC, 6601 West Broad Street, Richmond, Virginia, 23230, United States of America ~72: ARIE HOLTZ;ISAAC WEIGENSBERG~ 33:US ~31:16/273,612 ~32:12/02/2019

2023/10706 ~ Complete ~54:TAPERED SPIRAL TYPE PIPE JACKING MACHINE ~71:CHINA RAILWAY FIRST GROUP CO., LTD, No. 1, Yanta North Road, Beilin District, Xi 'an, People's Republic of China;CHINA RAILWAY FIRST GROUP MUNICIPAL ENVIRONMENTAL PROTECTION ENGINEERING CO., LTD, No. 168 Renjiazhuang, Qilihe District, Lanzhou City, People's Republic of China ~72: FAN, Yi;GAI, Weichang;JIANG, Qiangji;JING, Junwei;LI, Dong;LI, Jinbao;LIAN, Pengfei;LIANG, Chi;NIU, Ben;NIU, Chao;SONG, Yanhu;TANG, Lixin;WANG, Zhibin;YANG, Zhenxu;YAO, Shuangfu;ZHANG, Zhenfa~ 33:CN ~31:2023102835809 ~32:22/03/2023

2023/10713 ~ Complete ~54:DIAGNOSTIC METHODS AND COMPOSITIONS FOR TREATMENT OF CANCER ~71:LINNAEUS THERAPEUTICS, INC., 30 Washington Ave., Suite F, Haddonfield, United States of America ~72: GARYANTES, Tina;MOONEY, Patrick;NATALE, Christopher~ 33:US ~31:63/190,484 ~32:19/05/2021

2023/10715 ~ Complete ~54:SYSTEM AND METHOD FOR CREATING, RANKING, INTEGRATING AND IMPLEMENTING PLANS IN A MINING AND PRODUCTION PROCESS ~71:MINERP SOUTH AFRICA (PTY) LIMITED, Ground floor, 267 West Street,, South Africa ~72: LOUBSER, Andries George Hendrik;MEGANNON, John Francis;VU KOVIC, Sinisa;WOODHALL, Michael~ 33:ZA ~31:2021/03533 ~32:25/05/2021

2023/10720 ~ Complete ~54:JIB CRANE FOR A WIND TURBINE, JIB CRANE KIT, TRANSPORT SYSTEM AND MAINTENANCE SYSTEM, AS WELL AS METHODS ~71:Nordex Energy Spain, S.A.U., POLIGONO INDUSTRIAL BARASOAIN, PARCELA 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: BERNARDEZ PIÑEIRO, Ramon;MARTINEZ DE NARVAJAS PASTOR, Xabier~

2023/10712 ~ Complete ~54:NOVEL COMPOSITIONS AND METHODS FOR TREATING CORONAVIRUS INFECTIONS ~71:THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, 300 Herston Road, Australia ~72: RAO, Sudha~ 33:AU ~31:2021901169 ~32:20/04/2021;33:AU ~31:2022900358 ~32:18/02/2022

2023/10719 ~ Complete ~54:ORODISPERSIBLE EFFERVESCENT TABLET COMPRISING BUDESONIDE FOR USE IN THE TREATMENT OF EOSINOPHILIC ESOPHAGITIS ~71:Dr. Falk Pharma GmbH, Leinenweberstraße 5, FREIBURG 79108, GERMANY, Germany ~72: GREINWALD, Roland;MÜLLER, Ralph;PRÖLS, Markus;WILHELM, Rudolph~ 33:EP ~31:21174941.1 ~32:20/05/2021

2023/10723 ~ Complete ~54:CD40L ANTAGONIST AND USES THEREOF IN THE TREATMENT OF LUPUS NEPHRITIS ~71:Viela Bio, Inc., One MedImmune Way, First Floor, Area Two, GAITHERSBURG 20878, MD, USA, United States of America ~72: ALEVIZOS, Ilias;DRAPPA, Jorn;ILLEI, Gabor;REES, William~ 33:US ~31:63/191,514 ~32:21/05/2021;33:US ~31:63/235,520 ~32:20/08/2021

2023/10727 ~ Complete ~54:PHOTO-ELECTROCHEMICAL CELL AND CORRESPONDING APPARATUS ~71:GREEN INDEPENDENCE S.R.L., Piazza del Popolo 1, Italy ~72: MONTICELLI, Alessandro~ 33:IT ~31:102021000012830 ~32:18/05/2021

2023/10694 ~ Complete ~54:ENERGY RECOVERY SYSTEM ~71:JOHN BEAN TECHNOLOGIES (PROPRIETARY) LIMITED, 15 Koper Street, South Africa ~72: KITCHING, Willie Petrus~ 33:US ~31:63/589,265 ~32:10/10/2023

2023/10699 ~ Complete ~54:A STORAGE DEVICE FOR SPORTS EQUIPMENT ~71:TaiShan University, School of Physical Education, Taishan University, No. 525 Dongyue Street, Daiyue District, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: Dayang Zhang~

2023/10708 ~ Complete ~54:SCAN CODE UNLOCK DELIVERY BOX ~71:Limin ZHENG, Room 601, Unit 1, Building 21, No. 167, Baifu Road, Chengyang Dist., Qingdao, Shandong, People's Republic of China ~72: Limin ZHENG~

2023/10710 ~ Complete ~54:OXYGEN LANCE GUIDING ASSEMBLY ~71:TMT TAPPING MEASURING TECHNOLOGY SÀRL, 32, rue d'Alsace, Luxembourg ~72: CLESEN, Romain;ZUANG, Max~

2023/10711 ~ Complete ~54:PORTABLE WARM ASPHALT PREPARATION APPARATUS AND PROCESS FOR THE PRODUCTION OF WARM ASPHALT ~71:WALTER SISULU UNIVERSITY, Private Bag X1, Unitra, South Africa ~72: ABEJIDE, Samuel~ 33:ZA ~31:2021/04123 ~32:17/06/2021

2023/10691 ~ Provisional ~54:USING A REFERENCE OBJECT TO CONDUCT MEASUREMENTS ON WOODEN POLES, VIA PHYSICAL, OPTICAL, AND VISUAL, METHODS. ~71:Charl Louis Neuhoff, Plot 32 Welgegund, Postnet Suite 77, Private Bax X0001, South Africa ~72: Charl Louis Neuhoff~

2023/10724 ~ Complete ~54:PESTICIDALLY ACTIVE HETEROCYCLIC DERIVATIVES WITH SULFOXIMINE CONTAINING SUBSTITUENTS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BUCHHOLZ, Anke;COMAS-BARCELO, Julia;EDMUNDS, Andrew;EMERY, Daniel;MUEHLEBACH, Michel;RAWAL, Girish;RENDLER, Sebastian;SEN, Indira;SIKERVAR, Vikas;SMITS, Helmars;STOLLER, André;WILLIAMS, Simon~ 33:IN ~31:202111024601 ~32:02/06/2021

2023/10703 ~ Complete ~54:IMPROVED METABOLIC CAGE FOR SHEEP DIGESTION ~71:CHIFENG INSTITUTE OF AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCES, PARTY SCHOOL GROUP RESEARCH ROAD, People's Republic of China ~72: DONG, Jie;HAN, Xiaohua;HONG, Min;LAN, Xiangli;LIU, Zhiyou;SUN, Yanan;WANG, Hongyu;ZHAO, Yukai~

2023/10717 ~ Complete ~54:NEW THERAPEUTIC USE OF TYPE 2 IODOTHYRONINE DEIODINASE (D2) INHIBITORS ~71:CHEIRONTECH S.R.L., Via Agostino Depretis, 51, I-80133, Napoli, Italy ~72: CRISTINA LUONGO;DOMENICO SALVATORE;MARIA ANGELA DE STEFANO;MONICA DENTICE;RAFFAELE AMBROSIO;TOMMASO PORCELLI~ 33:IT ~31:102021000014333 ~32:01/06/2021

. - APPLIED ON 2023/11/21 -

2023/10740 ~ Complete ~54:AN ELECTRODE MANUFACTURING POLISHING TREATMENT DEVICE ~71:Jilin University, No.2699, Qianjin Avenue, Chaoyang District, Changchun City, Jilin Province, 130012, People's Republic of China;Suzhou University, Education Park of Suzhou College, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China;University of Science and Technology of China, No.96, Jinzhai Road, Baohe District, Hefei City, Anhui Province, 230026, People's Republic of China ~72: Buyuan Guan;Conghu Liu;Gongming Wang;Guang Zhu;Hengzheng Li;Xiuyang Shan;Yanyan Meng~

2023/10751 ~ Complete ~54:OLIGONUCLEOTIDE CONJUGATES TARGETED TO THE TRANSFERRIN RECEPTOR ~71:DENALI THERAPEUTICS INC., 161 Oyster Point Blvd, South San Francisco, United States of America ~72: BARKER, Scarlett;DENNIS, Mark S.;DEVOS, Sarah L.;ESTRADA, Anthony A.;KARIOLIS, Mihalis S.;MAHON, Cathal S.;NILEWSKI, Lizanne G.;PARK, Joshua I.;SHAN, Lu;THAYER, Mai B.;TONG, Raymond Ka Hang;TRAN, Hai L.;WELLS, Robert C.;ZUCHERO, Joy Yu~ 33:US ~31:63/217,743 ~32:01/07/2021;33:US ~31:63/298,193 ~32:10/01/2022;33:US ~31:63/333,449 ~32:21/04/2022

2023/10747 ~ Complete ~54:MEDICINE CONTAINER CONTAINING LIQUID PHARMACEUTICAL COMPOSITION OF 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY- 1H-PYRROL-3-YL)-NMETHYLMETHANAMINE ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 5-14, Jeyakgongdan 4-gil, Hyangnam-eup, Republic of Korea ~72: HONG, Eun Ji;HWANG, Ha Na;JUNG, Yeon Jin;KIM, Gwan Young;KIM, Gyoung Won~ 33:KR ~31:10-2021-0067635 ~32:26/05/2021;33:KR ~31:10-2022-0064452 ~32:26/05/2022

2023/10758 ~ Complete ~54:NON-VIRAL DNA VECTORS FOR VACCINE DELIVERY ~71:Generation Bio Co., 301 Binney Street, 4th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: HAMM, Luke S.;KLATTE, Debra;MANGANIELLO, Matthew;MOFFIT, Jeffrey;RAJENDRAN, Raj;SAMAYOA, Phillip;SILVER, Nathaniel;STANTON, Matthew G.~ 33:US ~31:63/185,823 ~32:07/05/2021

2023/10762 ~ Complete ~54:A COMPONENT FOR AN ARTICLE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: HEPWORTH, Richard~ 33:GB ~31:2108816.6 ~32:18/06/2021

2023/10767 ~ Complete ~54:HYDRAULIC DOWN-THE-HOLE HAMMER AND SUBSEA PILE ~71:MINCON INTERNATIONAL LIMITED, Smithstown Industrial Estate, Co. Clare, Shannon, V14 N993, Ireland ~72: JOSEPH PURCELL;MARKKU KESKINIVA;SIMON DUCK~ 33:IE ~31:S2021/0091 ~32:29/04/2021;33:IE ~31:S2021/0095 ~32:30/04/2021

2023/10768 ~ Complete ~54:VOLUMETRIC NEXT-GENERATION IN SITU SEQUENCER ~71:THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, Office of the General Counsel Building 170, 3rd Floor, Main Quad, P.O. Box 20386, Stanford, California, 94305-2038, United States of America ~72: ETHAN B RICHMAN;KARL A DEISSEROTH~ 33:US ~31:63/191,460 ~32:21/05/2021

2023/10748 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING DIABETES MELLITUS IN ANIMAL OF FAMILY CANIDAE, COMPRISING ENAVOGLIFLOZIN ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil, Hyangnam-eup, Republic of Korea ~72: CHOI, Ji Soo;HAN, Ju Mi;HUH, Wan;LIM, Hyun Woo;PARK, Joon Seok~ 33:KR ~31:10-2021-0065733 ~32:21/05/2021

2023/10752 ~ Complete ~54:PACKAGE TRANSPORTATION HANDLING SYSTEM AND METHOD ~71:VAN DE MERWE, Christiaan Hendrik Gert, 1 Wilgelaan, South Africa ~72: VAN DE MERWE, Christiaan Hendrik Gert~ 33:ZA ~31:2021/04303 ~32:23/06/2021

2023/10753 ~ Complete ~54:APERTURED HYDRO-PATTERNED NONWOVEN AND METHOD OF MAKING THE SAME ~71:PFNONWOVENS HOLDING S.R.O., Hradčanské náměsti 67/8, Czech Republic;PFNONWOVENS LLC, 101 Green Mountain Road, United States of America ~72: Antonius Lambertus Johannes DE BEER;John C. PARSONS;Karthik RAMARATNAM;Michael Heinz KAUSCHKE;Peter ZAJACZKOWSKI~ 33:US ~31:63/183,190 ~32:03/05/2021

2023/10735 ~ Complete ~54:A METHOD FOR REDUCING FLUORINE CONTENT IN COPPER CONCENTRATE BY USING PARTICLE SIZE CLASSIFICATION - PULSE VOLTAGE ~71:Central South University, No. 932, Lushan South Road, Changsha City, Hunan Province, 410083, People's Republic of China ~72: Junfeng CHENG;Shangyong LIN;Wei SUN;Weiping LIU;Ya CHEN~ 33:CN ~31:2023104571260 ~32:26/04/2023

2023/10739 ~ Complete ~54:WASTE TAILING SEWAGE PURIFICATION TREATMENT METHOD AND SYSTEM THEREOF ~71:Quzhou Beautiful Rural Construction Center, Qushidai Innovation Building, No. 288, Qinjiang East Road, Kecheng District, Quzhou City, Zhejiang Province, 324000, People's Republic of China ~72: DING, Liqun;FANG, Hui;HUANG, Qiaoling;LI, Ronghui;TENG, Lingling;WANG, Xiaolan;WU, Chenhao;XU, Xiao;XU, Youxiang;YIN, Xianyuan;ZHANG, Xin;ZHOU, Aiming~

2023/10742 ~ Complete ~54:DEVICE FOR INSTALLING AND POSITIONING NETWORK EQUIPMENT ~71:WUHU MIAOSUAN ELECTRONIC TECHNOLOGY CO., LTD., Building 8, Facade Room Of Building 4, Jinfan Community, Fanyang Town, Fanchang County, Wuhu, Anhui, 241000, People's Republic of China ~72: XU, Liping~ 33:CN ~31:202320312007.1 ~32:24/02/2023

2023/10745 ~ Complete ~54:NOVEL INJECTABLE FORMULATION COMPRISING 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 5-14, Jeyakgongdan 4-gil, Hyangnam-eup, Republic of Korea ~72: CHO ,Sang Eun;HONG, Eun Ji;JUNG, Yeon Jin;KIM, Gwan Young;KIM, Gyoung Won~ 33:KR ~31:10-2021-0067636 ~32:26/05/2021;33:KR ~31:10-2022-0064451 ~32:26/05/2022

2023/10756 ~ Complete ~54:CEMENTED CARBIDE INSERT WITH ETA-PHASE CORE ~71:Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: ARVANITIDIS, Ioannis;LILJA, Mirjam~ 33:EP ~31:21179812.9 ~32:16/06/2021

2023/10760 ~ Complete ~54:STABLE S-(+)-ABSCISIC ACID NONAQUEOUS LIQUID SOLUTIONS ~71:Stoller Enterprises, Inc., 9090 Katy Freeway, Suite 400, HOUSTON 77024, TX, USA, United States of America ~72: DOLLAR, Maria;GONZALEZ, Francisco Javier Maldonado;SHETH, Ritesh Bharat~ 33:US ~31:63/184,963 ~32:06/05/2021;33:US ~31:17/534,320 ~32:23/11/2021

2023/10765 ~ Complete ~54:AN AIR TREATMENT ELEMENT, AN AIR TREATMENT UNIT AND A METHOD FOR PRODUCING THE AIR TREATMENT ELEMENT ~71:MUNTERS EUROPE AKTIEBOLAG, Box 1150, 164 26, Kista, Sweden ~72: DANIEL PRESTON;ROBERT ARNELL;RYAN MILOTTE~ 33:SE ~31:2150531-8 ~32:27/04/2021

2023/10738 ~ Complete ~54:TARGET OBJECT CROSS-MEDIA IMAGING SIMULATION METHOD BASED ON MONTE CARLO ~71:Ocean University of China, No. 238, Songling Road, Laoshan District, Qingdao City, Shandong Province, 266100, People's Republic of China ~72: FU, Min;HAN, Qing;MIN, Jian;SUN, Mengnan;WU, Guoshuai;ZHENG, Bing~ 33:CN ~31:202211560313.3 ~32:07/12/2022

2023/10737 ~ Complete ~54:PROCESS CARTRIDGE AND POTENTIAL DETECTION PART ~71:ZHUHAI PANTUM ELECTRONICS CO., LTD., Building 02, Building 06, Building 08, No. 888, Shengping Avenue, People's Republic of China ~72: SHAO, Zhe;XIA, Xiangchao~ 33:CN ~31:2022114628646 ~32:21/11/2022

2023/10750 ~ Complete ~54:PROCESSES FOR THE VAPOR PHASE HYDROGENATION OF ALDEHYDES ~71:DOW TECHNOLOGY INVESTMENTS LLC, 2211 H.H. Dow Way, United States of America ~72: MILLER, Glenn A.;YANG, Jin~ 33:US ~31:63/192,901 ~32:25/05/2021

2023/10754 ~ Complete ~54:ORAL DELIVERY OF OLIGONUCLEOTIDES ~71:CIVI BIOPHARMA, INC., 5425 Wisconsin Avenue, United States of America ~72: NOBLE, Stewart Alwyl;OERUM, Henrik;SHEAR, Charles Lester~ 33:US ~31:63/178,361 ~32:22/04/2021;33:US ~31:63/261,506 ~32:22/09/2021;33:US ~31:63/288,379 ~32:10/12/2021

2023/10759 ~ Complete ~54:LYOPHILIZED NON-VIRAL DNA VECTOR COMPOSITIONS AND USES THEREOF ~71:Generation Bio Co., 301 Binney Street, 4th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: MANGANIELLO, Matthew;PARKHURST, Benjamin~ 33:US ~31:63/185,574 ~32:07/05/2021

2023/10763 ~ Complete ~54:CONNECTOR FOR SUSPENDING A BEVERAGE KEG AND DISPENSING A BEVERAGE THEREFROM ~71:Anheuser-Busch InBev S.A., Grand Place 1, BRUSSELS 1000, BRUSSELS, BELGIUM, Belgium ~72: VANDEKERCKHOVE, Stijn~ 33:BE ~31:2021/5602 ~32:29/07/2021

2023/10741 ~ Complete ~54:PREFABRICATED COLUMN FRAME PLATE FOR COLUMN-TYPE TRACK BED AND CONSTRUCTION METHOD THEREOF ~71:China Railway First Group Track Engineering Co., Ltd., No. 111, Renmin East Road, Weicheng District, Xianyang, Shaanxi, 712000, People's Republic of China;The First Engineering Bure CREC, No. 1, Yanta North Road, Beilin District Xian, Shaanxi, 710000, People's Republic of China ~72: CHEN, Runrun;DU, Bingze;JI, Xin Xin;LI, Shi Guo;LU, Yanan;MA, Chao;SONG, Qiang;WANG, Gangchan;WANG, Hu;WEI, Zhi Yuan;WU, Yi~ 33:CN ~31:202310620132.3 ~32:29/05/2023

2023/10743 ~ Complete ~54:WIRELESS CHARGING CAPACITANCE PEN ~71:WUHU CHUANYUE INFORMATION TECHNOLOGY CO., LTD., Room 1130, Commercial Building 1, South District, Longhu New City, Longhu Street, Sanshan Economic Development Zone, Wuhu, Anhui, 241000, People's Republic of China ~72: MA, Ding~ 33:CN ~31:202320005387.4 ~32:03/01/2023

2023/10749 ~ Complete ~54:HYDRO-PATTERNED NONWOVEN AND METHOD OF MAKING THE SAME ~71:PFNONWOVENS HOLDING S.R.O., Hradčanské náměstí 67/8, Czech Republic;PFNONWOVENS LLC, 101 Green Mountain Road, United States of America ~72: John C. PARSONS;Karthik RAMARATNAM;Pavlina KASPARKOVA;Peter ZAJACZKOWSKI~ 33:US ~31:63/183,148 ~32:03/05/2021

2023/10757 ~ Complete ~54:WEAR COMPONENT SECUREMENT ~71:Black Cat Wear Parts Ltd., 5604 59th Street, EDMONTON T6B 3C3, AB, CANADA, Canada ~72: RUVANG, John A.~ 33:US ~31:17/351,493 ~32:18/06/2021

2023/10761 ~ Complete ~54:MODULAR THERMAL AND RADIATION SHIELDING WITH PASSIVE HEAT REMOVAL ~71:Westinghouse Electric Company LLC, 1000 Westinghouse Drive, Suite 141, CRANBERRY TOWNSHIP 16066, PA, USA, United States of America ~72: BROWN, William L.;DURFEE, Jonathan C.;STANISH, Adana L.;TRUPIANO, Anthony G.~ 33:US ~31:17/308,353 ~32:05/05/2021

2023/10764 ~ Complete ~54:CRYSTAL GROWTH INHIBITORS FOR AGRICULTURAL FORMULATIONS ~71:Stepan Company, 22 W. Frontage Road, NORTHFIELD 60093, IL, USA, United States of America ~72: CANAL, Laure;CHEVRIER, Michèle;GIGAND, Pierre;MONTHEIL, Sandrine;PEPIN, Mathieu;SHAW, Elodie~ 33:US ~31:63/237,582 ~32:27/08/2021

2023/10744 ~ Complete ~54:EFFICIENT HEAT DISSIPATION CHASSIS FOR COMPUTER ~71:WUHU GELAN ELECTRONIC TECHNOLOGY CO., LTD., Room 1129, Commercial Building 1, South District, Longhu New City, Longhu Street, Sanshan Economic Development Zone, Wuhu, Anhui, 241000, People's Republic of China ~72: MA, Ding~ 33:CN ~31:202320265224.X ~32:21/02/2023

2023/10746 ~ Complete ~54:METHOD TO CLASSIFY, DESIGN AND MANUFACTURE A METALLIC PART ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Alexandre BLAISE;Elie GIBEAU;Nicolas SCHNEIDER~ 33:IB ~31:PCT/IB2021/056234 ~32:12/07/2021

2023/10755 ~ Complete ~54:IMMUNOGENIC COMPOSITION AGAINST INFLUENZA ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: ALLEN, Pirada Suphaphiphat;BADKAR, Advait Vijay;DARVARI, Ramin;DORMITZER, Philip Ralph;DUDA, Mark;JANSEN, Kathrin Ute;VAN GEEN HOVEN, Christina~ 33:US ~31:63/183,624 ~32:03/05/2021;33:US ~31:63/184,201 ~32:04/05/2021;33:US ~31:63/197,325 ~32:04/06/2021;33:US ~31:63/261,784 ~32:28/09/2021

2023/10766 ~ Complete ~54:KL1333 FOR USE IN MEDICINE ~71:ABLIVA AB, Medicon Village, 223 81, Lund, Sweden;YUNGJIN PHARM CO., LTD, 13, Olympic-ro 35da-gil Songpa-gu, Seoul, 05510, Republic of Korea ~72: ALVAR GRÖNBERG;MAGNUS JOAKIM HANSSON;MATILDA HUGERTH~ 33:DK ~31:PA202170253 ~32:19/05/2021

2023/10734 ~ Complete ~54:PRIMER COMBINATION FOR SIMULTANEOUSLY DETECTING DISEASE-RESISTANT GENES TY-1, I-2 AND CF-9 OF SOLANUM LYCOPERSICUM AND MULTIPLEX PCR METHOD THEREFOR ~71:Horticulture Research Institute, Sichuan Academy of Agricultural Sciences, No. 20, Jingjusi Road, Jinjiang District, Chengdu City, Sichuan Province, 610066, People's Republic of China ~72: CHANG, Wei;LI, Ju;LI, Zhi;MA, Yanqin;MIAO, Mingjun;YANG, Liang~

2023/10736 ~ Complete ~54:ANTI-CD38 ANTIBODIES AND FORMULATIONS ~71:SANOFI, 54 rue La Boétie, France ~72: CAMERON, Béatrice;CHIRON BLONDEL, Marielle;DUMAS, Jacques;FOURNIER, Alain;KINGSBURY, Jonathan;LEMOINE, Cendrine;MURRAY, Brian;OSTBERG, Nathan;PATKE, Sanket;VIRONE-ODDOS, Angela;ZHANG, Zichuan~ 33:US ~31:62/837,518 ~32:23/04/2019;33:US ~31:62/859,699 ~32:10/06/2019;33:EP ~31:20305145.3 ~32:17/02/2020;33:EP ~31:20305146.1 ~32:17/02/2020

2023/10733 ~ Provisional ~54:INVESTMENT SYSTEM AND METHOD ~71:LOUBSER, Matthys Johannes, 38 Joan Avenue, Murrayfield, South Africa ~72: LOUBSER, Matthys Johannes~

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2023/10773 ~ Complete ~54:HYDROGEN-BASED MEMBRANE BIOFILM REACTOR SYSTEM AND METHOD FOR TREATING 4-BROMOPHENOL IN TERTIARY INDUSTRIAL WASTEWATER ~71:Guilin University of Technology, Guilin University of Technology, No. 319, Yanshan Street, Yanshan District, Guilin City, Guangxi Province, 541006, People's Republic of China ~72: CHEN, Bo;DING, Wanying;DONG, Kun;JIANG, Minmin;JIN, Yue;LI, Haixiang;LIN, Hua;ZHANG, Wenjie;ZHANG, Xuehong;ZHANG, Yuanyuan;ZHENG, Junjian~ 33:CN ~31:202211704919.X ~32:29/12/2022

2023/10774 ~ Complete ~54:GRAFTING SURVIVAL METHOD OF CHIONANTHUS RETUSUS THICK BRANCHES ~71:TaiShan University, 525 Dongyue Street, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: CHEN, Xiaofeng;LI, Shan;WANG, Qiumei;YU, Hongyang~

2023/10775 ~ Complete ~54:GEOCHEMICAL EXPLORATION METHOD FOR VERIFYING MINERAL ANOMALIES IN COVERAGE AREA ~71:Shihezi University, No. 280, North Fourth Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832003, People's Republic of China;Urumqi Center for General Survey of Natural Resources, CGS, No. 555, West Ring North Road, Jiujiawan, Xinshi District, Urumqi, Xinjiang Uygur Autonomous Region, 830057, People's Republic of China ~72: DUAN, Xingxing;HAN, Baohua;LIU, Xiaolong~

2023/10793 ~ Complete ~54:METHODS OF TREATING OR PREVENTING AUTOIMMUNE DISEASES ~71:IMCYSE SA, Avenue Pré-Aily 14, Belgium ~72: GLOIRE, Geoffrey~ 33:EP ~31:21176003.8 ~32:26/05/2021

2023/10799 ~ Complete ~54:GIS-TYPE ZEOLITE MOLDED BODY, ADSORPTION DEVICE, SEPARATION METHOD, AND GIS-TYPE ZEOLITE ~71:Asahi Kasei Kabushiki Kaisha, 1-1-2 Yurakucho, Chiyoda-ku, TOKYO 1000006, JAPAN, Japan ~72: AKAOGI, Takayuki;IITSUKA, Takehiro;NOMURA, Kouji;SUZUE, Yuji~ 33:JP ~31:2021-095003 ~32:07/06/2021

2023/10800 ~ Complete ~54:A COMPONENT FOR USE IN A COMBUSTIBLE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, 1 Water Street, Globe House, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: HEPWORTH, Richard~ 33:GB ~31:2108814.1 ~32:18/06/2021

2023/10806 ~ Complete ~54:QUICK CHANGE NOZZLE SYSTEM FOR AN ATOMIZER ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Bruce FORMAN;Carlos Javier RODRIGUEZ MARTINEZ;Enrique HERRAIZ LALANA;Mathieu COUVRAT~

2023/10770 ~ Provisional ~54:MOBILE PAWNSHOP FRANCHISE ~71:Stephan Smith, 189 Gardenia Street, Craigieburn, South Africa ~72: Stephan Smith~

2023/10777 ~ Complete ~54:PAPER-BASED BIOSENSOR DEVICE AND METHOD ~71:Beijing Information Science and Technology University, No.12, Qinghe Xiaoying East Road, Haidian District, Beijjng City, 100192, People's Republic of China ~72: Guowei Gao;Lei Qin;Yansheng Li~

2023/10779 ~ Complete ~54:COMPOSITIONS AND METHODS FOR ENHANCED GENE EXPRESSION ~71:Adverum Biotechnologies, Inc., 1035 O'Brien Drive, Suite A, MENLO PARK 94025, CA, USA, United States of America ~72: KERAVALA, Annahita~ 33:US ~31:62/472,892 ~32:17/03/2017

2023/10781 ~ Complete ~54:A MILK-CLOTTING ENZYME (MCE) DERIVED FROM EXIGUOBACTERIUM SP. P-6 AND ITS APPLICATIONS IN MILK SOURCE BIOACTIVE PEPTIDES PREPARATION ~71:Shandong Academy of Agricultural Sciences, No. 23788, Gongye North Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Deyuan Ma;Fei Bian;Shousong Yue;Youfeng Zhu~ 33:CN ~31:202311362332.X ~32:20/10/2023

2023/10789 ~ Complete ~54:ANTIBODY SPECIFICALLY BINDING TO ASM PROTEIN ~71:ISU ABXIS CO., LTD., C-5F, 22, DAEWANGPANGYO -RO 712BEON-GIL, BUNDANG-GU SEONGNAM-SI GYEONGGI-DO 13488, REP OF KOREA, Republic of Korea ~72: HONG, Mi Rim;HONG, Seung Beom~ 33:KR ~31:10-2021-0068075 ~32:27/05/2021;33:KR ~31:10-2022-0047295 ~32:18/04/2022

2023/10804 ~ Complete ~54:METHODS FOR INHIBITING RAS ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: KYLE SEAMON~ 33:US ~31:63/192,837 ~32:25/05/2021

2023/10791 ~ Complete ~54:DEVICE AND METHOD FOR SEPARATING LIQUID DROPLETS FROM A GAS STREAM BY MEANS OF A CENTRIFUGAL MIST ELIMINATOR ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: DE RUITER, Cornelis, Hendricus;GITTER, Markus;GRACKIEWICZ, Gregor;HECHLER, Claus;KRAMP, Marvin;LANG, Ortmund;MACHT, Josef;MEIER, Matthias, Wilhelm;ZHOU, Yunfei~ 33:EP ~31:21170447.3 ~32:26/04/2021

2023/10794 ~ Complete ~54:APPARATUS AND SYSTEM FOR DRUG RECONSTITUTION BY LIQUID TRANSFER ~71:KAIRISH INNOTECH PRIVATE LTD., 72-73, 7th Floor, Plot 215, Free Press House Free Press Journal Marg, Nariman Point,, India ~72: CHUDASMA, Krupal Ashokbhai;DADACHANJI, Rishad Kairus;PATEL, Keyurkumar Arvindbhai;POTDAR, Pratul Prakash~ 33:IN ~31:202121033506 ~32:26/07/2021

2023/10802 ~ Complete ~54:CLOSURE CAP ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, Austria ~72: Franz-Michael LAESSER~ 33:CH ~31:00663/21 ~32:07/06/2021

2023/10807 ~ Complete ~54:INTERLAYER PRE-COOLING APPARATUS FOR SAND MOLD FREEZING PRINTING ~71:NANJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS, No.29 Yudao Street, People's Republic of China ~72: SHAN, Zhongde;SHI, Jianpei;YANG, Haoqin~ 33:CN ~31:202110859399.9 ~32:28/07/2021

2023/10776 ~ Complete ~54:FOREST TREE SUPPORT DEVICE ~71:Shanxi Forestry and Grassland Science Research Institute, Shanxi Academy of Forestry, No. 105, Xinjian South Road, Taiyuan City, Shanxi Province, 030012, People's Republic of China ~72: HAO, Yanping;HE, Qi;LIU, Xin;WU, Jing;ZHANG, Caihong;ZHANG, Xibin;ZHOU, Yufeng~

2023/10780 ~ Complete ~54:COMPOSITIONS AND METHODS FOR ENHANCED GENE EXPRESSION ~71:Adverum Biotechnologies, Inc., 1035 O'Brien Drive, Suite A, MENLO PARK 94025, CA, USA, United States of America ~72: KERAVALA, Annahita~ 33:US ~31:62/472,892 ~32:17/03/2017

2023/10788 ~ Complete ~54:METHOD FOR THE REGENERATION OF SPECIAL FILTER AIDS FOR THE STABILIZATION OF BEVERAGES ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: KRESS, Joerg;SCHEHL, Beatus, Daniel~ 33:EP ~31:21170938.1 ~32:28/04/2021

2023/10790 ~ Complete ~54:ANTIBODY-DRUG CONJUGATE TARGETING NECTIN-4 AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:JIANGSU MABWELL HEALTH PHARMACEUTICAL R&D CO., LTD., 3RD FLOOR, NATIONAL NEW DRUG INNOVATION BASE, NO. 1 YAOCHENG AVENUE, CHINA MEDICAL CITY TAIZHOU CITY, JIANGSU 225300, CHINA, People's Republic of China;MABWELL (SHANGHAI) BIOSCIENCE CO., LTD., FLOOR 4, BUILDING 3# OF ZHANGJIANG CREATIVE PARK, NO. 576 LIBING ROAD, PUDONG NEW DISTRICT SHANGHAI 201210, CHINA, People's Republic of China ~72: LIU, Datao;TAN, Xiaoding;ZHOU, Wei~ 33:CN ~31:202110481199.4 ~32:30/04/2021

2023/10803 ~ Complete ~54:RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING ~71:BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD., Room 101D1-7, 1st Floor, Building 1, No. 6, Shangdi West Road, Haidian District Beijing, Beijing 100085, People's Republic of China ~72: BING YU;CHE-WEI KUO;HONG-JHENG JHU;WEI CHEN;XIANGLIN WANG;XIAOYU XIU;YI-WEN CHEN~ 33:US ~31:63/181,110 ~32:28/04/2021

2023/10805 ~ Complete ~54:METHODS FOR RECYCLING ETHYLENE IN AN ETHYLENE OLIGOMERIZATION REACTOR SYSTEM ~71:CHEVRON PHILLIPS CHEMICAL COMPANY LP, 10001 Six Pines Drive, The Woodlands, Texas, 77380, United States of America ~72: BRUCE E KREISCHER~ 33:US ~31:17/329,287 ~32:25/05/2021

2023/10771 ~ Provisional ~54:RECYCLING CONTAINERS ~71:Izél Baker, 42 Park Lane, South Africa ~72: Izél Baker~ 33:ZA ~31:1 ~32:07/11/2023

2023/10772 ~ Provisional ~54:SYSTEM AND METHOD FOR JOB ROUTING ~71:PIXELFAERIE LIMITED, 19 Triq San Mark, Malta ~72: GOMEZ JIMENEZ, Eamonn Tadhg~

2023/10801 ~ Complete ~54:WATER CONDITIONERS FOR AGRICULTURAL FORMULATIONS ~71:Stepan Company, 22 W. Frontage Road, NORTHFIELD 60093, IL, USA, United States of America ~72: BRAYTON, Andrea B. E.;TOTTEN, Ryan K.;WEBER, Eric M.~ 33:US ~31:63/226,085 ~32:27/07/2021

2023/10783 ~ Complete ~54:A PAN-KRAS INHIBITOR COMPOUND ~71:ADLAI NORTYE BIOPHARMA CO., LTD., Block 8, No. 1008 Xiangwang Street, People's Republic of China ~72: CHEN, Kaixuan;CHEN, Yufeng;CHENG, Wanli;HE, Nanhai;JIN, Chaofan;LI, Feifan;LIU, Canfeng;LIU, Shuaishuai;LV, Meng;SUN, Zhao;WU, Peng;YANG, Han~ 33:CN ~31:202211508623.0 ~32:29/11/2022

2023/10784 ~ Complete ~54:RNA-TARGETING LIGANDS, COMPOSITIONS THEREOF, AND METHODS OF MAKING AND USING THE SAME ~71:THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, 109 Church Street, Chapel Hill, United States of America ~72: AUBÉ, Jeffrey;LI, Kelin;WEEKS, Kevin;ZELLER, Meredith~ 33:US ~31:63/195,779 ~32:02/06/2021

2023/10786 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR TREATING BRAIN DISEASES COMPRISING ANTIBODY SPECIFICALLY BINDING TO ASM PROTEIN AS ACTIVE INGREDIENT ~71:ISU ABXIS CO., LTD., C-5F, 22, DAEWANGPANGYO -RO 712BEON-GIL, BUNDANG-GU SEONGNAM-SI

GYEONGGI-DO 13488, REP OF KOREA, Republic of Korea;KYUNGPOOK NATIONAL UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION, 80, DAEHAK-RO BUK-GU, DAEGU 41566, REP OF KOREA, Republic of Korea ~72: BAE, Jae Sung;HONG, Seung Beom;JIN, Hee Kyung~ 33:KR ~31:10-2021-0068628 ~32:27/05/2021;33:KR ~31:10-2022-0057049 ~32:10/05/2022

2023/10787 ~ Complete ~54:SIRNA TARGETING TMPRSS6 FOR THE TREATMENT OF MYELOPROLIFERATIVE DISORDERS ~71:SILENCE THERAPEUTICS GMBH, ROBERT-RÖSSLE-STRASSE 10, 13125 BERLIN, GERMANY, Germany;THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH, 1G ROYAL PARADE, PARKVILLE, MELBOURNE,VICTORIA 3052, AUSTRALIA, Australia ~72: BENNETT, Cavan;DAMES, Sibylle;NG, Ashley;PASRICHA, Sant-Rayn;SCHAEPER, Ute~ 33:EP ~31:21170774.0 ~32:27/04/2021

2023/10792 ~ Complete ~54:HAIR RELAXER ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BEUCHE, Marc;BLESSING, Ali;DANIA, Tosin;OSARENREN, Igbinoba~ 33:EP ~31:21171559.4 ~32:30/04/2021

2023/10795 ~ Complete ~54:IMPROVED WORKABILITY RETENTION IN LOW-CLINKER HYDRAULIC COMPOSITIONS ~71:CHRYSO, Tour Saint-Gobain, 12 Place de l'Iris, France ~72: BONAFOUS, Laurent;BOUSTINGORRY, Pascal~ 33:FR ~31:2105469 ~32:26/05/2021

2023/10796 ~ Complete ~54:OPERATIONS MANAGEMENT IN A WORKPLACE ENVIRONMENT ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, Stellenbosch, South Africa ~72: KRUGER, Karel;SPARROW, Dale Eric~ 33:ZA ~31:2021/03536 ~32:25/05/2021

2023/10797 ~ Complete ~54:UNCOUPLING SPANNER FOR DISCONNECTING DRILL BITS, SYSTEM FOR REPLACING DRILL BITS, AND METHOD FOR REPLACING DRILL BITS ~71:Vale S.A., Torre Oscar Niemeyer, Praia de Botafogo nº 186, salas 701, 1101, 1601, 1701, 1801 e 1901, RIO DE JANEIRO 22250-145, RJ, BRAZIL, Brazil ~72: DE SENA, Arlem Flávio;FRADE, Enilton Edson;VAZ, Bruno Fonseca~ 33:BR ~31:1020210163321 ~32:18/08/2021

2023/10798 ~ Complete ~54:METHODS FOR TITRATING MITAPIVAT ~71:Agios Pharmaceuticals, Inc., 88 Sidney Street, CAMBRIDGE 02139, MA, USA, United States of America ~72: BARBIER, Ann;BOWDEN, Christopher;HAWKINS, Peter;IYER, Varsha Venkatachalam;JOUVIN, Marie-Helene~ 33:IB ~31:2021/030312 ~32:30/04/2021;33:IB ~31:2022/015684 ~32:08/02/2022

2023/10778 ~ Complete ~54:AN INTEGRATED DEVICE FOR CLINICAL DIAGNOSIS AND TREATMENT IN GENERAL MEDICINE ~71:Minhang Hospital, Fudan University, 170 Xinsong Road, Minhang District, Shanghai, 201199, People's Republic of China ~72: Dongqing Zhang;Fei Pan;Jiaqi Gan;Mei Liu;Mengting Hu~

2023/10782 ~ Complete ~54:DIGITAL PLATFORM FOR SECURE OPERATION-AND-MAINTENANCE OF CLEAN ROOM BASED ON INTERNET OF THINGS ~71:KERUITE (XIAMEN) PURIFICATION TECHNOLOGY CO., LTD, Unit 404, No. 63 Xiangyue Road, Xiang'an Industrial Zone, Torch High tech Zone, Xiamen, 361115, Fujian Province, People's Republic of China ~72: HUAXIN LI~ 33:CN ~31:2023104018287 ~32:14/04/2023

2023/10785 ~ Complete ~54:METHOD FOR ISOTHERMAL AMPLIFICATION OF NUCLEIC ACID TARGET SEQUENCES ~71:SHANGHAI BIOGERM MEDICAL TECHNOLOGY CO., LTD., Rooms 1302, 1303, 1304, 1305, 1306, 1307, and 1309, 3rd Building,No.1588, Huhang Road, Fengxian District, People's Republic of China;SHANGHAI BIOGERM MEDICAL TECHNOLOGY CO., LTD. BEIJING BRANCH, Room 210, 2nd Floor, 9th Building, No.9, North Huayuan Road, Haidian District, People's Republic of China ~72: LI, Chunyan;ZE, Baichen;ZHU, Zhaokui~ 33:CN ~31:CN202110733555.7 ~32:30/06/2021

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2023/10810 ~ Provisional ~54:LOAD DISTRIBUTION DEVICE ~71:CRAIG DAVID DAVIES, 3 Martha Street, Kloofendal Ext. 3, Roodepoort, South Africa;GORDON DANIEL DAVIES, 12 Maroela Road, Dal Fouche, Springs, Gauteng, 1559, South Africa ~72: CRAIG DAVID DAVIES;GORDON DANIEL DAVIES~

2023/10814 ~ Complete ~54:A RAT ORAL CAVITY DILATOR ~71:Qiqihar Medical University, 333 Bukui North Street, Jianhua District, Qiqihar, Heilongjiang, 161006, People's Republic of China ~72: Zhiping XIE~ 33:CN ~31:202322969491.8 ~32:02/11/2023

2023/10821 ~ Complete ~54:METHOD FOR DEPOLYMERISING A POLYESTER FILLER COMPRISING A PRE-MIXING STAGE OF THE FILLER ~71:IFP ENERGIES NOUVELLES, 1 & 4 avenue du Bois-Préau, France;JEPLAN, INC., 12-2 Ogimachi, Kawasaki-ku, Japan ~72: CHARRA, Cyprien;HAROUN, Yacine~ 33:FR ~31:FR2106437 ~32:17/06/2021

2023/10827 ~ Complete ~54:ANTI-NKG2A ANTIBODIES AND COMPOSITIONS ~71:Les Laboratoires Servier, 50 Rue Carnot, SURESNES CEDEX 92284, FRANCE, France ~72: DIETRICH, Nikolaj;GRANDAL, Michael Monrad;HANSEN, Randi Westh;UHLENBROCK, Franziska Katharina;WORSAAE, Anne~ 33:US ~31:63/195,470 ~32:01/06/2021

2023/10836 ~ Complete ~54:THE POLARITY AND SPECIFICITY OF SARS-COV2 -SPECIFIC T LYMPHOCYTE RESPONSES AS A BIOMARKER OF DISEASE SUSCEPTIBILITY ~71:FUNDAÇÃO D. ANNA DE SOMME CHAMPALIMAUD E DR. CARLOS MONTEZ CHAMPALIMAUD, Avenida Brasilla 1400-038, Portugal;INSTITUT GUSTAVE ROUSSY, 39 me Camille Desmoulins, 94800, France;TRANSGENE, Boulevard Gonthier d'Andernach, Parc d'Innovation, 67400, France;UNIVERSITE PARIS SACLAY, Parc technologique, Immeuble Discovery, Route de l'orme des merisiers RD 128, 91191, France ~72: DE SOUSA, Eric;FAHRNER, Jean-Eudes;LERIAS, Joana;MAEURER, Markus;ZITVOGEL, Laurence~ 33:EP ~31:21171378.9 ~32:29/04/2021;33:EP ~31:21171380.5 ~32:29/04/2021;33:EP ~31:21306369.6 ~32:30/09/2021

2023/10831 ~ Complete ~54:A WATER SOLUBLE OR WATER DISPERSIBLE BOLUS ARTICLE ~71:BIMEDA ANIMAL HEALTH LIMITED, Floor 1B, The Herbert Building The Park, Ireland ~72: TIERNEY, Daniel Peter;TIERNEY, Donal Thomas Martin~ 33:GB ~31:2106921.6 ~32:14/05/2021;33:GB ~31:2106923.2 ~32:14/05/2021

2023/10835 ~ Complete ~54:VESTIBULAR SUPPORTING CELL PROMOTERS AND USES THEREOF ~71:DECIBEL THERAPEUTICS, INC., 1325 Boylston Street Suite 500, Boston, Massachusetts, 02215, United States of America ~72: GABRIELA PREGERNIG;JOSEPH BURNS;KATHY SO;TYLER GIBSON~ 33:US ~31:63/184,015 ~32:04/05/2021

2023/10826 ~ Complete ~54:METHOD OF TREATING ESSENTIAL TREMOR ~71:Cavion, Inc., 3170 Porter Drive, PALO ALTO 94304, CA, USA, United States of America ~72: BALADI, Michelle Gilbert;LEE, Margaret S.~ 33:US ~31:63/192,535 ~32:24/05/2021

2023/10816 ~ Complete ~54:A BLASTING CONTAINER ASSEMBLY ~71:IPTREE TRUST (TRUST NUMBER 503/2009), 5 Libertas Road, Somerset Office Park, Bullseye Building, Bryanston, South Africa ~72: BÜHRMANN, Rudolph;BÜHRMANN, Rudolph Teodor~ 33:ZA ~31:2022/09448 ~32:24/08/2022

2023/10829 ~ Complete ~54:QUICK CHANGE NOZZLE SYSTEM FOR AN ATOMIZER ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Carlos Javier RODRIGUEZ MARTINEZ;Enrique HERRAIZ LALANA;Mathieu COUVRAT~

2023/10832 ~ Complete ~54:CRYSTALLINE FORM OF TRICYCLIC DERIVATIVE COMPOUND, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME ~71:ONCONIC THERAPEUTICS INC., 11F, 12 Teheran-ro 26-gil, Gangnam-gu, Seoul, 06236, Republic of Korea ~72: JOHN KIM;JUNG GI AN;SEONG HYEON JEON~ 33:KR ~31:10-2021-0064416 ~32:18/05/2021

2023/10834 ~ Complete ~54:UNIVERSAL LAMP ASSAYS FOR DETECTION OF NUCLEIC ACID TARGETS ~71:DUKE UNIVERSITY, 2812 Erwin Road, Suite 406, Durham, North Carolina, 27705, United States of America ~72: JOHN H REIF;XIN SONG~ 33:US ~31:63/191,590 ~32:21/05/2021

2023/10838 ~ Provisional ~54:CATCHMENT WATER FLOOD ~71:ANDREW SELLO MOTSEPE, 63 MAREKA, ATTERIDGEVILLE, South Africa ~72: ANDREW SELLO MOTSEPE~

2023/10833 ~ Complete ~54:PARP INHIBITOR-RESISTANT CANCER THERAPEUTIC AGENT ~71:ONCONIC THERAPEUTICS INC., 11F, 12 Teheran-ro 26-gil, Gangnam-gu, Seoul, 06236, Republic of Korea ~72: CHANG SEOK LEE;HYUN JU CHA;JOHN KIM;SANG WOO HAN~ 33:KR ~31:10-2021-0064278 ~32:18/05/2021;33:KR ~31:10-2022-0060706 ~32:18/05/2022

2023/10820 ~ Complete ~54:VISUALIZED ASSEMBLY-TYPE FULL DECORATION SERVICE MANAGEMENT SYSTEM ~71:QINGDAO HANSA CUSTOM FURNITURE CO., LTD., Beizhai Bijia Community, Laoshan District, Qingdao City, People's Republic of China ~72: Kebin QI;Qinglong LIU;Xiang GAO~ 33:CN ~31:202310939806.6 ~32:28/07/2023

2023/10824 ~ Complete ~54:OVERLAPPING CUTTING EDGE TIP SYSTEM ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: JURA, Jason Grant;SERRURIER, Douglas C.;WELLS, Corey Michael~ 33:US ~31:17/332,076 ~32:27/05/2021

2023/10828 ~ Complete ~54:TANK PUMP HAVING A TANGENTIAL FEED INLET AND VARIABLE GEOMETRY INFEED SHELF ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: ECHEVERRI, Luis Fernando~ 33:US ~31:63/192,150 ~32:24/05/2021

2023/10811 ~ Provisional ~54:BICYCLE CRANK ARRANGEMENT ~71:JACOBUS WYNAND VOLSCHENK, 20 Bathurst Bend Milnerton Rural, Cape Town, 7441, South Africa ~72: JACOBUS WYNAND VOLSCHENK~

2023/10815 ~ Complete ~54:SPARE WHEEL HOLDER ~71:KERSTEN, Jan Franz, Plot 199, South Africa;VORSTER, Barend Johannes Martunis, Plot 199, South Africa ~72: KERSTEN, Jan Franz;VORSTER, Barend Johannes Martunis~ 33:ZA ~31:2022/12777 ~32:24/11/2022

2023/10818 ~ Complete ~54:HYDROGEN PRODUCTION AND CONVEYANCE SYSTEM ~71:LONE GULL HOLDINGS, LTD., Suite 258-332, 5331 SW Macadam Avenue, Portland, Oregon, 97239, United States of America ~72: BRIAN LEE MOFFAT;DANIEL WILLIAM PLACE;GARTH ALEXANDER SHELDON-COULSON;IVAR LEE THORSON~ 33:US ~31:63/026,670 ~32:18/05/2020;33:US ~31:63/060,145 ~32:03/08/2020;33:US ~31:63/186,709 ~32:10/05/2021;33:US ~31:17/320,541 ~32:14/05/2021

2023/10809 ~ Provisional ~54:CONCENTRATED SUSPENSION FOR AGRICULTURAL USE ~71:ROLFES AGRI (PTY) LTD, 288 Mundt Street, Watloo, South Africa ~72: BADENHORST, Gert Johannes;SCOTT, Anell~

2023/10813 ~ Complete ~54:MOLYBDENUM DISULFIDE/BLACK PHOSPHORENE COMPOSITE MATERIAL, PREPARED ELECTROCHEMICAL SENSOR AND APPLICATION THEREOF ~71:HAINAN NORMAL UNIVERSITY, No.99 Longkun South Road, Haikou City, Hainan Province, 571158, People's Republic of China ~72: LI Xiaoqing;LIU Tao;LUO Shuchang;SUN Wei;WANG Lisi;XU Shiguan;ZHANG Siyue;ZHANG Zejun~ 33:CN ~31:2023105531487 ~32:17/05/2023

2023/10819 ~ Complete ~54:COMPUTER-IMPLEMENTED METHOD OF SUPPORTING A FARMER IN AGRICULTURAL ACTIVITIES ~71:DIVISION X (PTY) LTD, Falcorp Technologies, Silverstream office park, Building 3, Office 1004, 10 Muswell Road South, Bryanston, Sandton, 2191, South Africa ~72: DELATE, Bryan;HURDEEN, Rikash Ramrajh;UNSER, Evan~ 33:ZA ~31:2022/09636 ~32:30/08/2022

2023/10822 ~ Complete ~54:ELECTRICAL STIMULUS CIRCUIT ~71:HALTER USA INC., 201 Spear Street, Suite 1100, United States of America ~72: SARGAZIKOOSHEH, Masoud~ 33:AU ~31:2021901583 ~32:26/05/2021;33:AU ~31:2021221500 ~32:24/08/2021

2023/10825 ~ Complete ~54:ENGINEERED POLYPEPTIDES ~71:Humabs BioMed SA, Via dei Gaggini 3, BELLINZONA 6500, SWITZERLAND, Switzerland;Vir Biotechnology, Inc., 1800 Owens Street, Suite 900, SAN FRANCISCO 94158, CA, USA, United States of America ~72: BARTHA, Istvan;CORTI, Davide;CZUDNOCHOWSKI, Nadine;SCHMID, Michael Alexander;SNELL, Gyorgy;TELENTI, Amalio~ 33:US ~31:63/192,549 ~32:24/05/2021;33:US ~31:63/265,032 ~32:06/12/2021;33:US ~31:63/266,453 ~32:05/01/2022

2023/10830 ~ Complete ~54:MULTI-STEP METHODS OF MAKING A MULTI-PHASE MATERIAL ~71:ADVANCED POTASH TECHNOLOGIES, LTD., 89 Nexus Way, Cayman Islands ~72: CHAOUKI, Jamal;LATIFI, Mohammad;MIRNEZAMI, Mitra;MOHAMMAD, Javeed~ 33:US ~31:63/214,958 ~32:25/06/2021

2023/10812 ~ Complete ~54:SYSTEM OF MACHINES CONNECTED IN PARALLEL, AND METHOD FOR TRANSITION BETWEEN ON-GRID MODE AND OFF-GRID MODE ~71:SUNGROW POWER SUPPLY CO., LTD., No.1699 Xiyou Road, New & High Technology Industrial Development Zone, People's Republic of China ~72: JING, Zhen;MENG, Hao;TAO, Tinghuan;WANG, Xu;XU, Jincheng~ 33:CN ~31:202310740240.4 ~32:20/06/2023

2023/10817 ~ Complete ~54:A DESIGN METHOD OF BODY STIFFNESS TEST BENCH BASED ON HYBRID META-MODEL ~71:Hunan University, Engineering college of Mechanical and Transportation, Hunan University, No.1 Lushan South Road, Yuelu District, Changsha City, 410082, Hunan Province, People's Republic of China ~72: Zhaohui HU~

2023/10823 ~ Complete ~54:IMPROVED METHODS OF TREATMENT USING IMMUNOGENIC PEPTIDES ~71:IMCYSE SA, Avenue Pré-Aily 14, Belgium ~72: VAN RAMPELBERGH, Jean~ 33:EP ~31:21177145.6 ~32:01/06/2021

2023/10808 ~ Provisional ~54:MEAT STERILIZATION ~71:VAN JAARSVELD, Arthur, 48 Kolgans St, HeidelbergKloof Nature Estate, South Africa ~72: VAN JAARSVELD, Arthur~

2023/10837 ~ Provisional ~54:FINALATOR SELF PROPELLED GENERATOR ~71:FRITZ CROUS, FLAT NR 11, HUIS UITSIG, M.E. ROTHMAN ST., South Africa ~72: FRITZ CROUS ~

. - APPLIED ON 2023/11/24 -

2023/10866 ~ Complete ~54:ADAPTIVE BILATERAL MATCHING FOR DECODER SIDE MOTION VECTOR REFINEMENT ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: CHEN, Chun-Chi;CHIEN, Wei-Jung;HUANG, Han;KARCZEWICZ, Marta;SEREGIN, Vadim;ZHANG, Zhi~ 33:US ~31:63/216,468 ~32:29/06/2021;33:US ~31:63/263,754 ~32:08/11/2021;33:US ~31:17/847,942 ~32:23/06/2022

2023/10871 ~ Complete ~54:NON-VIRAL DNA VECTORS EXPRESSING THERAPEUTIC ANTIBODIES AND USES THEREOF ~71:Generation Bio Co., 301 Binney Street, 4th Floor, CAMBRIDGE 02142, MA, USA, United

States of America ~72: GAGNE, Raphael;JINDAL, Siddharth;KERR, Douglas Anthony;SAMAYOA, Phillip;SILVER, Nathaniel~ 33:US ~31:63/180,382 ~32:27/04/2021

2023/10877 ~ Complete ~54:CATHODE CURRENT COLLECTOR BAR OF AN ALUMINIUM PRODUCTION CELL ~71:NOVALUM S.A., Av. De la Gare 19, 1950, Sion, Switzerland;TOKAI COBEX GMBH, 11th Floor Zircon Tower Gustav-Stresemann-Ring 12-16, 65189, Wiesbaden, Germany ~72: GUALTIERO SPINETTI;MARIUSZ MINKINA;MARKUS PFEFFER;OSCAR VERA GARCIA;RENÉ VON KAENEL;SEWERYN MIELNIK~ 33:CH ~31:00522/21 ~32:10/05/2021

2023/10839 ~ Provisional ~54:BRAAI 1 ~71:AKSA Investments, 262 Chris Hani Road, South Africa ~72: AKSA Investments~

2023/10842 ~ Complete ~54:PREPARATION AND APPLICATION OF IRON-DOPED CARBON NITRIDE AND CARBON NANOTUBES COMPOSITE MATERIAL MODIFIED ELECTRODE ~71:HAINAN NORMAL UNIVERSITY, No.99 Longkun South Road, Haikou City, Hainan Province, 571158, People's Republic of China ~72: AI Yijing;FU Wanting;HAN Xiao;HU Xiaojuan;LIU Tao;SUN Wei;WANG Lisi;ZHANG Dan~ 33:CN ~31:2023104331854 ~32:21/04/2023

2023/10843 ~ Complete ~54:CHROMENE DERIVATIVES AS INHIBITORS OF TCR-NCK INTERACTION ~71:Artax Biopharma Inc., 1 Broadway, 14th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: CASTRO, Julio;GAGETE MATEOS, Andrés;MACHIN, Peter J.;VANDEUSEN, Christopher Loren~ 33:US ~31:62/635,834 ~32:27/02/2018

2023/10848 ~ Complete ~54:BIOLOGICAL CONTROL METHOD FOR RICE BLAST ~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~

2023/10851 ~ Complete ~54:CHROMIUM BIOREMEDIATION USING EQUUS DUNG ~71:UNIVERSITY OF VENDA, University Road, South Africa ~72: John Ogony ODIYO;Joshua Nosa EDOKPAYI;Oruko Richard ONGON'G~ 33:ZA ~31:2022/09542 ~32:26/08/2022

2023/10855 ~ Complete ~54:SANDWICH BISCUIT CONTAINING COARSE CEREALS, AND PRODUCTION PROCESS THEREFOR ~71:ANHUI WANXUE FOODS CO., LTD, Baishan Town Industrial Park, Suixi County, Huaibei City, Anhui, 235100, People's Republic of China ~72: SUN, Chao~ 33:CN ~31:202110620120.1 ~32:03/06/2021

2023/10858 ~ Complete ~54:METHOD FOR PRODUCING A PURIFIED AND DECOLOURISED DIESTER MONOMER, BY MEANS OF DEPOLYMERISATION OF A POLYESTER FEEDSTOCK ~71:IFP ENERGIES NOUVELLES, 1 & 4 avenue du Bois-Préau, France;JEPLAN, INC., 12-2 Ogimachi, Kawasaki-ku, Japan ~72: AZIN GONDIM PAIVA, Mayara;BLANCKE, Guillaume;BONNIN, Charles;CHARRA, Cyprien;CHICHE, David;FAVRE, Frederic;HAROUN, Yacine;LEINEKUGEL LE COCQ, Damien;MEKKI-BERRADA, Adrien;THINON, Olivier~ 33:FR ~31:FR2106440 ~32:17/06/2021

2023/10861 ~ Complete ~54:A WATER SOLUBLE OR WATER DISPERSIBLE BOLUS ARTICLE CONTAINING BROMOFORM ~71:BIMEDA ANIMAL HEALTH LIMITED, Floor 1B, The Herbert Building, The Park, Ireland ~72: TIERNEY, Daniel Peter;TIERNEY, Donal Thomas Martin~ 33:GB ~31:2106923.2 ~32:14/05/2021

2023/10868 ~ Complete ~54:HIGH TEMPERATURE AND LOW PRESSURE FINING OF SUBMERGED COMBUSTION OR OTHER GLASS ~71:Owens-Brockway Glass Container Inc., One Michael Owens Way,

PERRYSBURG 43551, OH, USA, United States of America ~72: JIANG, Qing;SHI, Liming;WANG, Zhongming~ 33:US ~31:63/182,000 ~32:30/04/2021

2023/10876 ~ Complete ~54:METHOD FOR THE MAINTENANCE OF A SLIDING CLOSURE ON A MOLTEN METAL-CONTAINING VESSEL, AND SLIDING CLOSURE ~71:REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, Wienerbergstrasse 11, AT-1100, Vienna, Austria ~72: RAPHAEL RENGGLI;STEFANO BUTTIGNOL~ 33:EP ~31:21173829.9 ~32:14/05/2021

2023/10880 ~ Complete ~54:ENGINEERED METHIONINE GAMMA LYASE VARIANTS ~71:CODEXIS, INC., 200 Penobscot Drive, Redwood City, California, 94063, United States of America ~72: GJALT W HUISMAN;KERRYN MCCLUSKIE;KIERRA ALEECE FRANKLIN;KRISTEN JEAN VALLIEU;LEANN QUERTINMONT TEADT;NIKKI D KRUSE;STEPHANIE SUE GALANIE;VESNA MITCHELL~ 33:US ~31:63/191,799 ~32:21/05/2021;33:US ~31:63/274,349 ~32:01/11/2021

2023/10840 ~ Complete ~54:ENVIRONMENTAL-FRIENDLY WATER DISPENSER ~71:Dongguan University of Technology, No. 1, Daxue Road, Songshanhu District, Dongguan City, Guangdong Province, 523808, People's Republic of China ~72: LV, Qihui;WANG, Ben~ 33:CN ~31:2023113936146 ~32:25/10/2023

2023/10844 ~ Complete ~54:SURVEYING AND MAPPING MARKER POST FOR ENGINEERING SURVEYING AND MAPPING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: DING, Leixiang;LIANG, Zhansheng;LIU, Juan~

2023/10849 ~ Complete ~54:STRUCTURE PROTECTION SHEET, EXECUTION METHOD AND PRECAST MEMBER USING STRUCTURE PROTECTION SHEET, AND METHOD FOR MANUFACTURING PRECAST MEMBER ~71:KEIWA INCORPORATED, 10-5, Nihonbashi Kayabacho 2-chome, Chuo-ku, Tokyo, 1030025, Japan ~72: AKIRA NINOMIYA;KENTA SHIMOTANI;MASAKI YOSHIDA;NORIYUKI HORIUCHI;YOSHIKI NAKAJIMA~ 33:JP ~31:2019-132332 ~32:17/07/2019;33:JP ~31:2019-132333 ~32:17/07/2019

2023/10874 ~ Complete ~54:METHOD AND APPARATUS FOR THE PRESERVATION OF BEVERAGES WITH PUMP VENTING ~71:LANXESS DEUTSCHLAND GMBH, Kennedyplatz 1, Germany ~72: BURGHOLZ, Jonas;KUBATZ, Axel;SARTORIUS, Gerhard;VOGL, Erasmus~ 33:EP ~31:21175892.5 ~32:26/05/2021

2023/10878 ~ Complete ~54:FOLDABLE ELECTRONIC DEVICE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: SINYOUNG PARK~ 33:KR ~31:10-2021-0067057 ~32:25/05/2021

2023/10879 ~ Complete ~54:ANTIGEN-BINDING MOLECULE ~71:JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., No.7 Kunlunshan Road, Economic and Technological Development Zone, Lianyungang, Jiangsu, 222047, People's Republic of China;SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., No. 279 Wenjing Road Minhang District, Shanghai, 200245, People's Republic of China ~72: HUA YING;JINPING SHI;LANGYONG MAO;LING ZHANG;QIYUE HU;WEIKANG TAO;XIN YE;XINSHENG JIN~ 33:CN ~31:202110527339.7 ~32:14/05/2021

2023/10862 ~ Complete ~54:METHOD FOR ALLOWING IMMUNE CELLS INFILTRATION IN TUMORS ~71:Alethia Biotherapeutics Inc., 141, Président-Kennedy avenue, Suite SB-5100, MONTRÉAL H2X 1Y4, QUÉBEC, CANADA, Canada ~72: FILION, Mario~ 33:IB ~31:2021/050572 ~32:27/04/2021

2023/10865 ~ Complete ~54:WIRE ALIGNING MACHINE AND METHOD FOR STRAIGHTENING WIRE OR STRIP MATERIAL ~71:EVG Entwicklungs- u. Verwertungs-Gesellschaft m.b.H., Gustinus-Ambrosi-Straße 1-3, RAABA 8074, AUSTRIA, Austria ~72: MÜHLENFELD, Arndt;RESCH, Walter~ 33:AT ~31:A 50312/2021 ~32:27/04/2021

2023/10873 ~ Complete ~54:TRACKING ARRANGEMENT ~71:Bradley Benjamin SOLOMONS, 23 Eloff Street, South Africa ~72: Bradley Benjamin SOLOMONS~ 33:ZA ~31:2021/04895 ~32:16/08/2021

2023/10882 ~ Complete ~54:CORRUGATED STEEL PARTITION STRUCTURE ~71:Xi'an Century Metal Structure Co., Ltd., Room 21904, Unit 1, Building 1, Zhengxin Building, Gaoxin 1st Road, High-tech Zone, Yanta District, Xi'an City, Shaanxi Province, 710075, People's Republic of China ~72: Jianhua Zhao~ 33:CN ~31:202110883501.9 ~32:03/08/2021

2023/10850 ~ Complete ~54:PHOSPHORUS RECOVERY AND SYNGAS GENERATION FROM BIOWASTE ~71:MINTEK, 200 Malibongwe Drive, South Africa ~72: BANDA, Wesley Kondwani;GELDENHUYS, Isabella Johanna;KEKANA, Thokozile Penelope;MATINDE, Elias;REYNOLDS, Quinn Gareth;XAKALASHE, Buhle Sinaye~ 33:ZA ~31:2022/12778 ~32:24/11/2022

2023/10854 ~ Complete ~54:A WATER-SOLUBLE GLASS RUMEN BOLUS ~71:BIMEDA ANIMAL HEALTH LIMITED, Floor 1B, The Herbert Building, The Park, Ireland ~72: TIERNEY, Daniel Peter;TIERNEY, Donal Thomas Martin~ 33:GB ~31:2106921.6 ~32:14/05/2021

2023/10857 ~ Complete ~54:METHOD FOR PURIFYING A TEREPHTHALATE DIESTER MONOMER BY ADSORPTION ~71:IFP ENERGIES NOUVELLES, 1 & 4 avenue du Bois-Préau, France;JEPLAN, INC., 12-2 Ogimachi, Kawasaki-ku, Japan ~72: BLANCKE, Guillaume;CHICHE, David;LEINEKUGEL LE COCQ, Damien~ 33:FR ~31:FR2106439 ~32:17/06/2021

2023/10860 ~ Complete ~54:AN EVALUATION METHOD OF ECOLOGICAL SUITABILITY OF AGRICULTURAL LAND ~71:Anhui Science And Technology University, Anhui science and technology university Institute of Architecture, No.9 Donghua Road,, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: Wang Chaofan;Wang qiudi;Wang weizhe;Wang yukun;Xie Junyi;Zhang Wei~

2023/10867 ~ Complete ~54:MULTI-AGONIST AND USE THEREOF ~71:The United Bio-Technology (Hengqin) Co., Ltd., Room 501, Building 5, No.100 Feipeng Road, Guangdong-Macao, Cooperation Traditional Chinese Medicine Science and Technology Industrial Park Hengqin New DistrictZHUHAI 519031, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CAO, Chunlai;DENG, Huixing;HE, Xiuyi;HUANG, Liang;LIU, Xiaoxiao;XIE, Xin;ZHOU, Cui~ 33:CN ~31:202110576591.7 ~32:26/05/2021

2023/10881 ~ Complete ~54:DRYING DEVICE FOR DRYING CONTAINERS CONTAINING CLEANING FLUID, CONTROL DEVICE, AND METHOD ~71:BELVAC PRODUCTION MACHINERY, INC., 237 Graves Mill Road, Lynchburg, Virginia, 24502-4203, United States of America ~72: ULF REINHARDT;WILKO HARMS~ 33:DE ~31:10 2021 112 211.2 ~32:11/05/2021

2023/10884 ~ Complete ~54:IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS ~71:B1 INSTITUTE OF IMAGE TECHNOLOGY, INC., 1213-ho, 525, Gonghangdae-ro Gangseo-gu,, South Africa ~72: KIM, Ki Baek~ 33:KR ~31:10-2019-0115073 ~32:18/09/2019;33:WO ~31:PCT/KR2020/012252 ~32:10/09/2020

2023/10887 ~ Complete ~54:IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS ~71:B1 INSTITUTE OF IMAGE TECHNOLOGY, INC., 1213-ho, 525, Gonghangdae-ro Gangseo-gu,, South Africa ~72: KIM, Ki Baek~ 33:KR ~31:10-2019-0115073 ~32:18/09/2019

2023/10872 ~ Complete ~54:MEMBRANE SPARGERS FOR GRAVITY SEPARATORS AND FLOTATION MACHINES ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: CHRISTODOULOU, Lance;LEE, Joon Won;PARROTT, Jacob;SOK, Thien~ 33:US ~31:63/194,161 ~32:27/05/2021

2023/10883 ~ Complete ~54:A MULTI-LENS ACQUISITION DEVICE FOR THREE-DIMENSIONAL RECONSTRUCTION OF SCENIC SPOTS ~71:Jinggangshan University, No. 28, Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: Chen Guo;Jun Chen;Qing Fu;Shikun Xie;Wenlang Luo~

2023/10875 ~ Complete ~54:OXIDATION OF SULPHUR SPECIES ~71:METSO FINLAND OY, Rauhalanpuisto 9, Finland ~72: KAUPPI, Janne;SAARI, Eija~ 33:EP ~31:21170392.1 ~32:26/04/2021

2023/10847 ~ Complete ~54:A SYSTEM FOR DETECTING DISEASES IN PLANTS AND A METHOD THEREOF ~71:Dr Basavaraj Hiremath, Professor, Dayananda Sagar University, Bangalore, India;Dr Girisha, Professor, Dayananda Sagar University, Bangalore, India;Dr Pramod Kumar Naik, Associate Professor, Dayananda Sagar University, Bangalore, India;Dr Ravinder Singh Kuntal, Associate Professor, Dayananda Sagar University, Bangalore, India;Dr Sindhu Menon, Professor, REVA UNIVERSITY, Bangalore, India;Mr Baskar Venugopalan, Professor of Practice, Dayananda Sagar University, Bangalore, India ~72: Dr Basavaraj Hiremath;Dr Girisha;Dr Pramod Kumar Naik;Dr Ravinder Singh Kuntal;Dr Sindhu Menon;Mr Baskar Venugopalan~

2023/10852 ~ Complete ~54:REACTOR CELL FOR PHOTOCATALYSIS OF GASEOUS SPECIES FOR INDUSTRIAL CHEMICAL PRODUCTION ~71:SYZYGY PLASMONICS INC., 9000 Kirby Drive, United States of America ~72: BEST, Trevor William;CHAPMAN, Jonathan Morris;HUDSON, Jack Elliot;KHATIWADA, Suman;SHAH, Shreya;THIRUMALAI, Hari Narayanan Rangarajan~ 33:US ~31:63/202,099 ~32:27/05/2021

2023/10859 ~ Complete ~54:ANTIBODIES FOR TREATING ALPHA-SYNUCLEINOPATHIES ~71:ABL BIO INCORPORATED, 2F, 16, Daewangpangyo-ro, 712 beon-gil Bundang-gu, Republic of Korea ~72: AHN, Jinhyung;AN, Sungwon;JUNG, Jinwon;KIM, Donghwan;KIM, Dongin;KIM, Juhee;LEE, Bora;PAK, Youngdon;PARK, Kyungjin;SHIN, Jung-Won;SON, Yong-Gyu;SONG, Daehae;SUNG, Byungje;YUN, Hyesu~ 33:KR ~31:10-2021-0061407 ~32:12/05/2021

2023/10864 ~ Complete ~54:AEROSOL GENERATING COMPOSITION COMPRISING NICOTINE AND ACID OR NICOTINE SALT ~71:RAI Strategic Holdings, Inc., 401 North Main Street, WINSTON-SALEM 27101, NC, USA, United States of America ~72: CARAWAY Jr., John Will;DAVIS, Michael F.;ROWE, Jennifer;ULRICH, John~ 33:US ~31:63/193,877 ~32:27/05/2021

2023/10869 ~ Complete ~54:METHOD AND PLANT FOR PRODUCING AMMONIA ~71:Linde GmbH, Dr.-Carl-von-Linde-Str. 6-14, PULLACH 82049, GERMANY, Germany ~72: LAUTENSCHLAGER, Tobias~ 33:EP ~31:21020288.3 ~32:01/06/2021

2023/10870 ~ Complete ~54:AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: TAVERN, Syd~ 33:GB ~31:2107483.6 ~32:26/05/2021

2023/10841 ~ Complete ~54:RIVER SLOPE CLEANING DEVICE ~71:Dongguan University of Technology, No. 1, Daxue Road, Songshanhu District, Dongguan City, Guangdong Province, 523808, People's Republic of China;Harbin Institute of Technology, Shenzhen(Science and Technology Innovation Research Institute of Harbin Institute of Technology, Shenzhen), K101 Training Building, Harbin Institute of Technology Campus, Shenzhen University Town, Taoyuan Street, Nanshan District, Shenzhen City, Guangdong Province, 518055, People's Republic of China ~72: LV, Qihui;WANG, Ben;YAO, Zhaoyue~ 33:CN ~31:2023114022113 ~32:26/10/2023

2023/10845 ~ Complete ~54:A ROBOTIC GLOVE SYSTEM FOR HEALING USING MUDRA THERAPY ~71:Dr Arun Gopu, Associate Professor, Dayananda Sagar University, Bangalore, India;Dr Gayathri K M, Associate Professor, Dayananda Sagar University, Bangalore, India;Dr Pramod Kumar Naik, Associate Professor, Dayananda Sagar University, Bangalore, India;Dr Ravinder Singh Kuntal, Associate Professor, Dayananda

Sagar University, Bangalore, India;Prof Kanmani B S, Assistant Professor, Dayananda Sagar University, Bangalore, India;Prof Manasa K R, Assistant Professor, Dayananda Sagar University, Bangalore, India ~72: Dr Arun Gopu;Dr Gayathri K M;Dr Pramod Kumar Naik;Dr Ravinder Singh Kuntal;Prof Kanmani B S;Prof Manasa K R~

2023/10856 ~ Complete ~54:MEAL REPLACEMENT PASTRY AND PREPARATION METHOD THEREFOR ~71:ANHUI WANXUE FOODS CO., LTD, Baishan Town Industrial Park, Suixi County, Huaibei City, Anhui, 235100, People's Republic of China ~72: SUN, Chao~ 33:CN ~31:202110632477.1 ~32:07/06/2021

2023/10863 ~ Complete ~54:PHENYL UREA DERIVATIVE ~71:Sumitomo Pharma Co., Ltd., 6-8, Doshomachi 2-chome, Chuo-ku, OSAKA-SHI 5410045, OSAKA, JAPAN, Japan ~72: FUNAKOSHI, Yuta;IDEUE, Eiji;KOMIYA, Masafumi;LEE, Shoukou;TANAKA, Daisuke;UESUGI, Shunichiro~ 33:JP ~31:2021-088034 ~32:26/05/2021

2023/10886 ~ Complete ~54:IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS ~71:B1 INSTITUTE OF IMAGE TECHNOLOGY, INC., 1213-ho, 525, Gonghangdae-ro Gangseo-gu,, South Africa ~72: KIM, Ki Baek~ 33:KR ~31:10-2019-0115073 ~32:18/09/2019

2023/10885 ~ Complete ~54:IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS ~71:B1 INSTITUTE OF IMAGE TECHNOLOGY, INC., 1213-ho, 525, Gonghangdae-ro Gangseo-gu,, South Africa ~72: KIM, Ki Baek~ 33:KR ~31:10-2019-0115073 ~32:18/09/2019;33:WO ~31:PCT/KR2020/012252 ~32:10/09/2020

2023/10846 ~ Complete ~54:DROUGHT RESISTANCE APPRAISAL METHOD SUITABLE FOR MEMBRANE RIGDE CROSS IN ZEA MAYS FIELDS ~71:Institute of Food Crops, Xinjiang Academy of Agricultural Sciences, No.403 Nanchang Road, Shayibake District, Urumqi, Xinjiang Uygur Autonomous Region, 830091, People's Republic of China ~72: Li Dong;Liu Cheng;Sun Baocheng;Tang Huaijun;Xie Xiaoqing;Zhang Lei~

2023/10853 ~ Complete ~54:METHODS AND COMPOSITIONS FOR THE EXTRACTION OF PHYTOCHEMICALS FROM PLANT MATERIAL ~71:EHEMPHOUSE CORP., 120 Hawley Street, United States of America ~72: MEHTA, Adosh;NEAL, Andrew T.~ 33:US ~31:17/345,923 ~32:11/06/2021

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

Application Number	Assignor	Assignee
2023/08158	METSO OUTOTEC FINLAND OY	METSO OUTOTEC METALS OY
2018/00920	METSO MINERALS INDUSTRIES INC.	METSO OUTOTEC USA INC.
2022/09717	ABZAC CANADA INC.	PIERRE-MICHEL D'ANGLADE
217/02578	ALFOREX SEEDS LLC	DLF USA INC.
2020/07662	OUTOTEC (FINLAND) OY	METSO MINERALS OY
2014/08690	SHANDONG XINCHUANG BIOTECHNOLOGY CO., LTD.	SHIHUIDA PHARMACEUTICAL GROUP (JILIN) CO., LTD.
2015/03227	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2013/05972	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2015/07106	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2015/00965	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2015/03226	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2020/05230	CYCLERION THERAPEUTICS, INC.	TISENTO THERAPEUTICS INC.
2014/02509	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG

Application Number	Assignor	Assignee
2020/05231	CYCLERION THERAPEUTICS, INC.	TISENTO THERAPEUTICS INC.
2015/03228	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2021/10661	BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED	NICOVENTURES TRADING LIMITED
2020/07803	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2023/06717	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2023/06718	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2022/13121	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2023/03508	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2020/02610	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2020/03436	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2020/07701	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2020/03461	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2020/03435	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2021/10661	BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED	NICOVENTURES TRADING LIMITED
2015/03228	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2020/04041	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NING KASAI TECHNOLOGY (SHANGHAI) CO., LTD.
2015/04861	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NING KASAI TECHNOLOGY (SHANGHAI) CO., LTD.
2011/09514	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NING KASAI TECHNOLOGY (SHANGHAI) CO., LTD.
2013/02375	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NING KASAI TECHNOLOGY (SHANGHAI) CO., LTD.
2013/00435	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NING KASAI TECHNOLOGY (SHANGHAI) CO., LTD.
2013/03237	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NING KASAI TECHNOLOGY (SHANGHAI) CO., LTD.
2019/01102	CYCLERION THERAPEUTICS, INC.	TISENTO THERAPEUTICS INC.
2019/0304	CYCLERION THERAPEUTICS, INC.	TISENTO THERAPEUTICS INC.
2015/02650	ENN COAL GASIFICATION MINING CO., LTD.	ENN SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD.
2021/00095	CYCLERION THERAPEUTICS, INC.	TISENTO THERAPEUTICS INC.
2010/01965	LANDIS+GYR INNOVATIONS, INC.	LANDIS+GYR TECHNOLOGY, INC.
2017/07820	DIRKX, GEERT	OGD TECH S.A.S.
2015/02651	ENN COAL GASIFICATION MINING CO., LTD.	ENN SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD.
2010/07159	OUTOTEC (FILTERS) OY	METSO MINERALS OY
2016/04551	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2016/03378	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2016/08139	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG

Application Number	Assignor	Assignee
2016/05001	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2016/03601	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2016/05000	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2016/06196	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2016/01007	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2016/01176	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/00920	METSO MINERALS INDUSTRIES INC.	METSO OUTOTEC USA INC.
2008/06975	THERMODRIVE LLC	LAITRAM, L.L.C.
2014/03344	OUTOTEC (FILTERS) OY	METSO MINERALS OY
2010/01968	LANDIS+GYR INNOVATIONS, INC.	LANDIS+GYR TECHNOLOGY, INC.
2021/01770	ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY	HEFEI TRUMP MACHINERY MANUFACTURING CO., LTD.
2013/03915	VELOS MEDIA INTERNATIONAL LIMITED	ERICSSON LLC
2013/03915	ERICSSON LLC	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2010/07159	OUTOTEC (FILTERS) OY	METSO MINERALS OY
2015/08275	JOHN COCKERILL SA	JOHN COCKERILL RENEWABLES SA
2020/05421	JOHN COCKERILL SA	JOHN COCKERILL RENEWABLES SA
2022/01466	JOHN COCKERILL SA	JOHN COCKERILL RENEWABLES SA
2018/01400	JOHN COCKERILL SA	JOHN COCKERILL RENEWABLES SA
2017/03118	JOHN COCKERILL SA	JOHN COCKERILL RENEWABLES SA
2004/09947	BARLOWWORLD ROBOR (PROPRIETARY) LIMITED	ROBOR (PTY) LTD
2014/08101	JOHN COCKERILL SA	JOHN COCKERILL RENEWABLES SA
2020/02693	JOHN COCKERILL SA	JOHN COCKERILL RENEWABLES SA
2018/08496	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/05275	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/03659	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/08448	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/08493	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/05226	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/08003	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/05276	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/08449	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2018/08002	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2019/00852	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2019/04795	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2019/01488	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2019/01487	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2019/02581	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2019/01485	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2019/06870	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2013/07287	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NINGKASAI TECHNOLOGY (SHANGHAI) CO, LTD.
2013/07590	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NINGKASAI TECHNOLOGY (SHANGHAI) CO, LTD.
2015/00295	CHANGWEI SYSTEM	NINGKASAI TECHNOLOGY (SHANGHAI) CO,

Application Number	Assignor	Assignee
	TECHNOLOGY (SHANGHAI) CO., LTD.	LTD.
2015/07157	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NINGKASAI TECHNOLOGY (SHANGHAI) CO, LTD.
2013/07591	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NINGKASAI TECHNOLOGY (SHANGHAI) CO, LTD.
2014/01263	CHANGWEI SYSTEM TECHNOLOGY (SHANGHAI) CO., LTD.	NINGKASAI TECHNOLOGY (SHANGHAI) CO, LTD.
2017/07451	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2017/04767	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2017/04683	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2017/07486	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2017/07485	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2017/04765	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2017/04765	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2017/04764	EVONIK OPERATIONS GMBH	EVONIK OXENO GMBH & CO. KG
2011/05787	JOHN COCKERILL SA and ABENGOA SOLAR NEW TECHNOLOGIES, S.A.	JOHN COCKERILL RENEWABLES SA and ABENGOA SOLAR NEW TECHNOLOGIES, S.A.
2021/09729	ALPINE ALA TECHNOLOGIES OF SHANGHAI CO., LTD.	ZHOU LIANHUI
2021/09728	ALPINE ALA TECHNOLOGIES OF SHANGHAI CO., LTD.	ZHOU LIANHUI
2021/09835	PENTAGON MAPLE LEAF INFORMATION TECHNOLOGIES OF KUNSHAN CO., LTD.	ZHOU LIANHUI
2021/09796	PENTAGON MAPLE LEAF INFORMATION TECHNOLOGIES OF KUNSHAN CO., LTD.	ZHOU LIANHUI
2021/09851	PENTAGON MAPLE LEAF INFORMATION TECHNOLOGIES OF KUNSHAN CO., LTD.	ZHOU LIANHUI
2021/09788	ALPINE ALA TECHNOLOGIES OF SHANGHAI CO., LTD.	ZHOU LIANHUI
2019/01213	SCHENCK PROCESS EUROPE GMBH	SANDVIK MINING AND CONSTRUCTION DEUTSCHLAND GMBH
2019/01213	SANDVIK MINING AND CONSTRUCTION DEUTSCHLAND GMBH	SCHENCK PROCESS AUSTRALIA PTY LTD
2023/07832	STARSHINING BIOLOGICS (SHANGHAI) CO., LTD	STARMAB BIOLOGICS (SHANGHAI) CO., LTD
2021/10159	EGI TECH (SHEN ZHEN) CO., LIMITED	QINGDAO MGI TECH CO., LTD.
2020/01136	SCHENCK PROCESS EUROPE GMBH	SANDVIK MINING AND CONSTRUCTION DEUTSCHLAND GMBH
2020/01136	SANDVIK MINING AND CONSTRUCTION DEUTSCHLAND GMBH	SCHENCK PROCESS AUSTRALIA PTY LTD
2021/10432	ID TECHNOVATIONS PTE LTD	RFID PAPER SDN. BHD.

Application Number	Assignor	Assignee
2021/10433	ID TECHNOVATIONS PTE LTD	RFID PAPER SDN. BHD.
2021/10431	ID TECHNOVATIONS PTE LTD	RFID PAPER SDN. BHD.
2023/08733	DAESANG CORPORATION	CJ CHEILJEDANG CORPORATION
2020/02357	SENSEN NETWORKS GROUP PTY LTD	ANGEL GROUP CO., LTD.
2022/13947	SENSEN NETWORKS GROUP PTY LTD	ANGEL GROUP CO., LTD.
2020/05824	FORMA THERAPEUTICS, INC.	NOVO NORDISK HEALTH CARE AG
2022/01234	NOVAPHOS INC.	NOVAPHOS PHOSPHATE TECHNOLOGY LLC
2017/08204	BINDER + CO. AG	OMYA INTERNATIONAL AG
2019/06278	FORMA THERAPEUTICS, INC.	NOVO NORDISK HEALTH CARE AG
2022/13947	SENSEN NETWORKS GROUP PTY LTD	ANGEL GROUP CO., LTD.
2020/07012	OUTOTEC (FINLAND) OY	METSO MINERALS OY
2013/00735	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2020/00716	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2020/00641	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2019/01306	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2018/08237	TRENCHARD, DOUGLAS MICHAEL and TRENCHARD, ROBERT CHARLES	HYDROX TECHNOLOGIES PTY LTD
2017/04745	PRICEWATERHOUSECOOPERS LLP	PWC PRODUCT SALES LLC
2021/00782	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2023/06260	WORKFORCE BIOLOGICS LTD	MAZE GREEN LIMITED
2005/06378	SHIRE HUMAN GENETIC THERAPIES, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2018/08237	HYDROX TECHNOLOGIES PTY LTD	MARIANA DIAMOND PTY LTD
2015/00035	FMC AGRICULTURAL PRODUCTS INTERNATIONAL AG	FMC AGRO SINGAPORE PTE. LTD.
2022/02538	FMC AGRICULTURAL PRODUCTS INTERNATIONAL AG	FMC AGRO SINGAPORE PTE. LTD.
2013/05238	FMC AGRICULTURAL PRODUCTS INTERNATIONAL AG	FMC AGRO SINGAPORE PTE. LTD.
2019/01066	JANSSEN PHARMACEUTICA NV	JANSSEN BIOTECH, INC.
2021/00563	KYOCERA FINECERAMICS PRECISION GMBH	KYOCERA FINECERAMICS EUROPE GMBH
2012/03123	AVENTIS PHARMA SARL	SANOFI MATURE IP
2023/03377	IRROVATE (PTY) LTD	DNA IRRIGATION (PTY) LTD
2023/03977	CLARKE, RICHARD ENSLIN	DNA IRRIGATION (PTY) LTD
2006/09162	AVENTIS PHARMA SA	SANOFI MATURE IP
2021/00826	NESA S.R.L. and ALBERTELLI LUCA MAFFEO	OFFICINE MACCAFERRI S.P.A.
2016/08430	METTEN STEIN+DESIGN GMBH & CO. KG	METTEN TECHNOLOGIES GMBH & CO. KG

Application Number	Assignor	Assignee
2017/03473	TOLMAR THERAPEUTICS, INC.	TOLMAR, INC.
2016/05663	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2016/00826	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2014/03630	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2013/00035	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2018/03558	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2019/00175	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2019/00271	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2016/05755	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH
2018/01084	SIEMENS AKTIENGESELLSCHAFT	INNOMOTICS GMBH

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2023/08158	METSO OUTOTEC METLAS OY	METSO METALS OY
2011/09438	KEMPHARM, INC.	ZEVRA THERAPEUTICS, INC.
2010/07159	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2014/03344	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2010/07159	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2015/08275	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERIL SA
2020/05421	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERIL SA
2016/01385	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERIL SA
2018/00455	LINCO FOOD SYSTEMS A/S	BAADER FOOD SYSTEMS DENMARK A/S
2019/05840	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERIL SA
2018/01400	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERIL SA
2017/03118	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERIL SA
2020/02693	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERIL SA
2014/08101	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERIL SA
2021/10433	ISBC INNOVATIONS PTE. LTD.	ID TECHNOVATIONS PTE. LTD.
2018/06300	SONY MOBILE COMMUNICATIONS INC.	SONY CORPORATION

Application Number	In the name of	New name
2018/06300	SONY CORPORATION	SONY GROUP CORPORATION
2020/02693	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERILL SA
2019/05526	METDO MINERALS OY	METSO OUTOTEC FINLAND OY
2021/10431	ISBC INNOVATIONS PTE. LTD.	ID TECHNOVATIONS PTE. LTD.
2021/10432	ISBC INNOVATIONS PTE. LTD.	ID TECHNOVATIONS PTE. LTD.
2020/04879	AURIGENE DISCOVERY TECHNOLOGIES LIMITED	AURIGENE ONCOLOGY LIMITED
2021/03786	AURIGENE DISCOVERY TECHNOLOGIES LIMITED	AURIGENE ONCOLOGY LIMITED
2021/05065	ONXEO	VALERIO THERAPEUTICS
2011/05787	COCKERILL MAINTENANCE & INGENIERIE SA	JOHN COCKERILL SA
2014/03860	CLEAN TEQ HOLDINGS LIMITED	CLEAN TEQ PTY LTD.
2012/03832	HOVIONE CHINA HOLDING LIMITED	IMAX HOLDING LIMITED
2012/03832	IMAX HOLDING LIMITED	IMAX DIAGNOSTIC IMAGING HOLDING LIMITED
2019/06544	LEGAMI S.R.L.	LEGAMI S.P.A.
2019/06544	LEGAMI S.P.A.	LEGAMI S.P.A. SOCIETA BENEFIT

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

Application Number	Licensor	Licensee
2018/00675	WORLD GOLF SYSTEMS LIMITED	PUTTSHACK LIMITED
2014/07584	WORLD GOLF SYSTEMS LIMITED	PUTTSHACK LIMITED

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2022/12195	WITHDRAWN	16/11/2023

APPLICATION FOR THE RESTORATION OF A LAPSED PATENT UNDER SECTION 47 OF THE ACT

Notice is hereby given that **MINDSHIFT HEALTH SOLUTIONS (PTY) LTD,** whose address for service is **DE BEER ATTORNEYS INC, CAPE TOWN** has applied to the registrar for the restoration of Patent No **2016/03786** entitled **A SYSTEM FOR, AND A METHOD OF FUNDING MEDICAL COSTS**, dated **03/06/2016**, which lapsed on **03/06/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **BIODX BIOLOGICAL CHEMICAL TECHNOLOGIES (PTY) LTD,** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2018/01745** entitled **BIOCIDES AND PREPARATION THEREOF**, dated **14/09/2016**, which lapsed on **14/09/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **FN HERSTAL S.A,** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2020/05427** entitled **TRIGGER MECHANISM FOR FIREARM**, dated **07/02/2019**, which lapsed on **07/02/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

THE PATENTS ACT, No. 57 OF 1978

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

Notice is hereby given that **Guangzhou University No. 203, Outer Ring East Road, Xiaoguwei Street, Panyu District, Guangzhou City, Guangdong Province, 510000, CHINA,** has offered to surrender South African patent no: **2023/02747**.

South African Patent No: **2023/02747** is deemed to be revoked as of **27 FEBRUARY 2023.**

Any person may give notice of opposition to the voluntary surrender of the patent within two months of the advertisement hereof.

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: MONSANTO TECHNOLOGY LLC 800 North Lindbergh Boulevard, St. Louis MO 63167, Missouri. Request permission to amend the specification of letters patent no**: 2017/03341** of **15/05/2017** for **NOVEL INSECT INHIBITORY PROTEINS**.

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: RHODES UNIVERSITY Lucas Avenue 6139 Grahamstown.; CITRUS RESEARCH INTERNATIONAL (PTY) LTD Room 3042, JS Marais Building, Victoria Street, University of Stellenbosch 7600 Stellenbosch., RIVER BIOSCIENCE (PTY) LTD 177 Cape Road 6001 Port Elizabeth. Request permission to amend the specification of letters patent no: **2019/00791** of **07/02/2019** for **A BIOPESTICIDE**.

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: VIVORYON THERAPEUTICS N.V. Weinbergweg 22 06120 Halle/Saale. Request permission to amend the specification of letters patent no: **2020/04784** of **31/07/2020** for **HUMANIZED AND DE-IMMUNIZED ANTIBODIES**.

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: DUBY, Sean R. 1215 Fee Ana Street, Anaheim California 92807. Request permission to amend the specification of letters patent no: **2020/06941** of **06/11/2020** for **DISCHARGE FILTER PLATE ASSEMBLY FOR FILTER PRESS**.

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: GUPTA, Vishal 21 Sunder Nagar New Delhi 110003. Request permission to amend the specification of letters patent no: **2020/07220** of **19/11/2020** for **DECENTRALIZED DOCUMENT AND ENTITY VERIFICATION ENGINE**.

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: GELION TECHNOLOGIES PTY LTD OF **C/O BEDFORD CA, LEVEL 16, 101 MILLER STREET, NORTH SYDNEY, NEW SOUTH WALES, 2060, AUSTRALIA.** Request permission to amend the specification of letters patent no: **2021/01565** of **8 MARCH 2021** for **BATTERY WITH HALOGEN SEQUESTERING AGENT**

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: DUST BIOSOLUTIONS GMBH Am Klopferspitz 19 82152 Planegg. Request permission to amend the specification of letters patent no: **2019/07649** of **19/11/2019** for **PREVENTING OR REDUCING PLANT GROWTH BY BIOCEMENTATION.**

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: FABCHEM MINING (PTY) LIMITED Industrial Park, 58 Watt Road, New Era 1559 Springs. Request permission to amend the specification of letters patent no: **2021/03023** of **22/10/2019** for **APPARATUS AND METHOD FOR TESTING INSTALLATION OF A REINFORCING ANCHOR**.

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**

(Payment to be affected by means of revenue stamps only.)

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.

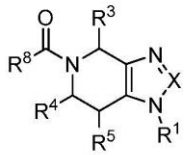
The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(DA)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)**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

Registrar of Patents

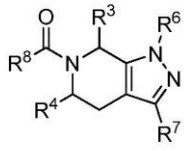
21: 2015/05580. 22: 2015/08/03. 43: 2023/11/08
51: C12N
71: REGENERON PHARMACEUTICALS, INC.
72: LEE, JEFFREY D., AUERBACH, WOJTEK, HESLIN, DAVID, FRENDEWEY, DAVID, LAI, KA-MAN, VENUS, VALENZUELA, DAVID M.
33: US 31: 61/676,093 32: 2013-02-20
54: GENETIC MODIFICATIONS OF RATS
00: -
Compositions and methods are provided for making rat pluripotent and totipotent cells, including rat embryonic stem (ES) cells. Compositions and methods for improving efficiency or frequency of germline transmission of genetic modifications in rats are provided. Such methods and compositions comprise an in vitro culture comprising a feeder cell layer and a population of rat ES cells or a rat ES cell line, wherein the in vitro culture conditions maintain pluripotency of the ES cell and comprises a media having mouse leukemia inhibitor factor (LIF) or an active variant or fragment thereof. Various methods

of establishing such rat ES cell lines are further provided. Methods of selecting genetically modified rat ES cells are also provided, along with various methods to generate a transgenic rat from the genetically modified rat ES cells provided herein. Various kits and articles of manufacture are further provided.

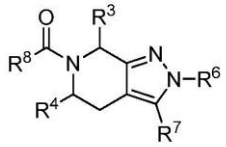
21: 2015/07627. 22: 2015/10/13. 43: 2023/09/12
51: A61K; A61P; C07D
71: Janssen Pharmaceutica NV
72: ALCAZAR VACA, Manuel Jesus, ALLISON, Brett D., ANDRES GIL, Jose Ignacio, CHROVIAN, Christa C., COATE, Heather R., DE ANGELIS, Meri, DENG, Xiaohu, DVORAK, Curt A., GELIN, Christine F., LETAVIC, Michael A., LIANG, Jimmy T., MANI, Neelakandha S., RECH, Jason C., SAVALL, Brad M., SOYODE-JOHNSON, Akinola, STENNE, Brice M., SWANSON, Devin M., WALL, Jessica L.
33: US 31: 61/786,260 32: 2013-03-14
54: P2X7 MODULATORS
00: -
The present invention is directed to compounds of Formulas (I, la, lla and IIb). The invention also relates to pharmaceutical compositions comprising compounds of Formulas (I, la, lla and IIb). Methods of making and using the compounds of Formulas (I, la, lla and IIb) are also within the scope of the invention.



Formula (I) & Formula (Ia)



Formula (IIa)



Formula (IIb)

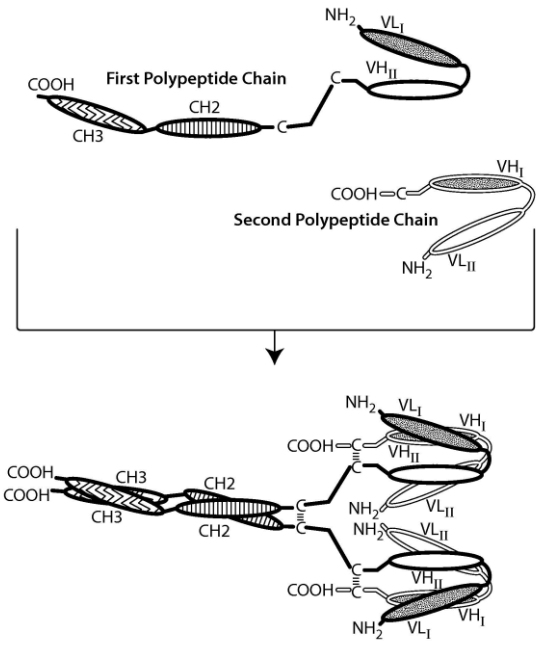
21: 2016/01534. 22: 2016/03/04. 43: 2023/09/21
51: A61K; C07D; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: NITTOLI, THOMAS, JAIN, NARESHKUMAR F, MARKOTAN, THOMAS PATRICK
33: US 31: 61/934,313 32: 2014-01-31
33: US 31: 61/869,954 32: 2013-08-26
54: PHARMACEUTICAL COMPOSITIONS COMPRISING MACROLIDE DIASTEREOMERS, METHODS OF THEIR SYNTHESIS AND THERAPEUTIC USES
00: -
The disclosure relates to compositions comprising diastereomer of a macrolide exhibiting improved therapeutic profile in the context of inhibiting cell proliferation compared to the corresponding compositions comprising mixture of diastereomers. The disclosure further provides drug-ligand conjugates formed using diastereomer of the macrolide. The disclosure also provides novel method of preparation of diastereomer of the macrolide and their therapeutic uses.

21: 2016/08614. 22: 2016/11/29. 43: 2023/08/30
51: A61K
71: Intervet International B.V.
72: FREEHAUF, Keith, WALDRON, Niki, LUTZ, Jürgen, GUERINO, Frank
33: EP(NL) 31: 12163198.0 32: 2012-04-04
54: SOLID ORAL PHARMACEUTICAL COMPOSITIONS FOR ISOXAZOLINE COMPOUNDS
00: -
A solid oral pharmaceutical composition for delivery of a pharmaceutically acceptable active ingredient to an animal where the composition comprises an isoxazoline compound, a solvent and an excipient, a process for the manufacture of such solid oral pharmaceutical composition and a method of controlling a parasite infection administering such solid oral pharmaceutical composition.

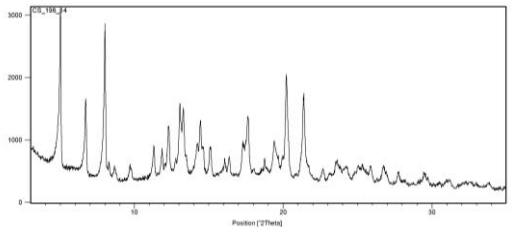
21: 2017/00671. 22: 2017/01/26. 43: 2023/10/31
51: A61K; C07D; A61P
71: NUEVOLUTION A/S
72: SCHRØDER GLAD, Sanne, GRØN NØRAGER, Niels, SARVARY, Ian, HAAHR GOULIAEV, Alex, TEUBER, Lene, STASI, Luigi Piero
33: SE 31: 1450920-2 32: 2014-08-04
33: SE 31: 1451406-1 32: 2014-11-21
54: OPTIONALLY FUSED HETEROCYCLYL-SUBSTITUTED DERIVATIVES OF PYRIMIDINE USEFUL FOR THE TREATMENT OF INFLAMMATORY, METABOLIC, ONCOLOGIC AND AUTOIMMUNE DISEASES
00: -
Disclosed are compounds active towards nuclear receptors, pharmaceutical compositions containing

the compounds and use of the compounds in therapy.

21: 2017/01384. 22: 2017/02/23. 43: 2023/08/02
51: A61K; C07K; C12P
71: Boehringer Ingelheim International GmbH, MacroGenics, Inc.
72: BARRETT, Rachel Rebecca, JOHNSON, Leslie S., SINGH, Sanjaya, LAST-BARNEY, Kathleen, SHIH, Daw-Tsun, GIBLIN, Patricia, BRODEUR, Scott, NAGARAJA, Nelamangala
33: US 31: 62/045,498 32: 2014-09-03
54: COMPOUND TARGETING IL-23A AND TNF-ALPHA AND USES THEREOF
00: -
The disclosure relates to compounds specific for IL23A and TNF-alpha, compositions comprising the compounds, and methods of use thereof. Nucleic acids, cells, and methods of production related to the compounds and compositions are also disclosed.



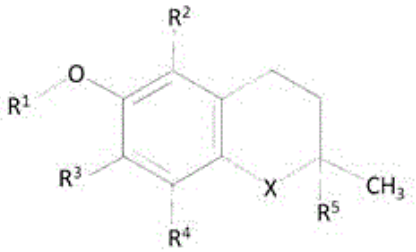
21: 2017/01723. 22: 2017/03/09. 43: 2023/10/30
51: C07H
71: NUCANA BIOMED LIMITED
72: GRIFFITH, Hugh
33: GB 31: 1417644.0 32: 2014-10-06
54: METHODS OF SEPARATING GEMCITABINE-PHOSPHATE DIASTEREOISOMERS
00: -
This application relates to a method of separating the phosphate diastereoisomers of gemcitabine-[phenyl-benzoxy-L-alaninyl)]-phosphate (NUC-1031) using crystallisation. In particular, crystallisation from isopropyl alcohol provides gemcitabine-[phenyl-benzoxy-L-alaninyl)]-(S)-phosphate in high diastereoisomerically pure form. This application also relates to a crystalline form of gemcitabine-[phenyl-benzoxy-L-alaninyl)]-(S)-phosphate.



21: 2017/03523. 22: 2017/05/23. 43: 2023/10/19
51: C04B
71: KRUGER, Juan Bernard
72: KRUGER, Juan Bernard
33: ZA 31: 2016/03665 32: 2016-05-30
54: CEMENTITIOUS MATERIAL
00: -
The invention provides a composite precast material which includes a bonding component of a polyester resin, an initiator, and an aggregate of Norite.

21: 2017/05465. 22: 2017/08/11. 43: 2023/09/04
51: C06B
71: P.B. CLERMONT
72: DEJEAIFVE, ALAIN, DOBSON, ROWAN
33: EP 31: 15156490.3 32: 2015-02-25
54: TOCOPHEROL STABILISERS FOR NITROCELLULOSE-BASED PROPELLANTS
00: -
The present invention concerns a nitrocellulose-based propellant composition comprising : (a) a nitrate ester based propellant comprising nitrocellulose; and (b) a stabiliser consisting of a tocopherol compound with a general formula (I), wherein : X is oxygen; R^1 is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, aryl, heteroaryl, carboxylic acid, carboxylate, ester, saccharide, alkoxy-linked saccharide, alcohol, and ethers; R^2 is selected from the group consisting of hydrogen methyl, benzyl carboxylic acid, benzyl carboxylate, benzylester and saccharide; R^3 is selected from the group consisting of hydrogen,

methyl, benzyl carboxylic acid, benzyl carboxylate, benzylester and saccharide; R^4 is selected from the group consisting of methyl, benzyl carboxylic acid, benzyl carboxylate, benzylester and saccharide; R^5 is selected from the group consisting of alkyl and alkenyl.



(I)

21: 2017/08034. 22: 2017/11/27. 43: 2023/11/13
51: F21V
71: ZIESING, Dieter Andrew
72: ZIESING, Dieter Andrew
33: ZA 31: 2016/08319 32: 2016-12-02
54: CANDLE HOLDER
00: -
The invention provides a candle holder kit made from a sheet of a rigid material which includes a stand comprising a pair of stand members, each member integrally having, a base portion with a top edge, a pair of candle holding elements which extend from the top edge of the base portion, a pair of legs that extend from the base portion away from the support elements and an engagement formation on an outer facing edge and a rigidifying element for rigidifying the stand when the planar members are inter-engaged in assembly of the kit which is adapted to engage with each engagement formation.

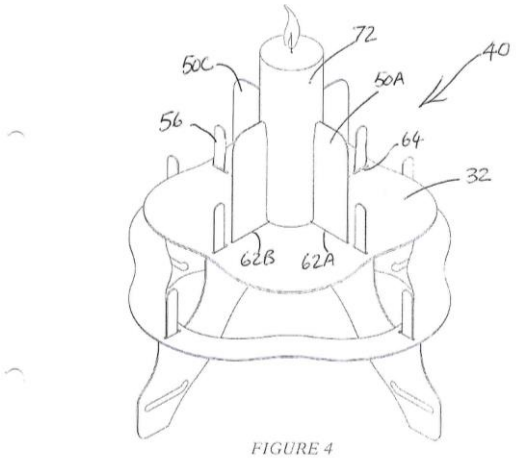


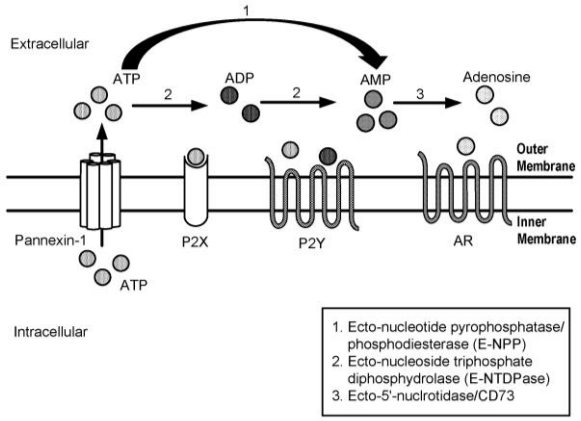
FIGURE 4

21: 2018/01945. 22: 2018/03/23. 43: 2023/09/21
51: A61K; C07C; A61P
71: CELLIX BIO PRIVATE LIMITED
72: KANDULA, Mahesh
33: IN 31: 4630/CHE/2015 32: 2015-09-02
33: IN 31: 201641019113 32: 2016-06-02
54: COMPOSITIONS AND METHODS FOR THE TREATMENT OF PARKINSON'S DISEASE
00: -
The invention relates to the compounds of formula I, formula II and formula III or its pharmaceutical acceptable salts, as well as polymorphs, solvates, enantiomers, stereoisomers and hydrates thereof. The pharmaceutical compositions comprising an effective amount of compounds of formula I, formula II and formula III, and methods for treating or preventing Parkinson's diseasemay be formulated for oral, buccal, rectal, topical, transdermal, transmucosal, intravenous, parenteral administration, syrup, or injection. Such compositions may be used to treatment or management of Parkinson's disease such as Parkinson's disease, scleroderma, restless leg syndrome, hypertension and gestational hypertension.

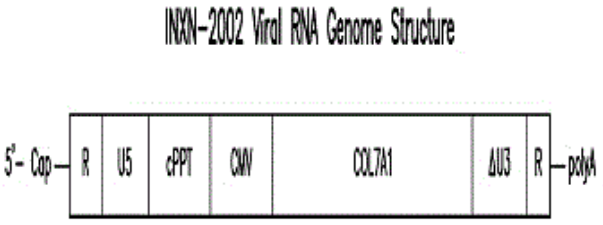
21: 2018/02296. 22: 2018/04/09. 43: 2023/11/13
51: A23K; A61K; A61P
71: PGG WRIGHTSON SEEDS LIMITED
72: WESTWOOD, Charlotte, MOORHEAD, Allister, KEMP, Peter David, NAVARRETE QUIJADA, Soledad Del Carmen, JUDSON, Howard Glenn, STEWART, Alan
33: NZ 31: 713302 32: 2015-10-14
54: NITROGEN UTILISATION MODULATION

00: -
The invention relates to methods, uses and products for modulating nitrogen utilisation in animals. The invention relates to products and animal feeds comprising secondary plant metabolites (such as acteoside, aucubin and catalpol obtainable in Plantago lanceolata animal feeds) and methods and uses thereof for reducing the proportion of total nitrogen excreted in the urine of an animal to the total nitrogen ingested by the animal; reducing the amount of nitrate derived from an animal leaching into ground or surface water; reducing nitrogenous or greenhouse gases derived from an animal; and reducing urinary nitrogen concentration in an animal. This invention has particular application to dairy cows although this should not be seen as limiting.

21: 2018/04350. 22: 2018/06/28. 43: 2023/09/27
51: A61K; C07H
71: ARCUS BIOSCIENCES, INC.
72: DEBIEN, Laurent Pierre Paul, JAEN, Juan Carlos, KALISIAK, Jaroslaw, LAWSON, Kenneth V., LELETI, Manmohan Reddy, LINDSEY, Erick Allen, MILES, Dillon Harding, NEWCOMB, Eric, POWERS, Jay Patrick, ROSEN, Brandon Reid, SHARIF, Ehesan Ul
33: US 31: 62/276,564 32: 2016-01-08
33: US 31: 62/324,077 32: 2016-04-18
54: MODULATORS OF 5'-NUCLEOTIDASE, ECTO AND THE USE THEREOF
00: -
Compounds that modulate the conversion of AMP to adenosine by 5'- nucleotidase, ecto, and compositions containing the compounds and methods for synthesizing the compounds, are described herein. The use of such compounds and compositions for the treatment and/or prevention of a diverse array of diseases, disorders and conditions, including cancer- and immune-related disorders, that are mediated by 5'-nucleotidase, ecto is also provided.



21: 2018/06273. 22: 2018/09/18. 43: 2023/09/28
51: A61K
71: PRECIGEN, INC.
72: DAILEY, VERNON, CHAKIATH, MARION, ZHANG, SHYUAN, MASLOWSKI, JOHN, MALYALA, ANNA
33: US 31: 62/310,623 32: 2016-03-18
54: COMPOSITIONS AND METHODS FOR TREATMENT OF TYPE VII COLLAGEN DEFICIENCIES
00: -
The present invention relates to self-inactivating lentiviral vectors comprising the COL7A1 gene or a functional variant thereof and its use in a method for the treatment of Type VII collagen deficiency, such as dominant dystrophic epidermolysis and recessive dystrophic epidermolysis.

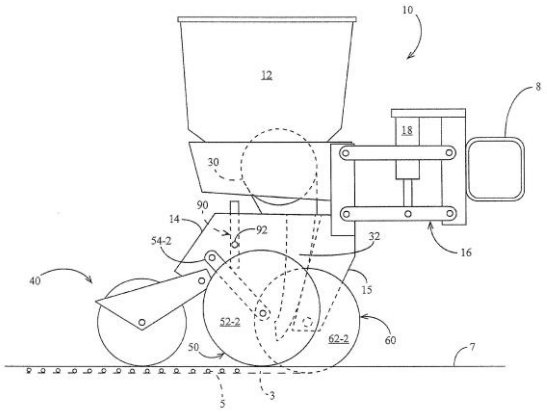


21: 2018/06292. 22: 2018/09/19. 43: 2023/11/09
51: A01B; A01C
71: PRECISION PLANTING LLC
72: SLONEKER, Dillon, SWANSON, Todd, KOCH, Dale
33: US 31: 62/297,535 32: 2016-02-19
33: US 31: 62/322,314 32: 2016-04-14
33: US 31: 62/366,405 32: 2016-07-25
33: US 31: 62/417,144 32: 2016-11-03

54: AGRICULTURAL TRENCH DEPTH SYSTEMS, METHODS, AND APPARATUS

00: -

Systems, methods and apparatus for adjusting the depth of a trench opened by a row unit of an agricultural planter. The row unit includes a trench depth adjustment assembly configured to modify the furrow depth. In one embodiment, the depth adjustment assembly may include a gear box having one or more gears which engage with a gear rack. The gear box may be pivotally connected to a depth adjustment body supporting a rocker that adjusts upward travel of gauge wheel arms. In another embodiment, the depth adjustment assembly may include a depth adjustment arm having a screw receiver that cooperates with a driven screw that adjusts the position of the depth adjustment arm acting on the gauge wheels to adjust trench depth.



21: 2018/07790. 22: 2018/11/19. 43: 2023/09/04
51: A61K; C07K
71: SNAKEPHARM ENTERPRISES, LLC
72: SCHULTZ, DONALD
33: US 31: 62/340,983 32: 2016-05-24

54: ANTIVENOM COMPOSITIONS AND USES THEREOF

00: -

Disclosed herein are compositions and methods for treating a victim of a venomous snakebite. Antivenom compositions are prepared from snake plasma or from snake eggs. The antivenom compositions are able to neutralize a snake venom from an autologous snake. The antivenom compositions can be administered to a snakebite victim to treat or prevent the pathological effects of a venomous snakebite.

21: 2019/03150. 22: 2019/05/20. 43: 2023/09/27
51: G01N; G02B
71: FIRST FRONTIER PTY LTD
72: GALLAGHER-GRUBER, Jordan, SZIJÁRTÓ, Gábor
33: AU 31: 2016904291 32: 2016-10-21

54: SYSTEM AND METHOD FOR PERFORMING AUTOMATED ANALYSIS OF AIR SAMPLES

00: -

A system and method for automated analysis of a membrane filter obtained from an air quality monitoring apparatus used for sampling airborne respirable fibres such as asbestos and synthetic mineral fibres is described. The system comprises capturing a macroscale image a membrane filter and analysing macroscale image using a computer vision method to determine a countable area of the membrane filter and one or more excluded regions within the countable area of the membrane filter. These excluded regions comprise membrane filter grid lines, air bubbles and large particulate matter. The slide is then placed on a robotic XY stage of a digital phase contrast microscope which is used to capture at least one magnified phase contrast image at each of 20 or more sample locations located across the filter member. The sample locations are selected such that a field of view at each sample location does not contain an excluded region. The magnified phase contrast images are analysed using a computer vision method to identify and count the number of fibres in the field of view, and the total number of fibres is then reported.

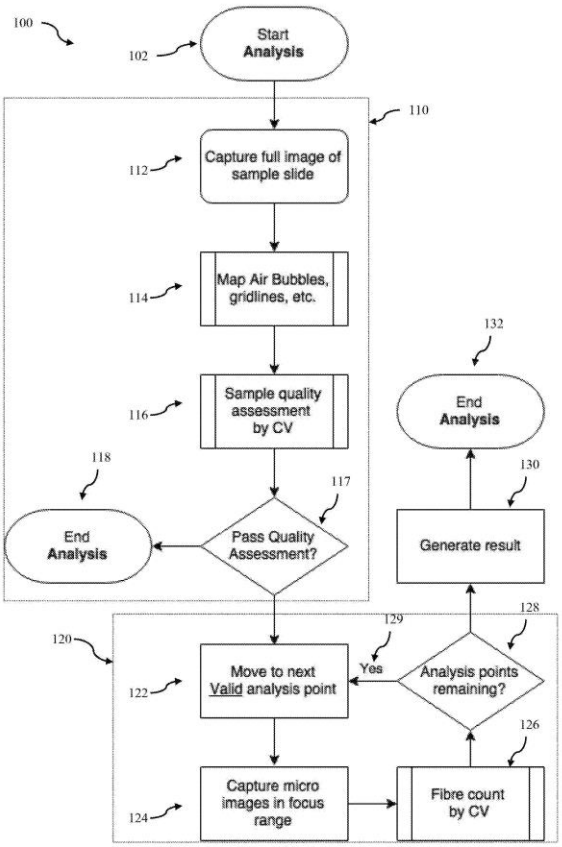
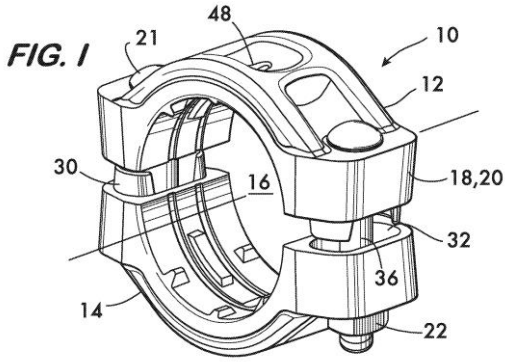
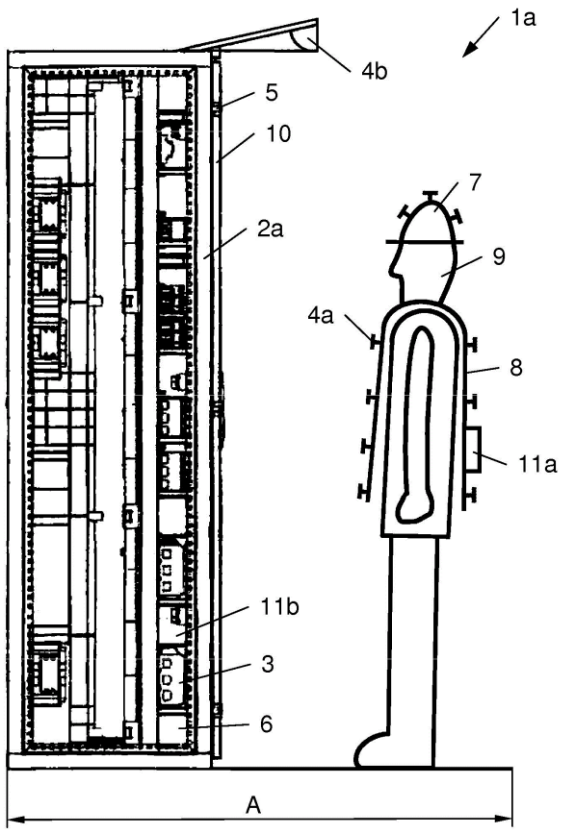


Figure 1

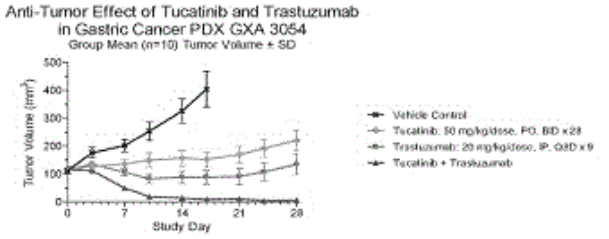
21: 2019/03624. 22: 2019/06/06. 43: 2023/10/19
51: F16L
71: VICTAULIC COMPANY
72: CIASULLI, Andrew M., MADARA, Scott D.
33: US 31: 62/453,548 32: 2017-02-02
33: US 31: 62/482,376 32: 2017-04-06
54: MECHANICAL COUPLING FOR MECHANICAL AND STRUCTURAL TUBING
00: -
A coupling used to connect structural tubing includes segments surrounding a central space which receives the tubing. Teeth on an inner surface of the segments project toward the central space and form zones of deformation in the tubing upon engagement with the tubes' outer surfaces. Ends of the tubing abut one or more tongues on the inner surface, and observation apertures in the segments permit visual confirmation that the tubing is seated. Relief pockets on the inner surfaces of the segments receive portions of the tubing which deform outwardly. An insert may be present in the central space. The insert defines a space between itself and the inner surfaces of the segments which receives the tubing. The insert has relief channels which receive deformed regions of the tubing corresponding to the zones of deformation.



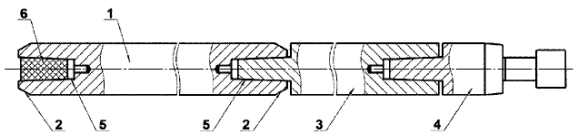
21: 2019/03668. 22: 2019/06/07. 43: 2023/09/12
51: F16P; H01H; H02H
71: Eaton Intelligent Power Limited
72: REUBERGER, Georg
33: DE 31: 10 2016 123 953.4 32: 2016-12-09
54: METHOD FOR SWITCHING OFF AN ARC IN AN ELECTRICAL INSTALLATION
00: -
The invention relates to an electrical installation (1a, 1b), comprising a switchgear cabinet (2, 2a, 2b) and a protective switch (3) arranged in the switchgear cabinet (2, 2a, 2b). The electrical installation (1a, 1b) also has an optical triggering device which is operatively connected to the protective switch and triggers or switches off the protective switch upon detection of an arc. In addition, a detection device for detecting an access or an access request to a secured area of the electrical installation as well as an electronic circuit connected to the detection device are provided. Said electronic circuit allows, and otherwise prevents, a triggering or switching-off of the protective switch by the at least one optical triggering device upon detection of an access or an access request. The invention further relates to an operating method for an electrical installation (1a, 1b) of the aforementioned type.



21: 2019/07225. 22: 2019/10/30. 43: 2023/09/07
51: A61K; A61P
71: SEAGEN INC.
72: PETERSON, SCOTT, WALKER, LUKE
33: US 31: 62/491,872 32: 2017-04-28
54: TREATMENT OF HER2 POSITIVE CANCERS
00: -
In one aspect, the present invention provides a method for treating or ameliorating the effects of a HER2 positive cancer in a subject. In some embodiments, the method comprises administering a combination therapy comprising an anti-HER2 antibody and tucatinib. In some embodiments, the method further comprises administering a chemotherapeutic agent (e.g., an antimetabolite) to the subject. Pharmaceutical compositions and kits are also provided herein.

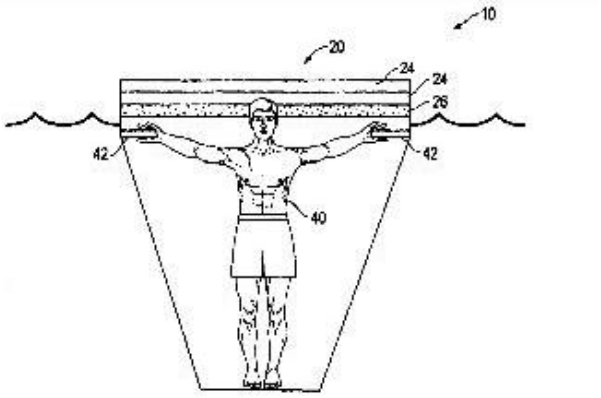


21: 2019/07301. 22: 2019/11/04. 43: 2023/10/19
51: B21B
71: PUBLICHNOE AKTSIONERNOE OBSHCHESTVO "TRUBNAYA METALLURGICHESKAYA KOMPANIYA" (PAO "TMK")
72: KLACHKOV Alexander Anatolyevich, PYSHMINTSEV Igor Yuryevich, VYDRIN Alexander Vladimirovich, STRUIN Dmitriy Olegovich, GOROZHANIN Pavel Yuryevich, TRUTNEV Nikolay Vladimirovich, TOPOROV Vladimir Alexandrovich, LUBE Ivan Igorevich, SHKURATOV Evgeniy Alexandrovich, CHERNYKH Ivan Nikolaevich, KUZNETSOV Alexander Nikolaevich, LOKHANOV Dmitriy Valerievich, MAMCHENKO Vladislav Anatolyevich, PYATKOV Vladimir Leonidovich, PYANKOV Boris Grigoryevich, ERSHOV Igor Anatolyevich
54: CONTINUOUS TUBE ROLLING METHOD AND MANDREL ASSEMBLY FOR THE IMPLEMENTATION THEREOF
00: -
A method for rolling tubes on a continuous tube rolling mill involves deforming a tube billet using a mandrel assembly. The mandrel assembly comprises a cylindrical mandrel configured such that its ends can be alternately coupled to an attachment of the mandrel assembly. The mandrel is configured such that its ends have portions with a beveled lateral surface, wherein the angle of the generatrix of said surface to the longitudinal axis of the mandrel is between 10 and 70 degrees. The deformation of tube billets is carried out until the amount of wear on the working regions at both ends of the mandrel is not less than 25% of a critical value, then the mandrel is sharpened. The invention increases the service life of a mandrel, reduces the formation of flaws on the inside surface of the tubes, and prevents accidents from occurring during the rolling process.

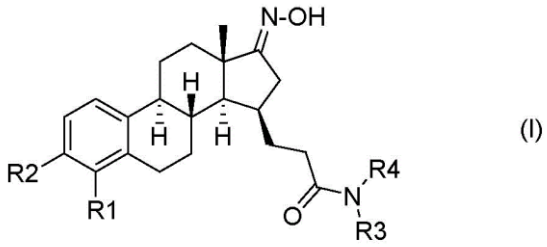


21: 2019/07754. 22: 2019/11/22. 43: 2023/09/08
51: C07K; A61K
71: MERUS N.V.
72: MAUSSANG-DETAILLE, DAVID ANDRE BAPTISTE, GEUIJEN, CECILIA ANNA WILHELMINA
33: US 31: 62/507,675 32: 2017-05-17
54: COMBINATION OF AN ERBB-2/ERBB-3 BISPECIFIC ANTIBODY WITH ENDOCRINE THERAPY FOR BREAST CANCER
00: -
The invention relates to methods of treating of subject that has breast cancer or is at risk of having said cancer, comprising administering to the subject in need thereof a combination of a therapeutically effective amount of an ErbB-2/ErbB-3 bispecific antibody and a therapeutically effective amount of an endocrine therapy drug, wherein the bispecific antibody has an antigen binding site that can bind an extra-cellular part of ErbB-2 and an antigen binding site that can bind an extra-cellular part of ErbB-3; and to means for said method.

21: 2019/07756. 22: 2019/11/22. 43: 2021/03/15
51: B63C
71: RITTER, Erich
72: RITTER, Erich
33: US 31: PCT/IB2017/000477 32: 2017-04-25
54: SHARK ADVOIDANCE SYSTEM AND METHOD
00: -
An open ended enclosure with a top, sides, and a bottom, where the sides and the bottom form an interior enclosed space. A buoyant device and an inflatable device are provided, where the buoyant device and the inflatable device are connected to form a combination and where the combination is connected with the top of the open ended enclosure. The sides connect the top and the bottom and the sides form a flexible wall and where the flexible wall consists of a combination of at least three layers, a first, outer, layer, a second, middle, layer and a third, inner, layer. The third layer is connected to the second layer and the second layer is connected to the first layer, and, further, the first layer is a water impervious layer, the second layer is a bioelectrical blocking layer and the third layer is a sound emission blocking layer.

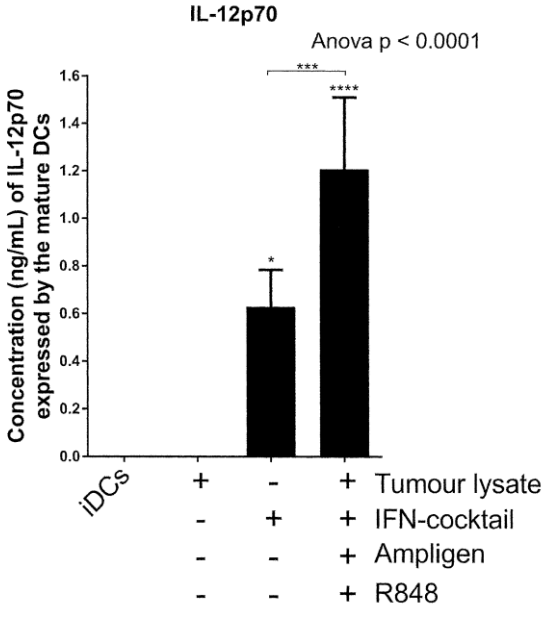


21: 2019/08404. 22: 2019/12/17. 43: 2023/09/07
51: A61K; A61P; C07J
71: Forendo Pharma Ltd
72: HIRVELÄ, Leena, HAKOLA, Marjo, LINNANEN, Tero, KOSKIMIES, Pasi, STJERNSCHANTZ, Camilla
33: FI 31: 20175530 32: 2017-06-08
54: 15.BETA.-[3-PROPANAMIDO]-SUBSTITUTED ESTRA-1,3,5(10)-TRIEN-17-ONE COMPOUNDS AND THEIR 17-OXIMES FOR USE IN INHIBITION OF 17.BETA.-HYDROXYSTEROID DEHYDROGENASES
00: -
The invention relates to compounds of formula (I) and pharmaceutically acceptable salts thereof wherein Rl to R4 are as defined in the claims. The invention further relates to their use as inhibitors of 17P-HSD1 and in treatment or prevention of steroid hormone dependent diseases or disorders, such as steroid hormone dependent diseases or disorders requiring the inhibition of the 17P-HSD1 enzyme and/or requiring the lowering of the endogenous estradiol concentration. The present invention also relates to the compounds of formula (II) which defines the 17-ketone compounds corresponding to the 17- oximes of formula (I). The present invention further relates to the preparation of the aforementioned compounds and to pharmaceutical compositions comprising as an active ingredient(s) one or more of the aforementioned compounds or pharmaceutically acceptable salts thereof.



(I)

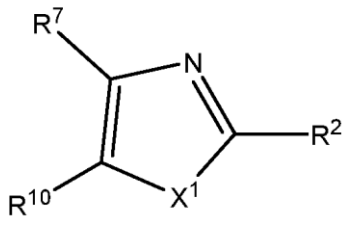
21: 2020/00732. 22: 2020/02/04. 43: 2023/10/02
51: A61K; C12N
71: BIOCLONES PROPRIETARY LIMITED
72: DHEDA, Keertan Unkha Jairam, TOMASICCHIO, Michele
33: GB 31: 1711379.6 32: 2017-07-14
54: MATURATION OF DENDRITIC CELLS
00: -
The present invention relates to in vitro methods of producing mature dendritic cells, a dendritic yell maturation cocktail, a method of producing mature antigen presenting dendritic cells in vitro, methods of manufacturing vaccines containing mature dendritic cells, antigen-presenting mature dendritic cells produced according to the methods described, vaccines containing the mature antigen-presenting dendritic cells and methods of treatment and used of mature antigen-presenting cells of the invention.



21: 2020/01661. 22: 2020/03/17. 43: 2023/10/19
51: A61K; C07D; A61P
71: Pfizer Inc.
72: BOWLES, Paul, ROSE, Peter Robert
33: US 31: 62/570,326 32: 2017-10-10
33: US 31: 62/727,734 32: 2018-09-06
54: CRYSTALLINE FORM OF LORLATINIB FREE BASE HYDRATE
00: -
This invention relates to a crystalline form of (10R)-7-amino-12-fluoro-2,10,16-trimethyl- 15-oxo-10,15,16,17-tetrahydro-2H-8,4-(metheno)pyrazolo[4,3-h][2,5,11]benzoxadiazacyclo-tetradecine-3-carbonitrile (lorlatinib) free base hydrate (Form 24). This invention also relates to pharmaceutical compositions comprising Form 24, and to methods of using Form 24 and such compositions in the treatment of abnormal cell growth, such as cancer, in a mammal.

21: 2020/01756. 22: 2020/03/19. 43: 2023/09/06
51: A61K; A61Q
71: Colgate-Palmolive Company
72: XU, Shao Peng, YAN, Peng, YANG, Ying
54: ORAL CARE COMPOSITIONS
00: -
Oral care compositions including a hemostatic agent, wherein the hemostatic agent includes a mixture of oleanic acid and eugenol. Methods of making and using these compositions are also described.

21: 2020/02093. 22: 2020/05/04. 43: 2023/11/06
51: A61K; C07D; A61P
71: DISCUVA LTD.
72: MEO, Paul, CHARRIER, Cedric, KHAN, MOHAMMED NAWAZ
33: GB 31: 1718285.8 32: 2017-11-03
54: ANTIBACTERIAL COMPOUNDS
00: -
The present invention relates to compounds of general formula (II), to compositions comprising these compounds and to methods of treating Enterobacteriaceae bacterial diseases and infections using the compounds. The compounds find application in the treatment of infection with, and diseases caused by, Enterobacteriaceae.



(Formula II)

21: 2020/02197. 22: 2020/05/04. 43: 2023/09/07
51: H04W
71: QUALCOMM Incorporated
72: GHEORGHIU, Valentin Alexandru, KITAZOE, Masato, GAAL, Peter
33: US 31: 62/576,461 32: 2017-10-24
54: CHANNEL AND SYNCHRONIZATION RASTER
00: -
Aspects of the present disclosure include methods, apparatuses, and computer readable media for inserting an offset between a channel resource element of a channel resource block and a synchronization resource element of a synchronization signal block, transmitting a bandwidth value of the offset to a user equipment.

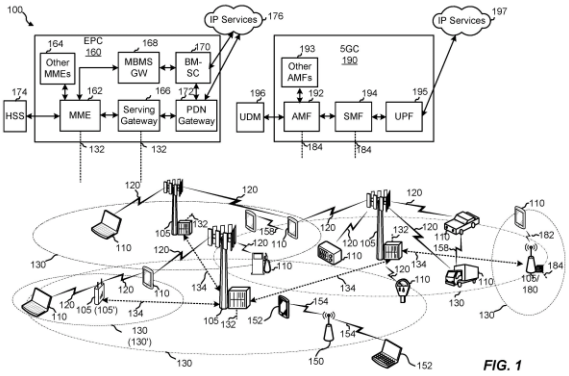
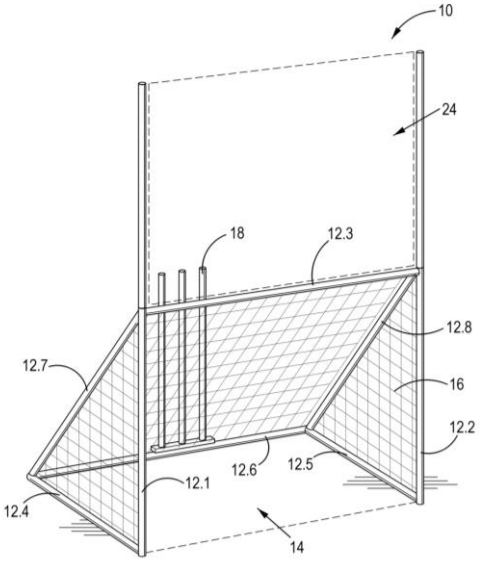
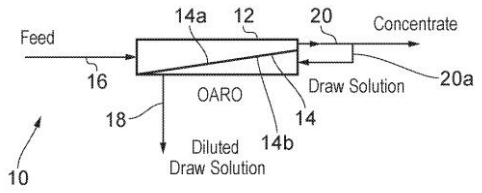


FIG. 1

21: 2020/03197. 22: 2020/05/29. 43: 2023/10/27
51: A63B
71: BRITS, CORNELIS JOHANNES
72: BEYNEVELDT, Michael Johannes Diez, BRITS, Cornelis Johannes
54: SPORTING EQUIPMENT
00: -
The invention provides a multi-sport training apparatus and a multi-sport kit for assembling same. The multi-sport training apparatus includes a frame which defines a first goal zone, a net attachable to the frame to form a sports goal operable to stop a ball moved into the first goal zone, and a cricket wicket attachable to the frame such that the net is adjacent to the cricket wicket to also stop a ball thrown in the direction of the cricket wicket. The multi-sport kit includes a plurality of bars for constructing a frame, a net attachable to the frame, and a cricket wicket attachable to the frame.

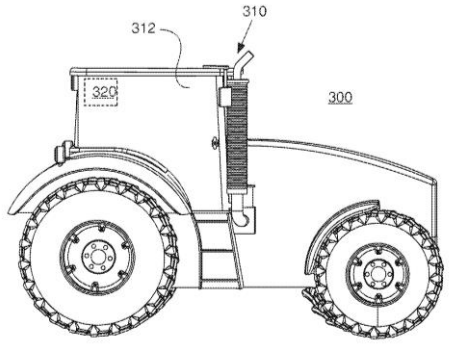


21: 2020/03213. 22: 2020/05/28. 43: 2023/11/06
51: B01D
71: SURREY AQUATECHNOLOGY LIMITED
72: STALLINGER, Anton, MOORE, Brian James, CHIU, TzeYen, BEDFORD, Michael Robert, NICOLL, Peter George
33: GB 31: 1719153.7 32: 2017-11-20
54: SOLVENT SEPARATION
00: -
A process for separating solvent from a feed solution, said process comprising contacting the feed solution with one side of a first semi-permeable membrane; applying hydraulic pressure to the feed solution, such that solvent from the feed solution flows through the first semi-permeable membrane by reverse osmosis to provide a permeate solution on the permeate-side of the first semi-permeable membrane and a residual solution on the feed-side of the first semi-permeable membrane; and feeding a portion of the feed solution or a portion of the residual solution to the permeate- side of the first semi-permeable membrane.



Basic OARO System with Concentrate as Draw Solution

21: 2020/03405. 22: 2020/06/08. 43: 2023/10/19
51: A01B; H01Q
71: PRECISION PLANTING LLC
72: ALLGAIER, Ryan
33: US 31: 62/651,449 32: 2018-04-02
54: AGRICULTURAL MACHINES COMPRISING COMMUNICATION SYSTEMS POSITIONED ADJACENT A CAB
00: -
Communication systems positioned within a cab for agricultural operations include at least one antenna element and a communication module having a cellular modem. A machine (e.g., tractor, combine, etc.) for agricultural operations includes a cab for an operator of the machine and a communication system adjacent a window or roof of the cab.

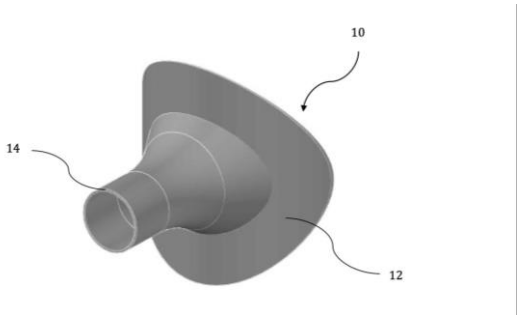


21: 2020/03856. 22: 2020/06/25. 43: 2023/10/25
51: C07C; C07D; A61P
71: TMEM16A LIMITED
72: COLLINGWOOD, Stephen, MCCARTHY, Clive, HARGRAVE, Jonathan, David, HAY, Duncan, Alexander, SCHOFIELD, Thomas, Beauregard, ELLAM, Sarah, BUXTON, Craig, HABGOOD, Matthew, INGRAM, Peter, MA, Chun Yan, NAPIER, Spencer, SHAIKH, Abdul, SMITH, Matthew, STIMSON, Christopher, WALKER, Edward
33: GB 31: 1801355.7 32: 2018-01-26
54: COMPOUNDS
00: -
Compounds of general formula (I): wherein R1, R2, R3, R4, R5a, R5b X1, X2, Z and Y are as defined herein are positive modulators of the calcium-activated chloride channel (CaCC), TMEM16A. The compounds are useful for treating diseases and conditions affected by modulation of TMEM16A, particularly respiratory diseases and conditions.

21: 2020/04002. 22: 2020/06/23. 43: 2023/10/16
51: A61L
71: UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG
72: KUMAR, Pradeep, PILLAY, Viness, CHOONARA, Yahya Essop, MODI, Girish
33: ZA 31: 2017/08733 32: 2017-12-21
54: PHARMACEUTICAL COMPOSITION
00: -
This disclosure relates to a polyacrylonitrile (PANi) based pharmaceutical composition providing a porous implant for use in treating spinal cord trauma and/or spinal cord injury. This disclosure particularly relates to a pharmaceutical composition comprising polyacrylonitrile (PANi) and/or elastin (E) and/or collagen (C) to form a PANi-E and/or PANi-C and/or a PANi-E-C polymer network. Particularly, this disclosure relates to a pharmaceutical composition comprising polyacrylonitrile (PANi), elastin (E), and collagen (C) together forming a polyacrylonitrile (PANi), elastin (E), collagen (C) polymer network (PANi-E-C), wherein the polyacrylonitrile (PANi) may be crosslinked to form a crosslinked interpenetrating polyacrylonitrile (PANi), elastin (E) and collagen (C) polymer network (xpi-PANi-E-C), and wherein secondary protein structures of elastin (E) and collagen (C) reorientate. The disclosure extends to use of the pharmaceutical composition in the treatment of spinal cord trauma and/or spinal cord injury.

21: 2020/05165. 22: 2020/08/19. 43: 2023/07/21
51: E03F
71: WILLEM NEL VAN STRAATEN
72: WILLEM NEL VAN STRAATEN
33: ZA 31: 2017/07031 32: 2017-10-18
54: OVERFLOW PIPE SYSTEM
00: -
The invention provides for a secondary overflow pipe and connector connectable to a sewer system, the secondary overflow pipe increasing overall capacity

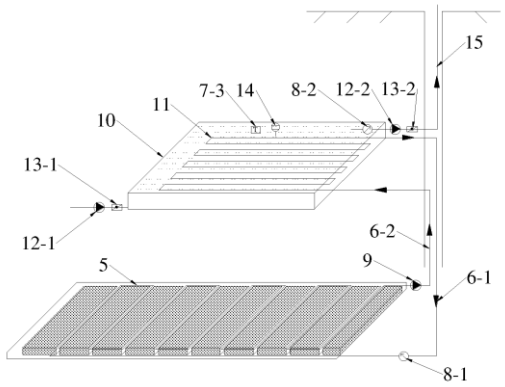
of the sewer system during peak flows, the connector connectable to a manhole and shaped to define a funnel to reduce turbulence and facilitate a smooth flow pattern and maximum flow capacity.



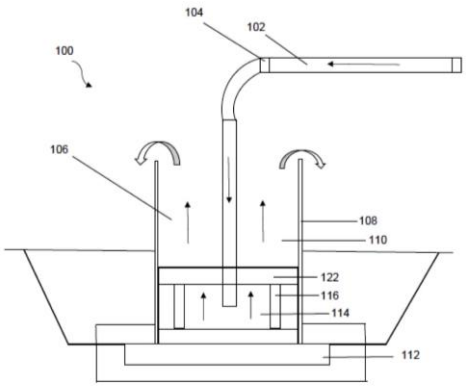
21: 2020/05273. 22: 2020/08/25. 43: 2023/11/10
51: A61K; C07K; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: MURPHY, Andrew, J., ORENGO, Jamie
33: US 31: 61/642,083 32: 2012-05-03
33: US 31: 61/718,044 32: 2012-10-24
33: US 31: 61/783,312 32: 2013-03-14
54: HUMAN ANTIBODIES TO FEL D1 AND METHODS OF USE THEREOF
00: -
The present invention provides antibodies that bind to the cat allergen, Fel d1, compositions comprising the antibodies, nucleic acids encoding the antibodies and methods of use of the antibodies. According to certain embodiments of the invention, the antibodies are fully human monoclonal antibodies that bind to Fel d1. The antibodies of the invention are useful for binding to the Fel d1 allergen in vivo, thus preventing binding of the Fel d1 allergen to pre-formed IgE on the surface of mast cells or basophils. In doing so, the antibodies act to prevent the release of histamine and other inflammatory mediators from mast cells and/or basophils, thus ameliorating the untoward response to the cat allergen in sensitized individuals. The antibodies of the invention may also be useful for diagnostic purposes to determine if a patient is allergic to the Fel d1 cat allergen.

21: 2020/05773. 22: 2020/09/17. 43: 2023/10/24
51: C08J; C08L
71: BOREALIS AG, ABU DHABI POLYMERS CO. LTD (BOROUGE) L.L.C.
72: KAHLEN, Susanne, GRESTENBERGER, Georg, MILEVA, Daniela, FUCHS, Andreas, ENGLEDER, Stefanie, HUBER, Jürgen, ZHU, Shengquan
33: CN 31: 201810468419.8 32: 2018-05-16
54: FOAMED POLYPROPYLENE COMPOSITION
00: -
The present invention is directed to a polypropylene composition (C) a melt flow rate MFR2 (230°C) determined according to ISO 1133 in the range of 15to 40g/10min, the use of said polypropylene composition (C) for the production of a foamed article and a foamed article comprising said polypropylene composition (C).

21: 2020/05965. 22: 2020/09/28. 43: 2023/11/06
51: E21F
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY
72: ZHANG QIANG, LI MENG, ZHANG JIXIONG, HUANG PENG, ZHANG WEIQING, MENG GUOHAO
33: CN 31: 201811195212.4 32: 2018-10-15
54: MULTILEVEL DEEP WELL COOLING AND GEOTHERMAL UTILIZATION SYSTEM AND PROCESS
00: -
A multilevel deep well cooling and geothermal utilization system and process. The system comprises a deep well heat harnessing system (1), a shallow part heat-exchanging system (2), and a high-temperature water lifting system (3). The deep well heat harnessing system (1) comprises a heat absorbing pipe (5), a thermally-conductive fluid lifting pipe (6-2), a thermally-conductive fluid lowering pipe (6-1), temperature sensors (7-1 and 7-2), and a water pump (9). The shallow part heat-exchanging system comprises a heat-dissipating pipe (11), a heat-storing water pool (10), a water intake pump (12-1), a water intake valve (13-1), a temperature sensor (7-3) and a liquid level meter (14). The high-temperature water lifting system comprises a water discharging pump (12-2), a flowmeter (8-2), a water discharging valve (13-2), and a high-temperature water lifting pipe (15). The system is structurally simple, can be used for an extended time, utilizes multiple levels of mine shafts for continuous cooling, provides significant effects, a broad cooling range, a high geothermal utilization rate, and a low unit energy consumption, effectively solves the problem of overheating of a deep well coal-mining face, and provides a comfortable working environment for underground workers.

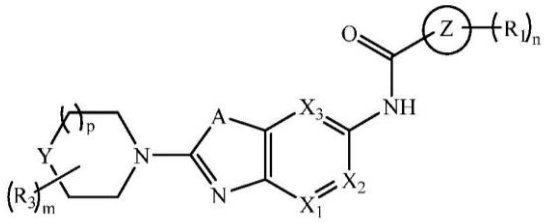


21: 2020/06668. 22: 2020/10/27. 43: 2021/07/08
51: E21F
71: RENVELO ENGINEERING (PTY) LTD
72: MARTHINUS ROEDOLPH PAINTER, GERHARDUS DANIEL PAINTER
33: ZA 31: 2019/04949 32: 2019-07-29
54: A SYSTEM FOR, AND A METHOD OF TREATING ACID MINE DRAINAGE
00: -
This invention relates to a system for, and a method of treating acid mine drainage which system includes a pipeline in flow communication with a concrete housing unit comprising a clarifier and an overflow weir, the clarifier including a pressurised chamber and a column in the form of a reactor, the column containing limestone (calcium carbonate) particles and is capable to receive acid mine drainage.



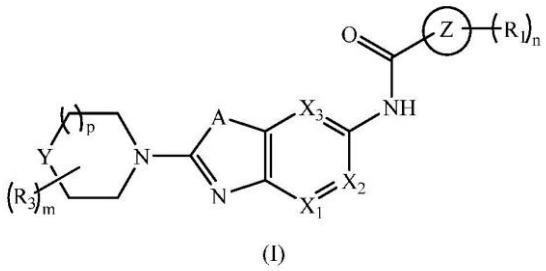
21: 2020/07007. 22: 2020/11/10. 43: 2023/09/27
51: A61K; C07D; A61P
71: Gilead Sciences, Inc.
72: CHU, Hang, GUERRERO, Juan A., HURTLEY, Anna E., HWANG, Tae H., JIANG, Lan, KATO, Darryl, KOBAYASHI, Tetsuya, KNOX, John E., LAZERWITH, Scott E., LI, Xiaofen, LIN, David W., MEDLEY, Jonathan W., MITCHELL, Michael L., NADUTHAMBI, Devan, NEWBY, Zachary, SQUIRES, Neil H., TSUI, Vickie H., VENKATARAMANI, Chandrasekar, WATKINS, William J., YANG, Hong
33: US 31: 62/671,306 32: 2018-05-14
33: US 31: 62/749,918 32: 2018-10-24
54: MCL-1 INHIBITORS
00: -
The present disclosure generally relates to compounds and pharmaceutical compositions that may be used in methods of treating cancer.

21: 2020/07273. 22: 2020/11/23. 43: 2023/08/30
51: A61K; C07D
71: Aurigene Oncology Limited
72: GUMMADI, Venkateshwar Rao, SAMAJDAR, Susanta
33: IN 31: 158/CHE/2014 32: 2014-01-13
54: BICYCLIC HETEROCYCLYL DERIVATIVES AS IRAK4 INHIBITORS
00: -
The present invention provides bicyclic heterocyclyl kinase enzyme inhibitor compounds of formula (I), which are therapeutically useful as kinase inhibitors, particularly IRAK4 inhibitors. wherein A, Y, Z, X_1, X_2, X_3, R_1, R_3, 'm', 'n' and 'p' have the meanings given in the specification and pharmaceutically acceptable salt or stereoisomer thereof that are useful in the treatment and prevention of diseases or disorder, in particular their use in diseases or disorder mediated by kinase enzyme, particularly IRAK4 enzyme. The present invention also provides pharmaceutical composition comprising at least one of the compounds of compound of formula (I) together with a pharmaceutically acceptable carrier, diluent or excipient therefor.



(I)

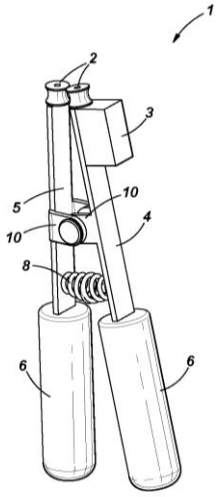
21: 2020/07274. 22: 2020/11/23. 43: 2023/08/30
51: A61K; C07D
71: Aurigene Oncology Limited
72: GUMMADI, Venkateshwar Rao, SAMAJDAR, Susanta
33: IN 31: 158/CHE/2014 32: 2014-01-13
54: BICYCLIC HETEROCYCLYL DERIVATIVES AS IRAK4 INHIBITORS
00: -
The present invention provides bicyclic heterocyclyl kinase enzyme inhibitor compounds of formula (I), which are therapeutically useful as kinase inhibitors, particularly IRAK4 inhibitors. wherein A, Y, Z, X_1, X_2, X_3, R_1, R_3, 'm', 'n' and 'p' have the meanings given in the specification and pharmaceutically acceptable salt or stereoisomer thereof that are useful in the treatment and prevention of diseases or disorder, in particular their use in diseases or disorder mediated by kinase enzyme, particularly IRAK4 enzyme. The present invention also provides pharmaceutical composition comprising at least one of the compounds of compound of formula (I) together with a pharmaceutically acceptable carrier, diluent or excipient therefor.



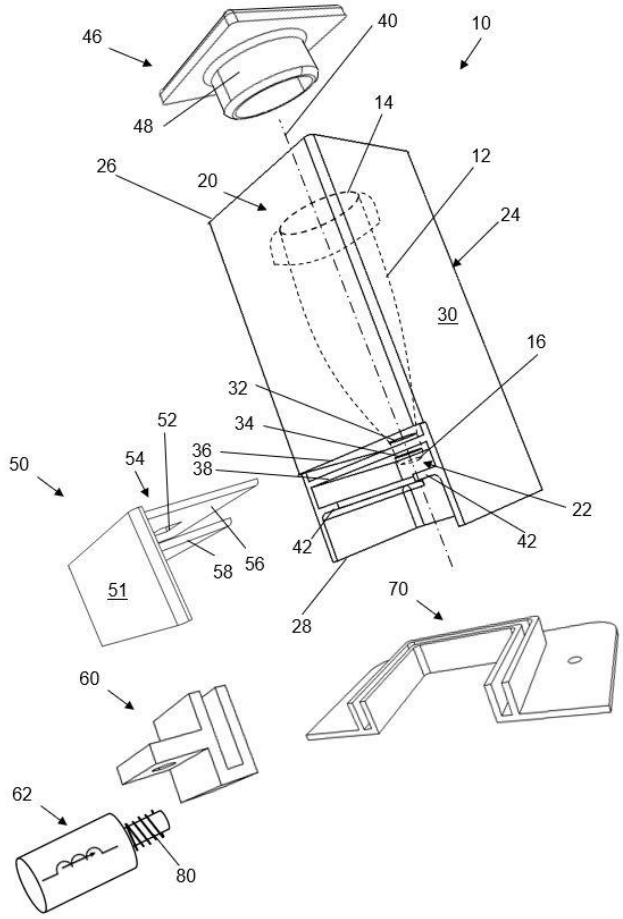
(I)

21: 2020/07304. 22: 2020/11/24. 43: 2023/10/11
51: A61K; C07D; A61P
71: Pfizer Inc.
72: FLANAGAN, Mark, Edward, HUARD, Kim, ASPNES, Gary Erik, BAGLEY, Scott W, CONN, Edward L, CURTO, John M, EDMONDS, David James, GRIFFITH, David A, LIMBERAKIS, Chris, MATHIOWETZ, Alan M, PIOTROWSKI, David W, RUGGERI, Roger B., FUTATSUGI, Kentaro
33: US 31: 62/685,656 32: 2018-06-15
54: GLP-1 RECEPTOR AGONISTS AND USES THEREOF
00: -
Provided herein are 6-carboxylic acids of benzimidazoles and 4-aza-, 5-aza-, and 7-aza-benzimidazoles as GLP-1R agonists, processes to make said compounds, and methods comprising administering said compounds to a mammal in need thereof.

21: 2020/07698. 22: 2020/12/09. 43: 2023/11/08
51: G01B
71: MOTLADI MOLEFE LINDA LENYAI
72: MOTLADI MOLEFE LINDA LENYAI
33: ZA 31: 2019/05939 32: 2019-09-09
54: WIRE MEASURING DEVICE AND WIRE MEASURING METHOD
00: -
This invention relates to a wire measuring device for measuring a length of a wire. The wire measuring device having a first wheel and a second wheel with a wire receiving passage formed between the first wheel and the second wheel and a displacement means for displacing the wheels between a first position in which the wheels are spaced away from each other to receive a wire in the passage between the first wheel and the second wheel and a second position in which the wheels are spaced towards each other to so that parts of the first wheel and second wheel make contact with part of a wire between the first wheel and the second wheel.

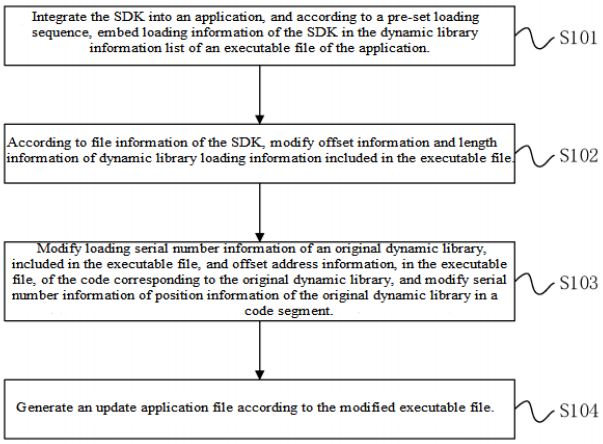


21: 2020/07775. 22: 2020/12/14. 43: 2023/10/10
51: A23F; A23P; F21W; H04W
71: STELLENBOSCH UNIVERSITY
72: KASPER, Kimberly Ann
54: DISPENSER, DISPENSING SYSTEM, AND DISPENSING METHOD
00: -
There is provided a dispenser (10), a dispensing system (100) and a dispensing method (3000). A plurality of dispensers (10.1 to 10.4) may be implemented. The dispenser (10) includes a flexible container (12) having a top and a bottom and capable of holding a product (18) therein, the flexible container including top and bottom openings. A rigid support structure (24) that supports the flexible container (12) is provided. A moveable dispensing arm (50) that operatively facilitates product dispensing is also provided. The moveable dispensing arm (50) is operable between a dispensing condition and a retaining condition, and it includes a pinching edge which is configured to pinch the flexible container shut in either the dispensing condition or the retaining condition of the dispensing arm.



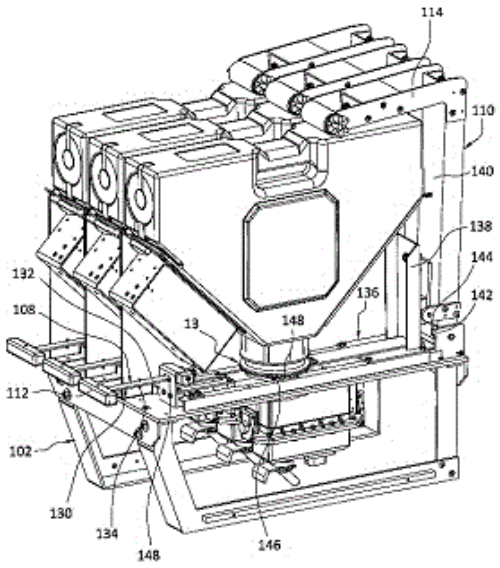
21: 2021/00485. 22: 2021/01/22. 43: 2023/09/06
51: C07D; A61K; A61P
71: HANMI PHARM. CO., LTD.
72: BAE, IN HWAN, KIM, JI SOOK, CHOI, JAE YUL, KANG, SEOK JONG, AHN, YOUNG GIL, SUH, KWEE HYUN
33: KR 31: 10-2018-0086768 32: 2018-07-25
54: PYRIMIDINE COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS FOR PREVENTING OR TREATING CANCERS INCLUDING THE SAME
00: -
Provided are a pyrimidine compound represented by Formula 1, a method of preparing the compound, and a pharmaceutical use of the compound for the prevention or treatment of cancer.

21: 2021/00858. 22: 2021/02/08. 43: 2021/03/01
51: G06F
71: JIANGSU PAYEGIS INFORMATION SECURITY TECHNOLOGY CO., LTD.
72: WANG, Dejia, SHAO, Genbo, QIAN, Xiaoling, MENG, Xiaolong
33: CN 31: 201910173264.X 32: 2019-03-07
54: A METHOD AND APPARATUS FOR EMBEDDING CODES IN AN APPLICATION, AND AN ELECTRONIC DEVICE
00: -
Disclosed are a method and apparatus for embedding codes in an application, and an electronic device. The method comprises: integrating an SDK into an application, and according to a pre-set loading sequence, embedding loading information of the SDK in a dynamic library information list of an executable file of the application; according to file information of the SDK, modifying offset information and length information of dynamic library loading information included in the executable file; modifying loading serial number information, of an original dynamic library, included in the executable file, and offset address information, in the executable file, of a code corresponding to the original dynamic library, and modifying serial number information of position information, of the original dynamic library, in a code segment; and generating an updated application file according to the modified executable file. The method can embed, without a source code, the SDK for any application according to a specified loading sequence, such that when the application to which the SDK is added runs, SDK codes can be dynamically called according to the specified loading sequence, and the compatibility thereof is higher.



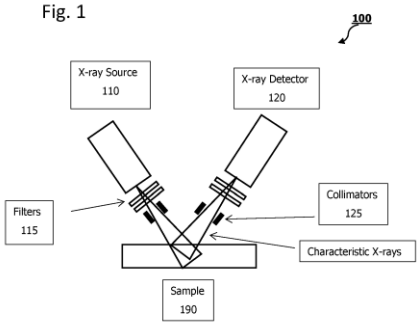
21: 2021/01257. 22: 2021/02/24. 43: 2023/09/08
51: A01C
71: AMVAC HONG KONG LIMITED
72: WOODRUFF, KEITH, KALTNER, BRIAN, RICE, RICHARD L

33: US 31: 62/724,001 32: 2018-08-28
54: CONTAINER SYSTEM FOR TRANSPORTING AND DISPENSING AGRICULTURAL PRODUCTS
00: -
A container system for transporting and dispensing agricultural products. The container system includes a housing assembly and a set of agricultural product containers. The housing assembly has multiple slot assemblies for containers. The agricultural product containers are configured to be releasably contained within the slot assemblies. The set of agricultural product containers may include liquid agricultural product containers and dry agricultural product containers. The slot assemblies and agricultural product containers are cooperatively configured to provide the ability to utilize either of the agricultural product containers within the slot assemblies.

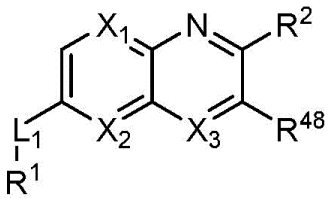


21: 2021/01521. 22: 2021/03/05. 43: 2023/11/06
51: G01N
71: MICROTRACE PTY LIMITED
72: ROACH, Gregory John
33: AU 31: 2018903029 32: 2018-08-17
54: APPARATUS FOR THE MEASUREMENT OF MINERAL SLURRIES
00: -
Disclosed is a measurement probe for measurement of elements in a mineral slurry. The probe includes a housing having an X-ray window. The housing encloses: an X-ray source positioned to emit source X-rays at the X-ray window; an X-ray detector positioned to detect X-rays from the X-ray window; and a control module. The control module is configured to: control operation of the X-ray source and the X-ray detector; process X-rays detected by the X-ray detector to generate X-ray spectra data; and process the X-ray spectra data to determine the quantity of one or more elements of interest in the mineral slurry. The measurement probe includes a probe mount adapted to couple the measurement probe to a pipe mount on a pipe carrying the mineral slurry; when the probe mount is coupled to the pipe mount, the X-ray window provides a transmission window for X-rays into a lumen of the pipe.

Fig. 1



21: 2021/01960. 22: 2021/03/24. 43: 2023/10/27
51: A61K; C07D; A61P
71: ARRAY BIOPHARMA INC.
72: HINKLIN, Ronald, Jay, COOK, Adam, MCNULTY, Oren, T., BLAKE, James, F., BOYS, Mark, Laurence, CHICARELLI, Mark, Joseph, ELSAYED, Mohamed S. A., FELL, Jay, B., FISCHER, John, P., MEJIA, Macedonio, J., RODRIGUEZ, Martha, E., WONG, Christina, E.
33: US 31: 62/746,952 32: 2018-10-17
33: US 31: 62/916,119 32: 2019-10-16
54: PROTEIN TYROSINE PHOSPHATASE INHIBITORS
00: -
Compounds of Formula I or a stereoisomer, tautomer, prodrug or pharmaceutically acceptable salt thereof are provided, which are useful for the treatment of hyperproliferative diseases. Methods of using compounds of Formula I or a stereoisomer, tautomer, prodrug or pharmaceutically acceptable salt thereof, for in vitro, in situ, and in vivo diagnosis, prevention or treatment of such disorders in mammalian cells, or associated pathological conditions are disclosed

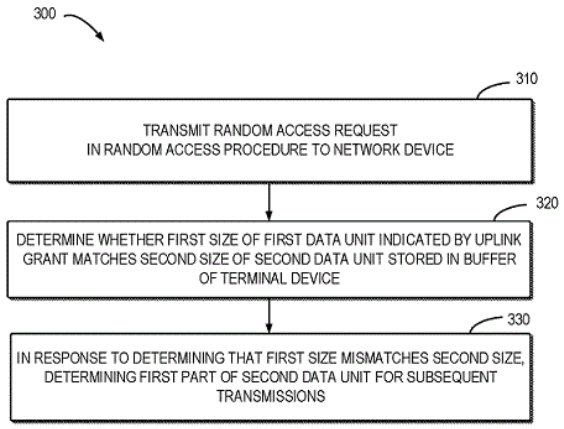


(Ia)

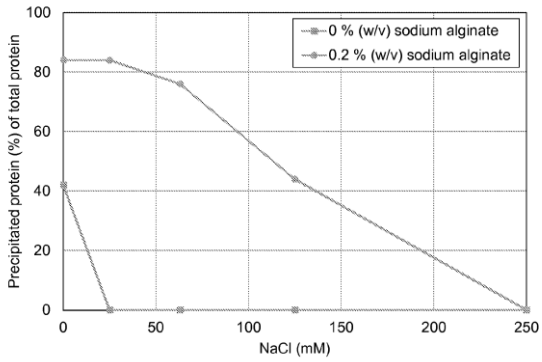
21: 2021/02114. 22: 2021/03/29. 43: 2023/09/07
51: A61K; A61P
71: CinDome Pharma, Inc.
72: PATEL, Piyush, PEARCE, Catherine, ISAACSOHN, Jonathan
33: US 31: 62/750,480 32: 2018-10-25
54: FORMULATIONS CONTAINING DOMPERIDONE
00: -
The disclosure provides pharmaceutical formulations comprising domperidone or a pharmaceutically acceptable salt thereof. The formulations also contain (i) a glyceryl stearate, and a medium chain triglyceride; or (ii) a stearoyl polyoxyl glyceride, a nonionic poly(ethylene oxide) polymer, and a medium chain triglyceride; or (iii) a nonionic poly(ethylene oxide) polymer, and a polyethylene glycol. The disclosure also provides methods for treating a disorder that is gastroparesis, nausea apart from gastroparesis, vomiting apart from gastroparesis, nausea associated with gastroparesis, vomiting associated with gastroparesis, gastroesophageal reflux disease, insufficient lactation, or a combination thereof in a patient, comprising administering to the patient a formulation described herein. In some aspects, the disorder is gastroparesis. In other aspects, the disorder is gastroesophageal reflux disease. In further aspects, the disorder is insufficient lactation.

21: 2021/02427. 22: 2021/04/13. 43: 2023/11/13
51: H02H
71: UNIVERSITY OF PRETORIA
72: BANSAL, Ramesh Chand, MANDITEREZA, Patrick Tendayi
33: ZA 31: 2018/07844 32: 2018-11-21
54: AN ELECTRICAL PROTECTION SYSTEM AND A METHOD THEREOF
00: -
THIS INVENTION relates electrical protection system arranged to detect and isolate faults either in a electrical power distribution. The system comprises at least a first busbar and a second busbar in electrical communication with each other through s powerline having a first end electrically coupled to the first busbar by a first circuit breaker. It is connected to the at least two busbars, and configured to simultaneously collect/determined electrical quantity to a second. When the first electrical quantity value less than the second quantity value, the electrical connection between first and second busbars. The system 100 detects and isolates fault efficiently while using voltage measurements.

21: 2021/02451. 22: 2021/04/14. 43: 2023/09/08
51: H04W
71: NOKIA TECHNOLOGIES OY
72: TURTINEN, Samuli, WU, Chunli, SEBIRE, Benoist
54: RANDOM ACCESS PROCEDURE
00: -
Embodiments of the present disclosure relate to methods, devices and computer readable mediums for random access procedure. The method comprises transmitting, at a terminal device, a random access request in a random access procedure to a network device; in response to receiving, in the random access procedure, from the network device an uplink grant for the terminal device, determining whether a first size of a first data unit indicated by the uplink grant matches a second size of a second data unit stored in a buffer of the terminal device; in response to determining that the first size mismatches the second size, determining a first part of the second data unit for subsequent transmissions.

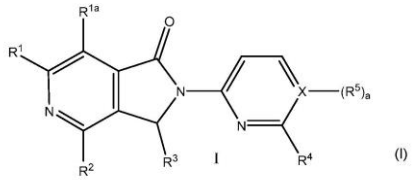


21: 2021/02610. 22: 2021/04/20. 43: 2023/10/09
51: C12N
71: AB ENZYMES OY
72: PALMUNEN, Katja, PERKKALAINEN, Mirkka, LEHTIKARI, Leena, KÜHN, Imke
33: EP 31: 18205062.5 32: 2018-11-08
54: METHOD OF PRECIPITATING PHYTASE
00: -
Herein is disclosed a process for effectively precipitating phytase as a complex with a polyanion, as well as compositions comprising phytase and a polyanion, and a method for manufacturing such compositions.



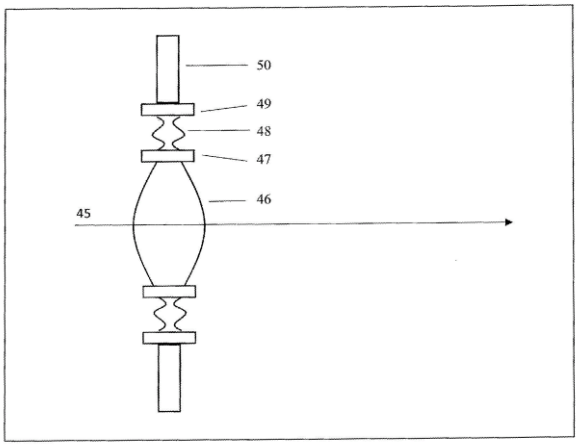
21: 2021/03099. 22: 2021/05/07. 43: 2023/09/11
51: A61K; A61P; C07D
71: Pfizer Inc.
72: GALLEGO, Rebecca Anne, NAIR, Sajiv Krishnan, KANIA, Robert Steven, AHMAD, Omar Khaled, JOHNSON, Ted William, TUTTLE, Jamison Bryce, JALAIE, Mehran, MCTIGUE, Michele Ann, ZHOU, Dahui, DEL BEL, Matthew L., ZHOU, Ru, HE, Mingying, SCHMITT, Anne-Marie Dechert
33: US 31: 62/767,602 32: 2018-11-15

54: 2,3-DIHYDRO-1H-PYRROLO[3,4-C]PYRIDIN-1-ONE DERIVATIVES AS HPK1 INHIBITORS FOR THE TREATMENT OF CANCER
00: -
This invention relates to 2,3-dihydro-1H-pyrrolo[3,4-c]pyridin-1-one derivatives of general Formula (I) and pharmaceutically acceptable salts thereof, as hematopoietic progenitor kinase 1 (HPK1) inhibitors, in which R^1, R^{1a}, R^2, R^3, R^4, and $(R^5)a$ are as defined herein, to pharmaceutical compositions comprising such compounds and and to compositions for the treatment of abnormal cell growth, including cancer. A specific exemplary compound is e.g. 4-[(methylamino)methyl]-6-[methyl(propan-2-yl)amino]-2-[6-(4-propyl-4H-l,2,4-triazol-3-yl) pyridin-2-yl]-2,3-dihydro-lH-pyrrolo[3,4-c]pyridin-l-one. The present description discloses the preparation of exemplary compounds as well as pharmacological data thereof (e.g. pages 82 to 211; examples 1 to 188; tables 1 to 5).



21: 2021/03205. 22: 2021/05/12. 43: 2023/09/06
51: A61F; G02C
71: Z Optics, Inc.
72: SARVER, Edwin J., SIMMS, James J.
33: US 31: 14/686,233 32: 2015-04-14
54: HIGH DEFINITION AND EXTENDED DEPTH OF FIELD INTRAOCULAR LENS
00: -
A virtual aperture integrated into an intraocular lens is disclosed. Optical rays which intersect the virtual aperture are widely scattered across the retina causing the light to be virtually prevented from reaching detectable levels on the retina. The use of the virtual aperture helps remove monochromatic and chromatic aberrations yielding high-definition retinal images. For a given definition of acceptable vision, the depth of field is increased over a larger

diameter optical zone. In addition, thinner intraocular lenses can be produced since the optical zone can have a smaller diameter. This in turn allows smaller corneal incisions and easier implantation surgery.



21: 2021/03362. 22: 2021/05/18. 43: 2023/09/04
51: A23P; A23L; A47G
71: UNILEVER IP HOLDINGS B.V.
72: HUO, ZHE, LIANG, YAN, SHU, AO, WONG, ANNA, XIE, HOUYU, GRUDKE-KATSCHUS, TANJA, KUNKEL, ANJA, WEIMAR, REGINE
33: EP 31: 19182192.5 32: 2019-06-25
33: CN 31: PCT/CN2019/088784 32: 2019-05-28
33: CN 31: PCT/CN2019/088783 32: 2019-05-28
33: EP 31: 18214412.1 32: 2018-12-20
54: FOOD ARTICLE
00: -
The present invention relates to a process for producing a food article consisting of an edible composition having an elongated member extending therefrom, the edible composition having a water content of less than 5 wt.%. The present invention also relates an edible composition and to the of the edible composition for preparing a meal or snack.

21: 2021/03363. 22: 2021/05/18. 43: 2023/09/04
51: A23L; A23P
71: UNILEVER IP HOLDINGS B.V.
72: DE OLIVEIRA, MARCELO CAMILO, SAILER, WINFRIED
33: EP 31: 18214751.2 32: 2018-12-20
54: SAVOURY COMPOSITION
00: -
The present invention relates to a shaped savoury composition comprising particles of puffed maize endosperm. The present invention also relates to a method of preparing such a composition and to the use of puffed maize endosperm in food products.

21: 2021/03404. 22: 2021/05/19. 43: 2023/10/09
51: A24F; A61K; A61M; C07K; C12N; A61P
71: HOAG, George Edward, SALERNO, John
72: HOAG, George Edward, SALERNO, John
33: US 31: 62/749,446 32: 2018-10-23
54: COMPOSITION AND METHOD FOR TREATING THE LUNGS
00: -
Methods of use and pharmaceutical liquid compositions that are orally administered to the lungs through vaporization and aerosol generating devices providing multifunctional treatment for lung and respiratory diseases are presented.

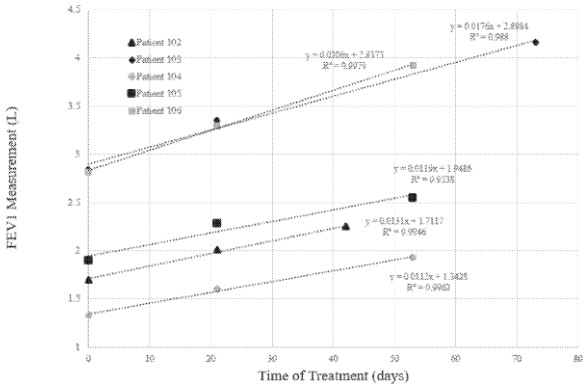
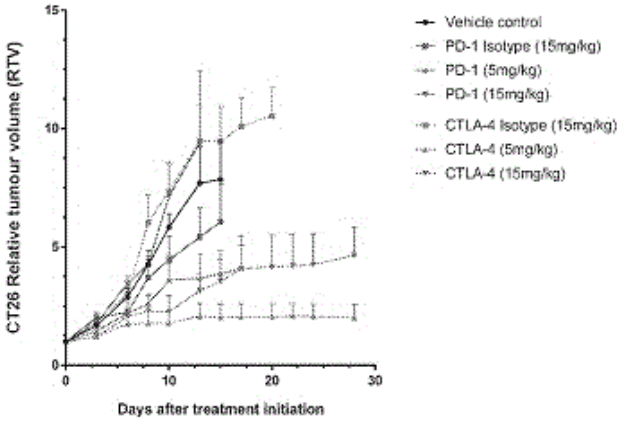
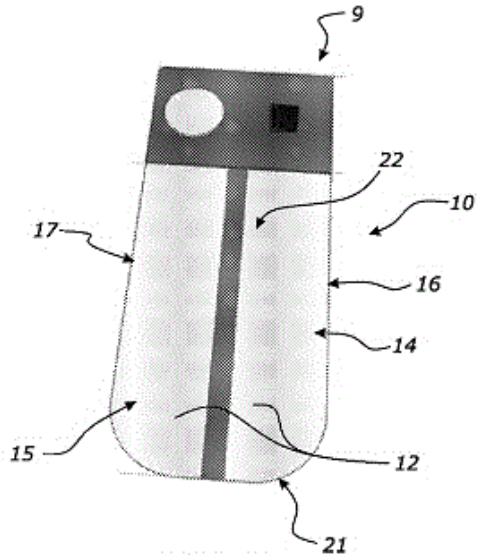


FIGURE 1

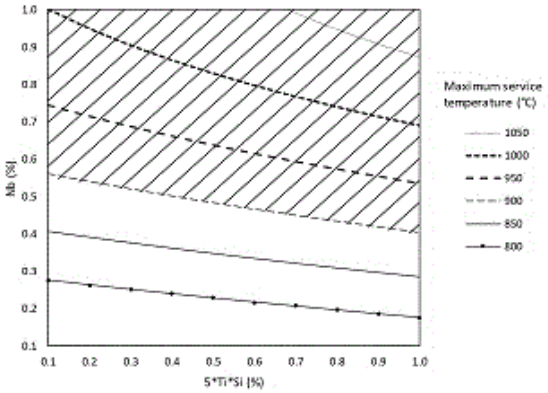
21: 2021/03429. 22: 2021/05/20. 43: 2023/09/05
51: A61K; A61P; C07K
71: FUSION PHARMACEUTICALS INC.
72: METCALF, JULIE, GRINSHTEIN, NATALIE, HU, MEIDUO, VALLIANT, JOHN FITZMAURICE, BURAK, ERIC STEVEN
33: US 31: 62/774,847 32: 2018-12-03
54: RADIOIMMUNOCONJUGATES AND CHECKPOINT INHIBITOR COMBINATION THERAPY
00: -
Combination therapies comprising administering radioimmunoconjugates and one or more checkpoint inhibitors.



21: 2021/03636. 22: 2021/05/27. 43: 2023/09/05
51: G01N; A61B; A61F
71: TILKOBLEDE BELGIUM BVBA
72: VAN DE SANDE, BENOIT, VAN DE SANDE, BRAM
33: NZ 31: 748811 32: 2018-11-28
54: A SENSOR, SYSTEM AND METHOD FOR DETECTING OR SENSING MOISTURE OR WETNESS OF AN ARTICLE
00: -
The present invention relates to a sensor, system and method for detecting or sensing moisture or wetness of an article. Instead of conventional methods for detecting or sensing moisture or wetness of an article such as visual checking which requires constant inspection of the article, and for many articles is not possible, or the use of chemically activated indicators which are generally single use, the present invention uses electrical charge to detect or sense the moisture or wetness of an article. In that way, the present invention aims to provide a reusable way for detecting or sensing moisture or wetness in different articles. The present invention may be used in applications where moisture or wetness changes often.



21: 2021/03639. 22: 2021/05/27. 43: 2023/09/05
51: C22C
71: OUTOKUMPU OYJ
72: MANNINEN, TIMO, KELA, JUHA, JUUTI, TIMO
33: EP 31: 18215480.7 32: 2018-12-21
54: FERRITIC STAINLESS STEEL
00: -
The invention relates to a Ferritic stainless steel having excellent corrosion and sheet forming properties. The steel consists of in weight percentages 0.003 - 0.035 % carbon, 0.05 - 1.0 % silicon, 0.10 - 0.8 % manganese, 18 - 24 % chromium, 0.05 - 0.8 % nickel, 0.003 - 2.5 % molybdenum, 0.2 - 0.8 % copper, 0.003 - 0.05 % nitrogen, 0,05 - 1.0 % titanium, 0.05 - 1.0 % niobium, 0.03 - 0.5 % vanadium, 0.010 - 0.04 % aluminium, and the sum C+N less than 0.06 %, the remainder being iron and inevitable impurities, wherein the ratio (Ti+Nb)/(C+N) is higher or equal to 8, and less than 40, and the ratio Tieq/Ceq = (Ti + 0.515*Nb +0.940*V)/(C+0.858*N) is higher or equal to 6, and less than 40, and Leq = 5.8*Nb + 5*Ti*Si is higher or equal to 3.3, and the steel is produced using AOD (Argon-Oxygen-Decarburization) technology.



21: 2021/03823. 22: 2021/06/03. 43: 2023/09/04
51: A23P; A23L
71: UNILEVER IP HOLDINGS B.V.
72: GRUDKE-KATSCHUS, TANJA, RUPP, WINFRIED, WEIMAR, REGINE
33: EP 31: 18214409.7 32: 2018-12-20
54: SAVOURY COMPOSITION
00: -
The present invention relates to a savoury food article consisting of a solid, savoury composition having an elongate member extending therefrom, and also to a method for preparing such a savoury article and to the use of such a savoury article.

21: 2021/03910. 22: 2021/06/07. 43: 2023/09/05
51: B60R; B60P; B62D
71: METSO OUTOTEC SWEDEN AB
72: LAGERSKIÖLD, JENS, PERSSON, HENRIK
33: SE 31: 1851564-3 32: 2018-12-12
54: TRUCK BED
00: -
The invention relates to an on-road truck body lining (200) for protecting an on-road truck body (100) from wear. The on-road truck body lining comprising a plurality of main lining elements (10, 20), and a plurality of edge lining elements (40) arranged to be fixated to the on-road truck body such that the respective adjacent edge lining element, upon being fixated, clamps the main lining element to the on-road truck body.

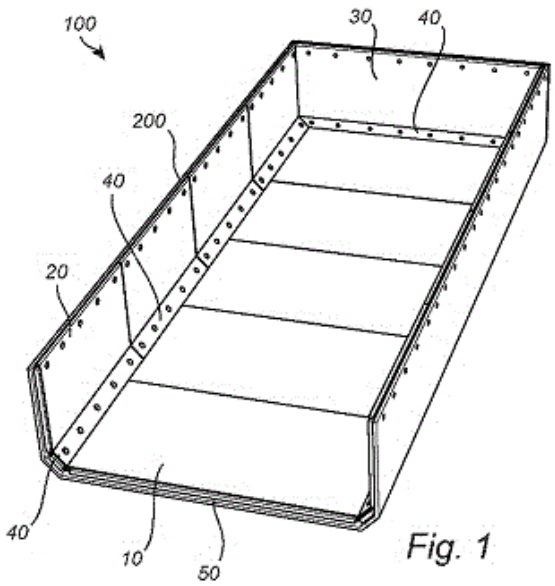
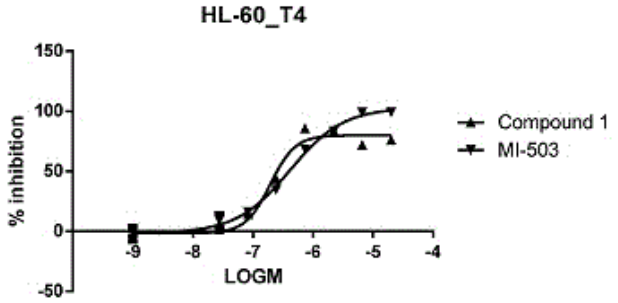
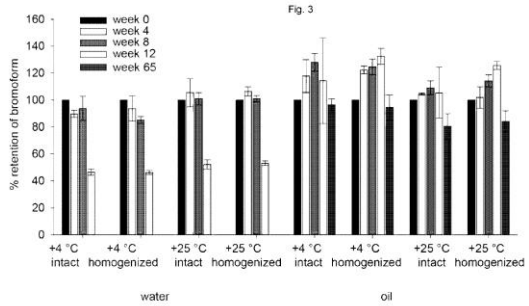


Fig. 1

21: 2021/03912. 22: 2021/06/07. 43: 2023/09/05
51: A61K; C07C
71: BIOMEA FUSION, LLC
72: BUTLER, THOMAS, PALMER, JIM, UPASANI, RAVI, WELSCH (DECEASED), MATTHEW, VEMPATI, SRIDHAR, KELLY, BRENDAN, PAINTER, EDWARD
33: US 31: 62/786,842 32: 2018-12-31
54: IRREVERSIBLE INHIBITORS OF MENIN-MLL INTERACTION
00: -
Disclosed herein are heterocyclic compounds that inhibit the binding of menin and MLL or MLL fusion proteins. Also described are specific irreversible inhibitors of menin-MLL interaction. Also disclosed are pharmaceutical compositions that include the compounds. Methods of using the menin-MLL irreversible inhibitors are disclosed, alone or in combination with other therapeutic agents, for the treatment of autoimmune diseases or conditions, heteroimmune diseases or conditions, cancer, including lymphoma, leukemia and other diseases or conditions dependent on menin-MLL interaction.



21: 2021/03962. 22: 2021/06/09. 43: 2023/10/09
51: A23K; A61K; A61P
71: FUTUREFEED PTY LIMITED
72: DE NYS, Rocky, MAGNUSSON, Marie Elisabeth
33: AU 31: 2018904642 32: 2018-12-06
54: NOVEL COMPOSITION
00: -
The field of the invention relates to processes for preparing Asparagopsis oil compositions, comprising extracting at least one bioactive from a biomass of Asparagopsis into an oil to form the compositions. These compositions are suitable for reducing total gas production and/or methane production in a ruminant or pseudo-ruminant animal.



21: 2021/03975. 22: 2021/06/09. 43: 2023/09/04
51: A61K; C07D
71: H. LUNDBECK A/S
72: BEALS, CHANNING RODNEY, JONES, DALLAS, CLAPPER, JASON ROBERT, O'NEILL, GARY PAUL, FRASER, IAIN PETER, BLANKMAN, JACQUELINE LORAYNE, WIENER, JOHN J.M, GRICE, CHERYL A
33: US 31: 62/772,554 32: 2018-11-28
54: METHODS OF TREATING DISEASE WITH MAGL INHIBITORS
00: -
Provided herein are methods for the treatment of disease with monoacylglycerol lipase (MAGL) inhibitors.

21: 2021/04015. 22: 2021/06/10. 43: 2023/09/05
51: G01N
71: GREAT NORTH RESEARCH AND INNOVATION LTD
72: GERARDOS, GEORGIOS, HAWORTH, DAN, SCOTT, PAUL, HARRIS, WILL, SHELFORD, LEIGH
33: GB 31: 1818478.8 32: 2018-11-13
54: APPARATUS
00: -
The present invention relates to a biochemical assay apparatus in which a sample processing device is controlled by a detection instrument through a series of linear and rotary actuations to execute a biochemical assay on a biological fluid sample.

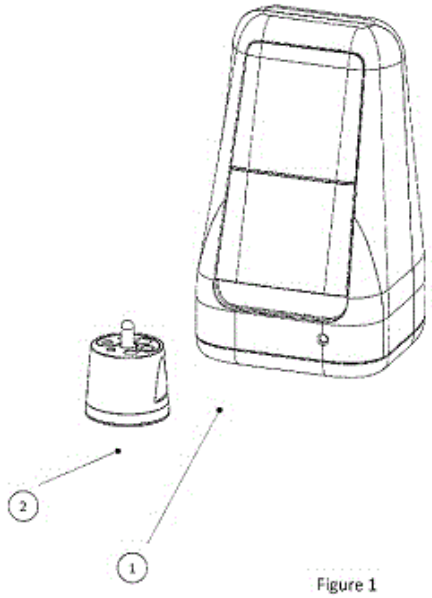
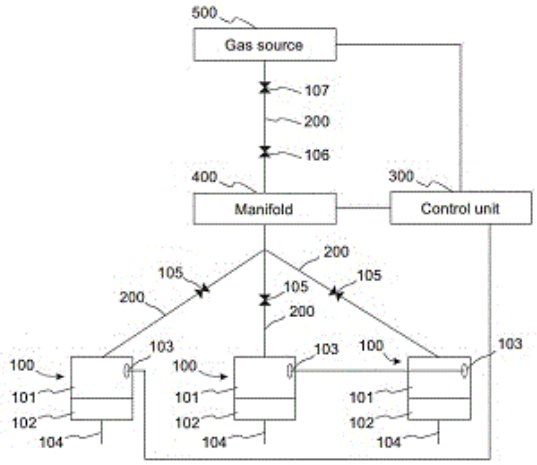


Figure 1

21: 2021/04153. 22: 2021/06/17. 43: 2023/09/05
51: B02C
71: METSO OUTOTEC USA INC.
72: VANZYL, IAN, NICHOLLS, CARL
33: EP 31: 18215473.2 32: 2018-12-21
54: MONITORING SYSTEM
00: -
The present invention relates to a monitoring system for a hydraulic system in a comminution apparatus including at least one pressurized accumulator. The monitoring system comprises at least one pressure sensor and a control unit, wherein the pressure sensor is connected to the control unit. The pressure sensor being arranged to measure a pressure in the at least one accumulator and wherein the control unit is configured to determine that a pressure in the

accumulator is outside of a predefined range and wherein the control unit is further configured to control a pressure regulating system arranged to restore the pressure in the pressurized accumulator.



21: 2021/04166. 22: 2021/06/17. 43: 2023/10/09
51: A61K; A61P
71: HUYABIO INTERNATIONAL, LLC
72: ROMANO, Suzanne J., ELLIOTT, Gary T.
33: US 31: 62/779,056 32: 2018-12-13
33: US 31: 62/858,324 32: 2019-06-06
54: SULCARDINE ADMINISTRATION FOR TREATMENT OF ACUTE ATRIAL FIBRILLATION
00: -
Provided herein are compositions and methods for administration of sulcardine to a subject in need thereof.

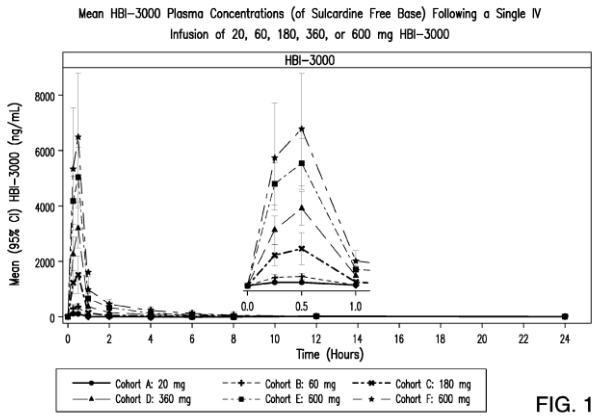
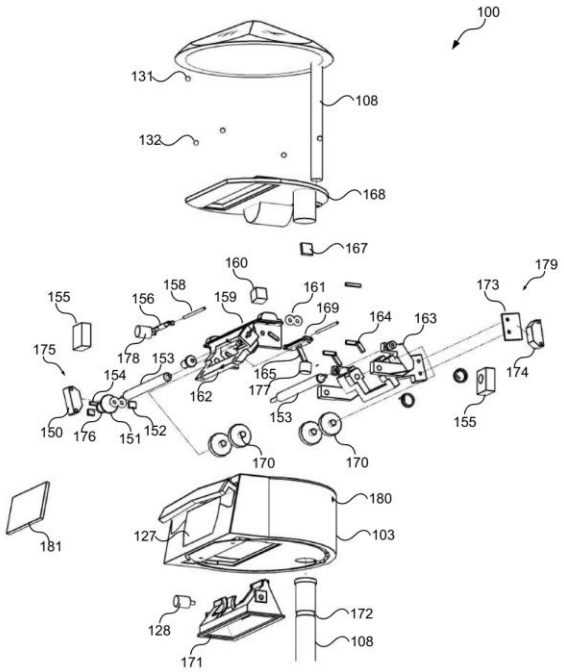


FIG. 1

21: 2021/04195. 22: 2021/06/18. 43: 2023/09/05
51: C12N
71: INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, UNIVERSITE COTE D'AZUR
72: GOUZE, ELVIRE
33: EP 31: 18306740.4 32: 2018-12-19
54: HYBRID PROMOTERS AND THEIR USES IN THERAPY, NOTABLY FOR TREATING TYPE II COLLAGENOPATHIES
00: -
The present invention relates to hybrid promoters with a specific design, comprising fragments of the hCOL2A1 promoter and fragments of the hEF1α promoter, which may be of interest in therapy, particularly in gene therapy. Notably, they may be introduced into a vector for expressing a nucleic acid sequence of interest. They may be particularly useful for treating skeletal dysplasia, such as type II collagenopathies; or articular diseases.

21: 2021/04286. 22: 2021/06/22. 43: 2023/10/09
51: G07D; G06Q
71: DELLAS, James
72: DELLAS, James
33: AU 31: 2018904467 32: 2018-11-23
33: AU 31: 2019902972 32: 2019-08-16
54: A HANDHELD MOBILE COMMUNICATION DEVICE CONNECTED DONATION RECEIVING APPARATUS
00: -
Donation receiving apparatus has a denomination discriminator interfacing a storage area. The denomination discriminator has at least one sensor for sensing at least one physical characteristic of currency passing therethrough. A device controller interfaces a mobile communication device interface and the denomination discriminator. In use, the device controller establishes communication with the mobile communication device, detects a denomination using the at least one physical characteristic and transmits the denomination to the mobile communication device. The mobile communication device may execute an application controller which displays a graphical user interface on a digital display thereof which may display the denomination.

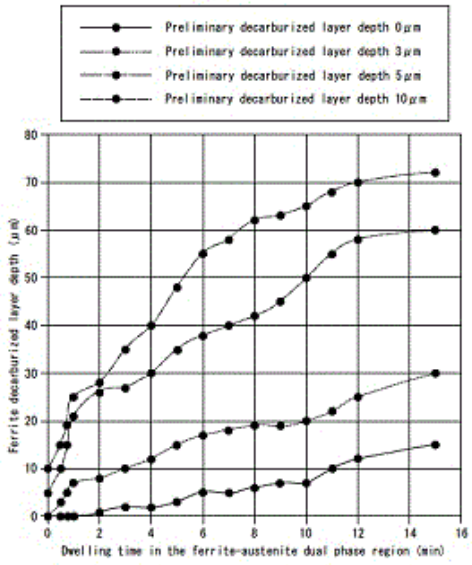


21: 2021/04330. 22: 2021/06/23. 43: 2023/09/05
51: C22C; C21D
71: JFE STEEL CORPORATION
72: ARATANI, MASATOSHI, MATSUI, RYOJI, KONDOU, TOMONORI
33: JP 31: 2018-237698 32: 2018-12-19

54: ELECTRIC RESISTANCE WELDED STEEL PIPE OR TUBE

00: -

Provided is an electric resistance welded steel pipe or tube that develops no quench cracks despite having carbon content of 0.40 % or more and has excellent fatigue strength. An electric resistance welded steel pipe or tube comprises: a chemical composition containing, in mass%, C: 0.40 % to 0.55 %, Si: 0.10 % to 1.0 %, Mn: 0.10 % to 2.0 %, P: 0.10 % or less, S: 0.010 % or less, Al: 0.010 % to 0.100 %, Cr: 0.05 % to 0.30 %, Ti: 0.010 % to 0.050 %, B: 0.0005 % to 0.0030 %, Ca: 0.0001 % to 0.0050 %, and N: 0.0005 % to 0.0050 %, with a balance consisting of Fe and inevitable impurities; and a ferrite decarburized layer at each of an outer surface and an inner surface, the ferrite decarburized layer having a depth of 20 mm to 50 mm from the surface.

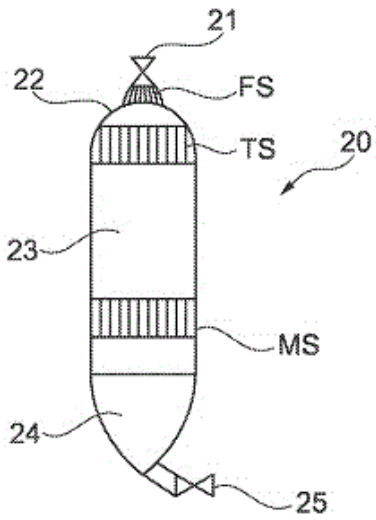


21: 2021/04454. 22: 2021/06/28. 43: 2023/09/05
51: D21C; C08B; C08H
71: VALMET AB
72: LAMMI, LARI, KARVONEN, JOUNI, MINNAAR, SUSANNA, LANDMAN, HUNPHREY, WAUTS, JOHANN
33: SE 31: 1950402-6 32: 2019-04-01

54: METHOD FOR EXTRACTING HEMICELLULOSE FROM LIGNOCELLULOSIC MATERIAL

00: -

The present invention relates to a method for extracting hemicellulose from lignocellulosic material, the method comprising - providing (11) a quantity of lignocellulosic material comprising a first amount of hemicellulose, - determining (12) a desired amount of hemicellulose for extraction, wherein the desired amount of hemicellulose is determined (12) as a portion of the first amount of hemicellulose, - supplying (13) the lignocellulosic material to the treatment vessel, - performing (14) hydrolysis of the lignocellulosic material for extracting hemicellulose, and - supplying (15) a volume of displacement liquor, wherein the volume of displacement liquor is supplied until the desired amount of hemicellulose is displaced from the treatment vessel.



21: 2021/04455. 22: 2021/06/28. 43: 2023/09/05
51: D21C
71: VALMET AB
72: LAMMI, LARI, KARVONEN, JOUNI, MINNAAR, SUSANNA, LANDMAN, HUNPHREY, COETZEE, BERDINE, WAUTS, JOHANN
33: SE 31: 1950405-9 32: 2019-04-02
54: A METHOD AND ARRANGEMENT IN A BATCH PULP PRODUCTION PROCESS
00: -
A method for extracting hydrolysate in a batch cooking process for producing pulp, a hydrolysate extracting arrangement and a batch cooking system.Said method comprising the steps of: -providing lignocellulose raw material to a batch cooking vessel; -performing acid hydrolysis of the lignocellulose raw material in the batch cooking vessel; -removing hydrolysate from the batch cooking vessel; and -cooling the removedhydrolysateon its way from the batch cooking vessel to a hydrolysate extracting tank to less than140 °C as soon as possible after removal from the batch cooking vessel, wherein cooling is performed within a time period of 0-2 minutes from when the hydrolysate is leaving the batch cooking vessel.

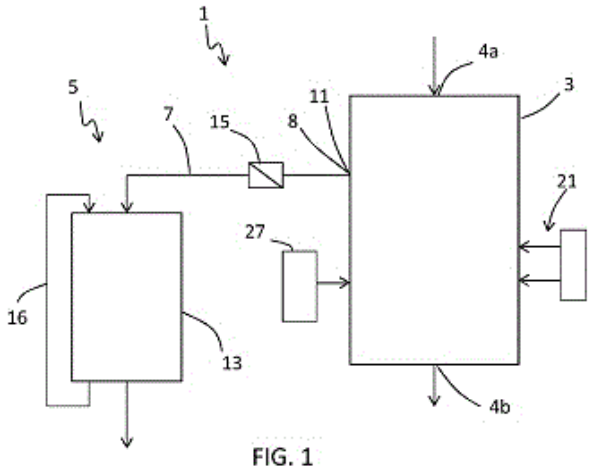
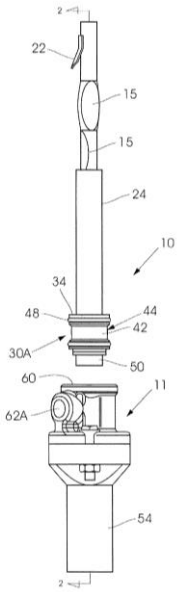
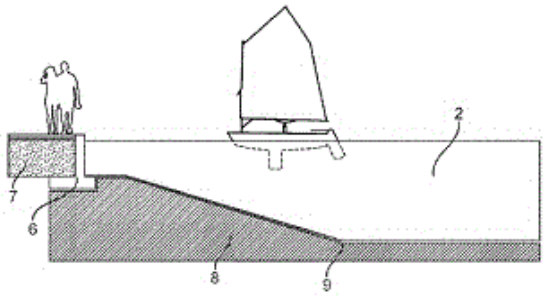


FIG. 1

21: 2021/04504. 22: 2021/06/29. 43: 2023/10/24
51: E21D
71: INNOVATIVE MINING PRODUCTS (PTY) LTD
72: CROMPTON, Brendan Robert, CAWOOD, Martin, PASTORINO, Paolo Ettore, ABREU, Rual
33: ZA 31: 2019/07725 32: 2019-11-22
54: RESIN-GROUTED ROCK BOLT ASSEMBLY WITH AN ADAPTED SEALING BUSH
00: -
A single-use sealing bush which is adapted to form a sealing interface between a rock bolt and a nozzle of a grout delivery system, the sealing bush including a cylindrical body defined between a first end and a second end; a hole in the first end of the body that is adapted to receive the rock bolt; a pair of spaced apart annular ridges, on an outer cylindrical surface of the body, between which a grout distributing channel is defined; and an aperture which connects the channel to the recess; wherein each annular ridge is adapted to seal against the nozzle in a position which communicates a grout inlet port of the nozzle with the grout distributing channel.



21: 2021/04522. 22: 2021/06/29. 43: 2023/09/05
51: A63G; E02B; E02D
71: CRYSTAL LAGOONS TECHNOLOGIES, INC.
72: FISCHMANN, FERNANDO BENJAMIN
33: US 31: 16/538,273 32: 2019-08-12
33: US 31: 62/785,086 32: 2018-12-26
54: CONSTRUCTION METHOD FOR CREATING A TROPICAL STYLE SWIMMING LAGOON WITH BEACHES WITHIN VACANT OR ABANDONED SITES
00: -
An urban transformation and construction method is disclosed that creates a tropical style swimming lagoon at vacant and/or abandoned sites. The transformation includes demolishing at least part of the vacant or abandoned site, excavating material from within the site; forming a basin for a large water body having a surface area of at least 3,000 m2, and constructing water containment walls on a first section of the basin to form a waterfront perimeter. The shape of the waterfront perimeter is mainly curved, the basin has a maximum width of 300 meters, and the bottom is covered with a non-permeable material. A sloped access area is constructed in a second section of the basin to form a beach. A barrier is constructed to control access into the area including the beach. At least one recreational facility is constructed including restaurants, bars, kiosks, stores, and/or cafes about the waterfront perimeter.



21: 2021/05296. 22: 2021/07/27. 43: 2023/09/05
51: A24F
71: ALTRIA CLIENT SERVICES LLC
72: CADIEUX, EDMOND, BURTON, DOUGLAS, SMITH, BARRY, LIPOWICZ, PETER, COBLER, PATRICK
33: US 31: 61/946,376 32: 2014-02-28
54: ELECTRONIC VAPING DEVICE AND COMPONENTS THEREOF
00: -
An electronic vaping device comprising a pre-vapor formulation storage element connectable to a power supply. The element contains a pre-vapor formulation material which is absorbed in a fibrous material. The element includings an outer casing extending in a longitudinal direction, an air inlet, a vapor outlet, an inner tube within the outer casing defining a central air passage communicating with the air inlet and the vapor outlet, and a susceptor adjacent the central air passage. The susceptor heats the pre-vapor formulation material to vaporize the pre-vapor formulation material. The power supply includes an outer casing extending in a longitudinal direction including a power source in electrical communication with an induction source. The induction source is axially spaced from the susceptor, if the power supply is attached to the element such that the induction source is operable to generate an inductive field to heat the susceptor if powered by the power source.

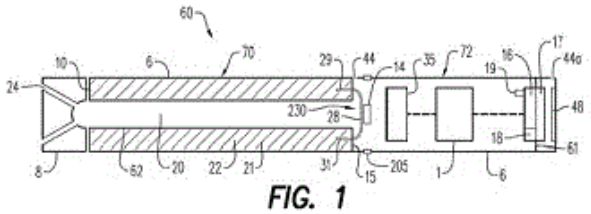
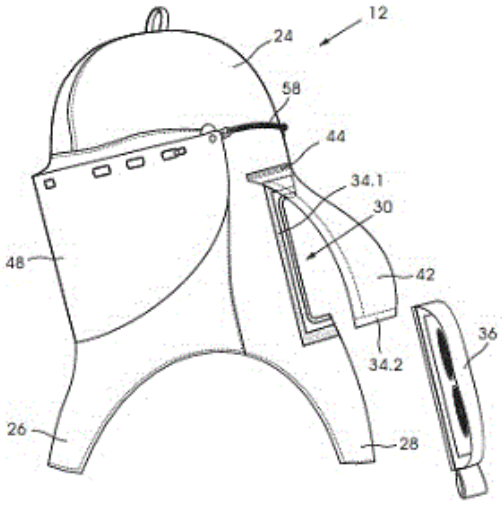


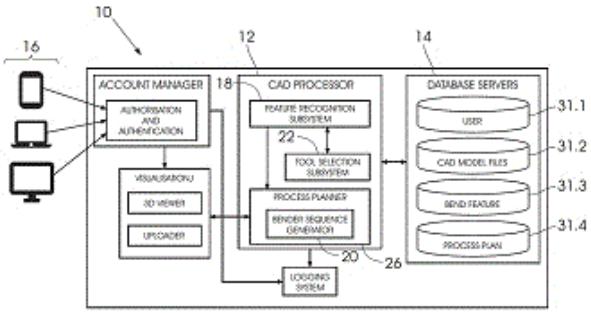
FIG. 1

21: 2021/05385. 22: 2021/07/29. 43: 2023/09/05

51: A41D; D04H; A62B
71: CHARNAUD TECHNOLOGIES (PTY) LTD.
72: CHARNAUD, FIONA, CHARNAUD (DECEASED), ANDREW JOHN
33: ZA 31: 2020/03882 32: 2020-06-26
54: PROTECTIVE GARMENT
00: -
Protective garments (10) such as protective suits, hoods (12) (incorporating a ventilation apparatus (20)), coats, jackets, and the like, worn by persons working in areas where they may encounter arc flashes, burning oil or fuel or other dangers caused by excessive heat or energy transfer. The ventilation apparatus (20) comprises a base (22) releasably fixed to the garment or hood (12) and over an opening (30), and a fan (32) fixed relative to the base (22). In use, the fan (32) causes a flow of air through the opening (30). Typically, the garments (10) are manufactured from a fabric ensemble, comprising an outer fabric layer, inner fabric layer and a thermal layer. The outer layer comprises a blend of acrylic fibres and aramid fibres. The inner layer comprises a heat-resistant and flame-resistant fabric. The thermal layer comprises acrylic fibres.

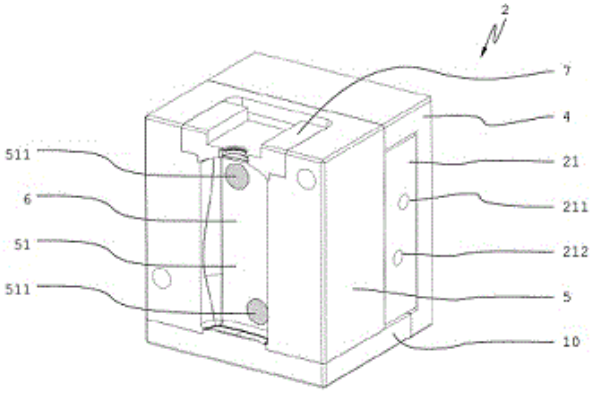


21: 2021/05386. 22: 2021/07/29. 43: 2023/09/05
51: B21C; B21D; G06N; G06F
71: TSHWANE UNIVERSITY OF TECHNOLOGY
72: MPOFU, KHUMBULANI, MURENA, ERIYETI
33: ZA 31: 2020/01961 32: 2020-05-04
54: METHOD OF, AND SYSTEM FOR, DESIGNING/CREATING A BENDING PROCESS PLAN/PROCEDURE
00: -
A method of designing/creating a bending process plan/procedure. The method includes uploading a software file which contains graphical information of a particular part/object to be manufactured through a bending process. The method further includes (i) identifying two or more bends which should be made/performed in order to manufacture the part/object, and (ii) one or more bending features which is/are associated with each bend, by utilising the information contained in the software file. The method then further includes determining, by using a processor, a bending sequence in which the two or more bends should be made/performed in order to manufacture the part/object, by utilising the one or more determined/identified/recognised bending features. The bending features may include a thickness of a sheet of bending material to be used, a bend radius, a bend angle, a bend length, a bend direction, and/or a bend orientation.

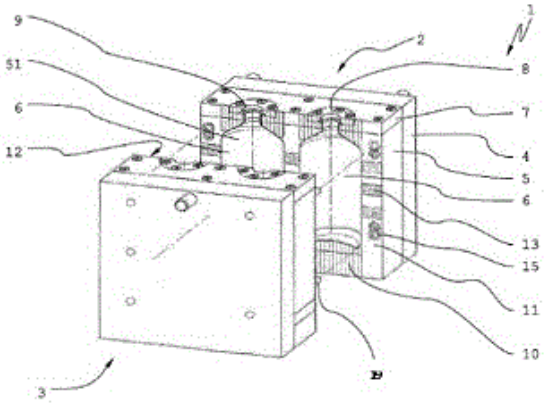


21: 2021/06098. 22: 2021/08/24. 43: 2023/09/05
51: B29C; B29K; B29L
71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG
72: KÜNZ, JOHANN, BOHLE, THOMAS, EYRICH, ANDRE
33: CH 31: 00413/19 32: 2019-03-29
54: BLOW MOULDING TOOL AND METHOD FOR THERMALLY PROCESSING A SUBREGION OF A SURFACE OF A PLASTIC CONTAINER
00: -
The invention relates to a blow moulding tool (1) for a blow moulding machine (1). The blow moulding tool (1) comprises at least one first blow mould half (2) and one second blow mould half (3). The first blow mould half (2) has a baseplate (4) and a moulding body (5). At least one mould cavity (6) with an inner wall (51) is arranged in the moulding body (5). At least one region (511) of the inner wall (51) of said mould cavity (6) comprises, in the associated

section of the moulding body (5), separate temperature control channels (54) for controlling the temperature of the region (54).



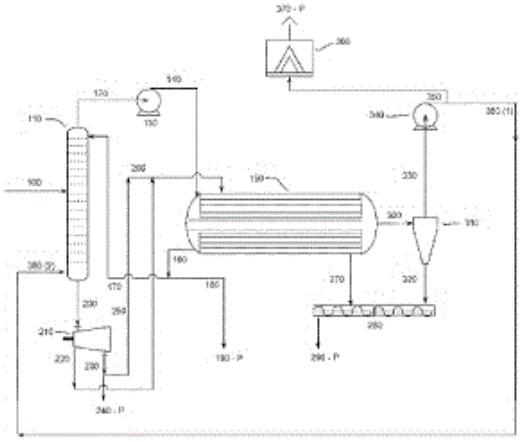
21: 2021/06100. 22: 2021/08/24. 43: 2023/09/05
51: B29C; B29K; B29L
71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG
72: KÜNZ, JOHANN, BOHLE, THOMAS
33: CH 31: 00413/19 32: 2019-03-29
54: METHOD FOR TRANSFERRING A NEGATIVE STRUCTURE OF A SURFACE OF AN INNER WALL OF A BLOW MOULDING TOOL, AND PLASTIC CONTAINER
00: -
The invention relates to a method for transferring a negative structure of a surface of an inner wall (51) of a blow moulding tool (1) onto a surface of a plastic container. Said method comprises the steps of - heating at least one region (511) of a mould cavity (6) of a moulding body (4) of the blow moulding tool (1), on which the negative structure is formed, - inserting a preform into the mould cavity (6), - closing the blow moulding tool (1), - moulding the plastic container by inflating the preform and bringing the preform to lie against the inner wall (51) of the mould cavity (6), - cooling the region (511) by supplying a coolant through temperature control channels (54), and - removing the plastic container from the mould.



21: 2021/06232. 22: 2021/08/27. 43: 2023/10/24
51: B01F; C10L
71: SULNOX GROUP PLC
72: REDMAN, James
33: GB 31: 1903169.9 32: 2019-03-08
54: EMULSIFIER AND EMULSIONS
00: -
There is provided an emulsifier comprising at least one C8 to C18 fatty acid diethanolamide, at least one C12 to C24 fatty acid, at least one C6 to C18 alcohol ethoxylate and optionally at least one sorbitan ester and/or at least one alkylene glycol monoalkyl ether. There is additionally provided emulsions comprising a fuel, water and an emulsifier and methods of producing emulsions.

21: 2021/06306. 22: 2021/08/30. 43: 2023/09/06
51: B01D; A23K; F26B
71: ENERGY INTEGRATION, INC.
72: CRAWFORD, LYNN, SCHAFER, WILLIAM III
33: US 31: 62/800,044 32: 2019-02-01
33: US 31: 62/857,619 32: 2019-06-05
33: US 31: 16/721,896 32: 2019-12-19
54: METHODS AND SYSTEMS FOR ENERGY-EFFICIENT DRYING OF CO-PRODUCTS IN BIOREFINERIES
00: -
A method is disclosed for improving the energy efficiency of biorefmery drying operations through integration of a dryer that utilizes the heat of condensation of process vapors to dry material whose emissions are captured with energy recovery. The dryer separates clean process vapors (e.g., ethanol) and steam from vapors containing volatile organic compounds and entrained materials, to minimize the need for vapor cleanup. An indirect dryer condenses vapors in a tube dryer similar to a

steam tube dryer, but utilizing compressed process vapors, transferring the heat to wet material undergoing drying. The resulting exhaust vapors are either directed to a process stage that requires heat (e.g., distillation) and minimizes the need for vapor cleanup or to an out-of-contact heat exchanger that produces vapors for process use, or to another dryer as an additional effect. Mechanical-vapor recompression or thermal-vapor recompression are employed to produce vapors that optimize overall energy recovery.



21: 2021/06307. 22: 2021/08/30. 43: 2023/09/19
51: B01D
71: KOCH-GLITSCH, LP
72: NIEUWOUDT, IZAK, TALBOT, MALCOLM
33: US 31: 62/822,397 32: 2019-03-22
33: US 31: 62/903,942 32: 2019-09-23
54: VAPOR DISTRIBUTOR FOR A MASS TRANSFER COLUMN AND METHOD INVOLVING SAME
00: -
A vapor distributor for use in an internal region of a mass transfer column to receive and redistribute a vapor stream when it is introduced radially into the internal region through a radial inlet in a shell of the mass transfer column. The vapor distributor includes a plurality of multiple-sided elongated deflectors arranged in a descending array and a pair of braces that extend longitudinally across the array of elongated deflectors and hold them in spaced apart and side-by-side relationship to each other. Each of the elongated deflectors has a deflecting surface that faces toward the radial inlet to redirect and redistribute the radially-introduced vapor stream. The braces each include a strut that may also redirect and redistribute the vapor stream.

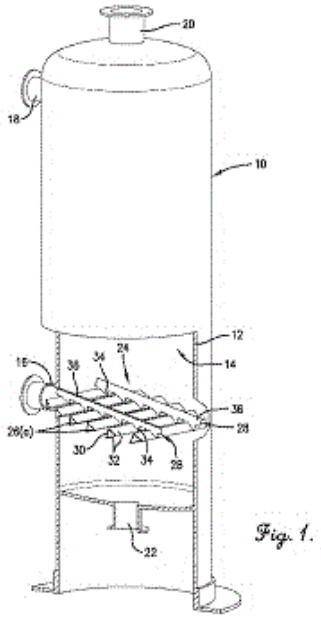
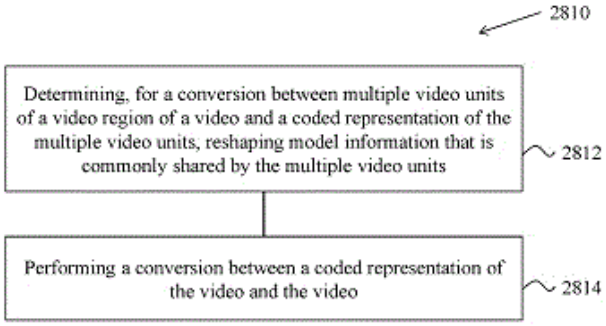


Fig. 1.

21: 2021/06351. 22: 2021/08/31. 43: 2023/09/06
51: H04N
71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.
72: ZHANG, KAI, ZHANG, LI, LIU, HONGBIN, WANG, YUE
33: CN 31: PCT/CN2019/077429 32: 2019-03-08
54: CONSTRAINTS ON MODEL-BASED RESHAPING IN VIDEO PROCESSING
00: -
A video processing method is provided to comprise: performing a conversion between a coded representation of a video comprising one or more video regions and the video, wherein the coded representation includes reshaping model information applicable for in loop reshaping (ILR) of some of the one or more video regions, wherein the reshaping model information provides information for a reconstruction of a video unit of a video region based on a representation in a first domain and a second domain and/or scaling chroma residue of a chroma video unit, and wherein the reshaping model information comprises a parameter set that comprises a syntax element specifying a difference between an allowed maximum bin index and a maximum bin index to be used in the reconstruction, and wherein the parameter is in a range.

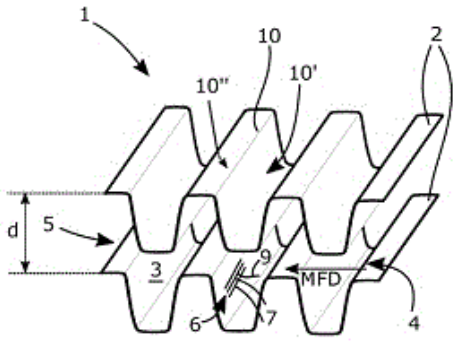


21: 2021/06357. 22: 2021/08/31. 43: 2023/09/06
51: G21C
71: WESTINGHOUSE ELECTRIC SWEDEN AB
72: BERGMANN, UFFE, AMIN, HOSHIAR
33: EP 31: 19162334.7 32: 2019-03-12

54: A FILTER AND A FUEL ASSEMBLY FOR A NUCLEAR PLANT

00: -

A filter (1) for separating particles from a cooling liquid in a nuclear plant is presented. The filter (1) comprises at least one passage (3) with an inner surface, an inlet end (4) and an outlet end (5), wherein the at least one passage (3) is arranged to permit through-flow of the cooling liquid in a main flow direction (MFD) from the inlet end (4) to the outlet end (5). The inner surface of the at least one passage (3) comprises at least one surface section (6) having a structured surface forming a plurality of surface portions (7) facing the main flow direction (MFD) of the cooling liquid and being arranged to catch the particles. Also a fuel assembly (13) for a nuclear plant, comprising a filter (1) is presented.



21: 2021/06413. 22: 2021/09/02. 43: 2023/11/13
51: E21B; E21C
71: JOY GLOBAL UNDERGROUND MINING LLC
72: CONNELL, Alex, STEWART, Ryan
33: US 31: 63/074,835 32: 2020-09-04

54: CUTTING HEAD FOR ROCK CUTTING MACHINE

00: -

A cutting head for a mining machine includes a drum, a vane, and a cutting bit assembly positioned adjacent a surface of the vane. The drum includes a first end, a second end, and an outer surface, and the drum is rotatable about a drum axis. The vane is coupled to the outer surface of the drum and protrudes radially away from the drum axis. In some aspects, the vane includes a planar member extending at least partially around the drum axis and at least partially between the first end of the drum and the second end of the drum. In some aspects, the drum includes a plurality of planar walls extending between the first end and the second end.

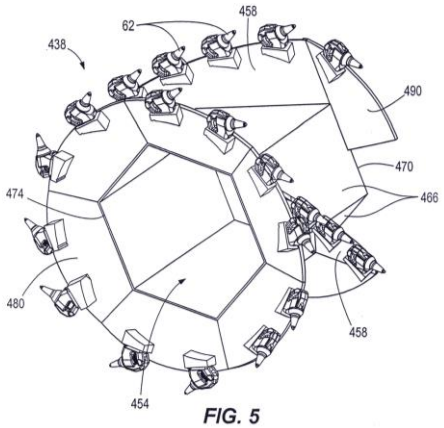


FIG. 5

21: 2021/06435. 22: 2021/09/02. 43: 2023/09/04
51: H02K; B64C
71: CR FLIGHT L.L.C.
72: WISHART, RANDELL J
33: US 31: 62/837,549 32: 2019-04-23

54: COUNTER-ROTATING AXIAL ELECTRIC MOTOR ASSEMBLY

00: -

A counter-rotating (CR) axial electric motor assembly is presented, with two oppositely rotating drive members, that is utilized to power any device that has traditionally employed an electric motor to supply rotational power.

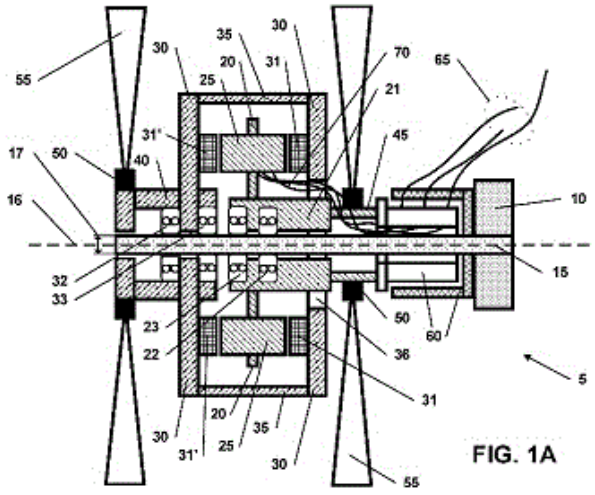
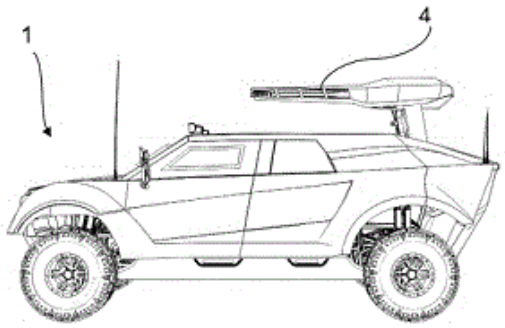
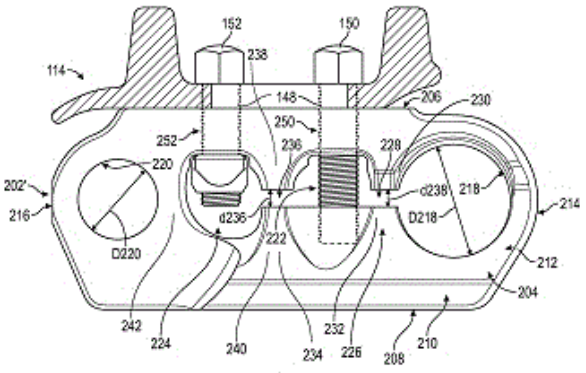


FIG. 1A

21: 2021/06899. 22: 2021/09/17. 43: 2023/09/08
51: F41A
71: JOHN COCKERILL DEFENSE SA
72: BOLEN, PHILIPPE, CORONA, FABIAN
33: EP 31: 19158468.9 32: 2019-02-21
54: STEALTH VEHICLE WITH RAPID DEPLOYMENT INTEGRATED WEAPON SYSTEM
00: -
A vehicle (1) comprising - a roof (2) delimited by an opening containing a recess (3);- a retractable weapon system (4) able to be deployed automatically between a first retracted position located inside the vehicle in the recess (3) of the roof (2) and a second deployed and operational position located outside the vehicle;- an automatic mechanism (8) able to ensure, during use, the movement of the weapon system (4) between the two aforementioned positions; characterized in that the vehicle comprises a cap (5) secured to the weapon system (4) making it possible to cover the recess (3) by forming a junction between an outer contour of said cap (5) and the periphery of the opening of the roof (2) with a perfect fit, when the weapon system (4) is in the first retracted position.

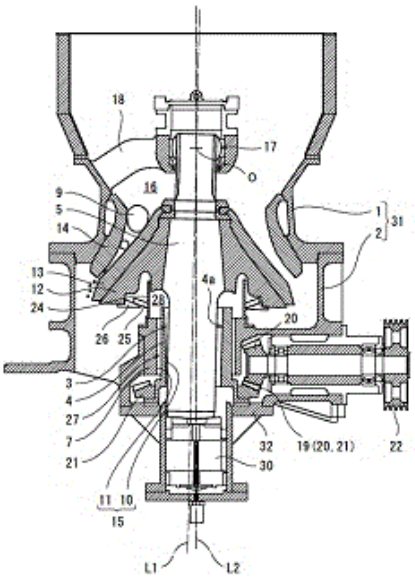


21: 2021/06980. 22: 2021/09/20. 43: 2023/09/08
51: B62D
71: CATERPILLAR INC.
72: AKINLUA, TEMITOPE O, HAKES, DAVID J, HASSELBUSCH, MICHAEL D
33: US 31: 16/360,351 32: 2019-03-21
54: TRACK CHAIN AND METHODS FOR BUSHING ROTATION
00: -
A method of servicing a track chain assembly includes loosening a fastener to reduce a clamping force of a track link body on a track bushing. With the clamping force reduced, the method includes rotating the track bushing from a first position wherein a worn side of the track bushing faces a drive sprocket to a second position wherein an unworn side of the track bushing faces the drive sprocket. Once the track bushing in the second position, the method includes tightening the fastener to increase the clamping force on the track bushing. The method can be performed while leaving the track chain in place on a track machine.



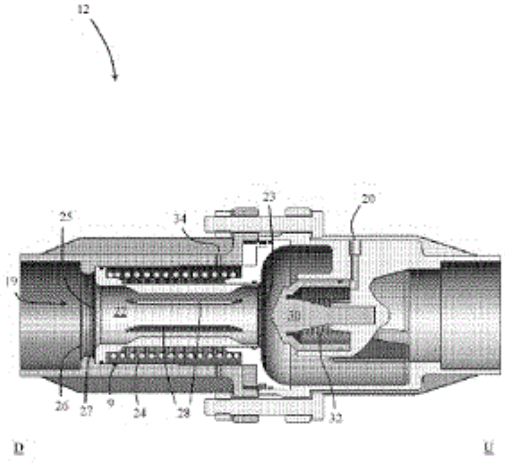
21: 2021/07136. 22: 2021/09/23. 43: 2023/09/08
51: B02C
71: KABUSHIKI KAISHA EARTHTECHNICA
72: KIJIMA, TAKASHI, OYAMA, ATSUSHI, KOGA, AKIMASA, SATO, YOSHICHIKA

54: GYRATION-TYPE CRUSHER
00: -
A gyration-type crusher includes: a main shaft rotatably disposed inside a concave to eccentrically gyrate in a manner in which a central axis of the main shaft is tilted with respect to a central axis of the concave; an upper bearing rotatably supporting an upper end of the main shaft; a lower bearing rotatably supporting a lower end of the main shaft; and a hydraulic cylinder that moves the main shaft upward and downward by hydraulic pressure. The lower bearing includes an eccentric sleeve including a main shaft insertion hole into which the lower end of the main shaft is rotatably inserted, and an outer barrel including an eccentric sleeve insertion hole into which the eccentric sleeve is rotatably inserted. At least one of an inner circumferential surface of the main shaft insertion hole, an outer circumferential surface of the eccentric sleeve, or an inner circumferential surface of the eccentric sleeve insertion hole has a tapered shape in a region extending over at least a portion of the circumferential surface in an axial direction of the hole or eccentric sleeve, the tapered shape being such that a distance between the circumferential surface and another surface facing the circumferential surface increases upward.



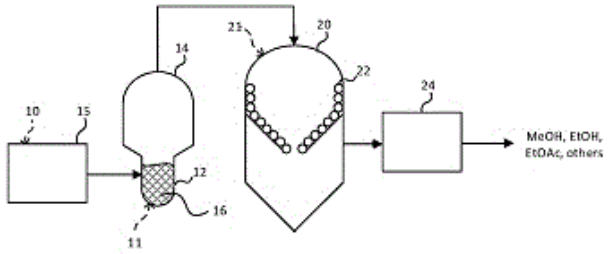
21: 2021/07299. 22: 2021/09/28. 43: 2023/09/08
51: G05D
71: NETAFIM LTD
72: GAZIT, BAR, PELEG, GAD
33: US 31: 62/830,575 32: 2019-04-08

54: PRESSURE REDUCING VALVE WITH SHUT-OFF MECHANISM
00: -
A pressure regulator for regulating pressures within a portion of an irrigation system, can also be used to shut off downstream flow into the portion of the irrigation system in response to an incoming command arriving via an incoming port into the regulator.



21: 2021/07432. 22: 2021/10/01. 43: 2023/09/08
51: C10J; C07C
71: ENERKEM INC.
72: FOUCAULT, MAXIME, CRETE, JEAN-PIERRE, DROLET, GUILLAUME, BOULET, MICAEL, DENOMME, LOUIS, VALSECCHI, BORIS
33: US 31: 62/833,158 32: 2019-04-12

54: PRODUCTION OF SYNTHESIS GAS FROM GASIFYING AND REFORMING CARBONACEOUS MATERIAL
00: -
It is provided a method of converting a carbonaceous material into syngas at a carbon conversion rate of at least 78% comprising gasifying the carbonaceous material in a fluidized bed reactor producing a crude syngas, classifying the crude syngas by particle size and density into a cut sizing device, introducing the classified particle crude syngas into a thermal reformer and reforming the classified crude syngas at a temperature above mineral melting point, producing the syngas.



21: 2021/07580. 22: 2021/10/08. 43: 2023/09/08
51: A61K; A61P
71: ONCONOVA THERAPEUTICS, INC.
72: MANIAR, MANOJ
33: US 31: 62/485,355 32: 2017-04-13
33: US 31: 15/688,320 32: 2017-08-28
33: US 31: PCT/US2017/48890 32: 2017-08-28

54: FORMULATION OF (E)-2,4,6-TRIMETHOXYSTYRYL-3-[(CARBOXYMETHYL)AMINO]-4-METHOXYBENZYLSULPHONE WITH ENHANCED STABILITY AND BIOAVAILABILITY

00: -

Pharmaceutical compositions of (E)-2,4,6-trimethoxystyryl-3-[(carboxymethyl)amino]-4-methoxybenzylsulphone and pharmaceutically acceptable salts thereof are described as well as methods of their use, and a dose regimen of (E)-2,4,6-trimethoxystyryl-3-[(carboxymethyl)amino]-4-methoxybenzylsulphone, sodium salt to reduce the incidence of urothelial toxicity.

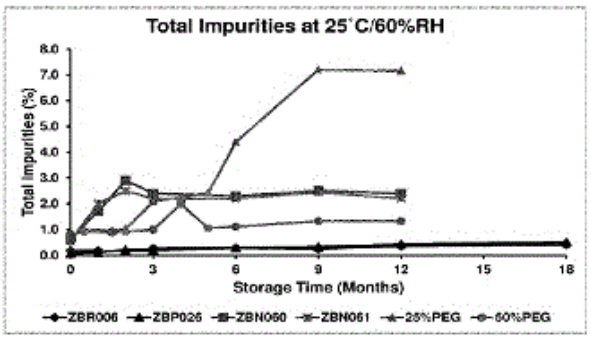


Figure 1. The total impurity (%) among different batches at 25˚C/60%RH storage condition.

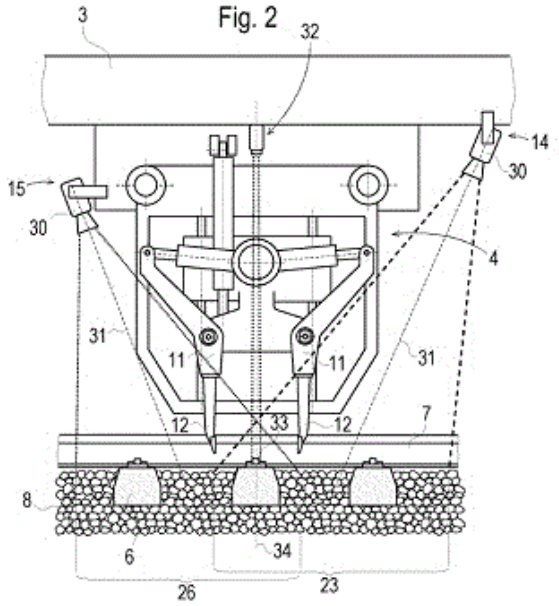
21: 2021/07773. 22: 2021/10/13. 43: 2023/09/08
51: E01B
71: PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H.
72: WOLLANEK, SAMUEL, MAX-THEURER, JOHANNES
33: AT 31: A 194/2019 32: 2019-05-23

54: TRACK-BUILDING MACHINE AND METHOD FOR TAMPING A TRACK

00: -

Track-building machine (1) for tamping a ballast bed (8) of a track (5), having a machine frame (3) which can move on rail bogies (2) and having a tamping unit (4) which comprises tamping tools (11) which can be lowered into the ballast bed (8), can be caused to vibrate and can be adjusted relative to one another, wherein a camera (30) for transmitting real-time recordings to an output device (16) is arranged in a working direction (13) upstream of the tamping unit (4). In the working direction (13) upstream of the tamping unit (4) there is arranged a first camera system (14) in order to capture a first surface region (23) of the track (5) as a first image detail (24, 25). In the working direction (13) downstream of the tamping unit (4) there is additionally arranged a second camera system (15) in order to capture a second surface region (26) of the track (5) as a second image detail (27, 28), wherein the captured image details (24, 25, 27, 28) partially overlap and wherein the output device (16) is designed to output the image details (24, 25, 27, 28) in a combined image.

Fig. 2



21: 2021/08008. 22: 2021/10/19. 43: 2023/09/08
51: H04W; B60W; G08B
71: CAMBRIDGE MOBILE TELEMATICS INC.
72: BALAKRISHNAN, HARI, BRADLEY, WILLIAM, MADDEN, SAMUEL ROSS, PARK, JUN-GEUN

33: US 31: 16/403,761 32: 2019-05-06
33: US 31: 16/403,776 32: 2019-05-06

54: DETERMINING, SCORING, AND REPORTING MOBILE PHONE DISTRACTION OF A DRIVER

00: -

Among other things, information generated by sensors of a mobile phone and indicative of motion of the mobile phone and state information indicative of a state of operation of the mobile phone are monitored. Based on the monitoring, distraction by a user of the mobile phone who is a driver of a vehicle is determined.

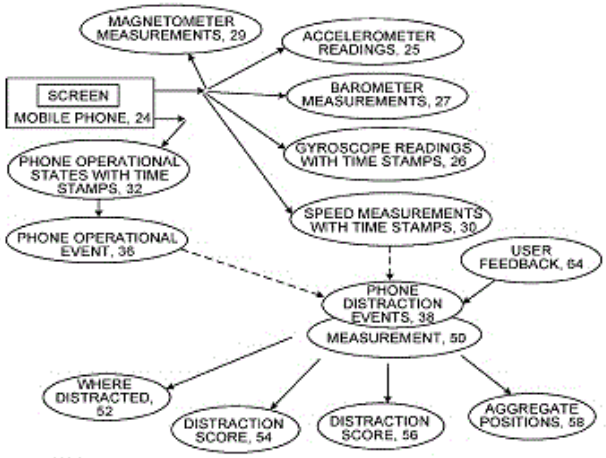


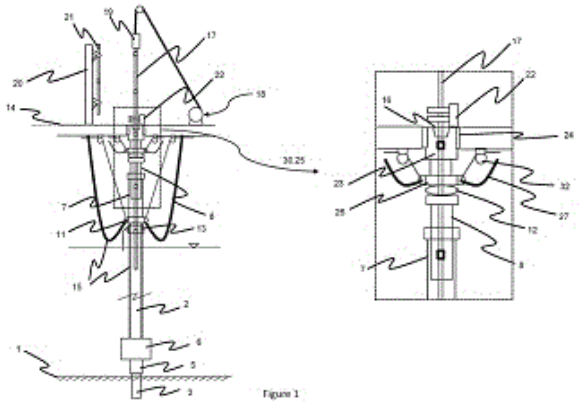
FIG. 1

21: 2021/08011. 22: 2021/10/19. 43: 2023/09/08
51: E21B
71: ODFJELL DRILLING AS
72: STANGHELLE, RUNE, KLEPSVIK, HÅKON, BORSHOLM, THOMAS, LUND, PER
33: NO 31: 20190492 32: 2019-04-10

54: A HEAVE COMPENSATING SYSTEM FOR A FLOATING DRILLING VESSEL

00: -

The present invention is directed to a heave compensating system for a floating drilling vessel. The system comprises: - a rig floor of the floating drilling vessel, - a drilling riser attached to a well via a wellhead, - a tubular extending through an opening of the rig floor, - a slips for holding the tubular, - a top drive and/or an elevator for holding the tubular at an upper end, - a telescopic joint comprising an outer barrel and an inner barrel, wherein the outer barrel is connected to a wellhead, and the inner barrel is telescopically arranged inside the outer barrel, - a riser tensioning system arranged between the drilling riser and the floating drilling vessel, wherein the heave compensating system comprises a draw work heave compensating system arranged between the top drive and/or elevator and the rig floor, and a slips heave compensating system for heave compensation of the slips, wherein the heave compensating systems may be synchronized, compensating for the floating drilling vessel's heave movement.

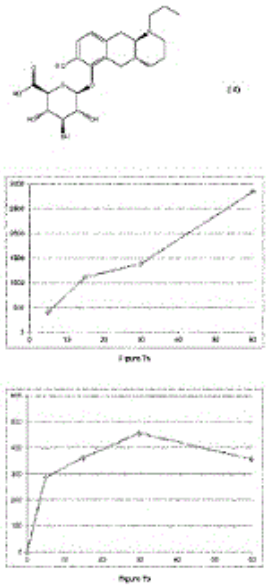


21: 2021/08164. 22: 2021/10/22. 43: 2023/09/08
51: C07D; A61P; A61K
71: H. LUNDBECK A/S
72: JUHL, MARTIN, THERKELSEN, FRANS DENNIS, FRIHED, TOBIAS GYLLING
33: DK 31: PA201900636 32: 2019-05-24
33: DK 31: PA201900599 32: 2019-05-20

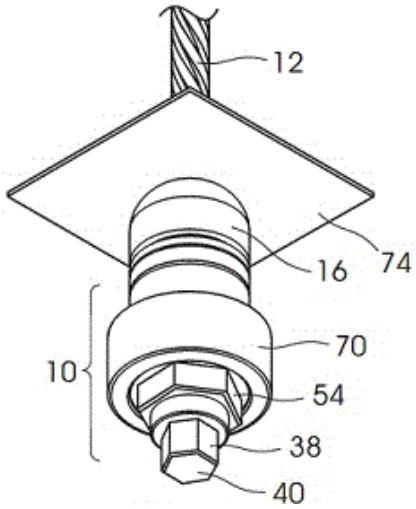
54: A PROCESS FOR THE MANUFACTURE OF (2S,3S,4S,5R,6S)-3,4,5-TRIHYDROXY-6-(((4AR,10AR)-7-HYDROXY-1-PROPYL-1,2,3,4,4A,5,10,10A-OCTAHYDROBENZO[G]QUINOLIN-6-YL)OXY)TETRAHYDRO-2H-PYRAN-2-CARBOXYLIC ACID

00: -

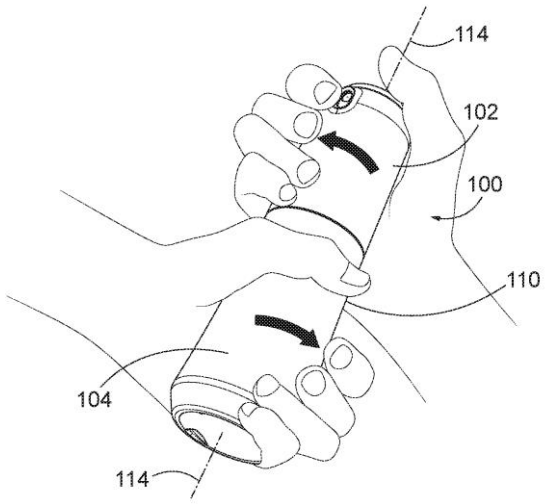
The present invention relates to a process for manufacturing (2S,3S,4S,5R,6S)-3,4,5- trihydroxy-6-(((4aR,10aR)-7-hydroxy-1-propyl-1,2,3,4,4a,5,10,10a- octahydrobenzo[g]quinolin-6-yl)oxy)tetrahydro-2H-pyran-2-carboxylic acid with the formula (Id) below and salts thereof. The compound of formula (Id) is a prodrug of a catecholamine for use in treatment of neurodegenerative diseases and disorders such as Parkinson's Disease. The invention also relates to new intermediates of said process.



21: 2021/08293. 22: 2021/10/27. 43: 2023/09/06
51: E21D
71: MOHLALEFI (PTY) LTD.
72: MASITISE, MARTIN NARE
33: ZA 31: 2020/06665 32: 2020-10-27
54: TENSIONING SYSTEM
00: -
A tensioning mechanism, typically used with a barrel and wedge anchor system. The tensioning mechanism is provided for exerting forces on first and second objects in opposing directions. The mechanism comprises a first body retained relative to the first object by a first retaining formation, such that a torque in a first direction and/or an axial force applied to the first body are transferred to the first object. The first body further comprises a first input formation and a substantially cylindrical portion with a first external thread having a second directional orientation. The mechanism also comprises a second body received on the first external thread, and furthermore comprising a second input formation and a first contact surface for directly or indirectly exerting an axial force on the second object when a torque is applied to the second input formation in a second direction.

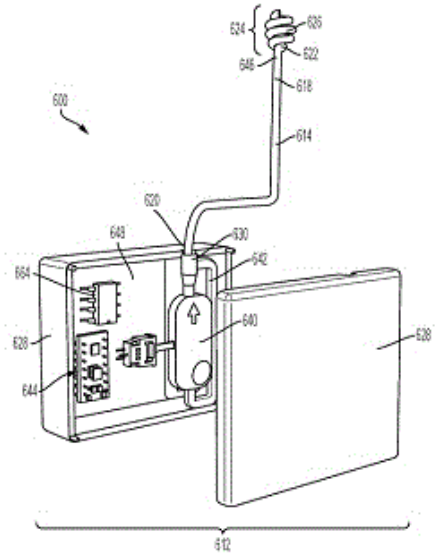


21: 2021/08304. 22: 2021/10/27. 43: 2023/09/18
51: B05B
71: ALTERNATIVE PACKAGING SOLUTIONS, LLC
72: BARRON, Brad, HARVEY-COOK, Adam, Moyo, JAMES, Aled, Meredydd, THOMPSON LOUTH, Thomas, Henry, EDWARDS, Matthew, James
33: US 31: 62/843,625 32: 2019-05-06
54: SPRAY DEVICE AND METHODS OF ASSEMBLY AND USE
00: -
A spray device includes a bottle portion, a sleeve, and an engine. The engine includes a spring that when compressed pressurizes a chamber containing a dispensable amount of fluid from the bottle portion. The sleeve and the engine are configured to be torquable onto the bottle without compressing the spring. Rotation of the sleeve relative to the bottle by a user pressurizes a chamber containing fluid from the bottle. Auditory and/or tactile feedback is provided to the user during rotation of the sleeve thereby allowing the user to select an amount of the fluid to be dispensed. The engine includes a main spring that when compressed pressurizes a chamber containing a dispensable amount of fluid from the bottle. The spring is enclosed between a cup and a cap, which have been fused together.



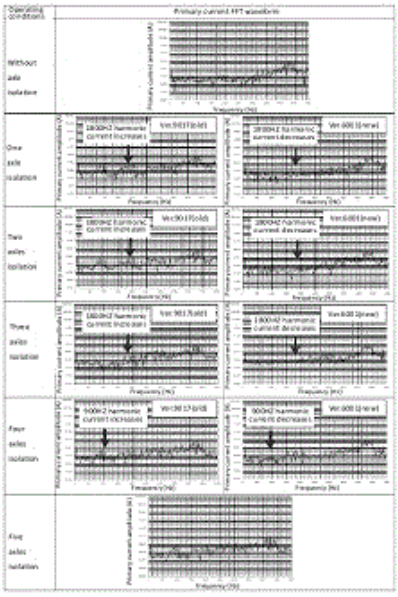
21: 2021/08348. 22: 2021/10/28. 43: 2023/09/08
51: C12N; A61K; A61P
71: ALNYLAM PHARMACEUTICALS, INC.
72: FOSTER, DONALD, HINKLE, GREGORY, SCHLEGEL, MARK K
33: US 31: 62/727,141 32: 2018-09-05
33: US 31: 62/816,996 32: 2019-03-12
33: US 31: 62/671,094 32: 2018-05-14
54: ANGIOTENSINOGEN (AGT) IRNA COMPOSITIONS AND METHODS OF USE THEREOF
00: -
The present invention relates to RNAi agents, e.g., double stranded RNA (dsRNA) agents, targeting the AGT gene. The invention also relates to methods of using such RNAi agents to inhibit expression of an AGT gene and to methods of preventing and treating an AGT-associated disorder, e.g., high blood pressure.

21: 2021/08375. 22: 2021/10/28. 43: 2023/09/08
51: A61M
71: ROIVIOS LIMITED
72: ERBEY II, JOHN R, CAHILL, ANDREW, HOANG, ALAN, SERGENT, OLIVIA, UPPERCO, JACOB L, ZANG, JENNY, ORR, DAVID E
33: US 31: 62/837,513 32: 2019-04-23
54: PUMP ASSEMBLY AND SYSTEM FOR INDUCING NEGATIVE PRESSURE IN A PORTION OF A URINARY TRACT OF A PATIENT
00: -
A pump assembly for increasing urine output from a patient includes at least one ureteral catheter including: a distal portion having a retention portion configured to be positioned in a patient's kidney, renal pelvis, and/or ureter; and a proximal portion defining a drainage lumen. The retention portion includes at least one drainage port which permits fluid flow into the drainage lumen. The pump assembly further includes a pump configured to provide negative pressure to at least one of the renal pelvis or kidney through the drainage lumen of the at least one ureteral catheter. The pump includes at least one fluid port in fluid communication with the drainage lumen of the proximal portion of the ureteral catheter for receiving fluid from the patient's kidney, wherein at least a portion of the pump is configured to be positioned within a patient's body.



21: 2021/08380. 22: 2021/10/28. 43: 2023/09/08
51: B61C; B60M; H02J
71: CRRC DALIAN CO., LTD.
72: ZHOU, TIANXIANG, HOU, QIANG, TAO, HONGJIE, ZHANG, YANMIN, LIU, HUORAN, CHEN, YUYANG
33: CN 31: 202011325503.8 32: 2020-11-24
54: METHOD AND SYSTEM FOR SUPPRESSING AN ELECTRIC LOCOMOTIVE FROM GENERATING HIGH-ORDER HARMONICS AFTER AXLE ISOLATION
00: -
A method for suppressing an electric locomotive from generating high-order harmonics after axle isolation, a control system and an electric locomotive are disclosed. When any axle is isolated, phases for rectifiers of the remaining working axles are redistributed. The present disclosure redistributes the phases for the remaining axles after the axle

isolation, effectively suppressing the high-order harmonics generated during cutting-axle operation, and thereby effectively avoiding the adverse consequences caused by the resulting increase in the voltage under the power supply arm due to the high-order harmonics.



21: 2021/08762. 22: 2021/11/08. 43: 2023/09/08
51: C09C; A61K; A61Q
71: OMYA INTERNATIONAL AG
72: KELLER, TOBIAS, BUDDE, TANJA, RENTSCH, SAMUEL
33: EP 31: 19172523.3 32: 2019-05-03
33: EP 31: 20164389.7 32: 2020-03-20
54: SURFACE-TREATED MAGNESIUM OR CALCIUM ION-CONTAINING MATERIALS AS WHITE PIGMENTS IN ORAL CARE COMPOSITIONS
00: -
The present invention relates to a surface-treated magnesium ion-containing material obtained by treating the surface of a magnesium ion-containing material with one or more compound(s) selected from the group consisting of phosphoric acid, a polyphosphate, a carboxylic acid containing up to six carbon atoms, a di-, and tri-carboxylic acid containing up to six carbon atoms where the carboxylic acid groups are linked by a chain of 0-4 intermittent carbon atoms, a water-insoluble polymer, a water-insoluble wax, a silicate- and/or aluminate-group containing compound, and a corresponding salt thereof. The invention further relates to an oral care composition comprising a surface-treated magnesium ion-containing material and/or a surface-treated calcium ion-containing material, as well as the use of a surface-treated magnesium ion-containing material and/or a surface-treated calcium ion-containing material as opacifying agent and/or whitening pigment or for improving the availability of fluoride ions in oral care compositions.

21: 2021/08906. 22: 2021/11/10. 43: 2023/09/06
51: B64D; F01D
71: AERO INNOVATIONS LLC
72: MILLS, JAMES M
33: US 31: 62/832,655 32: 2019-04-11
54: AIRCRAFT ENGINE ADAPTER SYSTEM
00: -
An aircraft engine mounting system to retrofit an aircraft engine from one aircraft type to another in a manner suitable for approved flight. The system includes a circular member having longitudinal securement members extending therefrom to attach the circular member to an inner surface of the fuselage of an aircraft. The circular member in turn has mounting members configured to receive an aircraft engine to retrofit the engine from a first aircraft to a second aircraft.

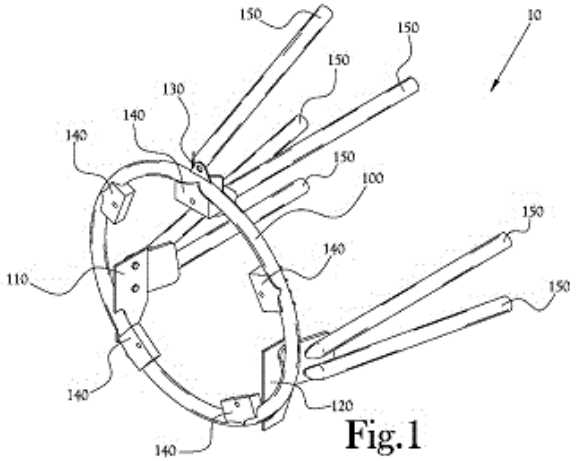


Fig.1

21: 2021/08965. 22: 2021/11/11. 43: 2023/10/16
51: A01N; C05B; C05D; A01P
71: YARA UK LIMITED
72: WARD, Stuart, BROWN, Jonathan, QUIGNON, Caroline
33: GB 31: 1908025.8 32: 2019-06-05
54: CHEMICAL COMPOSITION FOR SEED TREATMENT

00: -
A liquid composition the treatment of seeds of leguminous crops is disclosed. The liquid composition comprises phosphorus, molybdenum, cobalt and a solvent, wherein cobalt is present as vitamin B12 and the composition has a pH between 6.0 and 7.5, and wherein the composition comprises monoethanolamine. A method of preparing seeds of leguminous crops is also disclosed, comprising the steps of coating the seeds with the liquid composition, coating the seeds with a composition comprising a rhizobia inoculant, and drying the seeds coated with both compositions.

21: 2021/09166. 22: 2021/11/17. 43: 2023/09/06
51: G06Q
71: VAST PROFESSIONAL CONSULTING (PTY) LTD.
72: NAIDOO, TRISHAN
33: ZA 31: 2020/06950 32: 2020-11-09
54: AN EDUCATION FOCUSED INCOME AID
00: -
An education focussed income aid, in the form of a system and method for facilitating the providing of tuition payments at an educational institution in respect of or on behalf of a first person. The system comprises a pool account for holding a pool of funds; a database having stored therein, information pertaining to a first member associated with the first person; and a payment module. The information includes a payment schedule including details of a plurality of membership payments to be made into the pool account during an initial term. The module is configured, during a predetermined fixed term, which follows after the initial term has elapsed, to make one or more tuition payments directly or indirectly from the pool account in order, at least partially, to cover costs associated with tuition of the first person at the educational institution.

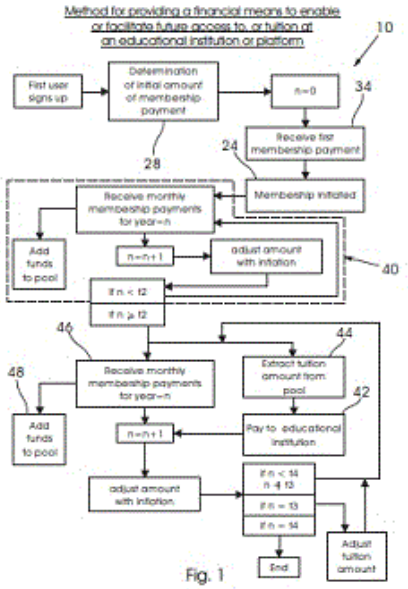
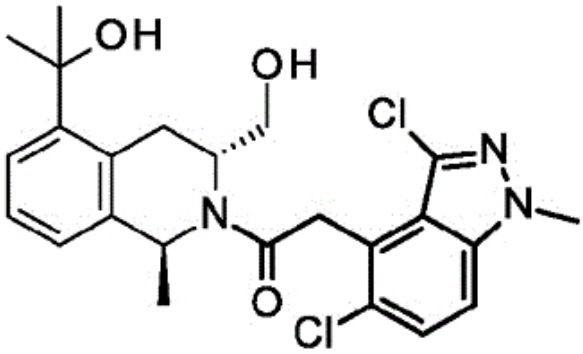


Fig. 1

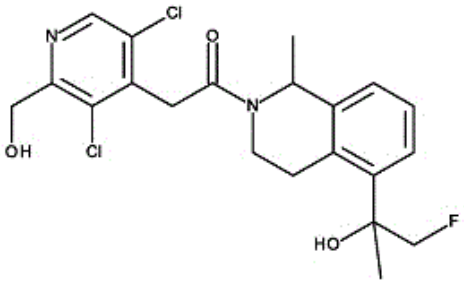
21: 2021/09193. 22: 2021/11/17. 43: 2023/09/08
51: A61K; A61P; C07D
71: UCB BIOPHARMA SRL
72: ATES, ALI, SKOLC, DAVID
33: EP 31: 19183643.6 32: 2019-07-01
54: A SUBSTITUTED TETRAHYDROISOQUINOLINE DERIVATIVE AS A D1 POSITIVE ALLOSTERIC MODULATOR
00: -
The present invention relates to compound according to formula (I), (I) which is a positive allosteric modulator of D1 and accordingly of benefit as pharmaceutical agent for the treatment of diseases in which D1 receptors play a role.



(I)

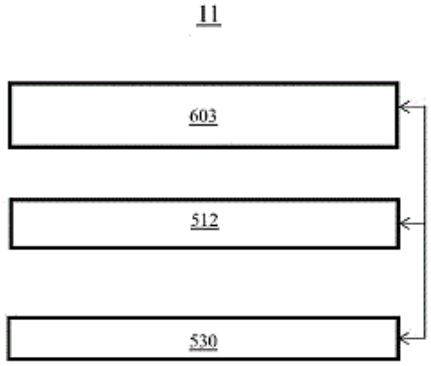
21: 2021/09194. 22: 2021/11/17. 43: 2023/09/08

51: A61K; A61P; C07D
71: UCB BIOPHARMA SRL
72: VALADE, ANNE
33: EP 31: 19183641.0 32: 2019-07-01
54: A SUBSTITUTED TETRAHYDROISOQUINOLINE DERIVATIVE AS A D1 POSITIVE ALLOSTERIC MODULATOR
00: -
The present invention relates to compounds according to formula (I), which are a positive allosteric modulators of D1 and accordingly of benefit as pharmaceutical agents for the treatment of diseases in which D1 receptors play a role.



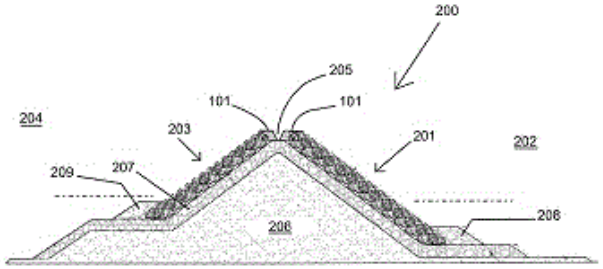
(I)

21: 2021/09357. 22: 2021/11/22. 43: 2023/09/08
51: H04W; G01S; G07C; H04B
71: CARNIVAL CORPORATION
72: PADGETT, JOHN, JUNGEN, MICHAEL G, STEELE, DOUGLAS, PRESTENBACK, KYLE, CRIADO, RICHARD J, BALL, VINCE, LEONARDS, ADAM, CURTIS, GLENN, VELLON, MANNY, MENDIUK, PATRICK, LAM, SANDER
33: US 31: 17/111,313 32: 2020-12-03
33: US 31: 63/005,147 32: 2020-04-03
33: US 31: 17/067,468 32: 2020-10-09
54: WIRELESS DEVICE AND METHODS FOR MAKING AND USING THE SAME
00: -
A guest engagement system and associated methods provide seamless engagement with guests of facilities through the use of wireless sensing technologies. The system makes use of individual guest devices which are carried by guests and used to automatically identify and authenticate the guests throughout the facility. Services can thereby be seamlessly provided to the guests throughout the facility. The services include contact tracing, automatic unlocking of doors, including hotel or state room doors, based on the guests' immediate proximity to their assigned room's door. The services also include automated payment services provided at checkout or vending terminals, and automated log-on to interactive displays and portals, among others, based on secure wireless authentication of the guest devices. The guest devices can each include a device health sensor configured for measuring at least one health function of a user wearing the guest device.

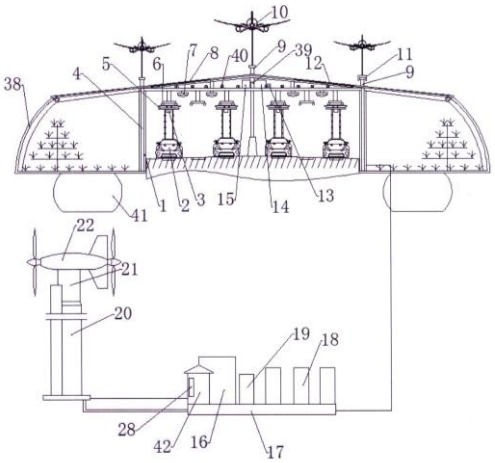


21: 2021/09359. 22: 2021/11/22. 43: 2023/09/08
51: E02B
71: KONINKLIJKE BAM GROEP N.V.
72: REEDIJK, JAN SEBASTIAAN, JACOBS, ROBERT PIETER MICHAËL, BAKKER, PIETER BASTIAAN
33: NL 31: 2023195 32: 2019-05-24
54: CREST ELEMENT FOR A BREAKWATER, ARMOUR LAYER ASSEMBLY FOR A BREAKWATER, BREAKWATER, METHOD OF CRESTING A BREAKWATER, AND METHOD OF PROVIDING AN ARMOUR ON A BREAKWATER
00: -
The invention concerns a crest element in an armour layer assembly of a breakwater. The crest element comprises: a central part; two wings extending from the central part in opposing directions along, when placed on a breakwater, the length direction of the breakwater; and a nose extending from the central part in a forward direction transverse to the length direction of the breakwater. The backside of the central part is a vertically oriented, back face facing in a backward direction opposite to the forward direction. The crest element may in particular be used as crest element for armour layers comprising armour elements of the type having a central part from which: two wings extend in opposing directions, and a tail and nose extend in opposing directions transverse to the direction of extension of the wings.

The invention further concerns an armour layer, a breakwater and methods using the crest elements.



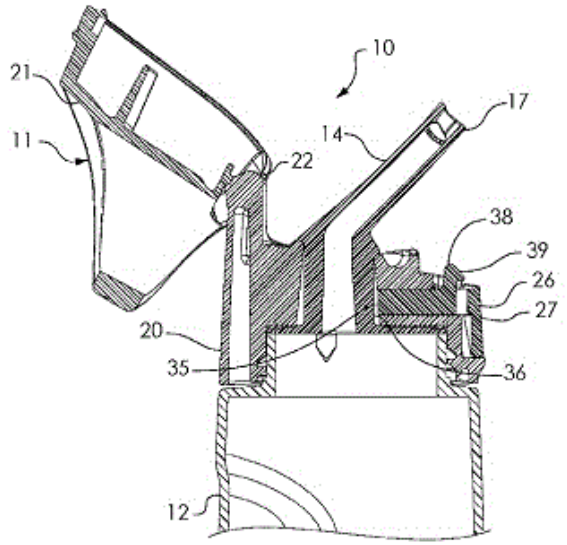
21: 2021/09788. 22: 2021/11/30. 43: 2023/11/13
51: H02S
71: ALPINE ALA TECHNOLOGIES OF SHANGHAI CO., LTD.
72: Zhu Dalu, Gong Mao
33: CN 31: 2019106436360 32: 2019-07-17
54: WIND, PV, BIOMASS ENERGY STORAGE, SUPPLYING AND RECHARGING FOR SMART ELECTRICAL TRANSPORTING SYSTEM
00: -
Wind, PV, biomass energy storage, supplying and recharging for smart electrical transporting system is disclosed, it solves the comprehensive needs of road-vehicle dialogues such as the sensing, collection, transmission, decision-making, and feedback of various signals and information between people, vehicles, roads, and aircraft in the fast-moving state of electric vehicles, and rational use of renewable energy Hydrogen production, oxygen production, biogas production, hydrogen storage, oxygen storage, biogas storage, power storage and energy storage, and most of them are restored to power back to the grid, which facilitates the popularization of electric transportation tools, and still retains the location of charging piles for pure battery vehicles Hydrogen fuel cell vehicles are filled with compressed hydrogen gas, and oil-fired gas vehicles are filled with compressed biogas. The humanized and gradual reduction in the use of fuel vehicles, reduces greenhouse gas emissions, and reduces the trouble of waste battery disposal. It is a good plan to reduce pollution and improve the environment.



21: 2021/10052. 22: 2021/12/06. 43: 2023/09/27
51: A61K; A61P
71: SQUARE POWER LTD
72: DANEK, Ivan
33: EP 31: 19020318.2 32: 2019-04-30
54: REBAMIPIDE FOR USE IN PREVENTION AND / OR TREATMENT OF SYNUCLEINOPATHIES
00: -
The present invention provides rebamipide for use in a method of prevention and/or treatment of a synucleinopathy, in particular of Parkinson´s disease. In particular, rebamipide is used in prevention and/or treatment of a synucleinopathy in a person suffering from increased intestinal permeability or in a person who is at risk of increased intestinal permeability.

21: 2021/10116. 22: 2021/12/07. 43: 2023/09/08
51: B65D; A47G
71: B.BOX FOR KIDS DEVELOPMENTS PTY LTD
72: EGOROV, MIROSLAV, TJERNBERG, LISA EDLUND, AMATOURY, SYLVAIN JACQUES
33: AU 31: 2019203320 32: 2019-05-13
54: DRINK BOTTLE
00: -
A drink bottle (10) comprising a container (12) for containing a liquid and a removable lid (11). The lid (11) being removably connected to an open end of the container (12). A resiliently flexible drinking spout or straw assembly (14) being mounted in the lid (11) for extraction of liquid from within the container. An actuator (26) for actuating a function of the drink bottle (10), being slidably mounted to the lid for sliding movement between a home position and an actuation position. The actuator (26) having a push face (27) accessible from outside the lid (11) for

receiving finger pressure for displacing the actuator (26) from the home position toward the actuation position for performing a function of the drink bottle (10). The actuator (26) having a bearing surface (35) in bearing engagement with the spout or straw assembly (14) such that movement of the actuator (26) from the home position towards the actuation position resiliently deforms the spout or straw assembly (14) and by the resilient deformation the actuator (26) is biased towards the home position.



21: 2021/10132. 22: 2021/12/08. 43: 2023/09/06
51: F01P; F23D
71: AIR PRODUCTS AND CHEMICALS, INC.
72: GAO, CHENGMING, QU, QIANG, QUAN, XIAOMING, ZHOU, QIONG, CHENG, JIAN, KIFFER, MICAH, SRIPADA, RAJESHWAR, CHAN, HENRY, RAMACHANDRAN, GANESAN
33: US 31: 17/121,937 32: 2020-12-15
54: COOLING JACKET FOR GASIFICATION BURNER
00: -
A feed injector for a gasifier comprising a burner and a cooling jacket to protect the burner from high temperatures. The cooling jacket comprises two concentric channels in order to provide a flow path for a heat transfer fluid, typically water, to travel through one channel toward the burner front, travel along the burner front, and return through the other channel. Heat transfer in the cooling jacket is improved by introducing one or more fins in the path of the heat transfer fluid and/or by increasing the radius of curvature of the wall corner bordering the flow recirculation zone in the cooling jacket.

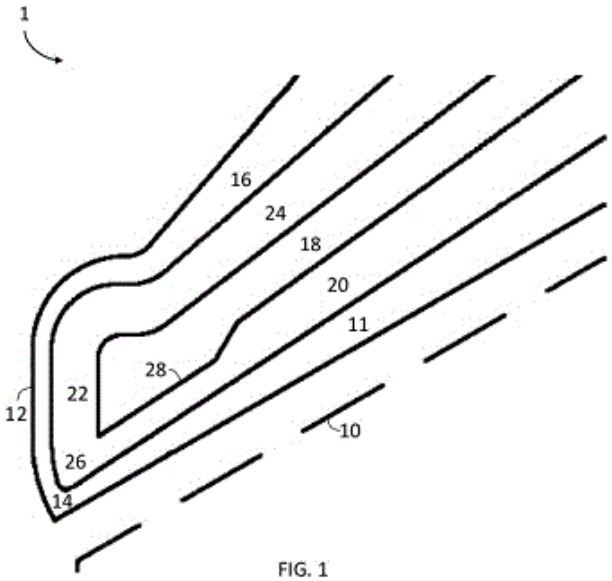
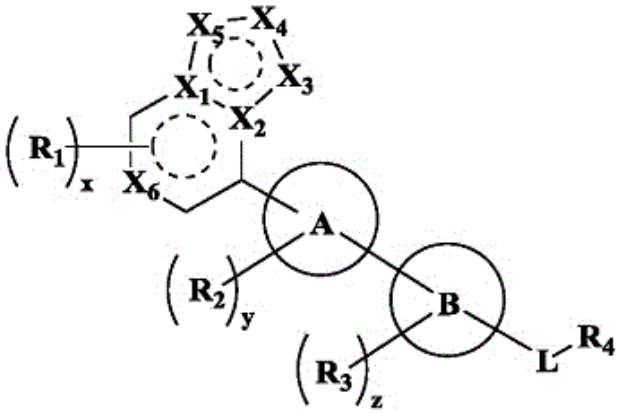


FIG. 1

21: 2021/10341. 22: 2021/12/13. 43: 2023/10/02
51: A61K
71: L'OREAL
72: ROLFES, Heidi, AKAKIOS, STEPHANIE, BOGNOUNOU, ANGELINA
54: EMULSION WITH ALPHA-HYDROXY ACID, UV FILTER AND POLYMER
00: -
The present invention concerns a cosmetic composition, which is an oil-in-water emulsion, comprising an aqueous phase comprising at least one alpha-hydroxy acid, and an oily phase comprising at least one UV filter and at least one polymer selected from homopolymers of 2-acrylamido-2-methylpropane sulfonic acid and one of its salts. It also relates to a cosmetic process for caring keratin materials such as skin, comprising applying said composition onto said keratin materials.

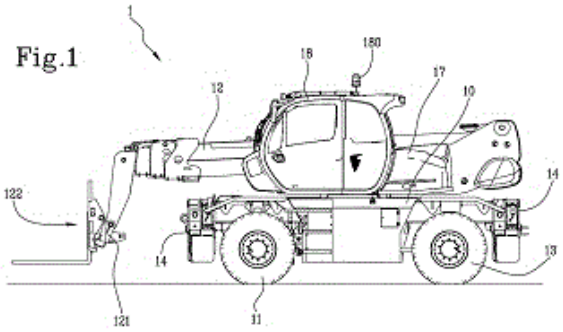
21: 2021/10357. 22: 2021/12/13. 43: 2023/09/08
51: C07D; A61K; A61P
71: SHANGHAI HANSOH BIOMEDICAL CO., LTD., JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.
72: SU, YIDONG, WANG, JUN, BAO, RUDI
33: CN 31: 201910400013.0 32: 2019-05-14
33: CN 31: 201910816375.8 32: 2019-08-30
33: CN 31: 202010177893.2 32: 2020-03-13

33: CN 31: 201910895078.7 32: 2019-09-20
33: CN 31: 201910615987.0 32: 2019-07-09
54: INHIBITOR CONTAINING BICYCLIC DERIVATIVE, PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
Provided are an inhibitor containing a bicyclic derivative, a preparation method therefor and the use thereof. In particular, involved are a compound shown by general formula (I), a preparation method therefor, a pharmaceutical composition thereof, and the use thereof as an RET inhibitor in the treatment of cancers, inflammations, chronic liver diseases, diabetes, cardiovascular diseases, AIDS, and other related diseases, wherein each substituent in general formula (I) has the same definition as that given in the description.

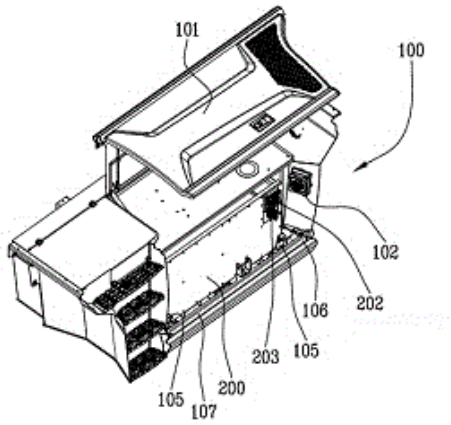


(I)

21: 2021/10395. 22: 2021/12/14. 43: 2023/09/06
51: B60J
71: MANITOU ITALIA S.R.L.
72: IOTTI, MARCO
33: IT 31: 102020000032828 32: 2020-12-30
54: TELEHANDLER WITH FACILITATED ALIGNMENT ADJUSTMENT
00: -
Described is a telehandler (1) comprising a plurality of operating apparatuses (12, 14, 17, 13, 180, 122), such as, for example, a telescopic operating arm, stabilizers or the like, each operated by one or more actuator devices (19) and electronic processing means (2) which include an acquisition module (21) configured to receive one or more alignment parameters which represent, for the operating apparatuses (12, 14, 17, 13, 180, 122), respective target operating conditions. The telehandler (1) includes detection means (4) for detecting current operating conditions of the operating apparatuses (12, 14, 17, 13, 180, 122) and transmitting corresponding detection signals to the processing means (2), the latter also including a verification module (22) configured to determine, as a function of the detection signals, whether the operating apparatuses (12, 14, 17, 13, 180, 122) are in the respective target operating conditions.



21: 2021/10396. 22: 2021/12/14. 43: 2023/09/06
51: B60J
71: MANITOU ITALIA S.R.L.
72: IOTTI, MARCO
33: IT 31: 102020000032532 32: 2020-12-28
54: IMPROVED ELECTRIC TELEHANDLER
00: -
Described is an electrically powered telehandler equipped with an electric motor, a containment compartment (100) for receiving an electric battery (200) for powering the motor. An electric battery (200) which can be inserted in and removed from the compartment (100). The compartment (100) is equipped with an access opening to allow replacement of the battery (200) and guide means for the sliding of the battery (200) during insertion and extraction.



21: 2021/10888. 22: 2021/12/23. 43: 2023/09/08
51: C03B; C03C
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: PINC, WILLIAM, VEMPATI, UDAYA
33: US 31: 16/590,079 32: 2019-10-01
54: UTILIZATION OF SULFATE IN THE FINING OF SUBMERGED COMBUSTION MELTED GLASS
00: -
A method of producing and fining glass includes monitoring a temperature of a molten glass bath (24) contained within a fining chamber (72) of a fining vessel (14) and, based on the monitored temperature, controlling an amount, of a sulfate chemical fining agent, added into a glass melt (18) contained within an interior reaction chamber (30) of an upstream submerged combustion melter (12) that feeds the fining vessel (14). The temperature of the molten glass bath (24) may be determined within a temperature indication zone (118) that encompasses a subsurface portion (120) of the molten glass bath (24) that lies adjacent to a floor (76) of a housing (70) of the fining vessel (14). By monitoring the temperature of the molten glass bath (24) and controlling the amount of the sulfate chemical fining agent added to the glass melt (18) of the submerged combustion melter (12), the wasteful use of the sulfate chemical fining agent can be minimized and the fining process rendered more efficient.

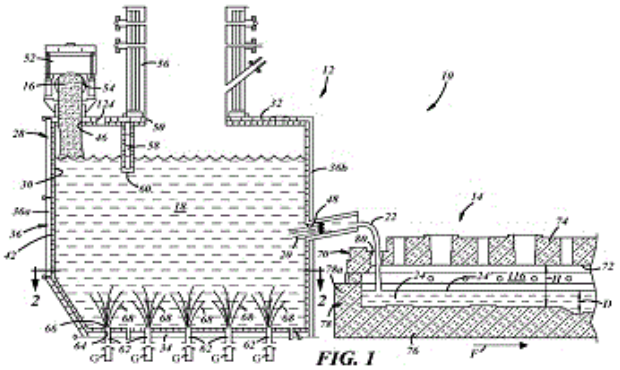


FIG. 1

21: 2021/10891. 22: 2021/12/23. 43: 2023/09/08
51: C03B
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: WANG, ZHONGMING, WEIL, SCOTT
33: US 31: 16/668,115 32: 2019-10-30
54: FINING GLASS USING HIGH TEMPERATURE AND LOW PRESSURE
00: -
A glass fining system (10), glass fining device (12), and method are disclosed. The glass fining device (12) in accordance with one aspect of the disclosure includes at least one heated orifice (20) through which molten glass (16) flows from a glass melter (14) to produce at least one superheated glass stream (24); and a low-pressure chamber (28) disposed downstream from the heated orifice (20), where the at least one superheated glass stream (24) flows from the at least one heated orifice (26) and into the low-pressure chamber (28), and where the low-pressure chamber (28) surrounds the at least one superheated glass stream (24). In some embodiments, the low- pressure chamber (28) may include at least one surface extender (30).

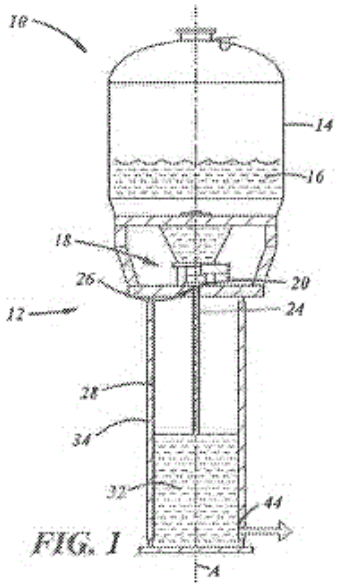
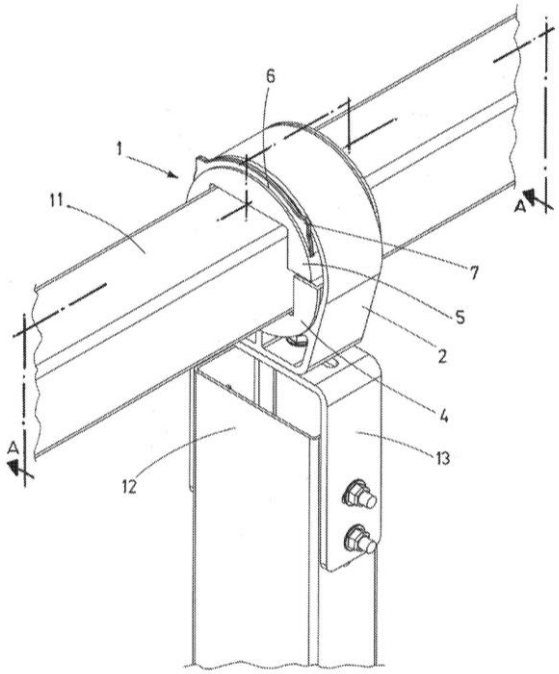


FIG. 1

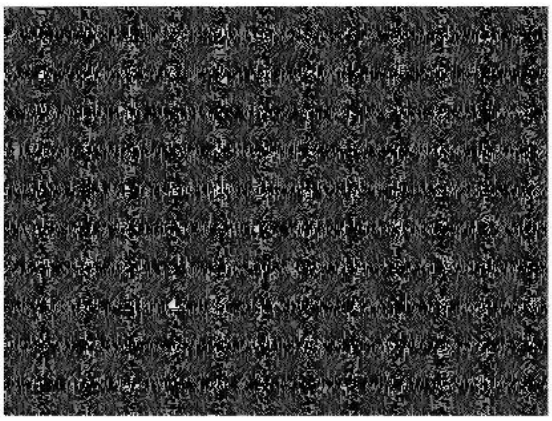
21: 2022/00174. 22: 2022/01/03. 43: 2023/09/04
51: C07K
71: PEACOCK BIOTHERAPEUTICS LIMITED
72: OWEN, CHARLES, BEAVIL, ANDREW, BEAVIL, REBECCA
33: GB 31: 1908108.2 32: 2019-06-06
54: ANTI-IGE CONSTRUCT
00: -
The present disclosure provides a protein construct comprising: a) at least two monomers each of which comprises a C-type lectin domain of CD23, wherein each monomer can bind to IgE; and b) an entity which can bind to the neonatal Fc receptor (FcRn); wherein said protein construct comprises a linker, and wherein said linker is used to link said monomer comprising a C-type lectin domain of CD23 to said entity which can bind to FcRn. Therapeutic uses of the constructs, for example in anti-IgE therapy or for use in the treatment or prevention of an IgE related disease or condition are also provided.

21: 2022/00175. 22: 2022/01/03. 43: 2023/09/04
51: F16C; F24S
71: KTRSOLAR TECH, S.L.
72: ACHAERANDIO FERNÁNDEZ, Álvaro, JIMÉNEZ DE LA CRUZ, Andrés, SERRANO PIRIS, Francisco
33: ES 31: P201930597 32: 2019-06-27
54: ROTATING SUPPORT DEVICE FOR A TORSION BEAM
00: -
The present invention relates to a rotating support device for a torsion beam, which can be coupled to a support pillar, especially applicable in solar power plant installations, and which reduces the number of parts used and facilitates assembly. The device comprises: a clamp (2) which can be coupled to the support pillar (12), comprising a cylindrical inner area (21); a bushing (3) intended to be positioned inside the clamp (2) and which can rotate together with the torsion beam (11) with respect to the clamp (2); and a retaining part (7) which can be coupled in a slot (6) and which, when assembled, protrudes in height with respect to the central sector (51) of the clamp (2).



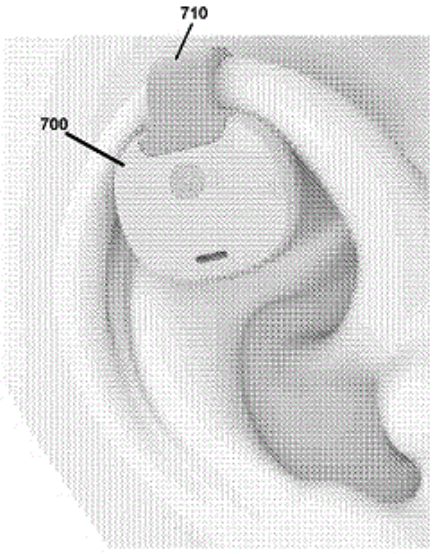
21: 2022/00221. 22: 2022/01/04. 43: 2023/11/07
51: C10G; C10L
71: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.
72: CAIAZZO, Aldo, DE VROOM, Cathelijne, Anneroos, SALOMONS, Claudette, YANKULOV, Plamen
33: US 31: 62/880,374 32: 2019-07-30
54: FUEL COMPOSITIONS WITH ENHANCED STABILITY AND METHODS OF MAKING SAME
00: -
Method to improve or maintain stability and/or compatibility of a residual hydrocarbon fuel comprising: (a) blending at least 5-95 % m/m of a residual hydrocarbon component with at least 5-80%

m/ m of a fatty acids alkyl esters component or (b) blending at least 5-80 % m/m of a fatty acids alkyl esters component with a stable residual fuel composition comprising (i) at least 5-95 % m/m of a residual hydrocarbon component and (ii) up to 90 % m/m of a non- hydroprocessed hydrocarbon, a hydroprocessed hydrocarbon or any combination thereof; wherein the fatty acids alkyl esters component is blended with the stable residual fuel composition before at least one other fuel composition that decreases the asphaltenes solvency power of the residual fuel composition is added thereto.



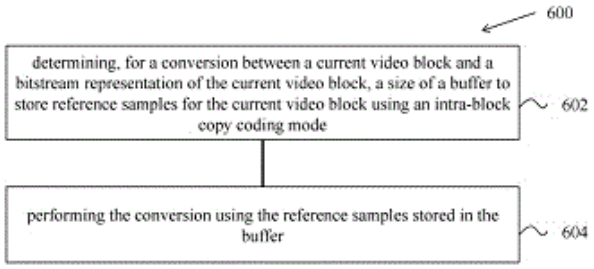
21: 2022/00273. 22: 2022/01/05. 43: 2023/09/04
51: A23C; A61K
71: MARS, INCORPORATED
72: WATSON, ADRIAN
33: EP 31: 19183974.5 32: 2019-07-02
54: ANIMAL FOOD COMPOSITION
00: -
The present disclosure provides an animal food composition comprising a source of glycyrrhizin, in combination with a source of curcuminoids, for use for preventing and/or treating allergic inflammatory skin diseases.

21: 2022/00281. 22: 2022/01/05. 43: 2023/09/04
51: A61B; H04R; G08B
71: OXIWEAR, INC.
72: FERNANDO, SHAVINI
33: US 31: 62/862,316 32: 2019-06-17
54: WEARABLE EARPIECE OXYGEN MONITOR
00: -
An apparatus for monitoring an oxygen saturation level of a wearer of the apparatus includes a processor, a memory operably coupled to the processor, a first housing portion, a second housing portion, and a connection member. The first housing portion includes at least one light-emitting diode (LED), and the second housing portion includes a photodetector. The connection member is mechanically coupled to each of the first housing portion and the second housing portion. The apparatus is sized and shaped to be worn about a portion of an ear of a wearer of the apparatus. During operation, the at least one LED emits light in a direction toward the photodetector. A portion of the emitted light passes through the portion of the ear prior to arriving at the photodetector. The photodetector detects a signal in response to the portion of the emitted light, and the memory stores instructions to cause the processor to calculate an oxygen saturation level of the wearer based on the detected signal.



21: 2022/00289. 22: 2022/01/05. 43: 2023/09/04
51: H04N
71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.
72: XU, JIZHENG, ZHANG, LI, ZHANG, KAI, LIU, HONGBIN, WANG, YUE
33: CN 31: PCT/CN2019/094957 32: 2019-07-06
33: CN 31: PCT/CN2019/095297 32: 2019-07-09
54: VIRTUAL PREDICTION BUFFER FOR INTRA BLOCK COPY IN VIDEO CODING
00: -
A method of visual media processing method includes performing a conversion between a current

video block of a current picture of a visual media data and a bitstream representation of the visual media data. The conversion is based on a reference region from the current picture comprising reference samples used for deriving a prediction block of the current video block. A virtual buffer of a defined size is used for tracking availability of the reference samples for deriving the prediction block.

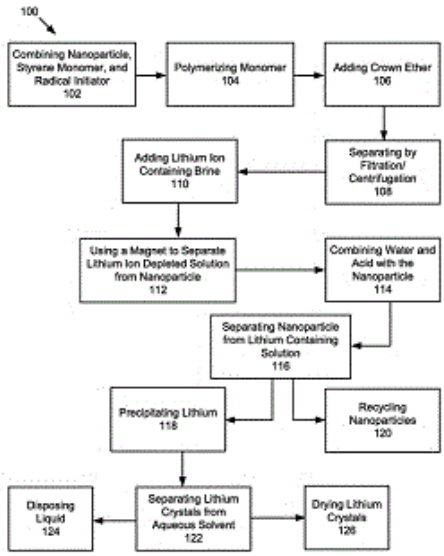


21: 2022/00315. 22: 2022/01/06. 43: 2023/09/06
51: C22B; B22F
71: MOSELLE TECHNOLOGIES, LLC
72: ALBRIGHT, ROBERT L, MEYER, STANLEY M
33: US 31: 62/694,943 32: 2018-07-06

54: METHODS AND COMPOSITIONS FOR RECOVERY OF LITHIUM FROM LIQUID SOLUTIONS WITH NANOPARTICLES

00: -

The present disclosure relates, according to some embodiments, to a method for recovery of lithium ions from a lithium-ion containing liquid, the method comprising the steps of coating a nanoparticle with a styrene monomer; polymerizing the styrene monomer to form a polystyrene-coated nanoparticle; attaching a dibenzo-12-crown-4-ether to the polystyrene-coated nanoparticle to form a lithium adsorbing medium; exposing the lithium ion-containing liquid to the lithium adsorbing medium to form a lithium-rich adsorbing medium; and extracting the lithium ion from the lithium-rich adsorbing medium.

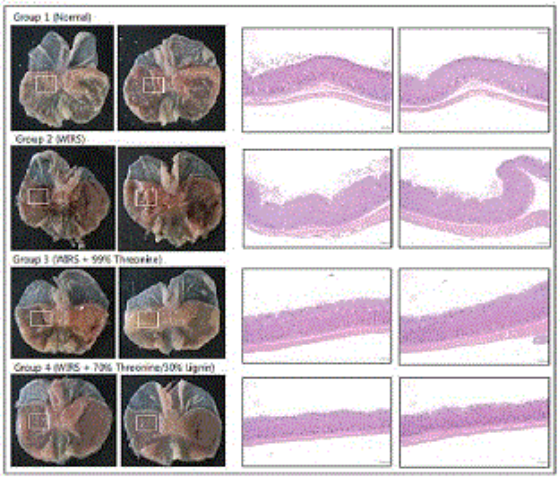


21: 2022/00329. 22: 2022/01/06. 43: 2023/09/06
51: A23K; A61K; A61P; A23L
71: CJ CHEILJEDANG CORPORATION
72: KIM, YANG-SU, LEE, NAHUM, HONG, YOUNG GI
33: KR 31: 10-2019-0071007 32: 2019-06-14

54: COMPOSITION FOR PREVENTING, TREATING, OR IMPROVING GASTROINTESTINAL DISEASES COMPRISING STRAIN OF GENUS CORYNEBACTERIUM AND CULTURE THEREOF

00: -

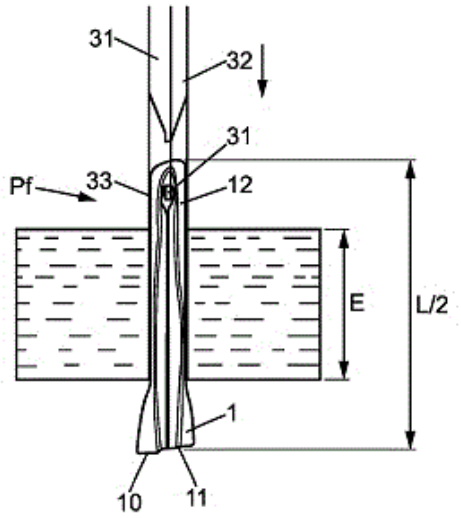
The present application relates to a composition for preventing, improving, or treating gastrointestinal diseases comprising a strain of the genus Corynebacterium, a culture thereof, and threonine. As the composition according to the present application is confirmed to have excellent anti-Helicobacter pylori efficacy in cell experiments, efficacy in improving gastrointestinal diseases in animal experiments, and efficacy in gastric mucus synthesis, the composition can be applied as a pharmaceutical composition for preventing or treating gastrointestinal diseases, as food for preventing or improving gastric ulcers, or as a composition for feed.



21: 2022/00330. 22: 2022/01/06. 43: 2023/09/06
51: A61K
71: INTAS PHARMACEUTICALS LTD.
72: DESAI, JWALANT VIJAYBHAI, SAXENA, MAYANK, JAMLOKI, ASHUTOSH, NAIDU, VENKATARAMANA
33: IN 31: 201921028370 32: 2019-07-15
54: PHARMACEUTICAL COMPOSITION OF IMATINIB
00: -
The present invention relates to a pharmaceutical composition comprising imatinib or its pharmaceutically acceptable salt thereof and one or more pharmaceutical acceptable excipients in powder form, which can be reconstituted with a diluent just before administration. Further, the present invention provides process for the preparation of the said composition and its use for the treatment of cancer in pediatric patients.

21: 2022/00331. 22: 2022/01/06. 43: 2023/09/06
51: A61K; A61P
71: INTAS PHARMACEUTICALS LTD.
72: PATEL, ALKESHKUMAR NARAYANBHAI, PATEL, MANISH MAVJIBHAI, CHAUHAN, MANISHKUMAR JAYANTIBHAI, NAIDU, VENKATARAMANA
33: IN 31: 201921027547 32: 2019-07-10
54: NALTREXONE FORMULATION
00: -
The present invention related to lactose free, stable pharmaceutical composition comprising naltrexone or its pharmaceutically acceptable salt thereof. Further, the present invention provides process for the preparation of the said composition and its use for the treatment of Crohn's disease.

21: 2022/00332. 22: 2022/01/06. 43: 2023/09/06
51: B29C
71: SOCIETE INTERNATIONALE POUR LE COMMERCE ET L'INDUSTRIE, ASCODERO PRODUCTIQUE
72: MARCOVICH, PHILIPPE, SAJET, PHILIPPE, COUVREUR, XAVIER, LESTOQUOY, CHARLES, LAINE, CYRIL
33: FR 31: FR19 07623 32: 2019-07-08
54: METHOD FOR REINFORCING A PANEL AND A METHOD FOR MANUFACTURING A COMPOSITE PANEL IMPLEMENTING SUCH A METHOD
00: -
Method for reinforcing a panel (P) in the direction of its thickness E, comprising: - a step a) of providing an flexible elongate reinforcing element (1) with two longitudinal ends (10, 11) having a length L strictly greater than twice the thickness E of the panel (P), - a step b) of positioning and holding said reinforcing element (1) on one side of the panel, termed the insertion side, - a step c) of gripping the reinforcing element (1), at its middle, on the insertion side, - an insertion step d) in which said reinforcement element, gripped by its middle, is pulled through a bore passing through the panel, by folding the reinforcing element back on itself, and as far as a final position (Pf) in which the two longitudinal ends (10, 11) do or do not extend beyond the bore on the insertion side (Ci), wherein a loop (12) of the reinforcing element does or does not extend beyond the bore on the side of the panel opposite the insertion side.



21: 2022/00334. 22: 2022/01/06. 43: 2023/09/06
51: B65D
71: SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA
72: FALZONI, ALESSANDRO, MAZZOTTI, MARCO
33: IT 31: 102019000011124 32: 2019-07-08
54: A CAP FOR CLOSING A CONTAINER
00: -
A cap for a container comprises a lateral wall (2) extending around an axis (Z) and a transversal wall (3) arranged transversally to the axis (Z), a separating line (4) being provided on the lateral wall (2) to define: • - a retaining ring (5) intended to remain anchored to a neck of the container, and • - a closing element (6) removably engageable with the neck to open or close the container. The separating line (4) extends around the axis (Z) and is circumferentially interrupted for defining a joining portion (8) which joins the retaining ring (5) and the closing element (6). The cap (1) further has an incision line (21) which extends in the lateral wall (2), transversally to the axis (Z), so that the separating line (4) is axially interposed between the retaining ring (5) and the incision line (21). Two connecting bands (29, 30) are defined between the separating line (4) and the incision line (21) to keep the closing element (6) connected to the retaining ring (5).

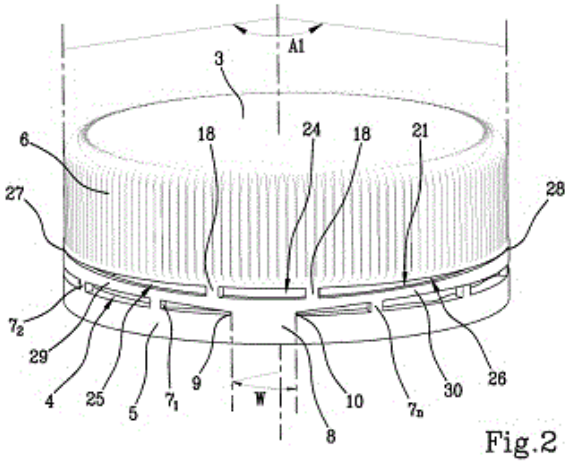
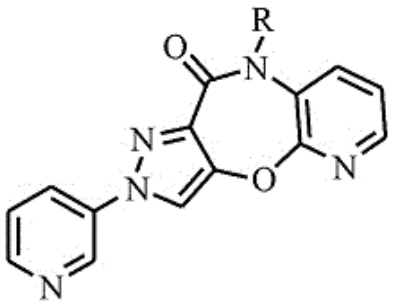


Fig.2

21: 2022/00335. 22: 2022/01/06. 43: 2023/09/06
51: A61K
71: INTAS PHARMACEUTICALS LTD.
72: DESAI, JWALANT VIJAYBHAI, SAXENA, MAYANK, JAMLOKI, ASHUTOSH, NAIDU, VENKATARAMANA
33: IN 31: 201921028629 32: 2019-07-16
54: PHARMACEUTICAL COMPOSITION OF TEMOZOLOMIDE
00: -
The present invention relates to the stable pharmaceutical composition of temozolomide for oral administration. The said pharmaceutical composition is in the form of powder for oral suspension, wherein the said powder is reconstituted with a liquid vehicle just before administration. Further the invention relates to process for the preparation of said pharmaceutical composition and its use thereof.

21: 2022/00405. 22: 2022/01/07. 43: 2023/09/07
51: A01M; A01P; C07B; C07D; A01N
71: NIHON NOHYAKU CO., LTD.
72: HAYASHI, NOBUYUKI, GOSHO, YOSHINORI, AOSHIMA, MASATAKA, SATO, HIROKO
33: JP 31: 2019-147693 32: 2019-08-09
33: JP 31: 2019-231507 32: 2019-12-23
54: OXAZEPINONE DERIVATIVE, INSECTICIDE FOR AGRICULTURAL AND HORTICULTURAL USE CONTAINING SAID DERIVATIVE, AND METHOD FOR USING SAME
00: -
The present invention addresses the problem of providing a novel insecticide for agricultural and horticultural use, the insecticide having a further reduced degree of noxiousness to humans and animals, in agricultural and horticultural crop

production. The present invention solves this problem by providing a compound represented by general formula (1) (in the formula, R is a (C_1-C_6) alkoxy (C_1-C_6) alkyl group) or a salt thereof.



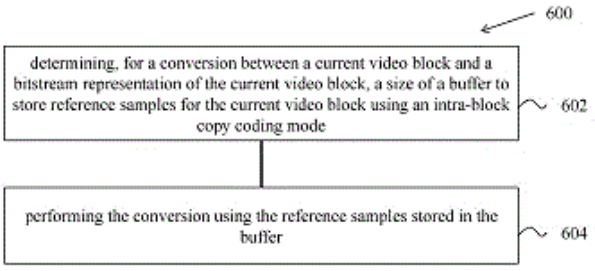
(1)

21: 2022/00455. 22: 2022/01/10. 43: 2023/09/07
51: H04N
71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.
72: XU, JIZHENG, ZHANG, LI, ZHANG, KAI, LIU, HONGBIN, WANG, YUE
33: CN 31: PCT/CN2019/095504 32: 2019-07-10

54: SAMPLE IDENTIFICATION FOR INTRA BLOCK COPY IN VIDEO CODING

00: -

A method of video processing includes maintaining, for a conversion between a current video block of a current picture of a visual media data and a bitstream representation of the visual media data, a buffer comprising reference samples from the current picture for a derivation of a prediction block of the current video block. One or more reference samples in the buffer that are marked unavailable for the derivation have values outside of a pixel value range.



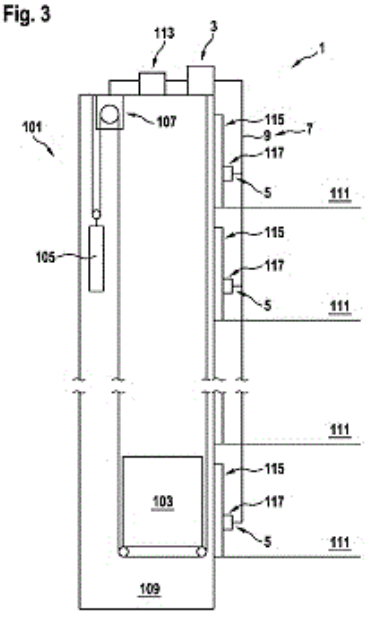
21: 2022/00457. 22: 2022/01/10. 43: 2023/09/07
51: G06F
71: INVENTIO AG
72: HOSEMANN, AXEL, KRUMMENACHER, ANDRÉ
33: EP 31: 19185769.7 32: 2019-07-11

54: METHOD AND DATA NETWORK FOR COMMUNICATING DATA CONTENT, IN PARTICULAR IN AN ELEVATOR SYSTEM

00: -

The invention relates to a method and a data network (1) for communicating data content, in particular in an elevator system. The data network (1) has a master unit (3) and multiple slave units (5) which are interconnected via data communication paths (7) in order to exchange data telegrams (31) consisting of a plurality of bits between one another. The master unit (3) and the slave units (5) are connected together in series in order to form a chain via the data communication paths (7), wherein a data telegram (31) is transmitted from the master unit (3) to a last slave unit (29) on a data forward path (39). The last slave unit (29) starts a data return path (41) in that the last slave unit returns the data telegram (31) back to the master unit (3). The data telegram (31) is modified by the slave units (5) solely while on the data return path (41), and at least one slave unit (5) begins to compile information requested by the master unit (3) immediately after receiving and analyzing the data telegram (31).

Fig. 3

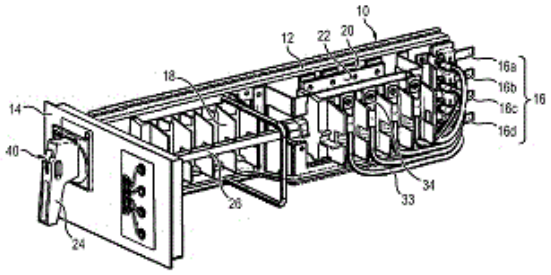


21: 2022/00458. 22: 2022/01/10. 43: 2023/09/07
51: H02B
71: ÉLECTRICITÉ DE FRANCE
72: BANET, LAURENT, GALASSO, ANTOINE, RICHARD MOUNIER, JEAN-YVES
33: FR 31: 1906977 32: 2019-06-26

54: MAINTENANCE DRAWER FOR AN ELECTRICAL DISTRIBUTION SWITCHBOARD

00: -

Disclosed is a drawer comprising a chassis (10) suitable for insertion into an opening in a distribution switchboard, a front façade (14) that closes the opening in the distribution switchboard when the drawer is inserted, and downstream connection terminals (16) intended to be connected to a load, wherein the distribution drawer comprises a plurality of connectors (30) that open onto its front façade (14), each of these connectors being connected to a downstream connection terminal (16) and allowing a measurement apparatus to be connected, and the connection drawer comprising a selector (20) that is actuatable from the front façade (14) and that allows the downstream connection terminals (16) to be connected to and disconnected from an equipotential link.



21: 2022/00513. 22: 2022/01/11. 43: 2023/09/07
51: A61F
71: JOINT INNOVATION TECHNOLOGY, LLC
72: TERMANINI, ZAFER
33: US 31: 15/239,189 32: 2016-08-17

54: SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE

00: -

The present invention generally relates to a thermal treatment device adapted to impart thermal expansion to a part or component of a modular orthopedic prosthesis. In one embodiment there is provided for the thermal treatment device to include an enclosure, and an electromagnetic unit having a primary electromagnetic coil and a secondary electromagnetic coil connected to a heating element which, when the electromagnetic unit is operating, heats a part or component of the modular orthopedic prosthesis present within the enclosure to an elevated temperature which imparts thermal expansion to the part or component. The invention also extends to a method of firmly joining together components of a modular orthopedic prosthesis by securing female part to male parts thereof together.

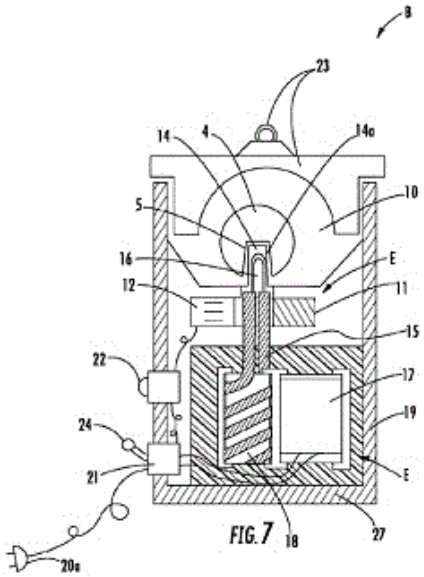


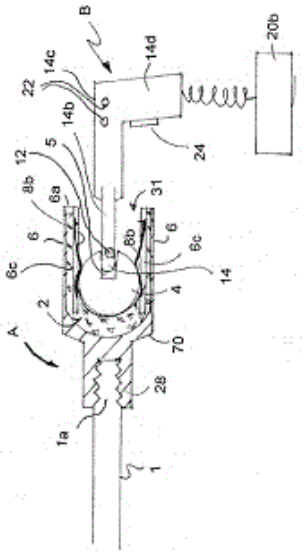
FIG. 7

21: 2022/00514. 22: 2022/01/11. 43: 2023/09/07
51: A61F
71: JOINT INNOVATION TECHNOLOGY, LLC
72: TERMANINI, ZAFER
33: US 31: 15/239,189 32: 2016-08-17

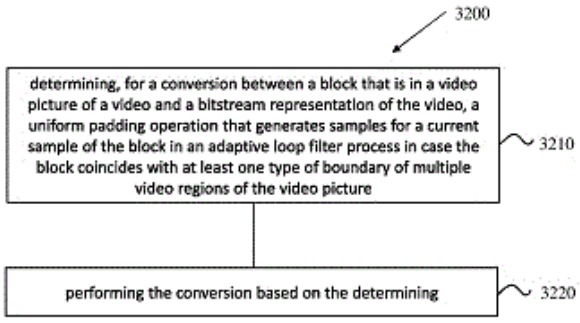
54: SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE

00: -

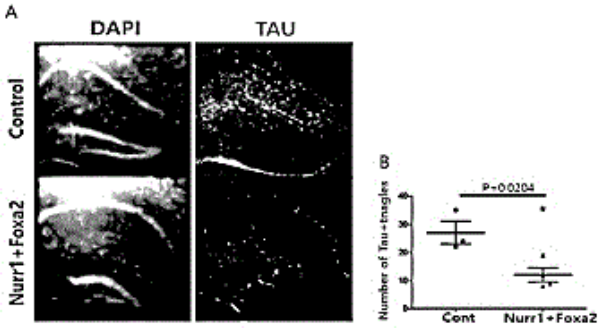
The present invention generally relates to a hand-holdable thermal treatment device adapted to impart thermal expansion to a part or component of a modular orthopedic prosthesis. In one embodiment the device includes an electromagnetic unit having a primary electromagnetic coil and a secondary electromagnetic coil connected to a heating element which, when the electromagnetic unit is operating, heats a part or component of the modular orthopedic prosthesis present within the enclosure to an elevated temperature which imparts thermal expansion to the part or component. The invention also extends to a method of firmly joining together components of a modular orthopedic prosthesis by securing female part to male parts thereof together.



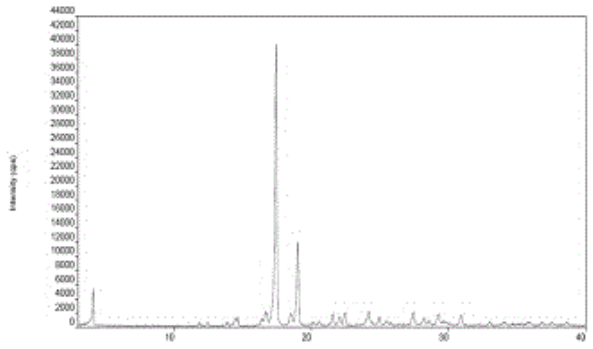
21: 2022/00537. 22: 2022/01/11. 43: 2023/09/07
51: H04N
71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.
72: ZHANG, LI, ZHANG, KAI, LIU, HONGBIN, WANG, YUE
33: CN 31: PCT/CN2019/095657 32: 2019-07-11
54: SAMPLE PADDING IN ADAPTIVE LOOP FILTERING
00: -
A method of video processing includes determining, for a conversion between a block that is in a video picture of a video and a bitstream representation of the video, a manner of padding a first set of samples located across boundaries of multiple video regions of the video picture for a current sample in an adaptive loop filter process. The method also includes performing the conversion according to the determining.



21: 2022/00539. 22: 2022/01/11. 43: 2023/09/07
51: A61K; A61P
71: INNOPEUTICS CORPORATION
72: KIM, TAE GYUN
33: KR 31: 10-2020-0106368 32: 2020-08-24
33: KR 31: 10-2019-0115466 32: 2019-09-19
54: COMPOSITION AND METHOD FOR INHIBITING TAU PROTEIN ACCUMULATION, AGGREGATION, AND TANGLE FORMATION
00: -
Disclosed are a composition and method for inhibiting tau protein accumulation, aggregation, or tangle, the composition containing neurons or glia having Nurr1 and/or Foxa2 genes introduced thereinto, wherein the composition and method can be utilized in the prevention or treatment of a cerebral nervous disease caused by tau protein accumulation, aggregation, or tangle formation.



21: 2022/00542. 22: 2022/01/11. 43: 2023/09/07
51: A61K; A61P
71: SEASONS BIOTECHNOLOGY (TAIZHOU) CO. LTD.
72: JIA, QIANG, HUANG, FA, WANG, RU, YANG, JINJIN, WEI, YOUBING, MA, TIANHUA, WANG, YUNZHONG, HU, YANYUN, CHU, CHANGHU
33: CN 31: 201910571194.3 32: 2019-09-04
54: COATED GRANULE, SOLID DISPERSION, AND PREPARATION CONTAINING VORTIOXETINE HYDROBROMIDE FOR ORAL TASTE MASKING
00: -
A coated granule, a solid dispersion, a composition, and a preparation for oral taste masking, which improve the taste masking effect of vortioxetine hydrobromide, and improve the patient adherence and compliance.



21: 2022/00543. 22: 2022/01/11. 43: 2023/09/07
51: C22B
71: DUESENFELD GMBH
72: HANISCH, CHRISTIAN, ELWERT, TOBIAS, BRÜCKNER, LISA
54: METHOD FOR RECYCLING LITHIUM BATTERIES
00: -
The invention relates to a method for recycling lithium batteries, comprising the steps of: (a) breaking down a ground material (10), containing ground components of electrodes of lithium batteries, with concentrated sulphuric acid (12) at a breakdown temperature (T_A) of at least 100°C, in particular at least 140°C, so that off-gas (14) and a breakdown material (16) are produced; (b) discharging the off-gas (14); and (c) wet-chemically extracting at least one metal component of the breakdown material (16).

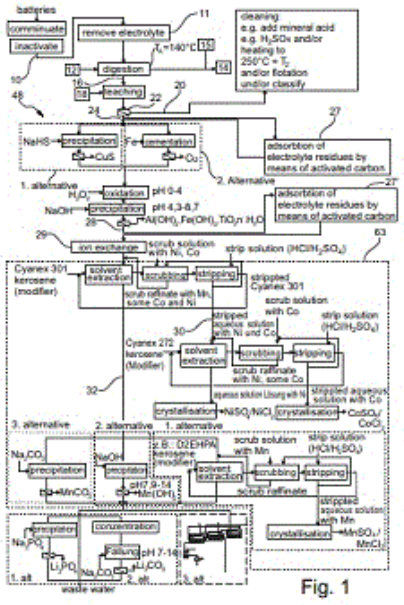
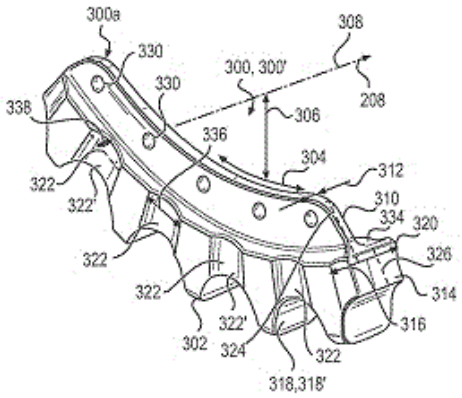


Fig. 1

21: 2022/00587. 22: 2022/01/12. 43: 2023/09/07
51: B62D
71: CATERPILLAR INC.
72: BLAND, ARTHUR J, HAKES, DAVID J
33: US 31: 16/507,451 32: 2019-07-10
54: WINGED SPROCKET SEGMENTS WITH NOTCHES
00: -
The sprocket member (300, 400, 500) keeps the sprocket centered within the link box while the notches (322, 422, 522) or cut-outs allow mud, dirt, or other material to move out of the link box formed of the track chain assembly (126) by two track bushings (204) and two track links (202) that form a rectangular shaped perimeter. The spacing provided by the wings (320, 420, 428, 520, 528) of the sprocket member (300, 400, 500) reduce wear on the track links (206) near a track bushing and track link interface (210) such as a press-fit connection by spacing the lugs (302, 402, 502) of the sprocket member (300, 400, 500) away from the interface (210).



21: 2022/00605. 22: 2022/01/12. 43: 2023/09/08
51: G01N
71: INTEC PRODUCTS, INC.
72: HU, JINGGAO
33: CN 31: 201921168987.2 32: 2019-07-23
54: BLOOD GROUP ANTIGEN TESTING COMPONENT
00: -
Disclosed is a blood group antigen testing component comprising a test strip (1) and a device for sample loading (2), wherein a sample is transported to a test area (16) of the test strip (1) through a sampling ring (22) of the device for sample loading (2). A known blood group antibody is used for identifying a human blood group antigen by

means of an immunochromatography technique. Firstly, the antibody is pre-coated and immobilized on a reaction membrane (11) to present a test point, and then the test point, a flushing pad (12), absorbent paper and a liner are assembled into a test strip; when a sample is tested, the sample is added dropwise into the reaction membrane (11), then a sample flushing fluid is added dropwise into the flushing pad (12), and when red blood cells in the sample to be tested and the immobilized antibody are subjected to an immunobinding reaction, the red blood cells are intercepted at a test point on the reaction membrane (11), showing a red point, for a positive reaction; and if there is no antigen-antibody immune reaction, the red blood cells cannot be intercepted, but move forwards to enter an absorbent pad (13) by means of the effect of chromatography, the test point on the reaction membrane (11) shows white, with only the positive control point showing red, for a negative reaction.

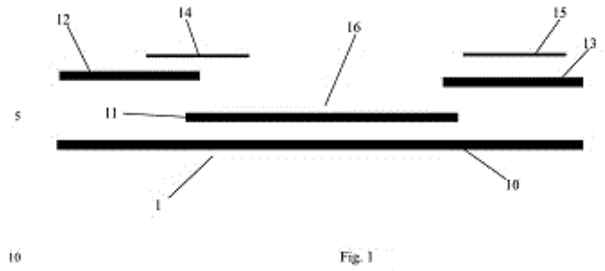
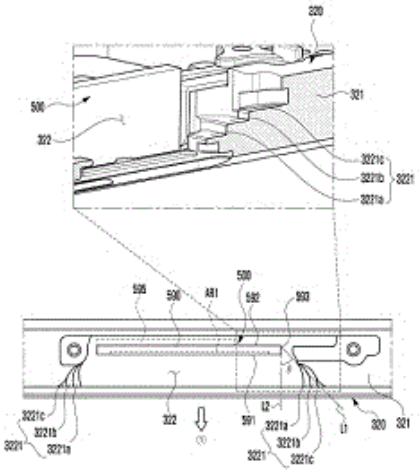


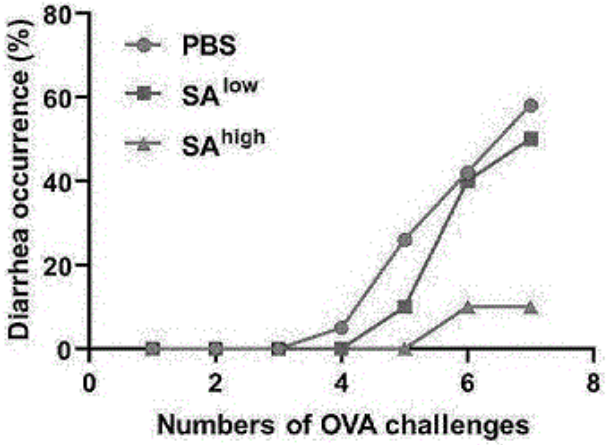
Fig. 1

21: 2022/00606. 22: 2022/01/12. 43: 2023/09/08
51: A01N; C12N; C12R; A01P
71: BIOINSECTIS S.L.
72: CABALLERO SÁNCHEZ, JAVIER
33: EP 31: 19382497.6 32: 2019-06-14
54: BACILLUS THURINGIENSIS STRAIN
00: -
The invention provides a B. thuringiensis{Bt) strain which does not produce beta-exotoxin and which exhibits insecticidal activity against Spodoptera frugiperda, an insect whose control is poor or ineffective with the currently market available Bt-based products. Thus, compositions based in this strain can be used as insecticides or for preparation of insecticides, being preferably that the composition used is a combination of spores and crystal proteins of the strain. The genome of the strain contains a combination of at least (6) different cry genes and at least (3) different Vip genes that has not been described for other Bt strains and that can be used to identify it.

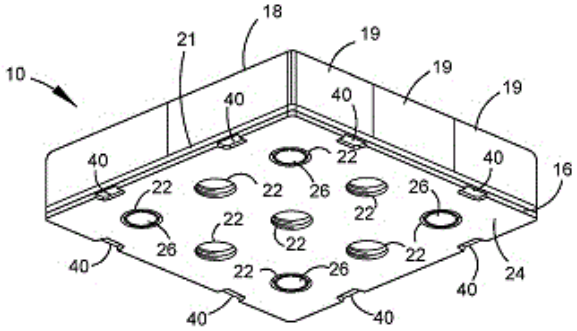
21: 2022/00607. 22: 2022/01/12. 43: 2023/09/08
51: H01Q
71: SAMSUNG ELECTRONICS CO., LTD.
72: LEE, SUNGYOUNG, PARK, SANGHUN, LEE, GUNWOO, JE, JONGJOO
33: KR 31: 10-2019-0094589 32: 2019-08-02
54: ANTENNA AND ELECTRONIC DEVICE COMPRISING SAME
00: -
According to various embodiments, an electronic device comprises: a housing including a side surface member including a conductive member and a non-conductive member coupled to the conductive member; and at least one antenna structure which is arranged in an inner space, and which comprises a substrate arranged so as to face the side surface member and at least one antenna element arranged on the substrate so as to form a beam pattern through the non-conductive member in the direction in which the side surface member faces, wherein, when the side surface member is viewed from the outside, a boundary region of the conductive member and the non-conductive member is arranged in a region not overlapping the substrate, the conductive member in the boundary region comprises at least one recessed part for at least partially accommodating the non-conductive member, and the at least one recessed part can comprise two or more stepped portions of which the height gradually increases or decreases in the left and right directions away from the substrate when the side surface member is viewed from the outside.



21: 2022/00738. 22: 2022/01/14. 43: 2023/09/08
51: C07K; A23L; A61K; A61P
71: GI INNOVATION, INC.
72: JANG, MYOUNG HO, YANG, BO-GIE, LEE, KYUNGWHA
33: KR 31: 10-2019-0082217 32: 2019-07-08
54: POLYPEPTIDE DIMER WITH HIGH SIALIC ACID CONTENT, COMPRISING EXTRACELLULAR DOMAIN OF ALPHA SUBUNIT OF IGE FC RECEPTOR, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME
00: -
The present invention relates to a modified IgE Fc receptor with high sialic acid content, and a pharmaceutical composition comprising same. A polypeptide dimer with high sialic acid content according to the present invention not only has excellent safety and persistence in the body compared to a conventional anti-IgE antibody in use, but also strongly binds to IgE, and thus has the advantage of extending the administration interval. The polypeptide dimer with high sialic acid content according to the present invention is a substance with a single target of IgE and does not bind to an Fc gamma receptor unlike the conventional anti-IgE antibody to which Fc of IgG1 is applied. As a result, the release of a mediator due to a bond with an Fc gamma receptor on the surface of a mast cell can be inhibited, and side effects such as anaphylaxis, which can be induced by the binding of IgG1 to Fc gamma receptor III of the mast cell, can thereby be minimized. In addition, the polypeptide dimer with high sialic acid content can maintain a high blood concentration even when administered subcutaneously. Therefore, the polypeptide dimer with high sialic acid content according to the present invention can be effectively used to prevent or treat allergic diseases.

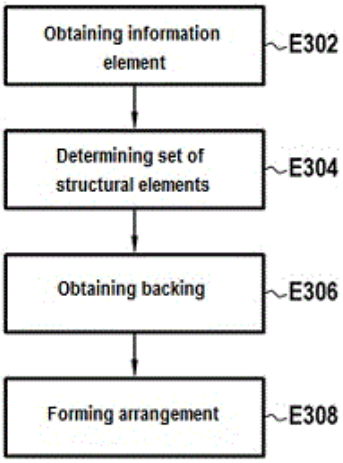


21: 2022/00739. 22: 2022/01/14. 43: 2023/09/08
51: B65G; B65D; B02C; F16B
71: ELASTOTEC PTY LIMITED
72: MOLESWORTH, DAVID, MINTO, JUSTIN
33: AU 31: 2019902116 32: 2019-06-18
54: WEAR LINER
00: -
According to the invention, there is provided a magnetic wear liner (10) for protecting an underlying metallic surface (12) of a materials handling device from wear or damage during use. The magnetic wear liner includes a substantially rigid base (16) and one or more wear lining tiles (18) disposed on one side of the rigid base. The magnetic wear liner further includes one or more magnet devices (26) engageable with the rigid base such that a selective portion of the wear liner (10) is magnetically attracted to the underlying metallic surface.



21: 2022/00742. 22: 2022/01/14. 43: 2023/09/08

51: B42D
71: IDEMIA FRANCE
72: BERTHE, BENOÎT, AZUELOS, PAUL
33: FR 31: FR1908087 32: 2019-07-17
54: METHOD FOR MANUFACTURING A TWO-DIMENSIONAL COLOURED BAR CODE AND ASSOCIATED SECURITY DEVICE
00: -
The invention substantially relates to a method for manufacturing a two-dimensional coloured bar code comprising an arrangement of coloured basic structural elements which encode at least one information element, the manufacturing method comprising the following steps: determining (E304) by data-processing means a group of coloured basic structural elements corresponding to the at least one information element, at least one structural element of the group comprising a pattern, and forming (E308) the at least one structural element of the group on a support in order to create the arrangement, wherein: the support comprises a printed matrix comprising a plurality of pixels, and the formation of the at least one coloured basic structural element comprises modification of the support in at least a portion of at least one sub-pixel of at least one pixel of the matric, the modification making it possible to obtain the colour and pattern of the at least one basic structural element.



21: 2022/00785. 22: 2022/01/17. 43: 2023/09/08
51: D05C
71: VANDEWIELE NV
72: CALLENS, FRANK, OOSTERLYNCK, KRISTOF
33: GB 31: 1908847.5 32: 2019-06-20
54: A TUFTING MACHINE
00: -
A method of operating a tufting machine comprising a sliding needle bar (4) with a plurality of needles (5), a presser foot mounted slidable with the needle bar, an individual end yarn feed, a needle selection mechanism (7) to selectively latch a needle to the needle bar when the yarn in that needle is required to form a tuft, a plurality of loopers (8), a plurality of knives (10) to cut a loop of yarn on a respective looper and means associated with each looper to selectively dislodge a loop of yarn from the looper before it is cut. The method comprising controlling the feed of yarn to the needles (5) such that, when a cut end is required, a determination is made of a whether a predetermined yarn condition is present in the yarn at its cut end and, in respone to such a determination being found, an additional loop of yarn, not required by the pattern data is formed, such that the additional loop of yarn forms a yarn buffer than can be pulled back through the backing medium.

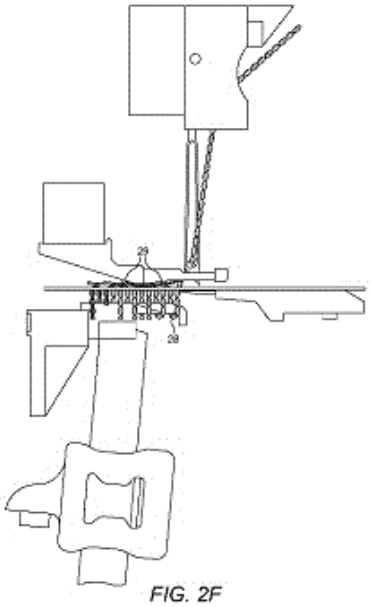
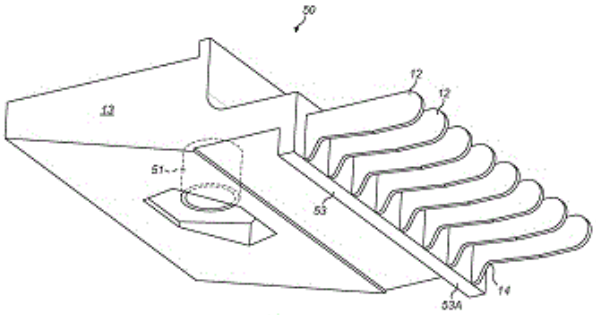


FIG. 2F

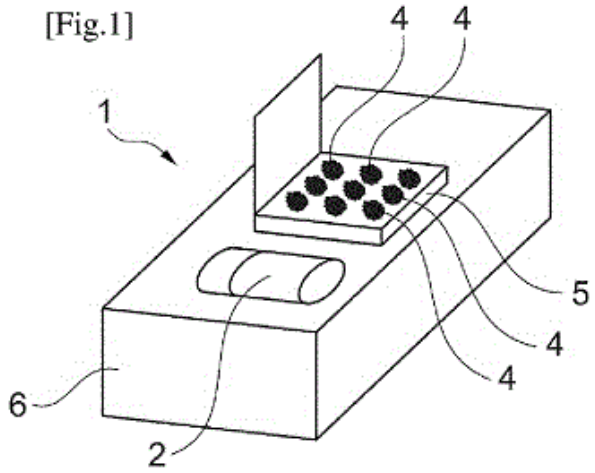
21: 2022/00786. 22: 2022/01/17. 43: 2023/09/08
51: D05C
71: VANDEWIELE NV
72: CALLENS, FRANK, OOSTERLYNCK, KRISTOF, LAMPAERT, VINCENT, SHANLEY, FRANK
33: GB 31: 1908846.7 32: 2019-06-20
54: A PRESSER FOOT MODULE FOR A TUFTING MACHINE
00: -

A presser foot module (50) for a tufting machine. The module has a module body (13) for attachment to a tufting machine and the plurality of fingers (12) extending from the body in a first direction which, in use, is opposite to the direction in which the backing medium (1) is fed through the tufting machine. The module body (13) has a downwardly depending lip (53) defining a presser surface (53A) extending across an end of the body which is adjacent to the interface with the fingers (12). Each finger (12) has an unsupported end opposite to the module body (13) so as to provide access to an open gap between adjacent fingers in a direction opposite to the first direction.

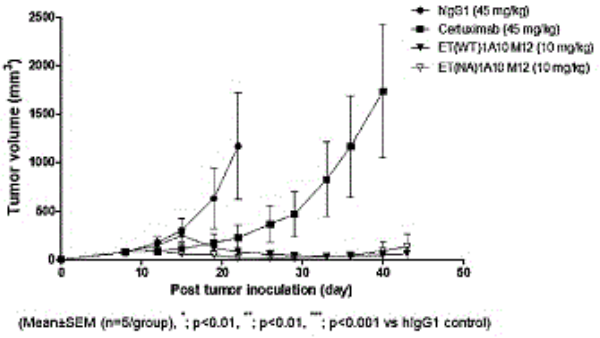


21: 2022/00787. 22: 2022/01/17. 43: 2023/09/08
51: A41G
71: L'OREAL
72: SAMAIN, HENRI, BLANC, JEAN-BAPTISTE, GIRON, FRANCK, LEGOAI, LEAH
33: FR 31: FR1908749 32: 2019-07-31
54: COSMETIC TREATMENT METHOD AND ASSEMBLY FOR PERFORMING SAID METHOD
00: -
Cosmetic treatment method comprising the steps consisting in: (a) applying an adhesive (A) to an area (Z) of the scalp, (b) applying fibres (F) to said area covered with adhesive, belonging to a bunch (4) of at least 50 entangled fibres, said bunch (4) comprising fibres having, at least over part of their length, a radius of curvature of between 1 and 10 mm, preferably between 1 and 5 mm, the application taking place in such a way that for at least some of the fibres of the bunch (4), they only come into contact with the adhesive over part of their length.

[Fig.1]

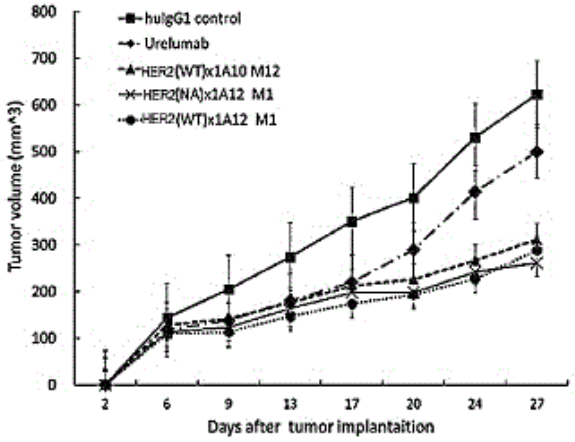


21: 2022/00905. 22: 2022/01/19. 43: 2023/09/08
51: C07K; A61P; A61K
71: ABL BIO INC., YUHAN CORPORATION
72: YONG, YERYOUNG, JUNG, UI-JUNG, CHUNG, HYEJIN, PARK, KYEONGSU, SON, WONJUN, LEE, YANGSOON, KIM, YEUNJU, SUNG, EUNSIL, KIM, YOUNGKWANG, PAK, YOUNGDON, PARK, MINJI, EOM, JAEHYUN, CHOI, HYOJU, SONG, MOO YOUNG, LEE, NA RAE, PARK, YOUNG BONG, LEE, EUN-JUNG, LEE, EUN-JUNG
33: US 31: 62/878,977 32: 2019-07-26
54: ANTI-EGFR/ANTI-4-1BB BISPECIFIC ANTIBODY AND USE THEREOF
00: -
Provided are an anti-4-1BB/anti-EGFR bispecific antibody, and a pharmaceutical composition and a method for treating and/or preventing a cancer using the same.

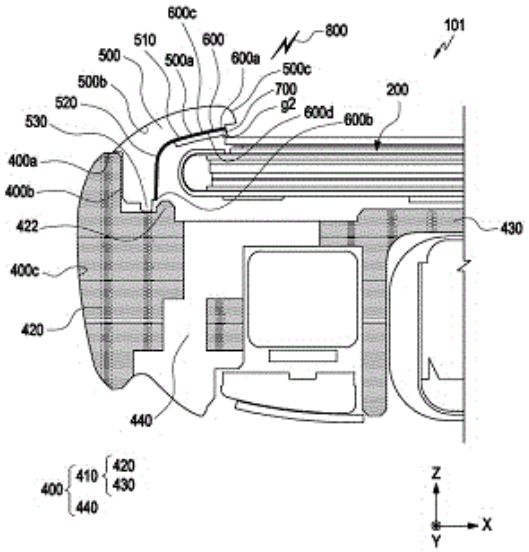


21: 2022/00906. 22: 2022/01/19. 43: 2023/09/08
51: C07K; A61P; A61K
71: YUHAN CORPORATION
72: CHUNG, HYEJIN, YONG, YERYOUNG, PARK, KYEONGSU, PARK, EUNYOUNG, JUNG, UI-JUNG,

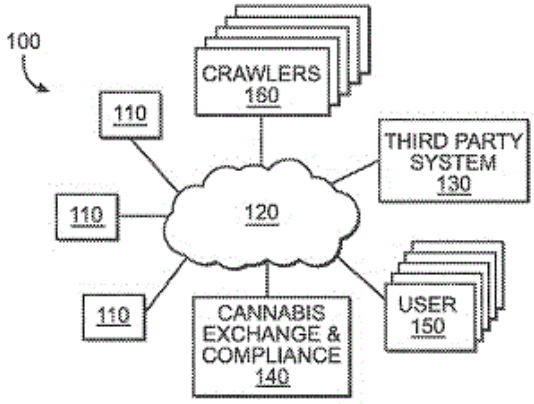
LEE, YANGSOON, KIM, EUNJUNG, SON, YONG-GYU, SON, WONJUN, AHN, SEAWON, YEOM, DONGHOON, LEE, CHANMOO, HONG, JUNGHYEON, SONG, MOO YOUNG, LEE, EUN-JUNG, LEE, NA RAE, PARK, YOUNG BONG, LEE, EUN-JUNG, KIM, TAEWANG
33: US 31: 63/024,608 32: 2020-05-14
33: US 31: 62/878,951 32: 2019-07-26
54: ANTI-HER2/ANTI-4-1BB BISPECIFIC ANTIBODY AND USE THEREOF
00: -
Provided are an anti-4-1BB/anti-HER2 bispecific antibody, and a pharmaceutical composition and a method for treating and/or preventing a cancer using the same.



21: 2022/00907. 22: 2022/01/19. 43: 2023/09/08
51: G06F; H05K; C09D
71: SAMSUNG ELECTRONICS CO., LTD.
72: SUNWOO, SEUNGHUI, KIM, SUYOUN, BAE, YOUNGMIN, LEE, DAEKYU
33: KR 31: 10-2021-0035415 32: 2021-03-18
33: KR 31: 10-2020-0095771 32: 2020-07-31
54: ELECTRONIC DEVICE INCLUDING CONDUCTIVE MEMBER
00: -
An electronic device is provided. The electronic device includes a foldable display, a decoration member made of a resin material to surround at least a portion of the foldable display, a support member configured to support the foldable display and including a metal area connected to the decoration member, and a conductive member disposed on the decoration member and electrically connected to the metal area. The conductive member may include a first conductive member arranged to face the support member and a second conductive member arranged parallel to the first conductive member and electrically connected to the first conductive member.



21: 2022/00910. 22: 2022/01/19. 43: 2023/09/11
51: G06Q
71: RANTE CORPORATION
72: LOS, TIMOTHY, JOHNSON, JACOB
33: US 31: 16/994,316 32: 2020-08-14
33: US 31: 16/812,576 32: 2020-03-09
54: CANNABIS RISK COMPLIANCE AND EXCHANGE PLATFORM
00: -
This invention relates to a cannabis compliance and exchange platform. Previously, jurisdictions had a panoply of different cannabis laws which made complying with all relevant statutes difficult. Embodiments of the present invention to collect, view, validate, and exchange information, whether direct, brokered, or gated, between each other to address regulations, compliance, and reporting requirements as required by local, state, and federal laws, regulations, and ordinances. This further extends to internal business practices and controls required by an entity and/or individual who is either directly or indirectly involved in the cannabis industry. Users and entities can collect, view, and, whether separately or in its aggregate, validate data, activities, documents, and purchases.



21: 2022/00911. 22: 2022/01/19. 43: 2023/09/11
51: G06Q; G06F
71: RANTE CORPORATION
72: LOS, TIMOTHY, JOHNSON, JACOB
33: US 31: 16/812,576 32: 2020-03-09
33: US 31: 17/033,254 32: 2020-09-25
33: US 31: 16/994,316 32: 2020-08-14
54: CANNABIS IDENTITY VERIFICATION AND EXCHANGE PLATFORM
00: -
This invention relates to devices that allow for users and entities to validate the identity of an individual involved. Previously, there was no way to determine if a consumer or client is themselves violating a rule or law which would put the cannabis business at risk. Embodiments of the present invention use identity verification that can occur when conducting cannabis sales, dealing with cannabis vendors, accessing a cannabis facility, and when individuals access cannabis websites for either informational or ecommerce experiences. The identity verification platform allows businesses, whether directly or indirectly in the cannabis industry, to verify individuals based upon their own rules and processes with different data metrics. In addition, the identity verification platform allows cannabis data to be exchanged and shared to provide additional metrics to identify an individual between organizations and government entities.

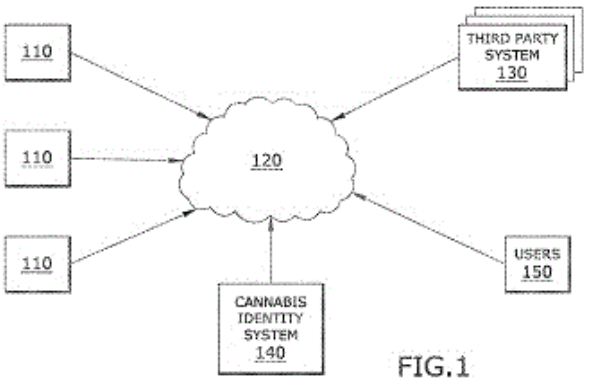
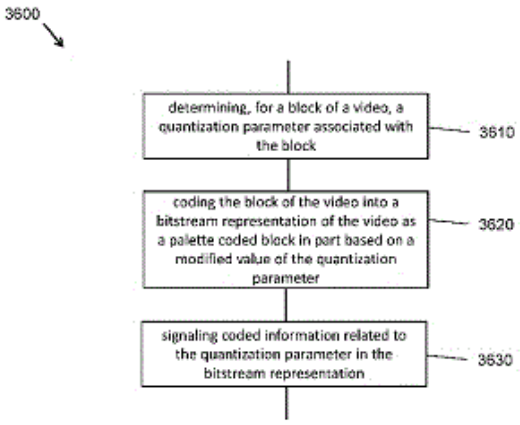


FIG.1

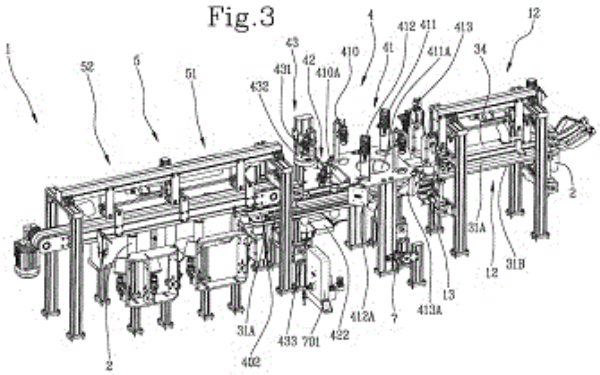
21: 2022/00957. 22: 2022/01/20. 43: 2023/09/11
51: H04N
71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.
72: ZHU, WEIJIA, ZHANG, LI, XU, JIZHENG, ZHANG, KAI, LIU, HONGBIN, WANG, YUE
33: CN 31: PCT/CN2019/096933 32: 2019-07-20
54: QUANTIZATION PROCESS FOR PALETTE MODE
00: -
Devices, systems and methods for video processing are described. An exemplary method for video processing includes determining, for a block of a video, a quantization parameter associated with the block, coding the block of the video into a bitstream representation of the video as a palette coded block in part based on a modified value of the quantization parameter, and signaling coded information related to the quantization parameter in the bitstream representation.



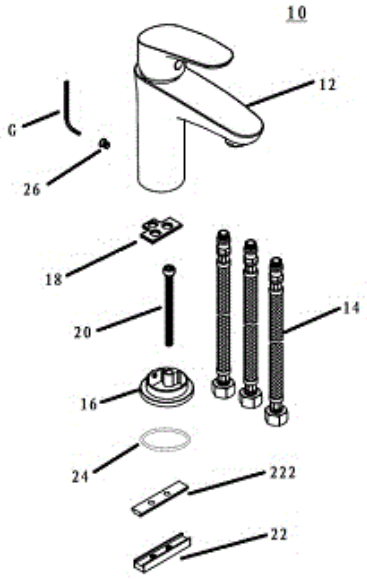
21: 2022/00959. 22: 2022/01/20. 43: 2023/09/11
51: G01N; B29C; B65G
71: SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA

72: LAICO, DONATO, GIORGI, MANUEL
33: IT 31: 102019000010416 32: 2019-06-28
54: DEVICE FOR OPTICAL INSPECTION OF PREFORMS
00: -
An apparatus (1) and a method for optical inspection of parisons (2) made of thermoplastic material comprises: a conveyor (3) comprising a pair of lateral, under-flange guides 31A for holding each parison by its flange, and configured to transport the parisons (2) in succession along an inspection path; an inspection station (41, 42, 43, 51, 52), located along the inspection path and including at least one inspection camera (410, 411, 412, 413, 421, 431, 510, 511, 520, 521, 522), configured to capture image data of a parison (2) positioned in the inspection station (41, 42, 43, 51, 52), wherein the conveyor (3) has a first operating configuration for transporting parisons (2) of a first size and a second operating configuration for transporting parisons (2) of a second size, different from the first size, the conveyor (3) including at least one adjustment actuator (7), configured to move the conveyor (3) between the first and the second operating configuration.

Fig.3



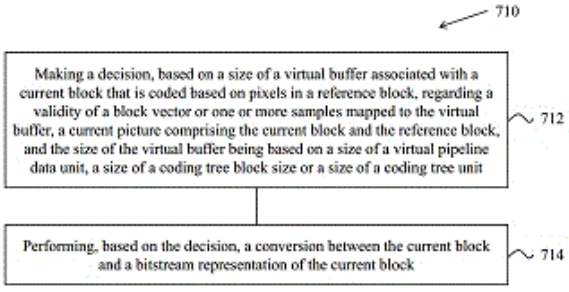
21: 2022/00962. 22: 2022/01/20. 43: 2023/09/11
51: E03C
71: CHEN, XIANXIANG, CHEN, ZHILIN
72: CHEN, XIANXIANG
33: CN 31: 201910696305.3 32: 2019-07-30
54: INSTALLATION METHOD FOR TAP ASSEMBLY
00: -
The present invention provides an installation method for a tap assembly, comprising: enabling a water delivery pipe of a tap to extend to penetrate through a base, and connecting the water delivery pipe to a fixing plate, the size of the fixing plate being larger than that of the base; enabling the water delivery pipe to extend to penetrate through an installation hole of an installation table surface, and installing and fixing the base to the installation hole; removing the water delivery pipe from the fixing plate and installing the water delivery pipe to the tap; and installing the tap to the base. The purpose of the present invention is to provide an installation method for a tap assembly, so that the water delivery pipe of the tap is not prone to falling off in the installation process, and the installation efficiency of the tap assembly is improved.



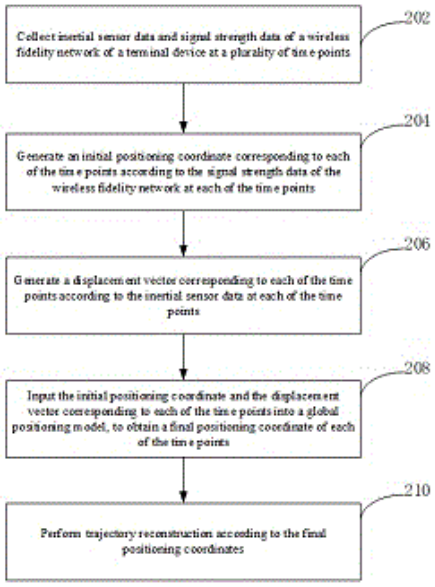
21: 2022/01028. 22: 2022/01/21. 43: 2023/09/11
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: AINGER, NICHOLAS, JOHN, COLLINS, LUISA ZOE, GOLDING, STEPHEN, ROBERTS, LOUISE JANNETTE
33: EP 31: 19188726.4 32: 2019-07-26
54: HAIR TREATMENT COMPOSITION
00: -
A hair treatment composition comprising: i) a cleansing phase comprising a surfactant, in which at least 50wt% of the total surfactant comprises an ethoxylated alkyl sulphate anionic surfactant; ii) an oil-in-water emulsion comprising a silicone; iii) a piroctone compound at a level of 0.15 to 1.5 wt% of the composition; and iv) a cationic polymer in which the cationic polymer comprises a dimethyl diallyl ammonium moiety, at a level of 0.1 to 1.0 wt% of the

composition; wherein the anti-dandruff agent component in the composition is less than 50 wt% in solid form.

21: 2022/01076. 22: 2022/01/24. 43: 2023/09/11
51: H04N
71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.
72: XU, JIZHENG, ZHANG, LI, ZHANG, KAI, LIU, HONGBIN
33: CN 31: PCT/CN2019/109849 32: 2019-10-07
33: CN 31: PCT/CN2019/097742 32: 2019-07-25
33: CN 31: PCT/CN2019/122606 32: 2019-12-03
54: MAPPING RESTRICTION FOR INTRA-BLOCK COPY VIRTUAL BUFFER
00: -
A method for video processing is described. The method includes determining, for a conversion between a current video block of a video picture of a video and a coded representation of the video, a number of reference samples in a reference region of the video picture used for predicting the current video block, based on a rule, wherein the rule specifies that the number of reference samples is limited to a certain range; and performing, based on the determining, the conversion.



21: 2022/01092. 22: 2022/01/24. 43: 2023/09/11
51: H04W
71: THE CHINESE UNIVERSITY OF HONG KONG (SHENZHEN) , SHENZHEN RESEARCH INSTITUTE OF BIG DATA
72: YIN, FENG, XIE, ANG, CUI, SHUGUANG, AI, BO
33: CN 31: 201910660363.0 32: 2019-07-22
54: TRAJECTORY RECONSTRUCTION METHOD AND APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM
00: -
The present application relates to a trajectory reconstruction method and apparatus, a computer device and a storage medium. The method comprises: acquiring inertial sensor data of a terminal device at a plurality of time points and signal strength data of a wireless fidelity network; generating, according to the signal strength data of the wireless fidelity network at each time point, initial positioning coordinates corresponding to each time point; generating, according to the inertial sensor data at each time point, a displacement vector corresponding to each time point; inputting the initial positioning coordinates and displacement vectors corresponding to the time points into a global positioning model, so as to obtain final positioning coordinates of the time points; and performing trajectory reconstruction according to the final positioning coordinates. By means of the method, a more accurate position estimation can be obtained in a complex object motion mode and a wireless propagation environment, thereby improving the accuracy of trajectory reconstruction.



21: 2022/01224. 22: 2022/01/26. 43: 2023/09/11
51: A61K
71: BIOTHEA PHARMA, INC.
72: SOMMADOSSI, JEAN-PIERRE, MOUSSA, ADEL
33: US 31: 62/731,442 32: 2018-09-14
33: US 31: 62/711,936 32: 2018-07-30
54: CRYSTALLINE EPINEPHRINE MALONATE SALT
00: -

Described herein are epinephrine salts, specifically the epinephrine malonate salt; the epinephrine malonate salt in crystalline form; a pharmaceutical composition comprising epinephrine malonate; a sublingual or buccal pharmaceutical composition comprising epinephrine malonate in crystalline form; and a method for treating a patient comprising administering a pharmaceutical composition of epinephrine malonate in crystalline form.

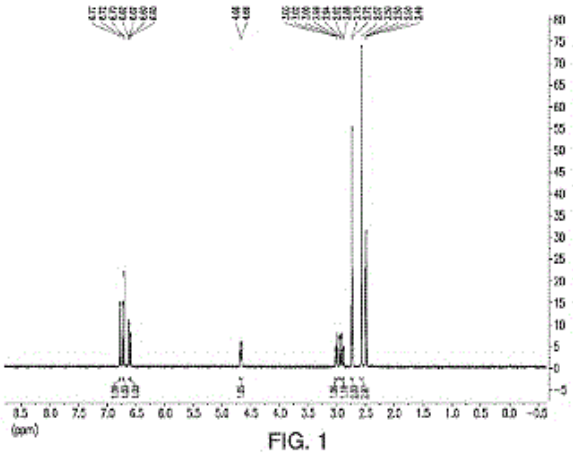
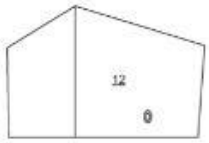
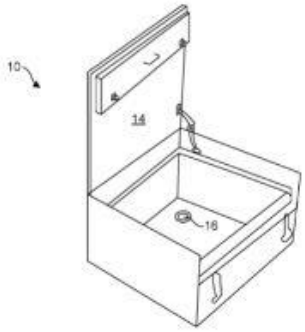


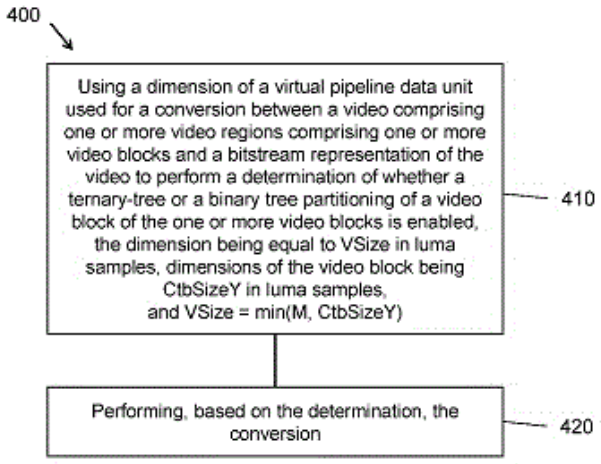
FIG. 1

21: 2022/01241. 22: 2022/01/26. 43: 2023/11/03
51: A47K; B60P; B60R
71: STORYTELLER OVERLAND, LLC
72: HUNTER, Jeffrey, FREYERMUTH, Dan, DONALDSON, Adam, ISBELL, Mark, LANG, Brent, SLATER, Dave
33: US 31: 62/816,571 32: 2019-03-11
33: US 31: 16/814,270 32: 2020-03-10
54: FOLDABLE TABLE
00: -
A vehicle retrofit system comprising a folding counter assembly which is configured to be contained and deployed within an interior of a vehicle.



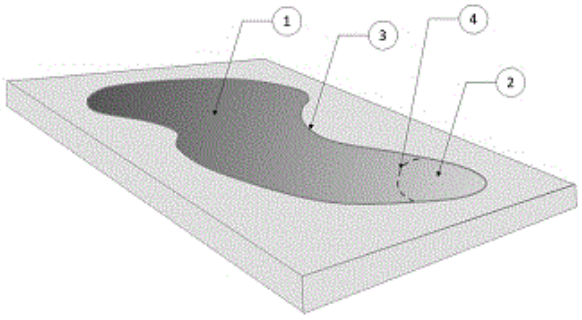


21: 2022/01250. 22: 2022/01/26. 43: 2023/09/11
51: H04N
71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.
72: DENG, ZHIPIN, ZHANG, LI, ZHANG, KAI, LIU, HONGBIN
33: CN 31: PCT/CN2019/103892 32: 2019-08-31
33: CN 31: PCT/CN2019/097926 32: 2019-07-26
54: DETERMINATION OF PICTURE PARTITION MODE BASED ON BLOCK SIZE
00: -
Methods, systems, and devices for coding or decoding video wherein the picture partition mode is based on block size are described. An example method for video processing includes using a dimension of a virtual pipeline data unit (VPDU) used for a conversion between a video comprising one or more video regions comprising one or more video blocks and a bitstream representation of the video to perform a determination of whether a ternary-tree (TT) or a binary tree (BT) partitioning of a video block of the one or more video blocks is enabled, and performing, based on the determination, the conversion, wherein the dimension is equal to VSize in luma samples, wherein dimensions of the video block are CtbSizeY in luma samples, wherein VSize = min (M, CtbSizeY), and wherein M is a positive integer.



21: 2022/01251. 22: 2022/01/26. 43: 2023/09/11
51: D06M
71: UNILEVER GLOBAL IP LIMITED
72: BOARDMAN, CHRISTOPHER
33: EP 31: 19189218.1 32: 2019-07-30
54: FABRIC SPRAY COMPOSITIONS
00: -
An aqueous fabric spray composition, comprising: a. 0.0001 - 10 wt. % free perfume. b. 0.001 to 2 wt. % quaternary ammonium biocide.

21: 2022/01253. 22: 2022/01/26. 43: 2023/09/11
51: C02F
71: CRYSTAL LAGOONS TECHNOLOGIES, INC.
72: FISCHMANN, FERNANDO BENJAMIN
33: US 31: 16/456,762 32: 2019-06-28
54: LOW COST AND SANITARY EFFICIENT SYSTEM AND METHOD THAT CREATES TWO DIFFERENT TREATMENT ZONES IN LARGE WATER BODIES TO FACILITATE DIRECT CONTACT RECREATIONAL ACTIVITIES
00: -
The present invention discloses designating two different treatment zones in a large body of water. The first zone is a sedimentation zone. This zone is used mainly to provide treatment and settling of microorganisms and/or contaminants to inactivate and/or remove them from the water body. In this zone a disinfection method based on a CT index and applying an efficient amount of a flocculant composition may be used. The second zone is a dissipation zone. This zone is where main direct contact recreational water activities are intended to occur. In the dissipation zone a water flow is established that, along with the natural currents produced by winds and/or water temperature differences, generate a water dissipation pattern of the volume of water within the dissipation zone into the sedimentation zone. In addition, continuous disinfection of the water volume in the dissipation zone is preferably provided by maintaining a permanent chlorine residual.



21: 2022/01361. 22: 2022/01/28. 43: 2023/09/11
51: A61K
71: GENENTECH, INC.
72: YU, X CHRISTOPHER, FISCHER, SALOUMEH KADKHODAYAN, FISHER, SUSAN C, LOWE, JOHN, NAIM, ATIA, SANCHEZ, AILEN M, TESKE, CHRISTOPHER A, VANDERLAAN, MARTIN, AMURAO, ANNAMARIE, FRANKLIN, JAYME, VICTA, CORAZON
33: US 31: 61/877,517 32: 2013-09-13
54: METHODS AND COMPOSITIONS COMPRISING PURIFIED RECOMBINANT POLYPEPTIDES
00: -
Purified recombinant polypeptides isolated from Chinese hamster ovary host cells, including antibodies, such as therapeutic antibodies, and methods of making and using such polypeptides are provided.

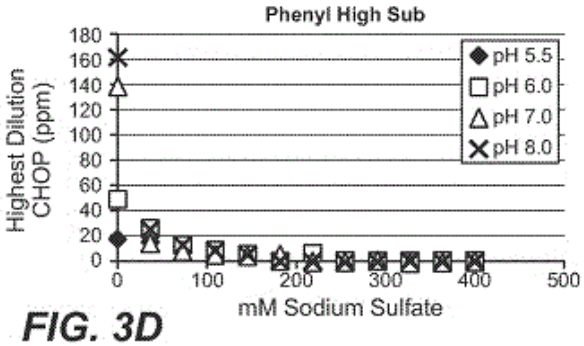


FIG. 3D

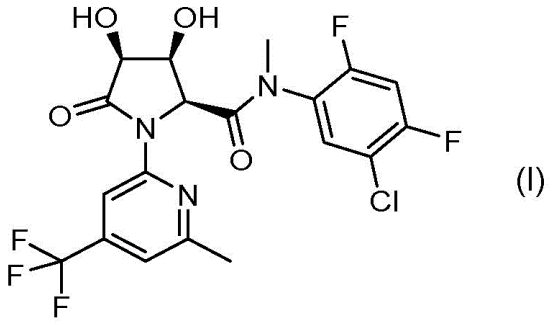
21: 2022/01364. 22: 2022/01/28. 43: 2023/11/07
51: A61K; C07D; A61P

71: ARTIOS PHARMA LIMITED
72: BLENCOWE, Peter, CHARLES, Mark, EKWURU, Tennyson, FINCH, Harry, MCCARRON, Hollie, HEALD, Robert, STOCKLEY, Martin
33: GB 31: PCT/GB2019/052240 32: 2019-08-09
33: GB 31: 1917863.1 32: 2019-12-06

54: DEUTERATED COMPOUNDS FOR USE IN THE TREATMENT OF CANCER

00: -

The application relates to deuterated amide derivatives of formula (I) and their use in the treatment and prophylaxis of cancer, and to compositions containing said derivatives and processes for their preparation.



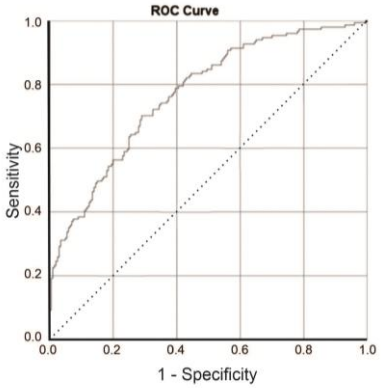
(I)

21: 2022/01365. 22: 2022/01/28. 43: 2023/11/03
51: G01N
71: NORTH-WEST UNIVERSITY
72: MALAN, Leoné, MALAN, Nicolaas, Theodor
33: ZA 31: 2019/05103 32: 2019-08-01

54: METHOD OF DETERMINING RISK FOR CHRONIC STRESS AND STROKE

00: -

The invention provides methods of determining risk for chronic stress and stroke. More specifically, the invention relates to an early prognostic index that can be used to predict chronic stress and stroke risk. There is provided a method of evaluating the risk of developing chronic stress and stroke, the method including obtaining a biological sample from an individual; measuring the levels of a set of biomarkers in the biological sample obtained from the individual; measuring the levels of a set of clinical markers of the individual; using a computer to programmatically generate an index based on the levels of biomarker in the biological sample obtained from the individual in combination with levels of the individual's clinical marker; and using the index to identify a likelihood that the individual will experience chronic stress and stroke.

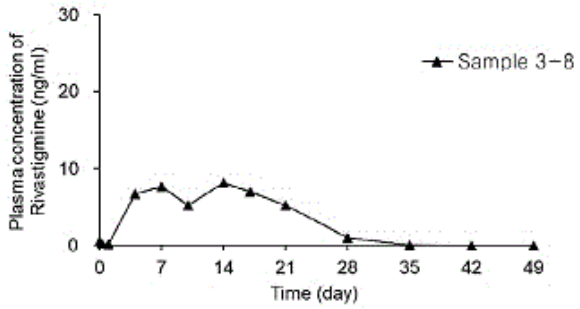


21: 2022/01465. 22: 2022/02/01. 43: 2023/09/11
51: A61K; A61P
71: G2GBIO, INC.
72: LEE, HEEYONG, SEOL, EUNYOUNG, LEE, JUHAN, LEE, YEONKYEONG, PARK, DONGHYUN, CHOE, HEEKYOUNG
33: KR 31: 10-2019-0084775 32: 2019-07-12

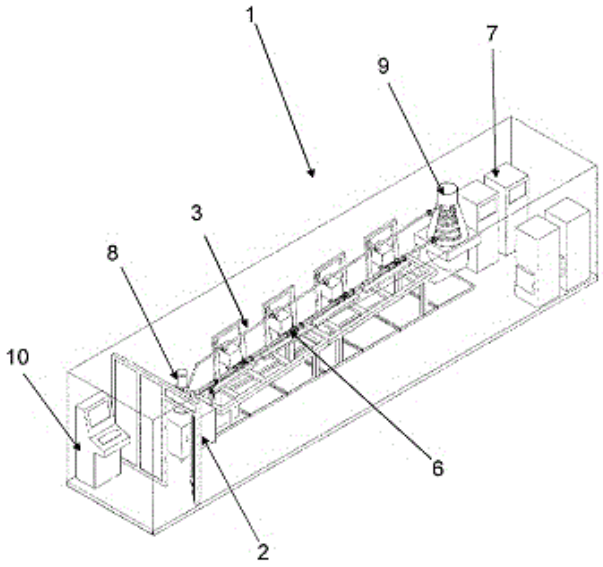
54: LONG-LASTING FORMULATION CONTAINING RIVASTIGMINE, AND METHOD FOR PREPARING SAME

00: -

The present invention pertains to: sustained-release microspheres for an injection formulation containing a biodegradable polymer and at least one active ingredient selected from the group consisting of rivastigmine and pharmaceutically acceptable poorly soluble salts thereof; a long-lasting injection formulation which is for preventing or treating Alzheimer's disease and contains the microspheres; and a method for preparing the microspheres. The present invention provides a long-lasting injection formulation containing rivastigmine sustained-release microspheres in which initial rapid drug release is effectively controlled even when there is a high content of the drug, and can thus maximize therapeutic effects by reducing gastrointestinal tract-associated side effects, which often occur in patients who receive conventional orally administered drugs, and increasing medication compliance.



21: 2022/01466. 22: 2022/02/01. 43: 2023/09/11
51: G01N
71: JOHN COCKERILL S.A.
72: BUCCI, JULIE, SMOLDERS, MANUEL, HARZALLAH, RIDHA, WINAND, STÉPHANE
33: EP 31: 19184129.5 32: 2019-07-03
54: DYNAMIC TEST LOOP FOR DETERMINING MOLTEN SALT CORROSION
00: -
The present invention relates to an installation (1) for carrying out dynamic corrosion and degradation tests on samples (4) being in contact with a fluid, comprising: - a tank (2) for heating and storing, in use, a fluid at a given temperature; - a looped circuit comprising a pipe (3) containing the fluid during the tests, having a first end and a second end both connected to the tank (2); - a pump (8) for circulating the fluid in the pipe (3); - a plurality of test stands located along different portions of the pipe (3), each test stand comprising a sample holder (5B) holding, in use, at least a sample (4) in said portion of the pipe (3) and an inductor (6), wrapped around said portion of pipe (3) and intended to heat the sample holder (5B) to provide, in use, a gradient of temperature between the fluid and the sample (4) during the test.



21: 2022/01498. 22: 2022/02/02. 43: 2023/09/11
51: A01G
71: GROW PIPES AB
72: PARI, MIKAEL, PARI, JONAS, TILK, CHRISTER, CARLSSON, ROBERT, DELPORT, GERT CHRISTIAAN
33: SE 31: 1950889-4 32: 2019-07-12
54: PLANT HOLDER FOR HYDROPONIC SYSTEM
00: -
Plant holder (1) for a hydroponic growth system, comprising a body (2) having a top section (3), a middle section (4) and a bottom section (5), where the plant holder (1) comprises a first conduit (9) having a rear wall (12) and a front wall (11), where the plant holder (1) comprises a plant hopper (7) with a plant mouth (6) arranged at the top section (3), where the first conduit (9) comprises a sloping bottom wall (8) having an outlet opening (17) arranged at the bottom section (5), where the plant holder (1) further comprises a lid (30) arranged at the plant mouth (6), where the lid (30) comprises a collector plate (32) extending from the interior of the first conduit (9) into the plant hopper (7), where the collector plate (32) ends outside of the periphery (16) of the plant holder (1).

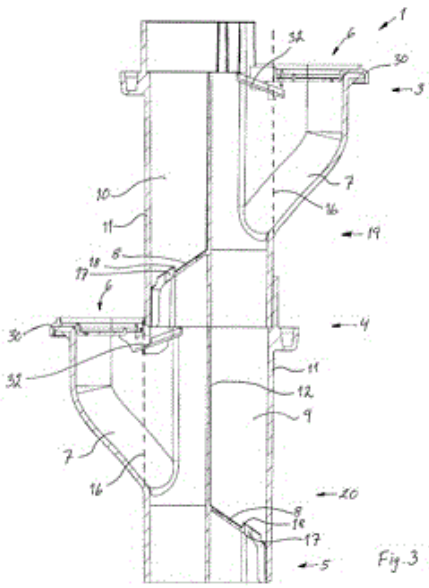
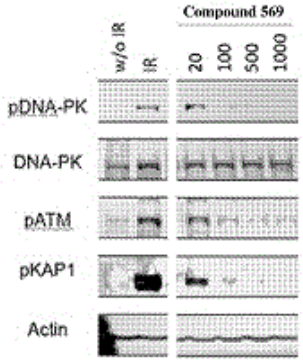
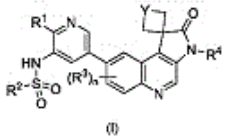


Fig.3

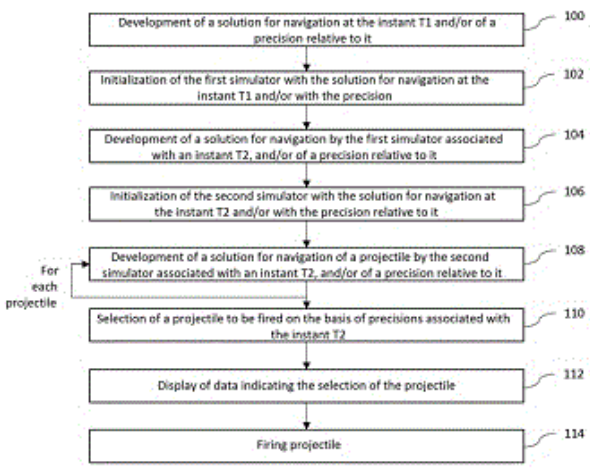
21: 2022/01499. 22: 2022/02/02. 43: 2023/09/11
51: A61K; C07D
71: XRAD THERAPEUTICS, INC.
72: FU, JIANMIN, WANG, YAODE, SUN, YUE, WU, GUOSHENG, LU, AIJUN, ZHANG, SHUANG, GOODNOW, ROBERT A, GILMER, TONA, KASTAN, MICHAEL, KIRSCH, DAVID
33: US 31: 62/883,325 32: 2019-08-06
33: CN 31: 201910695148.4 32: 2019-07-30
54: DUAL ATM AND DNA-PK INHIBITORS FOR USE IN ANTI-TUMOR THERAPY
00: -
Provided herein are compounds of formula (I): and pharmaceutically acceptable salts thereof, where the substituents are as described herein. These compounds and their pharmaceutical compositions may be useful in the treatment of oncologic diseases.





(I)

21: 2022/01502. 22: 2022/02/02. 43: 2023/09/11
51: F41G
71: SAFRAN ELECTRONICS & DEFENSE
72: BOUVET, ALEXANDRE, GOUMY, LAURENT, CHEVALIER, YOANN
33: FR 31: FR1908231 32: 2019-07-22
54: DECISION ASSISTANCE SYSTEM AND METHOD FOR FIRING A PROJECTILE AT A TARGET
00: -
Disclosed is a decision assistance system (8) for firing a projectile at a target (4) mounted on a mobile carrier (1), the system comprising: a first simulator (10) for applying a process repeatedly to simulated data that represent a configuration of the carrier and a trajectory of the carrier between a first (T1) and a second (T2) instant, to develop a precision of a navigation solution of the associated carrier at the second instant (T2); a second simulator (12) for: a) being initialized with said precision, b) applying a process repeatedly to simulated data that represent a trajectory of the projectile between the second and a third instant (T3), in order to develop a precision of a navigation solution of the projectile (4) associated with the third instant (T3), and a selector (14) for either selecting the projectile or not (4) in order to fire on the target, according to the precision developed in step b).

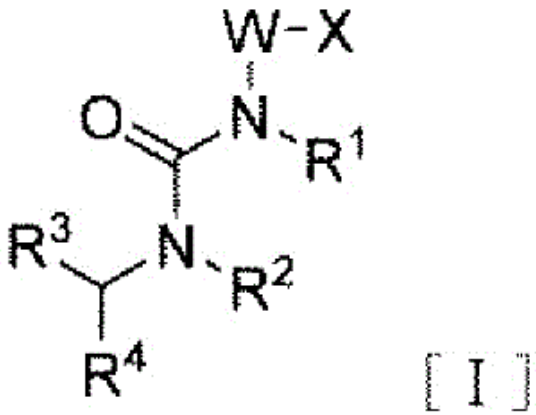


21: 2022/01503. 22: 2022/02/02. 43: 2023/09/11
51: A61P; C07C; C07D; C07F; A61K
71: TAISHO PHARMACEUTICAL CO., LTD.
72: KURODA, SHOICHI, KOBAYASHI, YUKI, HATANAKA, KANAKO, ITO, YUJI, UNEUCHI, FUMITO, UEHARA, YUKO
33: JP 31: 2019-140088 32: 2019-07-30

54: UREA COMPOUND FOR ANTAGONIZING LPA1 RECEPTOR

00: -

The present invention provides a compound represented by formula (I) or a pharmaceutically acceptable salt thereof which has the effect of antagonizing the LPA1 receptor.

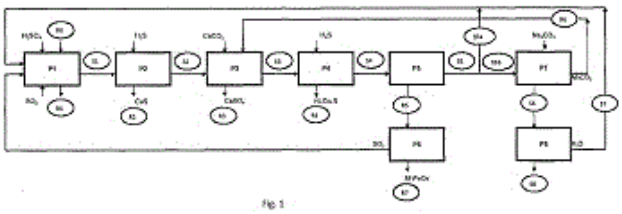


21: 2022/01626. 22: 2022/02/07. 43: 2023/09/11
51: C22B
71: UMICORE
72: DANIELS, MICHEL, SCOYER, JEAN, BALTES, MICHAEL, NEVEN, MARGOT, LEYSSEN, JAN
33: EP 31: 19190915.9 32: 2019-08-09

54: PROCESS FOR THE RECOVERY OF METALS FROM OXIDIC ORES

00: -

A process is disclosed for the recovery of valuable metals from oxidic ores, in particular from polymetallic nodules. The process is suitable for the recovery of Cu, Co, Ni, Fe, and Mn, which are the main metals of interest in such polymetallic nodules. The present process is, among others, characterized by the handling of Fe, which is dissolved and kept in solution until the step of crystallization rather than removed at an earlier stage. A mixed Mn-Fe residue is obtained, which, after thermal treatment, provides a Mn-Fe oxide that is suitable for the steel or for the manganese industry. Excellent Cu, Co and Ni yields are obtained, while Fe is leached and valorized together with Mn.



21: 2022/01631. 22: 2022/02/07. 43: 2023/09/11
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BHUNIA, PANCHANAN, BARNE, SAMEER KESHAV
33: EP 31: 19196616.7 32: 2019-09-11

54: DETERGENT COMPOSITION

00: -

The present invention is in the field of detergent compositions. It is an object of the present invention to provide a detergent composition that has good foaming and rinse properties. The present inventors have found detergent composition comprising a rinse agent consisting of methyl cellulose and a glycerol derivative provides both good cleaning and easy rinsing of the foam.

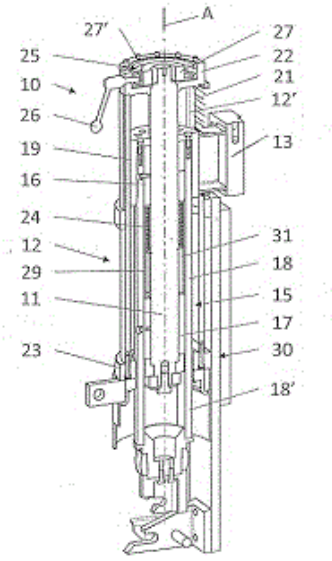
21: 2022/01633. 22: 2022/02/07. 43: 2023/09/11
51: C12N
71: AIM IMMUNOTECH INC.
72: EQUELS, THOMAS K, STRAYER, DAVID R
33: US 31: 63/081,296 32: 2020-09-21

54: COMPOSITIONS AND METHODS FOR TREATING CANCER

00: -

Disclosed is a method for treating a cancer, such as pancreatic cancer, in a subject. The method comprises a first step of administering to the subject a standard of care therapy such as FOLFIRINOX and administering to the subject a therapeutic double stranded RNA (tdsRNA) which can be Rintatolimod.

21: 2022/01676. 22: 2022/02/08. 43: 2023/09/11
51: B22D
71: REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG
72: LORENZ, ROLAND, RÖLLIN, ERICH
33: EP 31: 19192630.2 32: 2019-08-20
54: DRIVE DEVICE FOR A STOPPER CLOSURE ON A METALLURGICAL VESSEL
00: -
The invention relates to a drive device for a stopper closure on a metallurgical vessel, comprising a housing (12) arranged on the vessel (40) in a removable manner, an adjustment means (15) which is mounted in the housing so as to be height-displaceable and has a drive (14) which can be coupled to the housing, and an upper connection element (13) for a support arm carrying the fire-proof stopper. Said adjustment means (15) for the stopper is mounted so as to be height-displaceable on at least one bearing shaft (11) fastened in the housing (12). This design of the adjustment means (15) permits an increase in the stiffness of the drive device and hence of the fire-proof stopper suspended by said drive device on the support arm during pouring.



21: 2022/01678. 22: 2022/02/08. 43: 2023/09/11
51: F42B
71: RUAG AMMOTEC AG
72: MUSTER, MICHAEL, BUCHER, MARKUS, MEYER, DONALD
33: DE 31: 10 2019 121 112.3 32: 2019-08-05
54: PROJECTILE, METHOD FOR PRODUCING A PROJECTILE, DIE FOR PRODUCING A PROJECTILE AND METHOD FOR SECURING A PROJECTILE CORE AGAINST ROTATION IN RESPECT OF A JACKET OF A PROJECTILE
00: -
The present invention relates to a projectile, more particularly a precision projectile, comprising a projectile core with a tip section, a tail section with a projectile base and a guiding band located therebetween, and a projectile jacket completely enclosing the projectile core wherein profiling is introduced in the region of the projectile core tail axially offset from the guiding band and/or in the region of a rear end face of the projectile core base and/or in the region of the projectile core tip axially offset from the guiding band, to which profiling the projectile jacket is matched in a form-complementary manner such that an anti-rotation lock is formed between the projectile jacket and the projectile core.

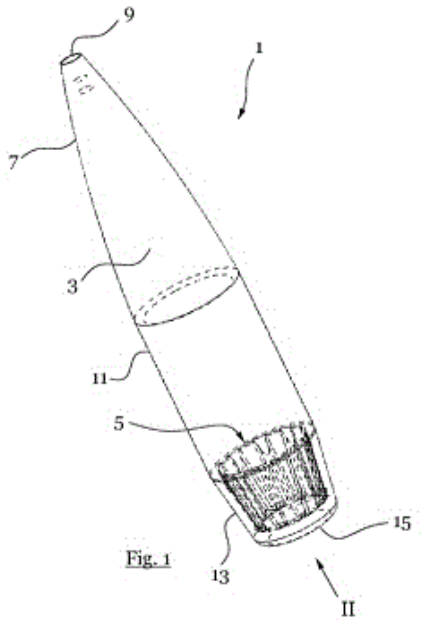


Fig. 1

21: 2022/01679. 22: 2022/02/08. 43: 2023/09/11
51: A23N; B65G; B07C
71: UNITEC S.P.A.
72: BENEDETTI, LUCA
33: IT 31: 102019000013407 32: 2019-07-31
54: APPARATUS FOR THE TREATMENT OF HORTICULTURAL PRODUCTS AND METHOD FOR CONTROLLING SUCH APPARATUS
00: -
An apparatus for the treatment of horticultural products, comprising in series at least: - a first station (10), configured for supplying a handling and processing line (2) with an indiscriminate mass of horticultural products, - a second station (20), arranged along the line (2) and configured for the acquisition of information related to at least one parameter of interest of each horticultural product in transit and for the transmission of the information to an electronic control and management unit (3), - a third station (30), arranged along the line (2) and configured for the selective conveyance of each horticultural product in transit toward one of at least two distinct collection stations (40), on the basis of commands sent by the electronic unit (3) as a function of the information acquired at least by the second station (20). The apparatus comprises an electronic vision device (50), arranged along a chosen point of the line (2) that is comprised between the first station (10) and the second station (20) and is configured to count the number of horticultural products in transit; the electronic unit (3), functionally associated with the device (50), is provided with instructions for the automatic variation of the supply rate of the line (2), on the part of at least the first station (10), as a function of the counting performed by the electronic vision device (50).

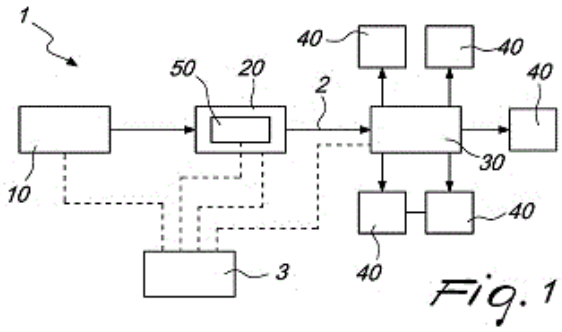
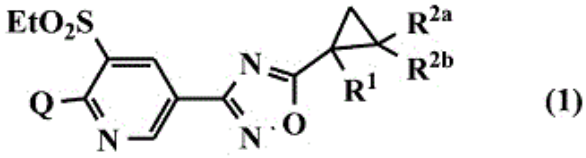


Fig. 1

21: 2022/01681. 22: 2022/02/08. 43: 2023/09/11
51: A61P; C07D; A01P; A01N; A61K
71: NIHON NOHYAKU CO., LTD.
72: YAMAUCHI, CHIAKI, YONEMURA, IKKI, FUJIHARA, HIROKAZU
33: JP 31: 2019-165792 32: 2019-09-12
54: AGRICULTURAL OR HORTICULTURAL INSECTICIDE OR ANIMAL ECTOPARASITE OR ENDOPARASITE CONTROL AGENT EACH COMPRISING A CONDENSED HETEROCYCLIC COMPOUND HAVING A SUBSTITUTED CYCLOPROPANE-OXADIAZOLE GROUP OR A SALT THEREOF AS ACTIVE INGREDIENT, AND METHOD FOR USING THE INSECTICIDE OR THE CONTROL AGENT
00: -
In crop production in the fields of agriculture, horticulture and the like, the damage caused by insect pests etc. is still immense, and insect pests resistant to existing insecticides have emerged. The present invention has been made in view of such circumstances, and an object of the present invention is to develop and provide a novel agricultural or horticultural insecticide. Another object of the present invention is to provide an agent capable of eliminating ectoparasites or endoparasites of animals. These objects are achieved by a condensed heterocyclic compound having a substituted cyclopropane-oxadiazole group represented by the general formula (1): (wherein R^1preferably represents an alkyl group, $R^{2a}$and

R^{2b}each preferably represent a hydrogen atom, R^3preferably represents a haloalkyl group, and Q is preferably imidazo[4,5-b]pyridine) or a salt thereof, an agricultural or horticultural insecticide or an animal ectoparasite or endoparasite control agent each comprising the compound or the salt thereof as an active ingredient, and a method for using the compound or the salt thereof, the insecticide, or the control agent.



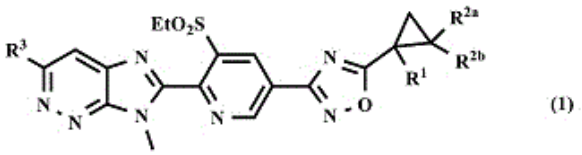
(1)

21: 2022/01682. 22: 2022/02/08. 43: 2023/09/11
51: A61P; A01P; C07D; A01N; A61K
71: NIHON NOHYAKU CO., LTD.
72: YAMAUCHI, CHIAKI, YONEMURA, IKKI
33: JP 31: 2019-165793 32: 2019-09-12

54: AGRICULTURAL OR HORTICULTURAL INSECTICIDE OR ANIMAL ECTOPARASITE OR ENDOPARASITE CONTROL AGENT EACH COMPRISING AN IMIDAZOPYRIDAZINE COMPOUND HAVING A SUBSTITUTED CYCLOPROPANE-OXADIAZOLE GROUP OR A SALT THEREOF AS ACTIVE INGREDIENT, AND METHOD FOR USING THE INSECTICIDE OR THE CONTROL AGENT

00: -

In crop production in the fields of agriculture, horticulture and the like, the damage caused by insect pests etc. is still immense, and insect pests resistant to existing insecticides have emerged. The present invention has been made in view of such circumstances, and an object of the present invention is to develop and provide a novel agricultural or horticultural insecticide. Another object of the present invention is to provide an agent capable of eliminating ectoparasites or endoparasites of animals. These objects are achieved by an imidazopyridazine compound having a substituted cyclopropane-oxadiazole group represented by the general formula (1): (wherein R^1preferably represents an alkyl group, $R^{2a}$and R^{2b}each represent a hydrogen atom, and R^3represents a haloalkyl group) or a salt thereof, an agricultural or horticultural insecticide or an animal ectoparasite or endoparasite control agent each comprising the compound or the salt thereof as an active ingredient, and a method for using the compound or the salt thereof, the insecticide, or the control agent.



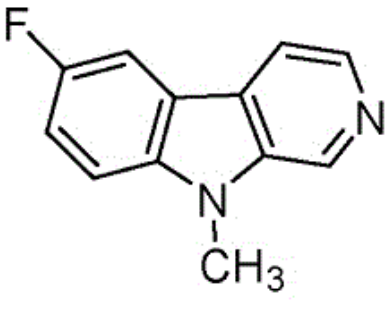
(1)

21: 2022/01719. 22: 2022/02/09. 43: 2023/09/11
51: C07D; A61K; A61P
71: AUDIOCURE PHARMA GMBH
72: ROMMELSPACHER, HANS, ZYGMUNT, TOMASZ, SCHLINGENSIEPEN, REIMAR
33: EP 31: 19191150.2 32: 2019-08-09

54: STABLE POLYMORPHIC FORM OF 6-FLUORO-9-METHYL-9H-BETA-CARBOLINE AND USES THEREOF

00: -

The present invention relates to a stable crystalline polymorphic form of 6-fluoro-9- methyl-9H-β-carboline of formula (I) a method for preparation of said crystalline polymorphic form of 6-fluoro-9-methyl- 9H-β-carboline, and a pharmaceutical composition comprising said crystalline polymorphic form of 6-fluoro-9-methyl-9H-β-carboline. Furthermore, the present invention relates to the use of said stable crystalline polymorphic form and the use of the pharmaceutical composition comprising said stable crystalline polymorphic form in the treatment and/or prophylaxis of hearing damage, vertigo or vestibular disorders.

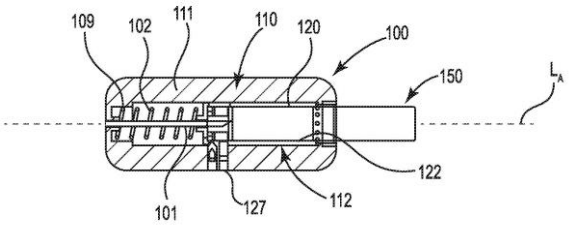


(I),

21: 2022/01778. 22: 2022/02/10. 43: 2023/11/07
51: A61M
71: PHILIP MORRIS PRODUCTS S.A.
72: CAMPITELLI, Gennaro, MOHSENI, Farhang
33: EP 31: 19205471.6 32: 2019-10-25

54: HOLDER FOR INHALER ARTICLE

00: -
A holder for an inhaler article includes a housing comprising a housing cavity for receiving an inhaler article a sleeve configured to retain an inhaler article within the housing cavity. The sleeve includes a sleeve cavity and is movable within the housing cavity along a longitudinal axis of the housing. The sleeve includes a first open end and a second opposing end. The first open end is configured to receive an inhaler article and the second opposing end of the sleeve is configured to allow air to enter the sleeve cavity. The second opposing end of the sleeve is configured to induce a swirl on the air entering the sleeve cavity.



21: 2022/01796. 22: 2022/02/10. 43: 2023/09/11
51: C07K; C12N; A61K; A61P; G01N
71: WUHAN YZY BIOPHARMA CO., LTD
72: ZHANG, JING, FANG, LIJUAN, YAN, YONGXIANG, ZENG, LIANG, ZHOU, PENGFEI
54: TETRAVALENT SYMMETRIC BISPECIFIC ANTIBODY
00: -
The present invention relates to a bispecific antibody, and a tetravalent symmetric bispecific antibody having a structure of F(ab)2-(Fv)2-Fc, comprising two identical fused heavy chains and two identical fused light chains.

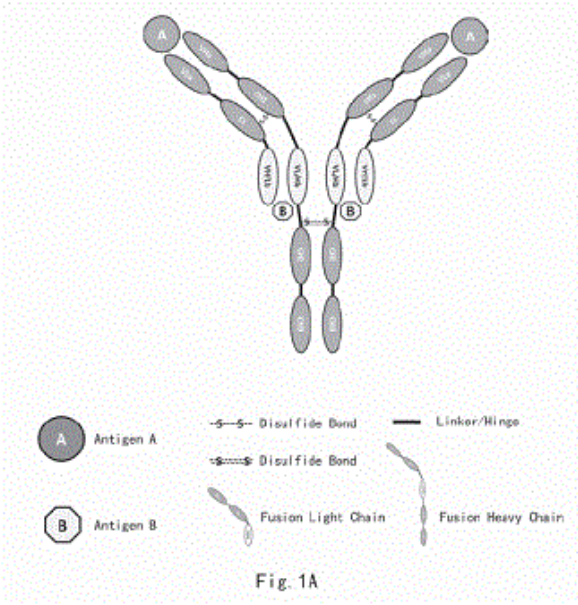


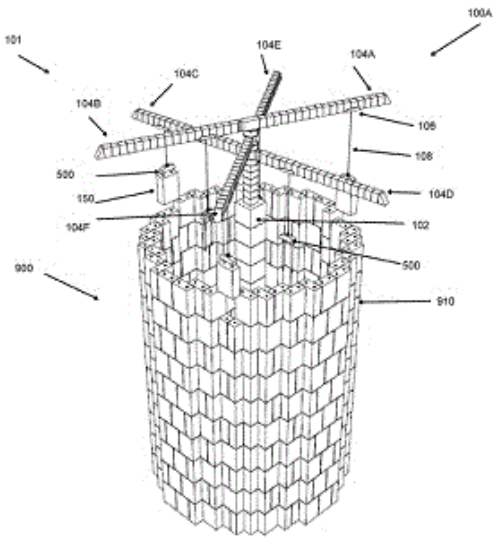
Fig. 1A

21: 2022/01827. 22: 2022/02/11. 43: 2023/11/08
51: A61K; A61P
71: NOVARTIS AG
72: IRIGARAY, Sebastien, KLEIN, Laurent, SKEGRO, Darko, VILLANI, Marco, WELZENBACH, Karl
33: EP 31: 19196045.9 32: 2019-09-06
54: THERAPEUTIC FUSION PROTEINS
00: -
The present invention relates to fusion proteins suitable for use as a medicament or research tool. Therapeutic uses of the fusion proteins may include the prevention or treatment of acute or chronic inflammatory and immune system-driven organ and micro-vascular disorders, for example, acute kidney injury, acute respiratory distress syndrome, sepsis, acute myocardial infarction, tissue fibrosis and other organ injuries resulting from tissue trauma.

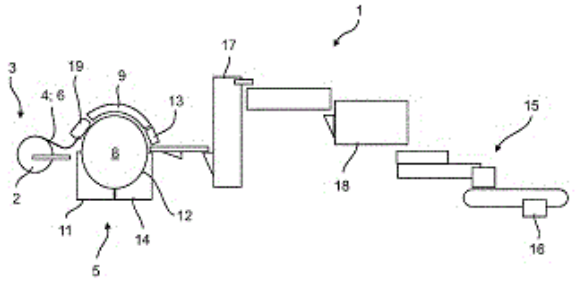
21: 2022/01835. 22: 2022/02/11. 43: 2023/09/11
51: A01N; A01P; A01M
71: ARKEMA FRANCE
72: CHARLES, PATRICK, FOUILLET, THIERRY
33: FR 31: FR1909556 32: 2019-08-30
54: FUMIGANT FORMULATION FOR DRIP APPLICATION
00: -
The present invention relates to the field of soil fumigation, and more particularly to a fumigant formulation comprising from 0.10% to 0.4% by weight of fumigant, particularly suitable for drip administration, and to the use thereof. The present

invention also relates to a method for pesticide treatment by fumigation of soils and/or substrates using such a formulation, administered drip by drip.

21: 2022/01873. 22: 2022/02/14. 43: 2023/09/11
51: B66C; F03G
71: ENERGY VAULT, INC.
72: PEDRETTI, ANDREA, GROSS, WILLIAM
33: US 31: 62/700,694 32: 2018-07-19
33: US 31: 62/800,919 32: 2019-02-04
33: US 31: 62/800,905 32: 2019-02-04
33: US 31: 62/800,929 32: 2019-02-04
54: ENERGY STORAGE SYSTEM AND METHOD
00: -
The invention relates to a block for use in an energy storage and generation system, the block including a body comprising concrete having a rectangular shape with a length greater than a width, the width being greater than a depth of the body, a planar facet interconnecting adjacent sides of the body, and one or more recesses on a bottom surface of the body; and a metal plate attached to the one or more recesses to inhibit wear on the block during movement of the block. The invention also extends to a grabber for use in lifting and lowering blocks in an energy storage and generation system.



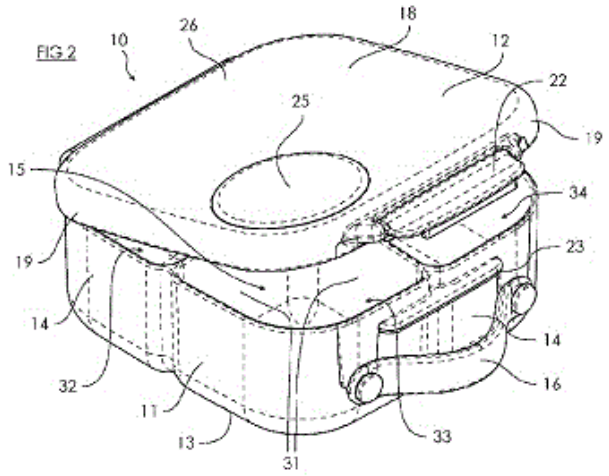
21: 2022/01893. 22: 2022/02/14. 43: 2023/09/11
51: B31D; B65H; B31F; B65G; F26B
71: SETTER GMBH & CO. PAPIERVERARBEITUNG
72: PRAGER, ROBERT, WINS, LEO, HÜLKENBERG, ROLAND
33: DE 31: 20 2019 003 550.8 32: 2019-08-27
54: PRODUCTION OF PAPER STICKS
00: -
The invention relates to paper processing, namely the processing of a paper web or a paper web section in order to form a paper stick. The processing is carried out in multiple process stages, including storing the paper web, stretching the paper web, controlling/regulating the guide for the lateral edge, conveying the paper web, folding the paper web, rolling, adding an additive, cutting, removing the remaining paper web, separating the paper sticks, drying the sticks, and/or post-treating the sticks.



21: 2022/01947. 22: 2022/02/15. 43: 2023/09/11
51: A23K; G06Q
71: MARS, INCORPORATED
72: ROCHE, JEAN-BAPTISTE, ECOCHARD, CLAUDE, PEREA, SALLY
33: EP 31: 19198990.4 32: 2019-09-23
54: INDIVIDUALIZED ANIMAL DRY FOOD COMPOSITION
00: -
The present invention relates to a method for providing an individualized nutritionally complete diet for an animal, in particular an animal with one or more pathological condition(s). The present invention also relates to a device for providing an individualized nutritionally complete diet for an animal, having means adapted to execute the steps of the method. The present invention also relates to a computer program to cause the device to execute the steps of the method. A computer-readable medium having stored thereon the computer program is further provided. Kits and compositions are further provided.

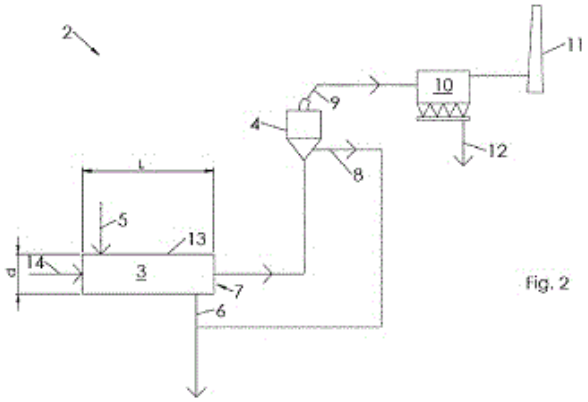
21: 2022/01999. 22: 2022/02/16. 43: 2023/09/11
51: B65D; A45C

71: B.BOX FOR KIDS DEVELOPMENTS PTY LTD
72: TJERNBERG, LISA EDLUND, AMATOURY, SYLVAIN JACQUES
33: AU 31: 2019208141 32: 2019-07-22
54: CONTAINER
00: -
A food container (10), the container (10) having a container bottom (11) and a container lid (12). The container bottom (11) having a base (13) and walls (14) upstanding from the base (13) to define a container bottom interior (15). The container lid (12) having a top cover (18) and side edges (19) and the top cover (18) overlying the base (13) when the lid (12) is in closed connection with the bottom (11). The top cover (18) including an elastically deformable portion (25) and an inelastic portion (26). Each of the elastically deformable portion (25) and the inelastic portion (26) overlying different portions of the base (13) when the lid (12) is in closed connection with the bottom (11). The elastically deformable portion (25) facilitating accommodation of an item within the container bottom interior (15) that rests on the portion of the base (13) that underlies the elastically deformable portion (25) and that extends into contact with the elastically deformable portion (25) as the lid (12) is shifted into closed connection with the bottom (11), by the elastically deformable portion (25) deforming elastically outwardly away from the base (13) in contact with the item.

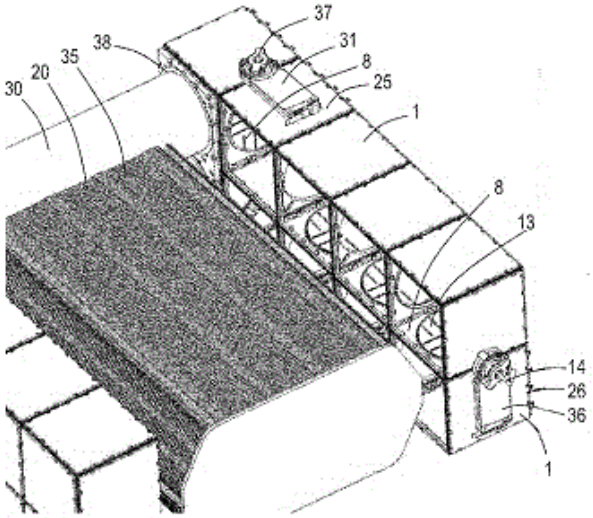


21: 2022/02003. 22: 2022/02/16. 43: 2023/09/11
51: B02C; C04B
71: FIVES FCB

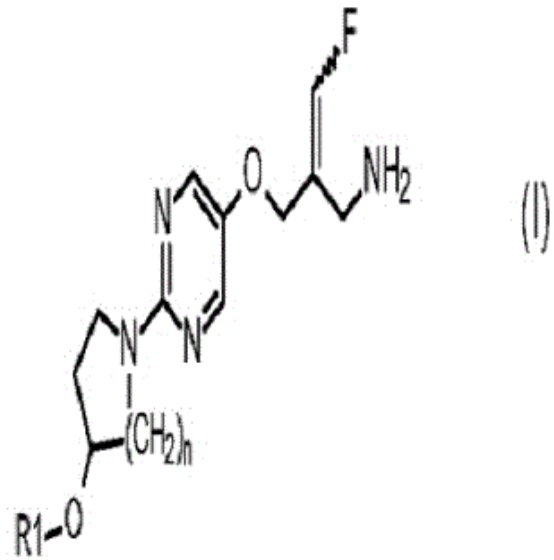
72: CORDONNIER, ALAIN, BOUDOT, FRANÇOIS, FRUCHART, ALAIN, GUIMARD, YANNICK, PORTAL, JÉRÔME
33: FR 31: FR1909630 32: 2019-09-02
54: METHOD OF SEPARATING DIFFERENT CONSTITUENTS OF A CONCRETE FOR DECONSTRUCTION
00: -
The invention relates to a method of separating different constituents of a fine fraction that is produced in a prior method for separating a concrete for deconstruction.



21: 2022/02046. 22: 2022/02/17. 43: 2023/09/11
51: F24F
71: DUTCH INNOVATION IN AIR TREATMENT B.V.
72: TRIP, VINCENT, VAN DER LEE, ARTHUR
33: NL 31: 2023734 32: 2019-08-30
54: A GAS FLOW SYSTEM
00: -
The invention is directed to a modular gas flow system comprising at least a first and a second hollow cuboid shaped gas flow element. The four edges of at least one open face of the first gas flow element is connected in a gas tight manner to four edges of an open face of the second hollow cuboid shaped gas flow element. A valve or a partition is present at the connecting open faces. The gas flow system may be a header of a plate heat exchanger.

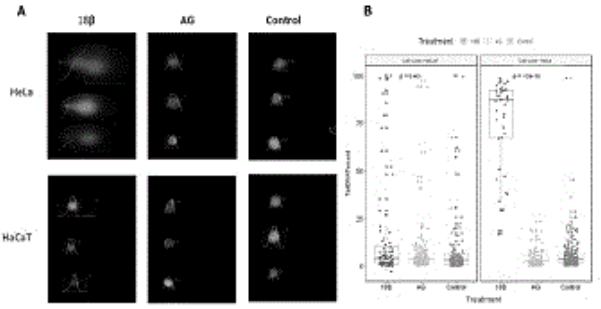


21: 2022/02097. 22: 2022/02/18. 43: 2023/09/11
51: C07D; A61K; A61P
71: ELI LILLY AND COMPANY
72: COATES, DAVID ANDREW, QIN, LUO HENG, WEI, YI, ZHOU, JINGYE
33: CN 31: PCT/CN2016/094833 32: 2016-08-12
54: AMINO PYRIMIDINE SSAO INHIBITORS
00: -
The present invention provides compounds of the Formula (I), or a pharmaceutically acceptable salt thereof, where n and R1 are defined herein, methods of treating patients for liver disease, and processes for preparing the compounds.



(I)

21: 2022/02125. 22: 2022/02/18. 43: 2023/09/14
51: A61K; B82Y
71: ATSO CORPORATE AFFAIRS S.A. DE C.V.
72: ZENDEJAS HERNÁNDEZ, ULISES
33: MX 31: MX/a/2019/009482 32: 2019-08-08
54: NANOEMULSION OF 18 BETA-GLYCYRRHETINIC ACID
00: -
A pharmaceutical formulation which comprises 18β-glycyrrhetinic acid, said formulation being a nanoemulsion aimed at enhancing the bioavailability of the active ingredient, a method for preparing said formulation, and the use thereof in the treatment of infections caused by the human papillomavirus. The formulation is intended for application in the vaginal and cervical area for the treatment of infections caused by the human papillomavirus, such as cervicouterine cancer.



21: 2022/02173. 22: 2022/02/21. 43: 2023/09/14
51: H02S; F16L
71: AISLAMIENTOS SUAVAL, S.A.
72: SUÁREZ-VALDÉS SUÁREZ, JOSÉ GUILLERMO
33: ES 31: P201930756 32: 2019-08-23
54: COMBINED SYSTEM FOR SUPPORTING INDUSTRIAL INSULATION SYSTEMS AND PHOTOVOLTAIC PANELS ON PIPING AND CAPITAL EQUIPMENT
00: -
A combined system for supporting industrial insulation systems and photovoltaic panels on piping and capital equipment, formed by supporting assemblies (2) along the pipe (1), each assembly having an internal ring (3) which is attached to the pipe (1) and an intermediate ring (5), linked to the internal ring (3) by means of separator braces (8), upon which the covering (7) of the pipe (1) is disposed, the insulation (6) remaining between the two rings (3, 5). Each assembly has an external profile (11) attached to the intermediate ring (5) by means of at least one supporting strut (12) which is

movable along a guide rail (13) along the external profile (11). The system has an external supporting structure (14) disposed upon the external profiles (11) of the supporting assemblies (2) along the pipe (1), which will bear at least one photovoltaic panel (15).

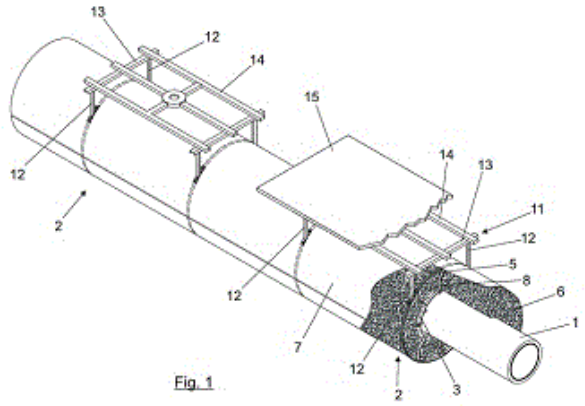
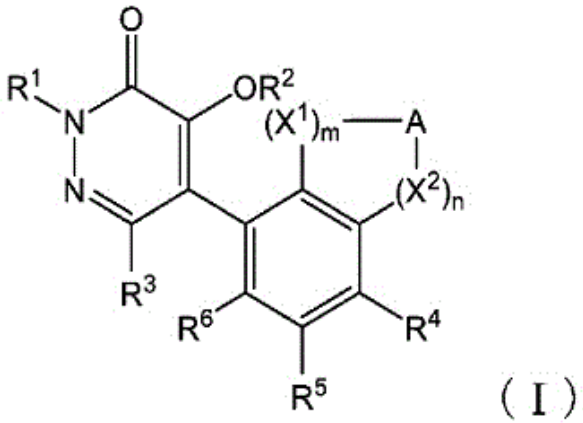


Fig. 1

21: 2022/02174. 22: 2022/02/21. 43: 2023/09/14
51: A61K; A61P
71: XIAMEN AMOYTOP BIOTECH CO., LTD., BIOSTEED GENE TRANSFORMATION TECH. CO., LTD.
72: SUN, LI, ZHOU, WEIDONG, LIAO, XIAOJIN, ZHUANG, LU, HE, RUOYI, ZHOU, TING, ZENG, LINGYING, YANG, MEIHUA, WANG, SHIYUAN, ZHENG, JIEHUA, ZHANG, LINZHONG
33: CN 31: 201910660749.1 32: 2019-07-22
54: METHOD FOR TREATING DISEASES BASED ON INTERFERON
00: -
The present invention falls within the biomedical field. Specifically, disclosed is a method for treating diseases based on an interferon, the method comprising intermittently administering a therapeutic agent based on an interferon to a subject, wherein the diseases are viral infections or cancers.

21: 2022/02246. 22: 2022/02/22. 43: 2023/09/14
51: C07D; A01P; A01N
71: NIPPON SODA CO., LTD.
72: MIHARA, KEN, IKEDA, YOJI, TAKI, YUKINA, KATO, KAZUSHIGE
33: JP 31: 2019-174532 32: 2019-09-25
54: PYRIDAZINE COMPOUND AND HERBICIDE
00: -
The present invention relates to: a compound represented by formula (I) or a salt thereof; and a herbicide that contains at least one of the foregoing as an active ingredient. In formula (I), $R^1$is a substituted or unsubstituted C1-6 alkyl group or the like, $R^2$is H or a substituted or unsubstituted C1-6 alkyl group or the like, $R^3$is H or a substituted or unsubstituted C1-6 alkyl group or the like, $R^4$is a halogeno group or a substituted or unsubstituted C1-6 alkyl group or the like, $R^5$is a hydrogen atom or a halogeno group, $R^6$is H or a halogeno group, A is a substituted or unsubstituted C1-4 alkylene group, a substituted or unsubstituted C2-3 alkenylene group or a substituted or unsubstituted C1-2 alkyleneoxy-C1-2 alkylene group, $X^1$is O or a sulfonyl group, $X^2$is an oxygen atom, a sulfenyl group, or the like, m is 0 or 1, n is 0 or 1, and the value of m+n is 1 or 2. In cases where A is a substituted or unsubstituted methylene group, the value of m+n is 2.



(I)

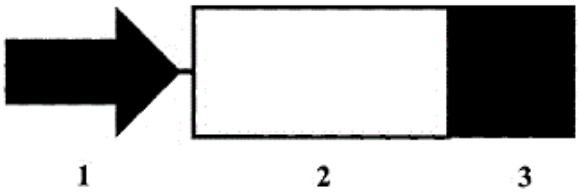
21: 2022/02312. 22: 2022/02/23. 43: 2023/09/14
51: E02F
71: CATERPILLAR GLOBAL MINING LLC
72: STRASHNY, IGOR, BAUER, CANDACE
33: GB 31: 1912276.1 32: 2019-08-27
54: FLUID DISTRIBUTION ASSEMBLY
00: -
The present disclosure is directed towards a fluid distribution assembly (28). The fluid distribution assembly (28) comprises a distribution device (100) comprising at least one device inlet (104) for receiving fluid and at least one device outlet (105) for directing fluid out of the distribution device (100). The fluid distribution assembly (28) comprises at least one distribution plate (101, 102) adjacent to the distribution device (100) comprising at least one distribution arrangement (120, 121, 122, 124) for controlling the communication of fluid to and/or from the at least one device inlet and/or outlet (104, 105).

21: 2022/02321. 22: 2022/02/23. 43: 2023/09/28
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, EROKHOVA, ALINA SERGEEVNA, IZHAEVA, FATIMA MAGOMETOVNA, SEMIKHIN, ALEKSANDR SERGEEVICH, BORISEVICH, SERGEY VLADIMIROVICH, NARODITSKY, BORIS SAVELIEVICH, LOGUNOV, DENIS YURYEVICH, GINTSBURG, ALEKSANDR LEONIDOVICH
33: RU 31: 2020127980 32: 2020-08-22

54: PHARMACEUTICAL AGENT FOR INDUCING SPECIFIC IMMUNITY AGAINST SARS-COV-2

00: -

The invention relates to biotechnology. The claimed agent can be used for the prevention of SARS- CoV-2. There is created a pharmaceutical agent, which contains component (1), comprising an agent in the form a genome of recombinant human adenovirus serotype (26), wherein with a placed expression cassette selected from SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, and which also contains component (2), comprising an agent in the form a genome of recombinant human adenovirus serotype (5), wherein with a placed expression cassette selected from SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3. Further, there is created a pharmaceutical agent, which contains component 1, comprising an agent in the form a genome of recombinant human adenovirus serotype (26), wherein with a placed expression cassette selected from SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3, and which also contains component (2), comprising an agent in the form a genome of recombinant simian adenovirus serotype (25), wherein with a placed expression cassette selected from SEQ ID NO: 4, SEQ ID NO: 2, SEQ ID NO: 3. Furthermore, there is created a pharmaceutical agent, which contains component 1, comprising an agent in the form a genome of recombinant simian adenovirus serotype (25), wherein with a placed expression cassette selected from SEQ ID NO: 4, SEQ ID NO: 2, SEQ ID NO: 3, and which also contains component (2), comprising an agent in the form a genome of recombinant human adenovirus serotype (5), wherein with a placed expression cassette selected from SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 3.



21: 2022/02376. 22: 2022/02/24. 43: 2023/09/14
51: C07C; C07D; C07B; A61P; A61K
71: PHARMAXIS LTD.
72: HAMPRECHT, DIETER WOLFGANG, FINDLAY, ALISON DOROTHY, TURNER, CRAIG IVAN, DEODHAR, MANDAR, GRECO, ANGELIQUE ELSA, JAROLIMEK, WOLFGANG, ZHOU, WENBIN
33: AU 31: 2019902641 32: 2019-07-25

54: DIFLUOROHALOALLYLAMINE SULFONE DERIVATIVE INHIBITORS OF LYSYL OXIDASES, METHODS OF PREPARATION, AND USES THEREOF

00: -

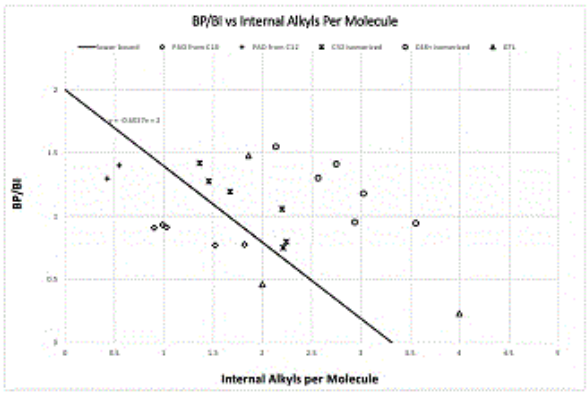
The present invention relates to methods for preparing a variety of difluorohaloallylamine derivatives. The present invention also relates to novel difluorohaloallylamine derivatives that are capable of inhibiting certain amine oxidase enzymes. These compounds are useful for the treatment of a variety of indications, e.g., fibrosis, cancer and/or scarring in human subjects as well as in pets and livestock. In addition, the present invention relates to pharmaceutical compositions containing these compounds, as well as uses thereof.

21: 2022/02382. 22: 2022/02/24. 43: 2023/09/14
51: C10M; C10N
71: CHEVRON U.S.A. INC.
72: VAN DAM, WILLEM, PATEL, MIHIR K, LEE, DAVID S
33: US 31: 62/886,407 32: 2019-08-14

54: METHOD FOR IMPROVING ENGINE PERFORMANCE WITH RENEWABLE LUBRICANT COMPOSITIONS

00: -

Provided herein are lubricant compositions comprising renewable base oils as embodied by hydrocarbon mixtures with controlled structure characteristics in combination with lubricant additives that address performance requirements and stricter environmental and fuel economy regulations. The lubricant composition provides performance in the cold crank simulated viscosity (CCS) vs Noack volatility relationship, which allows for the formulation of lower viscosity engine oils with improved fuel economy, improved fuel economy retention, and retained LSPI prevention additionally conferring improved characteristics to other devices or apparatus requiring lubrication.



21: 2022/02410. 22: 2022/02/25. 43: 2023/09/14

51: A61K; C07K; C08G

71: JOHANNES GUTENBERG-UNIVERSITÄT MAINZ, BIONTECH SE

72: BARZ, MATTHIAS, WEBER, BENJAMIN, HAAS, HEINRICH, HELLER, PHILIPP, NOGUEIRA, SARA, SCHLEGEL, ANNE

33: EP 31: PCT/EP2019/069551 32: 2019-07-19

33: EP 31: PCT/EP2018/076633 32: 2018-10-01

54: RNA PARTICLES COMPRISING POLYSARCOSINE

00: -

The present disclosure relates to RNA particles for delivery of RNA to target tissues after administration, in particular after parenteral administration such as intravenous, intramuscular, subcutaneous or intratumoral administration, and compositions comprising such RNA particles. The RNA particles in one embodiment comprise single-stranded RNA such as mRNA which encodes a peptide or protein of interest, such as a pharmaceutically active peptide or protein. The RNA is taken up by cells of a target tissue and the RNA is translated into the encoded peptide or protein, which may exhibit its physiological activity.

21: 2022/02438. 22: 2022/02/25. 43: 2023/09/14

51: H01Q

71: THE 54TH RESEARCH INSTITUTE OF CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION

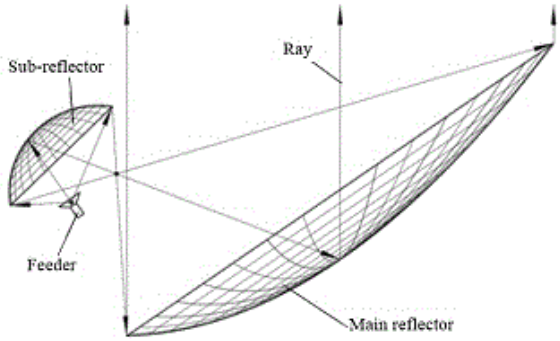
72: LIU, GUOXI, YANG, WENNING, DU, BIAO, ZHENG, YUANPENG, WU, YANG, NING, XIAOLEI, ZHAO, JUNHONG, YANG, JINRONG, CHEN, LONG, LIU, SHENGWEN

33: CN 31: 201910682977.9 32: 2019-07-26

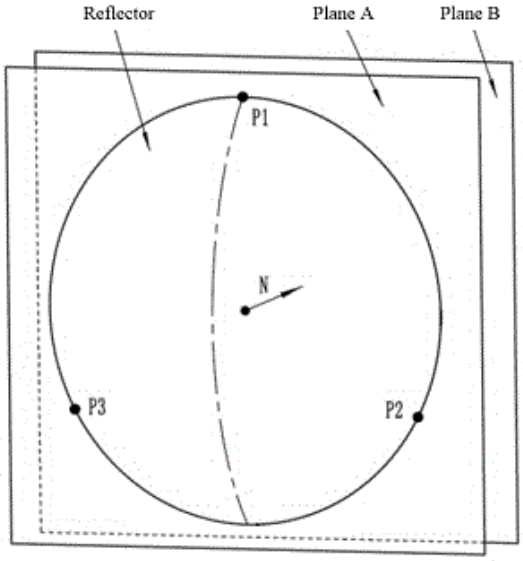
54: UNIFORMLY-PARTITIONED HIGH-PRECISION SUB-REFLECTOR DEVICE WITH A TWO-STAGE POSITION AND POSE ADJUSTMENT FUNCTION

00: -

The present invention discloses a uniformly-partitioned high-precision sub-reflector device with a two-stage position and pose adjustment function, relating to technical fields of communication, measurement and control, radio astronomy etc. The sub-reflector device of the present invention comprises an adjustment device, a sub-reflector, a single-layer space frame backup structure and a panel precise adjustment device. The adjustment device adopts movable and fixed platforms as a multi-rod six-degree-of-freedom sub-reflector adjustment mechanism for a plane truss to realize a primary pose adjustment of the sub-reflector; the sub-reflector is composed of a polygonal panel and several sectorial panels which are uniformly partitioned; the ratio of the number of inner and outer sides of the single-layer space frame backup structure is 1: 2, so as to provide a structural support for the sub-reflector; and the panel precise adjustment device is used for achieving a secondary pose adjustment of the sub-reflector. This device not only realizes a two-stage position and pose adjustment of the sub-reflector, but also improves the integral stiffness and reduces the overall weight of the sub-reflector, while improving the installation and adjustment efficiency and the adjustment precision.



21: 2022/02439. 22: 2022/02/25. 43: 2023/09/14
51: H01Q
71: THE 54TH RESEARCH INSTITUTE OF CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION
72: LIU, GUOXI, YANG, WENNING, DU, BIAO, ZHENG, YUANPENG, WU, YANG, NING, XIAOLEI, CHEN, LONG, YANG, JINRONG
33: CN 31: 201910682965.6 32: 2019-07-26
54: METHOD FOR PARTITIONING CURVED SURFACE OF REFLECTOR ANTENNA BASED ON EQUALIZED AREA AND MULTIPLE SHAPES
00: -
The present invention discloses a method for partitioning a curved surface of a reflector antenna based on an equalized area and multiple shapes, which relates to a partitioning technique of a curved surface of a reflector antenna in the fields such as communication, Telemetry, Track and Command, radio astronomy and the like. By utilizing the method, the partitioned reflector subunits are uniform in areas and regular in shapes, while a backup structure of an antenna is simplified, which can remarkably improve the surface precision of the antenna and reduce the manufacturing cost. The present invention is implemented through the following technical solution: solving an equalized area equation on a projection plane to obtain a radius of an inner circle, and making a planar polygon and sectors; projecting the planar polygon and the sectors onto a reflector; and finally determining gaps between subunits to obtain an antenna reflector composed of the polygon and the sectors. According to the present invention, each subunit can be easily processed and manufactured and can be easily positioned during assembly, the combined reflector has high precision, and the design difficulty of the backup structure can be reduced. The present invention is particularly suitable for designing and manufacturing a medium-aperture reflector antenna.



21: 2022/02545. 22: 2022/03/02. 43: 2023/11/03
51: H01R
71: BRUIN BIOMETRICS, LLC
72: BURNS, Martin, F., CAMPBELL, Bill, GIUNTOLI, David, M., RAPTIS, Mark, ROSS, Graham, O.
33: US 31: 62/744,513 32: 2018-10-11
33: US 31: 62/804,095 32: 2019-02-11
54: DEVICE WITH DISPOSABLE ELEMENT
00: -
The construction of a medical device having a disposable element is disclosed. Detachable elements comprising a body having a retention feature, an electrical contactor, and sensors are also disclosed. Further disclosed are detachable elements comprising a body having a hole and a retention pocket, an electrical contactor, and a printed circuit board assembly (PCB) in contact with the innermost surface of the body that forms the retention pocket. Further disclosed are detachable elements comprising a body having an opening and a printed film comprising conductive elements, where the conductive elements comprise a sensor configured to be aligned with the opening to expose the sensor. Further disclosed are reusable components having matching retention features.

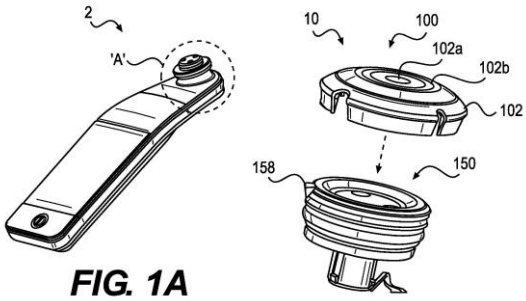


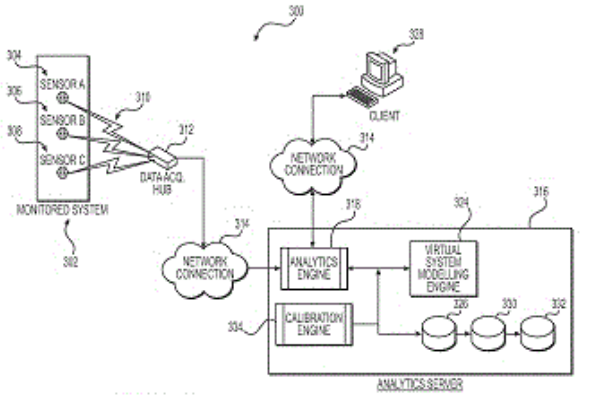
FIG. 1A FIG. 1B

21: 2022/02580. 22: 2022/03/02. 43: 2023/09/14
51: G06N; B61L
71: PROGRESS RAIL SERVICES CORPORATION
72: HOWARD, BRADLEY, BRAND, JOHN
33: US 31: 16/561,421 32: 2019-09-05

54: MAINTENANCE OF DISTRIBUTED TRAIN CONTROL SYSTEMS USING MACHINE LEARNING

00: -

A machine learning system for maintaining distributed computer control systems for a train may include a data acquisition hub (312) communicatively connected to a plurality of sensors (304, 306, 308) configured to acquire real-time configuration data from one or more of the computer control systems. The machine learning system may also include an analytics server (316) communicatively connected to the data acquisition hub (312). The analytics server (316) may include a virtual system modeling engine (324) configured to model an actual train control system (302) comprising the distributed computer control systems, a virtual system model database (326) configured to store one or more virtual system models of the distributed computer control systems, wherein each of the one or more virtual system models includes preset configuration settings for the distributed computer control systems, and a machine learning engine (318) configured to monitor the real-time configuration data and the preset configuration settings. The machine learning engine (318) may warn when there is a difference between the real-time configuration data and the preset configuration settings, the difference being indicative of at least two of the distributed computer control systems being out of synchronization by more than a threshold deviation.

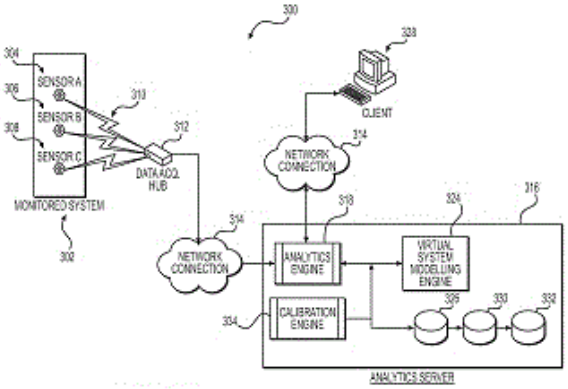


21: 2022/02581. 22: 2022/03/02. 43: 2023/09/14
51: B61L; G06N
71: PROGRESS RAIL SERVICES CORPORATION
72: HOWARD, BRADLEY, BRAND, JOHN
33: US 31: 16/561,468 32: 2019-09-05

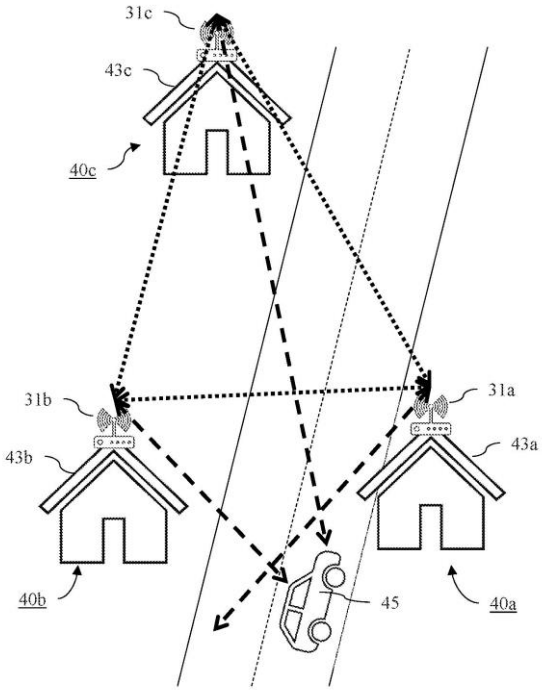
54: MACHINE LEARNING BASED TRAIN CONTROL

00: -

A train control system using machine learning for development of train control strategies includes a machine learning engine (318). The machine learning engine receives training data from a data acquisition hub (312), including a plurality of first input conditions and a plurality of first response maneuvers associated with the first input conditions. The machine learning engine trains a learning system using the training data to generate a second response maneuver based on a second input condition using a learning function including at least one learning parameter. Training the learning system includes providing the training data as an input to the learning function, the learning function being configured to use the at least one learning parameter to generate an output based on the input, causing the learning function to generate the output based on the input, comparing the output to the plurality of first response maneuvers to determine a difference between the output and the plurality of first response maneuvers, and modifying the at least one learning parameter to decrease the difference responsive to the difference being greater than a threshold difference.



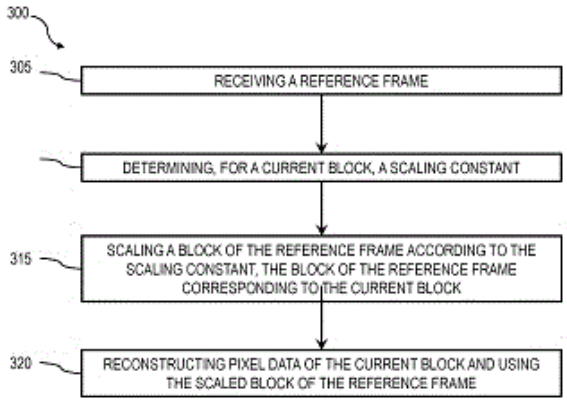
21: 2022/02585. 22: 2022/03/02. 43: 2023/09/06
51: E04D; H01Q; H04B
71: BMIC LLC
72: ROBINSON, Rich, RILEY, Xavier
33: US 31: 62/895,855 32: 2019-09-04
54: 5G-ENABLED INTEGRATED ROOFING ACCESSORY AND METHODS OF USE THEREOF
00: -
In some embodiments, the present disclosure provides a system of integrated roofing accessories on a plurality of roofs, where at least one integrated roofing accessory on each roof may include: i) at least one transceiver configured to produce millimeter wave (mm Wave) frequency signals using fifth generation cellular networking (5G) protocols, ii) at least one dielectric antenna in electrical communication with the at least one transceiver for emitting the mm Wave frequency signals according to the at least one 5G protocol, iii) an edge computing device having at least one processor and at least one non-transitory storage with software to operate the edge computing device in communication with the at least one transceiver, and iv) at least one power supply. The software is configured to cause, when executed, the integrated roofing accessories to form a 5G network using the mm Wave frequency signals which communicates with at least one computing device.



21: 2022/02673. 22: 2022/03/04. 43: 2023/09/14
51: C12N; A61K
71: AIM IMMUNOTECH INC.
72: EQUELS, THOMAS K, STRAYER, DAVID R
33: US 31: 63/065,475 32: 2020-08-13
33: US 31: 62/931,098 32: 2019-11-05
33: US 31: 63/065,476 32: 2020-08-13
33: US 31: 62/924,591 32: 2019-10-22
54: METHODS AND COMPOSITIONS FOR TREATING ENDOMETRIOSIS
00: -
Disclosed is a method for treating endometriosis, preventing endometriosis, or ameliorating a symptom of endometriosis in a subject comprising the step of administering to the subject a therapeutically effective amount of a pharmaceutical composition comprising as an active ingredient a therapeutic dsRNA (tdsRNA).

21: 2022/02679. 22: 2022/03/04. 43: 2023/09/14
51: H04N
71: OP SOLUTIONS, LLC
72: KALVA, HARI, ADZIC, VELIBOR, FURHT, BORIVOJE
33: US 31: 62/883,407 32: 2019-08-06
54: BLOCK-BASED ADAPTIVE RESOLUTION MANAGEMENT
00: -

A method includes receiving a reference frame, determining, for a current block, a scaling constant; scaling a block of the reference frame according to the scaling constant, the block of the reference frame corresponding to the current block, and reconstructing pixel data of the current block and using the scaled block of the reference frame. Related apparatus, systems, techniques and articles are also described.



21: 2022/02712. 22: 2022/03/07. 43: 2023/09/13
51: A61K; C07K
71: LUNELLA BIOTECH, INC.
72: LISANTI, MICHAEL P, SOTGIA, FEDERICA
33: US 31: 62/508,702 32: 2017-05-19
54: ANTIMITOSCINS: TARGETED INHIBITORS OF MITOCHONDRIAL BIOGENESIS FOR ERADICATING CANCER STEM CELLS
00: -
Antibiotics in the erythromycin family having intrinsic anti-mitochondrial properties may be chemically modified to target the antibiotics to mitochondria, and the resulting "antimitoscins" may have enhanced anti-cancer properties, among other advantageous properties. Also described are methods of using a compound comprising a member of the erythromycin family modified with at least one membrane targeting signal to target cancer, and pharmaceutical compositions for treating cancer containing a member of the erythromycin family modified with at least one membrane targeting signal, as the active ingredient.

21: 2022/02733. 22: 2022/03/07. 43: 2023/09/14
51: F16C; B62D; F16G
71: CATERPILLAR INC.
72: JONES, BENJAMIN I, WANG, JIANJUN
33: US 31: 16/564,305 32: 2019-09-09
54: CARTRIDGE PIN ASSEMBLY COMPRISING A SLEEVE BEARING HAVING A FLARED END AND TRACK CHAIN ASSEMBLY COMPRISING CARTRIDGE PIN ASSEMBLY
00: -
A cartridge pin assembly (300) in a track chain assembly (200) includes a sleeve bearing (400) having a flared end (402).

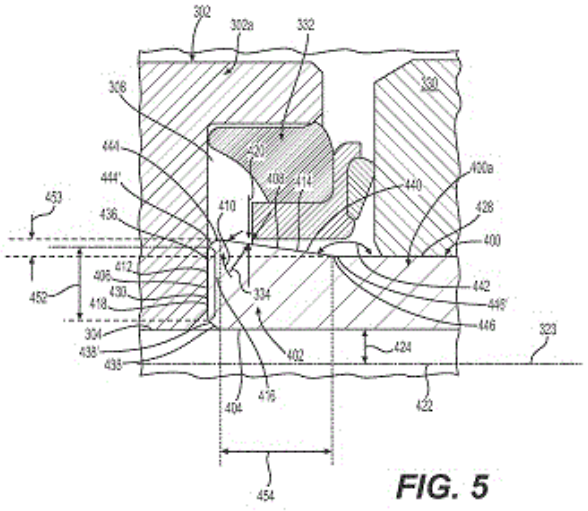
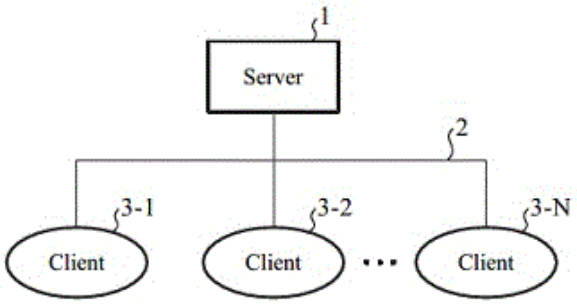
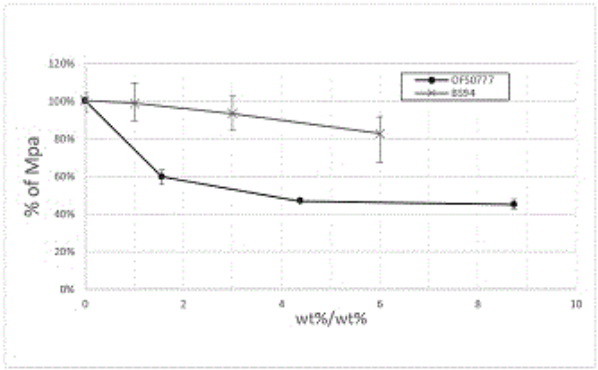


FIG. 5

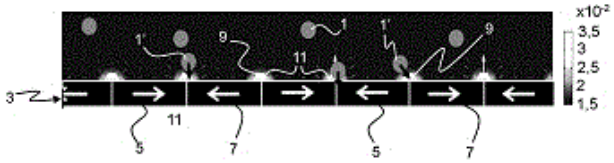
21: 2022/02734. 22: 2022/03/07. 43: 2023/09/14
51: G06N
71: MITSUBISHI ELECTRIC CORPORATION
72: MINEZAWA, AKIRA
54: DATA PROCESSING DEVICE, DATA PROCESSING SYSTEM, AND DATA PROCESSING METHOD
00: -
The present invention is provided with: a data processing unit (10) for learning a neural network; and an encoding unit (11) for generating encoded data in which model header information for identifying models of the neural network, layer header information for identifying layers of the neural network, and edge weight information in units of layers are encoded, wherein the encoding unit (11) encodes layer structure information indicating a layer structure of the neural network and a new layer flag indicating whether each of the layers to be encoded is a new layer or an update of a layer of a reference model.



21: 2022/02735. 22: 2022/03/07. 43: 2023/09/14
51: C04B
71: ETEX BUILDING PERFORMANCE INTERNATIONAL SAS
72: MARTIN, DANIEL
33: EP 31: 19195153.2 32: 2019-09-03
54: WATER REPELLENT COMPOSITION
00: -
A water repellent composition comprising slag and organosiliconate salt characterized in that the concentration of the slag is from 1-5 wt% based on the weight of the plaster and the concentration of organosiliconate salt is from 0.5-2 wt% based on the weight of the plaster.

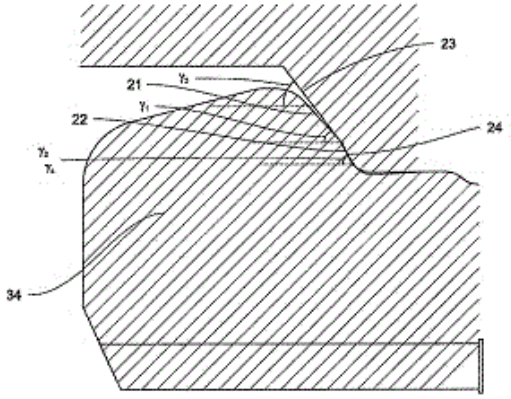


21: 2022/02800. 22: 2022/03/08. 43: 2023/09/13
51: G01N
71: CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, INSTITUT POLYTECHNIQUE DE GRENOBLE
72: BLAIRE, GUILLAUME, CUGAT, ORPHÉE, VIEILLE, VICTOR
33: FR 31: FR1909561 32: 2019-08-30
54: KIT AND MOLECULE FOR CAPTURING A MOLECULE WITH MAGNETIC MEANS
00: -
The invention relates to a kit and a method for capturing a molecule contained in a sample by means of at least one magnetic layer comprising a, possibly repeated, juxtaposition of at least one first and one second region, the first region comprising magnetic particles polarized in a first direction and the second region comprising magnetic particles that are non-polarized or polarized in a second direction different from the first direction of polarization of the magnetic particles of the first region, so as to generate a magnetic field having at least one variation in intensity of at least 0.1 mT at a distance of at least 1 μm from said at least one magnetic layer, said variation defining a maximum of the standard of the intensity of said magnetic field and level therewith a zone for capturing magnetic nanoparticles on the capture support.

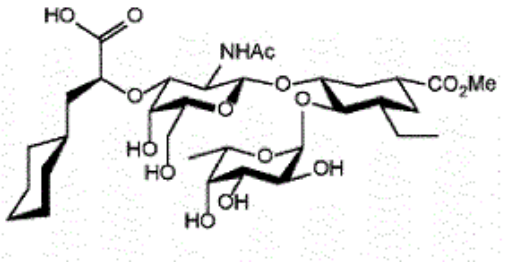


21: 2022/02846. 22: 2022/03/09. 43: 2023/11/10
51: A61K; C07K; A61P
71: REGENERON PHARMACEUTICALS, INC.
72: ORENGO, Jamie, MURPHY, Andrew, J.
33: US 31: 61/642,083 32: 2012-05-03
33: US 31: 61/718,044 32: 2012-10-24
33: US 31: 61/783,312 32: 2013-03-14
54: HUMAN ANTIBODIES TO FEL D1 AND METHODS OF USE THEREOF
00: -
The present invention provides antibodies that bind to the cat allergen, Fel d1, compositions comprising the antibodies, nucleic acids encoding the antibodies and methods of use of the antibodies. According to certain embodiments of the invention, the antibodies are fully human monoclonal antibodies that bind to Fel d1. The antibodies of the invention are useful for binding to the Fel d1 allergen in vivo, thus preventing binding of the Fel d1 allergen to pre-formed IgE on the surface of mast cells or basophils. In doing so, the antibodies act to prevent the release of histamine and other inflammatory mediators from mast cells and/or basophils, thus ameliorating the untoward response to the cat allergen in sensitized individuals. The antibodies of the invention may also be useful for diagnostic purposes to determine if a patient is allergic to the Fel d1 cat allergen.

21: 2022/02878. 22: 2022/03/09. 43: 2023/09/13
51: E04F
71: FLOORING INDUSTRIES LIMITED, SARL
72: DE RICK, JAN
33: BE 31: 2019/5659 32: 2019-10-08
54: FLOOR PANEL FOR FORMING A FLOOR COVERING
00: -
A floor panel contains opposite edges that contain coupling parts to link two floor panels. These coupling parts contain locking planes: first and second locking planes on the first edge with an enclosed angle between 90° and 175°; and third and fourth locking planes on the second edge with an enclosed angle between 90° and 175°. The first locking plane is closer to the top of the floor panel than the second locking plane. The angle with the surface of the floor panel of the first locking plane is smaller than that of the second locking plane. The angle with the floor plane surfaces of the third locking plane is smaller than that of the fourth locking plane. The second locking plane is provided for interaction with the fourth locking plane of a coupled panel. The first locking plane is provided for interaction with the third locking plane of a coupled panel.



21: 2022/02879. 22: 2022/03/09. 43: 2023/09/13
51: C07H
71: GLYCOMIMETICS, INC.
72: FLANNER, HENRY H, PETERSON, JOHN M, SARKAR, ARUN K., MAGNANI, JOHN L., OSSWALD, GERD, SCHWIZER, DANIEL, LANZ, MARC, KYAS, ANDREAS HELMUT BERND
33: US 31: 62/889,326 32: 2019-08-20
54: PROCESS FOR PREPARING AN E-SELECTIN INHIBITOR INTERMEDIATE
00: -
A process is provided for the synthesis of an intermediate of Formula 15 which is useful in the synthesis of E-selectin inhibitors. Also provided are useful intermediates obtained from the process.

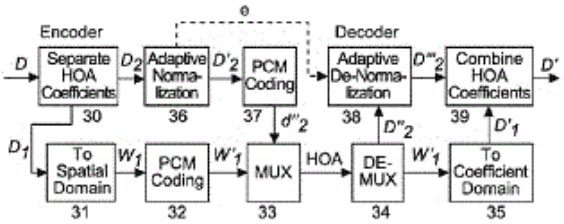


(15)

21: 2022/02881. 22: 2022/03/09. 43: 2023/09/13
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BATCHELOR, STEPHEN NORMAN, BURNHAM, NEIL STEPHEN
33: EP 31: 19201647.5 32: 2019-10-07
54: DETERGENT COMPOSITION
00: -
The invention concerns a detergent composition, comprising: a) from 5 to 50 wt.%, preferably from 5 to 40 wt.%, more preferably from 6 to 30 wt.% of a diacetyltartaric acid ester derivative of a monoglyceride; b) from 0.0001 to 5 wt.%, of further laundry ingredients selected from: perfumes, protease enzymes, amylase enzymes, cellulase enzymes and preservatives; and, c) from 0.5 to 40 wt.%, more preferably from 1 to 30 wt.% of an anionic surfactant; wherein the preservative, if present, prevents bacterial, mold or fungal growth; and to a domestic method of treating a textile comprising treatment of the textile with an aqueous solution of 0.15 to 20 g/L of said detergent composition.

21: 2022/02891. 22: 2022/03/10. 43: 2023/09/13
51: G10L; H04S
71: DOLBY INTERNATIONAL AB
72: KORDON, SVEN, KRUEGER, ALEXANDER
33: EP 31: 13305986.5 32: 2013-07-11
54: METHOD AND APPARATUS FOR GENERATING FROM A COEFFICIENT DOMAIN REPRESENTATION OF HOA SIGNALS A MIXED SPATIAL/COEFFICIENT DOMAIN REPRESENTATION OF SAID HOA SIGNALS
00: -
There are two representations for Higher Order Ambisonics denoted HOA: spatial domain and

coefficient domain. The invention generates from a coefficient domain representation a mixed spatial/coefficient domain representation, wherein the number of said HOA signals can be variable. A vector of coefficient domain signals is separated into a vector of coefficient domain signals having a constant number of HOA coefficients and a vector of coefficient domain signals having a variable number of HOA coefficients. The constant-number HOA coefficients vector is transformed to a corresponding spatial domain signal vector. In order to facilitate high-quality coding, without creating signal discontinuities the variable-number HOA coefficients vector of coefficient domain signals is adaptively normalised and multiplexed with the vector of spatial domain signals.

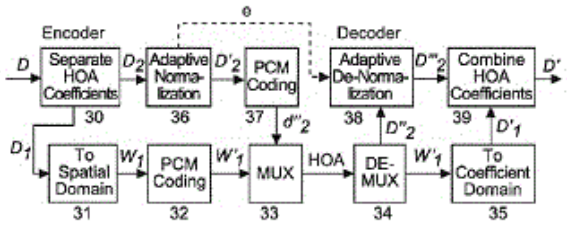


21: 2022/02892. 22: 2022/03/10. 43: 2023/09/13
51: G10L; H04S
71: DOLBY INTERNATIONAL AB
72: KORDON, SVEN, KRUEGER, ALEXANDER
33: EP 31: 13305986.5 32: 2013-07-11

54: METHOD AND APPARATUS FOR GENERATING FROM A COEFFICIENT DOMAIN REPRESENTATION OF HOA SIGNALS A MIXED SPATIAL/COEFFICIENT DOMAIN REPRESENTATION OF SAID HOA SIGNALS

00: -

There are two representations for Higher Order Ambisonics denoted HOA: spatial domain and coefficient domain. The invention generates from a coefficient domain representation a mixed spatial/coefficient domain representation, wherein the number of said HOA signals can be variable. A vector of coefficient domain signals is separated into a vector of coefficient domain signals having a constant number of HOA coefficients and a vector of coefficient domain signals having a variable number of HOA coefficients. The constant-number HOA coefficients vector is transformed to a corresponding spatial domain signal vector. In order to facilitate high-quality coding, without creating signal discontinuities the variable-number HOA coefficients vector of coefficient domain signals is adaptively normalised and multiplexed with the vector of spatial domain signals.

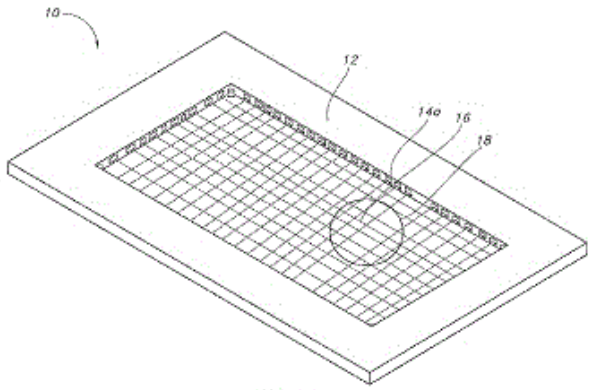


21: 2022/02921. 22: 2022/03/10. 43: 2023/09/13
51: G08B
71: CUTTING EDGE PACKAGING SOLUTIONS
72: VEGLIANTE, PAUL
33: US 31: 16/561,586 32: 2019-09-05

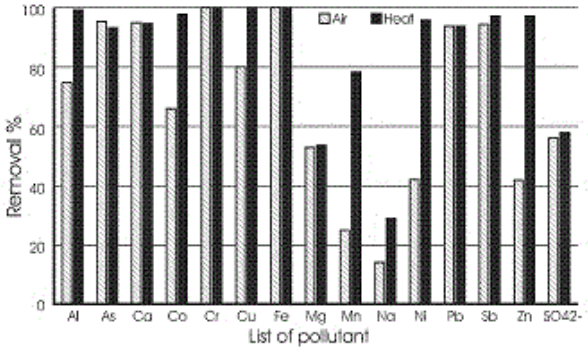
54: SYSTEM AND METHOD FOR AUTOMATICALLY DETECTING UNAUTHORIZED ENTRY INTO A POOL

00: -

A system and method for automatically detecting unauthorized entry into a pool requiring no user involvement, and having a high degree of accuracy. The system comprises a plurality of light beam emitter devices and a plurality of light beam receiver devices positioned along an interior perimeter of the pool and a processor in communication with the plurality of light beam emitter devices and the plurality of light beam receiver devices. The plurality of light beam emitter devices emit a plurality of light beams and the plurality of light beam receiver devices receive a plurality of emitted light beams to form a grid extending across the pool. Additionally, the processor monitors the grid, detects unauthorized entry into the pool based on an interruption of the grid, and generates and transmits an alarm message based on whether a level of the interruption of the grid exceeds a predetermined threshold.



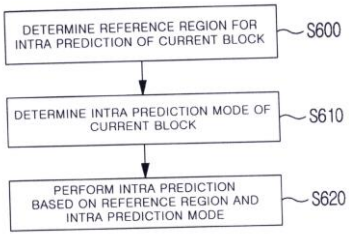
21: 2022/02984. 22: 2022/03/11. 43: 2023/09/13
51: C02F
71: UNIVERSITY OF SOUTH AFRICA
72: MAMBA, BHEKIE BRILLIANCE, KEFENI, KEBEDE KETEREW
33: ZA 31: 2019/06052 32: 2019-09-13
54: A PROCESS FOR TREATING ACID MINE DRAINAGE
00: -
This invention relates to a process for treating acid mine drainage (AMD). The process includes the steps of adjusting the pH of the AMD to be in the range of 3 to 5; adding maghemite nanoparticles to form a slurry; and a) aerating the slurry obtained in step 3), or b) simultaneously heating and mixing the slurry obtained in step 3). Thereafter maghemite nanoparticles loaded with one or more metals and sulphate and precipitated metals is separated from the slurry.



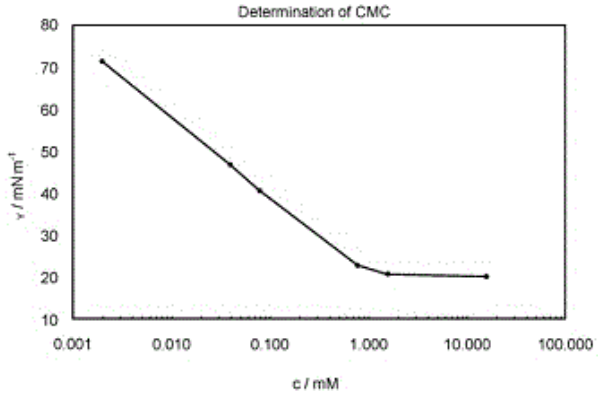
21: 2022/02985. 22: 2022/03/11. 43: 2023/09/13
51: C12N; A61K; A61P; C12R
71: FEDERAL STATE BUDGETARY INSTITUTION "NATIONAL RESEARCH CENTRE FOR EPIDEMIOLOGY AND MICROBIOLOGY NAMED AFTER THE HONORARY ACADEMICIAN N.F. GAMALEYA" OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION
72: ZUBKOVA, OLGA VADIMOVNA, 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: 2021103101 32: 2021-02-10
54: AGENT FOR INDUCTION OF SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS (SARS-COV-2) IN LYOPHILIZED FORM (VERSIONS)
00: -
The invention relates to a biomolecule agent for inducing specific immunity against severe acute respiratory syndrome virus SARS-CoV-2, in lyophilized (freeze-dried) 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, and an integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, or SEQ ID NO:3; or the genome of the recombinant strain of simian adenovirus serotype 25, wherein the E1 and E3 regions are deleted, and an integrated expression cassette is selected from SEQ ID NO:4, SEQ ID NO:2, or SEQ ID NO:3. The genome of the recombinant strain of human adenovirus serotype 26 may include the ORF6-Ad26 region replaced by ORF6-Ad5. A buffer solution for reconstitution of the lyophilized form of the agent may contain the following, mass%: tris from 0.0180-0.0338; sodium chloride from 0.1044-0.1957; sucrose from 5.4688-10.2539; magnesium chloride hexahydrate from 0.0015-0.0028; EDTA from 0.0003-0.0005;

polysorbate-80 from 0.0037-0.0070; 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.

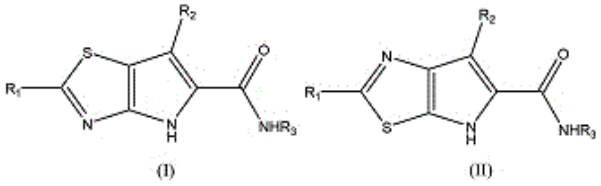
21: 2022/02999. 22: 2022/02/28. 43: 2023/11/13
51: H04N
71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
72: KIM, Ki Baek
33: WO 31: PCT/KR2019/011556 32: 2019-09-06
33: KR 31: 10-2018-0107250 32: 2018-09-07
33: KR 31: 10-2018-0110815 32: 2018-09-17
33: KR 31: 10-2018-0112528 32: 2018-09-19
54: METHOD AND 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: 2022/03033. 22: 2022/03/14. 43: 2023/09/13
51: C07F
71: ADVANSIX RESINS & CHEMICALS LLC
72: ASIRVATHAM, EDWARD, HONCIUC, ANDREI, MIHALI, VOICHITA
33: US 31: 62/890,341 32: 2019-08-22
54: SILOXANE DERIVATIVES OF AMINO ACIDS HAVING SURFACE-ACTIVE PROPERTIES
00: -
The present disclosure provides siloxane 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 with a siloxane group to form a compound that is surface-active and has surfactant characteristics. The compounds have low critical micelle concentrations (CMC) as well as the ability to lower the surface tension of a liquid.

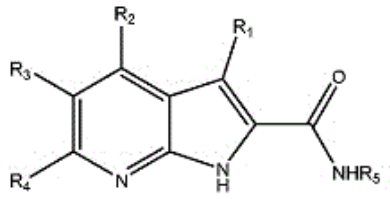


21: 2022/03106. 22: 2022/03/15. 43: 2023/09/13
51: A61K; C07D
71: THE GLOBAL ALLIANCE FOR TB DRUG DEVELOPMENT, INC.
72: KANEKO, TAKUSHI, FOTOUHI, NADER
33: US 31: 62/906,452 32: 2019-09-26
54: THIAZOLE CARBOXAMIDE COMPOUNDS AND USE THEREOF FOR THE TREATMENT OF MYCOBACTERIAL INFECTIONS
00: -
Provided herein are compounds of Formula (I) and Formula (II) as well as pharmaceutically acceptable salts thereof, wherein the substituents are as those disclosed in the specification. These compounds, and the pharmaceutical compositions containing them, are useful for the treatment of tuberculosis.

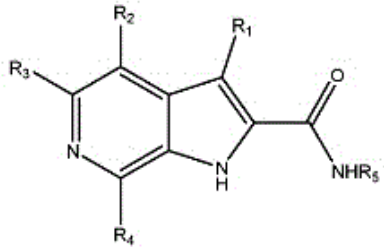


21: 2022/03107. 22: 2022/03/15. 43: 2023/09/13
51: A61K; C07D
71: THE GLOBAL ALLIANCE FOR TB DRUG DEVELOPMENT, INC.
72: KANEKO, TAKUSHI, FOTOUHI, NADER
33: US 31: 62/906,461 32: 2019-09-26
54: AZAINDOLE CARBOXAMIDE COMPOUNDS FOR THE TREATMENT OF MYCOBACTERIAL INFECTIONS

00: -
Provided herein are compounds of Formula (I) and Formula (II): as well as pharmaceutically acceptable salts thereof, wherein the substituents are as those disclosed in the specification. These compounds, and the pharmaceutical compositions containing them, are useful for the treatment of tuberculosis.

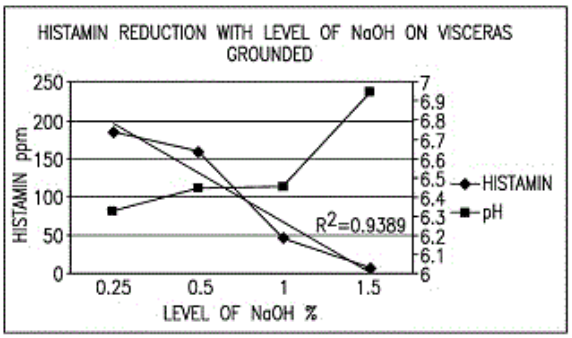


(I)



(II),

21: 2022/03145. 22: 2022/03/16. 43: 2023/09/13
51: A23B; A23K; A23L
71: MARS, INCORPORATED
72: NEBOUT, JEAN-MICHEL, MOLINA, LUIS
33: EP 31: 19306262.7 32: 2019-10-02
54: METHODS OF TREATING ANIMAL PROTEINS
00: -
The presently disclosed subject matter provides methods of treating animal proteins and pet food products including the same. Methods include treating animal proteins with one or more base compounds to increase the pH thereof to provide for increased preservation and the reduction of spoilage of the animal protein.



21: 2022/03150. 22: 2022/03/16. 43: 2023/09/13
51: A61Q; A61K
71: UNILEVER GLOBAL IP LIMITED
72: BEKTO, HASIBA, HUANG, LEI, MOADDEL, TEANOOSH
33: EP 31: 19205384.1 32: 2019-10-25
54: COSMETIC COMPOSITION WITH ENHANCED COLOR STABILITY
00: -
The present invention is directed to a personal care composition containing resorcinols. An effective way to improve the color stability of compositions comprising resorcinols is desired. It has been found that alkylresorcinols and retinoids in combination with a compatible oil and specific ratios of antioxidants provide for improved color stability of the resorcinols. The invention thus relates to a composition comprising a synergistic combination of butylated hydroxytoluene and dilauryl thiodipropionate with alkylresorcinols and retinoids.

21: 2022/03201. 22: 2022/03/17. 43: 2023/09/13
51: A61K
71: TOTUS MEDICINES INC.
72: DHAWAN, NEIL SONIN, BLAIR, JAMES ABELLERA, PERNI, ROBERT B
33: US 31: 62/902,554 32: 2019-09-19
33: US 31: 63/078,055 32: 2020-09-14
54: THERAPEUTIC CONJUGATES
00: -
This disclosure generally relates to therapeutic conjugates that covalently bind to a biological target. Methods of administering the compositions to a subject in need thereof are also provided herein.

21: 2022/03205. 22: 2022/03/17. 43: 2023/10/16
51: H01R
71: DETNET SOUTH AFRICA (PTY) LTD

72: OLWAGE, Phillip, BOTHA, Marius Christo, BEUKES, Chris Andre
33: ZA 31: 2019/06570 32: 2019-10-07
54: A CONNECTOR
00: -
A connector which includes a first component with a set of conductive terminals, a second component which is pivotally connected to the first component and which is movable between a first position at which the terminals are exposed and a second position at which the second component overlies the terminals and the first component, and a catch which maintains the components in the second position and which has a flexible lever which is actuable to release the second component from the second position.

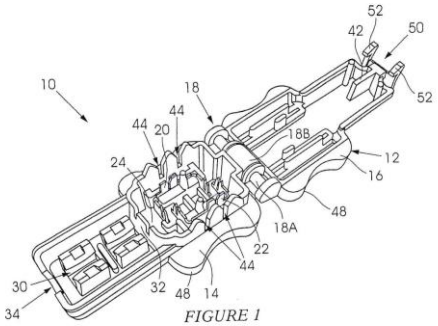
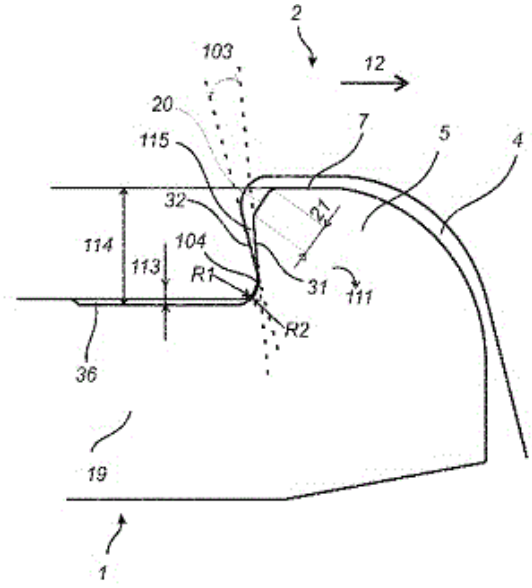


FIGURE 1

21: 2022/03263. 22: 2022/03/18. 43: 2023/09/13
51: E04F
71: VÄLINGE INNOVATION AB
72: NILSSON, ANDERS, QUIST, KARL, YLIKANGAS, ROGER, BOO, FREDRIK
33: EP 31: 19199250.2 32: 2019-09-24
54: SET OF PANELS WITH MECHANICALLY LOCKING EDGES
00: -
A set of panels including first and second panels (1, 2). The first and second panels respectively include first and second edges. The first edge includes a locking strip (19) with a locking element (5) configured to cooperate with a locking groove (4) at the second edge for locking the first edge (17) to the second edge (18). The locking element (5) includes a first locking surface (31) at a first angle (101) from a plane parallel to the first panel surface (15) and the locking groove includes a second locking surface (32) at a second angle (102) from a plane parallel to the third panel surface (13). The first angle (101) is different from the second angle (102) such that the first locking surface (31) converges towards the second locking surface (32) at a cooperation part (104) in a locked position. The first locking surface (31) cooperates with the second locking surface (32) at the cooperation part (104).



21: 2022/03265. 22: 2022/03/18. 43: 2023/09/13
51: B01D; F26B
71: JINGJIN EQUIPMENT INC.
72: LI, JIAN, WANG, HONGBING, LIU, GUOZHI, WANG, XIN
33: CN 31: 201921357037.4 32: 2019-08-21
54: BLOWBACK BLOCKAGE REMOVING APPARATUS FOR DRYING MACHINE DUST SCREEN, DUST-PROOF DEVICE, AND DRYING MACHINE
00: -
A blowback blockage removing apparatus for a drying machine dust screen, and a dust-proof device and a drying machine comprising the blowback blockage removing apparatus. The blowback blockage removing apparatus comprises a high-pressure air main pipe (20), a high-pressure air transverse pipe (30), high-pressure air branch pipes (40), flow dividing connecting pipes (50), and blowback fan-shaped nozzles (60). The length of each of the high-pressure air branch pipes (40) is equal to the length of an A-shaped dust screen (10); both ends of the high-pressure air branch pipe are closed and an opening in the middle of the upper portion is welded to the flow dividing connecting pipe (50), and the blowback fan-shaped nozzles (60) are evenly and densely arranged in a staggered manner

on both sides; the number of rows of the high-pressure air branch pipes (40) is equal to the number of sections of the A-shaped dust screens (10) so as to form a dense spray form; the blowback fan-shaped nozzles (60) are located between two A-shaped dust screens (10).

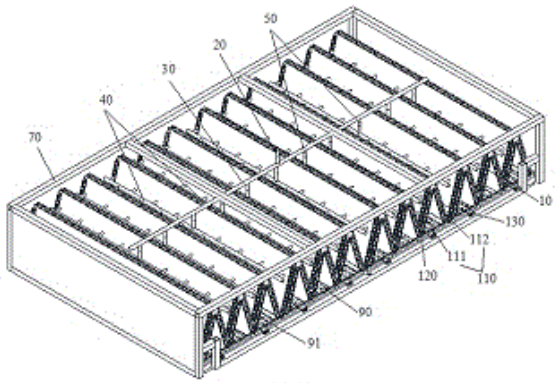
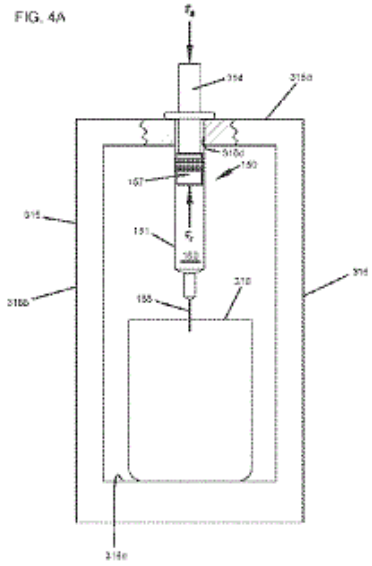


Fig. 1

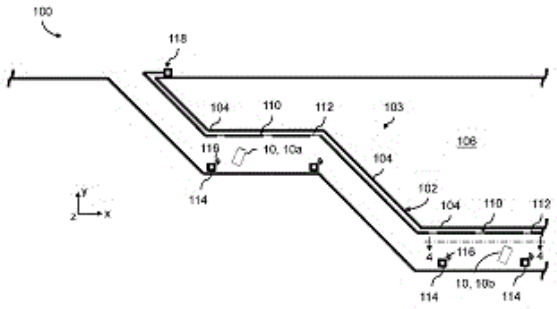
21: 2022/03331. 22: 2022/03/22. 43: 2023/09/18
51: A61M; A61K
71: TEVA PHARMACEUTICALS INTERNATIONAL GMBH
72: GIBSON, PAUL ANDREW CHRISTOPHER, CUMMINGS, EDWARD ANDREW
33: US 31: 62/734,209 32: 2018-09-20
54: INJECTION SPRING FOR AGED PREFILLED SYRINGE AND AUTO INJECTOR
00: -
A method of adapting an auto injector configured to actuate a prefilled syringe, the auto injector having a biasing member having a spring constant, the prefilled syringe being filled with a volume of therapeutic fluid, the prefilled syringe including a barrel, stopper, and a needle, the stopper having a path of travel, the biasing member arranged to move the stopper along the path of travel. An auto injector having an injection spring adapted to an aged prefilled syringe.

FIG. 4A



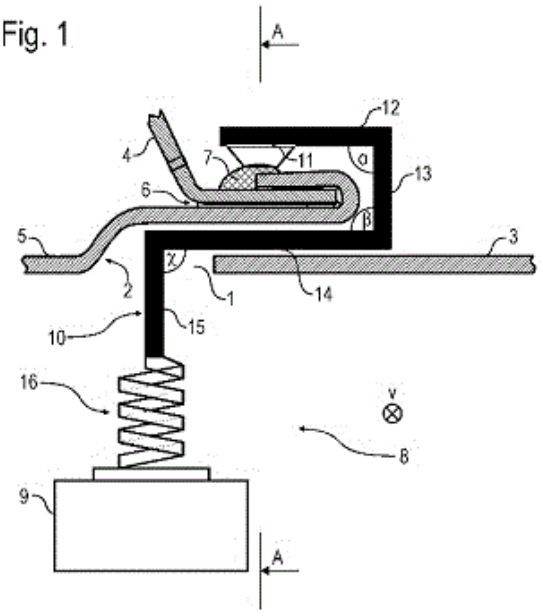
21: 2022/03410. 22: 2022/03/23. 43: 2023/09/18
51: G01S; E21F; G08B; H01Q; H02J; H04W
71: SOLUTIONS AMBRA INC.
72: L'HEUREUX, ERIC, LEVEILLEE, ALEX
33: US 31: 62/895,027 32: 2019-09-03
54: INTERIOR POSITIONING SYSTEM FOR TRACKING COMMUNICATION DEVICES WITHIN A REMOTE LOCATION, AND METHOD THEREFORE
00: -
There is described an interior positioning system for tracking spatial position of communication devices within a remote location. The interior positioning system generally has: a radio frequency network distributed through said remote location; beacons spaced- apart from one another throughout said remote location and powered by said radio frequency network, each beacon locally emitting a corresponding beacon identifier which when received by a nearby communication device is communicated over said radio frequency network by said communication device; and a tracking controller being communicatively coupled to said radio frequency network, said tracking controller stored thereon tracking data associating each of said beacon identifiers to respective spatial coordinates, and instructions that when executed perform the steps of: receiving said beacon identifier communicated over said radio frequency network by said communication device, and determining spatial coordinates of said communication device by cross

referencing said received beacon identifier to said tracking data.



21: 2022/03455. 22: 2022/03/24. 43: 2023/09/18
51: B05B; B05C
71: DÜRR SYSTEMS AG
72: KRAFT, BERND, HALBGEWACHS, MARTIN
33: DE 31: 10 2019 122 918.9 32: 2019-08-27
54: APPLICATOR FOR APPLYING A SEALING COMPOUND ONTO AN EDGING FOLD
00: -
The invention relates to an applicator (8) for applying a coating agent (e.g. sealant) onto a component (2, 3, 4) (e.g. motor vehicle body component), comprising a nozzle (11) for dispensing the coating agent and an elongated nozzle support (10) which supports the nozzle (11). According to the invention, the nozzle support (10) has a flexible region (16) in which the nozzle support (10) is substantially less flexurally rigid than in the rest of the nozzle support (10) in order to allow the support to elastically yield to contact forces when the applicator (8) contacts the component (2, 3, 4) to be coated.

Fig. 1



21: 2022/03504. 22: 2022/03/25. 43: 2023/09/27
51: A61K; A61P
71: SQUARE POWER LTD
72: -
33: EP 31: 19020505.4 32: 2019-09-03
54: REBAMIPIDE FOR USE IN PROPHYLAXIS AND TREATMENT OF CANCER
00: -
The present invention relates to rebamipide for use in a method of prophylaxis and/or treatment of cancer in a person suffering from increased intestinal permeability or in a person who is at risk of increased intestinal permeability, e.g. due to family anamnesis or due to exposure to conditions or substances inducing increased intestinal permeability.

21: 2022/03505. 22: 2022/03/25. 43: 2023/09/18
51: B65D
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: DELAGRANGE, DONALD P, PAREDES, RAUL M
33: US 31: 16/569,082 32: 2019-09-12
54: GLASS CONTAINER WITH RING PULL CAP RIM
00: -
A glass container (12, 112, 212) includes a sidewall (18) circumscribing a central longitudinal axis (A), and including a neck finish (26, 126, 226), which includes a wall (29, 229) having a radially inner surface (46, 246) and a radially outer surface (48,

148, 248) and a rim (30, 130, 230) extending from the wall. The rim has a sealing lip (32, 132), an outward lip (36, 136, 236), and a retention lip (38, 138) extending between the outward lip and the radially outer surface of the wall. Various dimensions of the rim are disclosed. A package (10) includes the glass container and a ring pull cap closure (14) coupled to the rim.

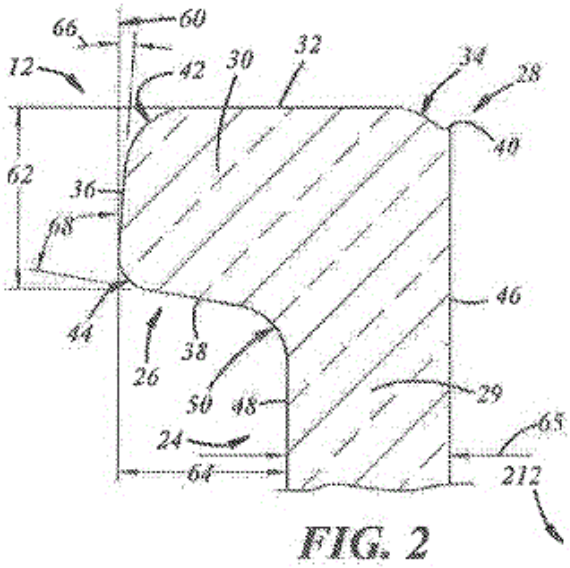
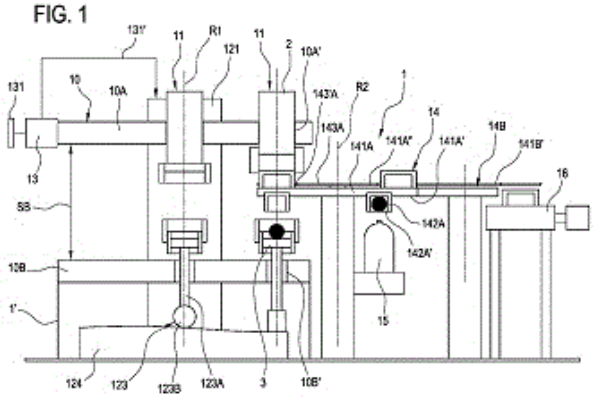


FIG. 2

21: 2022/03509. 22: 2022/03/25. 43: 2023/09/18
51: B29C; B29L
71: SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA
72: MARETTI, PIERO, PENAZZI, DAVIDE
33: IT 31: 102019000017849 32: 2019-10-03
54: MOULD FOR THE PRODUCTION OF CLOSURES IN COMPRESSION MOULDING MACHINES
00: -
A mould (11) for the production of closures with tear-off membrane in a compression moulding machine (1), comprises: a male die element (2) including a first abutment surface (21A) and a female die element (3) movable relative to each other along a moulding orientation (S). The mould (11) is positionable between a closed configuration, in which the male die element (2) and the female die element (3) are in contact with each other, and an open configuration, in which the male die element (2) and the female die element (3) are spaced apart. The female die element (3) includes: a first block (31), a second block (32) and a third block (33), aligned with each other and movable along the moulding orientation (S); a first spring (313), interposed between the first block (31) and the second block (32); a second spring (323), interposed between the second block (32) and the third block (33) and configured to apply an opening force (FAL) along the moulding orientation (S). The first spring (313) is configured to apply a closing force (FAV) along the moulding orientation (S) to keep the second block (32) and the first block (31) in contact with each other when no other forces are applied.

FIG. 1



21: 2022/03554. 22: 2022/03/25. 43: 2023/09/27
51: A61K; A61P
71: SQUARE POWER LTD
72: -
33: EP 31: 19020528.6 32: 2019-09-11
54: REBAMIPIDE FOR USE IN PREVENTION AND/OR TREATMENT OF ARTERIAL STIFFNESS
00: -
The present invention relates to rebamipide for use in a method of prophylaxis and/or treatment of cancer in a person suffering from increased intestinal permeability or in a person who is at risk of increased intestinal permeability, e.g. due to family anamnesis or due to exposure to conditions or substances inducing increased intestinal permeability.

21: 2022/03564. 22: 2022/03/28. 43: 2023/09/18
51: C12N; A61K; A61P
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, NARODITSKY, BORIS SAVELIEVICH, LOGUNOV, DENIS YURYEVICH, GINTSBURG, ALEKSANDR LEONIDOVICH, CHERNETSOV , VLADIMIR ALEKSANDROVICH, KRIUKOV, EVGENII VLADIMIROVICH, BABIRA , VLADIMIR FEDOROVICH, KUTAEV, DMITRII ANATOLIEVICH, LOGINOVA, SVETLANA YAKOVLEVNA

33: RU 31: 2021104430 32: 2021-02-21

54: THE USE OF THE AGENT FOR INDUCING SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2 IN SUBJECTS ABOVE 60 YEARS OF AGE AND/OR HAVING CHRONIC DISEASES (VARIANTS)

00: -

The invention relates to the field of biotechnology, immunology and virology. The use of the agent is disclosed, said agent containing a component 1, which is an agent in the form of expression vector based on genome of recombinant strain of human adenovirus serotype 26 with E1 and E3 sites deleted from the genome, and the site ORF6-Ad26 is substituted for ORF6-Ad5 with integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, and/or containing a component 2, which is an agent in the form of expression vector based on genome of recombinant strain of human adenovirus serotype 5 with E1 and E3 sites deleted from the genome with integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3 for inducing specific immunity against severe acute respiratory syndrome virus SARS-CoV-2 in subjects above 60 years of age and/or having chronic diseases. In addition the use of the agent is disclosed, said agent containing a component 1, which is an agent in the form of expression vector based on genome of recombinant strain of human adenovirus serotype 26 with E1 and E3 sites deleted from the genome, and the site ORF6-Ad26 is substituted for ORF6-Ad5 with integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, and also containing a component 2, which is an agent in the form of expression vector based on genome of recombinant strain of simian adenovirus serotype 25 with E1 and E3 sites deleted from the genome with integrated expression cassette selected from SEQ ID NO:4, SEQ ID NO:2, SEQ ID NO:3, or containing only component 2 for inducing specific immunity against severe acute respiratory syndrome virus SARS-CoV-2 in subjects above 60 years of age and/or having chronic diseases. Furthermore, the use of the agent is disclosed, said agent containing a component 1, which is an agent in the form of expression vector based on genome of recombinant strain of simian adenovirus serotype 25 with E1 and E3 sites deleted from the genome with integrated expression cassette selected from SEQ ID NO:4, SEQ ID NO:2, SEQ ID NO:3, and also containing a component 2, which is an agent in the form of expression vector based on genome of recombinant strain of human adenovirus serotype 5 with E1 and E3 sites deleted from the genome with the integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, for inducing specific immunity against severe acute respiratory syndrome virus SARS-CoV-2 in subjects above 60 years of age and/or having chronic diseases. The inventions provide effective induction of the immune response against SARS-CoV-2 virus in subjects above 60 years of age and also having chronic diseases.

21: 2022/03565. 22: 2022/03/28. 43: 2023/09/19

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, EROKHOVA, ALINA SERGEEVNA, IZHAEVA, FATIMA MAGOMEDOVNA, NIKITENKO, NATALIA ANATOLEVNA, LUBENETS , NADEZHDA LEONIDOVNA , SEMIKHIN, ALEKSANDR SERGEEVICH, CHERNETSOV , VLADIMIR ALEKSANDROVICH, KRIUKOV, EVGENII VLADIMIROVICH, BABIRA , VLADIMIR FEDOROVICH, KUTAEV , DMITRII ANATOLIEVICH, LOGINOVA, SVETLANA YAKOVLEVNA, NARODITSKY, BORIS SAVELIEVICH, LOGUNOV, DENIS YURYEVICH, GINTSBURG, ALEKSANDR LEONIDOVICH
33: RU 31: 2021104437 32: 2021-02-21

54: THE USE OF THE AGENT FOR INDUCTION OF SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2 FOR REVACCINATION OF POPULATION (VARIANTS)

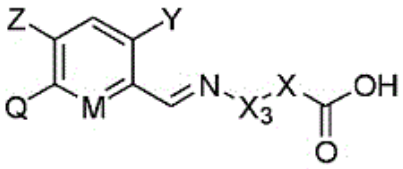
00: -

The group of inventions relates to the field of biotechnology, immunology and virology. The use of the agent is disclosed, said agent containing a component 1, which is an agent in the form of expression vector based on genome of recombinant strain of human adenovirus serotype 26 with E1 and E3 sites deleted from the genome, and the site ORF6-Ad26 is substituted for ORF6-Ad5 with integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, and/or containing a component 2, which is an agent in the form of expression vector based on genome of recombinant strain of human adenovirus serotype 5 with E1 and E3 sites deleted from the genome with integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3. In addition an agent is used, said agent containing a component 1, which is an agent in the form of expression vector based on genome of recombinant strain of human adenovirus serotype 26 with E1 and E3 sites deleted from the genome, and the site ORF6-Ad26 is substituted for ORF6-Ad5 with integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, and also containing a component 2, which is an agent in the form of expression vector based on genome of recombinant strain of simian adenovirus serotype 25 with E1 and E3 sites deleted from the genome with integrated expression cassette selected from SEQ ID NO:4, SEQ ID NO:2, SEQ ID NO:3, or containing only component 2. Furthermore, an agent is used, such agent containing a component 1, which is an agent in the form of expression vector based on genome of recombinant strain of simian adenovirus serotype 25 with E1 and E3 sites deleted from the genome with integrated expression cassette selected from SEQ ID NO:4, SEQ ID NO:2, SEQ ID NO:3, and also containing a component 2, which is an agent in the form of expression vector based on genome of recombinant strain of human adenovirus serotype 5 with E1 and E3 sites deleted from the genome with the integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3. The group of invention enables to create safe and efficacious agents providing extension of postvaccinal immunity against virus SARS-CV-2, and is intended for revaccination of population against the diseases caused by severe acute respiratory syndrome virus SARS-CoV-2.

21: 2022/03566. 22: 2022/03/28. 43: 2023/09/18
51: C12N; A61K; A61P
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, NARODITSKY, BORIS SAVELIEVICH, LOGUNOV, DENIS YURYEVICH, GINTSBURG, ALEKSANDR LEONIDOVICH, BORISEVICH, SERGEY VLADIMIROVICH, CHERNETSOV , VLADIMIR ALEKSANDROVICH,

KRIUKOV, EVGENII VLADIMIROVICH, BABIRA , VLADIMIR FEDOROVICH, KUTAEV , DMITRII ANATOLIEVICH, LOGINOVA, SVETLANA YAKOVLEVNA
33: RU 31: 2021134724 32: 2021-11-26
54: UTILIZATION OF AN AGENT FOR INDUCTION OF SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2 IN CHILDREN
00: -
The group of inventions relates to biotechnology, immunology and virology and, in particular, an agent for prevention of diseases caused by severe acute respiratory syndrome virus SARS-CoV-2 in children aged 1 month and older. For this purpose there were developed 6 variants of utilization of the agent including component 1 in the form of an expression vector based on the genome of recombinant human adenovirus serotype 26 in which ?1 and ?3 sites were deleted, while ORF6-Ad26 site was replaced with ORF6-Ad5 with an integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, and/or component 2 in the form of an expression vector based on the genome of recombinant human adenovirus serotype 5 with deleted ?1 and ?3 sites with an integrated expression cassette selected from SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, and/or component 3 in the form of an expression vector based on the genome of recombinant simian adenovirus serotype 25 with deleted ?1 and ?3 sites with an integrated expression cassette selected from SEQ ID NO:4, SEQ ID NO:2, SEQ ID NO:3. The claimed components are used both individually and in combination. The group of inventions provides for creation of a safe and effective agent enabling development of reactions of humoral and cell immune response to SARS-CoV-2 virus in children aged 1 month and older. Also, the agent induces humoral immune response comparable to an adult's immune response and induces enhanced mucosal response in the respiratory tract.

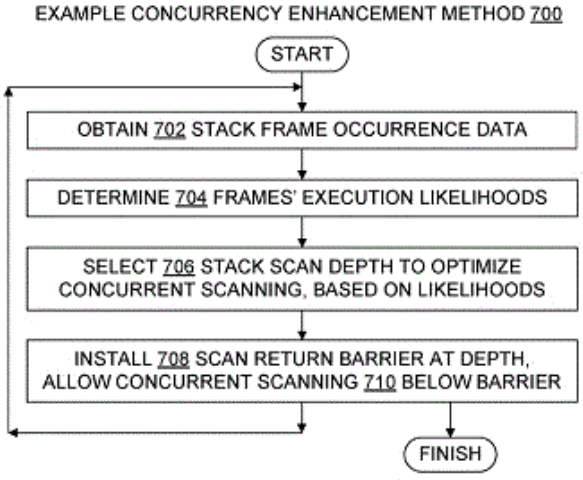
21: 2022/03677. 22: 2022/03/30. 43: 2023/09/18
51: C07D; A01N
71: QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD.
72: LIAN, LEI, HUA, RONGBAO, PENG, XUEGANG, ZHAO, DE, CUI, QI
33: CN 31: 202010117877.4 32: 2020-02-25
33: CN 31: 202010281666.4 32: 2020-04-10
33: CN 31: 202010077193.6 32: 2020-01-24
33: CN 31: 202010028477.6 32: 2020-01-11
54: CARBOXYLIC ACID DERIVATIVE-SUBSTITUTED IMINOARYL COMPOUND, PREPARATION METHOD THEREFOR, HERBICIDAL COMPOSITION AND USE THEREOF
00: -
The present invention belongs to the technical field of pesticides, and in particular relates to a carboxylic acid derivative-substituted imino aryl compound, a preparation method therefor, a herbicidal composition and use thereof. The compound is as shown in general formula I: Q represents; Y represents halogen, haloalkyl or cyano; Z represents halogen; M represents CH or N; W represents OX_5, SX_5 or $N(X_5)_2$; X represents $-CX_1X_2-(alkyl)_n-$, $-alkyl-CX_1X_2-(alkyl)_n-$, or $-(CH_2)_r-$; X_3 and X_4 independently represent O, S, NH, N-alkyl, or the like. The compound has excellent herbicidal activity against gramineous weeds, broadleaf weeds, Cyperaceae weeds, and the like even at low application rates, and has high selectivity to crops.



(I)

21: 2022/03678. 22: 2022/03/30. 43: 2023/09/18
51: G06F
71: MICROSOFT TECHNOLOGY LICENSING, LLC
72: MANDALEEKA, ADITYA
33: US 31: 16/656,522 32: 2019-10-17
54: ENHANCED CONCURRENCY GARBAGE COLLECTION STACK SCANNING
00: -
Garbage collection (GC) to reclaim memory in computing systems sometimes suspends applications, web services, and other mutator programs in order to scan their execution stacks, which reduces their responsiveness. But suspension times are decreased by behavior-driven stack scan optimization (BDSSO) functionality that increases the concurrency of mutator execution with GC stack scanning. BDSSO obtains execution stack frame occurrence data, determines frame execution likelihoods, selects a stack scan depth based on the

likelihoods, and installs a scan return barrier at the selected depth. Then the GC scans the execution stack below the barrier while the mutator runs, thus increasing concurrency and improving mutator responsiveness. Selected barrier locations vary according to actual stack activity to provide optimized concurrency instead of using an inflexible approach to barrier placement. Existing profiler samples or virtual machine interfaces can be reused by BDSSO. Skinny samples that lack profiler performance data may also be used.



21: 2022/03681. 22: 2022/03/30. 43: 2023/09/18
51: A61K
71: CIDARA THERAPEUTICS, INC.
72: BALKOVEC, JAMES M, BENSEN, DANIEL C, BORCHARDT, ALLEN, BRADY, THOMAS P, CHEN, ZHI-YONG, COLE, JASON, DO, QUYEN-QUYEN THUY, DOEHRMANN, SIMON, JIANG, WANLONG, LAM, THANH, NONCOVICH, ALAIN, TARI, LESLIE W
33: US 31: 62/897,036 32: 2019-09-06
33: US 31: 62/948,143 32: 2019-12-13
33: US 31: 62/966,500 32: 2020-01-27
33: US 31: 62/988,304 32: 2020-03-11
33: US 31: 63/062,377 32: 2020-08-06
33: US 31: 62/970,491 32: 2020-02-05
33: US 31: 62/959,857 32: 2020-01-10
33: US 31: 62/941,405 32: 2019-11-27
33: US 31: 63/032,488 32: 2020-05-29
33: US 31: 62/984,705 32: 2020-03-03

54: COMPOSITIONS AND METHODS FOR THE TREATMENT OF VIRAL INFECTIONS

00: -

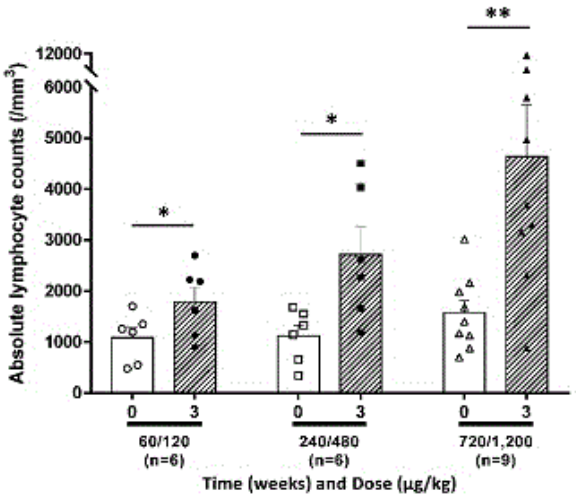
Compositions and methods for the treatment of viral infections include conjugates containing inhibitors of viral neuraminidase (e.g., zanamivir, peramivir, or analogs thereof) linked to an Fc monomer, an Fc domain, and Fc-binding peptide, an albumin protein, or albumin-binding peptide. In particular, conjugates can be used in the treatment of viral infections (e.g., influenza viral infections).

21: 2022/03778. 22: 2022/04/01. 43: 2023/09/18
51: A61K; C07K
71: GENEXINE, INC., NEOIMMUNE TECH, INC.
72: SUNG, YOUNG CHUL, WOO, JUNG WON, HEO, MIN KYU, YANG, SANG IN, YANG, SEHWAN
33: US 31: 62/895,787 32: 2019-09-04
33: US 31: 62/935,828 32: 2019-11-15

54: METHOD FOR INCREASING LYMPHOCYTE COUNT BY USING IL-7 FUSION PROTEIN IN TUMORS

00: -

A method for increasing a lymphocyte count in a subject in need thereof including administering to the subject (i) a modified interleukin-7 of the following formula (I): A - IL-7 wherein A is an oligopeptide consisting of 1 to 10 amino acid residues, and the IL-7 is a polypeptide which is capable of binding to IL-7 receptor; or (ii) an interleukin-7 fusion protein comprising (a) the modified interleukin-7, (b) a second domain containing an oligopeptide having 1 to 10 amino acid residues consisting of methionine, glycine, or a combination thereof; and (c) a third domain which prolongs the half-life of the interleukin-7 fusion protein.



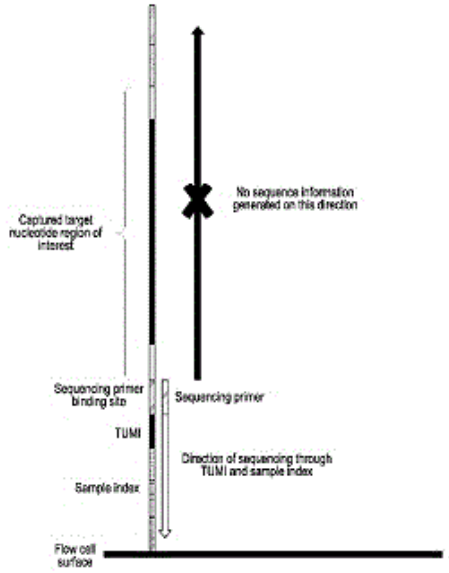
21: 2022/03780. 22: 2022/04/01. 43: 2023/09/18
51: C12Q; C12N; C12P
71: PIONEER HI-BRED INTERNATIONAL, INC.

72: ACHARYA, ANANTA, GANNON, AMANDA MARIE, GUO, HENA, HAYES, KEVIN, LASKOWSKI, ROBYN LYNN, MCEWAN , ROBERT EBOW, TOWNSEND, CARISA, UBAYASENA, LASANTHA, ZASTROW-HAYES, GINA MARIE
33: US 31: 16/601,204 32: 2019-10-14

54: DETECTION OF SEQUENCES UNIQUELY ASSOCIATED WITH A DNA TARGET REGION

00: -

The disclosed embodiments concern methods for determining sequences of interest using targeted unique molecular index (TUMI) sequences that are uniquely associated with individual polynucleotide fragments in plants, such as those present in a transgenic event, a site-specific mutation or a wild type variant. System, apparatus, and computer program products are also provided for determining a sequence of interest implementing the methods disclosed.

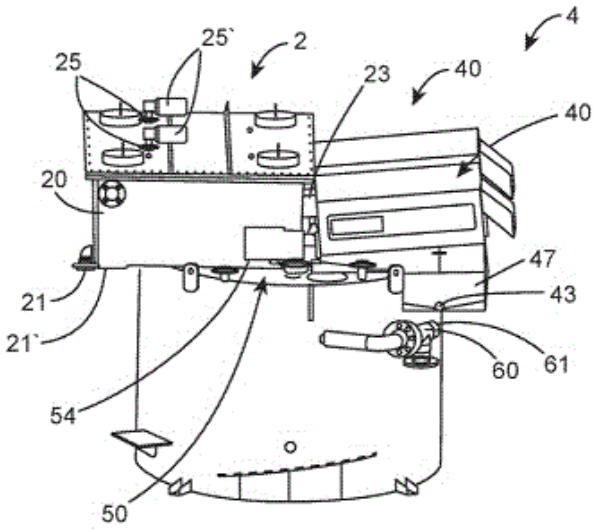


21: 2022/03783. 22: 2022/04/01. 43: 2023/09/18
51: B01D; C02F
71: TEVET WATER TECHNOLOGIES LTD.
72: ZIDON, YEHOYADA AVIAH, ZIDON, BNAYA, LEVY, EYTAN BARUCH
33: IL 31: 269764 32: 2019-10-02

54: WASTEWATER TREATMENT SYSTEM

00: -

A system for treating wastewater comprising a coagulation-flocculation assembly having a raw wastewater inlet and a coagulated-flocculated wastewater outlet; and a slurry separator comprising an intake area configured for receiving wastewater slurry from the coagulated-flocculated wastewater outlet, a liquid outlet, a sludge outlet, and a filtration module configured to facilitate percolating of liquid therethrough and forming of a filter cake thereon. The slurry separator being configured to receive slurry at the intake area, separate the slurry to liquid and sludge by the filtration module, remove the liquid via the liquid outlet, and convey the sludge from the intake area to the sludge outlet. The system further comprises a level maintaining arrangement configured to maintain at least a minimal level of the filter cake.



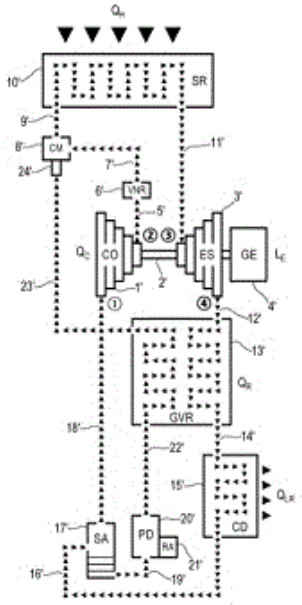
21: 2022/03785. 22: 2022/04/01. 43: 2023/09/18
51: F01K
71: I.V.A.R. S.P.A.
72: OLIVOTTI, SERGIO
33: IT 31: 102019000015770 32: 2019-09-06
33: IT 31: 102019000015776 32: 2019-09-06

54: NEW COMBINED THERMODYNAMIC CYCLE WITH HIGH ENERGY RECOVERY

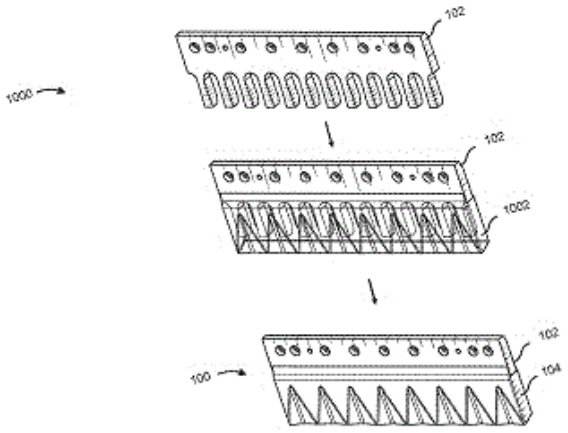
00: -

The absolute novelty of the new combined SEOL cycle is represented by the recovery vapor Generator (GVR) which completely substitutes the Regenerator, of the prior art, being capable of recovering the energy differential (QR) between the temperature at the end of expansion and the temperature at nearly complete condensation of the thermal fluid and then, by using this great energy differential, it is capable of producing water vapor, entirely reusable in the preheating of the mixture, considerably contributing to the increase of the overall energy yield of the cycle and to the increase of the unit power of the heat engine. With the use of

the new combined SEOL cycle, it is possible to obtain the following main advantages: A_ increase of the unit power of the heat engine, due to the increase of enthalpy of the mixture which is introduced in the Expander (ES); B_ considerable increase of the overall thermal yield, following the energy recovery (QR) that takes place in the recovery vapor Generator (GVR); C_ possibility of lubricating the cylinders and/or the sliding chambers of the pistons of the heat engine, with decrease of the mechanical friction and of the wear and consequent increase of the overall yield of the engine itself; D_ possibility of using multiple heat sources (QH), capable of heating to a sufficient temperature the mixture circulating in the Superheater (SR); E_ possibility of designing and industrializing new "heat engines" characterized by high overall yields and reduced production costs.

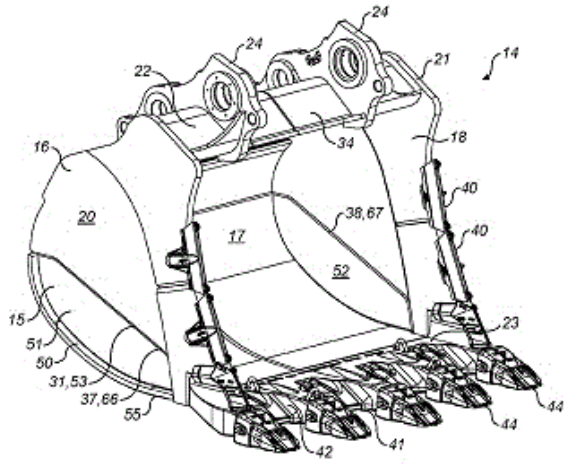


21: 2022/03824. 22: 2022/04/04. 43: 2023/09/18
51: E02F
71: CATERPILLAR INC.
72: PARZYNSKI JR., DAVID B, CONGDON, THOMAS MARSHALL, MASKA, GEORGE
33: US 31: 16/579,130 32: 2019-09-23
54: CUTTING EDGE ASSEMBLY FOR A WORK TOOL ASSOCIATED WITH A MACHINE AND METHOD OF ITS MANUFACTURE
00: -
A cutting edge assembly is disclosed. The cutting edge assembly may include an attachment element configured to be attached to a work tool of a machine, wherein the attachment element is formed from a first metal alloy, and wherein the attachment element includes a plurality of retention structures that extend from an attachment end of the attachment element toward a cutting edge end of the attachment element. The cutting edge assembly may include a wear element configured to form a cutting edge of the work tool, wherein the wear element is formed from a second metal alloy that is different from the first metal alloy, and wherein the wear element is cast over the plurality of retention structures to bond the wear element to the attachment element.



21: 2022/03825. 22: 2022/04/04. 43: 2023/09/18
51: E02F
71: CATERPILLAR GLOBAL MINING LLC
72: KINDT, ANDRE, HOOIJMANS, WILLEM, VAN DER LINDEN, FRANK
54: REPLACEABLE BASKET FOR A BUCKET FOR A MACHINE
00: -
This disclosure is directed towards a basket (15) for replaceably mounting to a main body (11) for forming a bucket (14) for a machine (10). The basket (15) comprises a basket wrapper plate (50) and a first and/or second basket side plate (51, 52) attached to and extending from the basket wrapper plate (50). The basket wrapper plate (50) and first and/or second basket side plate (51, 52) are arranged for mounting to the main body (11). This disclosure is also directed towards a bucket (14) for a machine (10) comprising such a replaceable basket (15) mounted to a main body (11) and a machine (10) comprising such a bucket (14). This

disclosure is further directed to a method of maintaining a bucket (14) for a machine (10).



21: 2022/03826. 22: 2022/04/04. 43: 2023/09/18
51: C21D
71: CATERPILLAR INC.
72: RATHOD, CHANDRASEN RAMESHLAL, RECKER, ROGER LEE, PICKERILL, ROBERT JASON, KEELE, SCOTT E, KISER, MATTHEW THOMAS
33: US 31: 16/584,158 32: 2019-09-26
54: HIGH CARBON STEEL TRACK BUSHING
00: -
An example bushing (204) has three portions along its radial direction including an inner portion (410) most proximal to a central hole of the bushing (204), an outer portion (404) most distal from the center hole, and a core portion (406) between the inner portion (410) and the outer portion (404). The core portion (406) has a hardness that is less than the hardness of the inner portion (410) or the outer portion (404) of the bushing (204). The bushing (204) may be formed using high carbon steel, which in some cases may be spheroidal cementite crystal structure. A rough bushing may be formed using the high carbon steel, followed by a direct hardening process, and an induction hardening process on the inner surface (412) most proximal to the central hole of the bushing (204). The induction hardening on the inner surface (412) may harden the outer portion (404) while tempering the core portion (406) of the bushing (204).

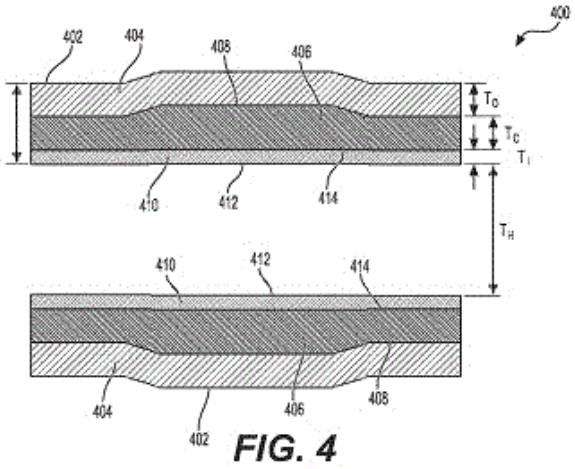
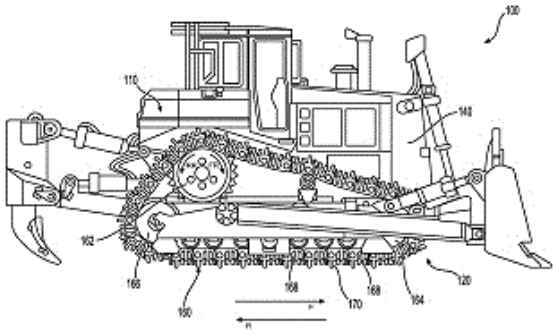
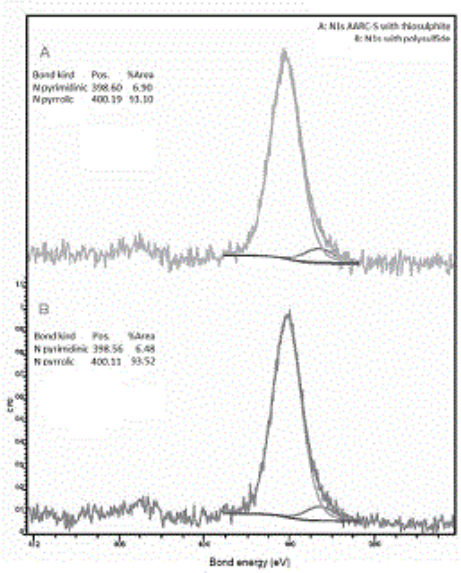


FIG. 4

21: 2022/03827. 22: 2022/04/04. 43: 2023/09/18
51: B62D
71: CATERPILLAR INC.
72: RATHOD, CHANDRASEN R, RECKER, ROGER L, PICKERILL, ROBERT J, KEELE, SCOTT E, WEAVER, DOUGLAS T, SORDELET, DANIEL J
33: US 31: 16/591,250 32: 2019-10-02
54: TRACK CHAIN COMPONENTS WITH HARDFACE OVERLAY
00: -
A steel track chain component (162, 164, 166, 168, 202, 204), such as a track bushing (204), may be formed with a carburized portion (404), a hardface portion (412), and a core portion (410). The core portion (410) may be softer than the carburized portion (404), which in turn, may be softer than the hardface portion (412). This configuration of the various portions of the component (162, 164, 166, 168, 202, 204) may allow for relatively high wear resistance of the component (162, 164, 166, 168, 202, 204), as well as toughness. The core portion (410) may be mostly ferrite crystal structure, while the carburized portion (412) and the hardface portion (412) may include martensitic and/or austenitic crystal structure. The carburized portion (412) may be formed by carburizing the track chain component (162, 164, 166, 168, 202, 204) in a heated and carbon rich environment. The hardface portion (412) may be formed by welding a hardface alloy over at least a portion of the carburized portion (404).



21: 2022/03837. 22: 2022/04/04. 43: 2023/09/18
51: C01B
71: BIOENE TECHNOLOGIES S.À R.L.
72: IAKIMOV, VALENTINO
33: IT 31: 102019000017291 32: 2019-09-26
54: PROCESS FOR DOPING GRAPHENE WITH NITROGEN AND SULFUR BY REDUCING GRAPHENE OXIDE WITH MICROORGANISMS, NITROGEN- AND SULFUR-DOPED GRAPHENE THUS OBTAINED AND ITS USE
00: -
The present invention refers to a process to produce graphene dual doped with nitrogen and sulfur atoms through a reduction of graphene oxide by microorganisms. In addition, this invention relates to graphene dual doped with nitrogen and sulfur atoms obtainable by this process, and to the use of the so doped graphene to produce e.g. electronic components or water purification equipment. In particular, the process is eco-sustainable and economic with the additional advantage of providing a product with significantly improved performance compared to known products.



21: 2022/03840. 22: 2022/04/04. 43: 2023/09/18
51: C25B
71: INDUSTRIE DE NORA S.P.A.
72: CALDERARA, ALICE, IACOPETTI, LUCIANO
33: IT 31: 102019000020026 32: 2019-10-30
54: ELECTRODE FOR ELECTROCHEMICAL EVOLUTION OF HYDROGEN
00: -
The present invention relates to an electrode, comprising a catalytic coating containing ruthenium and at least one other element selected from the group of alkaline earth metals, suitable to be used in industrial electrochemical processes for hydrogen evolution and to a method for the production of the same. The catalytic coating comprises 93-99 wt-% of ruthenium and 1-7 wt-% of alkaline earth metals, referred to the metals.

21: 2022/03841. 22: 2022/04/04. 43: 2023/09/18
51: A01M
71: RENTOKIL INITIAL 1927 PLC
72: HANSEN, NEILS, WINGETT, GARY, MCCAIG, JOHN, BEST, MICHAEL
33: GB 31: 1913904.7 32: 2019-09-26
54: RODENT TRAPS
00: -
A rodent trap comprising a trigger arranged to be triggered by a rodent, a kill mechanism arranged to kill a rodent in response to the trigger being triggered by the rodent, a trapdoor positioned adjacent to the kill mechanism, having a closed position and an open position, and a storage area positioned on the

other side of the trapdoor to the kill mechanism. The rodent trap is arranged such that when a rodent is killed by the kill mechanism, the rodent corpse passes through the trapdoor into the storage area.

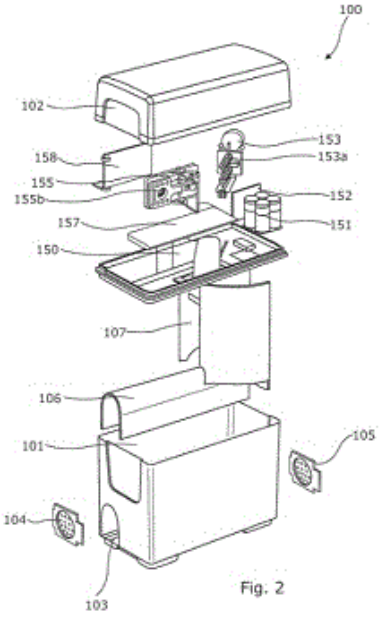
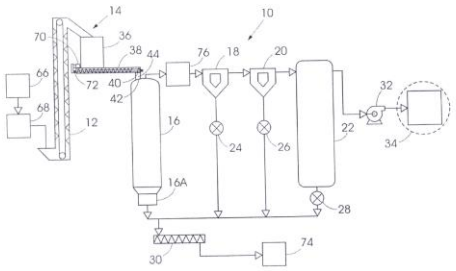


Fig. 2

21: 2022/03850. 22: 2022/04/05. 43: 2023/11/13
51: C10L; F02B; F22B
71: COCHRANE, William Thomas, COCHRANE, Richard William
72: COCHRANE, William Thomas, COCHRANE, Richard William
54: ELECTRICITY GENERATION
00: -
A method of producing electricity which includes the steps of generating syngas from refuse derived fuel (RDF) and of using the syngas as a fuel in an electricity generator, and an electricity generation facility to do so, which includes a gasifier, an electricity generator and a mechanism which is configured to feed refuse derived fuel (RDF) to the gasifier.



21: 2022/03918. 22: 2022/04/06. 43: 2023/11/13
51: B02C
71: PMS HANDELSKONTOR GMBH
72: SCHARFE, Felix
33: EP 31: 19212628.2 32: 2019-11-29
54: COMMINUTION DEVICE
00: -
The invention relates to a comminution device (10) for mechanically comminuting material conglomerates consisting of materials of varying density and/or consistency, comprising a comminution chamber (14) having a supply side with a supply means (12) above the comminution chamber (14) and a discharge side, which comminution chamber is enclosed by an, in particular circular cylindrical and/or conical, downwardly widened comminution chamber wall (42) and has at least two portions in succession in the axial direction, in each of which at least one rotor (26, 28, 30) is arranged coaxial with the comminution chamber, each rotor having a rotor shaft (25, 27, 29) and having striking tools (38) which extend substantially radially into the comminution chamber (14) at least during operation, the rotors (26, 28, 30) having opposite directions of rotation in at least two successive portions, deflection ribs (46, 48) being arranged on the inside of the comminution chamber wall at axial intervals and/or the radius of the comminution chamber wall (42) increases from top to bottom. According to the invention at least one dust outlet (70, 72, 74) is arranged in and/or below the comminution chamber wall (42) and/or in connection with a material outlet (92), which dust outlet (70, 72, 74, 96) is connected to an air flow device (84) for discharging the particle/air mixture produced in the comminution chamber (14), and which air flow device (84) has at least one fan for transporting the particle/air mixture from the comminution chamber (14). Very high impact energies of material conglomerates to be

separated against the striking tools are achieved by means of such a device, wherein the dust, i.e. the generated air/particle mixture generated during comminuting is effectively discharged from the comminution chamber to ensure smooth operation.

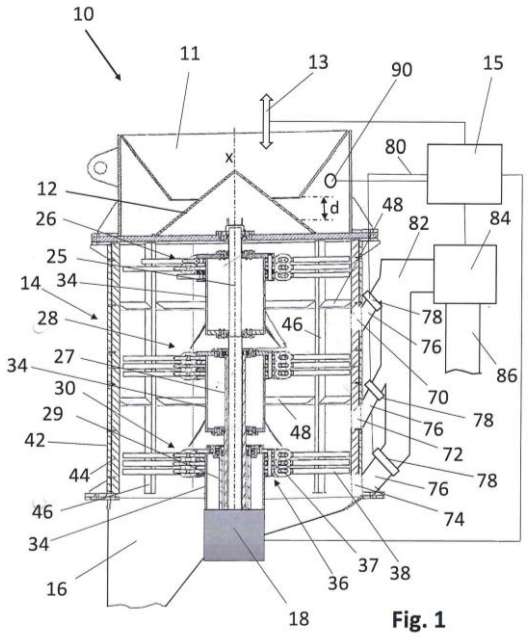


Fig. 1

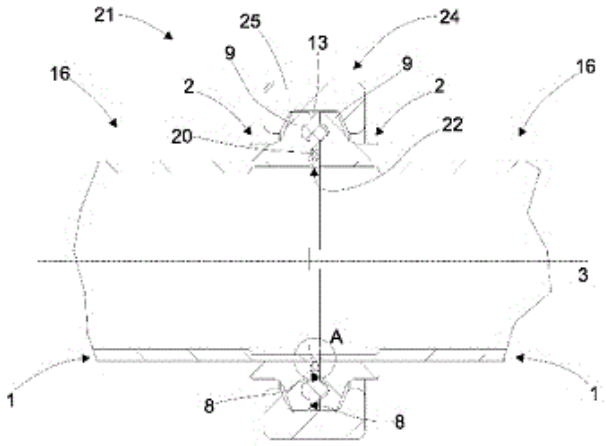
21: 2022/03920. 22: 2022/04/06. 43: 2023/09/19
51: C12N
71: QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD.
72: JIANG, LINJIAN, MO, SUDONG, WANG, JIYAO, LI, YUCAI, QI, WEI, LI, HUARONG, CHEN, BO
33: CN 31: 201911081617.X 32: 2019-11-07
33: CN 31: 202010974151.2 32: 2020-09-16
33: CN 31: 202010821877.2 32: 2020-08-15
54: METHOD FOR GENERATING NEW MUTATIONS IN ORGANISMS, AND APPLICATION THEREOF
00: -
Provided is a method for creating fixed point mutations in organisms without an artificial DNA template, and an application thereof. The method comprises the following steps: at a specific position in the genome of an organism, two or more DNA breaks are produced in sequential order and respectively self-repaired, a subsequent DNA break being produced on the basis of a new sequence produced after the previous DNA break is repaired.

21: 2022/03925. 22: 2022/04/06. 43: 2023/09/19
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: STARCK, PIERRE, WHITEHEAD, PAUL STEPHEN, THAOKAR, SHUBHALAXMI MADHUKAR, ORIOU, JULES
33: EP 31: 20153477.3 32: 2020-01-23
33: IN 31: 201921045863 32: 2019-11-11
54: CLEANSING COMPOSITION
00: -
A sulphate-free-surfactant cleansing composition comprising, in an aqueous continuous phase: a total amount of anionic surfactant and amphoteric surfactant consisting of: (i) from 3 wt % to 13 wt %, by weight of the total composition at 100 % activity, of an alpha olefin sulfonate anionic surfactant of general formula (I): R^1-CH=CH-CH_2-SO_3-M^+ (I) in which R^1 is selected from linear or branched alkyl groups having from 11 to 13 carbon atoms and mixtures thereof; and M is a solubilizing cation; (ii) from 1 to 8 wt %, by weight of amphoteric surfactant, which is cocamidopropyl betaine; (iii) from 0.05 wt % to 0.5 wt % of a cationic polymer; (iv) from 0.3 to 2.8 wt % an inorganic electrolyte; and (v) water; in which the weight ratio of (i) to (ii) ranges from 2:1 to 1:4 and the pH of the composition is from 3 to 6.5; and wherein the composition has a viscosity of from 2,500 to 25,000 mPa.s, when measured using a TA Instruments Discovery Hybrid Rheometer; parallel 40mm sandblasted plates, peak hold protocol at $4s^{-1}$; at 30^0C.

$$R^1\text{-}CH{=}CH\text{-}CH_2\text{-}SO_3^-M^+ \qquad (I)$$

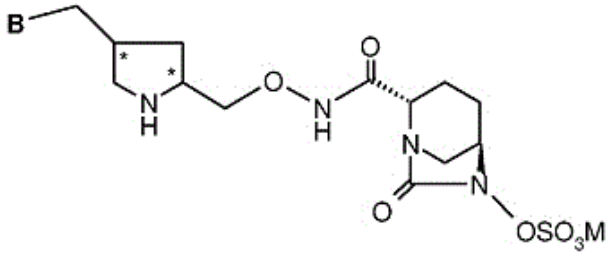
21: 2022/03969. 22: 2022/04/07. 43: 2023/09/19
51: F16L; B21D; B30B; F16J
71: GLATT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG
72: NOWAK, JESKO JAY, NOWAK, REINHARD
33: DE 31: 10 2019 214 700.3 32: 2019-09-25
54: METHOD FOR PRODUCING A PIPELINE ARRANGEMENT, AND PIPELINE ARRANGEMENT
00: -
The invention relates to a method for producing a pipeline arrangement (21) comprising two pipeline units (16) having a pipeline centre axis (3), wherein the pipeline unit (16) comprises a pipeline (1), which has an outer pipeline surface (4), an end pipeline surface (5) and an external pipeline diameter (6), and also comprises a pipe connector (2), which has

an internal pipe-connector diameter (7) and also has a flange portion (9) with an end flange-portion surface (8) and a pipe portion (11) with an inner pipe-portion surface (10), said pipe unit having a seal (13), which is arranged axially between the end flange-portion surfaces (8) of the pipe connectors (2), and a clamping device (24), which braces the flange portions (9) of the pipe connectors (2) of the two pipeline units (16) axially to one another, wherein the pipe connector (2) is fitted onto the pipeline (1) at least until the end flange-portion surface (8) and the end pipeline surface (5) are flush, the pipeline (1) is fixed in the pipe connector (2) by a press fit (17) produced by the pipeline (1) being widened radially, and the resulting pipeline units (16) are braced axially, by the flange portions (9) of the pipe connectors (2) being braced, to form the pipeline arrangement (21), and also relates to a pipeline arrangement (21) on which the method can be implemented.



21: 2022/03970. 22: 2022/04/07. 43: 2023/09/19
51: A61K; A61P; C07D
71: WOCKHARDT LIMITED
72: PATIL, VIJAYKUMAR JAGDISHWAR, TADIPARTHI, RAVIKUMAR, BHUNIYA, RAJIB, DESHMUKH, VIKAS VITTHALRAO, MUNSHI, ZAKI AHMED BURHANUDDIN, PATEL, PIYUSH AMBALAL, JOSHI, PRASHANT RATNAKAR, CHAVAN, RAJESH, TAKALKAR, SWAPNA SHRIPAD, YEOLE, RAVINDRA DATTATRAYA, PATEL, MAHESH VITHALBHAI
33: IN 31: 201921042452 32: 2019-10-18
54: NITROGEN CONTAINING BICYCLIC COMPOUNDS
00: -

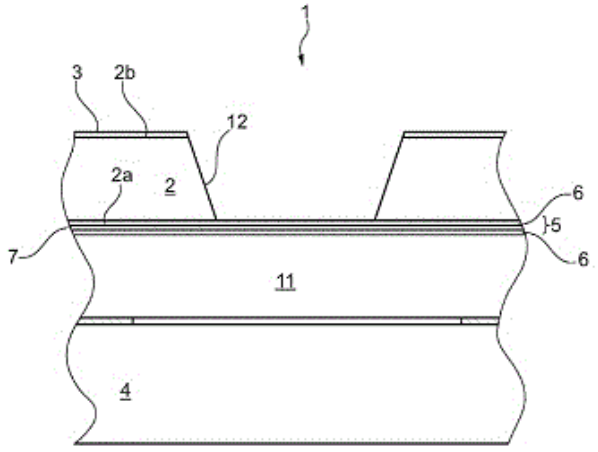
Nitrogen containing bicyclic compounds of Formula (I), pharmaceutical compositions comprising these compounds and their use in treating bacterial infection is disclosed.



Formula (I)

21: 2022/03973. 22: 2022/04/07. 43: 2023/09/19
51: B65D
71: GOGLIO S.P.A.
72: GOGLIO, FRANCO, BOSETTI, OSVALDO, GALBASINI, ROBERTO, MACCAGNAN, ANDREA
33: IT 31: 102019000019355 32: 2019-10-18
54: A MULTILAYER COVER ELEMENT FOR SEALING CAPSULES FOR MAKING BEVERAGES
00: -

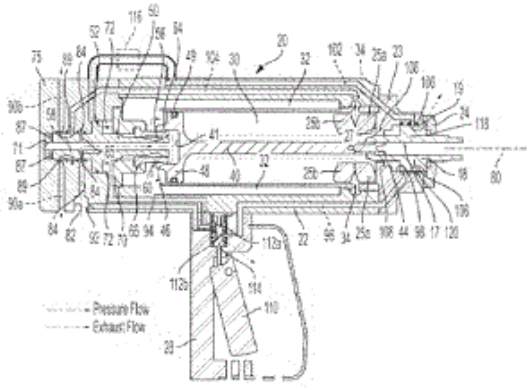
A cover element (1) for sealing capsules (100) for use in making brewed beverages comprises a main layer (2) having an inner surface (2a) that faces a housing zone (106) of a capsule (100) for making brewed beverages and an outer surface (2b) opposite to the inner surface (2b), the main layer (2) being made of compostable material; a protective layer (3) overlying the outer surface (2b) of the main layer (2); a filtering layer (4) underlying the inner surface (2a) of the main layer (2); at least the main layer (2) has a plurality of lines of weakness (12) formed on at least one of the surfaces (2a, 2b).



21: 2022/04017. 22: 2022/04/08. 43: 2023/09/19
51: C22B
71: TÉCNICAS REUNIDAS, S.A.
72: MEJÍAS CORDERO, ANA BELÉN, PECHARROMÁN MERCADO, EMILIO, FRADES TAPIA, MARÍA, SANGUILINDA SOLÁN, SERGIO
33: EP 31: 19382898.5 32: 2019-10-14
54: AN IMPROVED PROCESS FOR THE RECOVERY OF ZINC FROM ZINC-BEARING RAW MATERIALS
00: -
The present invention refers to an improved process for recovering zinc from primary and secondary raw materials, said process comprising a first leaching step wherein the ratio between the zinc weight contained in the raw material and the volume of the leaching solution is at least 20 kg zinc per m3 of acid aqueous solution; a neutralization step; and a solvent extraction stage in the presence of organic extractant, wherein the temperature is maintained from 47 to 52ºC.

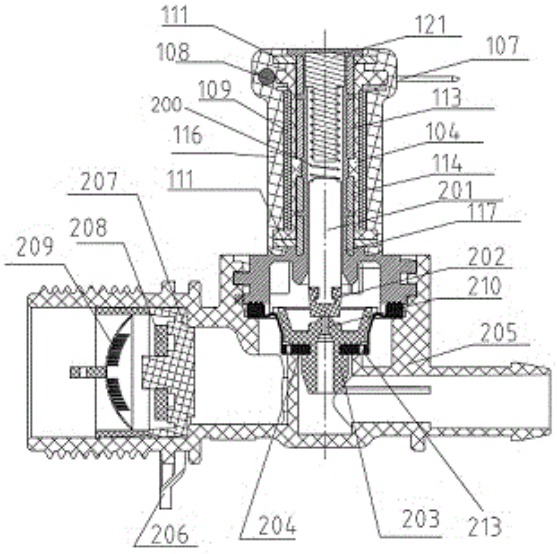
21: 2022/04075. 22: 2022/04/11. 43: 2023/09/19
51: A24B; A61K
71: ACHIEVE LIFE SCIENCES, INC.
72: JACOBS, CINDY A, CAIN, DANIEL F, CLARKE, ANTHONY
33: US 31: 62/899,637 32: 2019-09-12
33: US 31: 62/988,890 32: 2020-03-12
54: COMPOSITIONS COMPRISING CYTISINE IN THE TREATMENT AND/OR PREVENTION OF ADDICTION IN SUBJECTS IN NEED THEREOF
00: -
Methods of treatment of addiction and/or dependence, methods of promoting cessation of various addictions, such as smoking and/or vaping, and methods of promoting a reduction in various addictions, such as smoking and/or vaping, uses of cytisine as an addiction cessation treatment, and dosage regimens for the foregoing are provided.

21: 2022/04079. 22: 2022/04/11. 43: 2023/09/19
51: A22B
71: JARVIS PRODUCTS CORPORATION
72: JONES, ARTHUR, JONES, TRENT
33: US 31: 17/123,748 32: 2020-12-16
33: US 31: 63/010,314 32: 2020-04-15
54: LOW PRESSURE STUNNER
00: -
A reduced pressure pneumatic animal stunner with a low-complexity valve and venting system, and method of use thereof, is disclosed. The stunner includes a hollow housing, a stunning rod chamber, a head contact movable within an outer housing nose, a stunning rod, and a catch system employing at least one arcuate catch, a catch retainer, and a catch piston slideable within an opening of a catch cylinder. The catch piston has passageways disposed therein to allow for flow of a pressurized fluid therethrough. One passageway allows fluid to flow to a rearward end of the stunning rod chamber, and another allows fluid to flow to a forward end of the stunning rod chamber. Pressurized fluid may flow from a source through an internal passageway to the front of the stunning rod chamber alongside at least one resilient cushion designed to cushion stop the forward movement of the stunning rod.



21: 2022/04080. 22: 2022/04/11. 43: 2023/09/19
51: F16K
71: JIANGMEN TIANDI ELECTRICAL APPLIANCE CO., LTD

72: WANG, HONGBIAO, AO, LIN
33: CN 31: 201910898273.5 32: 2019-09-23
54: WATER INLET SOLENOID VALVE CAPABLE OF IMPROVING ELECTROMAGNETIC ATTRACTION AND IMPLEMENTING METHOD THEREFOR
00: -
A water inlet solenoid valve capable of improving electromagnetic attraction and an implementing method therefor. The method comprises: obtaining a plastic encapsulated stator assembly by injecting plastic to a stator assembly (102); and assembling the plastic encapsulated stator assembly and a valve body assembly comprising a movable iron core (201) together to form the water inlet solenoid valve. The plastic encapsulated stator assembly comprises: an upper magnetic conductive inner sleeve (113) and a lower magnetic conductive inner sleeve (114) mounted in a central hole of a coil assembly (103); a water insulating sleeve (117) at the inner sides of the upper magnetic conductive inner sleeve (113) and the lower magnetic conductive inner sleeve (114); a magnetic yoke (111) located outside the coil assembly (103) and connecting the upper magnetic conductive inner sleeve (113) and the lower magnetic conductive inner sleeve (114); a magnetic conductive base (121) mounted at the inner side of the upper magnetic conductive inner sleeve (113); and a plastic encapsulating layer (116) cladding the coil assembly (103) and the magnetic yoke (111). By setting the upper end face of the movable iron core (201) at an initial position not lower than the upper edge of the lower magnetic conductive inner sleeve (114) and not higher than 1/4 of the height of a gap between the upper edge of the lower magnetic conductive inner sleeve (114) and the lower edge of the upper magnetic conductive inner sleeve (113), the electromagnetic attraction of the water inlet solenoid valve is improved.

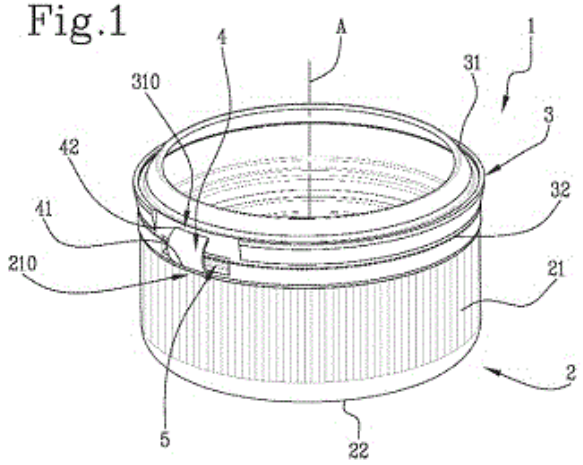


21: 2022/04083. 22: 2022/04/11. 43: 2023/09/19
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: EVANS, CERI ANNE, MCWALTER, JOY RACHEL
33: EP 31: 19209486.0 32: 2019-11-15
54: DEODORANT COMPOSITIONS
00: -
A deodorant aerosol composition comprising (i) a deodorant material consisting of a mixture of zinc neodecanoate, a perfumery-compatible solvent oil and optionally at least one fragrance material, (ii) a hydrocarbon carrier fluid which is liquid at 20°C, and (iii) a propellant, wherein the hydrocarbon carrier fluid is saturated and has at least ten carbon atoms.

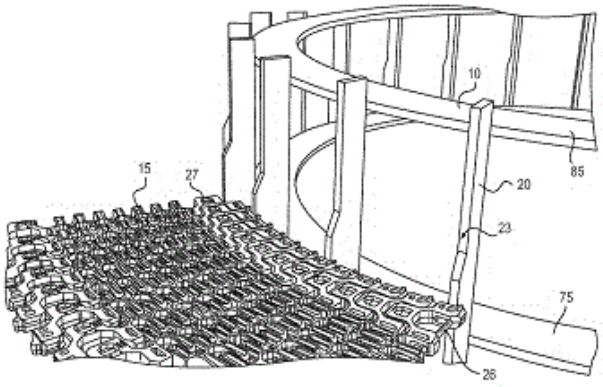
21: 2022/04148. 22: 2022/04/12. 43: 2023/09/19
51: B01D
71: ARKEMA FRANCE
72: ORTIZ, GUILLAUME, PERSILLON, QUITTERIE
33: FR 31: FR1913287 32: 2019-11-27
54: SEPARATION OF GASES FROM AIR
00: -
The present invention relates to the use of an adsorbent zeolitic material made from crystals of faujasite zeolite (FAU), the molar ratio Si/Al of which is between 1.00 and 1.20, and which have such a non-zeolitic phase content (PNZ) that $0 < PNZ \leq 25\%$, for non-cryogenically separating industrial gases with (V)PSA, in particular gases from air. The invention also relates to respiratory aid apparatuses comprising at least the adsorbent zeolitic material.

21: 2022/04149. 22: 2022/04/12. 43: 2023/09/19
51: B65D; B29C
71: SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA
72: ZUFFA, ZENO
33: IT 31: 102019000018737 32: 2019-10-14
54: CAP FOR A CONTAINER
00: -
A cap (1) for a container comprises: a body (2), configured to be coupled and uncoupled relative to the neck of the container and including a side wall (21), which extends around a longitudinal axis (A), and a transverse wall (22); a tamper evident ring (3), configured to remain anchored to the neck of the container even when the body (2) is uncoupled from the neck and including a joining portion (32) where the tamper evident ring (3) is joined to the body (2), the joining portion (32) being configured to be torn along a full perimeter surrounding the longitudinal axis (A), wherein the cap (1) comprises a connecting band (4) having a first end (41) connected to the side wall (21) of the body (2) and a second end (42) connected to the retaining portion (31) of the tamper evident ring (3).

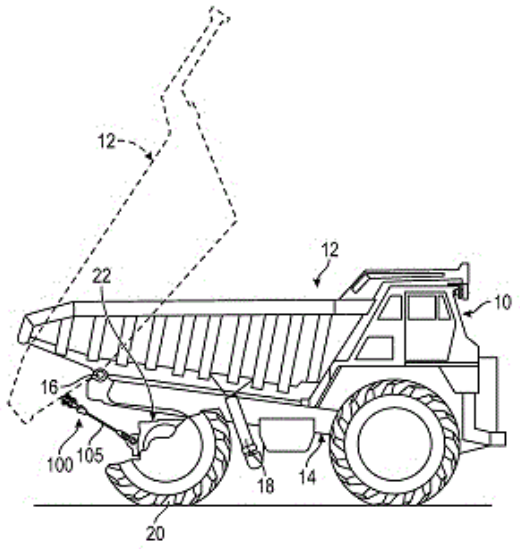
Fig.1



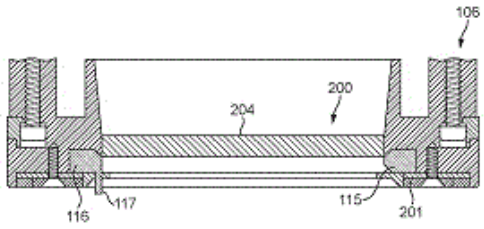
21: 2022/04175. 22: 2022/04/13. 43: 2023/09/19
51: B65G
71: ASHWORTH BROS., INC.
72: NEELY, DARROLL JOSEPH, HOBBS, BRYAN
33: US 31: 15/216,210 32: 2016-07-21
33: US 31: 62/196,582 32: 2015-07-24
54: SPIRAL CONVEYOR SYSTEM
00: -
A spiral conveyor system may include a drum and a conveyor belt traveling helically about the drum from an entrance end to an exit end of the drum, and a plurality of drive elements at least one of which may include a rib extending radially from a surface of the drum. The rib may include a drive face that faces in a direction of belt travel about the drum. The rib may further include a chamfered surface configured to engage with a lateral portion of the conveyor belt. The chamfered surface may be angled facing partially in a rearward direction opposite the direction of belt travel about the drum.



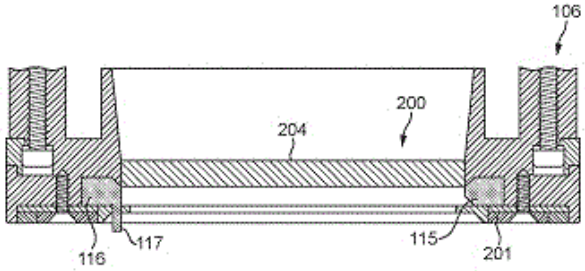
21: 2022/04199. 22: 2022/04/13. 43: 2023/09/19
51: B60P; B60S
71: CATERPILLAR INC.
72: KESANI, SHARATH
33: US 31: 16/656,381 32: 2019-10-17
54: SAFETY ASSEMBLY FOR OFF-HIGHWAY TRUCK
00: -
A safety assembly (100, 200) for off-highway trucks (10). The safety assembly (100, 200) can include a bracket (110, 210) and an arm (170, 270). The arm (170, 270) can be coupled to the bracket (110, 210) via a pivot pin (135). The arm (170, 270) can rotate about the pivot pin (135). In preparation for operation of the off-highway truck (10) the arm (170, 270) can be rotated around the pivot pin (135) and held in a first position by a positioning pin (136) that is placed at a first position between a left plate (150, 250) and a right plate (120, 220) of the bracket (110, 210). In preparation for service of the off-highway truck (10) the arm (170, 270) can be rotated around the pivot pin (135) and held in a second position by the positioning pin (136) placed at a second position between the left plate (150, 250) and right plate (120, 220) of the bracket (110, 210).



21: 2022/04219. 22: 2022/04/13. 43: 2023/09/19
51: B01J; B05C; F01N
71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY
72: BURGESS, NEIL, HAYTON, CHRISTOPHER, THOMSON, CRAIG
33: EP 31: 19215030.8 32: 2019-12-10
54: APPARATUS AND METHOD FOR COATING SUBSTRATES WITH WASHCOATS
00: -
An apparatus and method of coating a substrate with a washcoat comprising: - engaging the substrate (110) with a headset (6) of a substrate coating apparatus (100) so as to locate an upper surface of the substrate below a washcoat showerhead of the substrate coating apparatus; - arranging a partition (200) between the washcoat showerhead and the upper surface of the substrate, the partition comprising a plurality of holes (202) and being located in the headset to maintain a first gap between a lower face (203) of the partition and the upper surface of the substrate; - discharging a washcoat out of the washcoat showerhead onto an upper face (204) of the partition; and - passing the washcoat through the holes (202) in the partition, onto the upper surface of the substrate and into the substrate, at least in part by applying a suction force to a lower surface of the substrate.

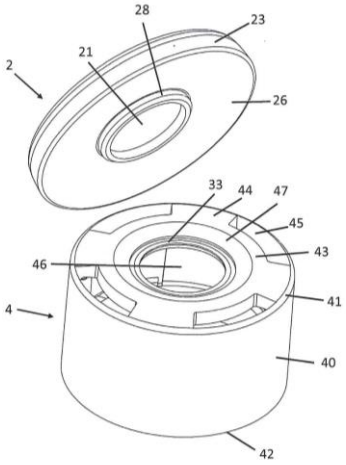


21: 2022/04220. 22: 2022/04/13. 43: 2023/09/19
51: B01J; B05C; F01N
71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY
72: BURGESS, NEIL, HAYTON, CHRISTOPHER, THOMSON, CRAIG
33: EP 31: 19215031.6 32: 2019-12-10
54: APPARATUS AND METHOD FOR COATING SUBSTRATES WITH WASHCOATS
00: -
Apparatus and method for coating substrates with washcoats An apparatus and method of coating a substrate (110) with a washcoat, comprising: - engaging the substrate with a headset (6) of a substrate coating apparatus (100) so as to locate an upper surface of the substrate below a washcoat showerhead of the substrate coating apparatus; - discharging a washcoat out of the washcoat showerhead towards the upper surface of the substrate; - drawing the washcoat through the substrate by applying a suction force to a lower surface of the substrate. The step of engaging the substrate with the headset comprises engaging a headset seal (115) of the headset with the substrate, the headset seal (115) comprising a perimetral portion (116) extending around the headset and a cantilevered portion (117) extending down from the perimetral portion which engages against a sidewall of the substrate.



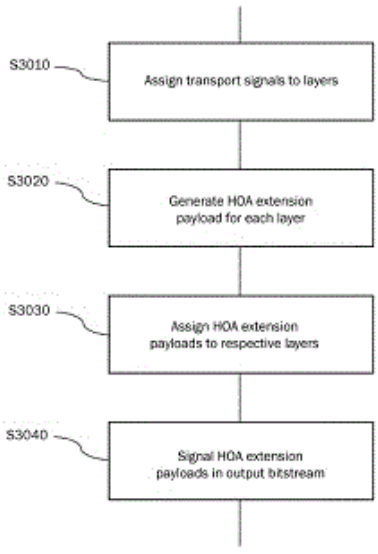
21: 2022/04391. 22: 2022/04/20. 43: 2023/11/13
51: A61J; B65D
71: KAISHA PACKAGING PRIVATE LTD
72: DADACHANJI, Rishad Kairus, PATEL, Keyurkumar Arvindbhai

33: IN 31: 202121020675 32: 2021-05-06
54: TAMPER EVIDENT PLASTIC CLOSURE FOR VIALS FOR STORING SUBSTANCES FOR MEDICAL OR PHARMACEUTICAL APPLICATIONS AND USE THEREOF
00: -
The invention relates to a tamper evident plastic closure for necked vials 8, for holding a plug 85 in a mouth 83 of a vial, comprising: a tubular locking body 4 configured to be locked at the neck 81 of the vial 8, and a cap 2 coupled with the tubular locking body 4. The tubular locking body 4 comprises a retaining member 47 for retaining the plug 85, a central opening 46 being formed in the retaining member for providing access to the inside of the vial 8 via the plug 85. The cap 2 comprises a disc-shaped cover 20 and a coupling portion 30, for coupling the cap 2 with the tubular locking body 4 by positive-fit engagement. The coupling portion comprises at least one frangible portion 30 each configured such that at least one indicator member 33 remains as a tamper evidence at a rim 47 of the central opening 46 of the tubular locking body 4 after removal of the cap 2 from the distal end of the tubular locking body 4 by irreversibly breaking the annular frangible portion 30 for providing access to the inside of the vial 8 via the plug 85.



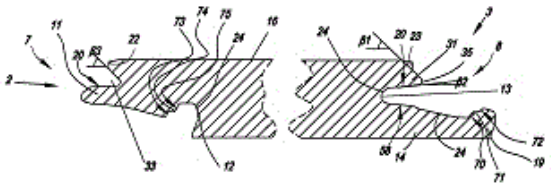
21: 2022/04514. 22: 2022/04/22. 43: 2023/09/20
51: G10L
71: DOLBY INTERNATIONAL AB
72: KORDON, SVEN, KRUEGER, ALEXANDER
33: EP 31: 15306591.7 32: 2015-10-08
33: US 31: 62/361,863 32: 2016-07-13

54: LAYERED CODING AND DATA STRUCTURE FOR COMPRESSED HIGHER-ORDER AMBISONICS SOUND OR SOUND FIELD REPRESENTATIONS
00: -
The present document relates to a method of layered encoding of a frame of a compressed higher-order Ambisonics, HOA, representation of a sound or sound field. The compressed HOA representation comprises a plurality of transport signals. The method comprises assigning the plurality of transport signals to a plurality of hierarchical layers, the plurality of layers including a base layer and one or more hierarchical enhancement layers, generating, for each layer, a respective HOA extension payload including side information for parametrically enhancing a reconstructed HOA representation obtainable from the transport signals assigned to the respective layer and any layers lower than the respective layer, assigning the generated HOA extension payloads to their respective layers, and signaling the generated HOA extension payloads in an output bitstream. The present document further relates to a method of decoding a frame of a compressed HOA representation of a sound or sound field, an encoder and a decoder for layered coding of a compressed HOA representation, and a data structure representing a frame of a compressed HOA representation of a sound or sound field.

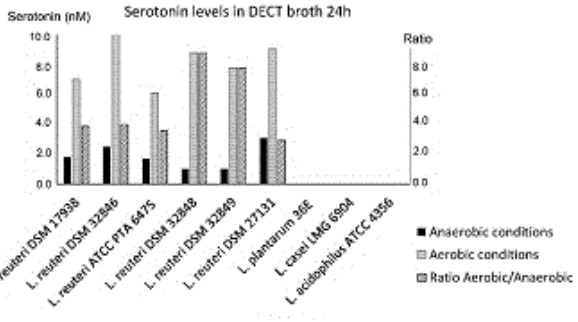


21: 2022/04537. 22: 2022/04/22. 43: 2023/09/20
51: E04F

71: FLOORING INDUSTRIES LIMITED, SARL
72: DE RICK, JAN
33: BE 31: 2019/5834 32: 2019-11-25
54: PANEL COMPRISING COUPLING PARTS
00: -
Panel which is rectangular and has long (2-3) and short (4-5) edges, wherein the panel (1) comprises a coupling part (7-8-9-10) on each long edge (2-3) and on each short edge (4-5) which allows coupling of the panel (1) to another such panel (1).

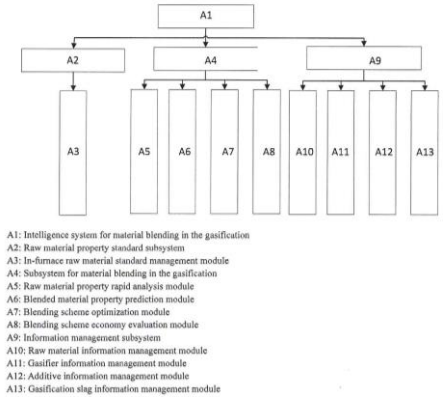


21: 2022/04539. 22: 2022/04/22. 43: 2023/09/20
51: A61P; A23L; A61K; C12N; C12R
71: BIOGAIA AB
72: GRASSET, ESTELLE, KHAN, MUHAMMAD, MÖLLSTAM, BO, ROOS, STEFAN
33: SE 31: 1951292-0 32: 2019-11-08
54: SEROTONIN PRODUCING BACTERIA
00: -
The invention relates to selection of bacterial strain for use in treating serotonin deficiency and/or a disease related to serotonin deficiency by culturing bacteria of a lactic acid producing bacterial strain, under aerobic conditions, in a culture medium comprising tryptophan. Any serotonin produced by the bacteria of the lactic acid producing bacterial strain in the culture medium is detected and the lactic acid producing bacterial strain is selected as effective in treating serotonin deficiency and/or a disease related to serotonin deficiency in a subject if serotonin is detected in the culture medium.



21: 2022/04556. 22: 2022/04/22. 43: 2023/11/13

51: B01F; C10J; G06Q
71: CHINA PETROLEUM & CHEMICAL CORPORATION, RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC
72: WANG, Fangjie, WANG, Shuqing, WANG, Dachuan, XIA, Guofu, CUI, Longpeng
33: CN 31: 201910906678.9 32: 2019-09-24
54: SYSTEM AND METHOD FOR INTELLIGENT GASIFICATION BLENDING
00: -
Provided in the embodiments of the present invention are a system and method for intelligent gasification blending, belonging to the technical field of the coal chemical industry. The system comprises a gasification blending subsystem. The gasification blending subsystem comprises: a raw material property rapid analysis module for obtaining raw material property parameters of raw materials according to the characteristic spectral line intensity of the in-furnace raw materials; a blended material property prediction module for establishing a prediction model and predicting blended material property parameters by means of the prediction model and according to the raw material property parameters and the proportion of raw materials; a blending scheme optimization module for establishing an optimization model and obtaining an optimized blending scheme by means of the optimization model according to the blended material property parameters; and a blending scheme economy evaluation module for outputting a blending scheme with the optimum technical economy. The present invention establishes a system for intelligent gasification blending with a complete life cycle process, and realizes the intelligent and accurate control of gasification blending.

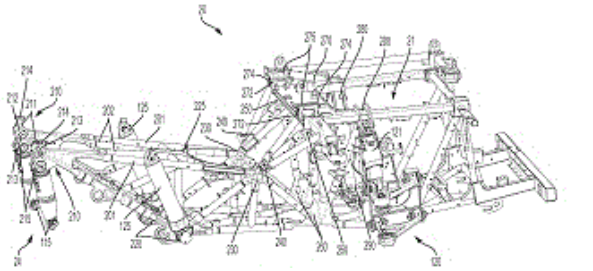


21: 2022/04607. 22: 2022/04/25. 43: 2023/09/20
51: B62D; B60P
71: CATERPILLAR INC.
72: MILLER, TAD W, HOLTHAUS, DAVID W, HARMAN, TIMOTHY D, DANTULURI, VENKATA R
33: US 31: 16/663,815 32: 2019-10-25

54: SPACE FRAME DUMP BODY PIVOT, SUSPENSION NODE, AND REAR FRAME CONNECTION

00: -

A dump body pivot pin, suspension node, and rear frame connection (210) comprises a dump body pivot pin boss (211), a rear suspension connection boss (215), outer and inner upper rear frame tube connection bosses (2101, 2102), outer and inner lower rear frame tube connection bosses (2104, 2103), upper and lower beams (2130, 2140), a beam connection web (2110), and a support tube connection boss (2105). The dump body pivot pin boss (211) has a pivot bore (212), a pin bore center axis, and inner and outer flat surfaces. The rear suspension connection boss (215) includes a suspension connection center axis and inner and outer flat surfaces. The upper beam (2130) connects the outer and inner upper rear frame tube connection bosses (2101, 2102) to the dump body pivot pin boss (211). The lower beam (2140) connects the outer lower rear frame connection boss (2104) to the rear suspension connection boss (215) and the dump body pivot pin boss (211) and the inner lower rear frame tube connection boss (2103) to the dump body pivot pin boss (211).

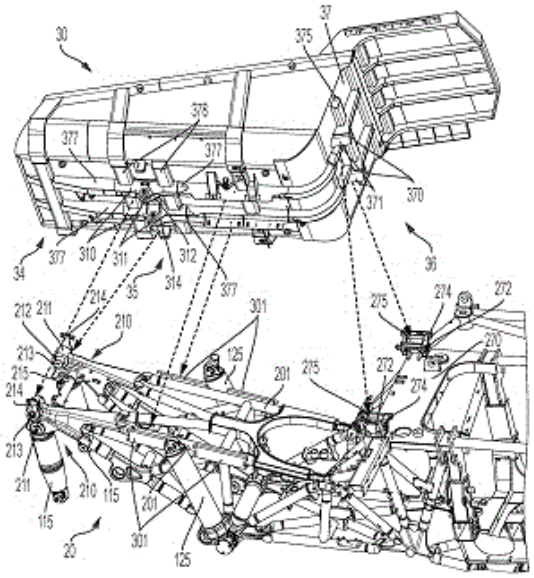


21: 2022/04608. 22: 2022/04/25. 43: 2023/09/20
51: B60P; B62D
71: CATERPILLAR INC.
72: HOLTHAUS, DAVID W, MUNOZ-NAJAR, ANDRES
33: US 31: 16/664,009 32: 2019-10-25

54: HAUL TRUCK SPACE FRAME AND BODY SUPPORT ARRANGEMENT

00: -

A support arrangement for a haul truck (10) comprises a space frame (20) and a dump body (30) operatively positioned on the space frame (20) according to defined contact points. The space frame (20) can include at least one rear support (211), at least one outer elongate support member (201), and at least one support rocker (274) configured to pivot laterally about an axis. The dump body (30) can include on a bottom (35) thereof a rear pivot support (310) and at least one flat contact surface (301), and on a front face (37) thereof at least one vertical support structure (370). Each rear support (211) of the space frame (20) is configured to be pivotally coupled to the rear pivot support (310) of the dump body (30). Each vertical support structure (370) of the dump body (30) is configured to be removably seated in a corresponding support rocker (274). Each flat contact surface (301) is configured to be positioned adjacent to an outer lateral surface of an outer elongate support member (201).



21: 2022/04609. 22: 2022/04/25. 43: 2023/09/20
51: B62D
71: CATERPILLAR INC.
72: MILLER, TAD W
33: US 31: 16/664,124 32: 2019-10-25

54: SPACE FRAME FRONT UPPER SUSPENSION CONNECTION

00: -

A front upper suspension connection (280) for a space frame (20) comprises a bottom surface (2820) fixedly attachable to a front lower suspension connection (290); a top rear mounting surface (2804) fixedly attachable to a front upper frame connection (270); a top front mounting surface (2812) fixedly attachable to a first elongate support member (206); a front strut attachment point (2815) located below the top rear mounting surface (2804) and the top front mounting surface (2812) to pivotably attach a front strut (121); and a lower rear mounting surface (2806) located below the top rear mounting surface (2804) fixedly attachable to a second elongate support member (209). The front strut attachment point (2815) can include a hole (2803) passing through the top rear mounting surface (2804), a coaxial hole (2811) passing through the top front mounting surface (2812), and a front strut attachment pin (2816) configured to pass through the top rear mounting surface (2804), the top front mounting surface (2812), and a top mounting hole (122) integral to the front strut (121).

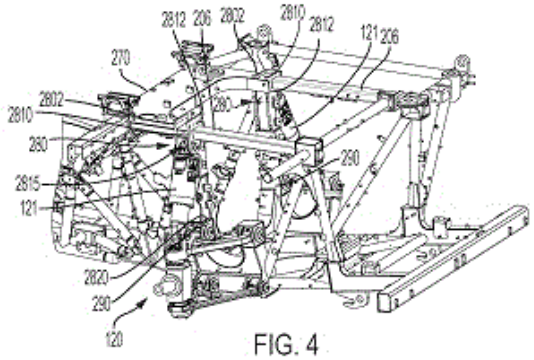


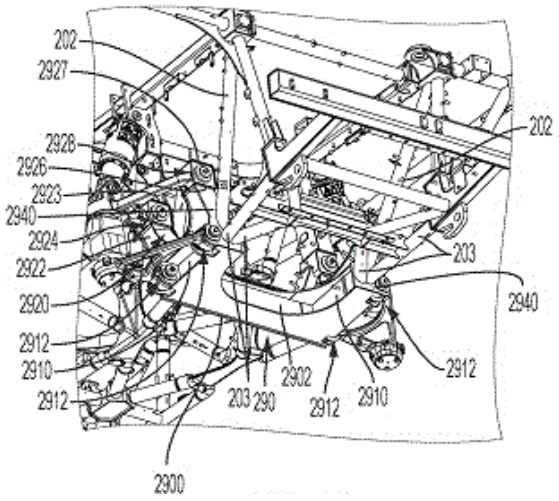
FIG. 4

21: 2022/04610. 22: 2022/04/25. 43: 2023/09/20
51: B62D; B60G
71: CATERPILLAR INC.
72: MILLER, TAD W
33: US 31: 16/664,169 32: 2019-10-25

54: SPACE FRAME FRONT LOWER SUSPENSION CONNECTION

00: -

A front lower suspension connection (290) for a space frame (20) comprises a U-shaped base (2900) and upper suspension control arm support sections (2920) on the U-shaped base (2900). The U-shaped base (2900) can have a cross-beam section (2902) and suspension column support beam sections (2910) positioned at opposite ends of the cross-beam section (2902), where each suspension column support beam section (2910) may include lower suspension control arm pivot joint supports (2912) located at opposite ends of the suspension column support beam sections (2910). Each upper suspension control arm support section (2920) can have a first support column (2922) and a second support column (2926) spaced from the first support column, where the first support column (2922) may include a first upper suspension control arm pivot joint support (2924), and the second support column (2926) may include a second upper suspension control arm pivot joint support (2928) and a front mounting surface (2940). A rear mounting may be provided on a rear surface (2930) of the front lower suspension connection (290).



21: 2022/04611. 22: 2022/04/25. 43: 2023/09/20
51: B62D
71: CATERPILLAR INC.
72: MILLER, TAD W
33: US 31: 16/663,849 32: 2019-10-25

54: SPACE FRAME FRONT UPPER BODY SUPPORT AND FRAME CONNECTION

00: -

A front upper frame connection (270) for a space frame (20) can comprise a top surface (271); a bottom surface (273) opposite the top surface (271); a right-side surface (277); a left-side surface (276) opposite the right-side surface (277); a front surface (278); a rear surface (279) opposite the front surface (278); a pair of forward support plates (2710) provided on the front surface (278); a pair of forward flat mounting surfaces (2714); and a pair of rocker attachment interfaces (272) located on the top surface (271) adjacent to the rear surface (279) and respectively the right-side surface (277) and the left-side surface (276). The front surface (278) and the forward support plates (2710) can define a cutout section (2700). Each of the forward support plates (2710) is curved and runs outward from a transverse centerline of the top surface (271) and then forward.

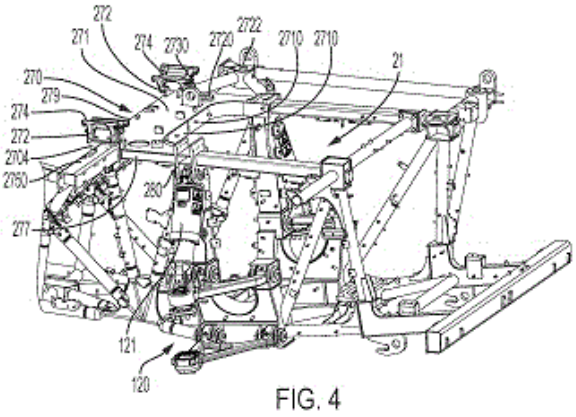


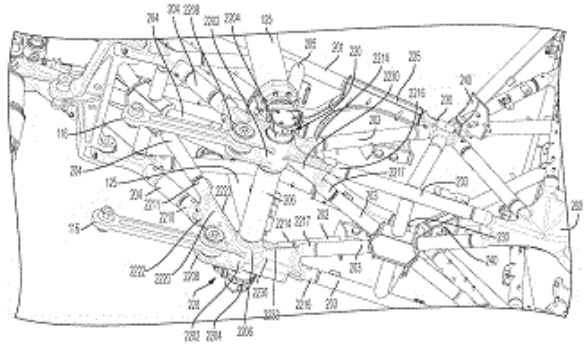
FIG. 4

21: 2022/04612. 22: 2022/04/25. 43: 2023/09/20
51: B62D
71: CATERPILLAR INC.
72: MILLER, TAD W, ZALANKA, DAVID O, HARMAN, TIMOTHY D
33: US 31: 16/663,892 32: 2019-10-25

54: SPACE FRAME CENTER LOWER FRAME CONNECTION

00: -

A center lower frame connection (220) for a space frame (20) comprising an outer lift cylinder connection boss (2204), an inner drop tube connection boss (2206), a center cylinder (2202) between the outer lift cylinder connection boss (2204) and the inner drop tube connection boss (2206), a suspension connection boss (2208), an outer rearward angular center lower frame tube connection boss (2210), an inner rearward angular center lower frame tube connection boss (2211), a vertical center lower frame tube connection boss (2212), a forward angular center lower frame tube connection boss (2214), an outer forward horizontal center lower frame tube connection boss (2216), and an inner forward horizontal center lower frame tube connection boss (2217). The outer lift cylinder connection boss (2204), the inner drop tube connection boss (2206), and the center cylinder (2202) can have a common center axis. The center lower frame connection (220) can also have a rearward angular beam (2220) and a forward horizontal beam (2230).



21: 2022/04613. 22: 2022/04/25. 43: 2023/09/20
51: B62D; B23K
71: CATERPILLAR INC.
72: MILLER, TAD W
33: US 31: 16/664,042 32: 2019-10-25

54: SPACE FRAME CENTER UPPER FRAME CONNECTION

00: -

A center upper frame connection (230) for a space frame (20) can comprise a center boss (2331); a rearward mounting surface (2335) facing rearward; a rearward angular center upper frame tube connection boss (2336) oriented downward and rearward; a vertical center upper frame tube connection boss (2338) oriented downward; a forward angular center upper frame tube connection boss (2340) oriented forward and downward; and a forward angular mounting surface (2343) facing forward and upward. The rearward mounting surface (2335) can fixedly attach a center upper horizontal frame connection (225), the rearward angular center upper frame tube connection boss (2336) can fixedly attach a first elongate support structure (202), the vertical center upper frame tube connection boss (2338) can fixedly attach a second elongate support structure (202), the forward angular center upper frame tube connection boss (2340) can fixedly attach to a third elongate support structure (202), and the forward angular mounting surface (2343) can fixedly attach a center upper frame nodal connection (240).

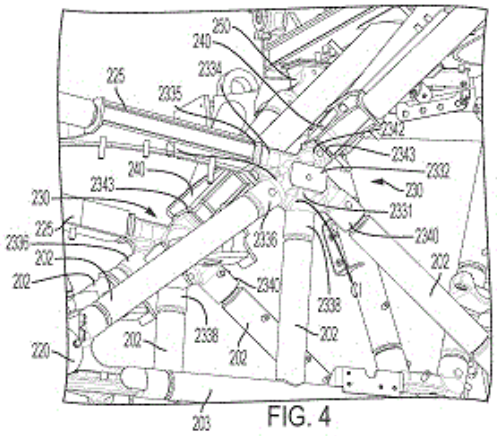


FIG. 4

21: 2022/04614. 22: 2022/04/25. 43: 2023/09/20
51: B62D; B23K
71: CATERPILLAR INC.
72: MILLER, TAD W
33: US 31: 16/663,955 32: 2019-10-25

54: SPACE FRAME CENTER UPPER FRAME NODAL CONNECTION

00: -

A center upper frame nodal connection fabrication (240) comprising a top surface (2402), a bottom surface (2403) opposite the top surface (2402), two side surfaces (2407), a front surface (2405) having a plurality of integral planes oriented at angles relative to each other, and a rear surface (2406) opposite the front surface (2405). The top surface (2402), the bottom surface (2403), and the two side surfaces (2407) can be weldably attached to each other and the front and rear surfaces (2405, 2406) to form a structure of the center upper frame nodal connection fabrication (240). The integral planes of the front surface (2405) are configured to weldably attach to respective elongate support members (207) of a space frame (20). The rear surface (2406) is configured to weldably attach to a center upper frame connection casting (230) of the space frame (20).

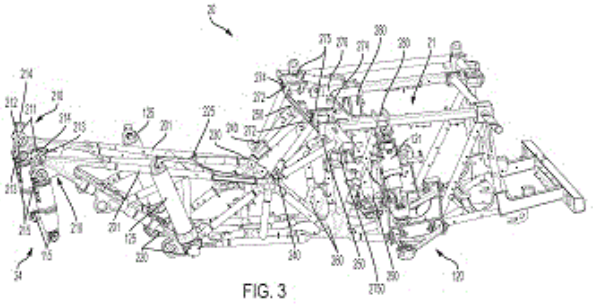


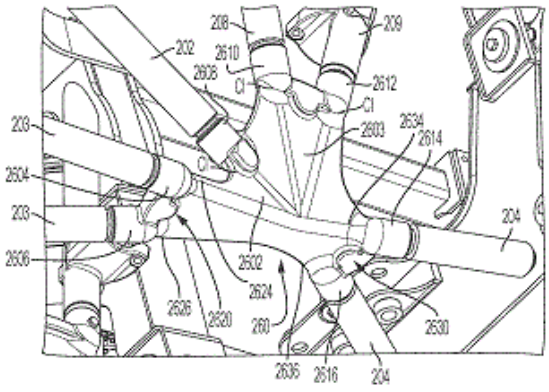
FIG. 3

21: 2022/04615. 22: 2022/04/25. 43: 2023/09/20
51: B62D
71: CATERPILLAR INC.
72: MILLER, TAD W, ZALANKA, DAVID O, HARMAN, TIMOTHY D
33: US 31: 16/664,104 32: 2019-10-25

54: SPACE FRAME FRONT LOWER FRAME CONNECTION

00: -

A front lower frame connection (260) can comprise a center boss (2602), outer and inner rearward horizontal front lower frame tube connection bosses (2604, 2606), a rearward angular front lower frame tube connection boss (2608), a vertical front lower frame tube connection boss (2610), a forward angular front lower frame tube connection boss (2612), outer and inner forward horizontal front lower frame tube connection bosses (2614, 2616), a rearward horizontal beam (2620), and a forward horizontal beam (2630). The rearward horizontal beam (2620) can have an outer rearward horizontal beam member (2624), and an inner rearward horizontal beam member (2626). The forward horizontal beam (2630) can have an outer forward horizontal beam member (2634), and an inner forward horizontal beam member (2636).

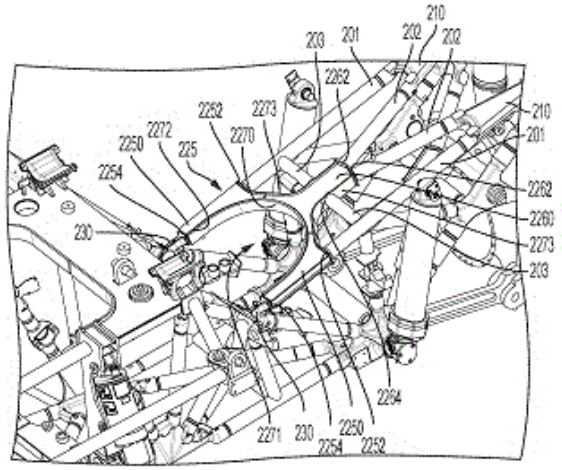


21: 2022/04617. 22: 2022/04/25. 43: 2023/09/20
51: B62D
71: CATERPILLAR INC.
72: MILLER, TAD W, ZALANKA, DAVID O, HARMAN, TIMOTHY D, ALWORTH, THOMAS
33: US 31: 16/663,930 32: 2019-10-25

54: SPACE FRAME CENTER UPPER FRAME CONNECTION

00: -

A center upper frame connection (225) for a space frame (20) can comprise a pair of outer support beams (2250) spaced from each in a width direction, a rearward center support (2260) between the outer support beams (2250), and support beam arch (2270). Each outer support beam (2250) can have a rearward frame connection boss (2252) and a forward center frame nodal connection boss (2254). The rearward center support (2260) can have a pair of rearward frame connection bosses (2262) oriented at an angle relative to each other, and a pair of side frame connection bosses (2264) provided on opposing sides of the rearward center support (2260). The support beam arch (2270) can be provided adjacent to the outer support beams (2250) and the rearward center support (2260). The rearward center support (2260) can be located on a longitudinal centerline of the support beam arch (2270) and can be parallel to the outer support beams (2250).



21: 2022/04619. 22: 2022/04/25. 43: 2023/09/20
51: B60P; B62D
71: CATERPILLAR INC.
72: BROMENSHENKEL, TIMOTHY J, WAGNER, MARK A

33: US 31: 16/663,627 32: 2019-10-25
54: HAUL TRUCK DUMP BODY FINISH MACHINED REAR PIVOT SUPPORT
00: -
A finish machined rear pivot support (310) for a dump body (30) of a haul truck (10) can comprise a pair of rear pivots (311) spaced apart from each other in a first direction, and a cross-member (314) extending in the first direction between the rear pivots (311). The rear pivots (311) can be respectively welded in-line with longitudinal support body members (377) on a bottom (35) of the dump body (30). The cross-member (314) can extend from inward-facing sides of the rear pivots (311). Each of the rear pivots (311) can include two cut-outs (313) spaced apart from each other in a second direction perpendicular to the first direction. The cut-outs (313) can be provided over corresponding one of transverse support body members (378) on the bottom (35) of the dump body (30).

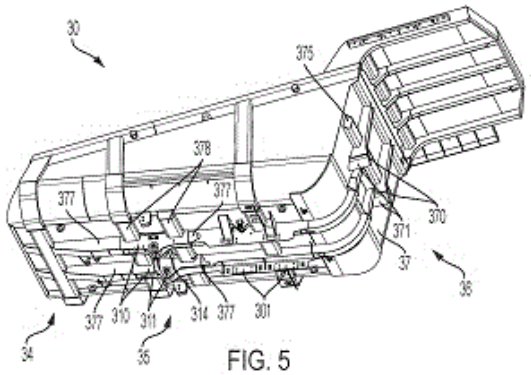


FIG. 5

21: 2022/04620. 22: 2022/04/25. 43: 2023/09/20
51: B60P; B60K; F01N
71: CATERPILLAR INC.
72: BROMENSHENKEL, TIMOTHY J, DARROW, CHRISTOPHER M, ALWORTH, THOMAS
33: US 31: 16/663,692 32: 2019-10-25
54: DUMP BODY FRONT WALL HEATING CHANNEL
00: -
A heating channel (380) for a front wall (37) of a dump body (30) comprises an exhaust inlet (381) provided on the front wall (37); an exhaust outlet (388) provided on the front wall (37); and a channel body (383) running continuously from the exhaust inlet (381) to the exhaust outlet (388). The channel body (383) can have at least one horizontally extending portion (384, 385) and at least one vertically extending portion (386, 387) in a front view of the front wall (37). The exhaust inlet (381) can be configured to receive exhaust gas output from an internal combustion engine, and the exhaust outlet (388) can be configured to output the received exhaust gas to outside the heating channel (380).

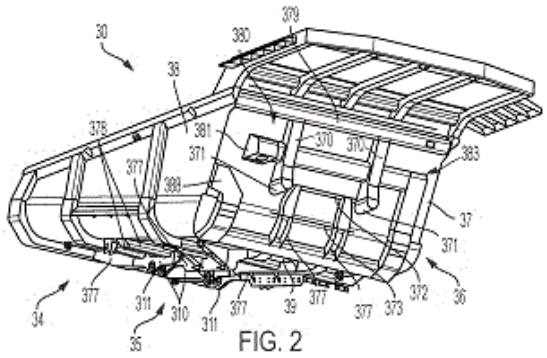
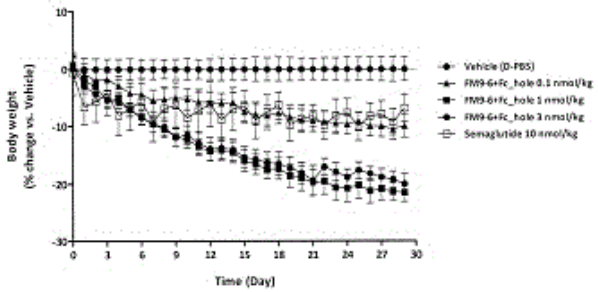


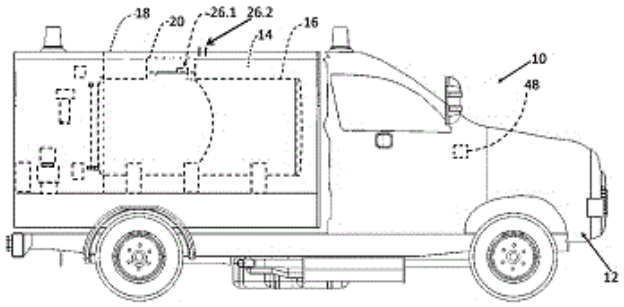
FIG. 2

21: 2022/04624. 22: 2022/04/25. 43: 2023/09/20
51: C07K; A61P; A61K
71: YUHAN CORPORATION
72: LIM, SEYOUNG, PARK, YOUNG BONG, KIM, SUKYUNG, SIM, BO RA, CHONG, WONEE, CHOI, HYUN HO, YANG, JI EUN, JU, MI KYEONG, KIM, WON TAE, LEE, YOUN WOO, KIM, JUNHWAN
33: KR 31: 10-2019-0153680 32: 2019-11-26
54: LONG-ACTING GDF15 FUSION PROTEIN AND PHARMACEUTICAL COMPOSITION COMPRISING SAME
00: -
The present invention relates to a fusion protein including a GDF15 variant having increased physiological activity and in vivo stability, and a pharmaceutical composition comprising the same. The GDF15 variant or long-acting GDF15 fusion protein, according to the present invention, is superior to conventional GDF15 variants in terms of in vivo efficacy, binding affinity for GDF15 receptors, and body weight loss effect. Therefore, a pharmaceutical composition, which comprises, as an active ingredient, the GDF15 variant, the long-acting GDF15 fusion protein, or a dimer of the fusion protein, of the present invention, causes appetite suppression, and thus can be effectively used as a therapeutic agent for metabolic diseases or obesity. Furthermore, the pharmaceutical composition, which comprises, as an active ingredient, the GDF15 variant, the long-acting GDF15 fusion protein, or the fusion protein dimer, can be used in combination therapy or the like with chemical drugs and other therapeutic agents for metabolic diseases, and can

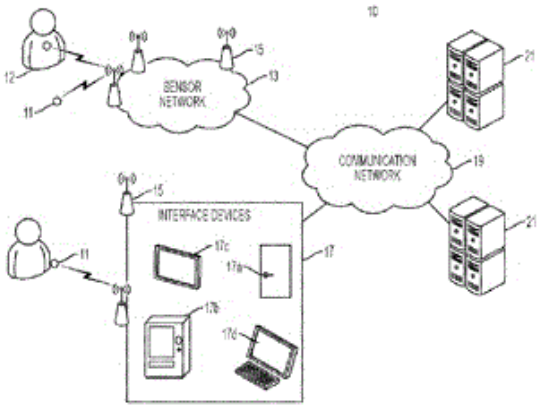
be effectively used in combination therapy with conventional therapeutic agents for metabolic diseases or obesity.



21: 2022/04628. 22: 2022/04/25. 43: 2023/09/20
51: B67D
71: CAFU APP DMCC
72: ALGHURAIR, RASHID, ROGERS, RYAN EDWARD, AL ASMAR KFOURI, ANTONIO
33: US 31: 62/912,384 32: 2019-10-08
33: US 31: 16/826,830 32: 2020-03-23
54: MOBILE FUEL DISPENSER
00: -
A mobile fuel delivery system and method are described for dispensing fuel in a poorly ventilated area. The system includes a fuel dispensing nozzle for dispensing the fuel; a cargo tank 16 for containing the fuel; a vapour recovery nozzle for recovering vapour from a fuel tank of a vehicle during fuelling; a sealing mechanism for sealingly engaging the fuel tank, a vapour tank 18; a pressure / vacuum release valve 20 connected between tank 16 and tank 18 and which is operable to increase / decrease pressure within tank 16 during dispensing of fuel and recovery of vapour recovered by the vapour recovery nozzle and pumped into the tank 16; and a safety mechanism including a control module 38 and a pressure detector 36 for detecting pressure within the tank 18, the module 38 being operable to stop fuel dispensing when pressure in tank 18 reaches a predetermined pressure.



21: 2022/04655. 22: 2022/04/26. 43: 2023/09/20
51: H04W; G07C; H04B
71: CARNIVAL CORPORATION
72: PADGETT, JOHN, JUNGEN, MICHAEL G, STEELE, DOUGLAS, PRESTENBACK, KYLE, CRIADO, RICHARD J, BALL, VINCE, LEONARDS, ADAM, CURTIS, GLENN, VELLON, MANNY, MENDIUK, PATRICK, LAM, SANDER
33: US 31: 62/420,998 32: 2016-11-11
33: US 31: 15/459,906 32: 2017-03-15
33: US 31: 62/440,938 32: 2016-12-30
54: WIRELESS GUEST ENGAGEMENT SYSTEM
00: -
A door latch assembly comprising a door knob, a latch operated by the door knob, an electrical isolation sleeve mounted on a spindle of the door latch assembly for electrically isolating the door knob from other portions of the door latch assembly, an electronically controlled locking mechanism to unlock the latch; a proximity sensor sensing contact/proximity of a user with the door knob, and an access panel separate from the door knob and the latch. The access panel includes a radio for wireless communication with the locking mechanism, a first transceiver for wireless communication with a portable user device, and a second transceiver for communication with a reservation server. The locking mechanism can selectively unlock the latch based on the contact/proximity of the user with the door knob sensed by the proximity sensor. The door knob is electrically isolated from a ground potential. The proximity sensor is a capacitive touch sensor electrically connected to the door knob. The access panel receives door access information from the reservation server via the second transceiver, determines whether the latch should be unlocked and transmits an instruction to unlock the latch to the locking mechanism via the radio based on the determination.



21: 2022/04656. 22: 2022/04/26. 43: 2023/09/20
51: G10L
71: DOLBY INTERNATIONAL AB
72: KJOERLING, KRISTOFER, VILLEMOES, LARS, PURNHAGEN, HEIKO, EKSTRAND, PER
33: US 31: 62/662,296 32: 2018-04-25
54: INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY
00: -
A method for decoding an encoded audio bitstream is disclosed. The method includes receiving the encoded audio bitstream and decoding the audio data to generate a decoded lowband audio signal. The method further includes extracting high frequency reconstruction metadata and filtering the decoded lowband audio signal with an analysis filterbank to generate a filtered lowband audio signal. The method also includes extracting a flag indicating whether either spectral translation or harmonic transposition is to be performed on the audio data and regenerating a highband portion of the audio signal using the filtered lowband audio signal and the high frequency reconstruction metadata in accordance with the flag. The high frequency regeneration is performed as a post-processing operation with a delay of 3010 samples per audio channel.

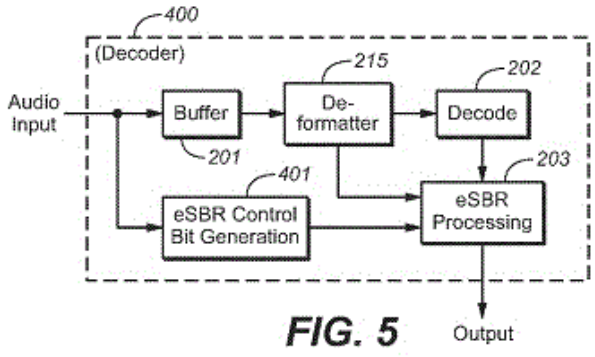
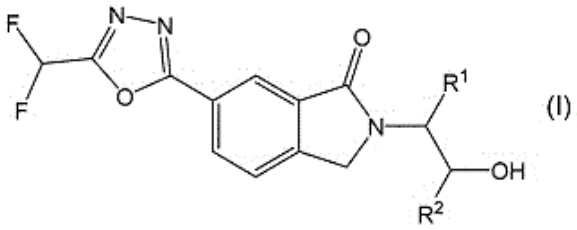


FIG. 5

21: 2022/04665. 22: 2022/04/26. 43: 2023/09/20
51: A61K; A61P; A61Q
71: BMG PHARMA S.P.A.
72: MASTRODONATO, MARCO, STUCCHI, LUCA, SECHI, ALESSANDRA, PICOTTI, FABRIZIO, GIANNI, RITA
33: IT 31: 102019000017387 32: 2019-09-27
54: HYDROGEL BASED ON ZINC GLUCONATE AND HYALURONIC ACID ESTERS
00: -
Disclosed is a hydrogel containing hyaluronic acid esterified on its free hydroxyls with lipoic acid or with lipoic acid and formic acid, or a pharmaceutically acceptable salt thereof, and zinc gluconate. Also disclosed is a process for the preparation of the hydrogel, compositions containing it, and the use of the hydrogel and the compositions thereof in the pharmaceutical and cosmetic fields or as topical or injectable medical devices.

21: 2022/04666. 22: 2022/04/26. 43: 2023/09/20
51: C07D; A61P; A61K
71: TAKEDA PHARMACEUTICAL COMPANY LIMITED
72: ITO, MASAHIRO, SUGIYAMA, HIDEYUKI, YAMAMOTO, TAKESHI, KAKEGAWA, KEIKO, LI, JINXING, WANG, JUNSI, KASAHARA, TAKAHITO, YOSHIKAWA, MASATO
33: JP 31: 2019-177815 32: 2019-09-27
54: 2-ISOINDOL-1,3,4-OXADIAZOLE DERIVATIVES USEFUL AS HDAC6 INHIBITORS
00: -
The present invention provides a heterocyclic compound having a HDAC6 inhibitory action, which is useful for the treatment of central nervous system diseases including neurodegenerative diseases, and the like, and a medicament comprising the compound. The present invention relates to a compound represented by the formula (I): wherein

each symbol is as defined in the description, or a salt thereof.



(I)

21: 2022/04667. 22: 2022/04/26. 43: 2023/09/20
51: B65D
71: CREATIVE COSMETIC CONCEPTS, LLC
72: SYBROWSKY, JOSHUA B
54: DEVICE FOR SELECTIVELY STORING AND MIXING FIRST AND SECOND LIQUIDS
00: -
A device for selectively storing and mixing two liquids. The device comprises a first interior portion for storing a first liquid, a second interior portion for storing a second liquid, and a valve intermediate to the first and second interior portions. The valve moves between at least two positions, a first position preventing the first and second liquids from mixing, and a second position allowing the first and second liquids to mix. The valve includes a first member protruding from a first side and a second member protruding from a second side.

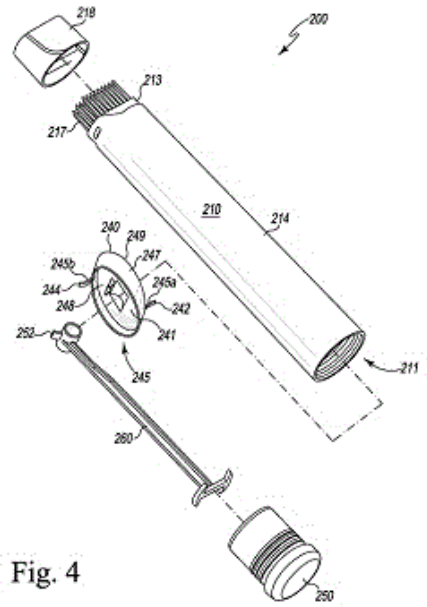
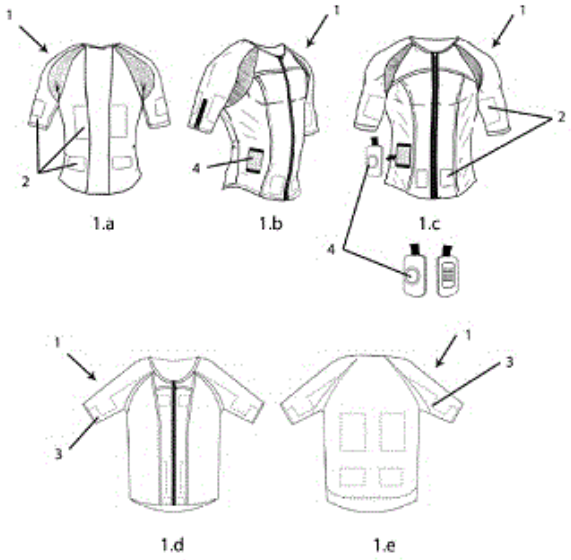


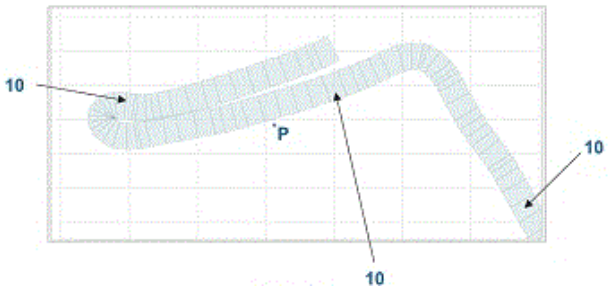
Fig. 4

21: 2022/04801. 22: 2022/04/29. 43: 2023/09/20
51: A63F; A61N; G06E
71: BOREAL TECHNOLOGY & INVESTMENT S.L.
72: FUERTES PEÑA, JOSE
33: EP 31: 19382962.9 32: 2019-11-04
54: WEARABLE GAMING DEVICE AND METHOD THEREOF
00: -
A gaming wearable device directed to be worn by a player whilst playing a videogame is provided. The gaming wearable device of the invention hereby disclosed allows the user to feel the sensations currently suffered by a character of a video game, in such a way a deeply immersive gaming experience is provided. The gaming wearable device is a vest or a suit where a series of electrodes have been strategically placed in such a way that every single muscle covered by the suit can be stimulated electrically by means of pulses generated by a control unit. The electrodes are covered with a conductive gel layer allowing a quick and easy fix on the skin of the gamer, providing a higher electrical conductivity as well.

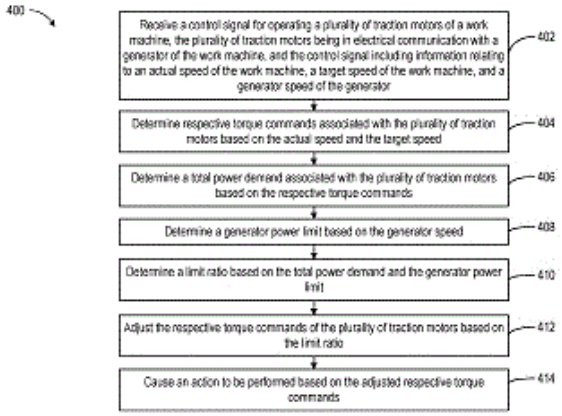


21: 2022/04804. 22: 2022/04/29. 43: 2023/09/20
51: G05D; G01C; B60W
71: ROBERT BOSCH LIMITADA
72: SEDOSKI JUNIOR, MARCELO
33: BR 31: BR102019021266-7 32: 2019-10-10
54: NAVIGATION METHOD AND SYSTEM
00: -
The present invention relates to a navigation method applicable to modes of transport in general (air, sea

or land), in particular when the current route or course needs to be checked continuously to enable a given action to be taken, and also describes a system that applies said method.

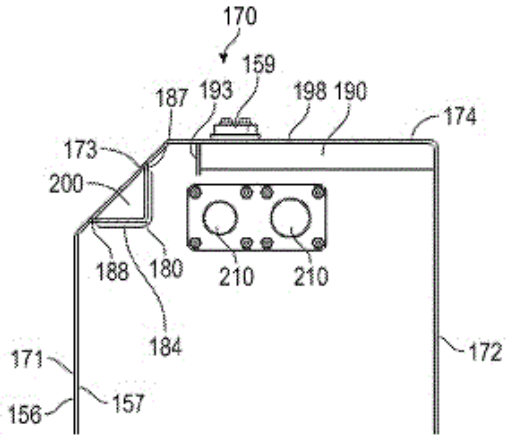


21: 2022/04868. 22: 2022/05/03. 43: 2023/09/20
51: B60L; H02P
71: CATERPILLAR INC.
72: KURAS, BRIAN, SHARMA, ANKIT, COWPER, LANCE
33: US 31: 16/675,721 32: 2019-11-06
54: CONTROL SYSTEM FOR DC BUS REGULATION
00: -
A device that includes a memory and a processor is disclosed. The processor may be configured to receive a control signal for operating a plurality of traction motors of a work machine. The control signal may include information relating to an actual speed of the work machine, a target speed of the work machine, and a generator speed of a generator operatively coupled to the traction motors. The processor may be configured to determine respective torque commands associated with the traction motors based on the actual speed and the target speed, and determine a generator power limit based on the generator speed. The processor may be configured to determine a threshold based on the respective torque commands and the generator power limit, adjust the respective torque commands based on the threshold, and cause the traction motors to be operated based on the adjusted respective torque commands.

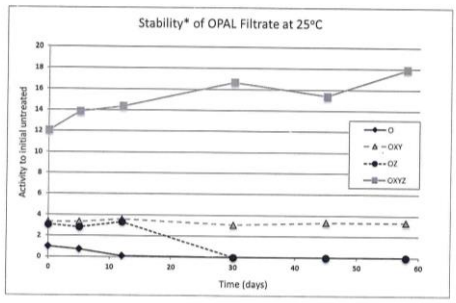


21: 2022/04869. 22: 2022/05/03. 43: 2023/09/20
51: B01J
71: DOW TECHNOLOGY INVESTMENTS LLC
72: BIGI, MARINUS A, BRAMMER, MICHAEL A, EISENSCHMID, THOMAS C, MILLER, GLENN A, PHILLIPS, GEORGE R, SINGH, AMARNATH
33: US 31: 62/930,833 32: 2019-11-05
54: PROCESSES FOR RECOVERY OF RHODIUM FROM A HYDROFORMYLATION PROCESS
00: -
The present invention generally relates to processes for the recovery of rhodium from a catalyst purge stream from a C6 or higher olefin hydroformylation process. In one embodiment, the process comprises (a) treating a catalyst-containing liquid purge stream from the hydroformylation process, wherein the catalyst comprises a precious metal and an organophosphorous ligand, with an oxidant in the presence of a separate liquid aqueous phase comprising a halide-free acid at a sufficient temperature to effect oxidation of a majority of the contained organophosphorous ligand, wherein the halide-free acid is a C1-C6 organic acid or phosphorous acid; (b) recovering the aqueous phase; (c) contacting the aqueous phase with a separate organic phase by mixing the two phases under a syngas atmosphere, wherein the separate organic phase comprises water-insoluble, hydrolysable organophosphorous ligand and recycled olefin from a hydroformylation process; and (d) separating the organic phase to be recycled back to a hydroformylation process.

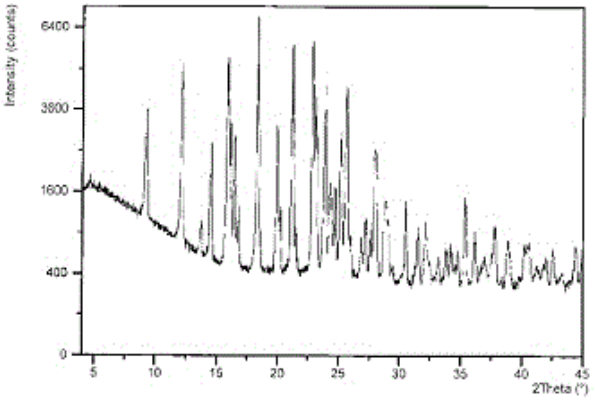
21: 2022/04870. 22: 2022/05/03. 43: 2023/09/20
51: F15B; E02F
71: CATERPILLAR INC.
72: LOUIS, JARED E, RISATTI, BRUNO L
33: US 31: 16/676,243 32: 2019-11-06
54: HYDRAULIC TANK
00: -
A hydraulic tank (150) for a machine (10) is disclosed herein. The hydraulic tank (150) includes a casing (155) defining an interior space and having an outer surface (156), an inner surface (157) opposite the inner surface (157), and a return hydraulic fluid inlet (158, 159) extending through the casing (155). A first concave member (180, 190) is connected to the inner surface (157) of the casing (155) to form a passage (200, 202). The passage (200, 202) is positioned and shaped to transport hydraulic fluid from the return hydraulic fluid inlet (158, 159) to another location within the hydraulic tank (150).



21: 2022/04938. 22: 2022/05/05. 43: 2023/11/13
51: A61K; C12N; A61P; A61Q
71: PHOENIX EAGLE COMPANY PTY LTD
72: TRIGIANTE, Giuseppe
33: AU 31: 201990381 32: 2019-10-09
54: ENHANCEMENT AND STABILISATION OF PROTEOLYTIC ACTIVITY OF PROTEASES
00: -
The present invention relates to methods for the enhancement and stabilisation of the proteolytic activity of proteases, methods for producing compositions comprising proteases with proteolytic activity that has been enhanced and stabilised, compositions comprising proteases with proteolytic activity that has been enhanced and stabilised obtained or obtainable by the aforementioned methods, use of such compositions in the manufacture of medicaments and cosmetics, the use of such compositions in the treatment of diseases and disorders including wounds, and in cosmetic applications, and associated kits.



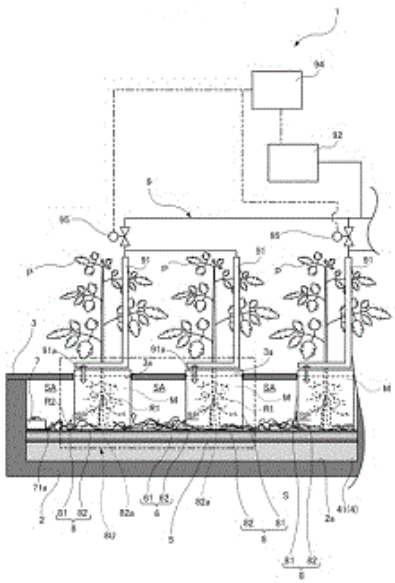
21: 2022/04943. 22: 2022/05/05. 43: 2023/09/20
51: C07D; A61P; A61K
71: RAPT THERAPEUTICS, INC.
72: ARNOLD, DAVID J, ROBLES, OMAR, RUDISILL, DUANE E, WUSTROW, DAVID J, ZIBINSKY, MIKHAIL, KARABORNI, SAMI
33: US 31: 62/935,007 32: 2019-11-13
54: CRYSTALLINE FORMS OF C-C CHEMOKINE RECEPTOR TYPE 4 ANTAGONIST AND USES THEREOF
00: -
Crystalline forms of a C-C chemokine receptor type 4 (CCR4) antagonist, oral dosage forms of same and methods of using and preparing same, are provided.



21: 2022/04949. 22: 2022/05/05. 43: 2023/09/20
51: C11D
71: UNILEVER GLOBAL IP LIMITED

72: AGARKHED, AJIT MANOHAR, HEGISHTE, SWAPNIL RAVIKANT, IYER, VIDULA, KHOKHAR, JASMEET KAUR, PARUCHURI, DIVYA, PRATAP, SHAILENDRA
33: EP 31: 19210580.7 32: 2019-11-21
54: A SOAP BAR COMPOSITION FOR ENHANCED DELIVERY OF WATER SOLUBLE BENEFIT AGENT
00: -
This invention relates to a soap bar composition which provides enhanced delivery of water soluble skin benefit agents such that the desired activity of the benefit agent is observed for a long time post the wash. This is achieved by absorbing / coating the benefit agent on to specific clays followed by further coating with a hydrophobic material selected from wax or petrolatum.

21: 2022/04991. 22: 2022/05/06. 43: 2023/09/20
51: A01G
71: AGRI CORE SYSTEM LLC, CULTIVERA LLC
72: FUJII, MANABU, TOYONAGA, SHOHEI
33: JP 31: 2019-195848 32: 2019-10-29
54: NUTRICULTURE DEVICE
00: -
A nutriculture device includes: a culture bed that is provided with an opening which is facing upward; a planting panel that is arranged to cover the opening of the culture bed, that includes a through hole having a crop pass therethrough, and that is configured to define an internal space between the cover and the culture bed; a water retention mat that is provided inside the internal space and that is configured to retain water; a plurality of culture containers each of which supports the crop, each of which is arranged in the internal space, and each of which is provided with a bottom hole; a medium that is housed in each of the culture containers; a mat-side water irrigation unit configured to feed water to the water retention mat; and a container-side water irrigation unit configured to feed water into each of the culture containers per container unit including some of the culture containers or per the culture container. The nutriculture device with this configuration can cultivate high-quality crops while suppressing the drainage water generated.



21: 2022/04993. 22: 2022/05/06. 43: 2023/09/20
51: C12N; C07K
71: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
72: JOHNSTON, EMA JAYNE, ALLEN, ROBERT SILAS, GREGG, CHRISTINA MARIA, OKADA, SHOKO, MENON, AMRATHA, WARDEN, ANDREW CHARLES, TAYLOR, MATTHEW CRAIG, WOOD, CRAIG CHRISTOPHER
33: AU 31: 2019903818 32: 2019-10-10
33: AU 31: 2020900689 32: 2020-03-05
54: EXPRESSION OF NITROGENASE POLYPEPTIDES IN PLANT CELLS
00: -
The present invention relates to methods and means for producing nitrogenase polypeptides in the mitochondria of plant cells.

21: 2022/04999. 22: 2022/05/06. 43: 2023/09/20
51: C25C; C25D
71: YÁÑEZ CASTAÑEDA, PERCY DANILO
72: YÁÑEZ CASTAÑEDA, PERCY DANILO
33: US 31: 62/913,448 32: 2019-10-10
54: SYSTEM AND DEVICE FOR OPTIMISING METAL ELECTRODEPOSITION
00: -
The invention relates to a device for optimising metal electrodeposition, which covers the entire range of metal electrodeposition, from the lowest current densities to the highest. The device has multiple openings on the entire surface thereof, which maximise the free passage of the flow of the electrolyte, without changing the electrodeposition

processes. The device also straightens the electrodes, which causes an equidistribution of current in the electrodes installed in the cells, thereby producing cathodes with high-quality uniform deposits, preventing current loss resulting from short-circuits that occur between anodes and cathodes, consequently increasing the current efficiency of the system. The device comprises a single body that has a solid framework and which is formed by different body sections, at least one body section comprising sloped lateral walls.

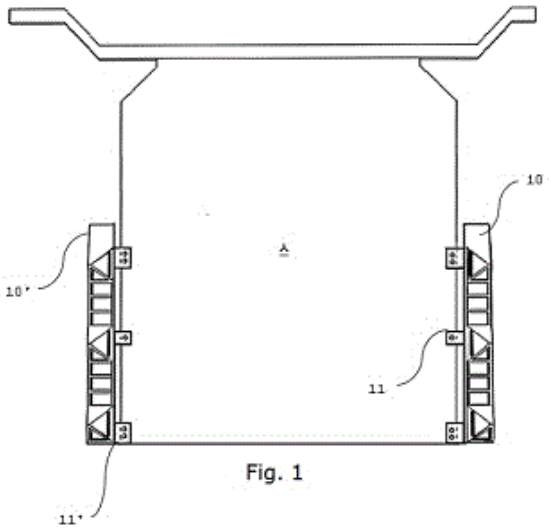
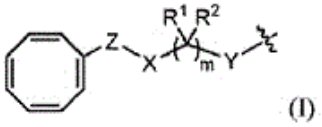
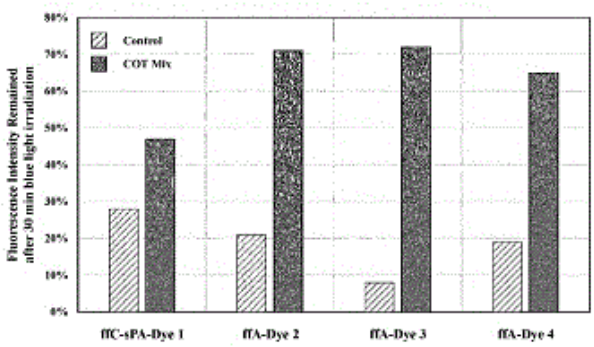


Fig. 1

21: 2022/05000. 22: 2022/05/06. 43: 2023/09/20
51: C09B; C07H; C12Q
71: ILLUMINA CAMBRIDGE LIMITED
72: WU, XIAOLIN, LIU, XIAOHAI, ROMANOV, NIKOLAI NIKOLAEVICH, FRANCAIS, ANTOINE, MCCAULEY, PATRICK, CALLINGHAM, MICHAEL, ANASTASI, CAROLE
33: US 31: 62/941,583 32: 2019-11-27
54: CYCLOOCTATETRAENE CONTAINING DYES AND COMPOSITIONS
00: -
Embodiments of the present disclosure relate to cyclooctatetraene (COT) containing dyes and their uses as fluorescent labels. The fluorescent compounds comprise photo-protecting cyclooctatetraene moiety of formula (I). Also provided are compositions containing cyclooctatetraene (COT). The dyes and compositions may be used in various biological applications, such as nucleic acid sequencing.



(I)



21: 2022/05001. 22: 2022/05/06. 43: 2023/09/20
51: G21B
71: LOCKHEED MARTIN CORPORATION
72: MCGUIRE, THOMAS JOHN
33: US 31: 16/725,535 32: 2019-12-23
54: PLASMA CREATION AND HEATING VIA MAGNETIC RECONNECTION IN AN ENCAPSULATED LINEAR RING CUSP
00: -
In one embodiment, a fusion reactor includes an enclosure, one or more internal magnetic coils suspended within an interior of the enclosure and co-axial with a center axis of the enclosure, one or more encapsulating magnetic coils co-axial with the center axis of the enclosure, the encapsulating magnetic coils having a larger diameter than the internal magnetic coils, one or more mirror magnetic coils co-axial with the center axis of the enclosure, and one or more magnetic reconnection coils co-axial with the center axis of the enclosure, wherein the one or more magnetic reconnection coils, when pulsed by a power source, are disposed to reconfigure one or more magnetic fields within the enclosure. The reconfiguration, or magnetic reconnection, of the one or more magnetic fields is disposed to increase energy in the magnetic fields, thereby facilitating the conditions operable to generate plasma, and further, when the magnetic fields are collapsed, releasing the energy into the plasma.

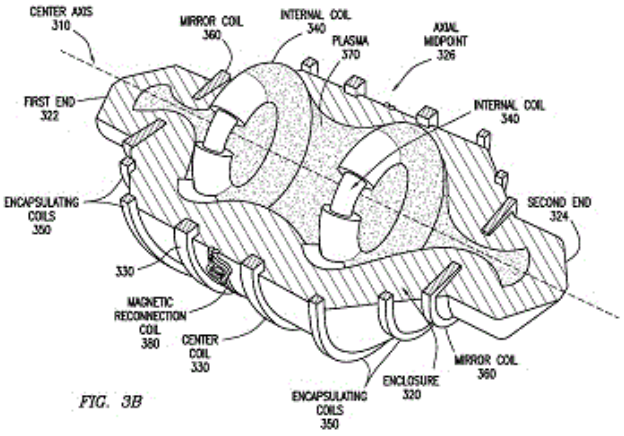


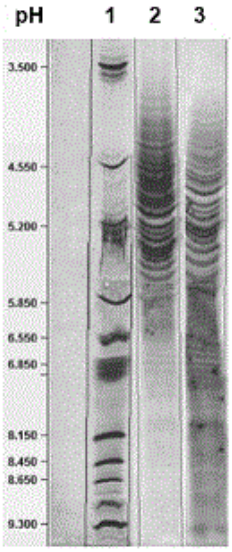
FIG. 3B

21: 2022/05099. 22: 2022/05/09. 43: 2023/09/20
51: A23J; A23L; A61K; C07K; C12P
71: GELITA AG
72: PÖRSCHKE, RALF
33: DE 31: 10 2019 130 196.3 32: 2019-11-08

54: METHOD FOR PRODUCING COLLAGEN PEPTIDES FROM BONES, AND PRODUCED COLLAGEN PEPTIDES

00: -

The present invention relates to a method for producing collagen peptides from bones, comprising the following steps: a) providing bones of vertebrates; b) mechanically crushing the bones to a particle size of less than 1 000 µm, preferably less than 500 µm, more preferably less than 300 µm, at a temperature of less than 70°C during the crushing; c) heating the crushed bones in an aqueous suspension to a temperature of above 100°C, preferably above 120°C, more preferably above 130°C, for a period of from 1 to 30 min, preferably 2 to 10 min, more preferably 4 to 8 min; d) adding one or more proteases to the suspension in order to obtain an aqueous solution of collagen peptides; and e) separating off the aqueous solution of collagen peptides from the crushed bones, wherein the method does not comprise maceration of the bones with an acid or liming of the bones with a base, and wherein the bones provided in step a) have not undergone maceration or liming. The invention further relates to collagen peptides produced by this method.



21: 2022/05101. 22: 2022/05/09. 43: 2023/09/20
51: A23J; A23L; A61K
71: GELITA AG
72: PÖRSCHKE, RALF
33: DE 31: 10 2019 130 197.1 32: 2019-11-08

54: METHOD FOR THE PRODUCING BONE GELATINE, AND BONE GELATINE PRODUCED ACCORDING TO SAID METHOD

00: -

The present invention relates to a process for the preparation of bone gelatin having an isoelectric point of less than 6, comprising the steps of: a) providing bones of vertebrate animals; b) mechanically comminuting the bones to a particle size of less than 1. 500 µm, preferably less than 500 µm, more preferably less than 300 µm; c) extracting the comminuted bones with an aqueous medium at a temperature of between 100-140°C, preferably between 120-130°C, for a period of 0.5-10 min, preferably 1-5 min, more preferably 1-3 min; d) separating the aqueous gelatin solution from the comminuted bones; and e) drying the aqueous gelatin solution to obtain the bone gelatin having an isoelectric point of below 6. The method does not comprise liming the bones with a base and the bones provided in step a) have not been subjected to liming. The invention further relates to bone gelatin having an isoelectric point of below 6, produced according to said method.

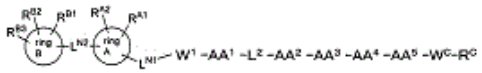
21: 2022/05154. 22: 2022/05/10. 43: 2023/09/20
51: C07K; A61K

71: NIHON MEDI-PHYSICS CO., LTD.
72: IZAWA, AKIHIRO, OGAWA, YU, ICHIKAWA, HIROAKI, KAWATANI, MINORU, TAKEMORI, HIDEAKI, OKUMURA, YUKI
33: JP 31: 2019-191561 32: 2019-10-18
54: METHOD FOR PRODUCING RADIOACTIVE METAL-LABELED ANTIBODY
00: -
The method for producing a radioactive metal-labeled antibody of the present invention has a step for click reacting a radioactive metal complex with an antibody site-specifically modified by a peptide to generate a radioactive metal-labeled antibody. The click reaction is carried out between a first atomic group with which the radioactive metal complex is equipped and a second atomic group linked directly or indirectly to the peptide. The second atomic group is an atomic group including an azide or an atomic group including trans-cyclooctene.

21: 2022/05155. 22: 2022/05/10. 43: 2023/09/20
51: C08J; C08L
71: LENZING AKTIENGESELLSCHAFT
72: HERCHL, RICHARD, KLAUS-NIETROST, CHRISTOPH, THEIS, SABRINA, WEILACH, CHRISTIAN
33: EP 31: 19215960.6 32: 2019-12-13
54: PROCESS FOR RECOVERING STARTING MATERIALS FROM MIXED TEXTILE WASTES
00: -
Disclosed is a process for recovering raw materials from mixed textile wastes which comprises the following steps in the specified sequence: a) providing a mixed textile waste containing at least one cellulose component and at least one polyester component, b) treating the mixed textile waste in an aqueous treatment solution to de-polymerize the polyester component and dissolve it in the treatment solution, c) separating the cellulose component from the treatment solution and recovering a cellulose raw material, d) filtering the treatment solution to remove foreign substances, in particular dyes and metal ions, from the treatment solution and e) precipitating terephthalic acid from the treatment solution, separating the precipitated terephthalic acid and recovering a terephthalic acid-comprising polyester raw material. In order to allow recovery of raw materials in the context of the recited process in higher purity it is proposed that the filtering of the treatment solution in step d) comprises at least one filtering through an adsorbing filter medium.

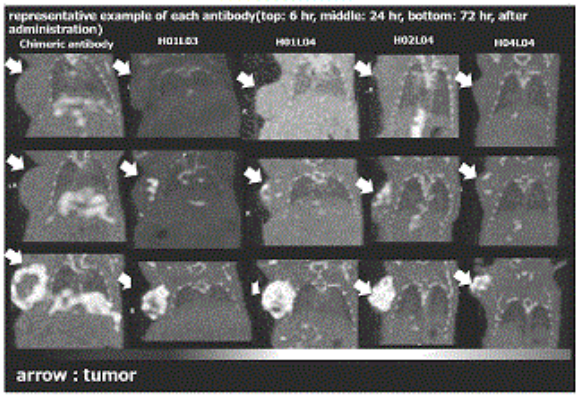
21: 2022/05156. 22: 2022/05/10. 43: 2023/09/20
51: B29B; D01G; C08B; B29K; B29L
71: LENZING AKTIENGESELLSCHAFT
72: HERCHL, RICHARD, KLAUS-NIETROST, CHRISTOPH, THEIS, SABRINA, WEILACH, CHRISTIAN
33: EP 31: 19216001.8 32: 2019-12-13
54: PROCESS FOR UTILIZATION OF CONSTITUENTS OF MIXED TEXTILE WASTES
00: -
Process for processing and utilization of waste liquor containing at least polyester decomposition products from an alkaline digestion process to obtain a cellulose raw material from mixed textile waste which contains at least a cellulose component and a polyester component. In order to make the process more environmentally friendly and more economical with resources, according to the invention, the process comprises the following steps: evaporation of water from the waste liquor to precipitate the polyester decomposition product from the waste liquor and obtain a biphasic mixture having an aqueous phase and a solid phase containing the polyester decomposition product, b) separation of the solid phase from the aqueous phase and c) thermal/energetic recovery of the solid phase.

21: 2022/05158. 22: 2022/05/10. 43: 2023/09/20
51: C07K; A61K; A61P; C12N
71: TAISHO PHARMACEUTICAL CO., LTD.
72: HAYASHI, MASATO, TAKEUCHI, TOMOKI, NOMURA, YUSAKU, TAMITA, TOMOKO, SHIMONO, RIE
33: JP 31: 2019-203338 32: 2019-11-08
54: POLYPEPTIDE HAVING MMP2-INHIBITORY EFFECT
00: -
The present invention provides a substituted polypeptide having the effect of inhibiting MMP2 and represented by formula [I'], or a pharmaceutically acceptable salt thereof.



[I ']

21: 2022/05226. 22: 2022/05/11. 43: 2023/09/20
51: A61K; C07K; C12N
71: NIHON MEDI-PHYSICS CO., LTD., SUMITOMO PHARMA CO., LTD.
72: NAKATA, NORIHITO, KOBASHI, NOBUYA, SHOYAMA, YOSHINARI, MATONO, MITSUHIRO, OCHIAI, YASUSHI, MURAKAMI, TAKAYUKI
33: JP 31: 2019-191562 32: 2019-10-18
54: RI-LABELED HUMANIZED ANTIBODY
00: -
This RI-labeled anti-MUC5AC humanized antibody is a complex of a radionuclide-chelated chelating agent and an antibody (the radionuclide is a metal nuclide that emits α-rays or positrons, and the antibody is a humanized antibody that binds specifically to MUC5AC) and is very useful in the treatment and/or diagnosis of diseases in which MUC5AC is overexpressed, especially cancer, due to excellent specificity for MUC5AC and ability to accumulate in tumors.



21: 2022/05281. 22: 2022/05/12. 43: 2023/09/20
51: B01D
71: CATERPILLAR INC.
72: RIES, JEFFREY R, IMMEL, JON T, RODRIGUEZ, JAVIER A
33: US 31: 16/682,378 32: 2019-11-13
54: FILTER PULSATION DAMPENING DEVICE
00: -
A replaceable filter element (200) includes an annular filter media (202) defining a central passage (219), a center tube (206) that is disposed in the central passage (219) of the annular filter media (202) that defines a central reservoir (204), a top open end (220) joined to the center tube (206), the top open end (220) including an opening (210) allowing fluid to flow from the central reservoir (204) to the outside of the filter element (200), a bottom open end (222) joined to the center tube (206) opposite the top open end (220), and a filter pulsation dampening device (224) including a filter element baffle (236') extending longitudinally upwardly from the filter element (200).

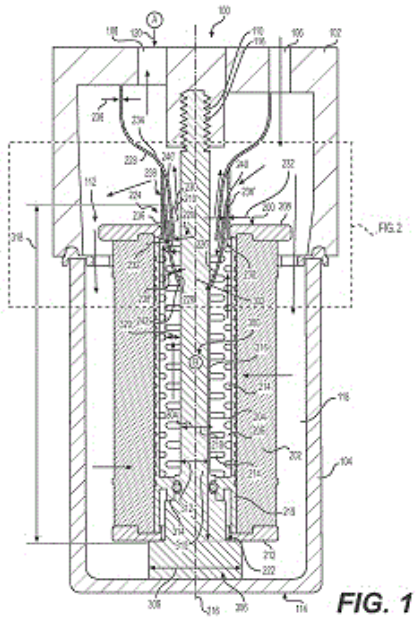


FIG. 1

21: 2022/05288. 22: 2022/05/12. 43: 2023/09/20
51: A61K; A61P; C07K; C12N; G01N; C12P
71: SUMITOMO PHARMA CO., LTD.
72: MATONO, MITSUHIRO, SAKAI, JUN, NAGAI, TORU, TANUMA, NAOKI, BUICK, RICHARD
33: JP 31: 2019-191560 32: 2019-10-18
54: HUMANIZED ANTIBODY AND METHOD FOR USING THE SAME
00: -
The purpose of the present invention is to provide a humanized antibody or an antigen-binding fragment thereof that has stable physical properties, that demonstrates excellent tumor accumulation, and that is capable of binding to mucin subtype 5AC. To solve the foregoing, the present invention provides a humanized antibody, or an antigen-binding fragment thereof, that has a heavy chain variable region composed of an amino acid sequence represented by SEQ ID NOs: 1-4 or a variant thereof and a light chain variable region composed of an amino acid sequence represented by SEQ ID NOs: 5-8 or a variant thereof, and that is capable of binding to mucin subtype 5AC.

21: 2022/05341. 22: 2022/05/13. 43: 2023/09/07
51: C07K
71: Mabpro a.s.
72: ZATOVICOVA, Miriam, PASTOREKOVA, Silvia, TAKACOVA, Martina, BARATHOVA, Monika, PASTOREK, Jaromir
54: HUMANIZED ANTI-CA IX ANTIBODIES AND METHODS OF THEIR USE
00: -
The present invention relates to a humanized antibody specifically recognizing human CA IX, and to therapeutic and diagnostic methods utilizing this antibody. The methods relate in particular to treatment or diagnosis of cancers selected from squamous cell carcinoma, myeloma, small-cell lung cancer, non-small cell lung cancer, glioma, hodgkin's lymphoma, non-hodgkin's lymphoma, acute myeloid leukemia, multiple myeloma, gastrointestinal (tract) cancer, renal cancer, ovarian cancer, liver cancer, lymphoblastic leukemia, lymphocytic leukemia, colorectal cancer, endometrial cancer, kidney cancer, prostate cancer, thyroid cancer, melanoma, chondrosarcoma, neuroblastoma, pancreatic cancer, glioblastoma multiforme, cervical cancer, brain cancer, stomach cancer, bladder cancer, hepatoma, breast cancer, colon carcinoma, mesothelioma, and head and neck cancer.

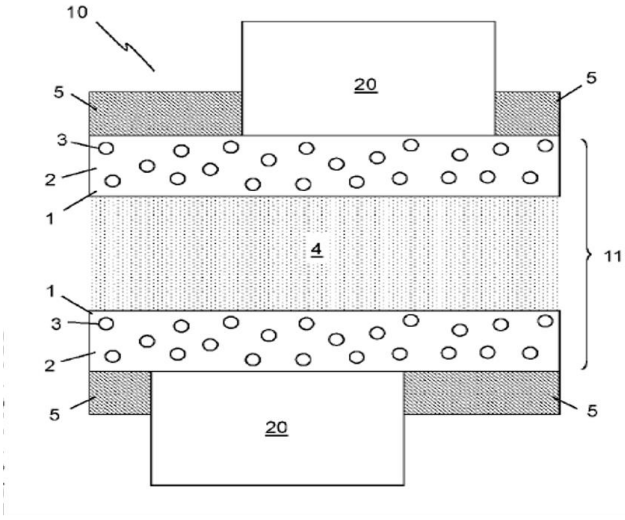
21: 2022/05346. 22: 2022/05/13. 43: 2023/09/20
51: C07D; A61K; A61P
71: ILDONG PHARMACEUTICAL CO., LTD.
72: YOON, HONG CHUL, AN, KYUNG MI, LEE, MYONG JAE, LEE, JIN HEE, KIM, JEONG-GEUN, IM, A-RANG, JEON, WOO JIN, JEONG, JIN AH, HEO, JAEHO, HONG, CHANGHEE, KIM, KYEOJIN, PARK, JUNG-EUN, SOHN, TE-IK, OH, CHANGMOK, HONG, DA HAE, KWON, SUNG WOOK, KIM, JUNG HO, SHIN, JAE EUI, YOO, YEONGRAN, CHANG, MIN WHAN, JANG, EUN HYE, JE, IN-GYU, CHOI, JI HYE, KIM, GUNHEE, JUN, YEARIN
33: KR 31: 10-2019-0146798 32: 2019-11-15
33: KR 31: 10-2020-0022485 32: 2020-02-24
54: GLP-1 RECEPTOR AGONIST AND USE THEREOF
00: -
Disclosed are novel compounds of Chemical Formula 1, optical isomers of the compounds, and pharmaceutically acceptable salts of the compounds or the optical isomers. The compounds, isomers, and salts exhibit excellent activity as GLP-1 receptor agonists. In particular, they, as GLP-1 receptor agonists, exhibit excellent glucose tolerance, thus having a great potential to be used as therapeutic agents for metabolic diseases. Moreover, they exhibit excellent pharmacological safety for cardiovascular systems.

21: 2022/05447. 22: 2022/05/17. 43: 2023/09/20
51: C07D; A01C; A01G; A01N; A01P
71: SUMITOMO CHEMICAL COMPANY, LIMITED
72: UKEGAWA, TOMOYA, WATANABE, SATOSHI
33: JP 31: 2019-200115 32: 2019-11-01
54: CRYSTAL OF 3-(DIFLUOROMETHYL)-1-METHYL-N-(1,1,3-TRIMETHYL-2,3-DIHYDRO-1H-INDEN-4-YL)-1H-PYRAZOLE-4-CARBOXAMIDE
00: -
3-(difluoromethyl)-1-methyl-N-(1,1,3-trimethyl-2,3-dihydro-1H-inden-4-yl)-1H-pyrazole-4-carboxamide in at least one crystal form selected from the group consisting of Ra1 form, Ra2 form, and Ra3 form, which respectively show the sets of diffraction peaks given in the description, in analysis by X-ray powder diffractometry with a Cu-Kα line.

21: 2022/05501. 22: 2022/05/18. 43: 2023/09/20
51: C09C
71: T.E.C. S.R.L.
72: CATALDO, FRANCO, PRIORI, ANGELO
33: IT 31: 102019000019595 32: 2019-10-23
54: ECOLOGICAL PURIFICATION AND REACTIVATION PROCESS OF CARBON BLACK OBTAINED FROM THE PYROLYSIS OF USED TYRES
00: -
The present invention relates to a purification process of the carbon black obtained from the pyrolysis of used tyres by means of solvent extraction characterized by low or zero toxicity and environmental impact, preferably - but not exclusively - derived from raw materials from renewable and non- fossil sources, i.e., by means of heat treatment in an inert atmosphere or by means of heat treatment in an inert atmosphere followed by solvent extraction, in order to remove the residues of pyrolysed rubber deposited on the surface of the carbon black obtained from the pyrolysis and the polycyclic aromatic hydrocarbons contained therein. The present invention also relates to a process for the extraction of zinc from the carbon black obtained from the pyrolysis previously purified by means of solvent extraction or by heat treatment or by heat

treatment followed by solvent extraction, making use of carboxylic acids of natural origin, such as citric acid and tartaric acid obtained from completely renewable sources.

21: 2022/05502. 22: 2022/05/18. 43: 2023/10/18
51: H01M
71: XEROTECH LIMITED
72: FLANNERY, Barry
33: GB 31: 1915157.0 32: 2019-10-18
54: FLEXIBLE HEAT TRANSFER MATERIAL
00: -
A flexible heat material (1) for thermally contacting at least one cell within a battery pack (10), and a method of forming a flexible heat transfer material (1). The flexible heat transfer material (1) is conformable to at least part of the surface shape of at least one cell (20). The flexible heat transfer material (1) comprises a matrix (2) and a filler (3), wherein the thermal conductivity of the filler (3) is greater than the thermal conductivity of the matrix (2).



21: 2022/05588. 22: 2022/05/20. 43: 2023/09/20
51: C08B
71: BMG PHARMA S.P.A.
72: STUCCHI, LUCA, PICOTTI, FABRIZIO, SECHI, ALESSANDRA, GIANNI, RITA
33: IT 31: 102019000019724 32: 2019-10-24
54: PROCESS FOR THE PURIFICATION OF HYALURONIC ACID SODIUM SALT, CONDUCTED IN ORGANIC SOLVENT
00: -
The present invention relates to a process for the preparation of pharmaceutical, injectable or ophthalmic grade hyaluronic acid, or a salt thereof, for use in the dermocosmetic or pharmaceutical field or in medical devices, which comprises dissolution of hyaluronic acid or a salt thereof in organic solvent, a heat cycle, and recovery of the product by precipitation and successive washes in organic solvents.

21: 2022/05662. 22: 2022/05/23. 43: 2023/09/20
51: G06Q
71: VITALITY GROUP INTERNATIONAL, INC.
72: KOTZEN, DANIEL, MILLARD, STEPHANUS FRANCOIS, MITCHLEY, STEPHEN RONALD
33: US 31: 62/929,354 32: 2019-11-01
54: SYSTEM AND METHOD FOR MONITORING PRODUCTIVITY BEHAVIOURS OF AN INDIVIDUAL TOWARDS PERSONALIZED PRODUCTIVITY GOALS
00: -
A system and method for determining personalized productivity goals and monitoring productivity behaviors of an individual towards the productivity goals is provided. The method includes storing user data including a user identifier and other data relating to the user, at least one software utility account identifier each identifying a software utility account associated with the user, and at least one device identifier each identifying a device associated with the user. The user data is processed to determine personalized productivity goals for the user. The system receives software utility account data from one or more software utility accounts associated with the user, and device data from at least one device associated with the user and uses the received software utility account data and device data to monitor productivity behaviors of an individual towards the personalized productivity goals.

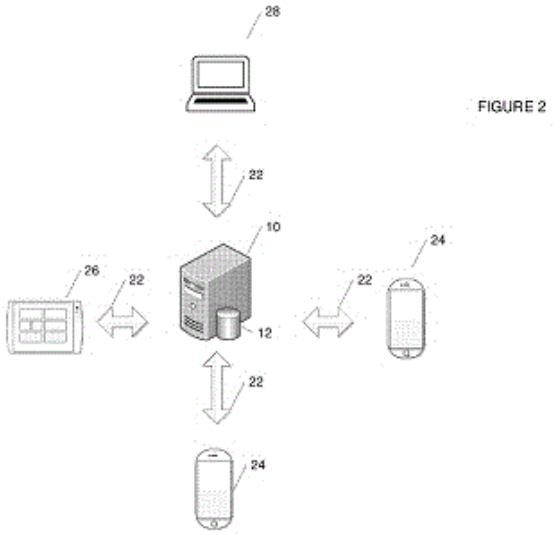
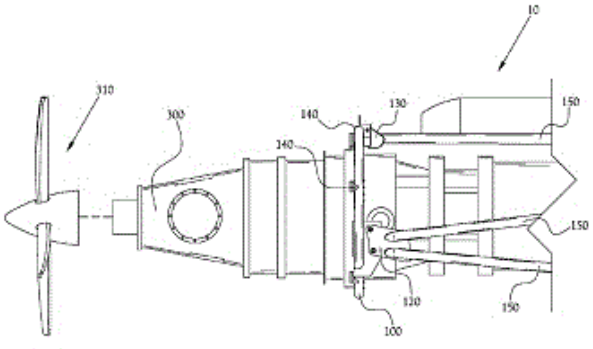
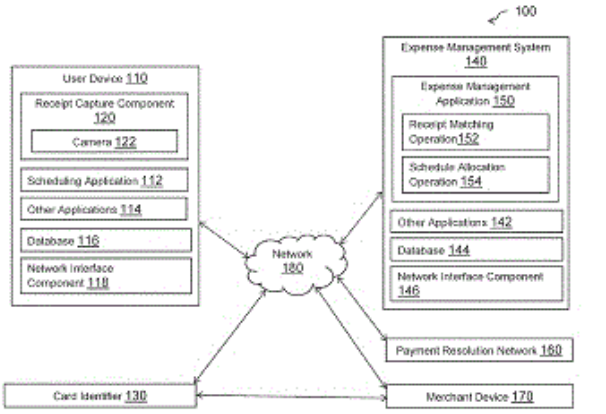


FIGURE 2

21: 2022/05664. 22: 2022/05/23. 43: 2023/09/20
51: B64D; B64F; F16M; F64D
71: AERO INNOVATIONS LLC
72: MILLS, JAMES M
33: US 31: 62/936,060 32: 2019-11-15
54: SYSTEMS AND METHODS OF RETROFITTING AN AIRCRAFT ENGINE TO AN AIRCRAFT
00: -
A system and method of converting engines on a turboprop aircraft, including removing an existing engine and associated propeller from an aircraft fuselage, installing an engine mount adapter assembly to the fuselage, and installing a replacement engine to the engine mount adapter assembly, whereby at least some portions of the replacement engine are attached to the engine mount adapter assembly for structural support.



21: 2022/05666. 22: 2022/05/23. 43: 2023/09/20
51: G06K; G06Q
71: BREX INC.
72: FRANCESCHI, PEDRO, CORDERI, IGNACIO
33: US 31: 16/664,694 32: 2019-10-25
33: US 31: 16/664,592 32: 2019-10-25
54: CODE GENERATION AND TRACKING FOR AUTOMATIC DATA SYNCHRONIZATION IN A DATA MANAGEMENT SYSTEM
00: -
There are provided systems and methods for code generation and tracking for automatic data synchronization in a data management system. A user associated with an entity, such as an employee of an organization, may purchase an item utilizing a payment instrument or card provided by the organization. In order to provide proper expense allocation, the organization may require receipt matching and storage per use of the payment instrument. An expense management system may provide digital code generation and output on a corresponding physical or digital receipt so that when the receipt is provided to the expense management system, the codes may be matched to backend data stored by the system. The receipts may be processed by extracting text data from an image of a receipt to determine the codes. The codes may then be used to search a database of codes to match to digital transaction data.

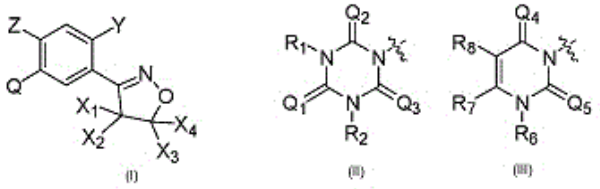


21: 2022/05727. 22: 2022/05/24. 43: 2023/09/20
51: C07D; A01N; A01P
71: QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD.
72: LIAN, LEI, PENG, XUEGANG, HUA, RONGBAO, ZHAO, DE, CUI, QI
33: CN 31: 202010131605.X 32: 2020-02-28
33: CN 31: 201911082204.3 32: 2019-11-07

54: SUBSTITUTED-ISOXAZOLINE-CONTAINING AROMATIC COMPOUND, PREPARATION METHOD THEREFOR, HERBICIDAL COMPOSITION AND USE THEREOF

00: -

The present invention belongs to the technical field of pesticides, and specifically relates to a substituted-isoxazoline-containing aromatic compound, a preparation method therefor, a herbicidal composition thereof and the use thereof. The compound is represented by general formula (I), wherein Q represents formula (II) or formula (III); Y represents a halogen, a haloalkyl group, or a cyano group; Z represents a halogen; X_1 and X_2 independently represent hydrogen, a halogen, an alkyl group, etc., respectively; X_3 represents a halogen, a cyano group, etc.; X_4 independently represents -$COOR_5$ or -alkyl-$COOR_5$ respectively; and R_5 independently represents hydrogen, an alkyl group, etc., respectively. The compound has an excellent herbicidal activity to grassy weeds, broadleaf weeds, etc., even at a low application rate, and has a high selectivity to crops.

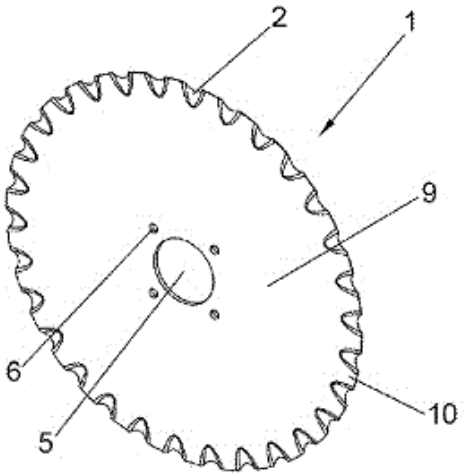


21: 2022/05728. 22: 2022/05/24. 43: 2023/09/20
51: A01B
71: BELLOTA AGRISOLUTIONS, S.L.
72: LAVIGNE, PATRICK EUGENE, BENT, ETHAN CURTIS STEPHEN
33: ES 31: P202031060 32: 2020-10-21
33: ES 31: P201930995 32: 2019-11-14

54: AGRICULTURAL DISC AND METHOD FOR MANUFACTURING AN AGRICULTURAL DISC FOR USE IN AGRICULTURAL WORK

00: -

The invention relates to an agricultural disc (1) for use in agricultural work, such as for furrowing the soil for sowing or for preparing the soil for tilling and hoeing, which comprises two surfaces (8, 9), a cutting circular perimeter edge (11) and a plurality of notches (2) located on a first surface (9) of said agricultural disc (1), distributed in the form of a circular matrix concentric with the agricultural disc (1), located adjacent to the perimeter edge (11). The invention also comprises the method for manufacturing the agricultural disc (1), which comprises a step of creating a plurality of waves (4) on a circular disc (20) and a stage of grinding or rectifying by machining the ridges generated on a second surface (8) when generating the waves (4).

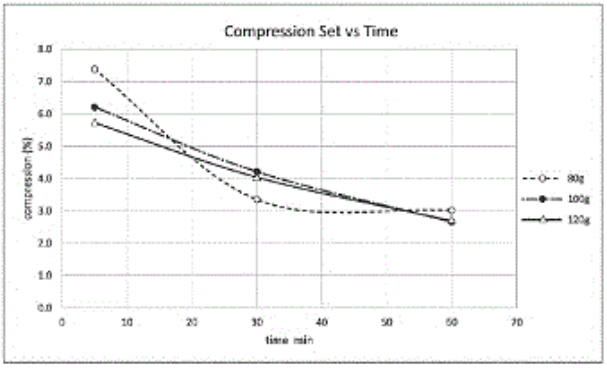


21: 2022/05731. 22: 2022/05/24. 43: 2023/09/20
51: C08L; C08G; C08K; C08J; H01R; C09K
71: COMMSCOPE TECHNOLOGIES LLC
72: ADAMS, GARY WILLIAM, GALLA, MATTHEW PETER
33: US 31: 63/013,992 32: 2020-04-22
33: US 31: 62/942,594 32: 2019-12-02

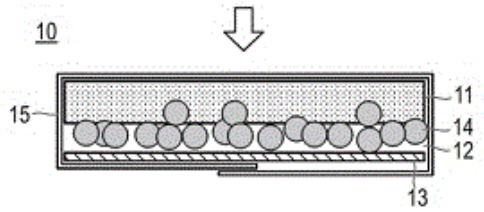
54: RAPID RECOVERY SILICONE GELS

00: -

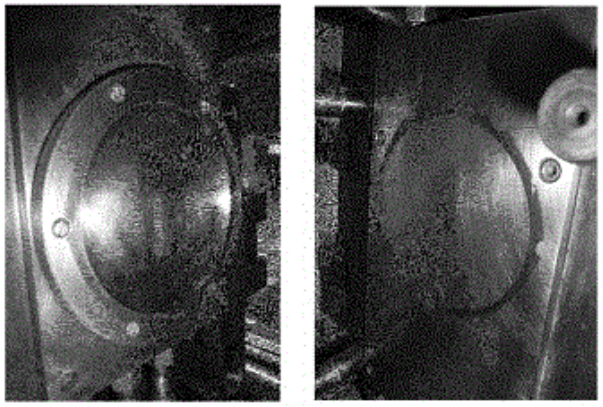
Sealants are provided, including silicone gels, compositions, and methods of making, for use in sealing telecommunications closures. The silicone gels are capable of sealing and resealing rapidly, for example, within 5 minutes after closing.



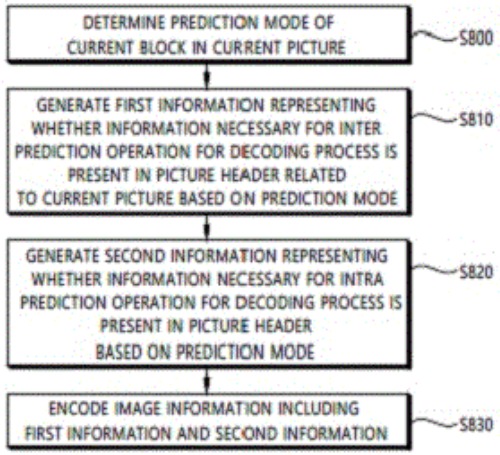
21: 2022/05800. 22: 2022/05/25. 43: 2023/09/20
51: D04H; A61F; B01J
71: NIPPON SHOKUBAI CO., LTD.
72: HIRAUCHI, TATSUSHI, FUJIKAWA, RYOSUKE, YORIMOTO, SADAIWA, KITANO, TAKAHIRO
33: JP 31: 2019-215887 32: 2019-11-28
33: JP 31: 2019-215888 32: 2019-11-28
54: WATER-ABSORBENT SHEET AND ABSORBENT ARTICLE INCLUDING SAME
00: -
[Problem] To provide a novel water-absorbent sheet with which it is possible to significantly reduce liquid discharge from the water-absorbent sheet caused by reversal, even when there is intermittent entry of liquid a plurality of times (in particular, three or more times). [Solution] A water-absorbent sheet having a first base material, a second base material, and a water-absorbent layer positioned between the first base material and the second base material, wherein the water-absorbent layer includes a particulate water absorbent, the surface of the first base material forms a water-absorbent surface that directly absorbs liquid, and the ratio (thickness (mm) of first base material/thickness (mm) of second base material) of the thickness (mm) of the first base material to the thickness (mm) of the second base material is at least 1.5 and less than 14.



21: 2022/05803. 22: 2022/05/25. 43: 2023/09/20
51: C08L
71: SAPPI NETHERLANDS SERVICES B.V.
72: ALEXANDRE, MICHAEL, MATOS VAZ, ANA LUISA, CELA, TINA
33: EP 31: 19209763.2 32: 2019-11-18
54: NON-CORRODING FIBER-REINFORCED POLYMER COMPOSITIONS
00: -
The invention relates to an injection-molding composition comprising at least one polyolefin, at least one delignified wood pulp fiber, at least one maleic anhydride-grafted polyolefin and at least one metal oxide chosen from oxides of alkaline earth metals or of zinc.

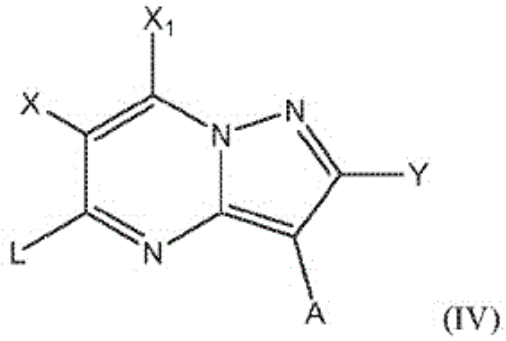


21: 2022/05804. 22: 2022/05/25. 43: 2023/09/20
51: H04N
71: LG ELECTRONICS INC.
72: PALURI, SEETHAL, HENDRY, HENDRY, KIM, SEUNGHWAN, ZHAO, JIE
33: US 31: 62/931,137 32: 2019-11-05
54: IMAGE/VIDEO CODING METHOD AND DEVICE
00: -
A video decoding method performed by a video decoding device according to the present document comprises the steps of: acquiring image information from a bitstream, the image information including a picture header associated with the current picture including a plurality of slices; parsing, from the picture header, a first flag indicating whether information necessary for an inter-prediction operation for a decoding process is present in the picture header; parsing, from the picture header, a second flag indicating whether information necessary for an intra-prediction operation for the decoding process is present in the picture header; and generating prediction samples by performing at least one of intra-prediction or inter-prediction for the slices in the current picture on the basis of the first flag or the second flag.



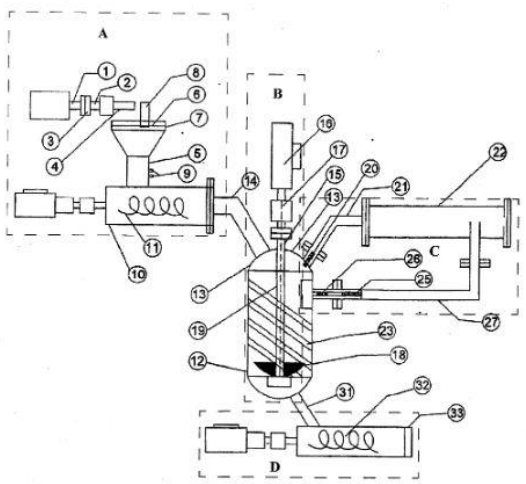
21: 2022/05870. 22: 2022/05/26. 43: 2023/09/27
51: A61L; F24F
71: BIOWAIR TOTAL SYSTEMS, S.L.
72: LLANA GARCIA, PEDRO, LUIS
33: EP 31: 19383056.9 32: 2019-11-28
54: BREATHING TREATMENT EQUIPMENT
00: -
Breathing treatment device (100) for therapeutic use, the device comprises a motorized air recirculation system, a set of filters for air purification (10a, 10b, 10c, 10d), an ultraviolet ray sterilizer and an plasma electrostimulator, the device characterized in that it comprises means for the ejection of air in laminar flow (6) with noise emission between 0 and 5dB; means for redirecting the laminar flow towards the head of the patient, a stabilizer (1), a multifilament diffuser (2), one or more UV-C LEDs (11).

21: 2022/05900. 22: 2022/05/27. 43: 2023/09/20
51: C07D; A61K; A61P
71: PYRAMID BIOSCIENCES, INC.
72: PAL, KOLLOL, CIBLAT, STEPHANE, ALBERT, VINCENT, BRUNEAU-LATOUR, NICOLAS, BOUDREAULT, JONATHAN
33: US 31: 62/599,490 32: 2017-12-15
54: 5-(2-(2,5-DIFLUOROPHENYL)PYRROLIDIN-1 -YL)-3-(1H-PYRAZOL-1-YL)PYRAZOLO[1,5-A]PYRIMIDINE DERIVATIVES AND RELATED COMPOUNDS AS TRK KINASE INHIBITORS FOR TREATING CANCER
00: -
The application relates to pyrazolo[1,5-a]pyrimidine derivatives of formula (IV) as Trk kinase inhibitors for treating cancer and inflammatory diseases.



(IV)

21: 2022/05922. 22: 2022/05/27. 43: 2023/02/21
51: B01D; B01J
71: CHEMICAL INNOVATION LTD.
72: ARSOV, Kamen Yordanov
33: BG 31: 113020 32: 2019-11-05
54: POLYMERIZATION INSTALLATION WITH INTEGRATED COMBINED ABSORPTION-DIFFUSION AND ABSORPTION-CONDENSATION UNIT AND ITS APPLICATION FOR POLYMER AND COPOLYMER PREPARATION
00: -
The invention refers to a polymerization installation with integrated combined absorption- diffusion and absorptioncondensation unit, as well as to the possibility of its use for the preparation of various polymers and copolymers by addition, emulsion, suspension or radical polymerization, which will find application in chemical industry. According to the invention, there are four structural units in the installation, as follows: supply unit (A), reaction unit (B), combined absorption-diffusion and absorption-condensation unit (C) and finished product discharge unit (D).



21: 2022/05927. 22: 2022/05/27. 43: 2023/09/07
51: A61P; C07K
71: Mabloc, LLC
72: WALKER, Laura, WEC, Anna
33: US 31: 62/940,049 32: 2019-11-25
54: ANTI-YELLOW FEVER VIRUS ANTIBODIES, AND METHODS OF THEIR GENERATION AND USE
00: -
Antibodies and antigen-binding fragments thereof specific to the YFV E protein and with neutralizing potency against YFV are provided. These antibodies and antigen-binding fragments are useful in treating YFV.

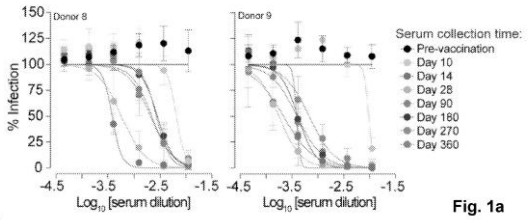
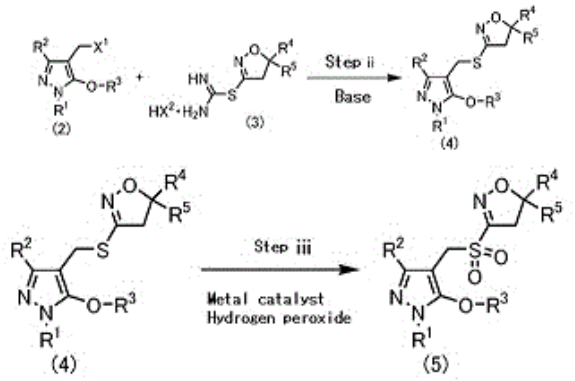


Fig. 1a

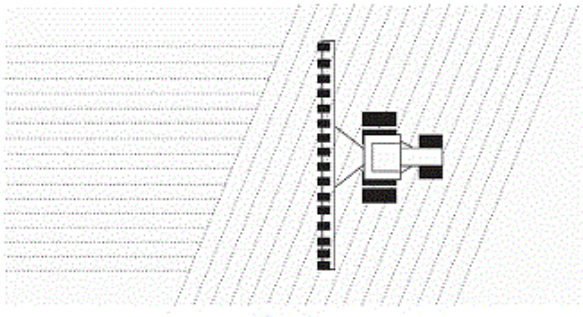
21: 2022/05932. 22: 2022/05/27. 43: 2023/09/07
51: C01B; C06B; C10L
71: Solenis Technologies Cayman, L.P.
72: BAKEEV, Kirill N., DIMAIO, Andrew M.
33: US 31: 16/666,616 32: 2019-10-29
54: REDUCING FORMATION OF CASO4 AND FE2O3 CONTAINING DEPOSITS IN A PRESSURE OXIDATION AUTOCLAVE AND/OR ADJACENT CIRCUITS.
00: -
Formation of CaSO4 and Fe2O3 containing deposits is reduced in a pressure oxidation autoclave and/or adjacent circuits during pressure oxidation of metal-containing ore. The metal-containing ore is combined with water to create an aqueous slurry that is heated and introduced into the autoclave. The method includes providing a scale inhibitor that is free of an organic polymer and includes an inorganic phosphate according to formula (I), $(XPO3)m$, wherein X is Na, K, H, or combinations thereof, and m is at least about 6, an inorganic phosphate according to formula (II), $Y_{n+2}P_nO_{3n+1}$, wherein Y is Na, K, H, an organic phosphonate; or combinations thereof, and n is at least about 6. The method includes the step of combining the scale inhibitor and at least one of the metal-containing ore, the water, and the aqueous slurry to reduce scale.

21: 2022/05942. 22: 2022/05/27. 43: 2023/09/20
51: C07D; C07B
71: KUMIAI CHEMICAL INDUSTRY CO., LTD.
72: UCHIDA, YUKIO, ATSUMI, NAOYA, TANI, SHINKI, OKADA, KOJI, MURAI, YUTA, CAOIMHIN, ARNOTT
33: JP 31: 2019-198600 32: 2019-10-31
54: PROCESS FOR PRODUCING HERBICIDE AND INTERMEDIATE THEREOF
00: -
The present invention provides industrially preferable processes for producing a sulfone derivative useful as a herbicide and an intermediate thereof. Provided are a process for producing a compound of the formula (4), comprising the following step ii: (step ii) a step of reacting a compound of the formula (2) with a compound of the formula (3) in the presence of a base to produce the compound of the formula (4), and a process for producing a compound of the formula (5), comprising the following step iii: (step iii) a step of reacting the compound of the formula (4) with hydrogen peroxide in the presence of a metal catalyst to produce the compound of the formula (5).



21: 2022/06001. 22: 2022/05/30. 43: 2023/09/20

51: A01C; A01B
71: ROBERT BOSCH LIMITADA
72: DA SILVA FOGAÇA, DANIEL, SEDOSKI JUNIOR, MARCELO LUIS, SIONEK, GUILHERME
33: BR 31: BR 10 2019 023538 1 32: 2019-11-08
54: INPUT SPREADING METHOD
00: -
The present invention relates to large-scale mechanization, precision agriculture and the concept of state machines. Specifically, the present invention relates to a method for spreading inputs using a vehicle that has a travelled route defined by a plurality of adjacent regular polygons (Q).



21: 2022/06078. 22: 2022/06/01. 43: 2023/09/20
51: C07K; A61K; A61P
71: GENENTECH, INC.
72: CHEN, XIAOCHENG, DENNIS, MARK S, EBENS, ALLEN J JR, JUNTTILA, TEEMU T, KELLEY, ROBERT F, MATHIEU, MARY A, SUN, LIPING L
33: US 31: 61/917,346 32: 2013-12-17
33: US 31: 62/026,594 32: 2014-07-18
33: US 31: 62/053,582 32: 2014-09-22
33: US 31: 61/949,950 32: 2014-03-07
33: US 31: 62/091,441 32: 2014-12-12
54: ANTI-CD3 ANTIBODIES AND METHODS OF USE
00: -
The disclosure provides anti-cluster of differentiation 3 (CD3) antibodies and methods of using the same.

21: 2022/06081. 22: 2022/06/01. 43: 2023/09/20
51: G01N
71: ILLUMINA, INC.
72: ZHONG, CHENG FRANK, FINKELSTEIN, HOD, BOYANOV, BOYAN, DEHLINGER, DIETRICH, SEGALE, DARREN
33: US 31: 61/914,275 32: 2013-12-10
54: BIOSENSORS FOR BIOLOGICAL OR CHEMICAL ANALYSIS AND METHODS OF MANUFACTURING THE SAME
00: -
An apparatus including a flow cell and a detection device. The detection device includes a device base having a sensor array of light sensors and a guide array of light guides. The light guides extend into the device base from an input region of the light guide and have a filter material. The device base includes peripheral crosstalk shields located therein that are positioned relative to the light guides. The apparatus may comprise a system including an interface and a biosensor that interacts with the interface.

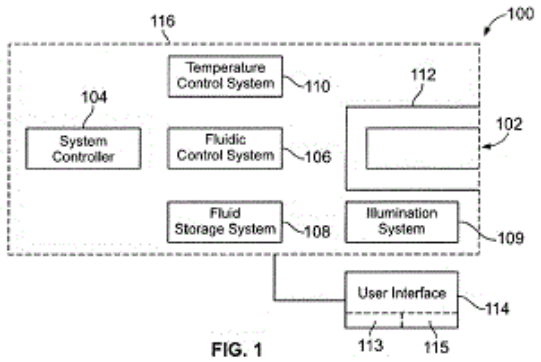
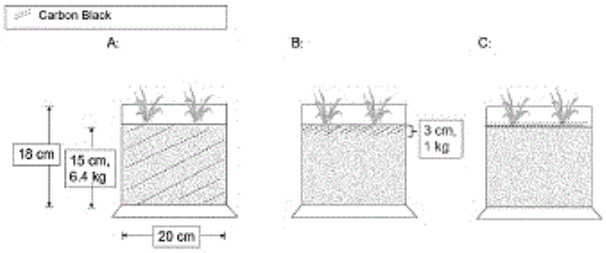


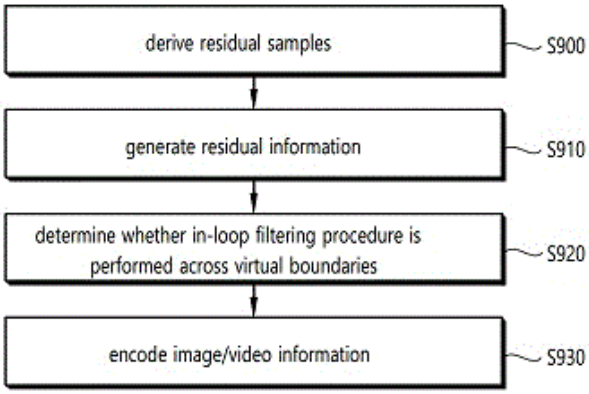
FIG. 1

21: 2022/06123. 22: 2022/06/01. 43: 2023/09/20
51: A61K; A61P
71: BIOTRON LIMITED
72: LUSCOMBE, CAROLYN, EWART, GARY, MILLER, MICHELLE
33: AU 31: 2020902273 32: 2020-07-03
33: AU 31: 2019904453 32: 2019-11-26
54: METHODS OF TREATING HIV-1 INFECTION
00: -
Current antiretroviral therapy (ART) is a combination of 2-3 antiretroviral agents that has been successful in reducing HIV-1 RNA in the blood, and has improved the morbidity and mortality of HIV-1 infection and AIDS. Despite potent ART, eradication of HIV-1 infection remains elusive and there is potential for persistent virus replication in viral reservoirs that may continue to drive the pathogenic disease progression. Accordingly, there is a need for agents that assist in eradicating HIV-1 infection. The present invention relates to treating HIV-1 infection by administering N-carbamimidoyl-5-(1-methylpyrazol-4-yl)naphthalene-2-carboxamide in combination with antiretroviral agents.

21: 2022/06175. 22: 2022/06/02. 43: 2023/09/20
51: A01G
71: BASF SE
72: FLICK, DIETER, SCHEIFF, FREDERIK, HEINDL, MAXIMILIAN, WISSEMEIER, ALEXANDER, BODE, ANDREAS
33: EP 31: 19217107.2 32: 2019-12-17
54: USE OF CARBON BLACK FOR SOIL CONDITIONING
00: -
The present invention comprises the use of carbon black for soil conditioning, e.g. to promote growth of plants, to promote soil drainage and to prevent erosion, evaporation and silting up. The carbon back is worked into the topsoil.

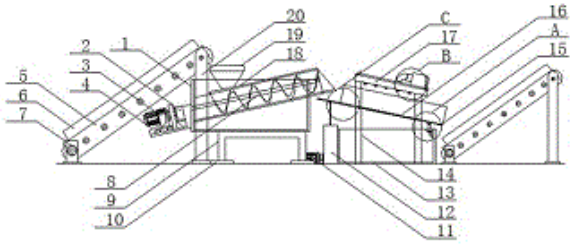


21: 2022/06176. 22: 2022/06/02. 43: 2023/09/12
51: H04N
71: LG ELECTRONICS INC.
72: HENDRY, HENDRY, PALURI, SEETHAL, KIM, SEUNGHWAN
33: US 31: 62/937,237 32: 2019-11-18
54: IMAGE CODING APPARATUS AND METHOD BASED ON SIGNALING OF INFORMATION FOR FILTERING
00: -
A decoding method performed by a decoding apparatus, according to embodiments of the present document, may comprise the steps of: acquiring, via a bitstream, image information including residual information; generating reconstructed samples of a current picture on the basis of the residual information; and generating modified reconstructed samples by performing an in-loop filtering procedure on the reconstructed samples of the current picture, wherein whether or not the in-loop filtering procedure is performed across virtual boundaries is determined. The virtual boundaries can bring, to the decoding apparatus, advantages from a hardware perspective.



21: 2022/06198. 22: 2022/06/03. 43: 2023/09/04
51: E01C
71: CHINA FIRST HIGHWAY ENGINEERING COMPANY LTD
72: WANG, YUGUO, ZHOU, YANDONG, LIU, QIANG
33: CN 31: 201911113528.9 32: 2019-11-14
54: GRAVEL SURFACE CHEMICAL SLURRY TREATMENT DEVICE AND METHOD
00: -
Disclosed are a gravel surface chemical slurry treatment device and treatment method. The treatment device comprises two conveying apparatuses (5), a soaking tank (1) and a collecting box (13) are arranged between the two conveying apparatuses (5), a supporting base (9) is fixed to the lower end of the soaking tank (1), a material-conveying device is arranged on one side of the soaking tank (1), a material-feeding hopper (19) is arranged on the material-conveying device, a fixing box (12) is arranged between the soaking tank (1) and the collecting box (13), a vibration device is arranged in the fixing box (12), a fixing plate (21) is rotationally connected to the vibration device, an opening is provided in the fixing plate (21), a filter screen (16) is installed in the opening, a drying device is arranged at the upper end of the fixing plate (21), the drying device corresponds to the filter screen (16), and the collecting box (13) corresponds to the filter screen (16). The treatment method comprises: preparing a cement paste, and conveying gravel in a cement paste soaking tank to a fixing plate (21) by means of a material-conveying device; vibrating and screening the cement paste by using a vibration device; enabling the gravel obtained after cement slurry separation to continue

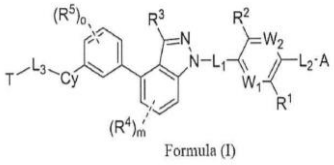
to move on the filter screen (16) of the fixing plate (21); and air-drying and curing the gravel.



21: 2022/06200. 22: 2022/06/03. 43: 2023/09/20
51: C12N; A01H
71: QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD.
72: JIANG, LINJIAN, WANG, JIYAO, MO, SUDONG, CHEN, BO, LI, HUARONG
33: CN 31: 202011190279.6 32: 2020-10-30
33: CN 31: 201911073406.1 32: 2019-11-06
54: METHOD FOR CREATING NEW GENE IN ORGANISM AND USE THEREOF
00: -
Disclosed are a method for creating a new gene in an organism without an artificial DNA template and the use thereof. The method comprises simultaneously generating DNA breakages in at least two different specific positions in the genome of an organism, wherein the specific positions are genomic sites capable of segmenting different gene elements or different protein domains; the DNA breakages are connected to each other by means of non-homologous end joining (NHEJ) or homologous repair, thereby generating a new combination of the different gene elements or different protein domains that differ from the original genome sequence to form a new gene. The new gene can change the growth, development, resistance, yield and other traits of an organism, and has great application value.

21: 2022/06245. 22: 2022/06/06. 43: 2023/10/23
51: A61K; C07K; C12N; A61P
71: UNIVERSITÄT BERN
72: KLEINLOGEL, Sonja, HULLIGER, Elmar, Carlos
33: EP 31: 19209841.6 32: 2019-11-18
54: ON-BIPOLAR CELL-SPECIFIC PROMOTERS FOR OCULAR GENE DELIVERY
00: -
The present invention relates to synthetic retinal ON-bipolar cell-specific promoter sequences and their use in therapeutic transgene delivery to the eye for the improvement and/or restoration of vision. The invention features metabotropic glutamate receptor 6 (mGluR6) promoters for an increased and more specific expression in ON-bipolar cells, in particular in cone ON-bipolar cells of the human macula.

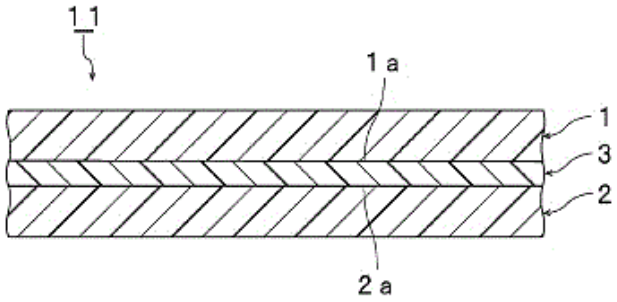
21: 2022/06266. 22: 2022/06/06. 43: 2023/11/13
51: A61K; C07D; A61P
71: ADLAI NORTYE BIOPHARMA CO., LTD.
72: YU, Zhiyong, LI, Pan, XU, Beidi, ZHOU, Yu, PANG, Wei, WEN, Qiaodong, SHI, Yongqiang, SUN, Zhao, LV, Meng
33: CN 31: 201911368320.1 32: 2019-12-26
54: PD-L1 ANTAGONIST COMPOUND
00: -
Provided are a compound of formula (I) and a pharmaceutical composition thereof, as well as a method for using the compound of formula (I) to prevent and/or treat immune-related disorders.



Formula (I)

21: 2022/06267. 22: 2022/06/06. 43: 2023/09/20
51: C03C; B32B; B60J
71: SEKISUI CHEMICAL CO., LTD.
72: IWAMOTO, TATSUYA, YAMAZAKI, KOUSHI, KANEKO, TOSHIKI
33: JP 31: 2019-222386 32: 2019-12-09
54: LAMINATED GLASS INTERLAYER FILM AND LAMINATED GLASS
00: -
Provided is a laminated glass interlayer film that can suppress the occurrence of foaming at an end portion of a laminated glass and can improve the transparency of the laminated glass without performing high-temperature and high-pressure treatment by using an autoclave. The laminated glass interlayer film according to the present invention, which has a structure having one layer or two or more layers, comprises a first layer, wherein when a specific compression creep test is performed on a test sample A, which is obtained by cutting the first layer and has a diameter of 8 mm and a thickness of 0.8 mm, the amount of change in the

thickness of the test sample A before and after the compression creep test is 50-325 μm.



21: 2022/06271. 22: 2022/06/06. 43: 2023/09/20
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: GUPTA, ANSHUL
33: EP 31: 19215249.4 32: 2019-12-11

54: DETERGENT COMPOSITION

00: -

The present invention relates to a detergent composition. More particularly, the invention is directed to a softening in the wash laundry composition. It is seen that in a carbonate-built detergent composition, the softening properties of a fabric softening component on the fabric reduces over multiple washes and there is a desire to further improve the softening benefits on fabric in wash. Moreover, there is a need to provide softening detergent compositions while maintaining the cleaning performance. It is thus an object of the present invention to provide a detergent composition capable of imparting improved softness and cleaning performance to fabrics treated during the wash cycle of a laundering process. It is found by the present inventors that the presence of a chelating agent and a bicarbonate salt significantly enhances the performance of a fabric softening agent in a carbonate-built powder detergent composition while maintaining the cleaning performance.

21: 2022/06272. 22: 2022/06/06. 43: 2023/09/20
51: C07D; C07C; A61P; A61K
71: OXFORD DRUG DESIGN LIMITED
72: EDMUND, GRACE, CHARLTON, MICHAEL H, FINN, PAUL W, JIRGENSONS, AIGARS, SKVORCOVA, MARIJA, VELIKS, JANIS, GRIGORJEVA, LIENE
33: US 31: 62/950,311 32: 2019-12-19

54: 2-AMINO-N-(AMINO-OXO-ARYL-LAMBDA6-SULFANYLIDENE)ACETAMIDE COMPOUNDS AND THEIR THERAPEUTIC USE

00: -

The present invention pertains generally to the field of therapeutic compounds. More specifically the present invention pertains to certain 2-amino-N-(amino-oxo-aryl-λ^6- sulfanylidene)acetamide compounds (referred to herein as ANASIA compounds) that, *inter alia*, inhibit (e.g., selectively inhibit) bacterial aminoacyl-tRNA synthetase (aaRS) (e.g., bacterial leucyl-tRNA synthetase, LeuRS). The present invention also pertains to pharmaceutical compositions comprising such compounds, and the use of such compounds and compositions, both in vitro and in vivo, to inhibit (e.g., selectively inhibit) bacterial aminoacyl-tRNA synthetase; to treat disorders that are ameliorated by the inhibition (e.g., selective inhibition) of bacterial aminoacyl-tRNA synthetase; to treat bacterial infections; etc.

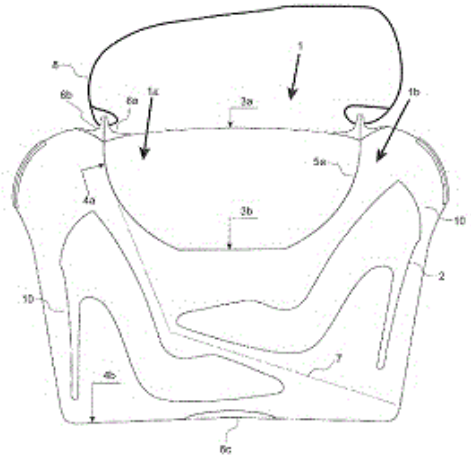
21: 2022/06275. 22: 2022/06/06. 43: 2023/09/20
51: A45C; A45F
71: AMMANN, PETER
72: AMMANN, PETER

54: TOTE BAG FOR HOLDING SPARE SHOES

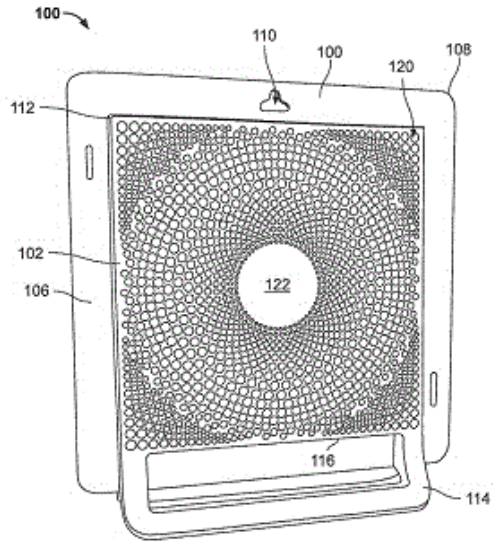
00: -

The invention relates to a tote bag (1) for holding spare shoes (2), in particular high-heeled shoes, comprising at least one first bag (1a), and comprising a second bag (1b) for holding the spare shoes (2). The second bag (1b) comprises a closing system (5b), by means of which an interior of the second bag (1b) for the spare shoes (2) can be closed and opened. The first bag (1a) can be fastened to the second bag (1b) at or on a common separating surface (3b, 4a) by means of a fastening system (5a), which separating surface is formed by a separating side (3b) of the first bag (1a) and a separating side (4a) of the second bag (1b), which

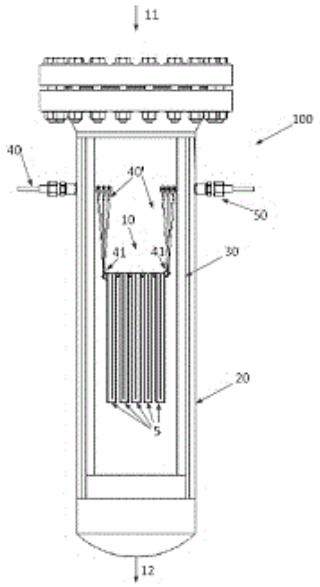
separating side faces the separating side (3b) of the first bag (1a). The fastening system (5a) is designed such that the first bag (1a) can be completely removed from the second bag (1b).



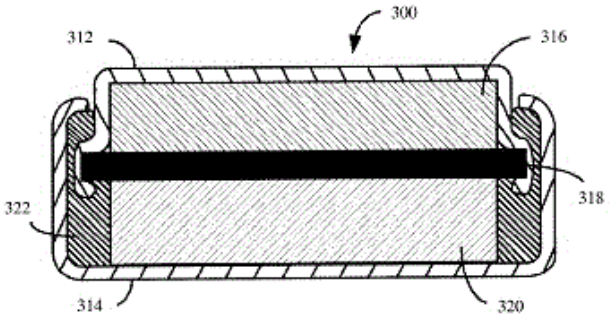
21: 2022/06276. 22: 2022/06/06. 43: 2023/09/20
51: A01M; A61L
71: S. C. JOHNSON & SON, INC.
72: NYAMBO, CALISTOR, KRAKAUER, MAX, O'GARA, CAITLIN Y, ULRICH, TODD, NICKEL, DIRK K
33: US 31: 62/944,748 32: 2019-12-06
54: DISPENSER AND METHOD OF USE THEREOF
00: -
A system for consistently emitting a volatile material, the system including a dispenser having at least one aperture, a substrate adapted to fit within the dispenser, and a volatile material. The substrate includes a first woven layer having a first pore size, a second woven layer having a second pore size, and a third, non-woven layer that extends between the first woven layer and the second woven layer. Further, the system has a steady state weight loss of the volatile material over a time greater than 30 days.



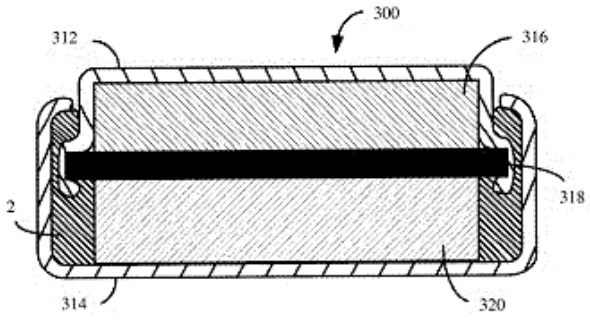
21: 2022/06324. 22: 2022/06/07. 43: 2023/09/20
51: B01J; C10L
71: HALDOR TOPSØE A/S
72: MORTENSEN, PETER MØLGAARD, AASBERG-PETERSEN, KIM, HULTQVIST, MICHAEL, KLEIN, ROBERT, LARSEN, KASPER EMIL
33: EP 31: 20201817.2 32: 2020-10-14
33: EP 31: 19213432.8 32: 2019-12-04
54: ELECTRICALLY HEATED CARBON MONOOXIDE REACTOR
00: -
A reactor system and a process for carrying out reverse water gas shift reaction of a feedstock comprising $C0_2$ and H_2 to a first product gas comprising CO are provided, where a methanation reaction take place in parallel to the reverse water gas shift reaction, and where the heat for the endothermic reverse water gas shift reaction is provided by resistance heating.



21: 2022/06329. 22: 2022/06/07. 43: 2023/09/20
51: H01M
71: SICONA BATTERY TECHNOLOGIES PTY LTD
72: GUO, ZAIPING, MAO, JIANFENG, WU, JINGXING
33: AU 31: 2019904719 32: 2019-12-13
54: ANODE FOR LITHIUM-ION BATTERY AND METHOD OF FABRICATING SAME
00: -
Disclosed is a method of fabricating an anode for a lithium-ion battery, including milling a mixture of nano-silicon, one or more carbonaceous materials and one or more solvents, wherein the mixture is retained as a wet slurry during milling. The mixture is carbonised to produce a silicon thinly coated with carbon (Si@C) material. Further milling occurs of a second mixture of the Si@C material, one or more graphite, one or more second carbonaceous materials and one or more second solvents, wherein the second mixture is retained as a second wet slurry during milling. The second mixture is carbonised to produce a Si@C/graphite/carbon material. The anode is formed from the Si@C/graphite/ carbon material.



21: 2022/06330. 22: 2022/06/07. 43: 2023/09/20
51: H01M
71: SICONA BATTERY TECHNOLOGIES PTY LTD
72: GUO, ZAIPING, MAO, JIANFENG, WU, JINGXING
33: AU 31: 2019904719 32: 2019-12-13
54: MULTIFUNCTIONAL POLYMER BINDER FOR ANODE AND METHOD OF PRODUCING SAME
00: -
Disclosed is a method of fabricating an anode for a lithium-ion battery, comprising the steps of: mixing a silicon/graphite/carbon material, one or more linear polymers, one or more conductive polymers, one or more self-healing polymers, and one or more rubber polymers to produce a slurry; coating the slurry onto a metallic member; and drying the metallic member with coated slurry to form the anode. Also disclosed is an anode and a lithium-ion battery. Also disclosed is a multi-functional polymer binder including one or more linear polymers, one or more conductive polymers, one or more self-healing polymers, and one or more rubber polymers.

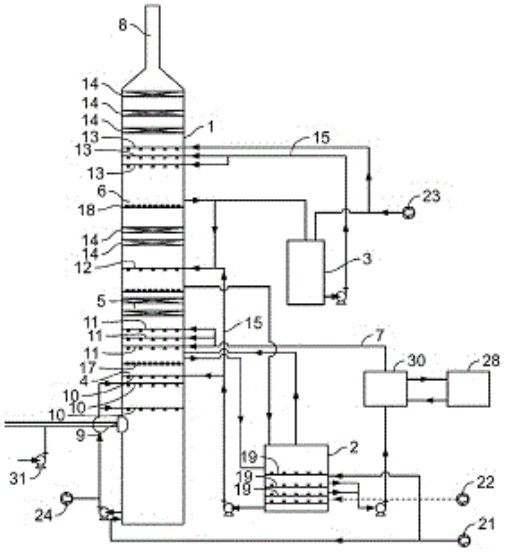


21: 2022/06378. 22: 2022/06/08. 43: 2023/09/20
51: B01D
71: JIANGNAN ENVIRONMENTAL PROTECTION GROUP INC.
72: LUO, JING, WANG, JINYONG
33: CN 31: 201911361251.1 32: 2019-12-26
33: US 31: 16/935,536 32: 2020-07-22

54: CONTROLLING AEROSOL PRODUCTION DURING ABSORPTION IN AMMONIA-BASED DESULFURIZATION

00: -

Controlling aerosol production during absorption in ammonia-based desulfurization. The absorption reaction temperature, the oxygen content and water content of the process gas may be controlled, and an absorption circulating liquid containing ammonium sulfite may be used for removing sulfur dioxide in flue gas, so as to control aerosol production during absorption in the ammonia-based desulfurization



21: 2022/06381. 22: 2022/06/08. 43: 2023/09/20

51: A61K

71: REGENERON PHARMACEUTICALS, INC.

72: ZHAO, YIMING, CHEN, HUNTER

33: US 31: 62/940,009 32: 2019-11-25

54: SUSTAINED RELEASE FORMULATIONS USING NON-AQUEOUS EMULSIONS

00: -

Non-aqueous emulsion methods for producing polymeric or polymer-coated microparticles are provided. One method produces a sustained release microparticle composition by combining protein powder and a polymer into a hydrocarbon solvent to form a non-aqueous first solution and adding the first solution to a second solution, wherein the second solution comprises a fluorocarbon liquid and a fluorosurfactant to form a non-aqueous emulsion comprising multiple emulsion hydrocarbon droplets in the fluorocarbon liquid. The subsequent microparticle hardening process includes the steps of removing the hydrocarbon solvent from the formed emulsion droplets, which can be achieved through evaporation the hydrocarbon at ambient condition under stirring, or accelerated hardening through vacuum, or through adding hydrofluoroester into the fluorocarbon as a cosolvent. Removing the fluorocarbon liquid and washing with extra fluorocarbon liquid to isolate the sustained release microparticles, wherein the sustained release microparticles comprise one or more cores of protein and a cortex of polymer.

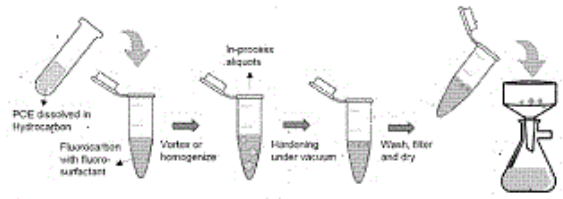


FIG. 1A

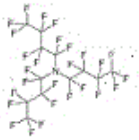
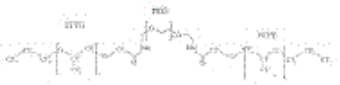


FIG. 1B



Pico-surf 1 (PFPE-PEG-PFPE)

FIG. 1C

21: 2022/06423. 22: 2022/06/09. 43: 2023/11/07

51: A61K; A61Q

71: L'OREAL

72: ROLFES, Heidi, NAICKER Pradisha, MOLAMODI, Kwezikazi, THIONGO Eliud

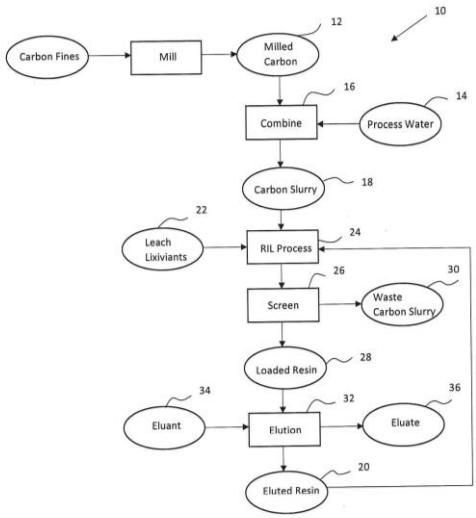
54: COMPOSITION COMPRISING NONIONIC SURFACTANT(S) OF ALKYLPOLYGLYCOSIDE TYPE, POLYOL(S), C8-C30 FATTY ACID ESTER(S) OF SORBITAN AND CATIONIC POLYMER(S)

00: -

The present invention relates to a composition useful for cleansing keratin fibers, and in particular human keratin fibers such as the hair, which comprises nonionic surfactant(s) of alkylpolyglycoside type, polyol(s), C8-C30 fatty acid ester(s) of sorbitan and cationic polymer(s). The composition of the invention is preferably free of anionic surfactants. The

invention also relates to a cosmetic process for cleansing keratin fibres using such a composition.

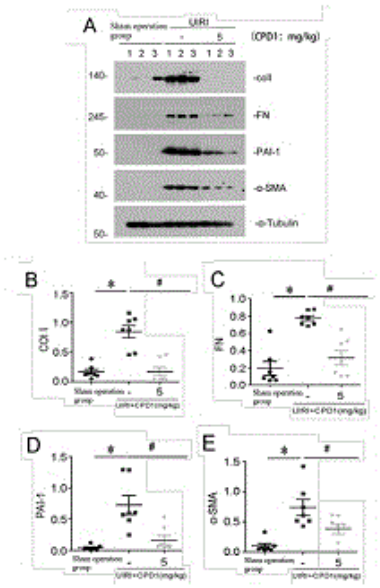
21: 2022/06427. 22: 2022/06/09. 43: 2023/11/13
51: C22B
71: WATERCARE INNOVATIONS (PTY) LTD
72: MOTILAL, Tresha
33: ZA 31: 2019/08517 32: 2019-12-20
54: PRECIOUS METAL RECOVERY FROM CARBON FINES
00: -
A method for the recovery of a precious metal from activated carbon fines which includes the steps of adsorption of the precious metals from the activated carbon fines onto a weak-base anion exchange resin which contains guanidine functional groups in the presence of at least one suitable lixiviant, or adsorption of the precious metals from activated carbon fines onto a mixed-base resin which contains amine functional groups in the presence of at least one suitable lixiviant and eluting the resin with a suitable eluant to produce a precious metal-containing eluate.



21: 2022/06435. 22: 2022/06/09. 43: 2023/09/19
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: GUPTA, ANSHUL
33: EP 31: 19215248.6 32: 2019-12-11
54: DETERGENT COMPOSITION
00: -
The present invention relates to a detergent composition. More particularly, the invention is directed to a softening in the wash laundry composition. It is seen that in a carbonate-built detergent composition, the softening properties of a fabric softening component on the fabric reduces over multiple washes and there is a desire to further improve the softening benefits on fabric in wash. Moreover, there is a need to provide softening detergent compositions while maintaining the cleaning performance. It is thus an object of the present invention to provide a detergent composition capable of imparting improved softness and cleaning performance to fabrics treated during the wash cycle of a laundering process. It is found by the present inventors that the presence of a chelating agent and a neutralized soap leads to significantly enhanced fabric softening benefits in a carbonate-built laundry detergent composition having a cationic polymer whilst maintaining good cleaning performance.

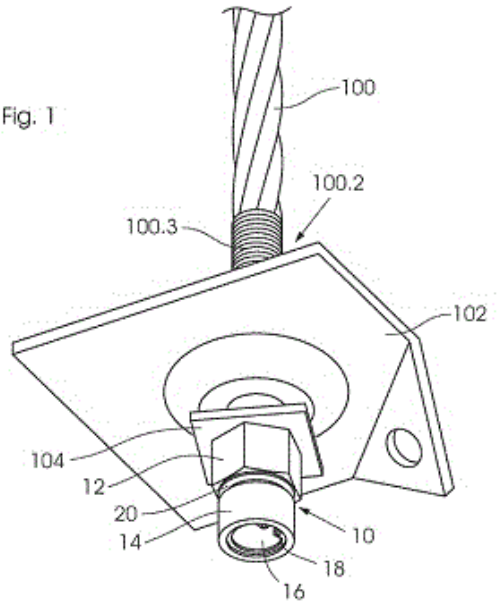
21: 2022/06439. 22: 2022/06/09. 43: 2023/09/19
51: A61K; A61P
71: SHENZHEN HANHUI PHARMACEUTICAL TECHNOLOGY CO., LTD.
72: ZHAO, ALLAN ZIJIAN, MU, YUNPING, LI, FANGHONG, ZHAO, ZHENGGANG, ZHU, HUIDAN
33: CN 31: 201911096936.8 32: 2019-11-11
54: USE OF PHOSPHODIESTERASE 5 INHIBITOR IN PREPARATION OF MEDICAMENT FOR RESISTING FIBROTIC DISEASES
00: -
Use of a phosphodiesterase type 5 inhibitor in the preparation of a medicament for resisting fibrotic diseases. Experiments in animal models of ischemia-reperfusion (UIRI)-induced renal fibrosis, unilateral ureteral obstruction (UUO)-caused kidney fibrosis and idiopathic pulmonary fibrosis show that a PDE5 inhibitor such as tadalafil, sildenafil and vardenafil can significantly inhibit the expression of multiple fibrosis iconic proteins such as fibronectin, collagen I, renal injury molecule-1 and α-skeletal muscle actin in UIRI and UUO renal fibrosis lesions, improves glomerulopathy, degree of renal tubular distension, renal interstitial collagen fiber deposition and inflammatory cell infiltration, reduces the fibrotic area within the lesion, and significantly inhibits the progression of renal fibrosis; and the PDE5 inhibitor can significantly improve smooth muscle proliferation and inflammatory cell infiltration in bronchioles and pulmonary arterioles of idiopathic pulmonary fibrosis lesion, improve damage condition of alveolar tissue,

and significantly inhibit the progression of pulmonary fibrosis.

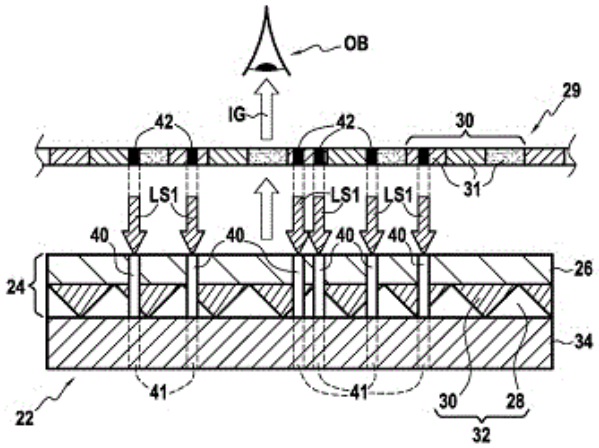


21: 2022/06448. 22: 2022/06/07. 43: 2023/09/19
51: F16B
71: MOHLALEFI ENGINEERING (PTY) LTD.
72: MUNIAH, GERALD
33: ZA 31: 2019/05205 32: 2019-08-07
54: SHEARING NUT FOR A ROOF BOLT
00: -
A shearing nut 10 for a rock bolt, such as a roof bolt 100. The shearing nut is typically used in a method of installing the rock bolt in a rock body 122. In particular, the shearing nut 10 comprises a first portion 12 having an internal thread, configured to engage a threaded potion 100.3 of the bolt 100; a second portion 14 configured, in use, to prevent rotation of the second portion 14 beyond a predetermined position along the threaded portion 100.3; and a shearing portion 20 connecting the first portion 12 and the second portion 14. The shearing portion 20 is configured to shear when a predetermined torque is applied to the first portion 12, whereafter the first portion 12 is allowed to rotate relative to the second portion 14 and along the thread 100.3 of the bolt 100.

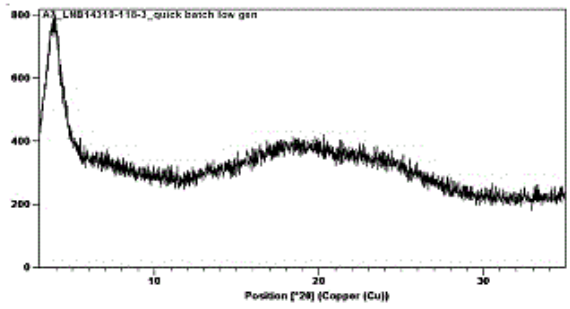
Fig. 1



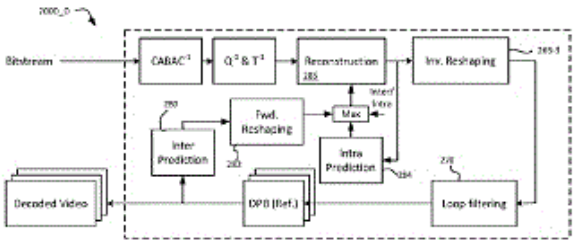
21: 2022/06587. 22: 2022/06/14. 43: 2023/09/19
51: B42D
71: IDEMIA FRANCE
72: DURIEZ, CHRISTOPHE, AZUELOS, PAUL
33: FR 31: FR1913513 32: 2019-11-29
54: SECURITY DOCUMENT HAVING A PERSONALISED IMAGE FORMED FROM A METAL HOLOGRAM AND METHOD FOR THE PRODUCTION THEREOF
00: -
The invention relates to a security document comprising: a first layer (24) comprising a metal holographic structure (32) forming an arrangement (29) of pixels (30) each comprising a plurality of sub-pixels (31) of distinct colours; and a second layer (34) positioned facing the first layer (24), this second layer being opaque with respect to the wavelength spectrum of the visible. The first layer (24) comprises perforations (40) formed by a first laser emission (LS1), these first perforations locally revealing through the holographic structure (32) dark regions (42) in the sub-pixels (31), these dark regions being caused by subjacent regions (41) of the opaque second layer (34) that are located facing the perforations, so as to form a personalised image (IG) from the arrangement of pixels (30) combined with the dark regions (42).



21: 2022/06588. 22: 2022/06/14. 43: 2023/09/19
51: C07C; C09B
71: INSPIRNA, INC.
72: WALD, STEPHEN, MARTINEZ, EDUARDO J, STRATFORD, SAMUEL, BUIST, AMANDA, BENSON, JOSEPH, LOUGHREY, JONATHAN
33: US 31: 62/947,968 32: 2019-12-13
54: METAL SALTS AND USES THEREOF
00: -
The present invention relates to metal salts of 2-[3-[(3R)-3-[[2-chloro-3-(trifluoromethyl)phenyl]methyl-(2,2-diphenylethyl)amino]butoxy]phenyl]acetic acid which exhibit improved physical properties and stability. The invention also relates to pharmaceutical compositions including an effective amount of the metal salts, as well as methods of treating cancer including administration of a pharmaceutical composition including a salt of the invention to a subject in need thereof.

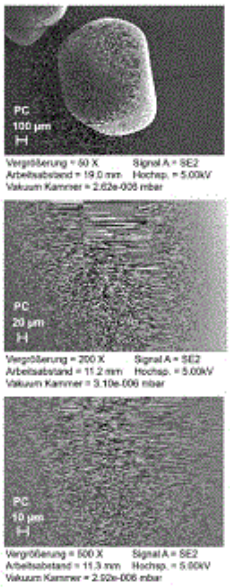


21: 2022/06622. 22: 2022/06/15. 43: 2023/09/19
51: H04N
71: DOLBY LABORATORIES LICENSING CORPORATION
72: YIN, PENG, PU, FANGJUN, LU, TAORAN, CHEN, TAO, HUSAK, WALTER J, MCCARTHY, SEAN THOMAS
33: US 31: 62/630,385 32: 2018-02-14
33: US 31: 62/726,608 32: 2018-09-04
33: US 31: 62/782,659 32: 2018-12-20
33: US 31: 62/772,228 32: 2018-11-28
33: US 31: 62/792,122 32: 2019-01-14
33: US 31: 62/691,366 32: 2018-06-28
33: US 31: 62/739,402 32: 2018-10-01
54: IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION OPTIMIZATION
00: -
Given a sequence of images in a first codeword representation, methods, processes, and systems are presented for image reshaping using rate distortion optimization, wherein reshaping allows the images to be coded in a second codeword representation which allows more efficient compression than using the first codeword representation. Syntax methods for signaling reshaping parameters are also presented.



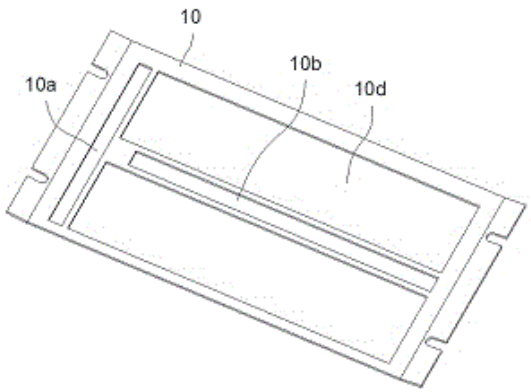
21: 2022/06668. 22: 2022/06/15. 43: 2023/09/19
51: C05F; C05G
71: BASF SE
72: HEINDL, MAXIMILIAN, FLICK, DIETER, SCHEIFF, FREDERIK, WISSEMEIER, ALEXANDER, PREUSS, RAINER, BODE, ANDREAS
33: EP 31: 19217079.3 32: 2019-12-17
54: USE OF GRANULAR PYROLYTIC CARBON FOR SOIL CONDITIONING
00: -
Soil conditioning substrate containing granular pyrolytic carbon having a density of 1.6 to 2.3 g/cc, a specific surface area of 0.001 to 5 m2/g measured by Hg porosimetry, a particle size of 0.3 mm (d10) to 8 mm (d90) and a carbon content of 95 to 100 weight-%. A method to promote growth of plants on agricultural fields which comprises applying particulate granular pyrolytic carbon having a density of 1.6 to 2.3 g/cc, a specific surface area of 0.001 to

5 m2 / g measured by Hg porosimetry, a particle size of 0.3 to 8 mm and a carbon content of 95 to 100 weight-%. Use of granular pyrolytic carbon containing granular pyrolytic carbon having a density of 1.6 to 2.3 g/cc, a specific surface area of 0.001 to 5 m2/g measured by Hg porosimetry, a particle size of 0.3 mm (d10) to 8 mm (d90) and a carbon content of 95 to 100 weight-% as soil conditioner for agricultural fields and/or gardening, carbon content of 95 to 100 weight-% on the agricultural fields.



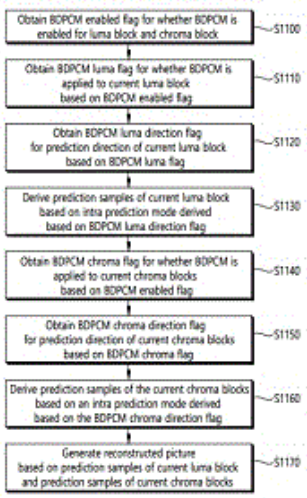
21: 2022/06670. 22: 2022/06/15. 43: 2023/09/19
51: A61K; A61P; C07K
71: GENENTECH, INC.
72: LIN, WEIYU, SPIESS, CHRISTOPH, SUN, LIPING, WU, YAN, CHIU, CECILIA P.C, DARBONNE, WALTER CHRISTIAN, DILLON, MICHAEL ANDREW
33: US 31: 62/948,097 32: 2019-12-13
54: ANTI-LY6G6D ANTIBODIES AND METHODS OF USE
00: -
Provided herein are anti-Ly6G6D (lymphocyte antigen 6 complex, locus G61) antibodies and methods of using the same.

21: 2022/06671. 22: 2022/06/15. 43: 2023/09/20
51: B01D; H02K
71: BEIJING GOLDWIND SCIENCE & CREATION WINDPOWER EQUIPMENT CO., LTD.
72: ZHAO, JIANGWEI
33: CN 31: 201911192768.2 32: 2019-11-28
54: FILTERING DEVICE, GENERATOR AND WIND TURBINE GENERATOR SYSTEM
00: -
A filtering device, a generator and a wind turbine generator system. The filtering device comprises a force-bearing cover plate (10), a surrounding plate (20), a first filter screen structure (30), a second filter screen structure (40) and a filter cartridge (60); the force-bearing cover plate (10) and the surrounding plate (20) enclose an accommodation space (70) for filling the filter cartridge (60), the surrounding plate (20) forming at least a part of a side wall of the accommodation space (70); the first filter screen structure (30) is provided on an upper side of the filter cartridge (60), is located on a lower side of the force-bearing cover plate (10), and substantially covers an upper side surface of the filter cartridge (60); and the second filter screen structure (40) is provided at a lower side of the filter cartridge (60), and covers a lower side surface of the filter cartridge (60). The filtering device performs filtering at a cooling air inlet of the generator.



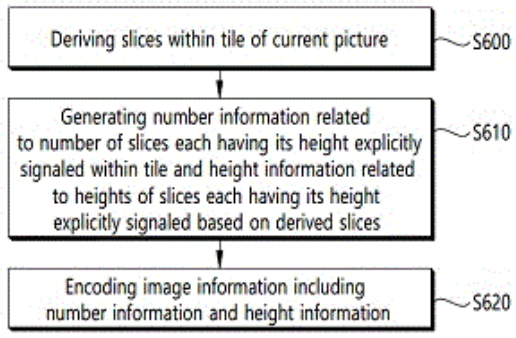
21: 2022/06673. 22: 2022/06/15. 43: 2023/09/19
51: H04N
71: LG ELECTRONICS INC.
72: CHOI, JUNGAH, YOO, SUNMI, LIM, JAEHYUN, CHOI, JANGWON, KIM, SEUNGHWAN
33: US 31: 62/959,763 32: 2020-01-10
54: BDPCM-BASED IMAGE DECODING METHOD FOR LUMA COMPONENT AND CHROMA COMPONENT, AND DEVICE FOR SAME
00: -
An image decoding method performed by a decoding device according to the present document is characterized by comprising the steps of: acquiring a block-based delta pulse code modulation (BDPCM) available flag about whether a BDPCM is

available for a chroma block and a luma block; acquiring, on the basis of the BDPCM available flag, a BDPCM luma flag about whether to apply the BDPCM to the current luma block; and acquiring, on the basis of the BDPCM available flag, a BDPCM chroma flag about whether to apply the BDPCM to the current chroma blocks.



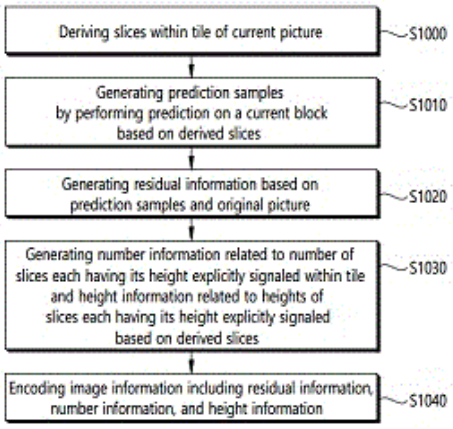
21: 2022/06756. 22: 2022/06/17. 43: 2023/09/19
51: A61K; A61P; A61Q; C08B
71: BMG PHARMA S.P.A.
72: MASTRODONATO, MARCO, STUCCHI, LUCA, SECHI, ALESSANDRA, PICOTTI, FABRIZIO, GIANNI, RITA
33: IT 31: 102019000021693 32: 2019-11-20
54: CROSSLINKED BUTYRATE OR BUTYRATE-FORMATE DERIVATIVES OF HYALURONIC ACID AND THE CROSSLINKING PROCESS THEREOF
00: -
The present invention relates to a process for the preparation of crosslinked hyaluronic acid butyrate or crosslinked hyaluronic acid butyrate-formate or an acceptable salt thereof, wherein the process comprises the crosslinking reaction of hyaluronic acid butyrate or hyaluronic acid butyrate-formate or a pharmaceutically acceptable salt thereof in an organic solvent with a carboxyl activating reagent, characterised in that the hyaluronic acid butyrate or hyaluronic acid butyrate-formate or pharmaceutically acceptable salt thereof is a mixture of a high-molecular-weight polysaccharide and a low-molecular-weight polysaccharide.

21: 2022/06761. 22: 2022/06/17. 43: 2023/09/19
51: H04N
71: LG ELECTRONICS INC.
72: HENDRY, HENDRY, PALURI, SEETHAL, KIM, SEUNGHWAN
33: US 31: 62/941,861 32: 2019-11-28
54: IMAGE/VIDEO ENCODING/DECODING METHOD AND DEVICE
00: -
A video decoding method performed by a video decoding device according to the present document may comprise the steps of: parsing, from a bitstream, number information relating to the number of slices each having an explicitly signaled height in a tile of a current picture; on the basis of the number information, parsing, from the bitstream, height information relating to heights of the slices each having an explicitly signaled height; when a value of the number information is n, deriving heights of 0-th to (n-1)-th slices in the tile on the basis of the height information; deriving the height of the n-th slice in the tile on the basis of the height of the (n-1)-th slice; deriving a height of a last slice in the tile on the basis of a height remaining after subtracting the sum of heights of the other slices in the tile from a height of the tile; deriving the number of slices in the tile; and decoding the current picture on the basis of slices of the current picture.



21: 2022/06762. 22: 2022/06/17. 43: 2023/09/19
51: H04N
71: LG ELECTRONICS INC.
72: HENDRY, HENDRY, PALURI, SEETHAL, KIM, SEUNGHWAN
33: US 31: 62/941,845 32: 2019-11-28
54: METHOD AND DEVICE FOR SIGNALING INFORMATION RELATED TO SLICE IN IMAGE/VIDEO ENCODING/DECODING SYSTEM
00: -
A method by which a video decoding device decodes a video, according to the present

document, can comprise the steps of: parsing, from a bitstream, number information related to the number of slices of which the height within a tile of a current picture is explicitly signaled; parsing, from the bitstream, on the basis of the number information, height information related to the height of the slices of which the height is explicitly signaled; deriving the number of slices in the tile on the basis of the number information and the height information; generating prediction samples by predicting the current block of the current picture on the basis of the slices within the tile; generating reconstructed samples on the basis of the prediction samples; and generating a reconstructed picture for the current picture on the basis of the reconstructed samples.



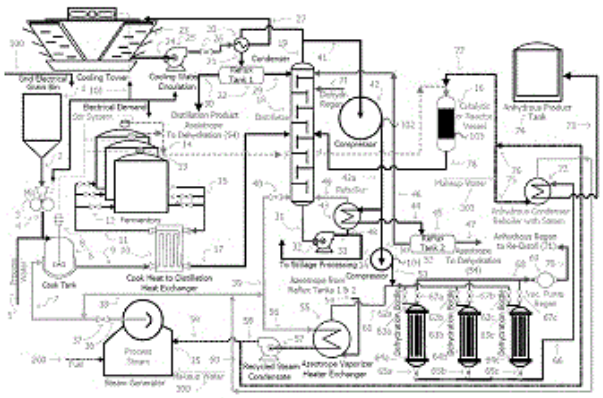
21: 2022/06766. 22: 2022/06/17. 43: 2023/09/20
51: C09D; B42D; C08K
71: OBERTHUR FIDUCIAIRE SAS
72: ROSSET, HENRI, LE BERRE, MARJORY
33: FR 31: FR1914829 32: 2019-12-19
54: PROTECTIVE VARNISH, IN PARTICULAR FOR SECURITY DOCUMENTS
00: -
The invention mainly relates to a radiation-curable protective varnish comprising at least one cationically or radically curable compound and at least one metal selected from among silver, copper, zinc and mixtures thereof, characterized in that said metal is in the state of zero oxidation level and in a supported particulate form.

21: 2022/06809. 22: 2022/06/20. 43: 2023/09/19
51: A61P; A61K
71: TRIAD NATIONAL SECURITY, LLC, OREGON HEALTH & SCIENCE UNIVERSITY, VIR BIOTECHNOLOGY, INC.
72: BRUENING, ERIC, FRUEH, KLAUS, PICKER, LOUIS, KORBER, BETTE T M, THEILER, JAMES, MARSHALL, EMILY
33: US 31: 62/059,506 32: 2014-10-03
33: US 31: 62/059,497 32: 2014-10-03
54: HIV VACCINES COMPRISING ONE OR MORE POPULATION EPISENSUS ANTIGENS
00: -
Provided herein are HIV-1 vaccines comprising a carrier and a population episensus antigen determined using the EpiGraph approach. Also provided are HIV-1 vaccines comprising a carrier, a population episensus antigen, and a tailored antigen. Also provided are methods of designing and producing an HIV-1 vaccine for a subject comprising designing vaccine antigens to optimally cover the diversity within a geographic area using an antigen amino acid sequence generated using the EpiGraph approach and producing said designed vaccine antigen. Also provided are methods of inducing an effector memory T cell response comprising designing the one or more EpiGraph amino acid sequences, producing a vaccine comprising the one or more EpiGraph amino acid sequences and a vector, and administering the vaccine to a subject. Further provided are methods of treating HIV-1 in a subject comprising administering an effective amount of the described HIV-1 vaccines to the subject in need thereof.

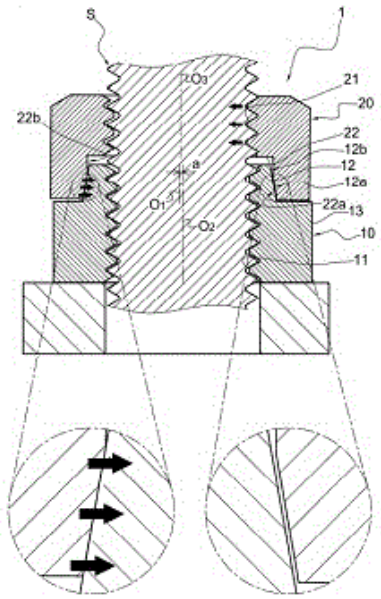
21: 2022/06813. 22: 2022/06/20. 43: 2023/10/19
51: A61K
71: THEMIS MEDICARE LIMITED
72: PATEL, Dinesh, Shantilal, PATEL, Sachin, Dinesh, KURANI, Shashikant, Prabhudas, SATHE, Milind, Vinayak
33: IN 31: 201921052016 32: 2019-12-16
54: PHARMACEUTICAL COMPOSITION OF CYCLOOXYGENASE – 2 INHIBITORS
00: -
Present invention relates to aqueous compositions comprising cyclooxygenase-2 (COX-2) inhibitors, preferably Etoricoxib or Celecoxib or Valdecoxib or Paracoxib or salts thereof at least two solubilizers at 4.2% w/v to 19% w/v, preferably between 4.2% w/v to 18% w/v having viscosity in range of 1.0 cps to 3 cps, wherein the Etoricoxib and Celecoxib or salts thereof are present in amount ranging from 0.14 mg

to 4 mg. The composition is suitable for the parenteral route of administration primarily for ready to dilute and ready to infuse which alternatively can be administered as intramuscular, intraarterial, intraocular, intraventricular, intravenous routes; also for subcutaneous, cutaneous delivery. The invention further provides a method for preparing the said composition.

21: 2022/06826. 22: 2022/06/20. 43: 2023/09/19
51: B01D
71: ENERGY INTEGRATION, INC.
72: CRAWFORD, LYNN, SCHAFER III, WILLIAM
33: US 31: 62/939,101 32: 2019-11-22
33: US 31: 16/953,282 32: 2020-11-19
54: SYSTEMS AND METHODS FOR INTEGRATED CO2 REUSE USING VAPOR COMPRESSION
00: -
Systems and methods are disclosed for optimizing the process energy required for the conversion of carbon dioxide (CO_2) to biochemicals through vapor compression. Mechanical or thermal vapor compression are used to minimize both the process energy and the cooling in condensers, integrating the heat required by those processes and reusing heat that is typically lost. Some variations provide a process for producing biochemicals from biomass, comprising: cooking biomass to release saccharides; fermenting the saccharides to generate a biochemical in aqueous solution, and carbon dioxide; hydrogenating the carbon dioxide with a hydrogen source to generate an additional quantity of biochemical; feeding the fermentation-derived biochemical, as well as the CO_2-derived biochemical, to a distillation column for purification; and compressing vapors from the distillation column, using mechanical vapor recompression and/or thermal vapor recompression, to recover heat of distillation that is utilized elsewhere in the biorefinery to reduce overall process energy usage.

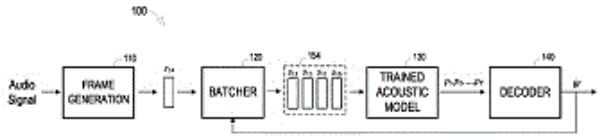


21: 2022/06828. 22: 2022/06/20. 43: 2023/09/19
51: F16B
71: HARDLOCK INDUSTRY CO., LTD.
72: WAKABAYASHI, KATSUHIKO
33: JP 31: 2019-230031 32: 2019-12-20
54: LOOSENING PREVENTION DEVICE
00: -
The objective of the present invention is to reduce the amount of inclination of a nut 20 with respect to a nut 10 in a fastened state in a loosening prevention device in which a loosening prevention effect is produced by eccentric fitting of a protruding part 12 of the nut 10 and a recessed part 22 of the nut 20. The outer-circumferential surface of the protruding part 12 and the inner-circumferential surface of a recessed part 22 are configured such that, although a tapered outer-circumferential surface portion 12a of the protruding part 12 interferes with a tapered inner-circumferential surface portion 22a of the recessed part 22 in a portion in the circumferential direction when the protruding part 12 of the nut 10 threaded onto a threaded shaft S and the recessed part 22 of the nut 20 threaded onto the threaded shaft S are in an eccentric fitting state, a gap is formed between a leading-end outer-circumferential surface portion 12b of the protruding part 12 and a base-side inner-circumferential surface portion 22b of the recessed part 22 along the entire circumference.



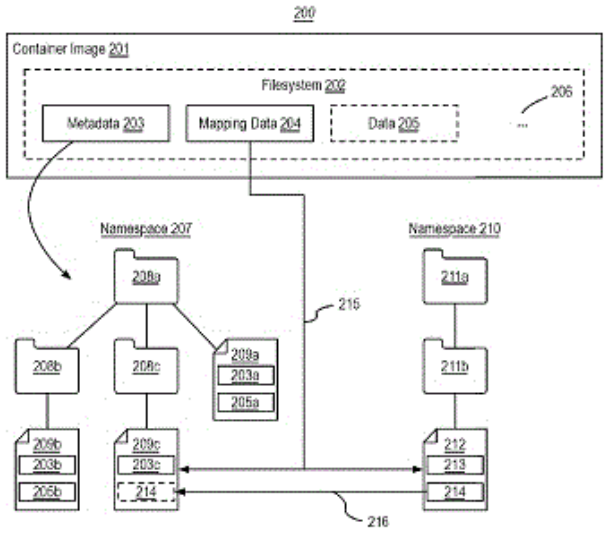
21: 2022/06829. 22: 2022/06/20. 43: 2023/09/19
51: C22C; C22B
71: PANGANG GROUP PANZHIHUA IRON & STEEL RESEARCH INSTITUTE CO., LTD.
72: YU, BIN, JING, HAN, CHEN, HAIJUN, SHI, QIHUA, ZHANG, LIN, LIANG, BIN
33: CN 31: 202010152485.1 32: 2020-03-06
54: PREPARATION METHOD FOR FERROVANADIUM ALLOY
00: -
Disclosed is a preparation method for a ferrovanadium alloy, relating to the technical field of metallurgy. The method comprises the following steps: a, with a vanadium-containing material as a raw material, dividing a smelting process into N stages, separately preparing mixtures according to each stage, putting the mixtures from the 1st to (N-1)th stages into a furnace for smelting in two batches, discharging slag after the (N-1)th stage of smelting is finished, and adding the mixture from the Nth-stage into the furnace in one process for smelting and pre-reducing, wherein an aluminum preparation coefficient of the first batch of mixture in the 1st-(N-1)th stages is 1.0-1.1, an aluminum preparation coefficient of the second batch of mixture in the 1st-(N-1)th stages is 1.0-1.4, an aluminum preparation coefficient of the mixture in the Nth stage is 0.2-1.0, and a comprehensive aluminum preparation coefficient of the total furnace charge is 1.00-1.08; and b, after reduction is finished, overturning molten slag and metal into a refining furnace for refining; and after refining is finished, dismantling the furnace after the furnace body is naturally cooled, and then separating the slag and the metal to obtain the alloy. The method is beneficial for improving thermodynamic conditions during a smelting process, and can also greatly reduce the vanadium loss in the slag.

21: 2022/06832. 22: 2022/06/20. 43: 2023/09/19
51: G10L
71: MICROSOFT TECHNOLOGY LICENSING, LLC
72: KHALIL, HOSAM A, STOIMENOV, EMILIAN Y, GONG, YIFAN, LIU, CHAOJUN, BASOGLU, CHRISTOPHER H, AGARWAL, AMIT K, PARIHAR, NAVEEN, PATHAK, SAYAN
33: US 31: 16/773,205 32: 2020-01-27
33: US 31: 62/960,240 32: 2020-01-13
54: ADAPTIVE FRAME BATCHING TO REDUCE SPEECH RECOGNITION LATENCY
00: -
Embodiments may include collection of a first batch of acoustic feature frames of an audio signal, the number of acoustic feature frames of the first batch equal to a first batch size, input of the first batch to a speech recognition network, collection, in response to detection of a word hypothesis output by the speech recognition network, of a second batch of acoustic feature frames of the audio signal, the number of acoustic feature frames of the second batch equal to a second batch size greater than the first batch size, and input of the second batch to the speech recognition network.



21: 2022/06833. 22: 2022/06/20. 43: 2023/09/19
51: G06F
71: MICROSOFT TECHNOLOGY LICENSING, LLC
72: XIE, PING, BRENDER, SCOTT, CHAGANI, SHAHEED GULAMABBAS, STARKS, JOHN ANDREW, KISHAN, ARUN U
33: LU 31: LU101621 32: 2020-01-30
54: EFFICIENTLY PROVIDING A GUEST CONTEXT ACCESS TO FILE CONTENT AT A HOST CONTEXT
00: -
Using metadata for a contentless file to provide a guest context access to file content. Within a guest

context, a filesystem is mounted from a container image which lacks a first file's content and which includes metadata defining properties of the first file and mapping data defining information for identifying a second file within another filesystem from which the first file's content is obtainable. Based on the properties, a filesystem operation involving the first file is performed without switching to a host context, and a requested access to the first file's content is responded to. Responding includes, based on the mapping data, communicating a request for the host context to supply the first file's content and, after returning from a context switch, responding to the requested access by supplying content of the second file from guest memory page(s) which are mapped to host memory page(s) containing the second file's content.

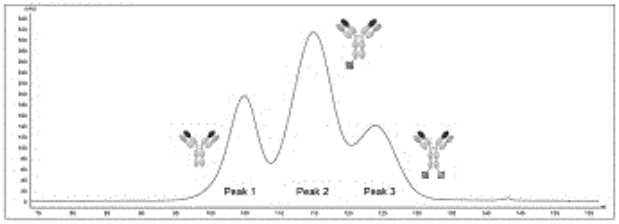


21: 2022/06835. 22: 2022/06/20. 43: 2023/09/19
51: C07K; B01D
71: ABL BIO INC.
72: SONG, DAEHAE, PAK, YOUNGDON, JUNG, JINWON, HONG, JUNGHYEON, LIM, HEEJIN, KIM, DONGIN
33: US 31: 62/953,687 32: 2019-12-26
33: KR 31: 10-2020-0173808 32: 2020-12-11
33: US 31: 62/953,685 32: 2019-12-26

54: METHOD FOR PURIFYING BIOLOGICALLY ACTIVE PEPTIDE BY USING PROTEIN A AFFINITY CHROMATOGRAPHY

00: -

The present invention provides a method for purifying an Fc-containing biologically active peptide mixture by using an affinity column comprising an affinity matrix that contains a protein A ligand, the mixture comprising a first Fc-containing biologically active peptide and a second Fc-containing biologically active peptide, wherein the second Fc-containing biologically active peptide comprises at least one more human VH3 domain than the first Fc-containing biologically active peptide. According to the purification method, biologically active peptides having the same or similar structures can be precisely separated with high purity, while process simplification is achieved.

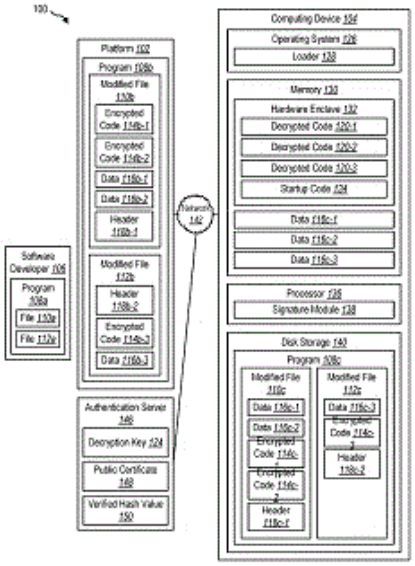


21: 2022/06836. 22: 2022/06/20. 43: 2023/09/19
51: G06F
71: MICROSOFT TECHNOLOGY LICENSING, LLC
72: GE, XINYANG, CUI, WEIDONG, NIU, BEN, CHEN, LING TONY
33: US 31: 16/734,197 32: 2020-01-03

54: PROTECTING COMMERCIAL OFF-THE-SHELF PROGRAM BINARIES FROM PIRACY USING HARDWARE ENCLAVES

00: -

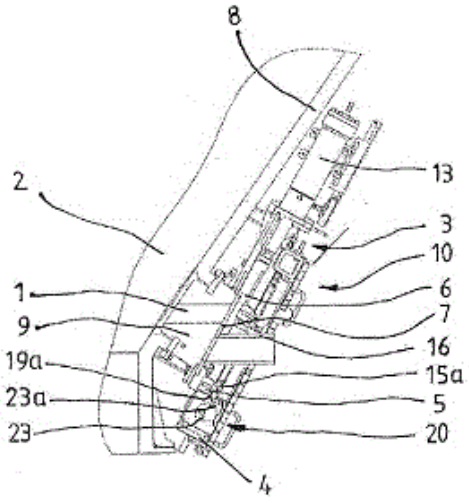
This disclosure describes systems and methods for protecting commercial off-the-shelf software program code from piracy. A software program may include multiple image files having code and data. A platform may modify the executable file such that the data may be placed at a location in memory that is an arbitrary distance from the code. The platform may encrypt the code and provide it to a computing device comprising a hardware enclave. The computing device may load the encrypted code into the hardware enclave but load the data into memory outside the hardware enclave. The computing device may request a decryption key from an authentication server using a hash of the hardware enclave signed by a processor. The authentication server may provide the decryption key if it verifies the signature and the hash. The computing device may decrypt the code and mark the hardware enclave as non-readable.



21: 2022/06837. 22: 2022/06/20. 43: 2023/09/19
51: A61K; A61P
71: SULFATEQ B.V., RIJKSUNIVERSITEIT GRONINGEN
72: HENNING, ROBERT HENK, VAN DER GRAAF, ADRIANUS CORNELIS, KRENNING, GUIDO, SWART, DANIËL HENRI, DE VEIJ MESTDAGH, CHRISTINA FRANÇOISE, VOGELAAR, PIETER CORNELIS
33: NL 31: 2024431 32: 2019-12-11
54: COMPOUNDS FOR TREATMENT OF ALZHEIMER'S DISEASE
00: -
The invention relates to certain chromanol, quinone or hydroquinone compounds and derivatives thereof for treatment of Alzheimer's disease and/or for improving memory function and/or reducing plaque load. Specifically, the present invention relates to chromanol compounds chosen from (6-hydroxy-2,5,7,8-tetramethylchroman-2yl)(piperazin-1-5 yl)methanone, ((S)-6-hydroxy-2,5,7,8-tetramethyl-N-((R)-piperidin-3-yl)chroman-2- carboxamide hydrochloride and S-(6-hydroxy-2,5,7,8-tetramethylchroman-2-yl)(4-(2-hydroxyethyl)piperazin-1-yl)methanone, and pharmaceutically acceptable salts thereof.

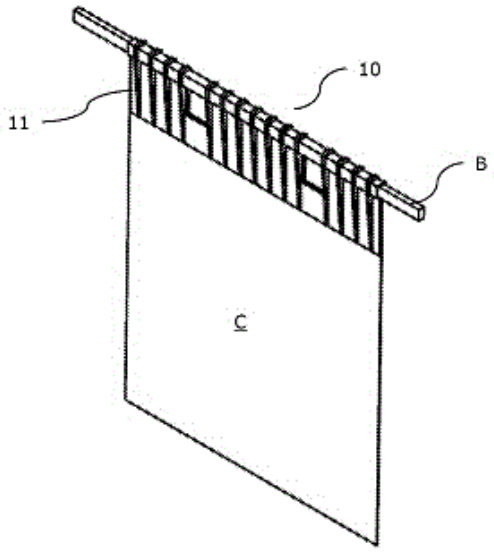
21: 2022/06897. 22: 2022/06/21. 43: 2023/09/19
51: B22D; C21C; F27D
71: REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG
72: VUKOVIC, GORAN, CHRISTEN, RENÉ, ACKERMANN, KURT
33: EP 31: 20151906.3 32: 2020-01-15
54: SLIDING CLOSURE FOR A METALLURGICAL VESSEL
00: -
The invention relates to a sliding closure (10) for a metallurgical vessel comprising a tapping hole (1) for draining metal melt or slag, said sliding closure being provided with a slider housing (3) that can be secured to the vessel (2) and a closure plate (6) that can move therein for opening and closing the tapping hole (1). The sliding closure (10) also has only this moveable closure plate (6), without a stationary closure plate, which can be moved directly on a sliding surface (7), extending around the tapping hole, preferably of a casing block (9) in the vessel (2) and can be pressed by pretensioning elements. In this way, this sliding closure (10) provides a constructionally simpler structure and user-friendly handling.

Fig. 1

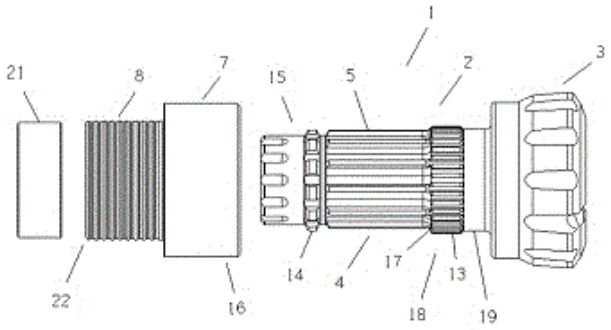


21: 2022/06899. 22: 2022/06/21. 43: 2023/09/19
51: C25B; C25C; C25D
71: YÁÑEZ CASTAÑEDA, PERCY DANILO
72: YÁÑEZ CASTAÑEDA, PERCY DANILO
33: US 31: 62/938,705 32: 2019-11-21
54: SYSTEM AND ANTI-SPLASH, ANTICORROSIVE ELECTRODE-PROTECTING DEVICE
00: -
During the electrodeposition and electrorefining of metals, the electrodes undergo severe corrosive effects. Proposed is a protective device and system comprising same, wherein the electrode-protecting device solves this problem, as its design and

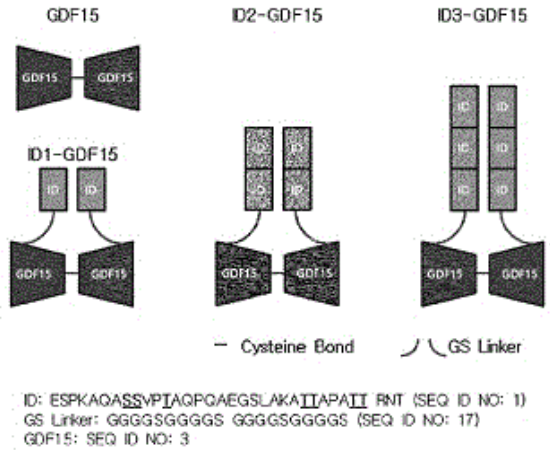
material, which are preferably fire-resistant and anticorrosive, protect the electrodes. The design surrounds the entire external form of an electrode support bar, including the straight parts of a plate of the electrodes that emerge from the area of the support bars, on both sides.



21: 2022/06950. 22: 2022/06/22. 43: 2023/09/19
51: E21B
71: MINCON INTERNATIONAL LIMITED
72: PURCELL, JOSEPH
33: IE 31: S2019/0203 32: 2019-11-28
54: A DRILL BIT ASSEMBLY FOR FLUID-OPERATED PERCUSSION DRILL TOOLS
00: -
The present invention relates to a drill bit assembly for fluid-operated percussion drill tools. The drill bit assembly comprises a percussion bit having a head portion formed with an axially extending shank, a first plurality of axially extending splines on the shank slideably engageable with a first plurality of complementary splines formed internally of a drive chuck whereby rotational drive from the chuck may be transmitted to the shank. The assembly also comprises engagement means on the chuck adapted for connecting the chuck to a drive means of the fluid-operated percussion drill tool. During drilling, the bit and the chuck are held in a first relative orientation in which the bit is retained in the chuck, and the bit is moveable axially relative to the chuck to a bit removal position, in which the bit is rotatable relative to the chuck to a second relative orientation in which the bit is removable from the chuck. The bit is moveable to the bit removal position while the chuck is fully engaged with the drive means.

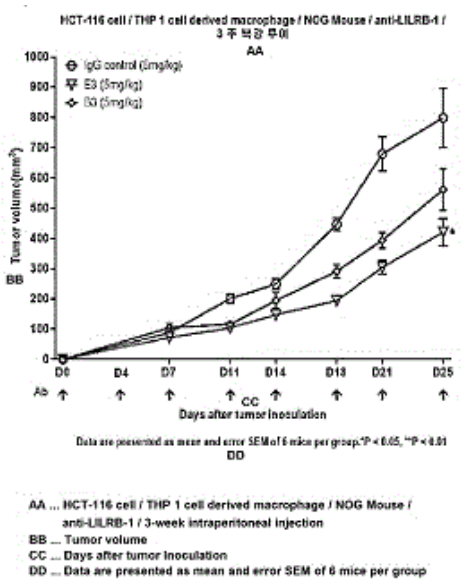


21: 2022/06992. 22: 2022/06/23. 43: 2023/09/19
51: C07K; A61K
71: LG CHEM, LTD.
72: KIM, YEONCHUL, SON, YOUNG DOK, NA, KYUBONG, HONG, JI HO, JUNG, SAEM, JIN, MYUNG WON, PARK, JI A, NOH, SOOMIN, PARK, HYUNTAEK
33: KR 31: 10-2019-0165052 32: 2019-12-11
54: FUSION POLYPEPTIDE COMPRISING GDF15 AND POLYPEPTIDE REGION CAPABLE OF O-GLYCOSYLATION
00: -
Disclosed are: a fusion polypeptide comprising growth differentiation factor 15 (GDF15) and a polypeptide region capable of O-glycosylation; a pharmaceutical composition comprising the fusion polypeptide; and a method for increasing the in vivo duration of GDF15, comprising the step of fusing a polypeptide region capable of O-glycosylation.

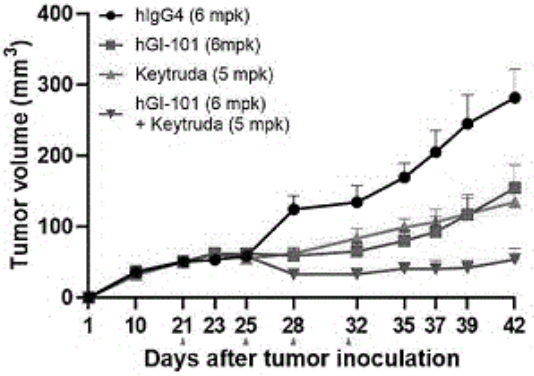


21: 2022/06993. 22: 2022/06/23. 43: 2023/09/19

51: C07K; A61P; A61K
71: LG CHEM, LTD.
72: CHOI, YOON AA, KIM, JUNG A, JUNG, SAEM, LEE, JI HYUN, NA, KYUBONG, KIM, YEONCHUL, KIM, HAN BYUL
33: KR 31: 10-2020-0061907 32: 2020-05-22
33: KR 31: 10-2019-0173414 32: 2019-12-23
54: ANTI-LILRB1 ANTIBODY AND USES THEREOF
00: -
The present invention relates to an anti-LILRB1 antibody having increased specificity for LILRB1, and to uses thereof. Specifically, provided are an anti-LILRB1 antibody or antigen-binding fragment thereof, and uses thereof in treating cancer.



21: 2022/06994. 22: 2022/06/23. 43: 2023/09/19
51: A61K; A61P
71: GI INNOVATION, INC.
72: JANG, MYOUNG HO, NAM, SU YOUN, KOH, YOUNG JUN, CHO, YOUNG-GYU
33: KR 31: 10-2019-0154632 32: 2019-11-27
54: PHARMACEUTICAL COMPOSITION FOR TREATMENT OF CANCER, COMPRISING IMMUNE CHECKPOINT INHIBITOR AND FUSION PROTEIN INCLUDING IL-2 PROTEIN AND CD80 PROTEIN
00: -
The present invention provides a pharmaceutical composition for treatment of cancer, comprising, as active ingredients, a fusion protein dimer including IL-2 protein or a variant thereof and CD80 protein or a fragment thereof and an immune checkpoint inhibitor. A fusion protein comprising CD80 fragment, immunoglobulin Fc, and an IL-2 variant according to an embodiment of the present invention can activate immune cells such as natural killer cells while controlling the immune cell regulation activity of regulatory T cells. In addition, the administration of an immune checkpoint inhibitor known as an PD-1 inhibitor, such as keytruda, in combination with the fusion protein can effectively inhibit cancer. Therefore, a pharmaceutical composition comprising, as active ingredients, a fusion protein including IL-2 protein or a variant thereof and CD80 protein or a fragment thereof and an immune checkpoint inhibitor can be effectively utilized for the treatment of cancer and thus is of high industrial applicability.

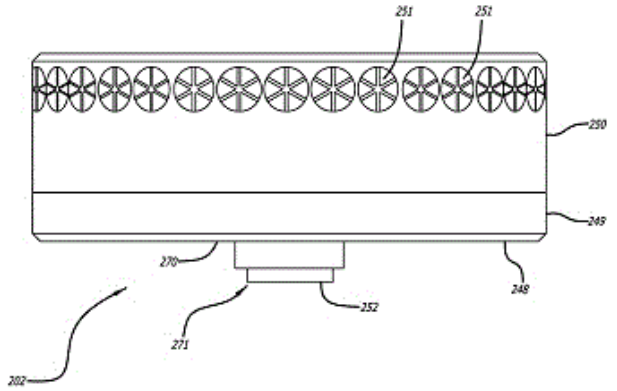


21: 2022/07042. 22: 2022/06/24. 43: 2023/09/19
51: C22B
71: UMICORE
72: SCHEUNIS, LENNART, VERMEULEN, ISABEL
54: PYROMETALLURGICAL PROCESS FOR RECOVERING NICKEL, MANGANESE, AND COBALT
00: -
The present disclosure concerns a 2-step high temperature process for the recovering Ni, Co, and Mn from various sources. It comprising the steps: preparing a metallurgical charge comprising said materials, and Si, Al, Ca and Mg as slag formers; smelting the charge with slag formers in first reducing conditions, thereby obtaining a Ni-Co alloy comprising a major part of at least one of Co and Ni, with Si < 0.1 %, and a first slag comprising the major part of the Mn; separation of the slag from the alloy; and, smelting the slag in second reducing conditions, more reducing than said first reducing conditions, thereby obtaining a Si-Mn alloy

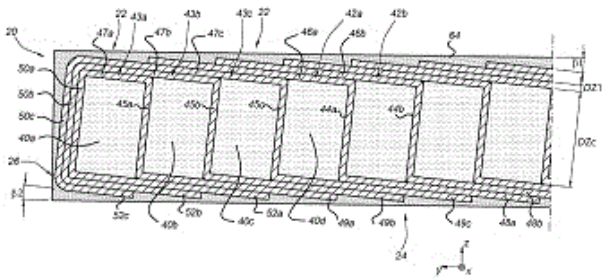
comprising the major part of the Mn, with Si > 10%, and a second slag. A Ni-Co alloy is produced, suitable for e.g. the preparation of cathode material for Li-ion batteries, and a Si-Mn alloy is produced, which can be used in steelmaking. The second slag is essentially free of heavy metals and therefore suitable for reuse.

21: 2022/07043. 22: 2022/06/24. 43: 2023/09/19
51: A61K; A61Q; C11D
71: UNILEVER GLOBAL IP LIMITED
72: HIBAN, DOUGLAS JOHN, VASUDEVAN, TIRUCHERAI VARAHAN, YE, MINGCHANG
33: US 31: 62/963,937 32: 2020-01-21
54: ISOTROPIC CONCENTRATE AND WASH COMPOSITIONS
00: -
The present invention relates to an isotropic concentrate composition that is easy to hydrate and transform into an end use wash composition. The end use wash composition resulting from the concentrate composition is suitable for topical application and for hand washing. The concentrate comprises fragrance oil and emulsifier at levels that unexpectedly result in a concentrate composition and end use composition that are free of ingredient precipitation that interferes with the appearance and usage of the compositions.

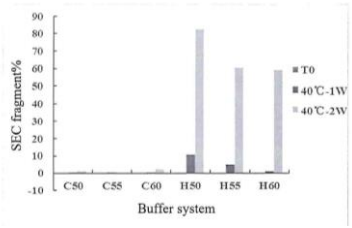
21: 2022/07044. 22: 2022/06/24. 43: 2023/09/19
51: A24F; B05B
71: SHAHEEN INNOVATIONS HOLDING LIMITED
72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, BHATTI, SAJID, MACHOVEC, JEFF, LAMOUREUX, CLEMENT
33: US 31: 16/889,667 32: 2020-06-01
33: US 31: 17/220,189 32: 2021-04-01
33: EP 31: 20168245.7 32: 2020-04-06
33: US 31: 17/122,025 32: 2020-12-15
33: EP 31: 20168231.7 32: 2020-04-06
33: US 31: 17/065,992 32: 2020-10-08
33: EP 31: 20168938.7 32: 2020-04-09
54: HOOKAH DEVICE
00: -
A hookah device 202 attaches to the stem 247 of a hookah (246) in place of a conventional hookah head. The hookah device comprises a cylindrical housing 248 which incorporates a cover 250 provided with a plurality of air inlets 251 and a base 249 provided with an outlet port 252 to allow air and mist to flow out into the hookah (246). A plurality of ultrasonic mist generator devices (201) are provided for generating mist to be inhaled by a user. The hookah device (202) comprises three PCBs (256-258) which make up a driver device controlling the mist generator devices (201) to maximize the efficiency of mist generation and optimize mist output from the hookah device 202.



21: 2022/07048. 22: 2022/06/24. 43: 2023/09/19
51: B29D; B29C; B32B; E01D; E04C
71: FIBERCORE IP B.V.
72: PEETERS, JOHANNES HENDRICUS ALPHONSUS
54: PRODUCT WITH AN ARRAY OF CORE ELEMENTS OR VOIDS AND INTERPOSED SHEETS AND METHODS FOR FORMING SUCH A PRODUCT
00: -
A panel (20) having opposite surfaces (22, 24), and including sheets (42, 43) and elongated cores or voids (40). The cores/voids extend parallel along a first direction (X), are arranged mutually adjacent in a second direction (Y), and include an outermost core/void (40a) along a panel edge (26). Each sheet includes a medial portion (44, 45) between two adjacent cores/voids, a first lateral portion (46, 47) folded away from the medial portion over one adjacent core/void, and towards the second direction along the first surface, and a second lateral portion (48, 49) folded away from the medial portion over another adjacent core/void, and towards a negative second direction (-Y) along the second surface. The sheets include an enveloping sheet (43), the first lateral portion (47) thereof extending into a folded lateral region (50, 52) that at the panel edge is folded around the outermost core/void, and extends in the negative second direction back towards the second surface.

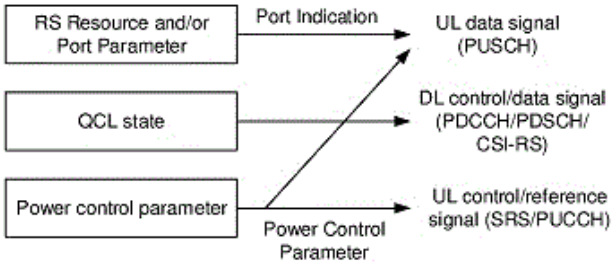


21: 2022/07051. 22: 2022/06/24. 43: 2023/01/31
51: A61K
71: SHANGHAI HENLIUS BIOTECH, INC.
72: FANG, Yuan, HAN, Dongmei
33: CN 31: 202010008058.6 32: 2020-01-06
54: PROGRAMMED CELL DEATH RECEPTOR 1 ANTIBODY FORMULATION AND USE THEREOF
00: -
The present invention provides a pharmaceutical formulation containing an anti-PD-1 monoclonal antibody. The pharmaceutical formulation comprises: an anti-PD-1 monoclonal antibody, a citrate-sodium citrate buffer solution, a protein protectant, a surfactant, and an isotonic regulator. The present invention also relates to an application of the pharmaceutical formulation in the preparation of a liquid formulation or lyophilized formulation for injection.



21: 2022/07121. 22: 2022/06/27. 43: 2023/09/19
51: C08G
71: SPAGO NANOMEDICAL AB
72: GRAM, ANDREAS, AXELSSON, OSKAR, LARSSON, RIKARD
33: EP 31: 19216697.3 32: 2019-12-16
54: IMMOBILIZATION OF PHENOLIC COMPOUNDS
00: -
The present disclosure relates to a method of immobilizing a phenolic compound having a $M_w \geq$ 500 g/mol, wherein the method comprises the steps of ionizing the phenolic compound by subjecting it to a base; and contacting, under agitation, the ionized phenolic compound with a cross-linked resin comprising the functionality of -C(=0)- $CHXCH_2R$, wherein X is chosen from the group consisting of Br, Cl, I, CN, OMs, OTs, or OTf, and R is H, CH_3 or an branched or unbranched alkyl having 1 to 8 carbon atoms, in the presence of a base and a solvent. The present disclosure also relates to a method of removing phenolic compounds having a $M_w \geq$ 500 g/mol from a composition comprising compounds having at least one alkoxy silane group. The present disclosure also relates to the use of a method according to the present disclosure as well as to a product, from which at least one phenolic compound having a $M_w \geq$ 500 g/mol has been removed by a method according to the present disclosure.

21: 2022/07126. 22: 2022/06/27. 43: 2023/09/19
51: H04L; H04W
71: ZTE CORPORATION
72: GAO, BO, LU, ZHAOHUA, YAO, KE, ZHANG, SHUJUAN, HE, ZHEN
54: A METHOD FOR UNIFIED UPLINK AND DOWNLINK BEAM INDICATION
00: -
This document generally relates to unified beam indication and/or unified transmission frameworks for wireless communication. In some implementations, a first communication node, such as a mobile station, associates a least one of a power control parameter, a port parameter, or a first reference signal (RS) resource with a communication parameter set, where the communication parameter set comprises at least a second RS resource and at least a quasi co-location (QCL) type parameter. Also, the first communication node may transmit an uplink signal according to the communication parameter set and the association.



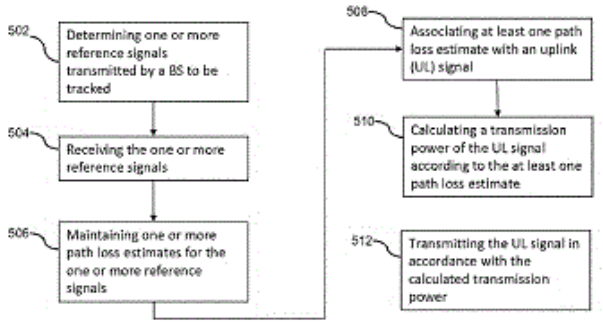
21: 2022/07128. 22: 2022/06/27. 43: 2023/09/19
51: H04W; H04B
71: ZTE CORPORATION

72: GAO, BO, LU, ZHAOHUA, YAO, KE, ZHANG, SHUJUAN

54: METHODS AND SYSTEMS FOR TRACKING REFERENCE SIGNAL PATH LOSSES IN UPLINK TRANSMISSIONS

00: -

Methods and systems for controlling a transmit power of a wireless communication device are disclosed herein. In one embodiment, a method includes: determining one or more reference signals transmitted by a wireless communication node; maintaining one or more path loss estimates for the one or more reference signals; associating at least one path loss estimate with an uplink (UL) signal; calculating a transmission power of the UL signal according to the at least one path loss estimate; and transmitting the UL signal in accordance with the calculated transmission power.

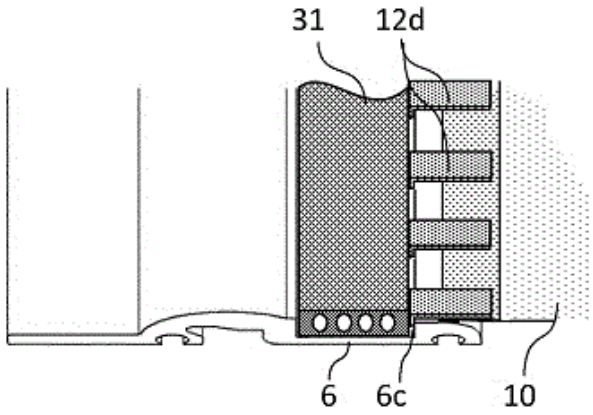


21: 2022/07129. 22: 2022/06/27. 43: 2023/09/19
51: E04H; A01G; A63C; B60J; E06B
71: BECOFLEX
72: COENRAETS, BENOÎT
33: BE 31: 20195844 32: 2019-11-28

54: DEVICE FOR COVERING A SURFACE COMPRISING DISCREET LOCKING MEANS

00: -

The present invention relates to a device for covering a surface, comprising: (a) a covering, each longitudinal edge of which is provided with a projecting element (12, 12d); (b) a rotatably mounted drum suitable for rolling up or unrolling the covering, and movable in translation on rails placed on either side of the surface; (c) a system for continuously locking/unlocking the projecting element in the rails during the translation of the drum, wherein the projecting element comprises a multitude of discreet elements (12d) distributed along each longitudinal edge separated from one another by an average distance (d).



21: 2022/07168. 22: 2022/06/28. 43: 2023/09/19
51: A61K; C07H
71: AIM IMMUNOTECH INC.
72: EQUELS, THOMAS K, ATODARIA, VISHWAJEETSINH M, SCOTT, VICTORIA G, STRAYER, DAVID R, RODINO, PETER W
33: US 31: 62/971,199 32: 2020-02-06
33: US 31: 63/016,960 32: 2020-04-28
33: US 31: 63/125,950 32: 2020-12-15
33: US 31: 62/965,713 32: 2020-01-24
33: US 31: 62/982,641 32: 2020-02-27
33: US 31: 63/092,432 32: 2020-10-15

54: THERAPEUTIC DOUBLE STRANDED RNA AND METHODS FOR PRODUCING THE SAME

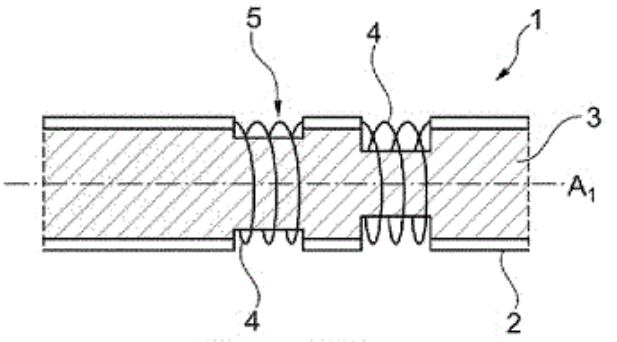
00: -

Disclosed is a method for the synthesis of a therapeutic double-stranded RNA (tdsRNA), comprising: a) synthesizing a first single-stranded RNA (first ssRNA) in a first synthesis reaction with PNPase as the only RNA polymerase; b) synthesizing a second single- stranded RNA (second ssRNA) in a second synthesis reaction with PNPase as the only RNA polymerase; and c) hybridizing the first ssRNA with the second ssRNA to form the tdsRNA; wherein step a) and step b) are performed in any order. Also disclosed is a product produced by the method.

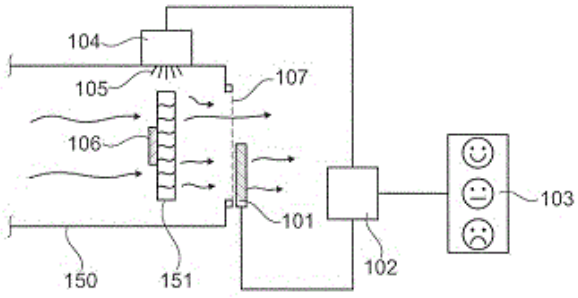
21: 2022/07169. 22: 2022/06/28. 43: 2023/09/19
51: C12N; A61K
71: AIM IMMUNOTECH INC.
72: EQUELS, THOMAS K, STRAYER, DAVID R, YOUNG, DIANE L

33: US 31: 62/967,493 32: 2020-01-29
33: US 31: 62/971,199 32: 2020-02-06
33: US 31: 62/982,641 32: 2020-02-27
33: US 31: 63/003,197 32: 2020-03-31
33: US 31: 63/026,712 32: 2020-05-18
33: US 31: 63/029,395 32: 2020-05-22
33: US 31: 63/125,950 32: 2020-12-15
33: US 31: 62/994,777 32: 2020-03-25
33: US 31: 62/965,713 32: 2020-01-24
33: US 31: 63/016,960 32: 2020-04-28
33: US 31: 62/969,572 32: 2020-02-03
33: US 31: 63/092,432 32: 2020-10-15
33: US 31: 62/976,994 32: 2020-02-14
33: US 31: 62/993,514 32: 2020-03-23
54: METHODS, COMPOSITIONS, AND VACCINES FOR TREATING A VIRUS INFECTION
00: -
This disclosure relates to a method of treating, preventing, or reducing a symptom of a virus infection, including a SARS-CoV-2 infection, by administering an effective amount of tdsRNA optionally with an anti-viral agent, to a subject.

21: 2022/07171. 22: 2022/06/28. 43: 2023/09/19
51: A61M
71: BASECAMP VASCULAR
72: CAZENEUVE, JEAN-BAPTISTE, MAIANO, CAMILLE
33: EP 31: 19306590.1 32: 2019-12-06
54: ANCHORING ELEMENTS FOR A STEERABLE DEVICE
00: -
A steerable device (1) comprising a flexible axially elongated member (2), at least one actuating means (3, 30) arranged alongside the periphery of said elongated member, at least one fastening means (4) configured to fasten at least partially the at least one actuating means to the flexible elongated member distal end, said fastening means being in direct contact with the flexible elongated member, at least one anti-return means (5, 51-57) configured to keep the at least one actuating means from sliding alongside the periphery of the flexible elongated member distal end, characterized in that the at least one anti-return means and the at least one fastening means are in axial abutting contact.

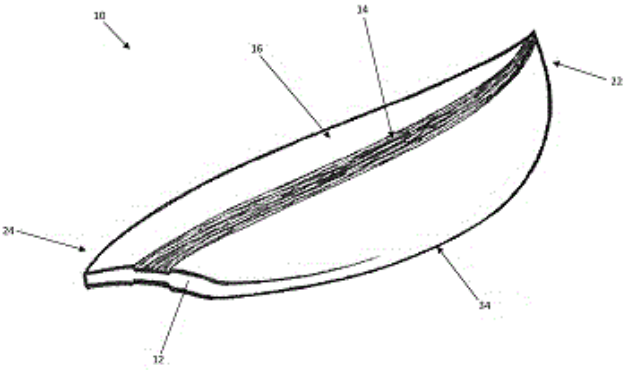


21: 2022/07172. 22: 2022/06/28. 43: 2023/09/19
51: G01N
71: TUNAP GMBH & CO. KG
72: URBAN, ALFONS, RIHA, SABINE
33: EP 31: 19217588.3 32: 2019-12-18
54: SYSTEM FOR MEASURING CONTAMINATION OF AN AIR CONDITION
00: -
The present invention describes a system for analyzing an air condition (150). The system comprises a detection unit (101) configured for detecting of detection signals indicative of a bacteria-related contamination of an evaporator (151) and/or an air filter of the air condition (150), an analyzing unit (102) configured for analyzing of a level of contamination of the evaporator (151) and/or the air filter based on the detection signals, and an output unit (103) configured for outputting the analyzed level of contamination of the evaporator (151) and/or the air filter to a user.



21: 2022/07215. 22: 2022/06/29. 43: 2023/09/06
51: B63B
71: CAMPBELL, STUART DOUGLAS
72: CAMPBELL, STUART DOUGLAS
33: AU 31: 2019101609 32: 2019-12-16
33: AU 31: 2019283772 32: 2019-12-16
33: AU 31: 2020202137 32: 2020-03-25
54: A SURFBOARD AND SPRING ASSEMBLY

00: -
A surfboard having a core, a first elongate spring member located adjacent an upper side of the core, and a second elongate spring member located adjacent a lower side of the core, wherein the first elongate spring member extends substantially from a nose portion of the surfboard to a tail portion of the surfboard.



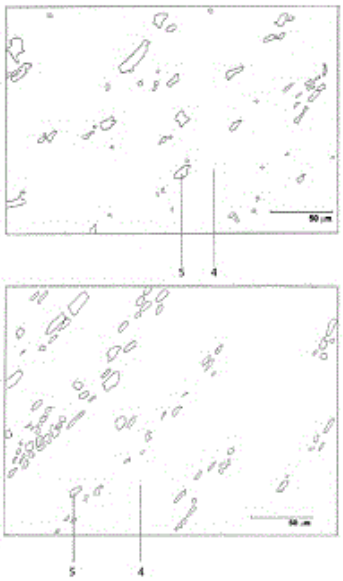
21: 2022/07218. 22: 2022/06/29. 43: 2023/09/19
51: A61K; C07K
71: SYNTHEKINE, INC.
72: PENAFLOR ASPURIA, PAUL-JOSEPH, MCCAULEY, SCOTT ALLAN, OFT, MARTIN, KAUDER, STEVE
33: US 31: 62/948,066 32: 2019-12-13
54: IL-2 ORTHOLOGS AND METHODS OF USE
00: -
The present disclosure relates to hIL2 orthogonal ligands (IL2 orthologs) that specifically and selectively bind to the extracellular domain (ECD) a transmembrane polypeptide comprising of a modified hCD122 polypeptide. The binding of the hIL2 ortholog to the modified hCD122 polypeptide participates in the transduction pathway of intracellular signaling resulting in a biological activity of the native intracellular signaling patterns associated with hIL2 binding to either the intermediate or high affinity hIL2 receptor but which exhibits selectivity to an engineered cell expressing an hCD122 orthogonal receptor. The hIL2 orthologs of the present invention exhibit significantly reduced binding relative to their binding to the extracellular domain of wild type hCD122, either alone or when hCD122 is present in the form of an endogenous high or intermediate affinity hIL2 receptors.

Dilution	cRPMI		Vector		wt IL2		Ortho SQVLKA		-QVLKA		S-VLKA	
1:2	4582	5502	7372	8334	59886	59196	30464	15150	49218	71842	33592	5742
1:4	4714	4316	3044	3668	12746	13468	11098	11066	31776	34946	6288	8070
1:8	4516	4176	5760	6734	28444	9692	9602	9554	56882	73468	6924	7742
1:16	4504	4334	4926	8212	6472	7176	7026	7336	142450	75880	7868	5462
1:32	6272	4132	7118	8280	5882	5882	5978	5832	122808	124322	7896	5210
1:64	4348	4804	5720	6360	4708	5088	5208	5142	105022	137826	6660	6216
1:128	4108	3988	5602	5622	5056	4622	4914	4778	59304	117444	7696	5312
1:256	3866	3620	4102	4934	3836	4026	4342	4150	55526	57762	4496	5202

Dilution	SQ-LKA		SQV-KA		SQVL-A		SQVLK-		SQ----		SQVL--	
1:2	10764	13306	47696	46348	51424	49952	13970	17548	16084	17372	9548	10946
1:4	9400	8222	46432	45610	59212	49680	10534	10292	11614	15426	9022	7298
1:8	7054	6610	43264	67642	58170	78172	7700	7174	7758	7268	5318	5902
1:16	6204	6436	55630	57530	49876	50880	6478	5880	6946	6406	5562	5494
1:32	6256	6150	55312	55917	63280	78256	6922	5196	6210	5776	5166	5406
1:64	5184	5834	52090	49596	46682	67102	5216	4948	5940	5280	4732	5692
1:128	5004	5564	48420	45432	45584	48968	6814	4372	5528	5610	4474	5536
1:256	4582	4888	34646	35200	36750	38190	5084	4090	4856	4194	4022	3864

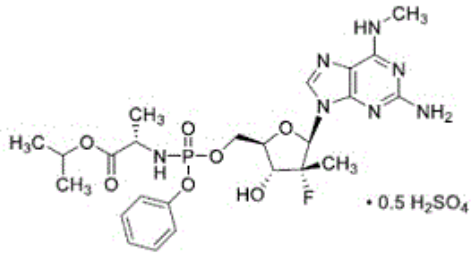
Dilution	E15S		H16Q		L19V		D20L		Q22K		M23A	
1:2	55892	47518	47534	46676	47674	81520	55876	44486	42676	57192	34236	71222
1:4	58318	69066	63932	76272	53646	62120	32440	39404	54496	55070	49604	64798
1:8	52790	53136	65906	53744	54926	53008	25246	26438	53660	64794	39422	56882
1:16	52778	51862	61677	52938	69172	53090	20922	19774	55088	68238	62768	57410
1:32	53860	52056	53886	53486	55092	54306	15896	16948	59236	54700	49610	62506
1:64	74250	52570	53740	52760	53490	53484	13888	13578	55508	55886	48394	55166
1:128	49874	51810	59680	55668	52660	51162	10976	10758	49452	50652	50894	53280
1:256	49050	46764	49806	49412	45868	44674	7402	8066	50556	47254	50946	55830

21: 2022/07221. 22: 2022/06/29. 43: 2023/09/19
51: C21D; B02C; C22C
71: MAGOTTEAUX INTERNATIONAL S.A.
72: BABINEAU, MARC, BONNEVIE, MICHEL
33: BE 31: BE2020/5031 32: 2020-01-16
54: FORGED GRINDING BALLS FOR SEMI-AUTOGENOUS GRINDER
00: -
The present invention relates to a grinding ball (19) comprising: - a carbon content of between 1.1 and 1.4 wt %, - a chromium content of between 10 and 14 wt %, - a manganese content of between 0.8 and 1.5 wt %, - a silicon content of between 0.6 and 1 wt %, - a molybdenum content of less than 1 wt %, - a nickel content of less than 1 wt %, - any impurities with a total content of less than 0.5 wt %, - the balance to obtain 100% being iron, characterised in that the grinding ball (19) comprises a discrete distribution of chromium carbides (5) as opposed to a network distribution.

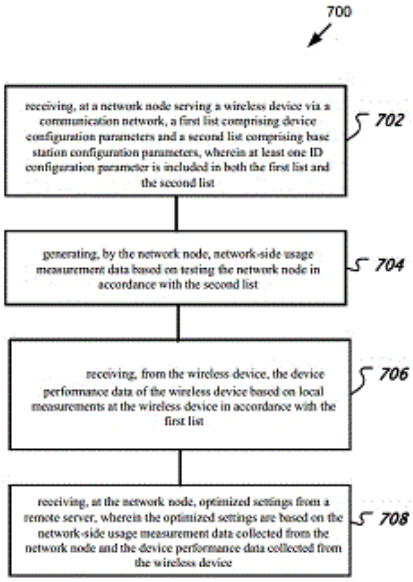


21: 2022/07261. 22: 2022/06/30. 43: 2023/09/19
51: A01N; A01P
71: ADAMA MAKHTESHIM LTD.
72: LEVY, SHLOMO, BERKOVITCH, MICHAEL, FIRER, VIACHESLAV
33: US 31: 62/431,342 32: 2016-12-07
54: A STABLE, SELF-DISPERSIBLE, LOW FOAMING SOLID PESTICIDE FORMULATION
00: -
The present subject matter relates to a stable pesticidal formulation which exhibits improved dispersibility in cold water and full compatibility with fertilizers.

21: 2022/07262. 22: 2022/06/30. 43: 2023/09/19
51: C07F
71: ATEA PHARMACEUTICALS, INC.
72: MOUSSA, ADEL, SOMMADOSSI, JEAN-PIERRE
33: US 31: 62/453,437 32: 2017-02-01
54: NUCLEOTIDE HEMI-SULFATE SALT FOR THE TREATMENT OF HEPATITIS C VIRUS
00: -
This invention is directed to a pharmaceutical composition comprising an effective amount of a compound of the formula below. The pharmaceutical composition further comprises an effective amount of an additional anti-viral compound selected from a protease inhibitor, a NS5B polymerase inhibitor, and a NS5A inhibitor in a pharmaceutically acceptable carrier.

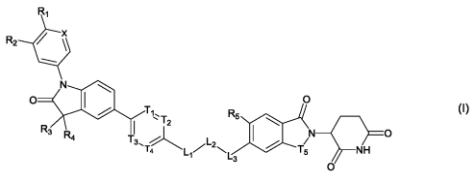


21: 2022/07273. 22: 2022/06/30. 43: 2023/09/19
51: H04W
71: ZTE CORPORATION
72: LI, DAPENG, GAO, YIN, LIU, ZHUANG
54: SYSTEMS AND METHODS FOR ADAPTIVE COLLECTION OF QUALITY OF EXPERIENCE (QOE) MEASUREMENTS
00: -
Methods, systems, and devices related to digital wireless communication, and more specifically, to techniques related to receiving, at a network node serving a wireless device via a communication network, a first list comprising device configuration parameters and a second list comprising base station configuration parameters, wherein at least one ID configuration parameter is included in both the first list and the second list; generating, by the network node, network-side usage measurement data based on testing the network node in accordance with the second list; receiving, from the wireless device, the device performance data of the wireless device based on local measurements at the wireless device in accordance with the first list; and receiving, at the network node, optimized settings from a remote server, wherein the optimized settings are based on the network-side usage measurement data collected from the network node and the device performance data collected from the wireless device.

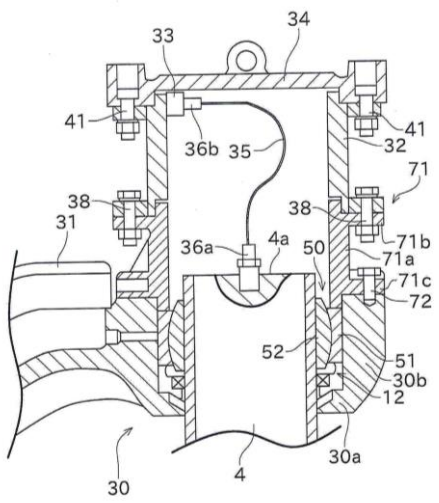


21: 2022/07850. 22: 2022/07/14. 43: 2023/09/11
51: C07D
71: LUPIN LIMITED
72: KAMBOJ, RAJENDER KUMAR, PADIYA, KAMLESH JYOTINDRA, PRABAKARAN, KAMALAKANNAN, NAIK, KUMAR RAM, RAJESH, BHAVANI SHANKAR, RAJENDRA, GANPATI POWAR, SACHIN, SUBHASH INGAWALE, AMIT, DATTATRAY KARCHE, SANTOSHKUMAR, SHANKAR DANGE, SITARAM RAMBHAU, BARVE
33: IN 31: 202021002110 32: 2020-01-17
54: METHODS, PROCESSES AND INTERMEDIATES FOR PREPARING CHROMAN COMPOUNDS
00: -
This disclosure describes an economical and scalable method and process to synthesize the Calcium sensing receptor (CaSR) modulating agent 2-methyl-5-((2R,4S)-2-((((R)-1-(naphthalen-1-yl)ethyl)amino)methyl)chroman-4-yl)benzoic acid, its intermediates and pharmaceutically acceptable salts therefor. Uses of said intermediates for synthesis of compounds which may be intermediates to the synthesis of 2-methyl-5-((2R,4S)-2-((((R)-1-(naphthalen-1-yl)ethyl)amino)methyl)chroman-4-yl)benzoic acid are also described herein.

21: 2022/08051. 22: 2022/07/19. 43: 2023/11/06
51: A61K; C07D; A61P
71: SHANGHAI JEMINCARE PHARMACEUTICALS CO., LTD, JIANGXI JEMINCARE GROUP CO., LTD
72: LU, Hongfu, XING, Weiqiang, QI, Baojian, PENG, Jianbiao, GUO, Haibing
33: CN 31: 201911342649.0 32: 2019-12-23
33: CN 31: 202010200682.6 32: 2020-03-20
33: CN 31: 202010496353.0 32: 2020-06-03
33: CN 31: 202011486334.6 32: 2020-12-16
54: PROTEIN DEGRADATION AGENT COMPOUND PREPARATION METHOD AND APPLICATION
00: -
Provided are a protein degradation agent compound preparation method and application; specifically, provided are the compound represented by formula (I) and a pharmacologically acceptable salt thereof, and an application of said compound in the degradation of androgen receptor (AR).


(I)

21: 2022/08338. 22: 2022/07/26. 43: 2023/11/13
51: B02C; F16C
71: KABUSHIKI KAISHA EARTHTECHNICA
72: KOGA, Akimasa
33: JP 31: 2019-238826 32: 2019-12-27
54: ROTARY CRUSHING MACHINE, AND BEARING ABNORMALITY DETECTING METHOD FOR ROTARY CRUSHING MACHINE
00: -
This rotary crushing machine is provided with a main shaft, and a revolving member. The main shaft is supported in such a way as to be capable of spinning about an axis. The revolving member rotates, causing the axis of the main shaft to revolve. The rotary crushing machine crushes an object to be crushed by means of the movement of the main shaft resulting from the rotation of the revolving member. The rotary crushing machine is provided with a sensor for detecting the rotational speed of the spinning of the main shaft. The possibility of a bearing abnormality is detected on the basis of the rotational speed of spinning of the main shaft when the revolving member is caused to rotate at a prescribed rotational speed in a no-load condition.

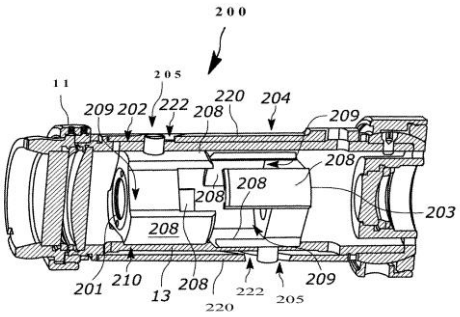


21: 2022/08339. 22: 2022/07/26. 43: 2023/11/13
51: A61K; C07K; C12N; A61P
71: SHANGHAI HENLIUS BIOTECH, INC., SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD.
72: SONG, Ge, XIAO, Hui, HE, Honglin, XU, Xu, JIANG, Wei-Dong
33: CN 31: 202010069008.9 32: 2020-01-21
54: ANTI-LAG3 MONOCLONAL ANTIBODY, AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
Provided in the present invention are an anti-LAG3 monoclonal antibody and the use thereof. Further provided are a nucleotide molecule for encoding the antibody, an expression vector and a host cell for expressing the antibody, a composition containing the antibody, and the use of the antibody in the preparation of drugs for resisting tumors, treating autoimmune diseases, and treating infectious diseases and/or resisting transplantation rejection reactions.

21: 2022/08636. 22: 2022/08/02. 43: 2023/11/13
51: A23D; A61K
71: MA, Joyce, H.
72: MA, Joyce, H.
33: US 31: 62/982,918 32: 2020-02-28
54: FORMULATIONS AND USES THEREOF
00: -
Preparations and formulations capable of crossing and incorporating into a membrane of a cell or an organelle or an exosome are described. Methods of treatments utilizing the preparations and formulations are also described.

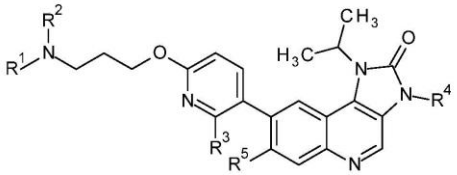
21: 2022/08795. 22: 2022/08/05. 43: 2023/11/08
51: A61K
71: COMBINED THERAPEUTICS, INC.
72: MICOL, Romain, DUVAL, Valerie
33: US 31: 62/979,619 32: 2020-02-21
33: US 31: 63/059,458 32: 2020-07-31
54: COMPOSITIONS AND METHODS FOR ORGAN-PROTECTIVE EXPRESSION AND MODULATION OF CODING RIBONUCLEIC ACIDS
00: -
Compositions are provided comprising messenger RNA constructs having at least one open reading frame (ORF), wherein the ORF is operatively linked to at least one untranslated region (UTR), wherein the UTR comprises at least one organ protection sequence (OPS), wherein the OPS sequence comprises at least a first, a second and a third micro-RNA (miRNA) target sequence, and wherein each of the at least a first, second and third the miRNA target sequences are optimised to hybridise with a corresponding miRNA sequence. The compositions and molecules provided are useful in therapies such as for the treatment of cancer, in immunotherapies, and in vaccines.

21: 2022/08936. 22: 2022/08/10. 43: 2023/09/04
51: F41G G02B
71: SHELTERED WINGS, INC.
72: MCDERMOT, Connor
33: US 31: 62/961,464 32: 2020-01-15
54: ZOOM CELL
00: -
A zoom cell has a main zoom cell body having a central axis, at least two fingers extending from the main zoom cell body parallel to the central axis, and at least two grooves separating the at least two fingers. A zoom cell system has at least two zoom cells disposed in an erector tube, with the fingers of the at least two zoom cells pointed towards one another, with the at least two zoom cells positioned such that the fingers of a first of the at least two zoom cells align so as to correspond with at least one of the at least two grooves of the other of the at least two zoom cells.



21: 2022/09171. 22: 2022/08/16. 43: 2023/08/30
51: A61K; A61P; C07D
71: AstraZeneca AB
72: PIKE, Kurt Gordon, BARLAAM, Bernard Christophe, HUNT, Thomas Anthony, EATHERTON, Andrew John
33: GB 31: 1516504.6 32: 2015-09-17
54: 8-[6-[3-(AMINO)PROPOXY]-3-PYRIDYL]-1 - ISOPROPYL-IMIDAZO[4,5-C]QUINOLIN-2-ONE DERIVATIVES AS SELECTIVE MODULATORS OF ATAXIA TELANGIECTASIA MUTATED (ATM) KINASE FOR THE TREATMENT OF CANCER
00: -

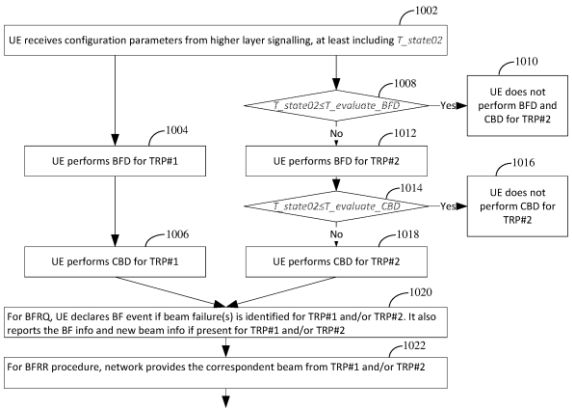
The specification generally relates to compounds of Formula (I): and pharmaceutically acceptable salts thereof, where R^1, R^2, R^3, R^4 and R^5 have any of the meanings defined herein. The specification also discloses the use of compounds of Formula (I) and salts thereof to treat or prevent ATM mediated disease, including cancer. The specification further relates to pharmaceutical compositions comprising substituted imidazo [4,5-c]quinolin-2-one compounds and pharmaceutically acceptable salts thereof; kits comprising such compounds and salts; methods of manufacture of such compounds and salts; and intermediates useful in such manufacture.



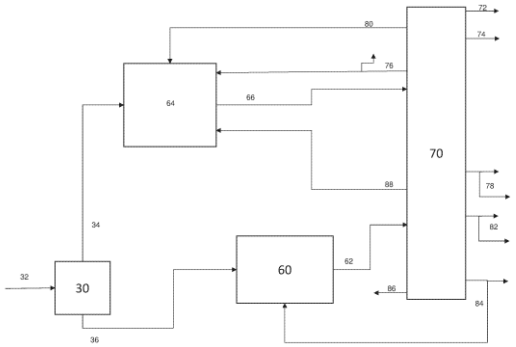
(I)

21: 2022/09235. 22: 2022/08/17. 43: 2023/09/08
51: H04B H04W
71: PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA
72: TRAN, Xuan Tuong, SUZUKI, Hidetoshi, HUANG, Lei, KOH, Tien-Ming, Benjamin, KANG, Yang, NISHIO, Akihiko, OGAWA, Yoshihiko
33: SG 31: 10202001583T 32: 2020-02-22
54: BEAM FAILURE RECOVERY FOR SINGLE DCI-BASED M-TRP URLLC TRANSMISSIONS
00: -

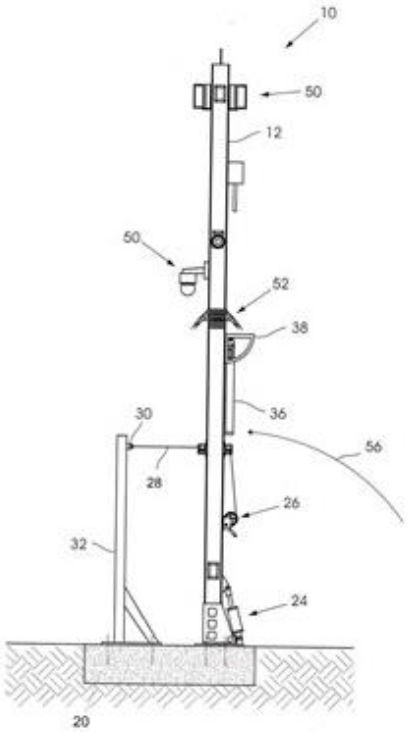
Apparatuses and systems for providing multiple structures to enable flexibility of a multiple multiple transmission and reception point ultra-reliable low-latency communication (M-TRP URLLC) operation and reduce measurement effort and power consumption from a transceiving apparatus such as a UE are provided. The techniques disclosed here feature a transceiving apparatus including a transceiver and circuitry. The transceiver, in operation, receives signals from multiple transmission and reception points (M-TRPs) in a network on at least physical downlink shared channels (PDSCHs). The circuitry, in operation, performs beam failure recovery (BFR) by evaluating beam failure detection (BFD) and candidate new beam detection (CBD) for the signals from at least a first one of the M-TRPs. The signals from the first one of the M-TRPs comprise signals received on a physical downlink control channel (PDCCH), and the circuitry determines to skip evaluation of one or both of the BFD and the CBD for one or more additional ones of the M-TRPs in response to one or more conditions.



21: 2022/09356. 22: 2022/08/19. 43: 2023/09/27
51: C10G
71: LUMMUS TECHNOLOGY LLC
72: MARRI, Rama Rao, BRECKENRIDGE, Justin, CHEN, Liang, SOM, Manoj
33: US 31: 62/989,507 32: 2020-03-13
54: PRODUCTION OF LIGHT OLEFINS FROM CRUDE OIL VIA FLUID CATALYTIC CRACKING PROCESS AND APPARATUS
00: -
A reactor system configured for efficiently removing contaminants (CCR, nickel, vanadium, nitrogen, sodium, iron, calcium, chlorine etc.) from a heavy portion of the crude oil. The products are routed to a common main fractionation section. The heavy feed with lower contaminants may then be processed in a fluid catalytic cracking (FCC) unit, the overall concept employing a fluid catalytic reaction platform with carbon rejection approach. Also disclosed is a reactor system for efficiently processing crude oil in a fluid catalytic cracking unit with a dual¬ reactor and dual catalyst system to maximize petrochemical building blocks such as ethylene, propylene, butylenes, BTX (benzene, toluene and xylene) rich naphtha from a variety of crude oils.



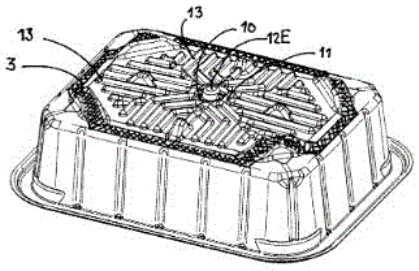
21: 2022/09582. 22: 2022/08/26. 43: 2023/11/13
51: E04H
71: COCHRANE GULF FZE
72: COCHRANE, Alexander Richard, BUCARIZZA, Vlado
33: ZA 31: 2020/01462 32: 2020-03-09
54: A MAST WITH A MECHANISM FOR PIVOTING THE ELONGATE POST
00: -
A mast (10) which includes an elongate post (12) with a first end (14) and a second end (16), the first end (14) being pivotally secured to a ground-engaging support base, at least a first mechanism (22) to restrict pivotal movement of the post (12), a winch (26) which is attached to the post (12), and a cable (28) which is engaged with the winch (26) and which is secured at one end to an anchor (30), wherein the winch (26) is actuable to allow the post (12) to pivot, from an elevated position, in a first direction (54) which lowers the post (12) against the action of the movement restricting first mechanism (22), and which is actuable to pivot the post (12) in a second direction (56) which opposes the first direction (54) to elevate the post (12).



21: 2022/09693. 22: 2022/08/30. 43: 2023/11/13
51: A61K; C07K; A61P

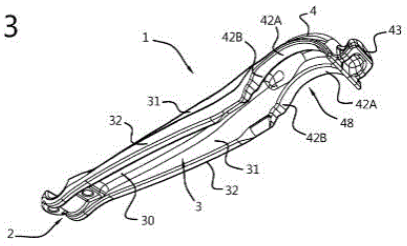
71: SHANGHAI HENLIUS BIOTECH, INC.
72: LIU, Mujun, FANG, Yuan, HAN, Dongmei
33: CN 31: 202010143839.6 32: 2020-03-04
54: PHARMACEUTICAL FORMULATION COMPRISING BEVACIZUMAB
00: -
Provided is a pharmaceutical formulation comprising 10-80 mg/mL of bevacizumab. The buffer system of the pharmaceutical formulation is preferably 10-30 mM histidine hydrochloride-sodium acetate buffer, in which 25-50 mg/mL of sucrose or sorbitol is used as a stabilizer, and Tween 80 is used as a surfactant, and the system has a pH of 5.0-5.6. The formulation is tested under repeated freezing and thawing and high-temperature acceleration conditions of 40?. The protein stability is good, and is better than other similar formulations.

21: 2022/09778. 22: 2022/09/01. 43: 2023/11/08
51: B29C; B65D
71: VAN DEN BROEK, Lucas, Karel, Johannes, WILLEMSEN, Louis, Rinze, Henricus, Adrianus, JOHNSON, Philip, Richard
72: VAN DEN BROEK, Lucas, Karel, Johannes, WILLEMSEN, Louis, Rinze, Henricus, Adrianus
33: NL 31: 2025035 32: 2020-03-03
54: THREE-DIMENSIONAL FILM SEALING
00: -
Described is an assembly (1) comprising a wall element (2), defining a circumferential bonding strip (3) running over the wall element, and a flexible flat film connected to the bonding strip with a continuous circumferential bonding (4), which wall element and film define two opposite walls (2a, 5a) of a chamber (5), characterized in that the wall element further comprises a base plane B defined by the wall element, at least two corner elements (6a, 6b, 6c, 6d) positioned on a distance to one another, which extend substantially perpendicular with a height H (Ha, Hb, Hc, Hd) in the same direction from the base plane of the wall element, each corner element defining an angle A (Aa, Ab, Ac, Ad) of the chamber with an angle line which is substantially perpendicular to the base plane, strip sections (7a, 7b, 7c, 7d), each connecting two corner elements that define adjacent corners of the chamber to one another, the distance between the strip sections and the base plane being less than H, wherein the continuous circumferential bonding strip runs over the strip sections and over the corner elements and at least in the area of the corner elements at a distance from the base surface corresponding to height H (Ha, Hb, Hc, Hd), and wherein the outer contour of the film is shaped in such a way that the outer contour of the film corresponds to that of the circumferential bonding strip. A method for the production of such an assembly is also described.



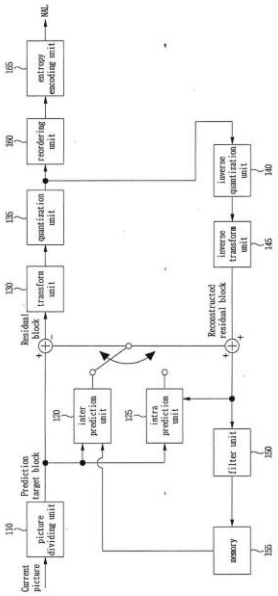
21: 2022/09963. 22: 2022/09/07. 43: 2023/11/08
51: B60G; F16F
71: VDL WEWELER B.V.
72: HENDRIKS, Michel, BRUINJA, Marten, Frank, Ciarán, SCHRIER, Tom
33: NL 31: 2025334 32: 2020-04-10
54: FORGED FLEXIBLE TRAILING ARM HAVING AN OMEGA SHAPED CROSS SECTION
00: -
A flexible trailing arm (1) for an air sprung wheel axle suspension of a vehicle is forged of spring steel. The trailing arm (1) has a front end portion (2) to be pivotally mounted to a chassis, an axle attachment portion (4) at a longitudinal distance from the front end portion (2), and a spring portion (3) extending between the front end portion (2) and the axle attachment portion (4) and formed integrally therewith. The spring portion (3) comprises a channel shaped profile having a top wall (30) having a wall thickness (tt), two opposing lateral walls (31) having a wall thickness (ti), and an open side opposite the top wall (30) and facing downwardly in use. The spring portion (3) furthermore comprises outwardly extending lateral ridges (32) formed at the end of the lateral walls (31) flanking the open side of the channel shaped profile.

Fig. 3

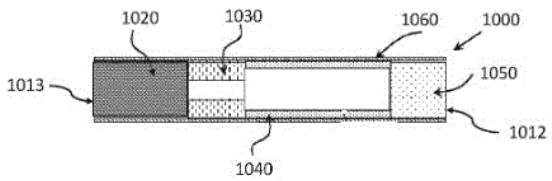


21: 2022/09970. 22: 2022/09/07. 43: 2023/09/12
51: A61B A61K
71: AEON BIOPHARMA, INC.
72: BROOKS, Gregory, F., STAGG, Adelbert, L.
33: US 31: 62/988,764 32: 2020-03-12
54: NEUROTOXIN COMPOSITIONS FOR USE IN TREATING CARDIOVASCULAR DISORDERS
00: -
Disclosed herein are compositions and methods for use in treating cardiovascular disorders.

21: 2022/10186. 22: 2022/09/14. 43: 2023/10/18
51: H04N
71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
72: KIM, Ki Baek
33: WO 31: PCT/KR2019/018740 32: 2019-12-30
33: KR 31: 10-2018-0173164 32: 2018-12-28
33: KR 31: 10-2018-0173228 32: 2018-12-29
54: INTRA PREDICTION-BASED VIDEO ENCODING/DECODING METHOD AND DEVICE
00: -
A video encoding/decoding method and device according to the present invention may: determine a reference area for the intra prediction of the current block; derive the intra prediction mode of the current block; and decode the current block on the basis of the reference area and the intra prediction mode.

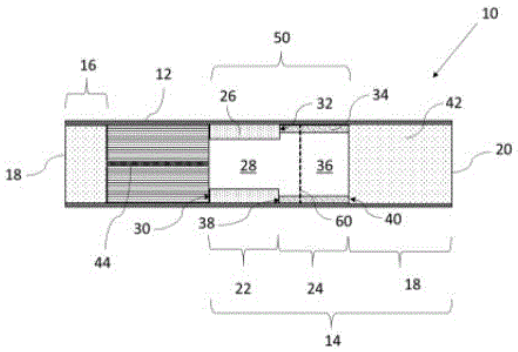


21: 2022/10615. 22: 2022/09/26. 43: 2023/11/08
51: A24B; A24D; A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: ARNDT, Daniel, SCHALLER, Jean-Pierre, JARRIAULT, Marine
33: EP 31: 20160178.8 32: 2020-02-28
54: NOVEL AEROSOL-GENERATING SUBSTRATE COMPRISING ROSMARINUS SPECIES
00: -
An aerosol-generating article (1000)(4000a,4000b)(5000) comprises an aerosol-generating substrate (1020), the aerosol-generating substrate formed of a homogenised rosemary material comprising between 1 percent by weight and 25 percent by weight rosemary particles, between 5 percent and 30 percent by weight of an aerosol former and between 1 percent by weight and 10 percent by weight of binder.

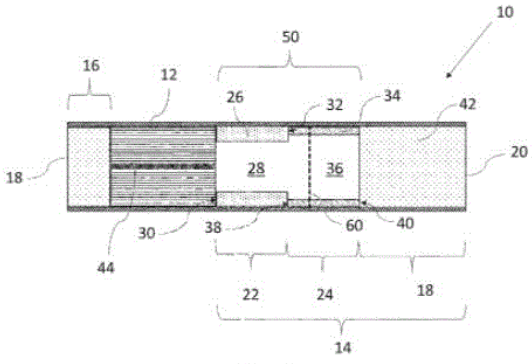


21: 2022/10616. 22: 2022/09/26. 43: 2023/11/08
51: A24D
71: PHILIP MORRIS PRODUCTS S.A.

72: UTHURRY, Jerome, NESOVIC, Milica, D'AMBRA, Gianpaolo
33: EP 31: 20160212.5 32: 2020-02-28
54: AEROSOL-GENERATING ARTICLE WITH IMPROVED CONFIGURATION
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; a mouthpiece element (42) having a length of at least 10 millimetres; and an intermediate hollow section (50) between the rod (12) of aerosol-generating substrate and the mouthpiece element (42). The intermediate hollow section (50) comprises an aerosol-cooling element (24) in axial alignment with the mouthpiece element (42) and abutting the upstream end of the mouthpiece element (42), the aerosol-cooling element (24) having a length of less than millimetres and comprising a hollow tubular segment (34) defining a longitudinal cavity (36) providing an unrestricted flow channel, wherein the hollow tubular segment has a wall thickness of between 1.5 millimetres and 2.5 millimetres.

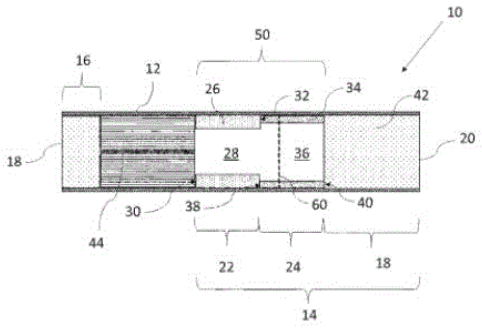


21: 2022/10618. 22: 2022/09/26. 43: 2023/11/08
51: A24D
71: PHILIP MORRIS PRODUCTS S.A.
72: UTHURRY, Jerome, NESOVIC, Milica, MONTANARI, Edoardo, D'AMBRA, Gianpaolo
33: EP 31: 20160242.2 32: 2020-02-28
54: AEROSOL-GENERATING ARTICLE WITH DUAL HOLLOW TUBULAR SEGMENT
00: -
There is provided an aerosol-generating 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) of aerosol-generating substrate, the support element (22) being in longitudinal alignment with the rod (12) and comprising a first hollow tubular segment (26) having an internal diameter (DFTS); and an aerosol-cooling element (24) positioned immediately downstream of the support element (22) and in longitudinal alignment with the rod (12) and the support element (22). The aerosol-cooling element (24) comprises a second hollow tubular segment (34) having an internal diameter (DSTS). The aerosol-generating article (10) further comprises a ventilation zone (60) at a location along the second hollow tubular segment (34). The internal diameter (DSTS) of the second hollow tubular segment (34) is greater than the internal diameter (DFTS) of the first hollow tubular segment (26), a ratio between the internal diameter (DSTS) of the second hollow tubular segment (34) and the internal diameter (DFTS) of the first hollow tubular segment (26) being at least about 1.25.



21: 2022/10619. 22: 2022/09/26. 43: 2023/11/08
51: A24D
71: PHILIP MORRIS PRODUCTS S.A.
72: UTHURRY, Jerome, NESOVIC, Milica, D'AMBRA, Gianpaolo, CANTIERI, Fabio
33: EP 31: 20160227.3 32: 2020-02-28
54: VENTILATED AEROSOL-GENERATING ARTICLE WITH INDUCTION HEATING
00: -
There is provided an aerosol-generating article (10) for producing an inhalable aerosol upon heating, the aerosol-generating article 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) comprising an aerosol-cooling element (24) in longitudinal alignment with the rod (12) of

aerosol-generating substrate. The aerosol-cooling element (24) comprises a hollow tubular segment (34) that defines a cavity (36) extending all the way from an upstream end (38) of the hollow tubular segment (34) to a downstream end (40) of the hollow tubular segment (34). The aerosol-generating article (10) further comprises a ventilation zone (60) at a location along the hollow tubular segment (34), and the hollow tubular segment (34) has a length of less than about 10 millimetres.



21: 2022/10624. 22: 2022/09/26. 43: 2023/10/18
51: A61K; C07K; C12N; A61P
71: SHANGHAI HENLIUS BIOTECH, INC.
72: XUE, Jie, JIANG, Wei-Dong, XU, Wenfeng
33: CN 31: 202010128290.3 32: 2020-02-28
54: ANTI-CD137 CONSTRUCT AND USE THEREOF
00: -
The present application provides an anti-CD137 construct (for example, anti-CD137 monoclonal antibody and polyspecific antibody) binding to CD137, a nucleic acid molecule encoding an amino acid sequence of the anti-CD137 construct, a vector comprising the nucleic acid molecule, a host cell comprising the vector, a method for preparing the anti-CD137 construct, a pharmaceutical composition comprising the anti-CD137 construct, and a method for using the anti-CD137 construct or composition.

21: 2022/10626. 22: 2022/09/26. 43: 2023/11/13
51: A61K; C07K; C12N; A61P
71: SHANGHAI HENLIUS BIOTECH, INC.
72: XUE, Jie, JIANG, Wei-Dong, XU, Wenfeng, FENG, Weijun
33: WO 31: PCT/CN2020/077 32: 2020-02-28
54: ANTI-CD137 CONSTRUCTS, MULTISPECIFIC ANTIBODY AND USES THEREOF
00: -
The present invention provides anti-CD137 constructs that bind to CD137, including multispecific anti-CD137 antibodies with binding specificity for CD137 and one or more additional antigen, and methods of using the same. In certain embodiments, the one or more additional antigen comprises epidermal growth factor receptor (EGFR).

21: 2022/10942. 22: 2022/10/05. 43: 2023/10/25
51: E05B
71: ABLOY OY
72: SKOGSTRÖM, Peter, HEISKANEN, Ville
33: FI 31: 20205477 32: 2020-05-13
54: ELECTRONIC PADLOCK
00: -
The object of the invention is to provide an electronic padlock (1), by means of which the chance of erroneous opening of the electronic padlock is reduced. The electronic padlock according to the invention comprises a body (2) and a shackle (3). The body has latch parts (4), a cam piece (5) and an electronic actuator (6). The electronic actuator (6) comprises a pivot shaft (7), which is arranged to turn the cam piece (5) to release the latch parts (4) from a locking state, and also to turn the cam piece (5) to hold the latch parts in the locking state. In the locking state, the latch parts (4) prevent the shackle (2) from being moved to open the electronic padlock (1). Between the electronic actuator (6) and cam piece (5) there is a blocking mechanism (8). The blocking mechanism connects the pivot shaft (7) of the electronic actuator (6) functionally to the cam piece (5) to turn it with the electronic actuator (6) and prevent any other turning of the cam piece (5) in relation to the body (2).

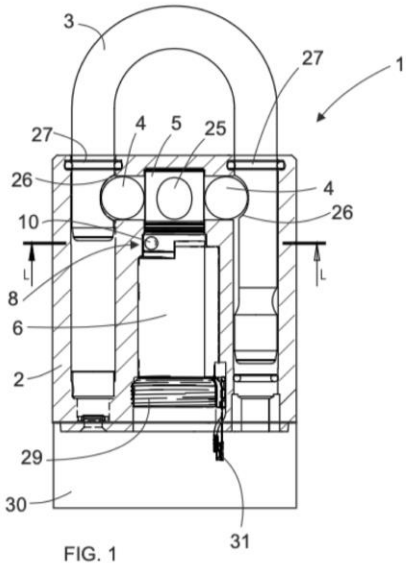
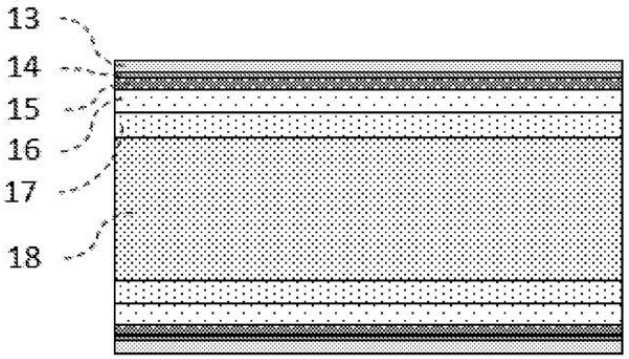


FIG. 1

21: 2022/10947. 22: 2022/10/05. 43: 2023/10/27
51: C21D; C22C
71: ARCELORMITTAL
72: Astrid PERLADE, Kangying ZHU, Coralie JUNG
33: IB 31: PCT/IB2020/056997 32: 2020-07-24
54: COLD ROLLED AND ANNEALED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME
00: -
The invention deals with a cold rolled and annealed steel sheet, made of a steel having a composition comprising, by weight percent: C: 0.03 - 0.18 % Mn: 6.0 – 11.0 % Al: 0.2 – 3% Mo: 0.05 - 0.5 % B: 0.0005 – 0.005% S ≤ 0.010 % P ≤ 0.020 % N ≤ 0.008 % and comprising optionally one or more of the following elements, in weight percentage: Si ≤ 1.20% Ti ≤ 0.050 % Nb ≤ 0.050 % Cr ≤ 0.5 % V ≤ 0.2 % the remainder of the composition being iron and unavoidable impurities resulting from the smelting, said steel sheet having a microstructure comprising, in surface fraction, - from 25% to 55% of retained austenite, - from 5% to 50% of ferrite, - from 5 to 70% of partitioned martensite - less than 5% of fresh martensite, - a carbon [C]A and manganese [Mn]A content in austenite, expressed in weight percent, such that the ratio ($[C]A^2$ x [Mn]A) / ($C\%^2$ x Mn%) is from 3.0 to 8.0, C% and Mn% being the nominal values in carbon and manganese in weight % and - an inhomogeneous repartition of manganese characterized by a manganese distribution with a slope above or equal to -40.

21: 2022/11114. 22: 2022/10/11. 43: 2023/10/27
51: C21D; C22C; C23C
71: ARCELORMITTAL
72: Ranbir Singh JAMWAL, Hassan GHASSEMI-ARMAKI, Anirban CHAKRABORTY, Pavan CHALLA VENKATASURYA
33: IB 31: PCT/IB2020/054322 32: 2020-05-07
54: ANNEALING METHOD OF STEEL
00: -
The present invention relates to a manufacturing method of a steel strip, a steel strip with controlled decarburized depth, a spot welded joint and the use of said steel strip or said spot welded joint. This invention is particularly well suited for the automotive industry due to the improvement of the Liquid Metal Embrittlement (LME) resistance along with target mechanical properties.



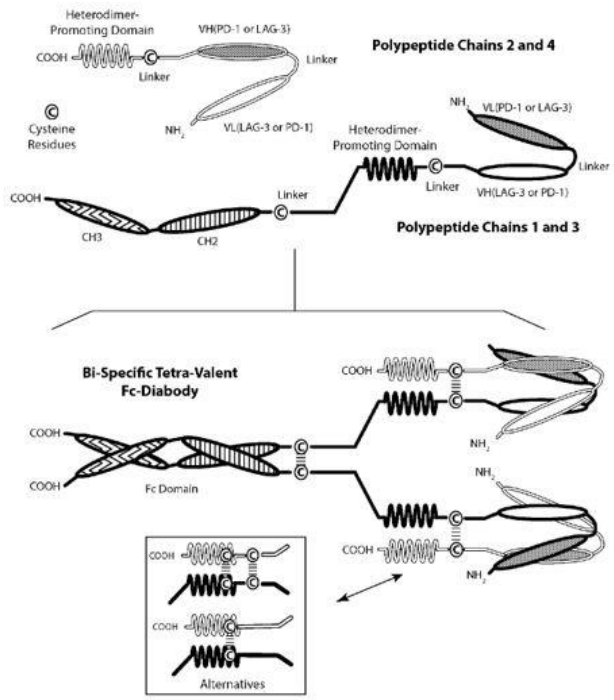
21: 2022/11321. 22: 2022/10/14. 43: 2023/10/27
51: A23K; C07C
71: Alzchem Trostberg GmbH
72: Thomas GÜTHNER, Franz THALHAMMER, Jürgen SANS
33: DE 31: 10 2019 118 893.8 32: 2019-07-12
33: DE 31: 10 2019 118 894.6 32: 2019-07-12
54: N,N'-GUANIDINODIACETIC ACID
00: -
The present invention relates to guanidine compounds and in particular to N,N'-guanidinodiacetic acid. The inventive compounds can in particular be used in a method for preparing N-(aminoiminomethyl)-2-aminoacetic acid comprising N-(aminoiminomethyl)-2-aminoacetic acid in a thermodynamically metastable crystal modification.

21: 2022/11455. 22: 2022/10/19. 43: 2023/10/27
51: A61K; C07K
71: MACROGENICS, INC.
72: Gerry Chester BOHAC, Deryk LOO, Juniper A. SCRIBNER, Jon Marc WIGGINTON
33: US 31: 63/023,495 32: 2020-05-12
33: US 31: 63/180,795 32: 2021-04-28

54: METHODS FOR THE USE OF A B7-H3 ANTIBODY-DRUG CONJUGATE ALONE OR IN COMBINATION

00: -

The present invention is directed to dosing regimens for administering a humanized anti- B7-H3 antibody conjugated to at least one duocarmycin moiety (a "B7-H3-ADC") for the treatment of cancer, particularly a cancer associated with expression of B7-H3. The invention particularly concerns the use of such B7-H3-ADC optionally in combination with a PD-1 binding molecule for the treatment of cancer. The invention particularly concerns the use of such B7-H3-ADC and an anti-PD-1 antibody or a PD-1 X LAG-3 bispecific molecule. The invention is directed to the use of such molecules, and to the use of pharmaceutical compositions and pharmaceutical kits that contain such molecules and that facilitate the use of such dosing regimens in the treatment of cancer.



21: 2022/11559. 22: 2022/10/24. 43: 2023/10/27
51: G06F; G06N
71: HUIZBESOEK (PTY) LTD
72: Giel Berdus KRÜGER
33: ZA 31: 2021/08541 32: 2021-11-03

54: SERVICE ARRANGEMENT

00: -

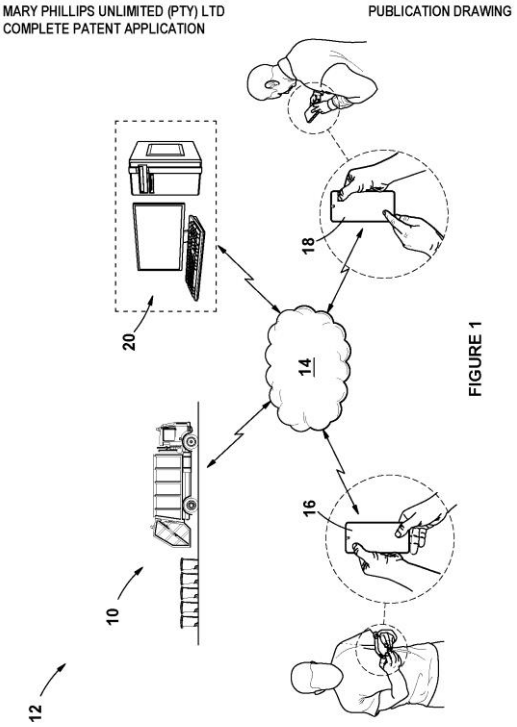
The invention discloses a service arrangement, which includes digital means adapted to enable a user to request a service provider to provide a service at a specific location. The user can be a patient, the service provider a medical practitioner and/or medical service provider and the service a medical service. The medical practitioner and/or medical service provider can be a doctor, a nurse, a therapist, a physiotherapist and/or person conducting medical tests onsite or for taking samples to be tested and/or analysed in a laboratory.

21: 2022/12117. 22: 2022/11/07. 43: 2023/10/18
51: B09B; B65B; G06F
71: WASTE TAKERS (PTY) LTD
72: PHILLIPS, Mary Magdalene
33: ZA 31: 2021/09023 32: 2021-11-15

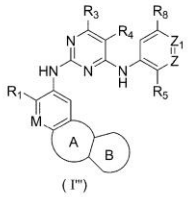
54: WASTE MANAGEMENT SYSTEM AND WASTE MANAGEMENT METHOD

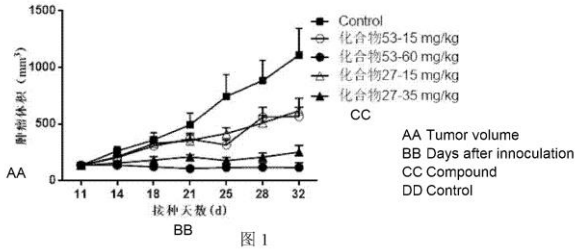
00: -

The present invention relates to a system 10 and a method of managing waste. A network 12 is provided and includes the system 10, a waste generator device 16, a waste collector device 18 and a waste container/bin which contains waste monitoring arrangement 20. The system 10, waste generator device 16, the collector device 18 and the monitoring arrangement 18 are in communication via a communication network 14. The system 10 collects a request to collect waste at a particular location; and generate a suitable notification for transmitting to the waste collector device 18. The system 10 further receives an indication from the waste collector device 18 of their acceptance or rejection of the request to collect waste. The system 10 enables a waste generator to request for waste to be collected by a waster collector.



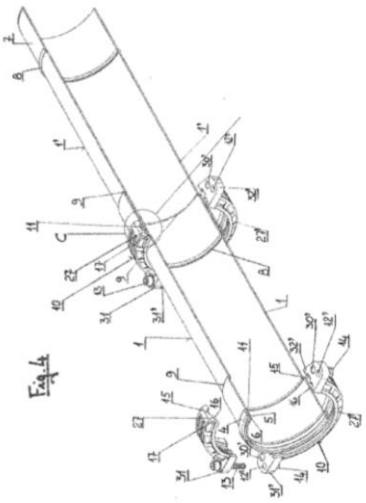
21: 2022/12150. 22: 2022/11/07. 43: 2023/11/13
51: A61K; C07D; A61P
71: QILU PHARMACEUTICAL CO., LTD.
72: ZHENG, Shansong, DENG, Wei, CAMPOS, Sebastien Andre, YANG, Yingying, TIAN, Zhenhua, ZHENG, Qingmei, WU, Guosheng, ZHAO, Zhiwei, LI, Leilei, FU, Jianmin, ZHAO, Shuyong
33: CN 31: 202010292186.8 32: 2020-04-14
33: CN 31: 202010852717.4 32: 2020-08-22
33: CN 31: 202110175424.1 32: 2021-02-09
33: CN 31: 202110312259.X 32: 2021-03-24
54: TRICYCLIC COMPOUNDS AS EGFR INHIBITORS
00: -
Provided are a class of compounds, represented by formula (I'"), as selective EGFR inhibitors, a pharmaceutical composition containing the compounds, useful intermediates for preparing the compounds, and a method for using the compounds of the present invention to treat cell proliferative diseases, such as cancers.





21: 2022/12287. 22: 2022/11/10. 43: 2023/10/24
51: F16L
71: PIPES & FITTINGS EQOFLUIDS S.L.
72: DI LIBERTO, Luca, GRANATA, Giacomo, CERDA, Miguel
33: IT 31: 102020000009817 32: 2020-05-05
54: INTEGRATED JOINING SYSTEM IN TUBULAR FLUID DISTRIBUTION ELEMENTS
00: -
Integrated joining system in tubular fluid distribution elements comprising a tubular element (1) having a first enlarged cup-shaped end (2) and a second opposite end (7) equipped with a radical protuberance (8), wherein said first end (2) is equipped with a specially shaped flange (3) having a concentric edge (4) external to the tubular element and a respective cavity (41) facing the inside of said tubular element (1), capable of receiving and retaining inside an elastomeric gasket (11) of circular or other convenient form and wherein said first end (2) is equipped with a radical groove (5) which is also concentric, placed side by side and external to said edge (4), equipped with and edge (6) protruding with respect to the external surface of the tubular element itself, wherein the assembly of the tubular elements takes place by inserting the end (7) of a tubular element (1) inside the cup-shaped end (2) of a similar tubular element (1) until the end of its axial stroke up to the contact of a base or shoulder (9) of the cup-shaped end (2) with the edge of the second end (7), after said edge has passed the elastomeric gasket (11) housed in the cavity (41), a junction block (10) comprising two semicircles (27,27) placed radically around the tubular element (1,1') at this

concentric edge (4) and at this end edge (6) which, by tightening itself by means of clamping elements, crimps the two tubular elements (1,1').



21: 2022/12514. 22: 2022/11/16. 43: 2023/10/27
51: B60R; E05B; H04L
71: KUSHNIR, Marat
72: KUSHNIR, Marat
33: US 31: 17/321,942 32: 2021-05-17
33: US 31: 17/673,069 32: 2022-02-16
54: LOCK AND SWITCH CONTROLLER SYSTEM, LOCK AND SWITCH DEVICE WITH OFFLINE RESPONSIVENESS, LOCK AND SWITCH CONTROLLER SYSTEM WITH FLEXIBLE COMMANDS
00: -
A lock and switch controller system, a lock and switch device with offline responsiveness, and system with flexible commands are present. The disclosure provides a lock and/or switch and controller system having a controller with a means of receiving readable alpha and/or numeric input manually from a user using a keypad or other means. The apparatus disclosed herein, provides for the compilation of commands, encrypted in the form of human readable tokens containing covert instructions for the remote control and management of target devices. Any instructions to an appliance or any other users' credentials can be encrypted by an administrator and/or owner and delivered to the controller of the appliance by a user without compromising any security. The lock and switch controller system operates independently and can accept new rules without the presence of the administrator or owner and without connectivity to any communications network.

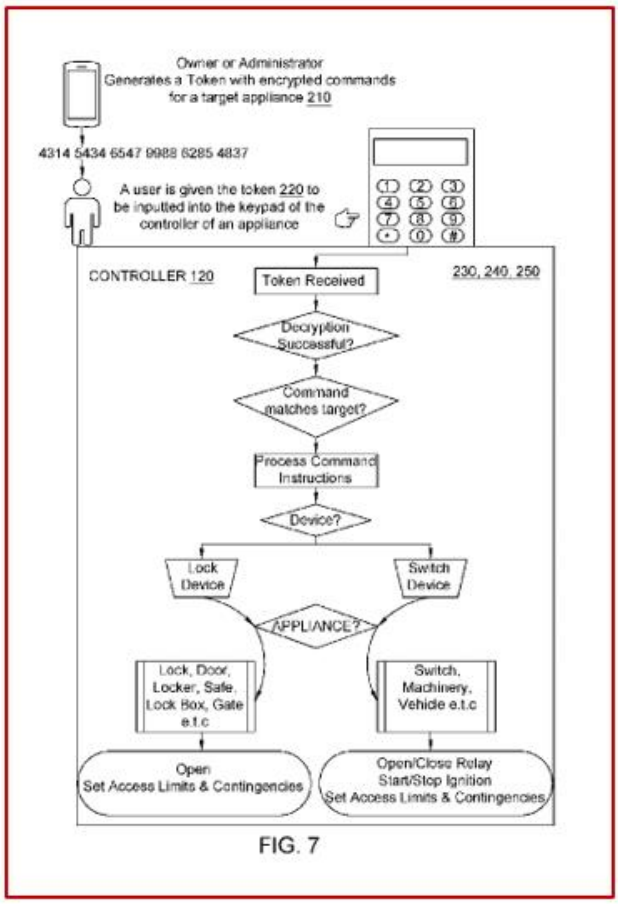
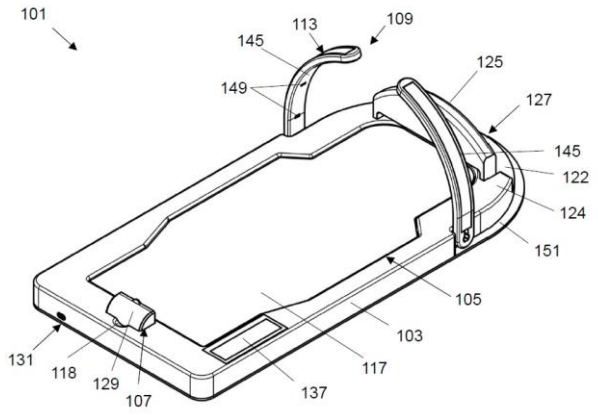


FIG. 7

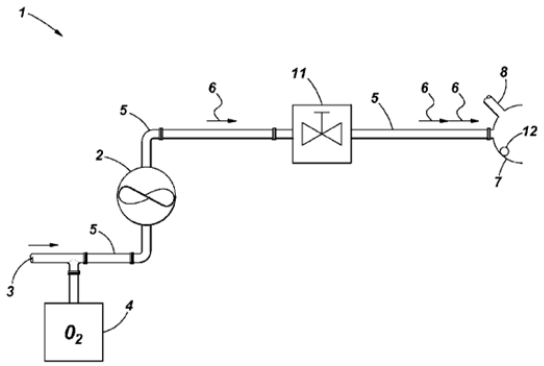
21: 2022/12542. 22: 2022/11/17. 43: 2023/09/05
51: A61B
71: STELLENBOSCH UNIVERSITY
72: McCLUNAN, Klara, VAN NIEKERK, Evette
33: ZA 31: 2021/09135 32: 2021-11-17
54: ANTHROPOMETRIC GROWTH APPARATUS
00: -
An anthropometric growth apparatus for measuring the anthropometry of an infant is provided. The apparatus comprises a base with a digital scale assembly mounted to the base and configured to measure a weight of the infant. A digital length measurement assembly is mounted to the base and configured to measure a length of the infant. A head circumference measurement assembly is mounted to the base and includes an array of distance sensors provided on a support configured to position the array of distance sensors at a selected distance from the head of the infant for non-invasive measurement of the head circumference in use. The apparatus

may further be used for body composition and gestational age determination.



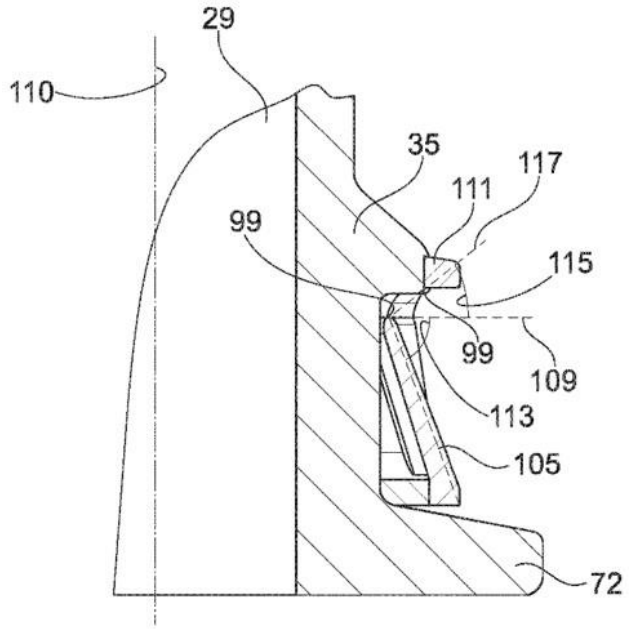
21: 2022/12693. 22: 2022/11/21. 43: 2023/11/13
51: A61M
71: KERSTEN, Erich
72: KERSTEN, Erich
33: ZA 31: 2020/02555 32: 2020-05-08
54: VENTILATOR AND METHOD OF VENTILATION
00: -

This invention relates to a ventilator and method of ventilation. The ventilator has a flow path defined between a fluid source and a delivery device, a fluid control valve regulating pressure in the flow path, and control means controlling the fluid control valve between an open position and a closed position.



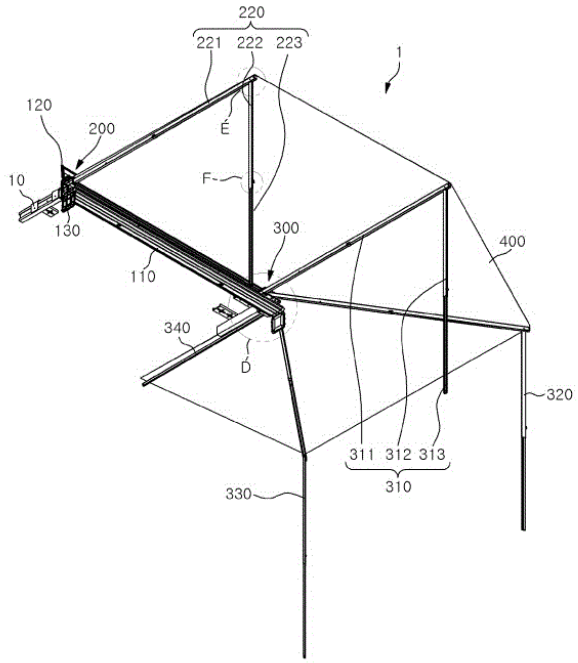
21: 2022/12772. 22: 2022/11/23. 43: 2023/10/19
51: B65D
71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG
72: Andreas KAINZ, Franz-Michael LÄSSER
33: CH 31: 00672/20 32: 2020-06-05
54: CONTAINER CLOSURE
00: -

The invention relates to a container closure (11) for closing the pour opening (33) of a container (13), having – a screw cap (15) with a free edge (25) – a security ring (17) that is connected by means of break-away tabs (63) to the free edge (25) of the exterior surface (15) and has engagement means (37), – a first holding strip (19a) with first and second ends (39, 41), wherein the first end (39) is fixedly connected to the free edge (25) of the screw cap (15) and the second end (41) is fixedly connected to the security ring (17) and – a second holding strip (19b) with third and fourth arm ends (51, 53), wherein the third end (51) is fixedly connected to the free edge (25) of the screw cap (15) and the fourth end (53) is fixedly connected to the security ring (17). The first, second, third and fourth ends (39, 41, 51, 53) are arranged one after the other in the circumferential direction on the free edge (25) and on the security ring (17). The length of the first and of the second holding strip (191, 19b) corresponds to between 27% and 32% and preferably between 29% and 30% of the outer diameter of the screw cap (15).



21: 2022/12851. 22: 2022/11/25. 43: 2023/10/19
51: E04H
71: iKAMPER CO., LTD.
72: PARK, Soon, Gyu
33: KR 31: 10-2021-0152926 32: 2021-04-28
33: KR 31: 10-2021-0054833 32: 2021-04-28
33: KR 31: 10-2021-0152925 32: 2021-11-09
54: AWNING FOR VEHICLE

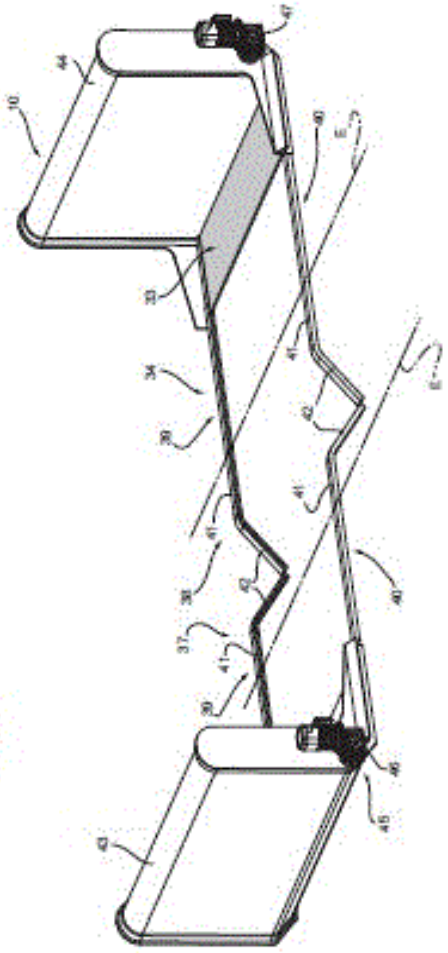
00: -
An awning for a vehicle, according to an embodiment of the present invention, may comprise: a housing including an openable/closable inner space; a first pole assembly rotatably coupled to one side of the housing; a second pole assembly rotatably coupled to the other side of the housing; and an awning fabric provided to cover the top surfaces of the first and second pole assemblies, wherein the first pole assembly, the second pole assembly, and the awning fabric are selectively received inside the housing or rotated and unfolded outside the housing.



21: 2022/13000. 22: 2022/11/30. 43: 2023/09/06
51: B23K
71: BLM S.P.A.
72: GEMIGNANI, Roberto, CROSATO, Andrea, RAFFAELLI, Davide, CATTANEO, Corrado, RIVA, Giovanni, COLOMBO, Andrea
33: IT 31: 102021000030638 32: 2021-12-03

54: HOUSING FOR A LASER PROCESSING MACHINE AND LASER PROCESSING MACHINE HAVING A HOUSING

00: -
A housing (4) for a laser processing machine (1) is described comprising a dividing wall (9), which separates a first work space (7) and a second work space (8), and a covering device (10), which is configured to selectively cover at least one between the first work space (7) and the second work space (8). The covering device (10) comprises at least a cover (32; 33), which is controllable in an active configuration, in which the cover (32; 33) is configured to cover one between the first work space (7) and the second work space (8) and a guide system (34), which is configured to guide the cover (32; 33) so that the cover (32; 33), when it is in the active configuration, comprises at least a main portion (35) and an auxiliary portion (36) extending from the main portion (35) and being inclined relative to the main portion (35).



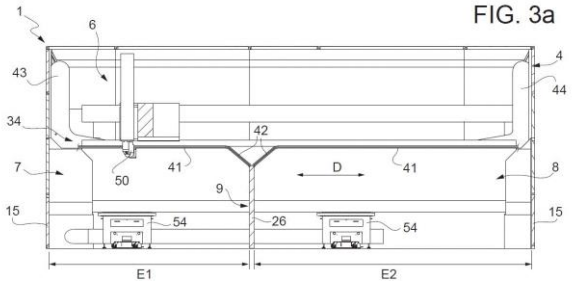
21: 2022/13001. 22: 2022/11/30. 43: 2023/09/06
51: B23K
71: BLM S.P.A.
72: GEMIGNANI, Roberto, CROSATO, Andrea, RAFFAELLI, Davide, CATTANEO, Corrado, RIVA, Giovanni, COLOMBO, Andrea
33: IT 31: 102021000030653 32: 2021-12-03

54: HOUSING FOR A LASER PROCESSING MACHINE AND LASER PROCESSING MACHINE HAVING A HOUSING

00: -

A housing (4) for a laser processing machine (1) is described to treat work pieces (2). The housing (4) comprises a dividing wall (9), which separates a first work space (7) having a first length (E1) and a second work space (8) having a second length (E2) from one another, a first entrance (17) to allow access to the first work space (7), a second entrance (18) to allow access to the second work space (8), a closing device (19; 20), which is configured to selectively open and close the first entrance (17) and the second entrance (18) and a control unit, which is operatively connected to the closing device (19; 20). The dividing wall (9) is placeable in an operating position, which is variable among at least a first position, a second position and a third position. The control unit is configured to control the closing device (19; 20) as a function of the operating position of the dividing wall (9).

FIG. 3a

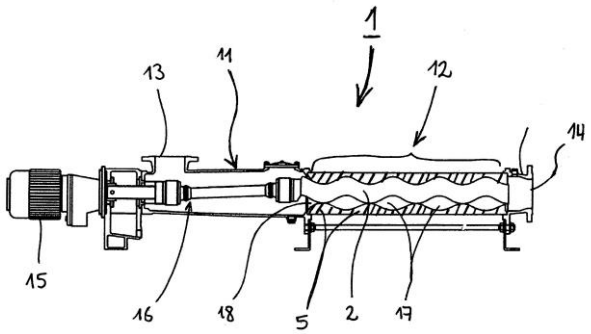


21: 2022/13097. 22: 2022/12/02. 43: 2023/09/07
51: F04C
71: NETZSCH Pumpen & Systeme GmbH
72: GOETZ, Frank, ZIERHOFER, Martin, NUEBL, Philipp, VOIT, Stefan
33: DE 31: 10 2020 114 937.9 32: 2020-06-05

54: ECCENTRIC SCREW PUMP WITH A MODULAR DESIGN

00: -

The invention relates to an eccentric screw pump with a rotor, which forms a conveyor screw, and a stator, which forms a screw thread and in which the rotor circulates during a conveying operation. The stator comprises a single-part or multipart stator housing, in which a stator lining made of an elastomer material is located, said lining forming the screw thread. The stator lining forms a projection at least on one side in the direction along the pump longitudinal axis, said projection protruding from the stator housing such that a free force introduction surface is formed. A force can be applied via the free force introduction surface, said force compressing the stator lining into the stator housing so that the stator lining is transversely elongated in the stator housing, leading to a constriction of the screw thread. The projection can be surrounded by a mobile support tube which is moved relative to the stator housing in the direction along the longitudinal axis of the stator housing for compression purposes.

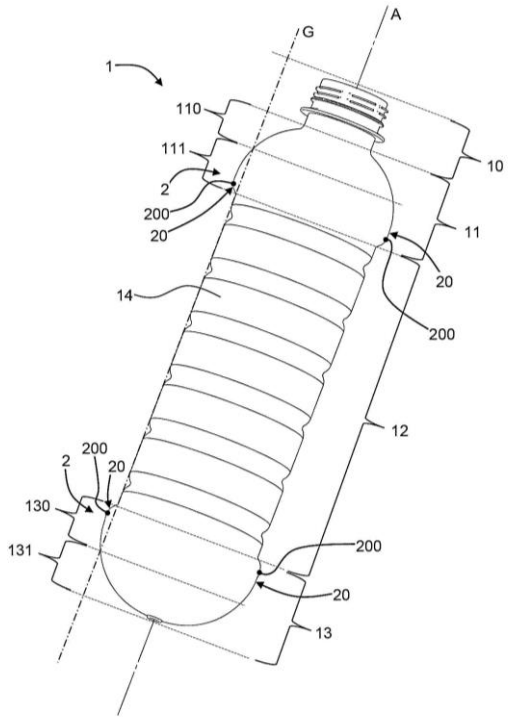


21: 2022/13098. 22: 2022/12/02. 43: 2023/09/14
51: B65D
71: Sidel Participations
72: DERRIEN, Mikael, BOUKOBZA, Michel
33: FR 31: 2005964 32: 2020-06-08

54: PLASTIC CONTAINER COMPRISING AT LEAST ONE ANTI-ROTATION PORTION

00: -

The invention relates to a plastic container (1) extending along a longitudinal axis (A) and comprising: - a neck (10) having an opening; - a shoulder (11) axially extending the neck (10); - a bottom (13) having a semi-elliptical profile; - a body (12) extending between the shoulder (11) and the bottom (13), and comprising, along its longitudinal axis (A) and below the neck (10), at least one anti-rotation portion (2).



21: 2022/13371. 22: 2022/12/09. 43: 2023/09/04
51: A61K
71: VIRO-GEN PTY LTD
72: SMIT, MICHELLE OLGA PATRICIA GIESTEIRA DA SILVA
33: ZA 31: 2020/03850 32: 2020-07-09
33: ZA 31: 2020/04008 32: 2020-07-09
54: COMPOSITIONS AND METHODS USEFUL FOR THE PREVENTION AND/OR TREATMENT OF DISEASE IN MAMMALS
00: -
Novel methods and pharmaceutical composition or medicaments are described for protecting a subject against, or treating a subject suffering from, disease characterised by viral infection and/or diseases associated with immune system disorder and/or viral cancers, by raising the levels of Ksp37 in the blood plasma of the subject to a therapeutically effective concentration level. According to the invention, a therapeutically effective amount of one or more of; a clinically modified or genetically engineered Ksp37 protein and/or proteins having a molecular weight in the range ranging from 24 kDa to 45 kDa, and/or a vector encoded with a KSP37 gene which will translate to a Ksp37 protein and/or proteins having a molecular weight in the range ranging from 24 kDa to 45 kDa, and/or a polar compound are administered to a subject.

21: 2022/13687. 22: 2022/12/19. 43: 2023/10/10
51: A61K; C07D; A61P
71: ZHUHAI YUFAN BIOTECHNOLOGIES CO., LTD
72: LIN, Xingyu, LU, Tingting
33: CN 31: 202010546816.X 32: 2020-06-16
54: USE OF HPK1 KINASE INHIBITOR IN PREVENTING AND/OR TREATING PATHOGEN INFECTION IN ANIMALS
00: -
Use of an HPK1 kinase inhibitor in preventing and/or treating pathogen infection in animals. The HPK1 kinase inhibitor is a small molecule HPK1 kinase inhibitor, especially the compound of general formula I or a pharmaceutically acceptable salt, a stereoisomer, an ester, a prodrug, a solvate, or a deuterated compound thereof. The HPK1 kinase inhibitor can effectively treat diseases (such as feline infectious peritonitis) caused by infection of pathogens (specifically viruses, such as coronaviruses) in animals, improve animal survival, and provide enhanced commercial value and application prospects in the field of animal antiviral (specifically viruses, such as coronaviruses) medicaments.

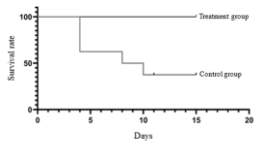
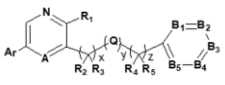
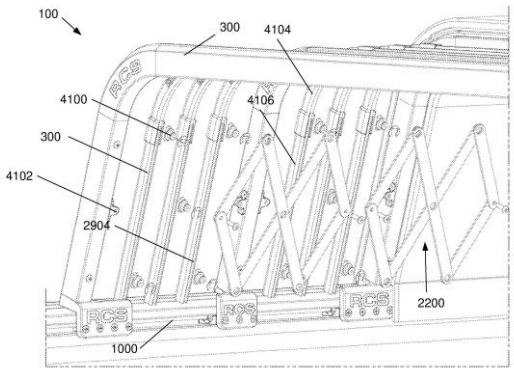


FIG. 2


(I)

21: 2022/13704. 22: 2022/12/19. 43: 2023/09/05
51: B60J
71: Retract Canopy Systems Pty Ltd
72: WELLS, Simon Lee Owen
33: AU 31: 2020902254 32: 2020-07-02
54: AUTOMOTIVE CARGO/TRAY COVER ASSEMBLY
00: -
The present invention relates to an automotive cargo or tray area cover assembly. The cover assembly includes a cover for covering a cargo or tray area of an automobile. One or more rib supports are provided for moving over the cargo or tray area and supporting the cover.



21: 2022/13888. 22: 2022/12/21. 43: 2023/09/06
51: C08G
71: LANXESS Deutschland GmbH
72: AUGUSTIN, Thomas, LOCHRIE, Ian
33: EP(DE) 31: 20176994.0 32: 2020-05-28
54: NEW PHTHALATE-FREE ISOCYANURATE COMPOSITION AND USE THEREOF
00: -
The present invention relates to new low-monomer, low-viscosity, low-volatility compositions of isocyanate group-containing isocyanurates and a phthalate-free plasticizer, which, when used as adhesion promoters, result in improved adhesion, to coating agents on the basis of plasticized PVC and to coated substrates.

21: 2023/00167. 22: 2023/01/03. 43: 2023/08/31
51: A61K; A61Q; C11D; D01F
71: Givaudan SA
72: MEUNIER , Marie, AUSSANT, Emmanuel, REYNAUD , Romain, SCANDOLERA, Amandine
33: GB 31: 2010390.9 32: 2020-07-07
54: A METHOD OF REDUCING SKIN IRRITATION, COMPRISING THE APPLICATION TO THE SKIN OF AN ALPHA-BISABOLOL PREPARED BY A BIOTECHNOLOGICAL PROCESS
00: -
A method of reducing skin irritation, comprising the application to the skin of an a-bisabolol prepared by a biotechnological process. The a-bisabolol thus prepared provides a substantial reduction in irritation, especially in fabrics worn for a prolonged period.

21: 2023/00318. 22: 2023/01/06. 43: 2023/08/31
51: A01K; A23K
71: Marine Bio Solutions AS
72: FOSSHODE, John Arnold, LANGVIK, Marianne Larssen, REPPE, Svein, WOLLAN, Haavard, ÖSTERHUS, Stein W.
33: NO 31: 20200806 32: 2020-07-09
54: SYSTEM FOR POLYCHAETE PRODUCTION COMPRISING A RETRIEVABLE TRAY, AND METHOD FOR POLYCHAETE PRODUCTION
00: -
System for polychaete production comprising at least one cultivation unit (100), the cultivation unit (100) comprising at least one inlet (120) and an outlet (130) for supply and discharge of water and feed, and at least one retrievable tray (300) for cultivation of polychaete. A method for polychaete production in a cultivation unit (100) is also disclosed.

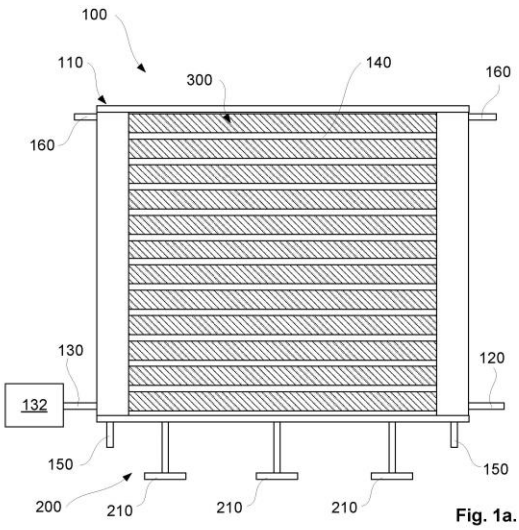
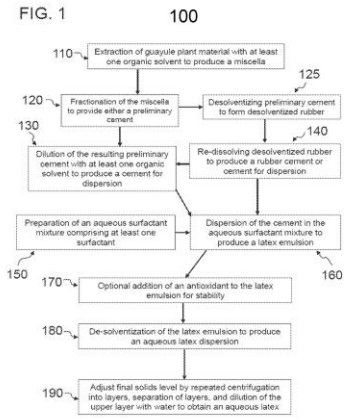


Fig. 1a.

21: 2023/00319. 22: 2023/01/06. 43: 2023/10/24
51: C08J; C09D; C09J
71: Bridgestone Corporation
72: WHITE, Robert W., HARTZELL, Michael R., DEDECKER, Mark N., KWAN, Jason K.
33: US 31: 63/038,883 32: 2020-06-14
33: US 31: 63/112,128 32: 2020-11-10
54: METHODS FOR PRODUCING POLYISOPRENE LATEX DISPERSIONS
00: -
In various embodiments, methods for producing aqueous polyisoprene latex from natural cis-1,4-polyisoprene are described. The natural cis-1,4-polyisoprene may be sourced from guayule scrubs. In various embodiments, the method comprises extracting guayule plant material to form a miscella, fractionating the miscella to a preliminary cement,

diluting the preliminary cement to a cement for dispersing, dispersing the cement in an aqueous surfactant mixture under high shear to produce an emulsion, and de-solventizing the emulsion to produce an aqueous latex dispersion. The rubber solids level can then be adjusted by centrifugation and dilution in water to produce a final aqueous cis-1,4-polyisoprene latex.



21: 2023/00324. 22: 2023/01/06. 43: 2023/08/31
51: C07C; F25J
71: Linde GmbH
72: KLEIN, Bernd, HÖFEL, Torben
33: DE 31: 10 2020 117 937.5 32: 2020-07-07

54: METHOD AND SYSTEM FOR SEPARATING A FEED FLOW

00: -

The invention relates to a method and a system (100) for separating a feed flow (1) which contains at least hydrogen and a hydrocarbon with three or four carbon atoms per molecule, in particular propane, propylene, propadiene, butane, 1-butene, 2-butene, and/or 1,3-butadiene. The condensed feed flow (1) is cooled over multiple cooling steps in at least two heat exchangers (120, 130) and is then separated into a condensate (7, 8, 9) and a residual gas flow (3, 5, 11) after each cooling step. The at least two heat exchangers (120, 130) are operated at at least two different temperature levels, wherein a hot heat exchanger (120) is operated at an average temperature level, and a cold heat exchanger (130) is operated at a lower temperature level. An internal refrigerant (15), which is made of a part (13) of one of the condensate flows (7, 8, 9) and a part (14) of one of the residual gas flows (3, 5, 11), is used to dispense a part of the heat from the cold heat exchanger (130).

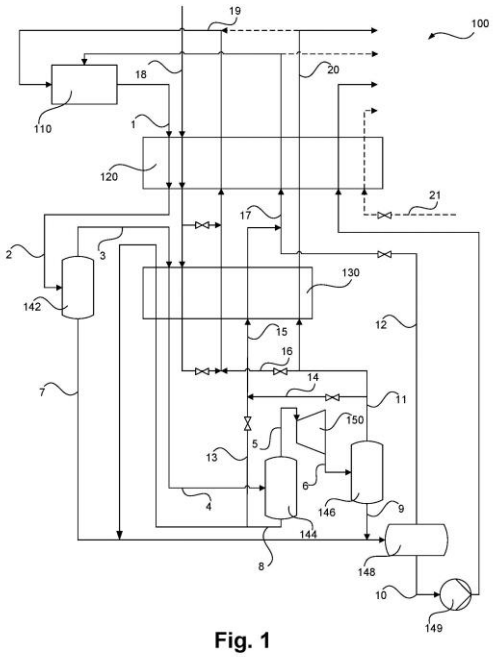


Fig. 1

21: 2023/00495. 22: 2023/01/11. 43: 2023/09/14
51: F41G G02B
71: SHELTERED WINGS, INC. d/b/a VORTEX OPTICS
72: CAMPBELL, Rick, HELTEMES, Joseph
33: US 31: 63/039,791 32: 2020-06-16

54: TURRET WITH A ZERO STOP

00: -

A turret comprises a turret screw, cam pin chassis, stop ring, and turret cap. The cam pin chassis has a cam pin extending from the chassis parallel with the axis and is linear moveable within the chassis. The stop ring has a first surface and a second surface comprising a spiral groove terminating at first and second stop surfaces. The cam pin engages the spiral groove. The screw extends through central bores of each of the turret cap, stop ring, and cam pin chassis such that they have a common rotational axis. A rotational limit of the turret is defined by one of the first and second stop.

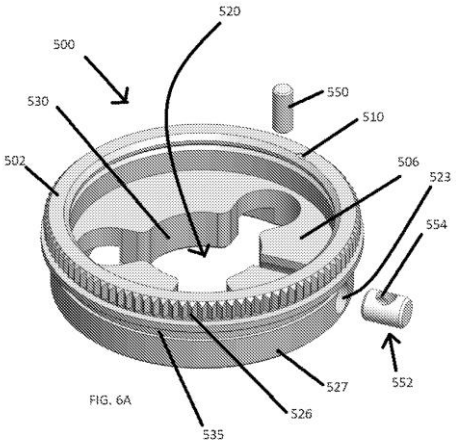
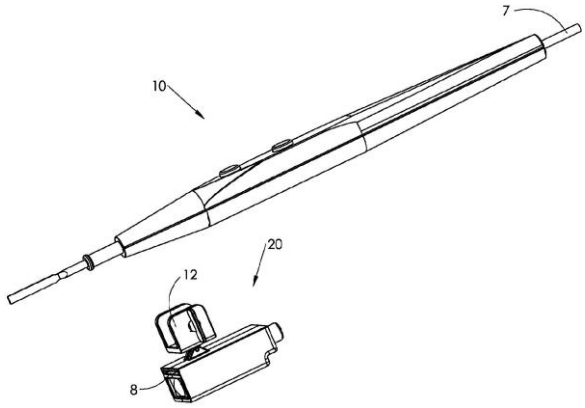


FIG. 6A

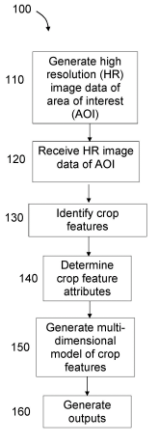
21: 2023/00503. 22: 2023/01/11. 43: 2023/08/31
51: A61B; F21V
71: Pathy Medical, LLC
72: KLEYMAN, Gennady, SILVER, Mikiya, PATHY, Vinod V.
33: US 31: 16/918,449 32: 2020-07-01
54: LIGHTING DEVICE FOR HANDHELD SURGICAL INSTRUMENT WITH SMOKE EVACUATION SYSTEM
00: -
A lighting device for attachment to a handheld electrosurgical instrument is disclosed, which includes an elongated housing having opposed proximal and distal end portions and defining an interior chamber containing a battery powered lighting assembly for illuminating a surgical site, the housing having a smoke evacuation tube associated therewith for removing smoke generated at the surgical site, wherein the smoke evacuation tube is adapted and configured to extend and retract relative to the distal end portion of the housing to accommodate different length end effectors associated with the handheld electrosurgical instrument.



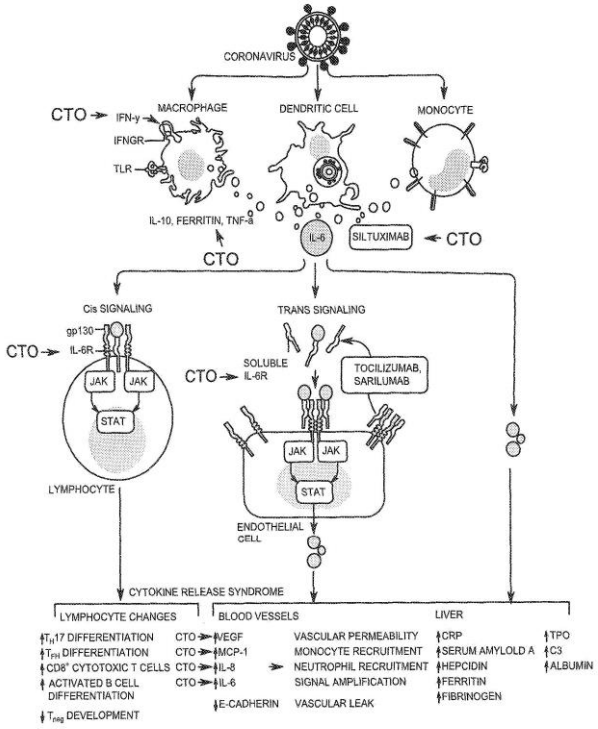
21: 2023/00599. 22: 2023/01/13. 43: 2023/08/15
51: C08G; C08L
71: BIO BOND APS
72: BECHGAARD , Tobias, Kjær, STRIDE, Camilla, Borregaard, JENSEN, Martin
33: EP 31: EP20020330 32: 2020-07-20
54: BIO-BASED PLASTICISER FOR RESINS AND BLENDS CONTAINING SAID PLASTICISER
00: -
The present invention relates to a family of preferably bio-based plasticisers and resins containing said plasticisers. The disclosed plasticisers belong to the poly (ester ether) family. Resins containing the plasticisers exhibit a broad range of applicability in terms of suitable processing techniques and utilisation for final products.

21: 2023/00610. 22: 2023/01/13. 43: 2023/09/13
51: A01B; G06K; G06Q
71: Dark Horse Technologies Ltd
72: BAINBRIDGE, Jared, WHITTLE, Grant
33: GB 31: 2009146.8 32: 2020-06-16
54: SYSTEM AND METHOD FOR CROP MONITORING
00: -
Disclosed is a method of automated crop monitoring based on the processing and analysis of a large number of high resolution aerial images that map an area of interest using computer vision and machine learning techniques. The method comprises receiving 120 or retrieving image data containing a plurality of high resolution images of crops in an area of interest for monitoring, identifying 130 one or more crop features of each crop in each image, determining 140, for each identified crop feature, one or more crop feature attributes, and generating or determining 160 one or more crop monitoring

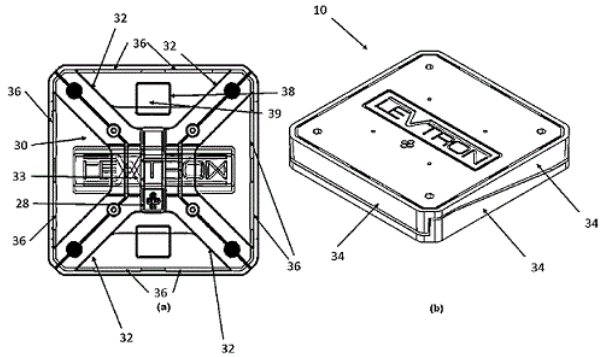
outputs based, at least in part, on the crop features and crop feature attributes. Also disclosed is a method generating field camera specific training data for the machine learning model used to analyse the received image data.



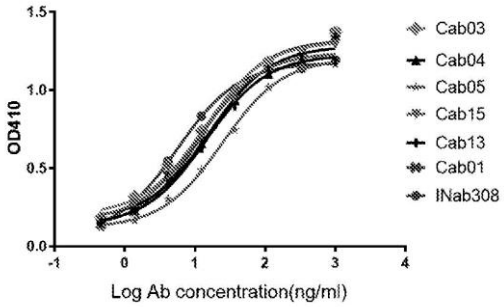
21: 2023/00872. 22: 2023/01/19. 43: 2023/08/31
51: A61K; A61P
71: Tactical Therapeutics, Inc.
72: KARMALI, Rashida
33: US 31: 16/985,789 32: 2020-08-05
54: METHODS AND COMPOSITIONS FOR TREATING SARS-COV-2 INFECTION USING CARBOXYAMIDOTRIAZOLE OROTATE
00: -
This invention provides compositions and methods for treatment of mild, moderate and severe stages of SARS-CoV-2 infection, particularly COVID-19 disease caused by wild type and mutant strains of SARS-CoV-2 using 5-amino-1-(4-(4-chlorobenzyl)-1,2,3- triazole-4-carboxamide orotate. Carboxyamidotriazole orotate (CTO) alone or in combination with other therapeutics in standard of clinical care are useful for directing antiviral effects and host-directed antiviral effects against wild type and mutant strains of SARS-CoV-2 throughout the viral life cycle.



21: 2023/00960. 22: 2023/01/23. 43: 2023/08/31
51: G01G
71: CASILLO, Andrea, Vincenzo, CASILLO, Fabio, Anastasio, PIRES, Louis, Pedro, BONEHILL, Marc, Ian
72: CASILLO, Andrea, Vincenzo, CASILLO, Fabio, Anastasio, PIRES, Louis, Pedro, BONEHILL, Marc, Ian
33: ZA 31: 2020/04585 32: 2020-07-24
33: ZA 31: 2020/07395 32: 2020-11-27
54: A MONITORING SYSTEM
00: -
A monitoring system (10) including a transducer arrangement in the form of a load cell (12) for converting a mass of a container (not shown) into an electrical signal, a support arrangement (14) for supporting the container and a connecting means in the form of a plurality of screws (16) for interconnecting the support arrangement (14) and load cell (12), and a transmitter (18) for transmitting the signal from the load cell (12) to a receiver (20) remote therefrom.



21: 2023/00980. 22: 2023/01/23. 43: 2023/08/31
51: A61K; A61P; C07K; C12N
71: Staidson (Beijing) Biopharmaceuticals Co., Ltd.
72: ZHU, Pingxia, LI, Zhong
33: PCT/CN 31: 2020/098081 32: 2020-06-24
54: ANTIBODIES SPECIFICALLY RECOGNIZING C5A AND USES THEREOF
00: -
The present application provides antibodies including antigen-binding fragments thereof that specifically recognizing Complement component 5a (C5a). Also provided are methods of making and using these antibodies.



21: 2023/00984. 22: 2023/01/23. 43: 2023/08/31
51: A23L; A61K; A61Q; B01J
71: Givaudan SA, IamFluidics Holding B.V.
72: FLAMMER, Benedikt Christoph, DINANT, Céline, KAMPERMAN, Tom, TAHAN LATIBARI, Sara, PARRAGA MENESES, Jenny Evelin
33: NL 31: 2026204 32: 2020-08-03
54: COSMETIC COMPOSITION COMPRISING CAPSULES
00: -
A cosmetic composition comprising a plurality of capsules and a cosmetic base is provided.

21: 2023/01087. 22: 2023/01/25. 43: 2023/09/04
51: G01R; H02M; H05B
71: ZTE Corporation
72: WANG, Qia, ZHOU, Jianping, LIN, Guoxian, FAN, Shanshan, E, Ben, ZHANG, Wei, LIU, Mingming
33: CN 31: 202010602401.X 32: 2020-06-28
54: RIPPLE DETECTION APPARATUS AND RIPPLE SUPPRESSION APPARATUS
00: -
The present application relates to the technical field of power electronics, and provides a ripple detection apparatus and a ripple suppression apparatus. The ripple detection apparatus comprises a ripple sampling unit, at least two direct current (DC) sampling units, and a digital signal processing unit. The ripple sampling unit is configured to output to the digital signal processing unit a first voltage signal of an output port of a non-isolated DC/DC bidirectional energy conversion unit. The DC sampling units are configured to output to the digital signal processing unit a first DC signal in a second voltage signal of the port, of the connected non-isolated DC/DC bidirectional energy conversion unit, to which the DC sampling units are connected. An alternating current signal in the second voltage signal is blocked from being output to the digital signal processing unit. The digital signal processing unit is configured to determine a ripple noise signal of the output port of the non-isolated DC/DC bidirectional energy conversion unit according to the first voltage signal and the first DC signal.

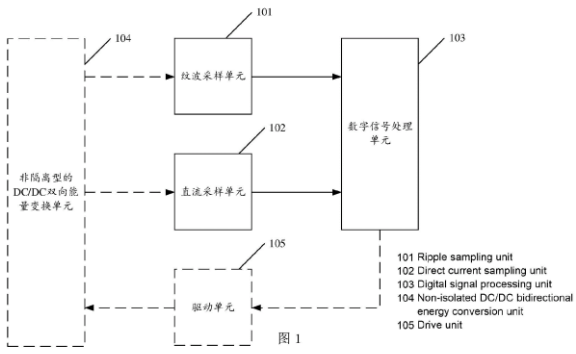


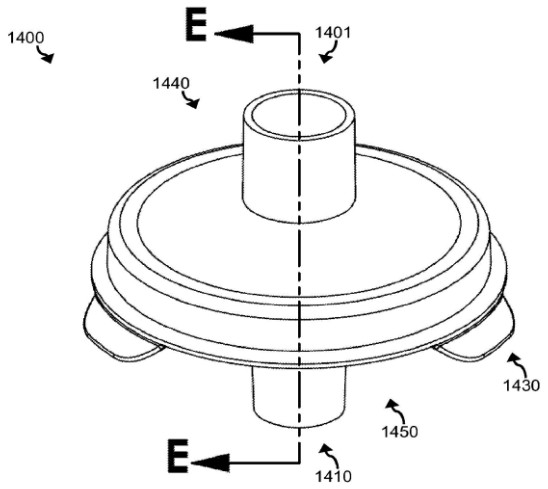
图 1

21: 2023/01150. 22: 2023/01/27. 43: 2023/09/11
51: B01D
71: Vayu Global Health Innovations, LLC
72: DUNDEK, Michelle, PREMKUMER, Akash, NG, Ellie, BURKE, Thomas
33: US 31: 63/063,693 32: 2020-08-10

54: GAS FILTER HOUSING WITH REPLACEABLE GAS FILTER MEDIA FOR MEDICAL VENTILATION SYSTEMS

00: -

A medical breathing gas filter housing includes a first housing body including a first port, and a second housing body including a second port. The gas filter housing is configurable between a closed state and an open state. In the closed state, the first housing body is snap fit to the second housing body such that first and second interior sides of the first and second housing bodies, respectively, define a cavity, the cavity sized to receive a replaceable gas filter media. In the open state, the first housing body is separated from the second housing body to provide access to the cavity.

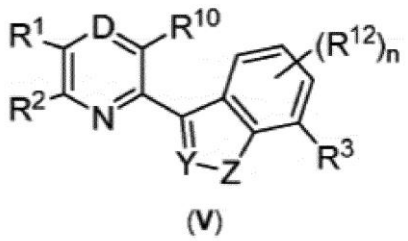


21: 2023/01275. 22: 2023/01/31. 43: 2023/08/21
51: A61K; C07D; A61P
71: NIDO BIOSCIENCES, INC.
72: TOURE, Bakary-Barry, GALLOP, Mark Andrew, BARSANTI, Paul Andrew
33: US 31: 63/054,191 32: 2020-07-20
33: US 31: 63/113,014 32: 2020-11-12
33: US 31: 63/164,820 32: 2021-03-23

54: INDOLE COMPOUNDS AS ANDROGEN RECEPTOR MODULATORS

00: -

Provided herein are compounds of formula (V) that bind to BF3 of an androgen receptor (AR), which can modulate the AR for the treatment of Kennedy's disease.



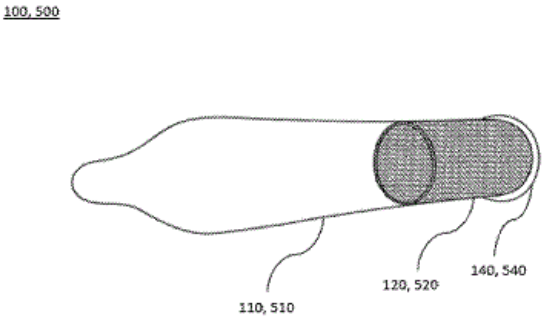
(V)

21: 2023/01534. 22: 2023/02/07. 43: 2023/09/04
51: A61F A61H
71: SHIRPURWALA, Fazle-Imdad Altaf
72: SHIRPURWALA, Fazle-Imdad Altaf
33: IN 31: 202021000672 32: 2020-07-07

54: A PERSONAL CARE DEVICE

00: -

The present invention is directed towards a personal care device. The personal care device comprises a flexible tubular body having an open end, a closed end, an inner surface, and an outer surface. The flexible tubular body is configured to at least partially cover a penis of a user, wherein the open end is configured to be positioned over a shaft of the penis and the closed end is configured to be positioned over a head of the penis, and the inner surface is configured to be contact with the penis. The personal care device also comprises an absorbent region disposed on the inner surface of the flexible tubular body such that the absorbent region is positioned on the shaft of the penis, the absorbent region has an absorbent material bonded with the inner surface.

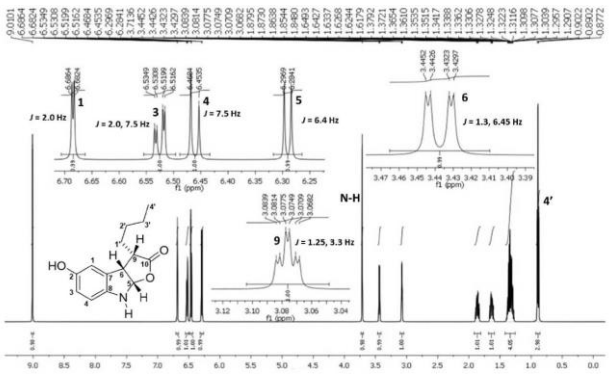


21: 2023/02072. 22: 2023/02/20. 43: 2023/09/04
51: A01N; C07D
71: AZUL NATURAL S.A. DE C.V.
72: DOMÍNGUEZ PUENTE, Jesús Alejandro, NARVAEZ MASTACHE, José Manuel, ANDRADE MELCHOR, Rosa Laura
33: MX 31: MX/a/2020/007930 32: 2020-07-27

54: INDOLE ALKALOID WITH FUNGICIDAL EFFECT

00: -

The present invention provides a compound of formula I, which has a marked fungicidal effect against phytopathogenic fungi that infest commercial crops. The invention also provides fungicidal compositions comprising the compound of formula (I) and a method for synthesising the compound.



21: 2023/02084. 22: 2023/02/20. 43: 2023/08/29
51: A61K; A61P; C07K
71: F. Hoffmann-La Roche AG
72: BECKMANN, Roland, FENN, Sebastian, HARTMANN, Guido, IMHOF-JUNG, Sabine, JENSEN, Kristian Hobolt, MOELLEKEN, Joerg, MOLHOJ, Michael, SCHANTZ, Christian, SPECK, Janina, ULLMER, Christoph, WEISER, Barbara
33: EP(CH) 31: 20194610.0 32: 2020-09-04

54: ANTIBODY THAT BINDS TO VEGF-A AND ANG2 AND METHODS OF USE

00: -

The present invention relates to anti-VEGF-A/anti-ANG2 antibodies, e.g. in the form of a bispecific Fab fragment, and methods of using the same.

21: 2023/02087. 22: 2023/02/20. 43: 2023/08/29
51: A61K
71: Vitrobio SAS, SHRIVASTAVA, Léa, SHRIVASTAVA, Rémi
72: SHRIVASTAVA, Ravi, SHRIVASTAVA, Léa, SHRIVASTAVA, Rémi

54: DUAL ACTING POLYMERS IN AN OSMOTIC FILM FOR TOPICAL APPLICATION TO TREAT INFLAMMATORY DISEASES AND CYTOKINE RELEASE SYNDROME

00: -

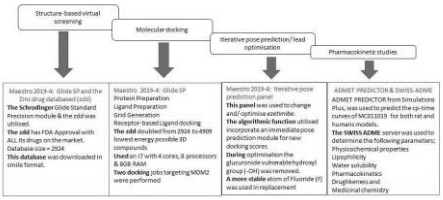
The invention relates to methods and compositions for the prevention and the treatment of topical inflammatory diseases and their consequences, in particular CRS. The compositions for topical use of the invention comprise dual acting polymers that are bound to glycerol and able to further bind to at least one pro-inflammatory compound.

21: 2023/02151. 22: 2023/02/21. 43: 2023/08/29
51: A61K; A61P; C07D
71: UNIVERSITY OF SOUTH AFRICA
72: NTWASA, Monde, TWALA, Charmy, Starnod
33: ZA 31: 2020/04811 32: 2020-08-04

54: MODIFIED EZETIMIBE DRUG FOR CANCER TREATMENT

00: -

The invention discloses a novel compound of Formula (I) or a pharmaceutically acceptable salt thereof that binds tightly to a hydrophobic binding pocket of Mdm2, preventing binding of Mdm2 to the tumour suppressor p53 and increasing p53 levels. It further discloses the use of the compound or a pharmaceutically acceptable salt thereof to treat Mdm2 cancers and its use in the manufacture of a medicament.



21: 2023/02287. 22: 2023/02/22. 43: 2023/08/29
51: B01D; C07C
71: Linde GmbH
72: PESCHEL, Andreas
33: EP(DE) 31: 20020393.3 32: 2020-08-31

54: METHOD AND PLANT FOR PREPARING DIMETHYL ETHER

00: -

Proposed is a method for preparing dimethyl ether (abbreviation: DME) from synthesis gas, wherein an input (c), which is formed using shifted and/or non-shifted synthesis gas (b), undergoes a catalytic conversion, thereby forming a product stream (d). The product stream (d) undergoes a first separation, wherein a gas mixture (k) is formed by at least partial separation of methanol and/or water from the product stream (d) and the gas mixture (k) is partially condensed at a first pressure level by means of cooling from a first to a second temperature level. A portion (s) of the gas mixture (k) remaining in

gaseous form at the second temperature level is washed in an absorption column (16) with a return (v) predominantly containing dimethyl ether, wherein the return (v) predominantly containing dimethyl ether is formed at least partially from a portion of the gas mixture (k) condensed during cooling. The gaseous portion (x) of the gas mixture (k) not washed out in the absorption column (16) is at least partially conveyed back into the input (c) as a recycling stream (j) and a dimethyl ether product (z) is formed using the portion (I, q, r) of the gas mixture (k) condensed during cooling. A separation plant for the separation processing of the gas mixture and a plant for carrying out the entire method according to the invention are also specified.

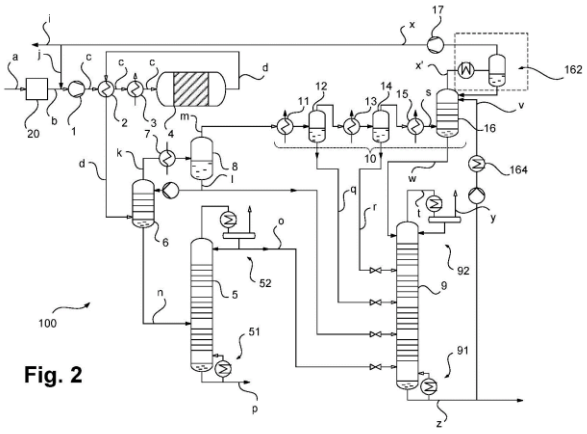
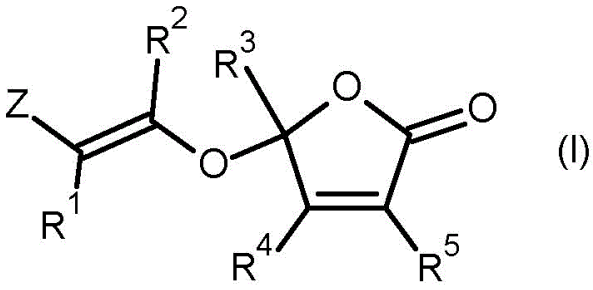


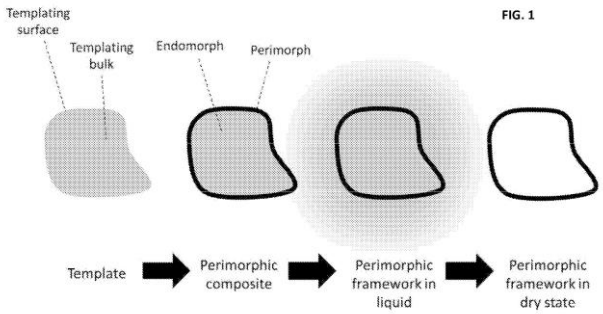
Fig. 2

21: 2023/02544. 22: 2023/02/24. 43: 2023/08/30
51: A01N; C07D
71: Syngenta Crop Protection AG
72: LACHIA, Mathilde Denise, DE MESMAEKER, Alain, LUMBROSO, Alexandre Franco Jean Camille, STAIGER, Roman
33: GB 31: 2013756.8 32: 2020-09-02
54: PLANT GROWTH REGULATOR COMPOUNDS
00: -
Compounds of formula (I) wherein the substituents are as defined in claim 1, useful as plant growth regulators and/or seed germination promoters.



(I)

21: 2023/02906. 22: 2023/02/27. 43: 2023/08/30
51: C01B; C09C
71: Dickinson Corporation
72: BISHOP, Matthew, BRILL, David, CARSTENS, Christopher, THOMAS, Abhay, WESTLE, Andrew
33: US 31: 63/075,918 32: 2020-09-09
54: SCALABLE SYNTHESIS OF PERIMORPHIC CARBONS
00: -
The present disclosure is directed to the scalable synthesis of carbonaceous perimorphic materials, including carbonaceous perimorphic frameworks, on recyclable templates, and using recyclable process liquids. The present disclosure also demonstrates novel perimorphic architectures. In particular, perimorphic frameworks comprising synthetic anthracitic networks are demonstrated. Using these methods, three-dimensional architectures constructed from grapheme carbon can be scalably produced.



21: 2023/03021. 22: 2023/02/28. 43: 2023/09/04
51: A01B; G01N
71: PIKET IMPLEMENTE (PTY) LTD.
72: VAN NIEKERK, Barend Frederik Rossouw, VAN NIEKERK, Jan Carel Horak
54: PENETROMETER
00: -
This invention relates to a soil penetrometer 10 for measuring soil compaction. The penetrometer 10 is purely mechanical and handheld. It includes an

elongate steel rod 13 with a conical tip 14, a T-shaped handle 16 with a central bore 17 for receiving the rod 13 therethrough and a compression coil spring 15 which biases the handle 16 to a rest position. During a compression stroke, the handle 16 is displaced relative to the rod 13. The penetrometer 10 is characterized in that it includes a linear gauge 20 with markings 30 to indicate pressure applied in PSI (pounds per square inch). The pressure measurement is derived from the level of linear displacement of the handle 16 relative to the rod 13 against the bias of the coil spring 15. The penetrometer 10 is a simpler and more cost-effective design than competing products on the market.

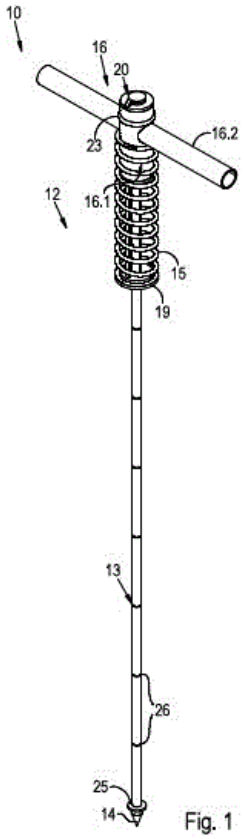
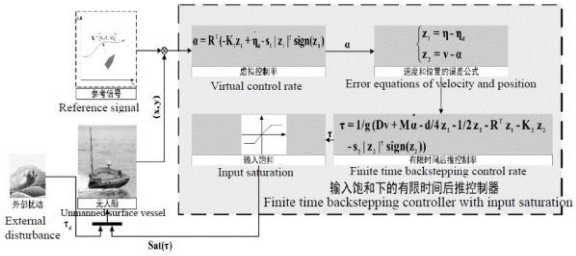


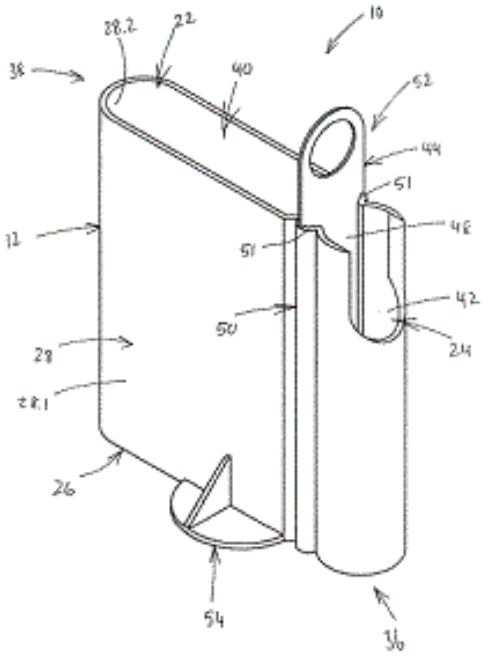
Fig. 1

21: 2023/03089. 22: 2023/02/28. 43: 2023/09/04
51: G05D
71: Dalian Maritime University
72: SHAN, Qihe, TENG, Fei, WANG, Xiaojian, LI, Shuo, MENG, Xiangkun, LIU, Xuesong, SONG, Jing, ZHANG, Xin, ZHANG, Yuxin
33: CN 31: 202210911006.9 32: 2022-07-29
54: FINITE TIME INPUT SATURATION CONTROL METHOD FOR PATH TRACKING OF UNMANNED SURFACE VEHICLE UNDER STOCHASTIC DISTURBANCE
00: -
Disclosed is a finite time input saturation control method for path following of unmanned surface vessels under stochastic disturbances, comprising the follow steps of: establishing a dynamical model of unmanned surface vessels with stochastic noise; simulating, based on a wave modeling idea, a fitting of a P-M wave spectrum by non-white noise and white noise; designing, adopting a backstepping method, a finite time backstepping controller with input saturation limit satisfying that a path following system of unmanned surface vessels reaches a following desired position and heading in finite time; and proving that, under the theoretical framework of random differential equations, the path following system of unmanned surface vessels is noise-to-state stable in probability and a state of the path following system of unmanned surface vessels is asymptotic gain in probability. The finite time backstepping controller is verified by simulation, proving the effectiveness of the designed finite time backstepping controller for the path following system of unmanned surface vessels with input saturation limit. Based on the above reasons, the present invention can be widely popularized in the field of motion control of unmanned surface vessels.

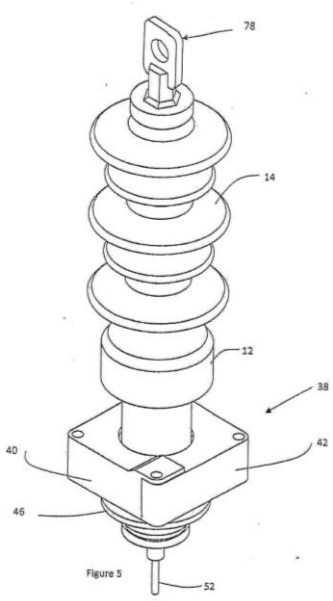


21: 2023/03157. 22: 2023/02/28. 43: 2023/09/04
51: E03D
71: JOHANNES, Hartmut, Heinrich
72: JOHANNES, Hartmut, Heinrich
33: ZA 31: 2020/05366 32: 2020-08-28
54: A DISPENSER
00: -
A dispenser (10) including a body (12) sized, shaped and configured to be received by a cistern (14) of a toilet, the body (12) defining a flow passage (16) for allowing fluid to flow therethrough, the body including a base (26) and walls (28) extending

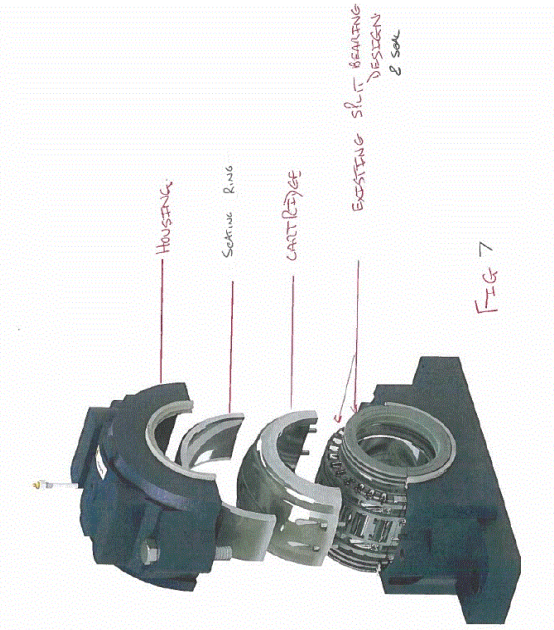
therefrom which are shaped to facilitate moulding thereof from a single mould, a receiving zone (18) defined in the passage (16) of the body (12) for receiving a dissolvable sanitiser (20) therein, and first and second openings (22) and (24) defined in the body (12) which are spaced differently from the base (26) of the body (12) so as to permit fluid to flow through the passage (16) and to be dispensed into the cistern (14) from the opening proximal the base (26) during a flushing condition of the toilet.



21: 2023/03260. 22: 2023/03/02. 43: 2023/10/18
51: H01B
71: GANELEC (PTY) LTD
72: GANDER, Eric Stewart
33: ZA 31: 2022/02541 32: 2022-03-02
54: BUSHING
00: -
A bushing which comprises a body which is made from an electrical insulating material and which has a first end and an opposed second end, a passage which extends through the body and which has a first mouth at the first end and a second mouth at the second end, and a mounting formation at a location adjacent the first end, which is configured to be fixed to a support structure e.g. a surface of a transformer housing.



21: 2023/03308. 22: 2023/03/03. 43: 2023/09/13
51: F16C
71: Bowman International Limited
72: BREEZE, Ian
33: CA 31: 3151104 32: 2022-03-04
33: US 31: 17/686,945 32: 2022-03-04
54: MOUNTING FOR BEARING ASSEMBLY
00: -
There is disclosed a bearing assembly structure, comprising: a bearing assembly comprising an outer surface having a convex profile; a seating ring having an inner surface having a concave profile, wherein the bearing is fitted within the seating such that the convex profile of the outer surface of the bearing assembly fits within the concave profile of the inner surface of the seating ring.

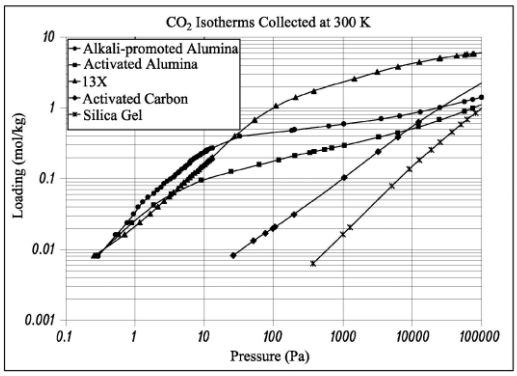


21: 2023/03326. 22: 2023/03/03. 43: 2023/09/13
51: B01D; C10K
71: Praxair Technology, Inc.
72: COLEMAN, Luke J., SWINDLEHURST, Garrett R., HELD, Katie, KIM, Kihyung, LEITMAYR, Werner
33: US 31: 63/063,679 32: 2020-08-10

54: HIGH RECOVERY PROCESS FOR PURIFICATION OF MULTICOMPONENT GASES BY PRESSURE SWING ADSORPTION

00: -

The process of the present invention provides high recovery and low capital cost giving it an economic advantage over previously known purification processes. The present process has particular applicability to the purification of synthesis gases comprising at least hydrogen (H_2), carbon monoxide (CO), methane (CH_4), CO_2, and H_2O to obtain a gas stream including at least H_2, CO, and CH_4, that is substantially free of H_2O and CO_2. The process also has applicability to the purification of natural gases inclusive of at least CH_4, N_2, CO_2, and H_2O to produce a gas stream including at least CH_4 and N_2, but which is substantially free of H_2O and CO_2.

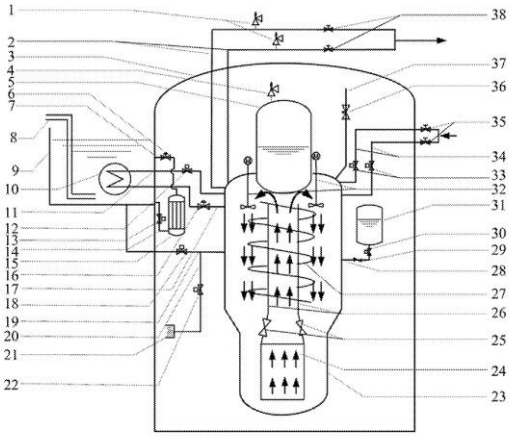


21: 2023/03352. 22: 2023/03/06. 43: 2023/09/13
51: G21C
71: Shanghai Nuclear Engineering Research & Design Institute Co., Ltd.
72: LIU, Zhan, WANG, Haitao, WANG, Guodong, YANG, Bo, CAO, Kemei
33: CN 31: 202110304905.8 32: 2021-03-17

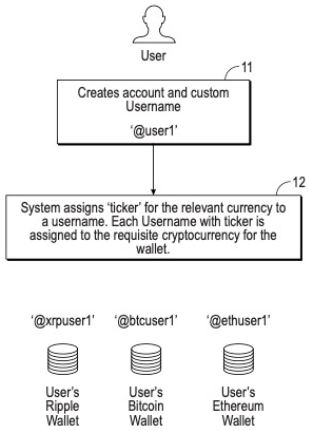
54: INTEGRATED PASSIVE REACTOR

00: -

The present application relates to an integrated passive reactor, comprising a reactor primary circuit, a containment cooling system, a residual heat removal system, and a reactor core cooling system. According to the present application, loop resistance is reduced by means of a reactor-type process design, a flow guide device is provided at a rising section of fluid to reduce the loop resistance, the rising section is shrunken to increase the arrangement space of a heat exchanger so as to further optimize system resistance, and the designs of an infinite-time passive reactor core residual heat removal system and an infinite-time passive containment cooling system are achieved. By means of the rational configuration of a pressure relief system, high-pressure safety injection is removed, and the passive reactor core cooling system is simplified. By means of the design of an auxiliary circulation device for a loss of coolant accident, the safety of a reactor core in the loss of coolant accident is further enhanced. According to the integrated passive reactor provided by the present application, safety system configuration is simplified, a safety-grade alternating-current power supply is omitted, infinite-time cooling of the reactor and the containment is achieved, intervention of an operator is not required during an accident, and the safety and economy of a power plant are improved.

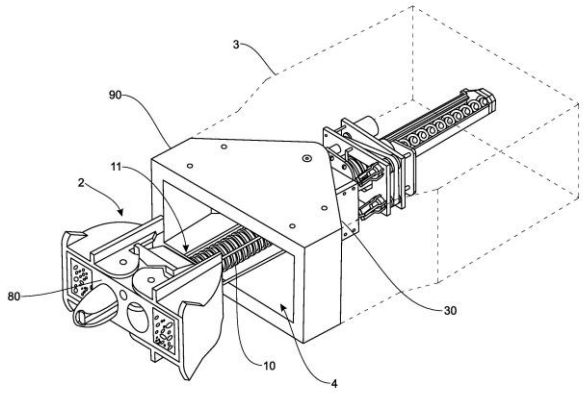


21: 2023/03370. 22: 2023/03/07. 43: 2023/09/19
51: G06Q
71: FORTUNE WALLET LABS INC.
72: EVANS, Callum
54: METHOD OF SENDING CRYPTOCURRENCIES TO A CUSTOM USERNAME ATTACHED TO A FIXED WALLET ADDRESS
00: -
A method for receiving cryptocurrency includes creating an account and a custom username for a user associated with the account; creating tickered usernames by combining a unique ticker and the custom username, each of the tickered usernames corresponding to a different type of cryptocurrency; and receiving, by the user, cryptocurrency sent to one of the tickered usernames, the cryptocurrency being of a type corresponding to the one of the tickered usernames

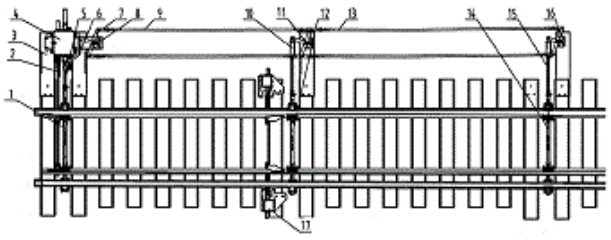


21: 2023/03388. 22: 2023/03/07. 43: 2023/09/19
51: A01N; C07D
71: WILLOWOOD CHEMICALS PRIVATE LIMITED
72: MUNDHRA, Parikshit, MOHAN, Jitendra
33: IN 31: 202011038682 32: 2020-09-08
54: SYNERGISTIC INSECTICIDAL COMPOSITION
00: -
The present invention relates to a synergistic insecticidal composition comprising Acetamiprid, Flonicamid and Pyriproxyfen, process of preparation of composition and uses thereof.

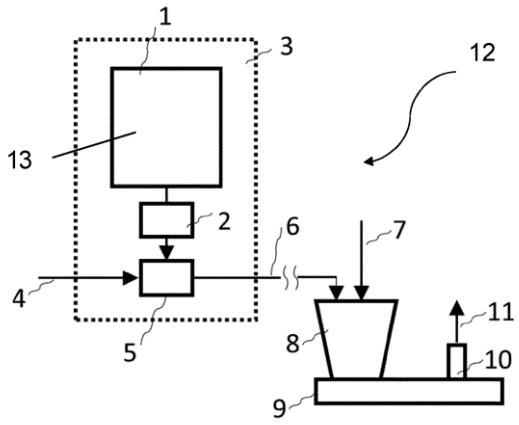
21: 2023/03452. 22: 2023/03/09. 43: 2023/09/19
51: B61G
71: KINGHORN, John Ritchie
72: KINGHORN, John Ritchie
33: GB 31: 2016999.1 32: 2020-10-27
54: EXTENDABLE COUPLER
00: -
A coupler for coupling rail vehicles together comprising: an extendable coupling body; an extending mechanism; and a support housing for mounting the coupler to a railway carriage, wherein the coupling body and the extending mechanism are mounted within the support housing, the extending mechanism being arranged to move the coupling body relative to the support housing between a retracted position and an extended position; wherein the coupling body comprises a coupling interface that is arranged to receive connections of the railway carriage for coupling to a coupling interface of a second coupler; wherein a distance between the coupling interface and the support body increases as the coupling body moves from the retracted position towards the extended position; and wherein the coupling interface is arranged to engage the coupling interface of the second coupler upon contact between the interfaces.



21: 2023/03534. 22: 2023/03/13. 43: 2023/10/03
51: B61L
71: XI'AN RAILWAY SIGNAL CO., LTD., CRSC (XI'AN) RAIL TRANSIT INDUSTRY GROUP CO., LTD.
72: MEI, JIGANG, ZOU, CHAORONG, PEI, CHENFEI, NING, ZONGXIA, WANG, PURU, TANG, YIMING, GAO, XIAOWEI, HE, JIANFENG, YANG, MANCHANG, LI, SIYU
33: CN 31: 202010833520.6 32: 2020-08-18
54: CONVERSION SYSTEM OF ONE-MACHINE MULTI-POINT TRACTION TURNOUT
00: -
A conversion system of a one-machine multi-point traction turnout, which is characterized in that: multiple groups of mounting foundations (3) are fixed at intervals on one side of a sleeper near a turnout rail traction point; multiple groups of traction mechanism points are arranged and fixed at intervals along a rail by means of the mounting foundations (3) and a turnout; and the traction mechanism points each comprise: a first outer locking mechanism (1), a second outer locking mechanism (12), a third outer locking mechanism (14), a detection rod (2), a mounting foundation (3), a point switch (4), a first installation pull rod (5), a bent pull rod (6), a first T-shaped crank arm (7), a first crank seat (5), a first connecting rod (9), a second installation pull rod (10), a second T-shaped crank (11), a second connecting rod (13), a third installation pull rod (15), a third T-shaped crank arm (16) and a close inspection device (17). The described conversion system of a one-machine multi-point traction turnout has a compact structure, and the number of point switches and control cables may be reduced for turnouts having two or more traction points.



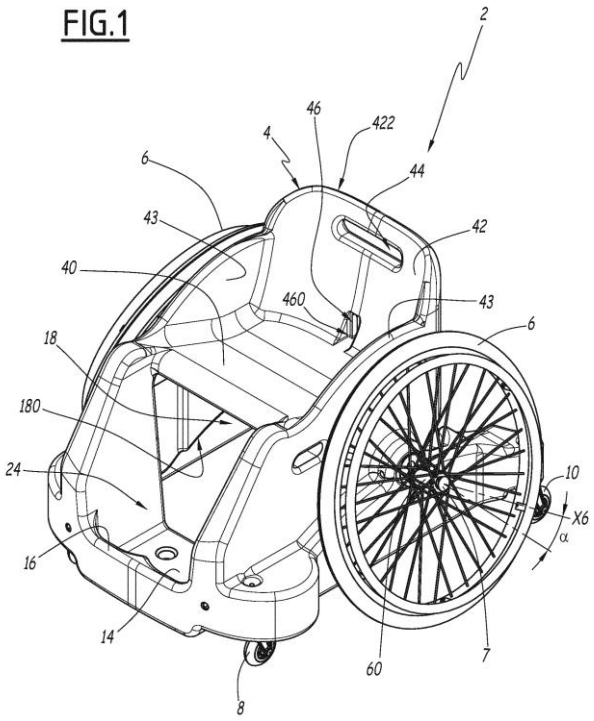
21: 2023/03721. 22: 2023/03/20. 43: 2023/09/26
51: C08F; C08J; C08K; C08L
71: LUMMUS NOVOLEN TECHNOLOGY GMBH
72: SCHWARZER, Sebastian
33: EP 31: 20200266.3 32: 2020-10-06
54: METHOD AND SYSTEM FOR FEEDING A LIQUID ORGANIC PEROXIDE TO A POLYMER MELT PROCESSING EQUIPMENT
00: -
The disclosure relates to a method and a system for feeding a liquid organic peroxide to a polymer melt processing equipment. The feeding method comprises transporting at least one liquid organic peroxide (13) in undissolved admixture with an inert liquid cooling carrier (4) from a controlled-temperature section (3) to a polymer melt processing equipment.



21: 2023/03741. 22: 2023/03/22. 43: 2023/09/26
51: A61G
71: SALVAN, Wally
72: SALVAN, Wally
33: FR 31: 2009021 32: 2020-09-04
54: VEHICLE
00: -
This vehicle (2) usable by a physically handicapped or able-bodied person, in particular for athletic or recreational activities, comprises a seat (4) made from monobloc plastic material and at least two main wheels (6), the seat (4) comprising a seat bottom (40), a backrest (42) and lateral rims (43). The seat (4) has a cavity (18) extending below the backrest (42) and the seat bottom (40) and an opening passing through the seat (4) between the cavity (18) and a rear part of the backrest (42), the cavity (18) and the opening being intended to accommodate a backrest of a seat (4) of a second identical vehicle positioned below said vehicle (2), such that at least

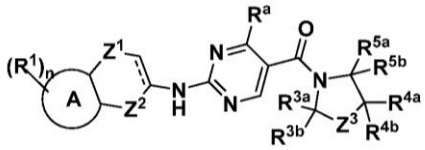
two identical vehicles (2) are stacked stably one on top of the other.

FIG.1



21: 2023/03817. 22: 2023/03/24. 43: 2023/09/26
51: A23L; A61K; C07K; A61P
71: VISCOFAN, S.A.
72: GONZÁLEZ SALAZAR, Itxaso, SORET MARTÓN, Agustín, LONGO ARESO, Carlos, María, RECALDE IRURZUN, José, Ignacio, IZCO ZARATIEGUI, Jesús, María
33: ES 31: P202030966 32: 2020-09-25
54: DRY COLLAGEN POWDER WITH SATIATING PROPERTIES AND METHOD FOR ITS PREPARATION
00: -
The invention relates to a dry collagen powder with satiating activity that can be used as a food additive or incorporated into a food product to increase its satiating power. The invention is also directed to the method of preparing the satiating powder, as well as its application in dietary and/or medical treatments in humans or animals to increase satiety and reduce the feeling of hunger and, in this way, reduce food intake. The dry collagen powder of the invention is therefore useful for combating obesity.

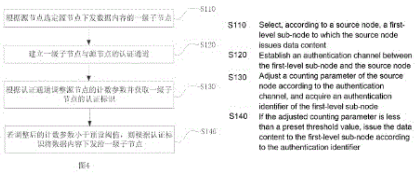
21: 2023/03913. 22: 2023/03/28. 43: 2023/09/27
51: A61K; C07D; A61P
71: SHANGHAI MEIYUE BIOTECH DEVELOPMENT CO., LTD.
72: YAO, Yuanshan, YE, Guozhong, LUAN, Linbo, CHEN, Yongkai, WANG, Chaodong
33: CN 31: 202011020721.0 32: 2020-09-25
33: CN 31: 202111095465.6 32: 2021-09-17
54: PYRIMIDINE CARBOXAMIDE COMPOUND AND APPLICATION THEREOF
00: -
Disclosed are a pyrimidine carboxamide compound and an application thereof. Further provided are a pyrimidine carboxamide compound represented by formula (I), or a tautomer, mesomer, racemate, enantiomer, or diastereomer thereof, a mixture form thereof, or a pharmaceutically acceptable salt thereof. The compound can be used as a Vanin enzyme inhibitor, and can be used to prepare a drug for treating various diseases, comprising Crohn's disease, ulcerative colitis, and so on.



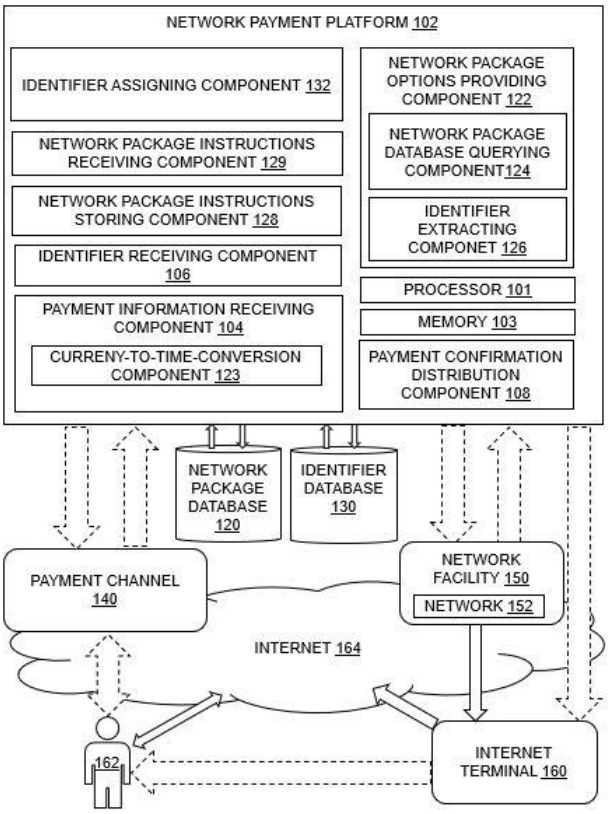
(I)

21: 2023/03914. 22: 2023/03/28. 43: 2023/09/27
51: H04L; H04N
71: SHENZHEN NATIONAL ENGINEERING LABORATORY OF DIGITAL TELEVISION CO., LTD.
72: LI, Xinguo, YU, Xiaolong, CHANG, Lin, XU, Peiqiu, XU, Linyu, GONG, Jun
33: CN 31: 202011373056.3 32: 2020-11-30
54: DATA TRANSMISSION METHOD, ELECTRONIC DEVICE AND COMPUTER-READABLE STORAGE MEDIUM
00: -
A data transmission method, an electronic device and a computer-readable storage medium are disclosed, which relate to the field of data transmission. The method is applied to a topological connection, the topological connection including a source node and first-level sub-nodes. The method includes: selecting, according to the source node, a first-level sub-node to which digital content is issued by the source node; establishing an authentication channel between the first-level sub-node and the

source node; adjusting a counting parameter of the source node according to the authentication channel, and acquiring an authentication identifier of the first-level sub-node; and issuing the digital content to the first-level sub-node according to the authentication identifier if the adjusted counting parameter is smaller than a preset threshold. According to the present application, the problem that other legal devices cannot receive the data content normally due to excessive devices or illegal devices in the topological connection can be solved.

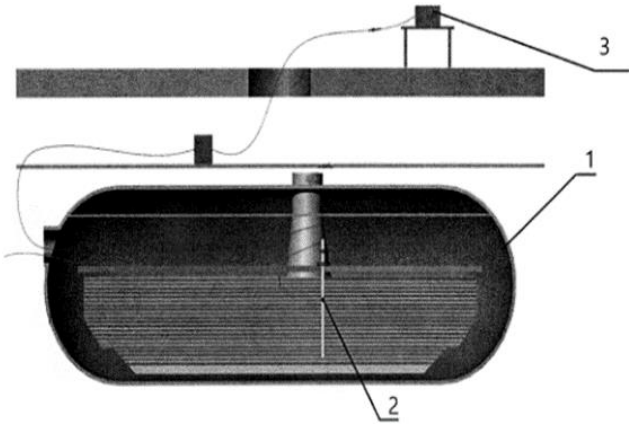


21: 2023/03923. 22: 2023/03/29. 43: 2023/09/27
51: G06F
71: FLITCH PREPAID (PTY) LTD
72: DE BRUYN, Daniel Ignatius, DE VILLIERS, Jacques Gideon
54: SYSTEM AND METHOD FOR NETWORK ACCESS PAYMENT PROCESSING
00: -
A system and method for network access payment processing are provided. The method includes assigning a unique identifier number to an internet terminal and outputting the unique identifier number for distribution to an end-user associated with the internet terminal. The method includes receiving the unique identifier number from a payment channel, the unique identifier number having been input into the payment channel by the end-user. The method includes providing network package options associated with the unique identifier number to the payment channel for output to the end-user. The method includes receiving payment information associated with the unique identifier number from the payment channel, the information including an end-user selection from the network package options. The method includes distributing a payment confirmation based on the payment information to a network facility, for the network facility to authorise and connect the internet terminal associated with the unique identifier number in accordance with the end-user selection.

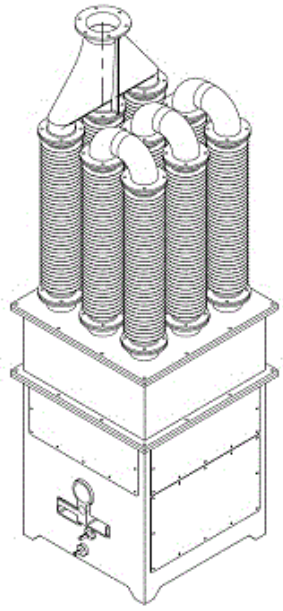


21: 2023/03970. 22: 2023/03/29. 43: 2023/09/27
51: B08B; F28G
71: JOINT STOCK COMPANY "ROSENERGOATOM", ATOMENERGOREMONT JOINT-STOCK COMPANY, LLC "KROK", SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE
72: EVSEENKO, Gennadii Vasilevich, SHCHETININ, Gennadii Nikolaevich, ROMANCHUK, Vitalii Borisovich, SALISHCHEV, Sergei Aleksandrovich
33: RU 31: 2020128922 32: 2020-09-01
54: METHOD FOR CLEANING THE HEAT EXCHANGE TUBES OF STEAM GENERATORS IN A NUCLEAR POWER STATION
00: -
The invention relates to surface cleaning of the NPP steam generator tube bundle. The method for cleaning heat exchange tubes of NPP steam generators characterized in that a hydrodynamic manipulator connected to a hoist is inserted into a vertical corridor inside a heat exchanger, taking preliminary measurements of the dose rate inside the steam generator, measuring eddy current signals and analyzing the signals received in order to

assess the condition of the walls of heat exchange tubes and the thickness of deposits thereon, determining the coordinates of a cleaning sector and calculating cleaning time and modes, ejecting a high-pressure jet of water using at least one nozzle configured to rotate around the swiveling axis, and moving the hydrodynamic manipulator according to the coordinates of the cleaning sector with the water jet set at a feed pressure of 1000 to 1500 bar and a flow rate of 100 to 150 l/min and a simultaneous video monitoring of the cleaning zone. The technical result is a shorter cleaning time and more reliable removal of deposits.



21: 2023/03993. 22: 2023/03/30. 43: 2023/09/27
51: A24B
71: CHONGQING HECHUANG GANYI TECHNOLOGY CO., LTD
72: REN, XIAOQIANG, TAN, WEI, TAN, YUMENG, ZHOU, XIAOJUN, HE, WEI
54: HEAT TRANSFER DEVICE FORMED BY CASTING
00: -
A heat transfer device formed by casting is provided. The device comprises a box; a down furnace stack fixed in the box; an up furnace stack fixed on upper end of the box and lower end of the up furnace stack is connected to the down furnace stack; at least a set of heat dissipation pipes fixed on upper end of the up furnace stack, each set of the heat dissipation pipes includes a plurality of heat dissipation pipes connected end to end to form an air duct; and a chimney connected to end of the air duct.



21: 2023/04006. 22: 2023/03/30. 43: 2023/09/27
51: G06F; G06T; G06Q
71: LIFESIZE PLANS IP PTY LTD
72: GHALEB, Christopher
33: AU 31: 2020903582 32: 2020-10-02
33: AU 31: 2021107119 32: 2021-08-25
54: A FLOORPLAN VISUALISATION SYSTEM
00: -
In one embodiment, there is provided a floorplan visualization system. The system comprises a visualization studio; a matrix of floor mounted visual display units defining a floor surface of the visualization studio; a controller computer comprising; a user interface; and a video output operably coupled to the matrix of visual display units for controlling the video displayed from such. In use, the controller computer is configures for: receiving floor plan representative data; segmenting the floor plan outputting the plurality of display segments to respective visual display units.

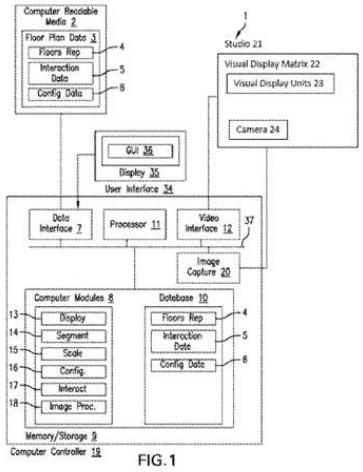
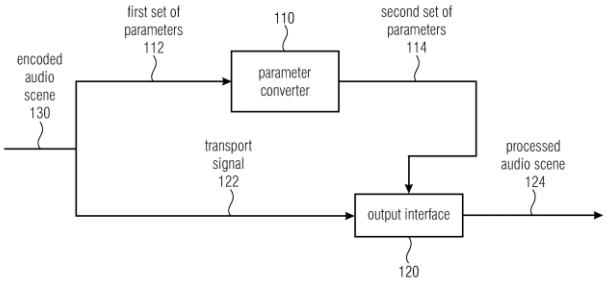


FIG.1

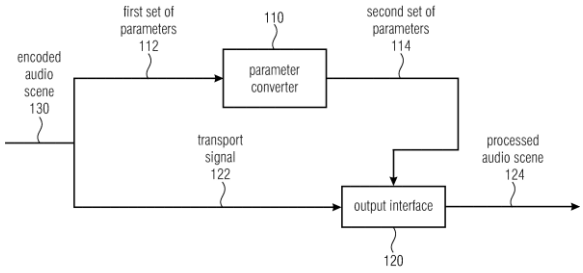
21: 2023/04040. 22: 2023/03/31. 43: 2023/09/27
51: C08J; C08K
71: LUMMUS NOVOLEN TECHNOLOGY GMBH
72: WITTNER, Manfred, RÄNTZSCH, Volker
33: EP 31: 20200272.1 32: 2020-10-06
54: METHODS FOR MODIFYING THE OPTICAL APPEARANCE OF POLYMERS
00: -
The disclosure relates to a method for modifying the optical appearance of a polymer, the method comprising extruding a molten polymer comprising polypropylene and a composition comprising acid scavengers consisting of zinc oxide and zinc carbonate.

21: 2023/04044. 22: 2023/03/31. 43: 2023/09/27
51: G10L
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
72: REUTELHUBER, Franz, FUCHS, Guillaume, MULTRUS, Markus, FOTOPOULOU, Eleni, BAYER, Stefan, BÜTHE, Jan, DÖHLA, Stefan
33: EP 31: 20201093.0 32: 2020-10-09
33: EP 31: 20207517.2 32: 2020-11-13
33: EP 31: 21180869.6 32: 2021-06-22
54: APPARATUS, METHOD, OR COMPUTER PROGRAM FOR PROCESSING AN ENCODED AUDIO SCENE USING A BANDWIDTH EXTENSION
00: -
Apparatus for processing an audio scene (130) representing a sound field, the audio scene comprising information on a transport signal (122) and a set of parameters (112;114). The apparatus comprising an output interface (120) for generating a processed audio scene (124) using the set of parameters (112; 114) and the information on the transport signal (122), wherein the output interface (120) is configured to generate a raw representation of two or more channels using the set of parameters (112; 114) and the transport signal (112; 144) and a multichannel enhancer (990) for generating an enhancement representation of the two or more channels using the transport signal (122), and a signal combiner (940) for combining the raw representation of the two or more channels and the enhancement representation of the two or more channels to obtain the processed audio scene (124).



21: 2023/04045. 22: 2023/03/31. 43: 2023/09/27
51: G10L
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
72: REUTELHUBER, Franz, FUCHS, Guillaume, MULTRUS, Markus, FOTOPOULOU, Eleni, BAYER, Stefan, BÜTHE, Jan, DÖHLA, Stefan
33: EP 31: 20201093.0 32: 2020-10-09
33: EP 31: 20207520.6 32: 2020-11-13
33: EP 31: 21180873.8 32: 2021-06-22
54: APPARATUS, METHOD, OR COMPUTER PROGRAM FOR PROCESSING AN ENCODED AUDIO SCENE USING A PARAMETER SMOOTHING
00: -
Apparatus for processing an audio scene (130) representing a sound field, the audio scene (130) comprising information on a transport signal (122) and a first set of parameters (112). The apparatus comprising a parameter processor (110) for processing the first set of parameters (112) to obtain a second set of parameters (114), wherein the parameter processor (110) is configured to calculate at least one raw parameter (252) for each output time frame (220) using at least one parameter of the first set of parameters (112) for the input time frame (210), to calculate a smoothing information (512;

522) such as a factor for each raw parameter (252) in accordance with a smoothing rule, and to apply a corresponding smoothing information (512; 522) to the corresponding raw parameter (252) to derive the parameter of the second set of parameters (114) for the output time frame (220). The apparatus further comprising an output interface (120) for generating a processed audio scene (124) using the second set of parameters (114) and the information on the transport signal (122).



21: 2023/04126. 22: 2023/04/04. 43: 2023/10/26
51: B23K; C23C; F16L; G21C
71: FRAMATOME
72: BISCHOFF, Jérémy, DUTHOO, Dominique
33: FR 31: 2010437 32: 2020-10-13
54: NUCLEAR FUEL ROD AND MANUFACTURING METHOD
00: -
The nuclear fuel rod comprises nuclear fuel contained in a cladding (4), the cladding (4) comprising a tube (6) and two plugs (8), the tube (6) extending along a central axis (A) and having two ends, each plug (8) being attached to a corresponding end of the tube (6) by sealing the end of the tube. The tube (6) is covered by a tube coating (16) extending over the entire length of the tube (16) from one end of the tube (6) to the other.

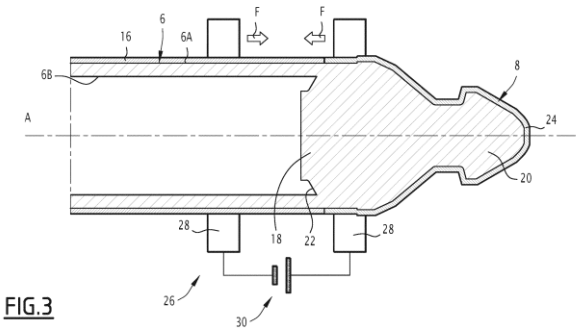
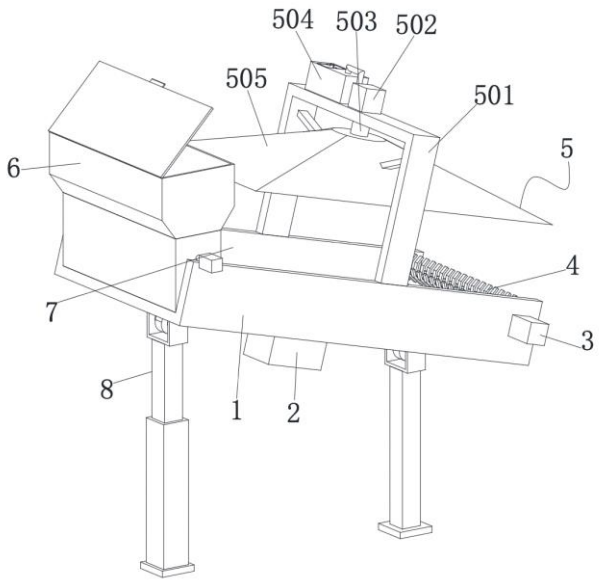
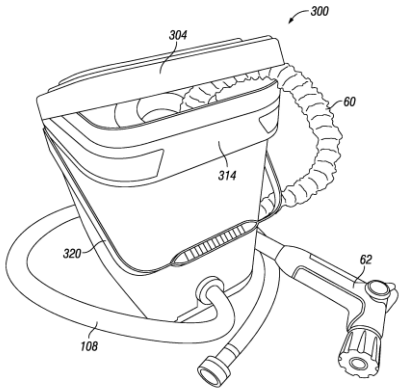


FIG.3

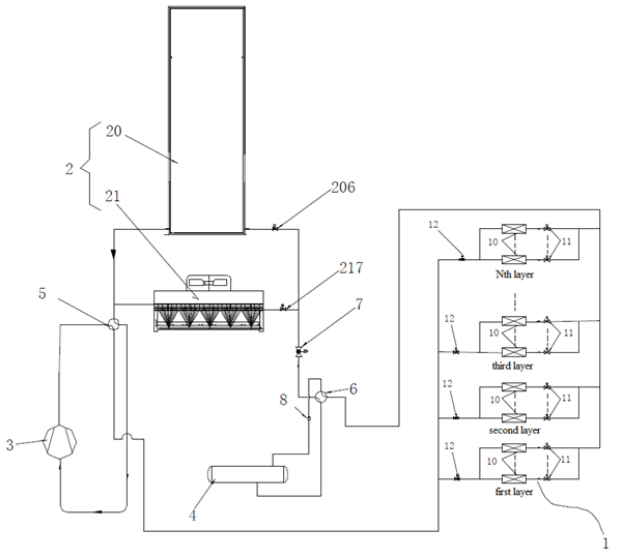
21: 2023/04127. 22: 2023/04/04. 43: 2023/10/09
51: B65G
71: WUWEI LEIDA CEMENT CO., LTD
72: Sen YAO
54: VIBRATING FEEDER FOR CEMENT PRODUCTION
00: -
The disclosure discloses a vibrating feeder for cement production, which relates to the technical field of cement production, and includes a feeding box. The feeding box is provided with a feeding tank, a regulating mechanism is provided at the lower end of the feeding box, a storage box is provided at one side of the feeding tank, and a sweeping mechanism is provided at the other side of the feeding tank; a power mechanism is provided at the position corresponding to the sweeping mechanism at the front end of the feeding box. The disclosure provides a dust removal assembly, when the feeding tank in the feeding box is feeding, the fan is turned on. The fan creates a negative pressure in the fixed bucket through the connecting pipe, and the dust generated by the feed enters the fixed bucket. The fan sends the dust into the water tank of the dust removal box through the dust delivery pipe. The water in the water tank performs preliminary treatment of the dust, and then the dust passes through the partition board, after filtering through the dinas layer and the activated carbon layer, and is discharged out of the dust removal box through the exhaust port. The dust generated by the feed can be dealed with by setting the dust removal assembly to reduce environmental pollution and physical damage to workers.



21: 2023/04128. 22: 2023/04/04. 43: 2023/10/12
51: B65H
71: J.M. Rock Family Trust
72: BUCK, Larry, Ray
33: US 31: 17/028,840 32: 2020-09-22
54: HOSE STORAGE CONTAINER
00: -
A hose storage container designed to reduce exposure of the stored hose to UV light. The container includes an enclosure unit with a removable lid, a fastening line, and a conduit. The conduit passes through the sidewall of the enclosure and is comprised two threaded points, one on each end of the conduit, and the connection between them. The conduit is constructed of a UV resistant material and serves to increase protection of the hose from UV light and other elements.



21: 2023/04153. 22: 2023/04/04. 43: 2023/10/12
51: F24F; F25B
71: BEIJING JINGKELUN ENGINEERING DESIGN AND RESEARCH INSTITUTE CO., LTD.
72: YANG, Jianguo, ZHOU, Chengjun, XIE, Weibo, WANG, Quanjiang, KANG, Jianhui, ZHANG, Jilong, ZHAO, Hui, HAO, Lixuan, MAO, Tongqin, CAO, Wenjie, CHAO, Haiying, ZENG, Xianting, LI, Junzeng
33: CN 31: 202110080757.6 32: 2021-01-21
54: RADIATION HEAT DISSIPATION AND RADIATION HEAT COLLECTION-BASED COLD AND HOT CENTRAL AIR CONDITIONING SYSTEM
00: -
A radiation heat dissipation and radiation heat collection-based cold and hot central air conditioning system, comprising a compressor (3), a liquid storage device (4), an indoor unit (1) and an outdoor unit (2) connected in sequence, wherein the outdoor unit (2) comprises a radiation heat collector (20); the radiation heat collector (20) comprises a protective plate (200), a heat absorption plate (201), and a plate core (202); the heat absorption plate (201) is located between the plate core (202) and the protective plate (200); the plate core (202) comprises a heat exchange medium inlet end (204) and a heat exchange medium outlet end (205); and the heat absorption plate (201) is used for transferring absorbed heat to a heat exchange medium circulating in the plate core (202). The heat absorption plate (201) collects heat, and then transfers the heat to the heat exchange medium flowing in the plate core (202); and the heat exchange medium carrying the heat is compressed by the compressor (3), and then enters the indoor unit (1) for heat exchange. As long as the radiation heat collector (20) is equipped with light of the corresponding wavelength and a temperature difference, the radiation heat collector (20) can collect heat by means of optical radiation or temperature difference radiation.

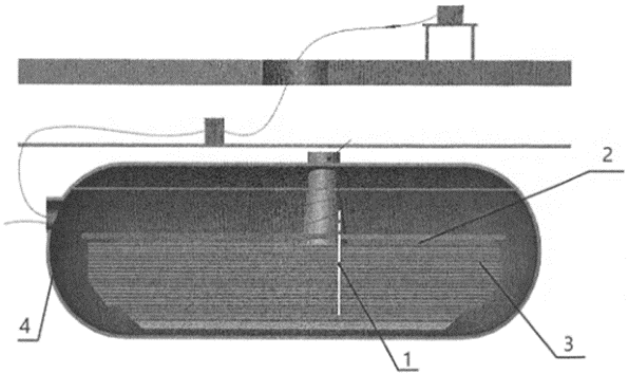


21: 2023/04179. 22: 2023/04/05. 43: 2023/10/12
51: B08B; F28G
71: JOINT STOCK COMPANY "ROSENERGOATOM", ATOMENERGOREMONT JOINT-STOCK COMPANY, LLC "KROK", SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE
72: SHCHETININ, Gennadii Nikolaevich, ROMANCHUK, Vitalii Borisovich, SALISHCHEV, Sergei Aleksandrovich, EVSEENKO, Gennadii Vasilevich
33: RU 31: 2020131368 32: 2020-09-23

54: DEVICE FOR CLEANING HEAT EXCHANGE TUBES OF A STEAM GENERATOR OF A NUCLEAR POWER PLANT

00: -

The invention relates to cleaning of tube bundle of NPP steam generator. The device for cleaning heat exchange tubes of NPP steam generator comprising a manipulator, which is installed to be moved and fixed in a vertical corridor between bundles of heat exchange tubes; a nozzle that is installed on the manipulator and is in the form of a head of injectors connected to a pipeline for supplying high-pressure water jets; and means for remote control and video monitoring, wherein the manipulator is equipped with a body, which is installed on a guiding mounting frame and is connected to a base; a drive for main rotational movement located on the body; a post which is connected to the body and is in the form of a hollow column; a drive for auxiliary movement which is fixed on the post, an elbow which is connected to the post and is in the form of a tube having a gear rack, and an elbow of actuating units and a coordinate head. The technical result is a shorter cleaning time and more reliable removal of deposits.

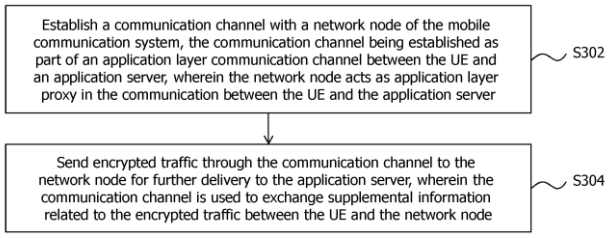


21: 2023/04213. 22: 2023/04/06. 43: 2023/10/12
51: H04L; H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: IHLAR, Marcus, MUÑOZ DE LA TORRE ALONSO, Miguel Angel, SANCHEZ VEGA, Veronica, SARKER, Zaheduzzaman
33: EP 31: 20382915.5 32: 2020-10-20

54: TECHNIQUE FOR ENABLING EXPOSURE OF INFORMATION RELATED TO ENCRYPTED COMMUNICATION

00: -

A technique for enabling exposure of information related to encrypted communication between a User Equipment, UE, and an application server in a mobile communication system is disclosed. A method implementation of the technique is performed by the UE and comprises establishing (S302) a communication channel with a network node of the mobile communication system, the communication channel being established as part of an application layer communication channel between the UE and the application server, wherein the network node acts as application layer proxy in the communication between the UE and the application server, and sending (S304) encrypted traffic through the communication channel to the network node for further delivery to the application server, wherein the communication channel is used to exchange supplemental information related to the encrypted traffic between the UE and the network node.



21: 2023/04216. 22: 2023/04/06. 43: 2023/10/12
51: G21C
71: FRAMATOME
72: FAYARD, Amaury, TELLJOHANN, Axel
33: EP 31: 20306260.9 32: 2020-10-22
54: SYSTEM AND METHOD FOR INSPECTING NUCLEAR FUEL PELLETS
00: -
The inspection system comprises a supporting device (20) for supporting the fuel pellet(s) (4) such that the pellet axis (A) of each fuel pellet (4) coincides with a reference axis (B), and an optical measuring device (40) arranged for optically measuring the fuel pellet(s) (4), the optical measuring device (40) comprising a light emitter (42) configured for emitting a light beam propagating along an optical axis (C) and a light detector (46) arranged for receiving the light beam (44), wherein each fuel pellet (4) interrupts the light beam (44) and generates a shadow projected on the light detector (46), the optical measuring device (40) comprising a measuring module (48) configured for analyzing the shadow for detecting possible defects on the end faces (10) and/or the lateral face (8) of each fuel pellet (4).

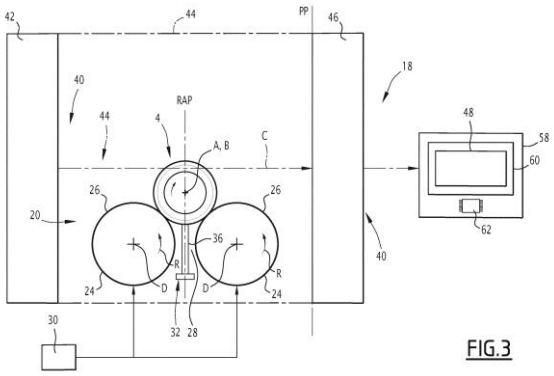
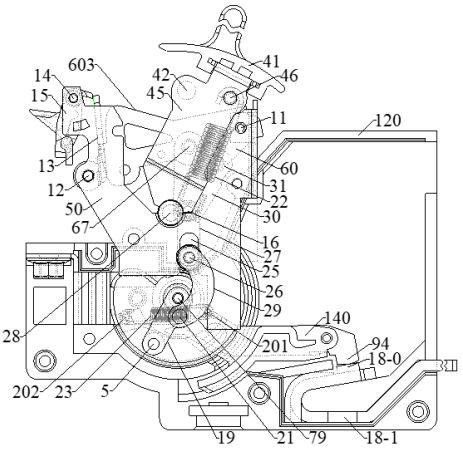


FIG.3

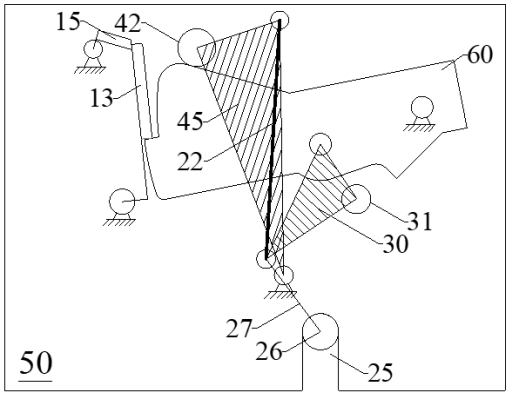
21: 2023/04238. 22: 2023/04/06. 43: 2023/10/12
51: A01H; C07K; C12N; C12Q
71: INSTITUTE OF CROP SCIENCES, CHINESE ACADEMY OF AGRICULTURAL SCIENCES
72: ZHOU, Wenbin, LI, Xia, WEI, Shaobo
33: CN 31: 202110259877.2 32: 2021-03-10
33: CN 31: 202110360014.4 32: 2021-04-02
54: PROTEINS AND BIOLOGICAL MATERIALS RELATED TO RICE (*Oryza sativa* L.) YIELD, AND USE THEREOF IN RICE YIELD INCREASE
00: -
The invention discloses proteins and biological materials related to rice (*Oryza sativa* L.) yield, and use thereof in increasing rice yield. The protein related to rice yield disclosed by the invention is OsDREB1C having SEQ ID NO: 1 in the Sequence Listing as its sequence, and having SEQ ID NO: 2 in the Sequence Listing as its coding gene sequence. Experiments have demonstrated that OsDREB1C and the associated biological materials thereof of the invention can enhance the photosynthetic efficiency of a plant, promote nitrogen uptake and transport and increase the nitrogen content in the plant and in its grains, promote earlier heading, and improve yield. The OsDREB1C and the associated biological materials thereof of the invention are of great biological significance and industrial value, and find bright prospects for application. In addition, the haplotype Hap.3 discovered by the invention based on *OsDREB1C* has excellent traits that increase yield, and finds bright prospects in application to genetic breeding of rice and cultivar modification.

21: 2023/04239. 22: 2023/04/06. 43: 2023/10/12
51: H01H
71: CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
72: AO, Denggui, FU, Hao, XU,Yongfu
33: CN 31: 202110355214.0 32: 2021-04-01
54: OPERATING MECHANISM OF CIRCUIT BREAKER, AND CIRCUIT BREAKER
00: -
The present invention relates to the field of low-voltage electric appliances, in particular to an operating mechanism of a circuit breaker. The operating mechanism is provided with a dual-slider mechanism, wherein a first slider mechanism includes a first crank, a first connecting rod, slide rails and a slider; and a second slider mechanism includes a contact support, a second connecting rod, the slide rails and the slider. The dual-slider mechanism reduces a space requirement of the

operating mechanism while increasing an opening distance of a moving contact, and has a good breaking performance. The present invention further relates to a circuit breaker including the operating mechanism, and the circuit breaker has a good breaking performance.

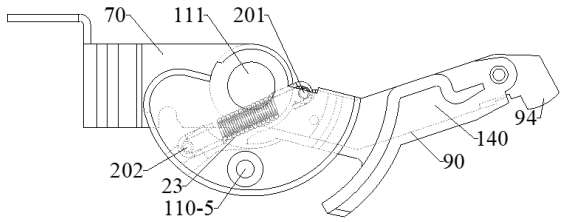


21: 2023/04240. 22: 2023/04/06. 43: 2023/10/12
51: H01H
71: CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
72: AO, Denggui, YAN, Lijun, LU, Dengyu, FU, Hao
33: CN 31: 202110355281.2 32: 2021-04-01
54: OPERATING MECHANISM OF CIRCUIT BREAKER
00: -
The present invention relates to the field of low-voltage electrical appliances, and more particularly to an operating mechanism of a circuit breaker. The operating mechanism includes a bracket, a rocker arm assembly, a jump buckle, a latch, a re-buckle, a first crank, a first spring and a first connecting rod, wherein the jump buckle is in latching fit with the latch, and the re-buckle is in limiting fit with the latch; one end of the first crank is pivotally disposed on the jump buckle around a first axis, and the other end of the first crank is rotatably connected to one end of the first connecting rod around a second axis; the rocker arm assembly is driving fit with the first crank through the first spring; and the operating mechanism further includes slide rails disposed on the bracket and a slider slidably disposed on the slide rails, wherein the slider is rotatably connected to the other end of the first connecting rod, and the slider is in driving fit with a moving contact mechanism of the circuit breaker. The operating mechanism of the circuit breaker of the present invention can achieve disconnecting, closing and tripping operations independently.

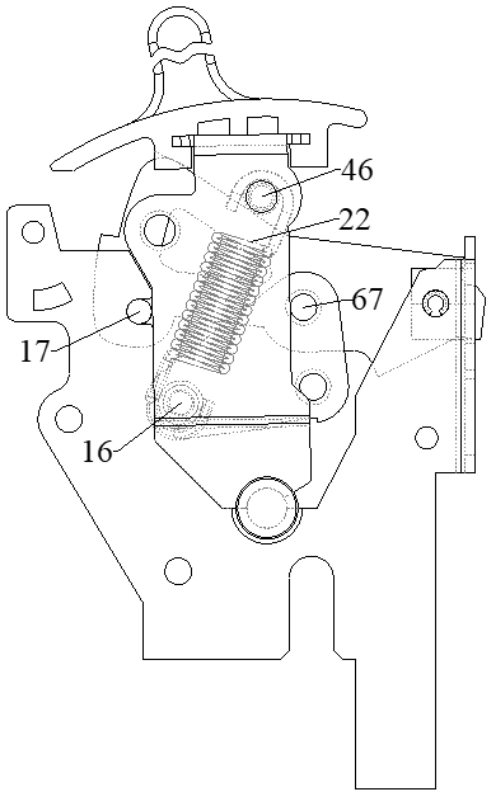


21: 2023/04241. 22: 2023/04/06. 43: 2023/10/12
51: H01H
71: CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
72: AO, Denggui, YAN, Lijun
33: CN 31: 202120677214.8 32: 2021-04-01
54: MOVING CONTACT MECHANISM
00: -
The present invention relates to the field of low-voltage electric appliances, and more particularly to a moving contact mechanism. A contact support of the moving contact mechanism is disposed to rotate around a third axis, a moving contact is pivotally disposed around a contact axis, and both ends of the contact spring are a third end of the spring and a fourth end of the spring, respectively, which are rotatably connected to the moving contact and the contact support respectively. A geometric axis of the contact spring is a second axis line. The second axis line is located on one side of the third axis when the moving contact is normally switched on or off, and the contact spring keeps the moving contact in a normally switched-on position or a normally switched-off position. The moving contact rotates relative to the contact support when the moving contact is repelled by an electric repulsion force generated by a short-circuit current; and the moving contact drives the contact spring to rotate around the fourth end of the spring, so that the second axis line swings to the other side of the third axis, and the moving contact remains in a temporary breaking position. The moving contact mechanism of the present invention has a simple structure, and the

contact spring can achieve the locking of the moving contact.

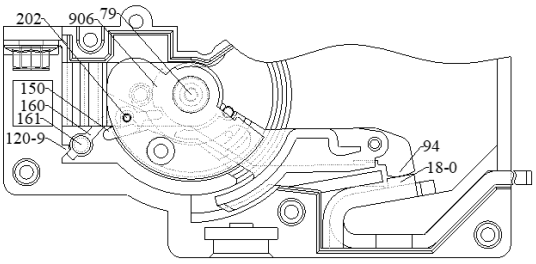


21: 2023/04242. 22: 2023/04/06. 43: 2023/10/19
51: H01H
71: CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
72: AO, Denggui, YAN, Lijun, FU, Hao, XU,Yongfu
33: CN 31: 202110355527.6 32: 2021-04-01
54: OPERATING MECHANISM OF CIRCUIT BREAKER AND ASSEMBLING METHOD
00: -
The present invention relates to the field of low-voltage electrical appliances, in particular to an operating mechanism of a circuit breaker, wherein two ends of a first spring are rotationally connected to a rocker arm assembly and a first crank through a first spring shaft and a second spring shaft respectively, and one end of a jump buckle is rotationally connected to a bracket and is a jump buckle pivoting end; a jump buckle hole of the jump buckle is aligned with a bracket hole of the bracket; the first spring shaft is in limiting fit with the jump buckle; and one end of the first crank swings in a direction away from the jump buckle pivoting end, such that a spacing between the first spring shaft and the second spring shaft is smaller than or equal to the length of the first spring, and a first assembly state is formed. According to the operating mechanism of the present invention, the first spring is assembled conveniently. The present invention further relates to an assembling method of the operating mechanism, which is simple in assembling operation and high in efficiency.

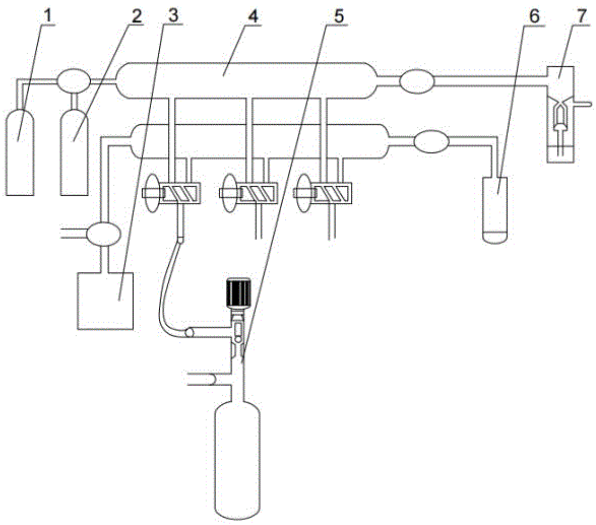


21: 2023/04243. 22: 2023/04/06. 43: 2023/10/12
51: H01H
71: CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
72: AO, Denggui, FU, Hao, XU,Yongfu
33: CN 31: 202110357139.1 32: 2021-04-01
54: QUICK TRIPPING DEVICE AND CIRCUIT BREAKER
00: -
The present invention relates to the field of low-voltage electric appliances, and more particularly to a quick tripping device. A moving contact mechanism of the quick tripping device includes a contact support and a moving contact. An operating mechanism is in driving connection with the moving contact mechanism, so that the moving contact and a static contact are switched on or off. The quick tripping device further includes a first push rod pivotally disposed on the contact support, wherein a first push rod driven end of the first push rod is in driving fit with the moving contact, a driving gap is formed between the first push rod driven end and the moving contact, and a first push rod driving end of the first push rod is in driving fit with the operating mechanism to trip the operating mechanism. When the moving contact is electrically repelled by a short-

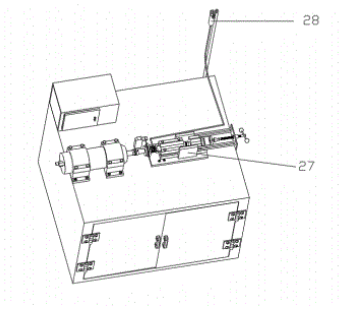
circuit current, the moving contact rotates relative to the contact support, and the moving contact rotates through the driving gap, then contacts with the first push rod driven end and drives the first push rod to rotate, so that the operating mechanism is tripped. According to the quick tripping device, the driving gap of the quick tripping device avoids misoperation of the quick tripping device. The present invention further relates to a circuit breaker including the quick tripping device which avoids misoperation of the circuit breaker.



21: 2023/04253. 22: 2023/04/11. 43: 2023/10/17
51: G01N
71: Leshan Normal University
72: CHEN, Qiao, TIAN, Chong, SUN, Guofeng, CHEN, Jiaxuan, CHEN, Fengzheng
54: DEVICE FOR DETERMINING MOLECULAR WEIGHT OF HIGH POLYMER
00: -
The present invention discloses a device for determining the molecular weight of a high polymer. The device includes a CO gas cylinder, a nitrogen cylinder, a vacuum pump, a double-row tube, a pressure resistant reaction flask, a vacuometer and a bubbler. The device can determine the number-average molecular weight Mn of an insoluble and infusible methylene arene high polymer obtained by polycondensation of monochloromethylenearene ArCH2Cl and a mixture thereof catalyzed by a CO/Lewis acid concerted catalytic system, which cannot be measured by a conventional method, and is suitable for determining high polymers with the number-average molecular weight Mn less than or equal to 3×104. When the molecular weight of the high polymer exceeds this range, the relative error is relatively big.

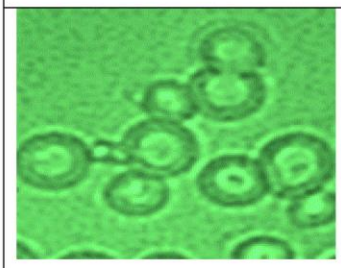
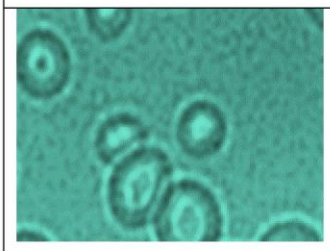
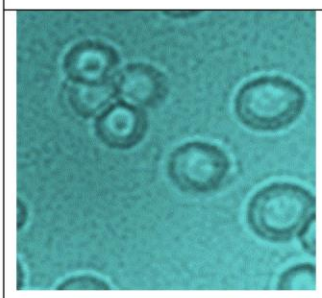


21: 2023/04254. 22: 2023/04/11. 43: 2023/10/17
51: G01D; G01M
71: Wuhu Technology and Innovation Research Institute, AHUT
72: SHI, Liping, SHI, Jun, WEI, Wei, CHEN, Xiaoya, SHI, Zhiqi, LI, Meng, WANG, Tao
33: CN 31: 2022103714845 32: 2022-04-11
54: HIGH-SPEED SEALING TEST DEVICE
00: -
Disclosed is a high-speed sealing test device. The device specifically includes a support platform and an electric main shaft. The electric main shaft is fixedly mounted on the support platform, one end of the electric main shaft is connected to a sealing test mechanism through a clamping device, one end of the sealing test mechanism is connected to a pressurizing mechanism, the pressurizing mechanism is configured to apply an axial load to the sealing test mechanism, and the sealing test mechanism is configured to simulate an experiment of dynamic sealing. During test, a movable ring is mounted on a movable ring clamp and a stationary ring is mounted on a stationary ring clamp. When the movable ring clamp and the stationary ring clamp rotate relatively, they put a strict requirement on seal performance.



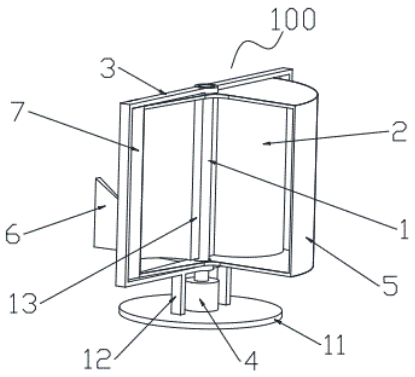
21: 2023/04255. 22: 2023/04/11. 43: 2023/10/17
51: G01N
71: ZHANG, Tao, WU, Mali, DENG, Hao, CHEN, Yan
72: ZHANG, Tao, WU, Mali, DENG, Hao, CHEN, Yan
54: APPLICATION OF ATM PROTEIN IN THE PREPARATION OF PNEUMOCONIOSIS DIAGNOSIS PRODUCTS
00: -
Disclosed is an application of an ataxia telangiectasia mutated (ATM) protein in the preparation of pneumoconiosis diagnosis products, which relates to the technical field of biological detection. The present invention takes the ATM concentration change as an indicator for early warning and diagnosis of CWP, and finds that the ATM concentration change in the plasma of CWP patients has a high diagnostic value. When the ATM concentrations of any populations currently or previously exposed to dust exceed the threshold, there exists a risk of evolving into pneumoconiosis, and intervention is required. When the ATM concentrations of any populations exposed to dust reach the threshold, they should be promptly separated from dust; and when the ATM concentrations of any populations previously exposed to dust reach the threshold, they should receive follow-up observation. ATM is an important characteristic molecule for early warning and diagnosis of pneumoconiosis.

21: 2023/04256. 22: 2023/04/11. 43: 2023/10/17
51: A01N; A23B; A23L; A61P
71: LOVELY PROFESSIONAL UNIVERSITY
72: Baral, Deewakar, Kaushik, Aditi
33: IN 31: 202211059645 32: 2022-10-18
54: A NOVEL RICE STARCH BASED BIO-CONTROL FORMULATION
00: -
The present invention disclosed the novel rice starch based bio-control formulation. The different yeast isolate in rice starch extract medium based liquid formulation with different concentration of molasses and urea as additives. The said novel invention is easy to scale up, industrially feasible and cost effective. The technology used in the said invention can be used for both post-harvest pathogen of fruits as well as in brewing and baking industries.

Microscopic view of yeast cells	
	Isolate-1
	Isolate-2
	Isolate-3

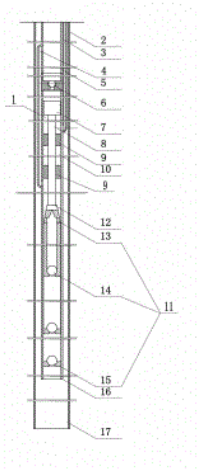
21: 2023/04257. 22: 2023/04/11. 43: 2023/10/17
51: B60L
71: Shanghai Yijiu Technology Co., Ltd.
72: LI, Feng, LI, Wei, ZHAO, Xiaohua, LI, Bingjie
54: VERTICAL AXIS WIND TURBINE
00: -
The present invention relates to the technical field of a wind turbine, and discloses a vertical axis wind turbine. By arranging a windshield, curved blades with a convex surface facing a wind direction are

shielded by the windshield, so that effective power obtained by a wind wheel is increased, and the power generation efficiency of the vertical axis wind turbine is improved.



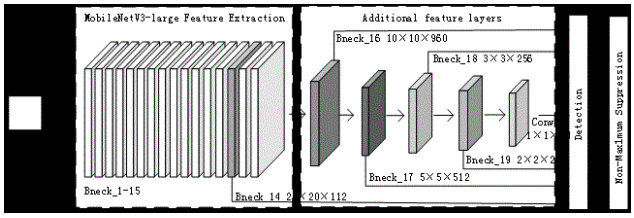
21: 2023/04258. 22: 2023/04/11. 43: 2023/10/17
51: F04B
71: Shanghai Yijiu Technology Co., Ltd.
72: LI, Feng, LI, Wei, ZHAO, Xiaohua, LI, Bingjie
54: HYDRAULIC DRIVING OIL PUMPING UNIT
00: -

Provided is a hydraulic driving oil pumping unit, which relates to the technical field of oil pumping equipment for oil wells, and includes a downhole pump, a ground power station, a driving stem and a hydraulic cylinder. The downhole pump is arranged in an oil pipe, one end of the driving stem is connected with the downhole pump, the other end is fixedly connected with a piston of the hydraulic cylinder, high-pressure power fluid formed by the ground power station is delivered into an actuating chamber of the hydraulic cylinder through a pipeline to exert pressure to the piston to move towards a wellhead, and when the ground power station reduces the pressure of the power fluid in the power fluid pipeline, the piston moves to the bottom of a well under the pressure of the fluid at the other side.

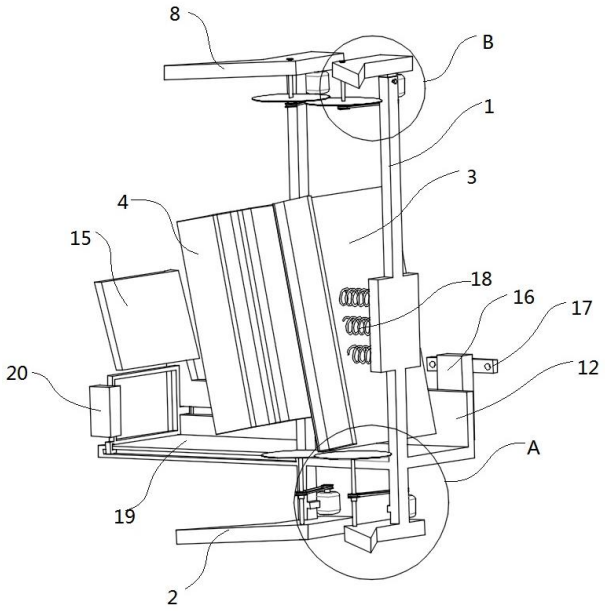


21: 2023/04260. 22: 2023/04/11. 43: 2023/10/17
51: G06K
71: Jiangsu Vocational and Technical College of Architecture
72: Zhang gang, Du jia hui, You jia rui, He hao, Qin sheng tao, Du xuan, Wei lai
33: CN 31: 2023101361487 32: 2023-02-20
54: TRAFFIC SIGN DETECTION ALGORITHM BASED ON LIGHTWEIGHT SSD
00: -

A traffic sign detection algorithm based on lightweight SSD, its steps comprises the following: based on SSD network structure, replace VGG16 in SSD network with MobileNetV3_large network and take it as the basic feature extraction network to form MV3-SSD network structure; replace the corresponding standard convolution with the inverse residual structure Bneck added with SE module and take it as the output feature layer of target detection; and use the optimized priori frame to predict and obtain the location and category of traffic signs through the non-maximum suppression algorithm. The invention greatly improves the detection efficiency while ensuring the detection accuracy of traffic signs, is better suitable for embedded terminal devices, and meets the requirements of automatic driving for high-quality identification of traffic sign information.

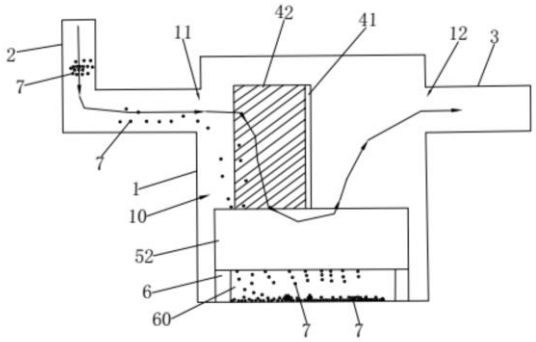


21: 2023/04261. 22: 2023/04/11. 43: 2023/10/17
51: A01D; B26D; B65B
71: Guangxi Academy of Agricultural Sciences
72: LI, Ming, HE, Shanshan, ZENG, Yuan, JING, Yan, LUO, Ting, TANG, Shiyun, ZHANG, Baoqing, WEI, Jinju
33: CN 31: 2022114582182 32: 2022-11-21
54: DEVICE FOR QUICKLY CUTTING AND HARVESTING SUGARCANE AND USE METHOD THEREOF
00: -
The present invention discloses a device for quickly cutting and harvesting sugarcane and a use method thereof. The device includes upright posts which are oppositely disposed. A cutting and harvesting assembly, a tip removing assembly and a bundling assembly are disposed on the upright posts. The cutting and harvesting assembly includes underframes disposed at the bottoms of the upright posts, and a first plate and a second plate which are oppositely disposed at side parts of the upright posts. First rotating shafts are movably disposed in the middles of the underframes, first motors are oppositely disposed on the underframes, first serrated knives are disposed at the upper parts of the first rotating shafts, and the two first serrated knives are disposed in a staggered manner. The bundling assembly includes a bearing table disposed at the side parts of the upright posts, the longitudinal section of the bearing table is L-shaped as a whole, and an electronic weighing device is disposed on the bearing table. The whole bearing table is perpendicular to the upright posts, a slider is movably disposed at the side part of the bearing table, and an automatic bundling machine is disposed at the end part of the slider.

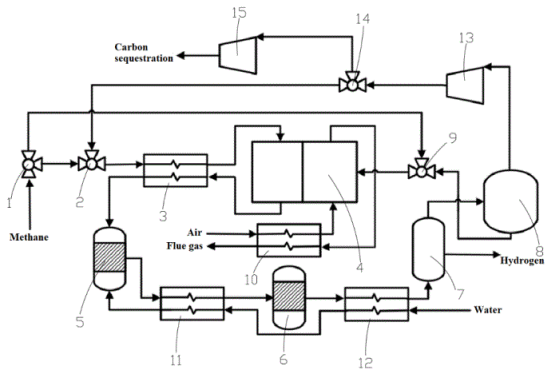


21: 2023/04263. 22: 2023/04/11. 43: 2023/10/17
51: E03F
71: Taizhou Vocational College of Science & Technology
72: LI, JUAN
54: RAINWATER WELL DEVICE WITH FILTERING FUNCTION
00: -
The present invention relates to a rainwater well device with filtering function. By arranging a first component and a second component in the cavity of the rainwater well main body, the first component has two isolation areas formed by baffles and partitions, each isolation area facing the water inlet of the rainwater well main body, and the second component is formed by a plurality of V-shaped parts with gaps at the bottom, with the openings of the V-shaped parts facing the bottom of the isolation area, a third member with a deposition chamber is provided below the second member, and the upper end openings of the deposition chamber are respectively facing the gaps of each V-shaped member. In this way, the flowing rainwater and particles form vortices in each isolation area due to the resistance of the first member and move towards the second member. The particles slide along the inner side of the V-shaped member to the gap and at the gap, slide into the deposition cavity of the third member to form a deposition layer. In this way, the particles in the rainwater can be filtered, avoiding

reducing the drainage smoothness of the rainwater due to the deposition of particles.



21: 2023/04264. 22: 2023/04/11. 43: 2023/10/17
51: C01B
71: JIMEI UNIVERSITY
72: SU, Bosheng, HUANG, Shenghua, WANG, Yilin, HUANG, Yupeng, HUANG, Zhi
54: HYDROGEN PRODUCTION SYSTEM BASED ON DRY REFORMING OF METHANE
00: -
Disclosed is a hydrogen production system based on dry reforming of methane, including a first splitter, a first mixer, a first preheater, a thermochemical reactor, an adiabatic water gas shift reactor, a thermostatic water gas shift reactor, a pressure swing adsorber, a carbon dioxide separation device and a second mixer. In the present invention, methane and exhaust gas combust in a combustion zone of the thermochemical reactor to provide a heat source for a dry reforming reaction of methane, and carbon dioxide and exhaust gas are separated in the carbon dioxide separation device. A part of carbon dioxide is reinjected into the thermochemical reactor and excessive carbon dioxide is subject to carbon sequestration by pressurizing, so that carbon negative emission by dry reforming of methane is effectively achieved to prepare hydrogen. Compared with conventional hydrogen production methods, the present invention has better hydrogen production efficiency and carbon reduction effect.



21: 2023/04271. 22: 2023/04/11. 43: 2023/10/17
51: G06Q
71: Anhui Science And Technology University
72: Zhang Wei, Wang chengyun, Wang qiudi, Wang weizhe, Xie Junyi, Dai Jiajun
33: CN 31: 2023101664511 32: 2023-02-22
54: RURAL INDUSTRIAL INFORMATION MANAGEMENT SYSTEM
00: -
The invention belongs to the technical field of industrial information management systems, in particular to a rural industrial information management system, which comprises a master control terminal and a sub-control terminal, wherein the master control terminal is managed by a village branch; the sub-control terminal is managed by the villagers of each rural industry; sub-control end comprises a co-ordination module; the overall planning module comprises a recording unit, a monitoring unit, a comparison unit and an alarm unit; the recording unit is used for recording industrial information, including the mu number of various kinds of plants and the number of various kinds of animals provided by the family. The invention realizes the simplified, diversified, intelligent and efficient management of rural industrial information, moreover, it can realize the combination of practice and theory, and play a role in effective communication, mutual transfer of technological innovation and experience, common progress and common development.

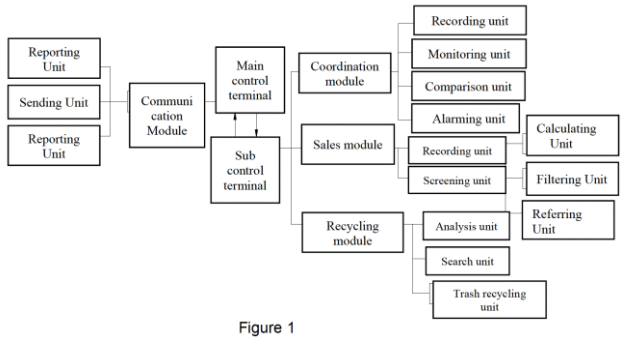


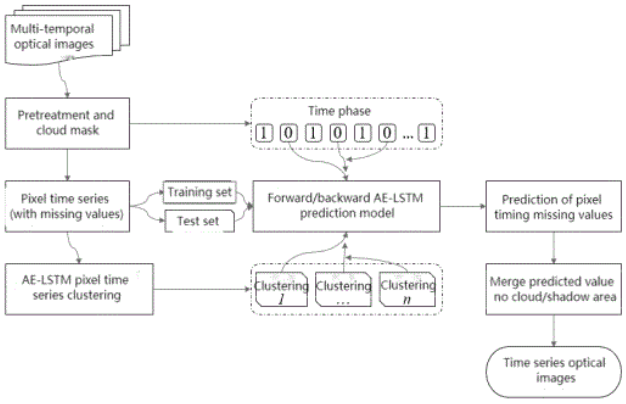
Figure 1

21: 2023/04272. 22: 2023/04/11. 43: 2023/10/17
51: G06T
71: Hohai University
72: Yanan ZHOU, Li FENG, Xianzeng YANG, Dan YANG

54: A RECONSTRUCTION METHOD FOR OPTICAL REMOTE SENSING TIME SERIES IMAGES AND ITS SYSTEM

00: -

This invention discloses a reconstruction method for optical remote sensing time series images and its system, including the following steps: s1, preprocessing to obtain a preprocessed image sequence; s2, drawing masked areas visually, setting pixel values, constructing time series curves, and obtaining pixel time series; s3, performing unsupervised clustering on the pixel time series to generate multiple clustering areas; s4, constructing a forward and backward recurrent neural network prediction model For-backward LSTM for each clustering area, and dividing a training sample set and a prediction sample set of the forward and backward recurrent neural network prediction model For-backward LSTM; s5, training the forward and backward recurrent neural network prediction model For-LSTM of each clustering area, and obtaining prediction data of each clustering area respectively, repairing missing phase values of the prediction sample set by the prediction data; s6, merging the prediction data of each clustering area with the corresponding non-masked area to generate a reconstruction sequence of multi-temporal remote sensing images.



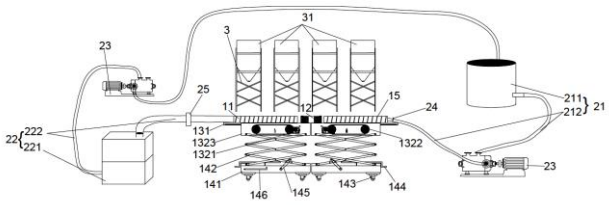
21: 2023/04273. 22: 2023/04/11. 43: 2023/10/13
51: E21D
71: SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: LIU, Weitao, YANG, Chunhui, MENG, Xiangxi, ZHAO, Jiyuan
33: CN 31: 202310072412.5 32: 2023-01-17

54: SIMULATED TUNNEL GROUTING DEVICE AND USING METHOD THEREFOR

00: -

The present application provides a simulated tunnel grouting device including a simulated tunnel system, a flowing water simulation system and a grouting simulation system, the flowing water simulation system communicating with two ends of the simulated tunnel system so that a liquid is enabled to circulate between the flowing water simulation system and the simulated tunnel system; and the grouting simulation system being disposed at the simulated tunnel system and communicating with the simulated tunnel system, the simulated tunnel system including a plurality of segments of transparent tunnels, a modular connecting structure, bearing mechanisms and regulating mechanisms, the transparent tunnels being borne on tops of the bearing mechanisms, positions and angles of the tunnels being regulated by the regulating mechanisms, and the modular connecting structure being capable of making the transparent tunnels communicate. Different modular connecting structures are disposed for different tunnel simulation to widen the adaption range of the simulated tunnel grouting device and make its functions more abundant; and by means of the bearing mechanisms and the regulating mechanisms, the simulated tunnel system is regulated in position to simulate tunnel grouting processes in different states, so that the simulation

function and application scenario of the grouting device are improved.



21: 2023/04311. 22: 2023/04/11. 43: 2023/10/13
51: G06N
71: AAROGYAAI INNOVATIONS PVT. LTD.
72: JAYASWAL, Praapti, TIWARI, Avlokita
33: IN 31: 202041055641 32: 2020-12-21
54: DRUG RESISTANCE OF TARGET STRAINS OF A PATHOGEN
00: -
Examples of determining drug resistance of a target strain of a pathogen against a target drug are described. In an example, a nucleotide sequence data of the target strain of the pathogen is obtained from a test sample. The nucleotide sequence data may then be analyzed to locate a genetic variation in a nucleotide sequence of the target strain. Based on a susceptibility-detection model, the genetic variation may be analyzed to identify association of the genetic variation with drug resistance of the target strain with respect to a specific target drug. The susceptibility-detection model is trained based on a plurality of association mappings, wherein an association mappings associates a genetic variation in a training base strain of the pathogen with drug resistance to one or more drugs

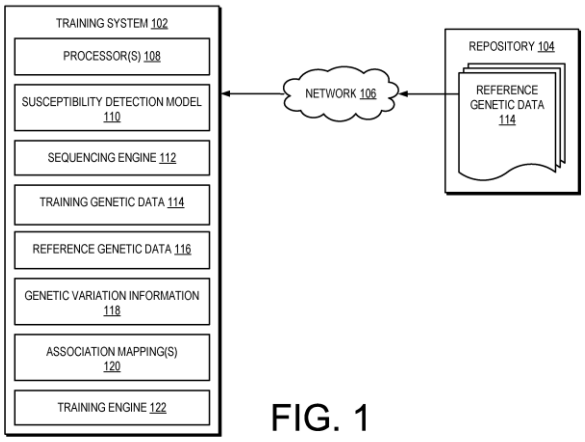
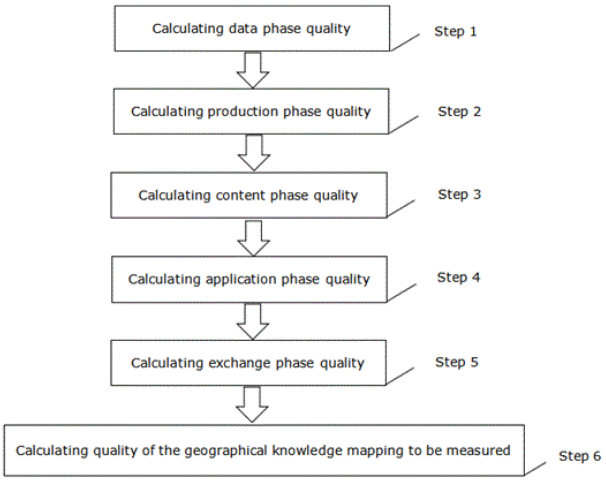


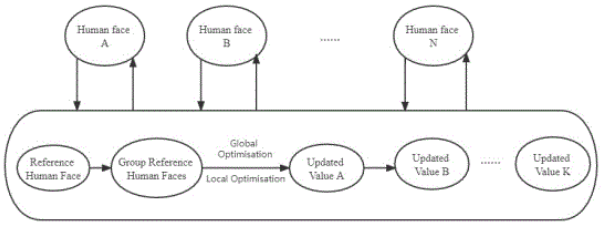
FIG. 1

21: 2023/04324. 22: 2023/04/12. 43: 2023/10/17
51: G06Q
71: Institute of Geographic Sciences and Natural Resources Research, CAS
72: WANG, Shu, QIU, Peiyuan, BAI, Yan, ZHU, Yunqiang, PENG, Peng
33: CN 31: 202310165099X 32: 2023-02-24
54: GEOGRAPHICAL KNOWLEDGE MAPPING QUALITY DETERMINATION METHOD BASED ON LIFE CYCLE THEORY
00: -
A geographical knowledge mapping quality determination method based on the life cycle theory, comprises the steps of dividing a life cycle of the geographical knowledge mapping into a data phase, a production phase, a content phase, an application phase and an exchange phase, and defining that the geographical knowledge mapping quality is comprehensively measured from data phase quality, production phase quality, content phase quality, application phase quality and exchange phase quality according to the life cycle of the geographical knowledge mapping. The data phase quality is measured by using knowledge source reliability, knowledge source space-time coverage and knowledge medium reliability. The production phase quality is measured by using a transformation method performance indicator and a transformation method confidence indicator. The content phase quality is measured by using two indicators, namely, knowledge correctness and knowledge error. The application phase quality is measured by using two indicators, namely, knowledge integrity and knowledge representativeness. The exchange phase quality is measured by using two indicators, namely,

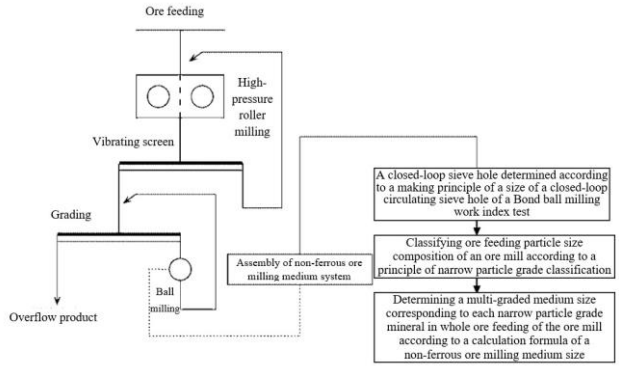
interpretability and exchangeability. The method can measure the quality of links in the life cycle of the geographical knowledge mapping and fully reflect the geographical knowledge mapping quality with high accuracy.



21: 2023/04325. 22: 2023/04/12. 43: 2023/10/17
51: G06K
71: Shenyang University of Technology
72: Gang ZHANG, Zhuoni ZHANG
54: A JOINT FACE ALIGNMENT METHOD AND SYSTEM CONSIDERING GLOBAL RIGID AND LOCAL NONRIGID
00: -
The present invention discloses a system and method for joint face alignment considering global rigid and local nonrigid, step 1: forming a face landmark point set based on the face area rectangles of the individual face in the group images; step 2: using the frontal face training set to obtain a reference face point set and normalizing this reference face point set and the face landmark point set in step 1; step 3, getting the preliminary set of fitting results for the group image faces; step 4, determining the distorted result set of the initial fitting result set based on these parameters; step 5, updating the reference face using the distorted result set and iterating from step 3 to step 5 to complete the joint alignment process. Using the maximum number of iterations as a termination metric. The method in the present invention belongs to the latter category and differs from the previous methods in that the reference model is transformed from a generic model to a group image face model and the reference model can be dynamically updated during local optimization to avoid large deviations in the individual image face alignment results at the macro level and to perform mutual constraints between image faces at the micro level.



21: 2023/04328. 22: 2023/04/12. 43: 2023/10/17
51: B02C
71: BGRIMM TECH GROUP
72: WANG, Guoqiang, ZHAO, Zhiqiang, ZHU, Yangge, LUO, Sigang, ZHAO, Jie, HU, Zhikai, HU, Yangjia, LU, Liang, TANG, Yijing, LU, Hongyu
33: CN 31: 202210939349.6 32: 2022-08-05
54: METHOD FOR REDUCING ENERGY CONSUMPTION OF HIGH-PRESSURE ROLLER MILLING-BALL MILLING SYSTEM
00: -
A method for roller milling-ball milling comprising: determining a 95% sieving particle size of mill ore feeding and a size of a closed-loop circulating sieve hole of a Bond ball milling work index test, experimenting on the index test to obtain a Bond ball milling work index; classifying ore feeding particle size composition of an ore mill according to a principle of narrow particle grade classification to obtain a relative yield of particle grades with removal of a particle size corresponding to target ore milling fineness; determining a multi-graded non-ferrous ore milling medium size corresponding to each narrow particle grade mineral in whole ore feeding of the ore mill according to a calculation formula of a non-ferrous ore milling medium size and the relative yield; adding the medium by taking the multi-graded non-ferrous ore milling medium size as an assembly solution of a non-ferrous medium, and performing ore milling.

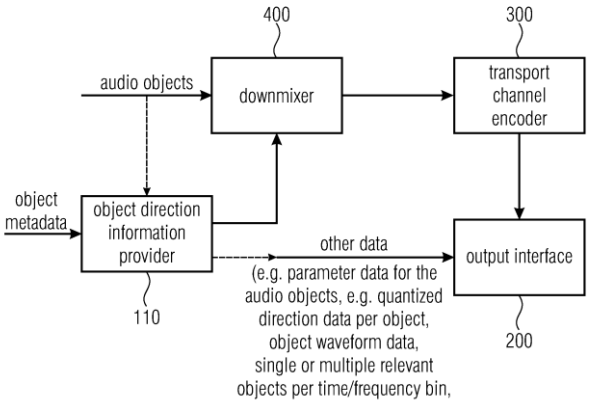


21: 2023/04331. 22: 2023/04/12. 43: 2023/10/13
51: G10L; H04S
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
72: EICHENSEER, Andrea, KORSE, Srikanth, BAYER, Stefan, KÜCH, Fabian, THIERGART, Oliver, FUCHS, Guillaume, WECKBECKER, Dominik, HERRE, Jürgen, MULTRUS, Markus
33: EP 31: 20201633.3 32: 2020-10-13
33: EP 31: 20215648.5 32: 2020-12-18
33: EP 31: 21184366.9 32: 2021-07-07

54: APPARATUS AND METHOD FOR ENCODING A PLURALITY OF AUDIO OBJECTS USING DIRECTION INFORMATION DURING A DOWNMIXING OR APPARATUS AND METHOD FOR DECODING USING AN OPTIMIZED COVARIANCE SYNTHESIS

00: -

An apparatus for encoding a plurality of audio objects and related metadata indicating direction information on the plurality of audio objects, comprises: a downmixer (400) for downmixing the plurality of audio objects to obtain one or more transport channels; a transport channel encoder (300) for encoding one or more transport channels to obtain one or more encoded transport channels; and an output interface (200) for outputting an encoded audio signal comprising the one or more encoded transport channels, wherein the downmixer (400) is configured to downmix the plurality of audio objects in response to the direction information on the plurality of audio objects.

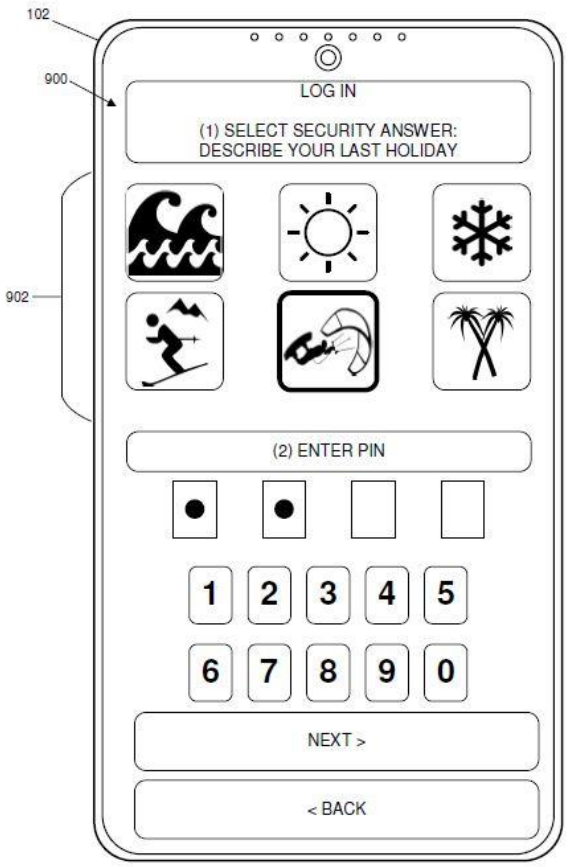


21: 2023/04355. 22: 2023/04/12. 43: 2023/10/17
51: G06F; H04L; H04W
71: VEA TECHNOLOGIES LTD
72: ROWLAND, Mark-Anthony
33: US 31: 63/092,337 32: 2020-10-15

54: A METHOD AND SYSTEM FOR AUTHENTICATING A USER

00: -

There is provided a computer-implemented method for authenticating a user on a digital platform, the method executed at a server computer and comprising: receiving an authentication request from a client device of the user; retrieving a saved descriptor previously submitted by the user in response to the user having been prompted to select a descriptor; sending a list of descriptors to the client device that includes: the saved descriptor or a derivative thereof and a plurality of decoy descriptors to be presented to the user in a random order; receiving a combination input from the client device consisting of a preconfigured password and at least one additional input element that identifies a descriptor selected by the user from the list of descriptors; and authenticating the user if the combination input matches an expected response, otherwise failing the authentication attempt.



21: 2023/04356. 22: 2023/04/12. 43: 2023/10/13
51: A61K; C07K
71: LONGHORN VACCINES AND DIAGNOSTICS, LLC
72: FISCHER, Jeffrey D., SEI, Clara J., DAUM, Luke T., FISCHER, Gerald W.
33: TM 31: 63/094,116 32: 2020-10-20
33: US 31: 63/094,472 32: 2020-10-21
33: US 31: 63/246,360 32: 2021-09-21

54: IMMUNOGENIC ANTIGENS

00: -

The invention relates to composite antigens comprising an antigen obtained or derived from an antigenic epitope of one or more pathogens that induces an immune response in a mammal, an antigen obtained or derived from bacterial cell wall material that induces an immune response in a mammal such as LTA, PNG or LPS, and a T cell stimulating antigen such as CRM. Preferably the composite antigen comprises an immunogenic composition or a vaccine that is effective against the pathogen or can generate antibodies that can be collected that are protective against infection by the pathogen. In addition, the invention relates to vaccines comprising composite antigens and to method for treating and preventing an infection.

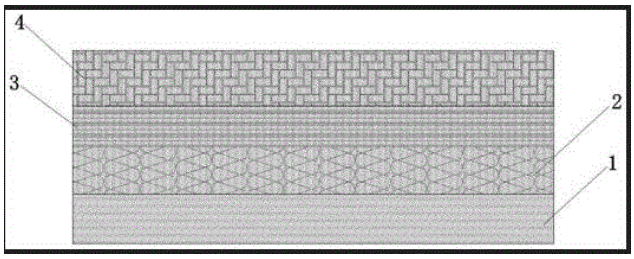
MAB CONC.	% OPSONOPHAGOCYTIC KILLING ACTIVITY BY TWO DIFFERENT ANTI-TB Pep01 MABs	
µg/mL	MAD LD7	MAB CA6
250	44	27
200	**76**	**58**
175	**62**	**63**
150	**72**	10
100	**72**	40
75	**76**	46
50	**75**	22
25	**52**	**51**
12.5	**56**	43
10	**71**	**63**
5	**74**	**55**
1	**64**	49
0.1	**73**	47
0.05	41	**61**

21: 2023/04363. 22: 2023/04/12. 43: 2023/10/17
51: A24D
71: YANCHENG POLYTECHNIC COLLEGE
72: ZHU Ting, ZHOU Bin, WANG Huiling, ZHOU Hongtao, FAN Lishan

54: COMPOSITE FILTER TIP MATERIAL FOR CIGARETTES

00: -

The invention describes a composite filter tip material for cigarettes, consisting of four layers: a heat-resistant cooling nonwoven layer, a low-density acetate fiber tar adsorption layer, a bamboo charcoal particle fiber gas adsorption layer, and an end channel layer. The heat-resistant cooling nonwoven layer is made of aramid fiber and Outlast air-conditioning fiber, processed through spunlace nonwoven method. The low-density acetate fiber tar adsorption layer is created by electrostatically spinning acetate fiber spinning solution into a mesh and then compounding it with nano silicon dioxide particles. The bamboo charcoal particle fiber gas adsorption layer is made by melting polyester material and bamboo charcoal particles, forming a mesh through meltblowing equipment. The end channel layer is composed of polylactic acid fiber, processed through spunlace nonwoven method, and laminated with the heat-resistant cooling nonwoven layer, low-density acetate fiber tar adsorption layer, and bamboo charcoal particle fiber gas adsorption layer. The resulting filter tip material is effective in filtering out tar and absorbing harmful gases, improving the smoking experience.

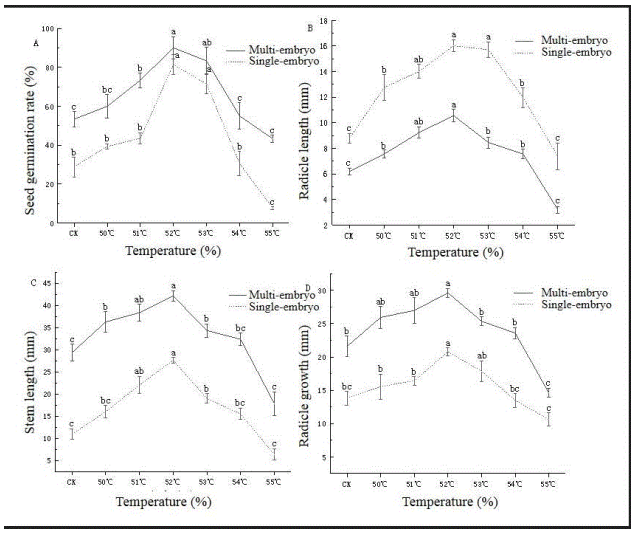


21: 2023/04364. 22: 2023/04/12. 43: 2023/10/17
51: A01C; A01G; A01N
71: CITRUS RESEARCH INSTITUTE OF ZHEJIANG PROVINCE
72: KE Fuzhi, HUANG Xiu, WANG Luoyun, NIE Zhenpeng, SUN Lifang, XU Jianguo
33: CN 31: 2022105083541 32: 2022-05-10

54: CULTURE METHOD OF CITRUS SEEDS FOR GRAFTING

00: -

Disclosed is a culture method of citrus seeds for grafting, and relates to the field of agriculture. The culture method includes: (1) treating the citrus seeds in a water bath at a temperature of 52-53 degree Celsius for 10-20 min, then peeling off the seed coat and conducting germination culture; and (2) performing radicle grafting after 7-9 days of germination and culture. The hot water treatment of the application may improve the uniformity of seed germination, improve the germination rate, and remove germs carried by seed embryos to a certain extent, and the cultivated seedlings are healthy and non-toxic. In the application, the optimal hot water treatment temperature for improving the germination effect is obtained by screening, and the optimal pretreatment scheme suitable for grafting citrus seeds is further obtained by combining with subsequent grafting experiments.



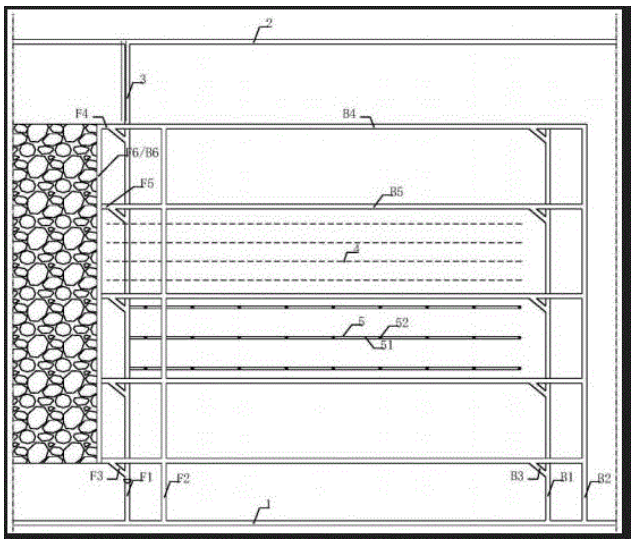
21: 2023/04365. 22: 2023/04/12. 43: 2023/10/17
51: E21C
71: TAIYUAN UNIVERSITY OF TECHNOLOGY
72: WANG Bo, FENG Guorui, WEI Quande, LI Zhu, WU Wenda, MA Junpeng, WANG Fangfang, GAO Zhongxiang
33: CN 31: 202210694884.X 32: 2022-06-20

54: MINING METHOD WITHOUT COAL PILLAR IN MINING AREA FOR COMPREHENSIVE PREVENTION AND CONTROL OF ROCK BURST AND GAS

00: -

The invention relates to a mining method without coal pillars in a mining area for comprehensive prevention and control of rock burst and gas. The coal pillars in the mining area of the former mining area are directly arranged in the working face of the latter mining area, and the coal drift of the previous working face is taken as the air intake drift of the next working face by retaining gob-side entry, so that the mining without coal pillars in the whole mining area is realized and the rock burst is avoided. Pre-splitting, gas pre-pumping and rock burst prevention are carried out by using coal transported up the mountain in the pre-mining area to carry out pre-splitting and drainage of bedding holes; At the same time, the track is arranged in the rock stratum of the coal seam floor, and the gas is extracted in all stages through comb drilling, and it is used as the return air in the post-mining area, which does not affect the mining of the coal pillar in the pre-mining area and can meet the demand of special return air going up the mountain. The invention can realize the comprehensive prevention and control of rock burst

and gas, and at the same time can greatly improve the gas prevention and control effect and the coal recovery rate.

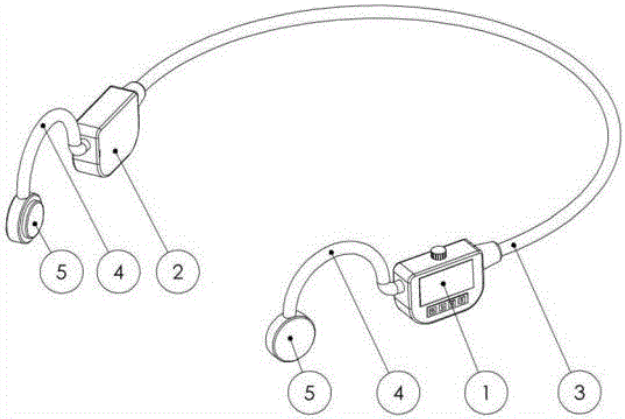


21: 2023/04371. 22: 2023/04/13. 43: 2023/10/17
51: G02C; H04R
71: NINGBO KANGNING HOSPITAL (NINGBO CENTER FOR MENTAL DISEASE PREVENTION AND CONTROL)
72: YU Chang, ZHUANG Wenhao, LI Xingxing, ZHOU Dongsheng, YU Haihang

54: ACOUSTIC THERAPY EARPHONE

00: -

The invention provides a acoustic therapy earphone, which comprises a control module, a power supply module, a connecting wire and an ear hanging wire; one end of the control module is connected with a bone conduction module through an ear hanging wire, and the other end is connected with a connecting wire; one end of the power supply module is connected with another bone conduction module through an ear hanging wire, and the other end is connected with a connecting wire; the control module comprise a shell, and one side of that shell is provided with a shell cover; the shell cover is detachably connected with a control panel; a frequency adjusting module is integrated in the control panel; an adjusting knob is arranged on the frequency adjusting module; the other side of that shell is embed with a display screen module and a key module. The invention is simple in structure and convenient to use. The frequency adjusting module is added to the control panel, and the adjusting knob and the display screen module are matched to realize the function of adjusting and displaying the sound wave frequency, thereby increasing the sound therapy effect of the bone conduction earphone and better improving insomnia, anxiety, depression and mental illness.

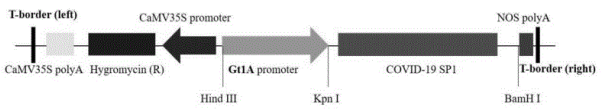


21: 2023/04372. 22: 2023/04/13. 43: 2023/10/17
51: C07K; C12N
71: China National Rice Research Institute
72: HONG, Yongbo, CAO, Liyong, WEI, Xinghua, YU, Guoping, ZHAN, Xiaodeng, JI, Zhijuan, ZHANG, Mengchen

54: EXPRESSION VECTOR FOR SPECIFICALLY EXPRESSING SARS-COV-2 PROTEIN VACCINE BY USING RICE ENDOSPERM CELL, AND APPLICATION THEREOF

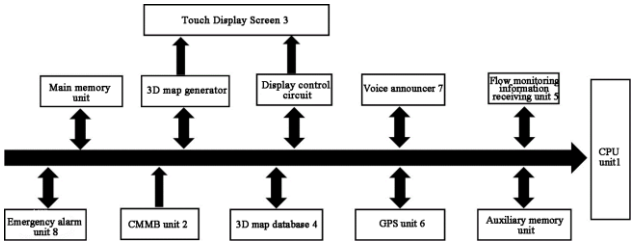
00: -

The present invention relates to the field of plant genetic engineering technology, and in particular to an expression vector for specifically expressing a SARS-CoV-2 protein by using a rice endosperm cell, and application. The present invention provides a endosperm-specific promoter for promoting expression of the SARS-CoV-2 protein, and a nucleotide sequence of the recombinant promoter is shown in sequence identity (SEQ ID) NO.1. The present invention uses a proteasome of the rice endosperm cell as a storage point of a recombinant protein, and the recombinant promoter specifically expressed by rice endosperm mediates entry of the recombinant SARS-CoV-2 protein into an inner membrane system of the endosperm cell and storage of the recombinant SARS-CoV-2 protein in the proteosome of the endosperm cell, so as to achieve a purpose of mass production, stable expression and storage-resistant of the prepared SARS-CoV-2 protein.



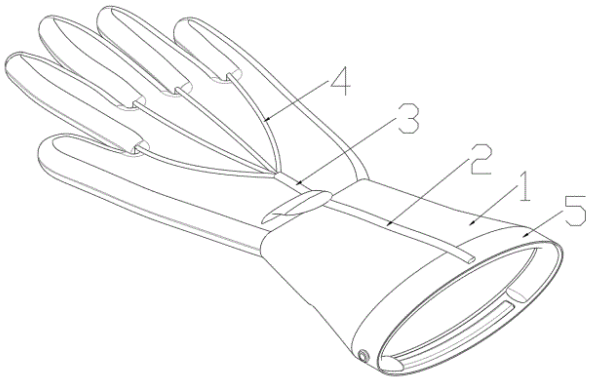
21: 2023/04373. 22: 2023/04/13. 43: 2023/10/17
51: C04B
71: ANHUI JIANZHU UNIVERSITY
72: LIU Xuan, CHEN Xudong, JIANG Tao, LI Chenglong, LIU Chang, WU Shaocai, XUAN Wenzhu
54: GEOPOLYMER FOAMED CONCRETE AND PREPARATION METHOD THEREOF
00: -
The invention provides geopolymer foamed concrete and a preparation method thereof, and belongs to the technical field of building material preparation. The geopolymer foamed concrete comprises the following raw materials in parts by weight: 50-65 parts of metakaolin, 20-38 parts of modified red mud, 5-14 parts of blast furnace slag, 12-16 parts of fly ash, 4-8 parts of alkali activator, 1-1.3 parts of foaming agent, 0.8-1.6 parts of foam stabilizer and 40-60 parts of water. The invention makes the prepared geopolymer foamed concrete have high compressive strength, light weight, good fluidity and excellent heat resistance by reasonably controlling the proportioning relationship of the raw materials; the preparation method of the geopolymer foamed concrete is simple, the construction time is short, the materials are simple and easy to obtain, the solid waste can be utilized, the pollution caused by stacking can be reduced, the resources are saved, the cost is reduced, the operation is easy in practical engineering, and the geopolymer foamed concrete is popularized.

21: 2023/04374. 22: 2023/04/13. 43: 2023/10/17
51: G08G
71: Chongqing University of Science & Technology
72: Jialiang Geng, Yuxin Xia, Xu Li, Jie Chen, Bihai Zou, Jiawei Geng
54: A HUMAN FLOW DISPERSAL DEVICE SUITABLE FOR ENCLOSED LARGE ACTIVITY PLACE
00: -
In order to provide the user in the closed large-scale activity place to avoid the flow of people congestion of the dredging path. The invention relates to a human flow dispersal device suitable for enclosed large activity place. It includes: GPS unit, 3D map database, flow monitoring information receiving unit, CPU unit, touch display, CMMB unit (China Mobile Multimedia Broadcasting), emergency alarm unit, voice announcer; The 3D map database stores: road section information suitable for users, buildings around each road section, businesses in each building, activities to be carried out around each road section, closed-loop regional flow divider layout information, wide area suitable for emergency avoidance around each road section; The receiving units of crowd flow monitoring information include: crowd flow density of road section, crowd flow density of public areas in buildings, and crowd flow density inside merchants; The flow monitoring information receiving unit obtains the real-time flow density of each area fed back by the flow dividers of each closed-loop area offline. CMMB unit obtains weather forecast information; The CPU unit obtains user location information through GPS unit. Flow monitoring information receiving unit, CMMB unit, emergency alarm unit can calculate the information of the nearest place that will not cause flow congestion under the current weather, and form the corresponding guide path for play, rescue, evacuation, etc.



21: 2023/04375. 22: 2023/04/13. 43: 2023/10/17
51: A41D
71: Quzhou Peoples Hospital
72: Mengmeng Zhou, Xiaoyang Li, Wei Lu
54: ADJUSTABLE AND EASY-TO-WEAR STERILE GLOVES
00: -
The invention discloses adjustable and easy-to-wear sterile gloves, comprising a main body; an exhaust device is arranged above the main body, and the exhaust device is composed of a main exhaust pipe and multiple secondary exhaust pipes connected with the main exhaust pipe; the exhaust device is close to the middle of the upper surface of the main body, and the other end of the secondary exhaust pipe is located at the finger joint and extends into the

main body; the end of the main body is provided with a closing part, a male buckle is arranged under the closing part, multiple female buckles are uniformly arranged under the closing part, the female buckles are located on the left side of the male buckle, a sealing strip is provided under the inside of the closing part, an airbag is surrounded inside the closing part, the two ends of the airbag are located on both sides of the sealing strip, a valve is provided on the periphery of the middle part on the left side of the closing part, and the valve communicates with the air bag; a handle is provided on the left side of the upper middle part of the main body. Compared with the prior art, the advantage of the invention is that through the addition of various devices, the wearing of gloves can be more convenient, and non-contact wearing can be better realized.



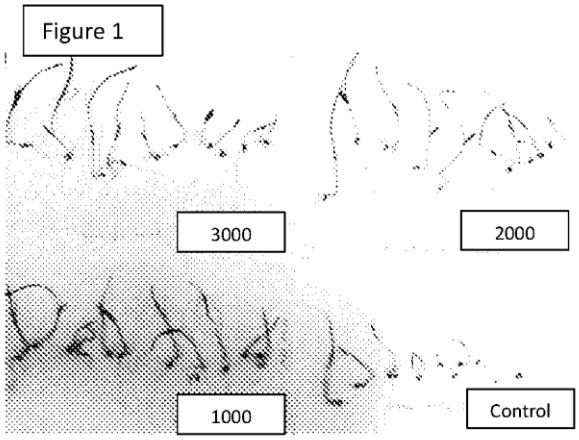
21: 2023/04386. 22: 2023/04/13. 43: 2023/10/17
51: A01N
71: M/S. PUSHPA J. SHAH
72: SHAH, Neil J., PATEL, Femida Y.
33: IN 31: 202021041518 32: 2020-09-24

54: CARRABIITOL FORMULATION TO MAINTAIN OSMOTIC BALANCE IN PLANTS AGAINST ABIOTIC STRESS AND METHOD OF EXTRACTION & PREPARATION THEREOF

00: -

The present invention provides seaweed based carrabiitol® formulation for maintaining osmotic balance in plants against abiotic stress and method for obtaining the same. The formulation comprises at least one carrageenan 5 oligosaccharide derivative polyol having osmo-protectant activity inducing abiotic stress tolerance, increase adaptation of plants to drastically changing environmental conditions, resulting in better growth and yield.

Figure 1

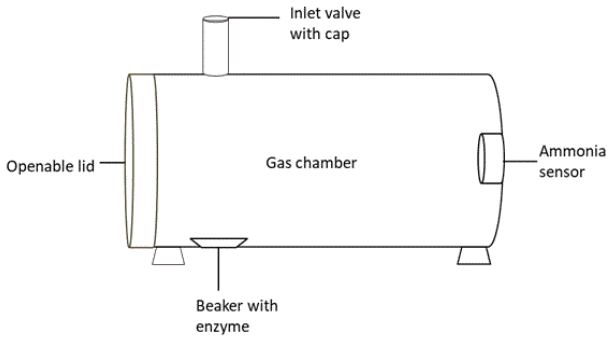


21: 2023/04407. 22: 2023/04/14. 43: 2023/10/17
51: C12Q
71: Dr. Navaneeth Bhaskar, Dr. Vinayak Bairagi, Mrs. Aswathy M A, Dr. Priyanka Tupe-Waghmare, Dr. Vijaya Rahul Pawar
72: Dr. Navaneeth Bhaskar, Dr. Vinayak Bairagi, Mrs. Aswathy M A, Dr. Priyanka Tupe-Waghmare, Dr. Vijaya Rahul Pawar

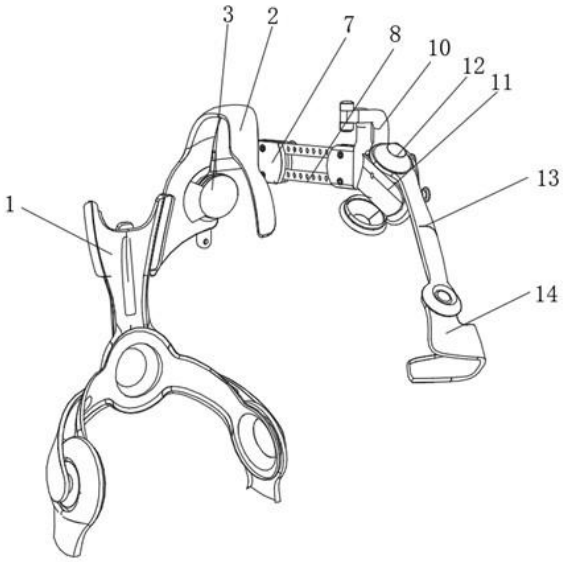
54: SYSTEM, METHOD AND DEVICE FOR NON-INVASIVELY IDENTIFYING CHRONIC KIDNEY DISEASES FROM SALIVA OF A USER

00: -

A novel technique for non-invasively detecting chronic kidney disease from saliva samples is revealed here. A potential biomarker for detecting chronic kidney disease has been discovered to be salivary urea. Disease identification using a saliva-based diagnosis is efficient and offers many advantages compared to conventional blood-based detection. When kidney functioning declines, the amount of urea in the body increases. Therefore, by monitoring the concentration of urea in the saliva it is possible to detect the functioning of the kidneys. Here, we have introduced a novel method for detecting urea concentration in saliva, that is by converting it to ammonia gas. Ammonia is produced when urea hydrolyses in the presence of the urease enzyme. The amount of ammonia gas generated is measured using a semiconductor-based gas sensor. The gas sensor's conductivity varies depending on the amount of ammonia generated in the reaction process. The urea concentration in the sample will be directly proportional to the change in conductivity of the sensor, which is then measured by converting it to an output voltage using an electrical circuit.



21: 2023/04408. 22: 2023/04/14. 43: 2023/10/17
51: A61F; A61L
71: JILIN JIANZHU UNIVERSITY
72: FANG, Juan, ZHANG, Peng
54: BONE SCAFFOLD WITH POROUS STRUCTURE AND PREPARATION METHOD THEREOF
00: -
Disclosed is a bone scaffold which comprises a back supporting frame which is inverted Y-shaped; both sides of the top of the back supporting frame are symmetrically provided with clamping grooves having shoulder wear sleeve is clamped and connected in the clamping grooves; one side of the shoulder wear sleeve is connected to a rotating damper; one shoulder wear sleeve is clamped and fixed with a human shoulder, adjusting rod frames are installed inside an adjusting mechanism, and the adjusting rod frames are fixedly connected with the rotating damper to facilitate the rotation of the shoulder. A fixing position relationship between the shoulder and a bone supporting structure is adjusted through a connecting rod, fixing rods and the adjusting rod frames, to adjust a distance between the shoulder and the bone supporting structure. The bone supporting structure is subjected to 3D printing integral forming after body scanning.



21: 2023/04436. 22: 2023/04/14. 43: 2023/10/17
51: A01K
71: TONGWEI AGRICULTURAL DEVELOPMENT CO., LTD.
72: Haifeng Mi, Lu Zhang, Tao Teng, Gaoming Zhang, Wendian Chen
33: CN 31: 202310164160.9 32: 2023-02-24
54: A FRESH WATER FISH OVERWINTERING FEED AND ITS APPLICATION AND A SLOW RELEASE FEED
00: -
The invention discloses a fresh water fish overwinter feed and its application and a slow release fish feed, and it relates to the technical field of aquaculture feed preparation. The overwintering feed consists of the following weight components: Fish meal, chicken meal, soybean meal, Type-200 rapeseed meal, DDGS, wheat, soybean oil, fish oil, rice bran, bran, calcium dihydrogen phosphate, 98.5% lysine, methionine, mildew inhibitor, antioxidant, omnivore premix and complex enzyme preparation. The overwintering feed of the invention is more suitable for the feeding habit of fish in winter, and the high digestibility high quality protein raw feed and high unsaturated fatty acid raw feed are used. In this way, fish can improve their immunity in winter and survive the winter safely. At the same time, besides satisfying basic physiological metabolism, fish can have the best growth rate, which has obvious advantages over existing products in the market. The invention solves the problems of low nutritional

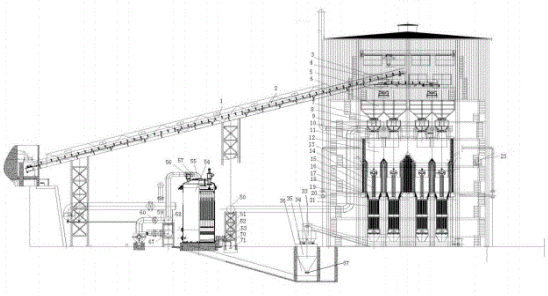
and immune properties of the existing fresh water fish overwintering feed.

21: 2023/04446. 22: 2023/04/17. 43: 2023/10/24
51: C10B
71: FUGU TAIDA COAL CHEMICAL CO.,LTD
72: LIU, Xufeng, YANG, Yongliang, PENG, Yasen, LIU, Erzhong, GAO, Zhijun, LIU, Haijun, LV, Laixiong
33: CN 31: 2023100747220 32: 2023-02-06

54: PYROLYSIS AND CARBONIZATION DEVICE FOR GRANULAR COALS

00: -

The present invention discloses a pyrolysis and carbonization device for granular coals, relating to the field of pyrolysis equipment. The device includes a high-temperature pyrolysis system. The high-temperature pyrolysis system includes a plurality of carbonization chambers provided in a furnace body. A waste heat exchange system and a coke discharging system are successively provided below the carbonization chamber. The high-temperature pyrolysis system is externally connected with a clean coal transportation and storage system. The clean coal transportation and storage system is configured to transport granular coals into the high-temperature pyrolysis system for pyrolysis. The high-temperature pyrolysis system is connected with a gas recovery processing system. The gas recovery processing system is capable of processing and recovering gas produced by the pyrolysis of the granular coals. The pyrolysis and carbonization device for granular coals according to the present invention enables efficient pyrolysis of coal and improves productivity.

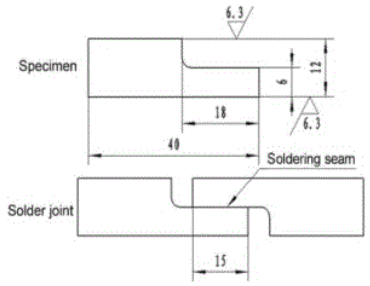


21: 2023/04447. 22: 2023/04/17. 43: 2023/10/24
51: B23K; H05K
71: HENAN UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: WANG Huigai, ZHANG Keke, WANG Bingying, ZHANG Chao, LIU Peng

54: ULTRASONIC-ASSISTED SOLDERING METHOD OF TIN-BASED LEAD-FREE COMPOSITE SOLDER REINFORCED WITH NICKEL-PLATING GRAPHENE

00: -

An ultrasonic-assisted soldering method of tin-based lead-free composite solder reinforced with nickel-plating graphene includes the following steps: preparing nickel-plating graphene reinforced phase by dry method; nickel-plating graphene reinforced tin-based lead-free composite solder was prepared by ball milling, pressing, sintering, extrusion and other processes. The elements of the solder include 1.0 -3.5 percent of Ag, 0.4 percent-0.8 percent of Cu, 0.08 percent-0.11 percent of Re, 0.01 percent-0.11 percent of graphene, 0.01 percent-0.11 percent of Ni, 0.01 percent-0.11 percent of sodium dodecyl sulfate and the balance of Sn. Before soldering, the surface of copper substrate is polished and cleaned. During soldering, the thin strip solder is placed between two copper substrates by heating in the furnace, and ultrasonic vibration is applied. According to the invention, the excellent mechanical properties of nickel-plating graphene are utilized to improve the strength of lead-free solder, and at the same time, the oxide film on the surface of the composite solder and the copper substrate is removed by ultrasonic action, so that the agglomeration and floating of nickel-plating graphene in the soldering process are effectively inhibited, thereby obtaining a soldering joint with excellent performance.

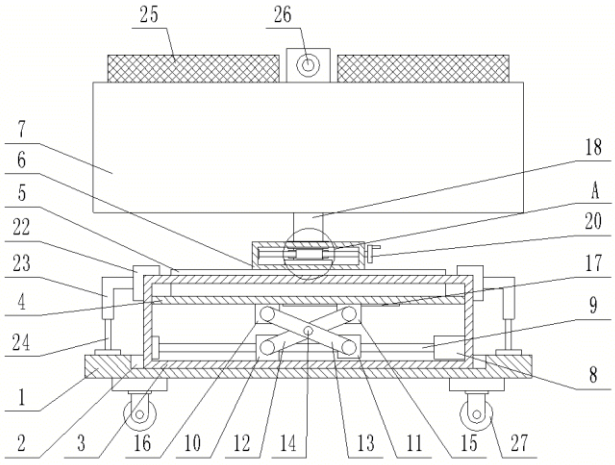


21: 2023/04448. 22: 2023/04/17. 43: 2023/10/24
51: B43L
71: Jilin Sport University
72: GAO Haiyan

54: ADJUSTABLE DOUBLE-SIDED CHINESE LANGUAGE AND LITERATURE EDUCATION EXPLANATION DEVICE

00: -

The invention discloses an adjustable double-sided Chinese language and literature education explanation device, which comprises a bottom plate, wherein the middle part of the top end of the bottom plate is provided with a fixing groove, a support frame is detachably installed in the fixing groove, a support plate is slidably installed on the inner wall of the support frame, a height adjusting mechanism is arranged in the support frame, and the height adjusting mechanism is used for adjusting the height of the support plate; the top end of the support frame is provided with a through hole, and a receiving frame is slidably arranged in the through hole, and the receiving frame is fixedly installed at the top end of the support plate; a rotating frame is fixedly installed at the top end of the receiving frame; an angle adjusting mechanism is installed on the rotating frame; and a double-sided explanation panel is fixedly installed at the top end of the angle adjusting mechanism. The device of the invention is simple in structure and convenient to use, and the height of the desktop can be adjusted according to the needs of users when in use, so as to adapt to different height requirements, which is convenient and fast, and has the advantages of simple operation, good teaching effect and good display effect, etc., which can improve students' attention to this part and improve learning efficiency.



21: 2023/04449. 22: 2023/04/17. 43: 2023/10/24
51: A01G
71: HEILONGJIANG GREEN FOOD SCIENCE RESEARCH INSTITUTE, NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Fenglan, ZHANG, Ying, LI, Xiaozhong, WANG, Xuan, HE, Fumeng, FENG, Xu, XU, Yongqing, FENG, Yanzhong, WANG, Xue, ZHOU, Changjun, SHI, Qihai

54: RICE YEAST SELENIUM-RICH AGENT AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention discloses fermentation preparation and effect evaluation of a rice yeast selenium-rich agent. The rice yeast selenium-rich agent comprises the following raw materials in parts by weight: 15-45 g of sodium selenite powder, 30 g of yeast, 30 g of brown sugar and 3 L of EM bacteria liquid. A preparation method comprises: (1) weighing each raw material; (2) putting the weighed raw materials into a 3 L fermentation tank; fully mixing; and performing culture at room temperature; and (3) fully shaking every day; and obtaining a yeast selenium-rich agent with a concentration of 5-15 g/L after 35 d. The rice yeast selenium-rich agent in the present invention can improve an organic selenium content and a yield of rice and protect the environment, has low preparation cost, can improve economic benefits and is more suitable for practical production.

21: 2023/04450. 22: 2023/04/17. 43: 2023/10/24
51: C02F
71: Agricultural Engineering Technology Institute, Fujian Academy of Agricultural Sciences, Agricultural Bio-Resources Research Institute, Fujian Academy of Agricultural Sciences
72: XU Qingxian, RUAN Chuanqing, WU Xiaomei, WU Feilong, YE Meifeng

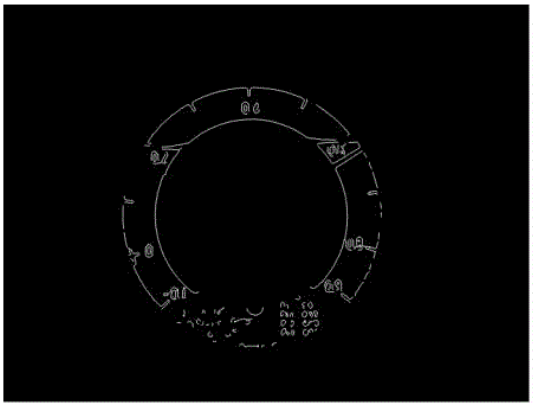
54: MICROBIAL INOCULUM FOR PURIFYING BREEDING WASTEWATER AND PREPARATION METHOD THEREOF

00: -

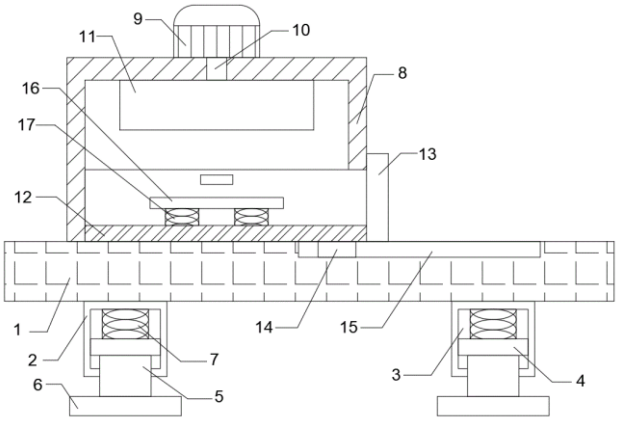
Disclosed are a microbial inoculum for purifying breeding wastewater and a preparation method thereof, and relate to the technical field of wastewater purification. The preparation method of the microbial inoculum includes: adding volcanic rocks into the composite bacterial liquid obtained by mixing the bacterial solutions of Bacillus marisflavi, Lactobacillus buchneri and Rhodococcus pyridinovorans, shaking and mixing uniformly, transferring to sodium alginate solution, mixing uniformly, dropping the mixture into CaCl2 solution to form gel beads, placing and filtering out to obtain

the microbial inoculum. The selected microbial strains have reasonable compatibility, and the microbial inoculum for efficiently purifying breeding wastewater is prepared through immobilization technology. At the same time, the microbial inoculum may be reused for 3-5 times, and the shelf life may be extended to 90-120 days, realizing the repeated and efficient utilization of microbial inoculum and providing theoretical and technical guidance for the treatment of livestock and poultry breeding wastewater.

21: 2023/04451. 22: 2023/04/17. 43: 2023/10/24
51: G06K
71: Shenyang University of Technology
72: LI, Dejian, BAI, Jinshuo, LI, Shaoli
33: CN 31: 2022115154488 32: 2022-11-30
54: UNIVERSAL METER POINTER READING RECOGNITION METHOD BASED ON TEMPLATE MATCHING
00: -
The present invention belongs to the technical field of machine vision, and particularly relates to a universal meter pointer reading recognition method based on template matching. Through the method, meter pointer reading recognition can be achieved accurately and stably. The method includes: S1, acquiring an image of a template dial, where the image of the dial includes an outer frame of a meter, and a meter pointer and a dial located inside the outer frame of the meter; S2, performing pre-processing according to the image of the template dial; and then establishing a dial positioning template, a meter pointer positioning template, a dial zero coarse positioning template and a fine positioning template; and S3, performing template matching.



21: 2023/04453. 22: 2023/04/17. 43: 2023/10/24
51: F16P
71: Jiangsu College Of Safety Technology
72: Li Jiajia, Hou Chun, Zhao Jianjun
33: CN 31: 202210562667.5 32: 2022-05-23
54: A MECHANICAL AND ELECTRICAL EQUIPMENT WITH SAFETY PROTECTION FUNCTION
00: -
The present invention discloses an electromechanical device with safety protection function, comprising a workbench. A protective shell is fixedly installed at the top of the workbench, and a driver is fixedly connected to the top of the protective shell. The output end of the driver is fixedly connected to a driving rod. The driving rod extends into the inside of the protective shell from the upper inner wall of the pipe material, and the other end of the driving rod is fixedly connected to a processing device. A concave plate is also provided inside the protective shell, one end of which is arranged on the inner side wall of the pipe material of the protective shell, and a fixed plate is fixedly connected at this end of the concave plate. The present invention has strong protective capabilities and will not cause harm to the equipment operator. The operator can see the processing situation from the outside and make timely reactions to ensure smooth processing. The invention can also reduce the vibration during equipment operation and make material clamping more stable, thereby facilitating the use of the device.



21: 2023/04454. 22: 2023/04/17. 43: 2023/10/24
51: A23F; G06T
71: CHINA INSTITUTE OF WATER RESOURCES AND HYDROPOWER RESEARCH, HAIHE RIVER WATER CONSERVANCY COMMISSION, MWR, CHINA WATER RESOURCES BEI FANG INVESTIGATION, DESIGN&RESEARCH CO.LTD, POWERCHINA BEIJING ENGINEERING CORPORATION LIMITED
72: YU Haijun, WU Binbin, MU Jie, LI Chenliang, JIAO Ying, MA Jianming, ZHANG Dawei, ZHANG Hongbin, CAO Daling, NIE Wenli, YU Wangyang, WANG Kaifeng, WANG Tong, ZHANG Jiabin, ZHANG Xin

54: CONSTRUCTION METHOD OF HYDRODYNAMIC SIMULATION PLATFORM BASED ON DIRECTX DISPLAY TECHNOLOGY

00: -

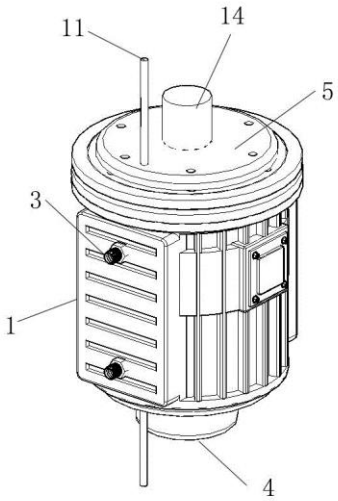
The invention relates to a method for constructing a hydrodynamic simulation platform based on DirectX display technology. Comprises a GIS engine layer, and the IS engine layer is provided with a data IO interface module, a graphic rendering module, a task management module, a human-computer interaction interface and an interface description module of basic spatial metadata. Based on the GIS engine layer, a two-dimensional plane map scene visualization platform is established, which is provided with a raster data management module, a vector data management module and a map display interaction module. According to the data collection, the hydrodynamic model is established to simulate the water flow in different areas.

21: 2023/04458. 22: 2023/04/17. 43: 2023/10/24
51: H02K
71: West Anhui University
72: Chengling Lu, Gang Zhang

54: A MOTOR STRUCTURE FOR REDUCING BEARING TEMPERATURE RISE AND A MANUFACTURING METHOD THEREOF

00: -

The invention discloses a motor structure for reducing bearing temperature rise and a manufacturing method thereof, which relates to the technical field of motors, and a motor structure for reducing bearing temperature rise, comprising a device body, wherein the device body comprises a first kit, a first shaft seat, a stator and a bearing, a water inlet is arranged on one side of the device body, and a water outlet is arranged above the water inlet. The first shaft seat is installed at the bottom of the main body of the device through a bolt, the first shaft seat is connected with the bearing rotation, the other end of the bearing is connected with the second shaft seat rotation, through the stator external sequentially coated with thermal film, mica belt, alkali free glass ribbon, so as to form a thermal conductivity channel in the entire insulation structure, Thus, it is beneficial to improve the internal thermal conductivity efficiency of the motor and improve the internal insulation of the motor, which is conducive to reducing the axial current and the heat generated in the motor, prolong the service life of the motor, and reduce the heat generated by the bearing when the motor is doing work.



21: 2023/04459. 22: 2023/04/17. 43: 2023/10/24
51: B62D
71: AXICLE, INC
72: KRUG, Stephen Leo

33: US 31: 63/085,235 32: 2020-09-30
33: US 31: 63/185,887 32: 2021-05-07
33: US 31: 17/490,927 32: 2021-09-30

54: BREAKAWAY FIFTH WHEEL COUPLING

00: -

A breakaway fifth wheel coupling may couple a semi-tractor to a semi-trailer. In one embodiment, a breakaway fifth wheel coupling may include a top plate, a bottom brace, and a release mechanism that releasably attaches the top plate to the bottom brace. When a rollover event is detected, the release mechanism may allow the top plate to release from the bottom brace, thereby allowing the semi-tractor to separate from the semi-trailer. The fifth wheel coupling may include a pair of pivot rails that promote consistent decoupling of the top plate from the bottom brace. The breakaway fifth wheel coupling may reduce the likelihood of the semi-tractor participating in a rollover accident.

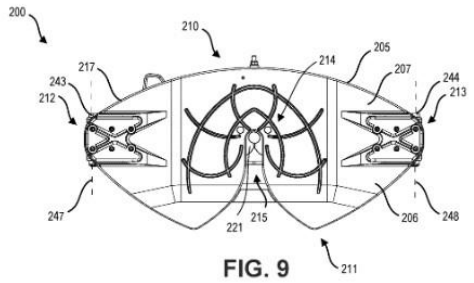


FIG. 9

21: 2023/04474. 22: 2023/04/17. 43: 2023/10/24
51: B60L; H02H
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO. LTD.
72: WANG Chao
33: CN 31: 202022550192.7 32: 2020-11-06

54: TEMPERATURE CONTROL PROTECTION DEVICE AND CORRESPONDING CHARGING DEVICE

00: -

A temperature control protection device and a corresponding charging device. The temperature control protection device comprises: a temperature acquisition unit (101); a comparison unit (102) configured to compare an environment temperature signal with a preset reference voltage and output a first comparison result; a control unit (103) configured to compare the environment temperature signal with a preset threshold and output a second comparison result; a driving unit (104) configured to output a driving signal to a switch unit (105) according to the first comparison result or the second comparison result, wherein the driving signal is used for connecting or disconnecting the switch unit (105); and the switch unit (105) configured to output charging current when being conducted. According to the temperature control protection device and the charging device applying the temperature control protection device, multi-protection of temperature monitoring in the charging process can be realized, and the charging safety is improved.

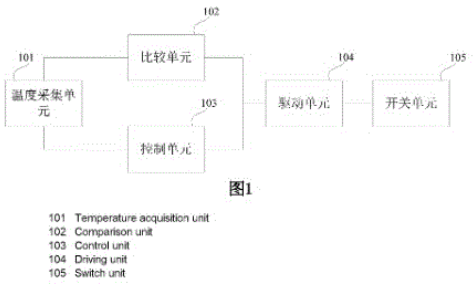


图1

101 Temperature acquisition unit
102 Comparison unit
103 Control unit
104 Driving unit
105 Switch unit

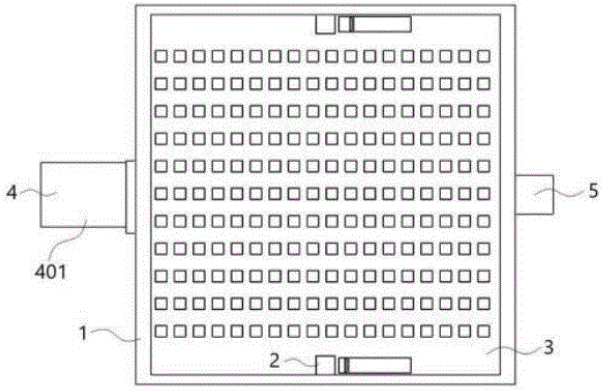
21: 2023/04480. 22: 2023/04/18. 43: 2023/10/24
51: C02F
71: Institute of Water Resources for Pastoral Area, MWR
72: WANG, Wenjun, WU, Yingjie, ZHOU, Quancheng, MIAO, Henglu, YIN, Hang, QUAN, Qiang, LI, Wei, ZHAO, Shuixia, CHEN, Xiaojun, ZHANG, Weijie, SUN, Lixin, ZHAO, Qian, WANG, Sinan
33: CN 31: 2022108911680 32: 2022-07-27

54: IMPURITY-REMOVING AND WATER-SAVING PURIFICATION DEVICE FOR WATER QUALITY OF WATER CONSERVANCY PROJECT

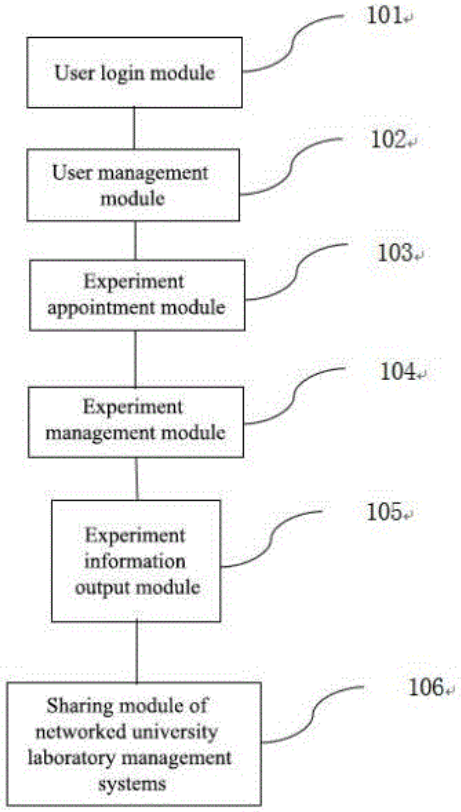
00: -

Disclosed is an impurity-removing and water-saving purification device for water quality of a water conservancy project. The device includes a box body provided with mounting blocks. The filtering assembly includes a fixing plate provided with clamping grooves. A mounting groove is provided in the fixing plate, first filtering holes are provided in the mounting groove, a filtering plate is arranged in the mounting groove, and a filtering unit is arranged in the filtering plate. An aeration assembly is further arranged in the box body, and a controller is arranged on the box body. When impurity removal is performed on a water source, a microbial fertilizer and the water source are mixed by means of stirring of blades, filtering and impurity removal are

performed on the mixed water source by means of a plurality of nuclear pore membranes, and the water source is oxygenated by means of an aeration pipe.

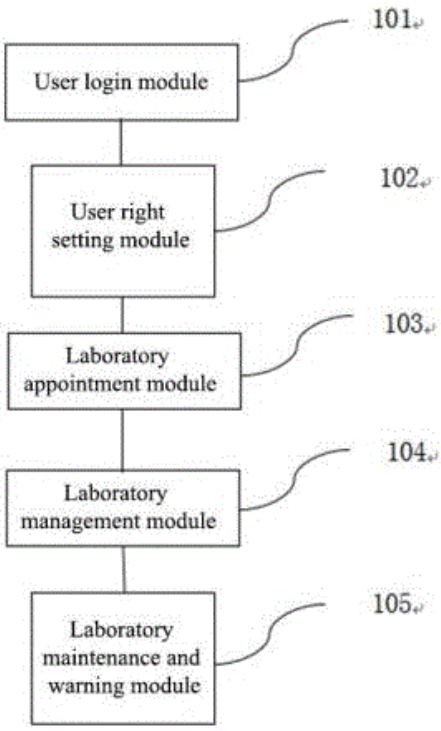


21: 2023/04481. 22: 2023/04/18. 43: 2023/10/24
51: G06F
71: Guizhou Medical University
72: ZHANG, Peng, ZHAO, Guojing, ZHOU, Yanhua, SU, Min, LUO, Peng, FAN, Anran, SHENG, Changhong, ZENG, Zhu, GUO, Bing, HE, Zhixu
54: MANAGEMENT SYSTEM FOR SCIENTIFIC RESEARCH OF SUBJECT GROUPS IN LABORATORIES
00: -
The present invention relates to a management system for scientific research of subject groups in laboratories, which includes a user login module, a user management module, an experiment appointment module, an experiment management module, an experiment information output module, and a sharing module of networked university laboratory management systems. The present invention provides the management system for scientific research of subject groups in laboratories to improve the efficiency of scientific research management.



21: 2023/04482. 22: 2023/04/18. 43: 2023/10/24
51: G06F
71: Guizhou Medical University
72: ZHANG, Peng, ZHAO, Guojing, FAN, Anran, SU, Min, LUO, Peng, ZHOU, Yanhua, HUANG, Wenzhu, ZENG, Zhu, GUO, Bing, HE, Zhixu
54: SYSTEM FOR LABORATORY STANDARDIZATION
00: -
The present invention relates to a system for laboratory standardization, which includes a user login module configured to identify and verify users' identities, where the users include a subject group leader and subject group members; a user right setting module configured to limit the users' operation; a laboratory appointment module configured to provide appointments for application for use of laboratories; a laboratory management module configured for reagent consumable management, cell and sample preservation, plasmid management, experiment animal management, laboratory instrument appointment management, and experiment funds management; and a laboratory maintenance and warning module. The

present invention provides the system for laboratory standardization to improve the efficiency of laboratory operation.



21: 2023/04483. 22: 2023/04/18. 43: 2023/10/24
51: A01G
71: Bozhou University
72: XU Xianmeng, LIANG Caiqing, PU Shunchang, LU Ning, WANG Jungang

54: METHOD FOR CULTIVATING PEANUT BUDS ENRICHED WITH RESVERATROL

00: -

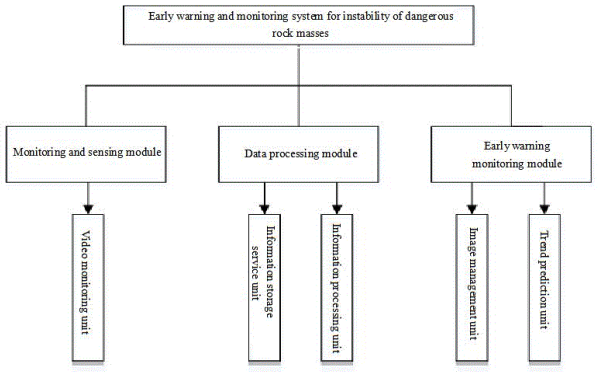
Disclosed is a method for cultivating peanut buds enriched with resveratrol, including: S1: peanut sorting; S2: peanut hulling; S3: seed selection; S4: seed disinfection; S5: seed washing; S6: seed soaking with CuSO4 solution: soaking peanut seeds in a seed tray; S7, ultrasonic treatment: carrying out ultrasonic treatment on peanut seeds; S8, seed germination accelerating: making the seeds sprout and germinate; and S9, germination collection: collecting peanut buds enriched with resveratrol. The invention utilizes green low-frequency ultrasonic technology and enzyme activator metal copper ions to induce peanut seeds to germinate synergistically. Then the activities of four key enzymes, phenylalanine ammonia-lyase (PLA), cinnamic acid-4-hydroxylase (C4H), 4-coumaric acid-CoA ligase (4CL) and resveratrol synthase (RS), in the resveratrol synthesis pathway of peanut bud are improved, the resveratrol content in peanut bud is increased, and the peanut buds enriched with resveratrol are produced to meet the needs of human nutrition, health care and disease prevention.

21: 2023/04486. 22: 2023/04/18. 43: 2023/10/24
51: G01D; G08B
71: Shenyang University of Technology
72: LIU Guoyang, LUO Shouyi, LIU Junjie, LIU Jianping, MENG Jin, NING Baokuan, ZHAO Shengze, ZHONG Zhirui
33: CN 31: 2022104335831 32: 2022-04-24

54: EARLY WARNING AND MONITORING SYSTEM FOR INSTABILITY OF DANGEROUS ROCK MASSES

00: -

The invention relates to an early warning and monitoring system for instability of dangerous rock masses, which comprises a monitoring and sensing module, a data processing module and a monitoring and sensing module, wherein the monitoring and sensing module is used for collecting dangerous rock masses and meteorological data and sending them to a data processing module; The data processing module is used for storing, analyzing and processing the dangerous rock mass and meteorological data, and transmitting the results to the early warning monitoring module; An early warning monitoring module, which is used for evaluating disaster grade and issuing disaster early warning based on the results obtained by the data processing module; The monitoring sensing module, the data processing module and the early warning monitoring module are connected in sequence. Accord to that invention, signals and attitude information collect by different sensors are subjected to cross-correlation analysis through the data processing module to judge the state of dangerous rock mass, so that the problems of high cost and untimely early warning of the existing dangerous rock mass early warning method are solved.



21: 2023/04487. 22: 2023/04/18. 43: 2023/10/24
51: A23L
71: Institute of Agricultural Products Processing and Food Science, Tibet Academy of Agricultural and Animal Husbandry Sciences
72: Zhang Wenhui, Yan Yingying, Tian Yuting, Meng Shengya
33: CN 31: 2022107257783 32: 2022-06-24
54: HIGHLAND BARLEY SOY SAUCE AND BREWING METHOD THEREOF
00: -
The invention belongs to the technical field of food processing, and particularly discloses highland barley soy sauce and a brewing method thereof. And the highland barley soy sauce is prepared from the following raw materials in parts by weight: 20-30 parts of highland barley, 30-40 parts of Tibetan peas, 10-15 parts of bran, 30-45 parts of flour, 220-250 parts of highland barley salt solution, 0.02-0.025 part of inorganic salt, 0.1-0.2 part of biotin and 3-5 parts of soy leaven. According to the invention, a high-salt dilute fermentation process is adopted, and highland barley salt solution is used to carry out liquid fermentation on finished leaven, so as to develop highland barley soy sauce with highland barley as the main raw material. And the highland barley soy sauce has good performance in umami taste, sweetness, aroma and the like.

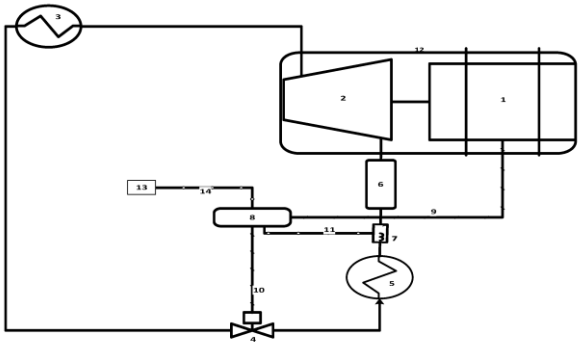
21: 2023/04488. 22: 2023/04/18. 43: 2023/10/24
51: A23F
71: Guizhou Provincial Tea Research Institute
72: Zhang Xiaoqin, Wang Jialun, Zeng Tingting, Liu Guanqun
33: CN 31: 2023102218471 32: 2023-03-09
54: FERTILIZING METHOD FOR IMPROVING AROMA PRECURSORS OF GREEN TEA FRESH LEAVES
00: -
The invention discloses a fertilizing method for improving the aroma precursors of green tea fresh leaves, which comprises the following steps: selecting soil cakes to determine the acidity and alkalinity of soil, digging a furrow for planting, applying base fertilizer and transplanting tea trees;when a picking surface is formed in the next year, applying topdressing in March and July every year, spraying water-soluble fertilizer in May and applying base fertilizer in October; the ratio of base fertilizer to the two topdressings is 13:5:3, and the ratio of potassium fertilizer is 16: 5: 3. After the tea canopy forms a picking surface, topdressing is applied in February, May and July every year, and base fertilizer is applied in October; the ratio of base fertilizer to three topdressings is 15:5:5:3, and the ratio of potassium fertilizer is 18:5:5:3. In the base fertilizer, the content of potassium fertilizer is 50 g/kg, and the content ratio of organic matter, nitrogen fertilizer, phosphorus fertilizer and potassium fertilizer is 20:10:4:5, and the rest are trace elements. In topdressing, the content of potassium fertilizer is 40 g/kg, the content ratio of nitrogen fertilizer, phosphorus fertilizer and potassium fertilizer is 20:2:4, and the rest are trace elements. The invention can effectively improve the content of glycosidic aroma precursors in the raw materials of green tea, and further improve the aroma quality of tea.

21: 2023/04489. 22: 2023/04/18. 43: 2023/10/24
51: A23F
71: Guizhou Provincial Tea Research Institute
72: Shen Qiang, Zhang Xiaoqin, Zheng Wenjia, Yang Xiaowei, Luo Jinlong
33: CN 31: 2023101285089 32: 2023-02-17
54: RECONSTITUTED GREEN TEA WITH HIGH GAMMA-AMINOBUTYRIC ACID CONTENT AND PREPARATION METHOD THEREOF
00: -
The invention discloses a reconstituted green tea with high gamma-aminobutyric acid content and a preparation method thereof, which comprises treated gamma-aminobutyric acid tea, chrysanthemum petals and baked green tea. The gamma-aminobutyric acid tea was prepared by freezing, intermittent anaerobic, microwave and infrared, and then the treated gamma-aminobutyric acid tea was mixed with fresh chrysanthemum petals for enzyme

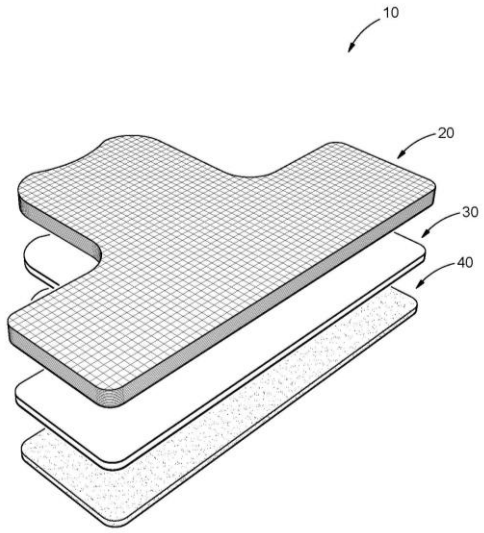
water removal. In the process of enzyme deactivation, with the drying of the two, the aroma blends with each other. Chrysanthemum petals enhance the taste level of tea and make the product odorless. Finally, it is mixed with baked green tea to enhance the tea aroma of tea. By controlling the proportion of the three, different consumer needs can be met, and the content of gamma-aminobutyric acid in reconstituted green tea can be improved as a whole, so that it can meet the daily health needs and improve the product quality.

21: 2023/04494. 22: 2023/03/17. 43: 2023/10/24
51: C04B; C22B
71: MINTEK
72: ROBERTSON, Stefan Walters, MXINWA, Sibabalwe, BASSON, Petrus, NDHLALOSE, Mpumelelo Success, NXUMALO, Duduzile Nontobeko
33: ZA 31: 2020/05688 32: 2020-09-14
54: BINDER FOR AN AGGLOMERATION PROCESS
00: -
A binder for use in leaching a heap of a low-permeability ore containing at least one of the following: copper ore, copper / cobalt ore, nickel laterite ore and uranium ore, wherein the binder comprises an acid-proof cement formed by modifying ordinary Portland cement (OPC) with a supplementary cementitious material (SCM).

21: 2023/04499. 22: 2023/04/18. 43: 2023/10/24
51: C09K
71: RPL HOLDINGS LIMITED
72: POOLE, John Edward, POWELL, Richard Llewellyn
33: EP 31: 20203466.6 32: 2020-10-22
33: GB 31: 2103406.1 32: 2021-03-11
54: THERMAL PUMP REFRIGERANTS
00: -
A refrigerant consisting or consisting essentially of: a) a nonflammable high volatility component consisting of carbon dioxide, and b) a nonflammable low volatility component selected from the group consisting of: HFO1224yd(Z), HFO1224yd(E), HFO1233zd(E), HFO1233zd(Z), HFO1233xf, HFO1336mzz(E), HFO1336mzz(Z), 2-bromo-3,3,3-trifluoroprop-1-ene and mixtures thereof; c) an intermediate volatility component selected from the group consisting of: HFO1234yf, HFO1234ze(E), HFO1225ye(Z), HFO1243zf and mixtures thereof; and d) optionally a component selected from the group consisting of HFC227ea, HFC152a, HFC32 and mixtures thereof.



21: 2023/04500. 22: 2023/04/18. 43: 2023/10/24
51: A41D; F41H
71: IMPORT KALEIDOSCOPE CC
72: VAN SCHALKWYK, Marius Wilken, NAUDÉ, Hendrik Petrus
33: ZA 31: 2020/06465 32: 2020-10-19
54: AN IMPACT PROTECTIVE COMPOSITE MATERIAL
00: -
This invention pertains to an impact protective composite material (10) for a flexible bulletproof garment. The impact protective composite material (10) includes a first element (20) that comprises a plurality of layers (20.1 to 20.n) formed from ultra-high molecular weight polyethylene and a second element (30) that comprises a layer formed from ultra-high molecular weight polyethylene, the second element being encased in polyurea.



21: 2023/04508. 22: 2023/04/18. 43: 2023/10/24
51: B01L; G01N
71: UNIVERSITY OF SOUTH AUSTRALIA
72: PRIEST, Craig, SHALLAN, Aliaa, BREADMORE, Michael, KASHANI, Moein Navvab
33: AU 31: 2020903645 32: 2020-10-08
54: MICROFLUIDIC DEVICE AND METHOD FOR ANALYSIS OF A PARTICULATE SAMPLE
00: -
The present invention relates generally to devices able to manipulate, process, treat, sort, measure and/or analyse samples at a micro level, commonly referred to as microfluidic devices. In particular, the present invention relates to a microfluidic device that can be used for the analysis of particulate samples, such as by the leching at a micro level of a crushed rock particulate sample from a mineral ore body and the subsequent analysis of the leachate. The present invention also relates to a method for the use of a microfluidic device for the analysis of a particulate sample.

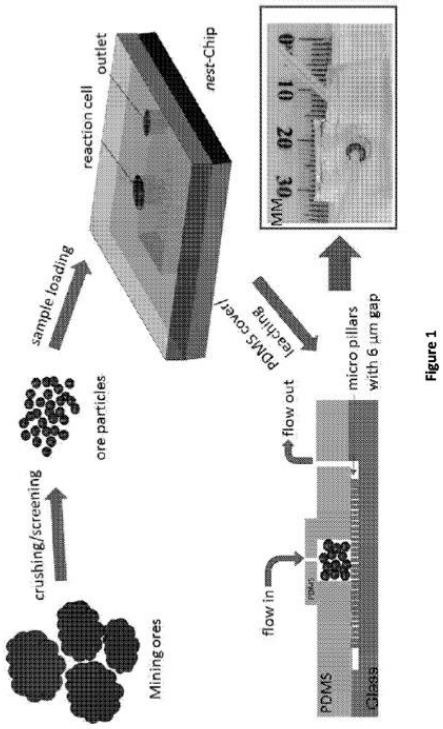
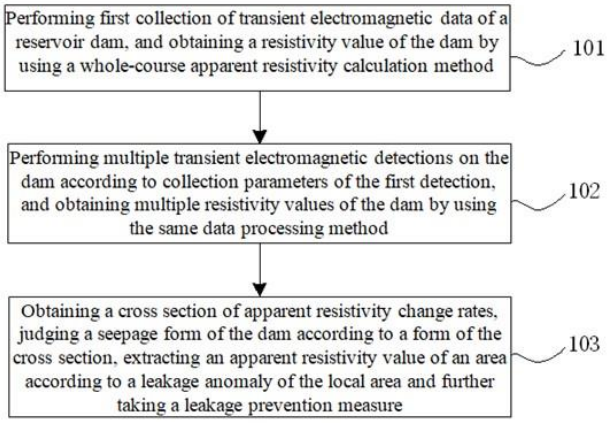


Figure 1

21: 2023/04521. 22: 2023/04/18. 43: 2023/10/24
51: G01V
71: ZHEJIANG GUANGCHUAN ENGINEERING CONSULTING CO.,LTD., ZHEJIANG INSTITUTE OF HYDRAULICS & ESTUARY (ZHEJIANG INSTITUTE OF MARINE PLANNING AND DESIGN), ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: TAN, Lei, JIANG, Xiaoyi, XU, Hu, HU, Xiaoming, JIANG, Shuhai, LIANG, Donghui, LIU, Fuda, YU, Jiongqi
33: CN 31: 202310359350.6 32: 2023-03-31
54: DAM TIME-SHIFT MONITORING METHOD AND SYSTEM BASED ON SHALLOW TRANSIENT ELECTROMAGNETIC METHOD
00: -
The present invention discloses a dam time-shift monitoring method and system based on a shallow transient electromagnetic method. The method comprises the following steps: performing first collection of dam transient electromagnetic data; obtaining a whole-course apparent resistivity value as an initial apparent resistivity value of a dam; obtaining transient electromagnetic data of the dam in different periods; obtaining apparent resistivity values in the different periods correspondingly respectively; obtaining a cross-section diagram of apparent resistivity change rates according to the

initial apparent resistivity value and the apparent resistivity values in the different periods; and judging a seepage hidden danger of the dam according to curve distribution of the apparent resistivity change rates and a situation that an apparent resistivity change rate value is less than 1. The system comprises: a transient electromagnetic host, a transceiver coil and a processing platform.



21: 2023/04522. 22: 2023/04/19. 43: 2023/10/25
51: C03C
71: Shandong Jingyao Glass Group Co.Ltd
72: Zhen FU, Yong TANG, Shoulu ZHANG, Wencai BO, Guoming YU
54: A PREPARATION METHOD OF HEALTHY AND ENVIRONMENTALLY FRIENDLY BROWN GOLD GLASS FOR PACKAGING
00: -
The invention discloses a preparation method of healthy and environmentally friendly brown gold glass for packaging, the 95-105 portions of quartz sand, 20-22 portions of feldspar, 25-40 portions of soda ash, 31-34 portions of limestone, 2-3 portions of barite, 0.5-1 portions of anhydrous sodium sulfate, and 0.8-1.5 portions of carbon powder are fed from the silo by electromagnetic vibration, accurately weighed by an electronic scale, and transported through a conveyor belt. In the process, 245-270 portions of pure brown broken glass and 64-68 portions of pure green broken glass are evenly scattered on each raw material and sent to the mixer for uniform mixing. It is sent to the hopper of the furnace head and melted into the furnace at high temperature to make a glass liquid suitable for forming. After forming a glass droplet suitable for forming through the feeding channel and feeding mechanism, it is made into a determinant bottle making machine by pressure-blowing process, and the finished product can be obtained after annealing. The product prepared by the invention is brown gold, which is brighter than the existing brown bottle color. The raw materials are ordinary raw materials and do not need to use expensive reducing agents. The amount of broken glass is more than 60 %, the energy consumption is greatly reduced, and the emission of carbon dioxide is reduced.

21: 2023/04523. 22: 2023/04/19. 43: 2023/10/25
51: A01G
71: HEILONGJIANG GREEN FOOD SCIENCE RESEARCH INSTITUTE, NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Fenglan, LI, Xiaozhong, ZHANG, Ying, WANG, Xuan, XU, Yongqing, HE, Fumeng, FENG, Xu, FENG, Yanzhong, WANG, Xue, ZHOU, Changjun
54: COLD-REGION CORN STALK DECOMPOSED MATRIX SOIL FOR CUCUMIS SATIVUS SEEDLING CULTURE AND PREPARATION METHOD AND APPLICATION THEREOF
00: -
The present invention discloses cold-region corn stalk decomposed matrix soil for Cucumis sativus seedling culture, and a preparation method and application thereof. The cold-region corn stalk decomposed matrix soil for Cucumis sativus seedling culture comprises the following raw materials in parts by weight: 2 parts of corn stalk decomposed material, 1 part of vermiculite and 1 part of perlite. The preparation method comprises: (1) adding a low-temperature decomposing microbial agent into corn stalks for stacking and decomposing; (2) weighing the raw materials; and (3) mixing the corn stalk decomposed material, the vermiculite and the perlite to obtain the matrix soil. Physical and chemical properties and nutrient contents of the cold-region corn stalk decomposed matrix soil of the present invention are all within ideal ranges.

21: 2023/04524. 22: 2023/04/19. 43: 2023/10/25
51: A01G
71: HEILONGJIANG GREEN FOOD SCIENCE RESEARCH INSTITUTE, NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Fenglan, ZHANG, Ying, WANG, Xuan, LI, Xiaozhong, HE, Fumeng, FENG, Xu, XU, Yongqing,

FENG, Yanzhong, WANG, Xue, ZHOU, Changjun, YANG, Yan

54: COLD-REGION CORN STALK DECOMPOSED MATRIX SOIL FOR CAPSICUM ANNUUM SEEDLING CULTURE AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention discloses cold-region corn stalk decomposed matrix soil for Capsicum annuum seedling culture and a preparation method and application thereof. The cold-region corn stalk decomposed matrix soil for Capsicum annuum seedling culture comprises the following raw materials in parts by weight: 1 part of corn stalk decomposed material, 1 part of vermiculite and 1 part of perlite. The preparation method comprises: (1) adding a low-temperature decomposing microbial agent into corn stalks for stacking and decomposing; (2) weighing the raw materials; and (3) mixing the corn stalk decomposed material, the vermiculite and the perlite to obtain the matrix soil. Physical and chemical properties and nutrient contents of the cold-region corn stalk decomposed matrix soil of the present invention are all within ideal ranges.

21: 2023/04527. 22: 2023/04/19. 43: 2023/10/24

51: G06K

71: Mr.Neeraj Kumar, Mrs.Reena Singh, Mrs.Divya Mishra, Dr.Phani Kumar Solleti, Dr.J.Deepika Roselind, Dr.Kazi Kutubuddin Sayyad Liyakat, Mr. Anandbabu Gopatoti, Dr.Sushma Jaiswal, Mr.Tarun Jaiswal, Dr.Farhad F Mehta

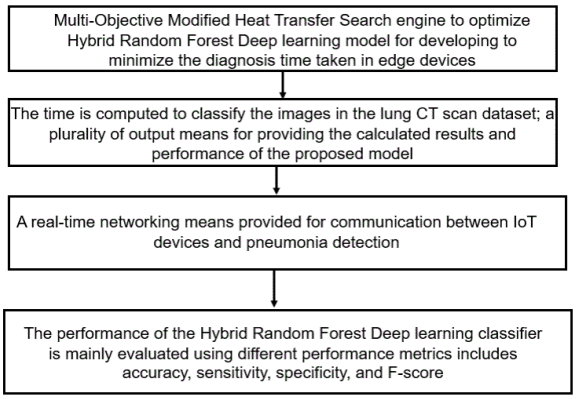
72: Mr.Neeraj Kumar, Mrs.Reena Singh, Mrs.Divya Mishra, Dr.Phani Kumar Solleti, Dr.J.Deepika Roselind, Dr.Kazi Kutubuddin Sayyad Liyakat, Mr. Anandbabu Gopatoti, Dr.Sushma Jaiswal, Mr.Tarun Jaiswal, Dr.Farhad F Mehta

33: IN 31: 202321009160 32: 2023-02-12

54: AN EDGE CLOUD - BASED SYSTEM WITH HYBRIDIZED RANDOM FOREST DEEP LEARNING CLASSIFICATION MODEL FOR PNEUMONIA IDENTIFICATION

00: -

The present invention discloses an Edge cloud - based system with hybridized random forest deep learning classification model for pneumonia identification. In the present invention, a Multi-Objective Modified Heat Transfer Search engine to optimize Hybrid Random Forest Deep learning model for developing to minimize the diagnosis time taken in edge devices; wherein the time is computed to classify the images in the lung CT scan dataset; a plurality of output means for providing the calculated results and performance of the proposed model. In addition, a real-time networking means provided for communication between IoT devices and pneumonia detection via the Multi-Objective Modified Heat Transfer Search engine optimized Hybrid Random Forest Deep learning classifier with supported resources with minimal computation and minimum storage. Further, the system is provided for both the lung CT scan dataset and the Chest X-ray images (Pneumonia) datasets with minimal computational time, and storage, which is based on the simulation outcomes.



21: 2023/04528. 22: 2023/04/19. 43: 2023/10/17

51: A61K

71: Dr.Richa Sood, Dr.V.Kiran Kumar, Dr.Swapna Velivela, Mr.Mayankesh Pandey, Dr.B.Ravindra Babu, Dr.Shaheena Sohi, Mr.Bikash Ranjan Jena, Dr.Santhisree. Vemulapalli, Prof(Dr.).Arnabaditya Mohanty, Mr.Satyabrata Jena

72: Dr.Richa Sood, Dr.V.Kiran Kumar, Dr.Swapna Velivela, Mr.Mayankesh Pandey, Dr.B.Ravindra Babu, Dr.Shaheena Sohi, Mr.Bikash Ranjan Jena, Dr.Santhisree. Vemulapalli, Prof(Dr.).Arnabaditya Mohanty, Mr.Satyabrata Jena

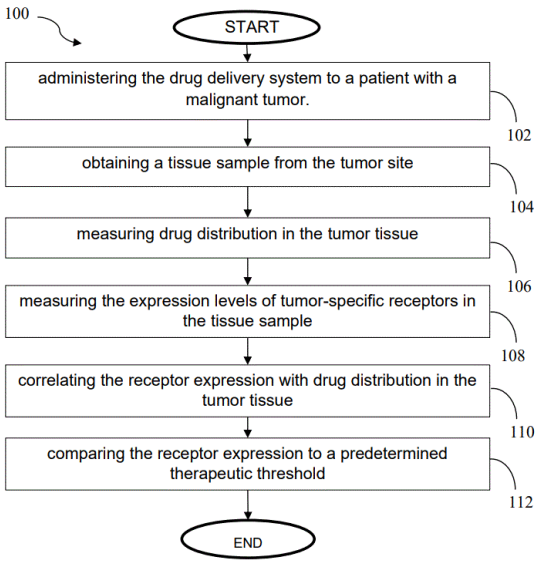
33: IN 31: 202341013115 32: 2023-02-27

54: A METHOD OF CHARACTERIZING AND EVALUATING A TARGETED DRUG DELIVERY FOR MALIGNANT TUMOURS

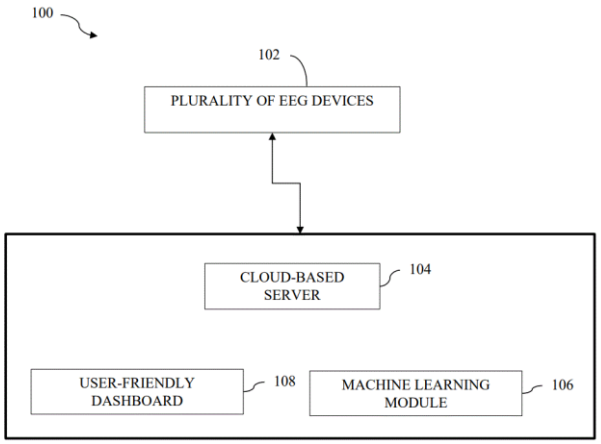
00: -

The present invention relates to a method for characterizing and evaluating a targeted drug delivery system for malignant tumours. The method involves administering the drug delivery system to a patient with a malignant tumour and obtaining a tissue sample from the tumour site. The drug

distribution in the tumour tissue is then measured and compared to a predetermined therapeutic threshold to determine if the drug delivery system is effective. The method also involves measuring the expression levels of tumour-specific receptors in the tissue sample and correlating the receptor expression with drug distribution in the tumour tissue. This provides a more targeted approach to anti-cancer therapy, allowing for optimization of drug delivery to tumour sites and improving therapeutic efficacy. The method can be repeated as necessary to optimize drug delivery efficacy and improve therapeutic outcomes.

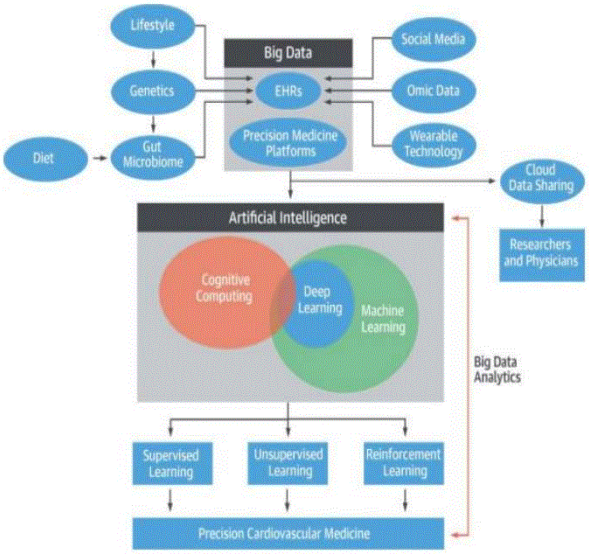


21: 2023/04529. 22: 2023/04/19. 43: 2023/10/17
51: G06F
71: Mr.Anandbabu Gopatoti, Ms.Shikha Gautam, Dr.V.Mahesh Kumar Reddy, Ms.S.Jayachitra, Dr.R.Priya, Dr.Jose Reena K, Dr.A.S.Aneetha, Ms.P.Tamilselvi, Ms.Vishwa Priya V, Mrs.Alina Dash
72: Mr.Anandbabu Gopatoti, Ms.Shikha Gautam, Dr.V.Mahesh Kumar Reddy, Ms.S.Jayachitra, Dr.R.Priya, Dr.Jose Reena K, Dr.A.S.Aneetha, Ms.P.Tamilselvi, Ms.Vishwa Priya V, Mrs.Alina Dash
33: IN 31: 202341013611 32: 2023-02-28
54: COMPREHENSIBLE ARTIFICIAL INTELLIGENCE TO ASSESS CORPORATE SECURITY OPERATIONS USING EEG DATA WITHIN IOT FRAMEWORK
00: -
The present invention relates to a system and method for assessing corporate security operations using EEG data within an IoT framework. The system comprises a plurality of EEG devices worn by employees to record brain activity in the prefrontal cortex, a cloud-based server for real-time data transmission, machine learning module for analyzing the collected EEG data to determine the mental state of each employee, a user-friendly dashboard for presenting the system's outputs, and a security module configured to receive and act upon the system's recommendations in response to identified security risks.

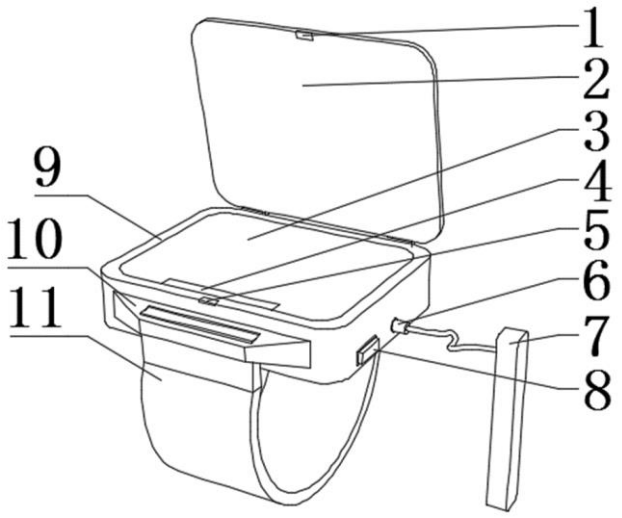


21: 2023/04530. 22: 2023/04/19. 43: 2023/10/17
51: A61P
71: Dr.A.Venkateshwar Reddy, Dr.Chinmaya Mahapatra, Dr. Dillip Kumar Brahma, Dr.Vurathi Sreenivasulu, Dr.Bhaskar Jimidi, Dr.V.Kiran Kumar, Dr.Niranjan Panda, Dr.Goje Arjun, Dr. L. Rajesh Patro, Mr.Satyabrata Jena
72: Dr.A.Venkateshwar Reddy, Dr.Chinmaya Mahapatra, Dr. Dillip Kumar Brahma, Dr.Vurathi Sreenivasulu, Dr.Bhaskar Jimidi, Dr.V.Kiran Kumar, Dr.Niranjan Panda, Dr.Goje Arjun, Dr. L. Rajesh Patro, Mr.Satyabrata Jena
33: IN 31: 202341008072 32: 2023-02-08
54: AN AI AND ML MODELS FOR CARDIOVASCULAR DISEASE DIAGNOSTICS, READMISSION, AND SURVIVAL PREDICTION
00: -
The present invention relates to the development of models based on AI and ML for diagnostics, readmission, and survival prediction of cardiovascular disease. ML, computation, and AI-based systems are steadily being used in medical and healthcare domains. Big data analytics and machine learning enable AI to diagnose and treat cardiovascular diseases. AI-ML applications improve our understanding of heart disease measurements and phenotypes, leading to innovative

cardiovascular disease treatments, pharmacological therapy, and post-marketing drug analysis. AI has many advantages, however data privacy and selection bias may lead to inaccurate conclusions in clinical use and interpretation. Thus, AI and machine learning can revolutionise healthcare. The present invention discloses various cardiovascular diseases (CVDs) and employs AI and ML-based techniques, including supervised, unsupervised, and deep learning, in cardiovascular imaging, risk prediction, and therapeutic target development.

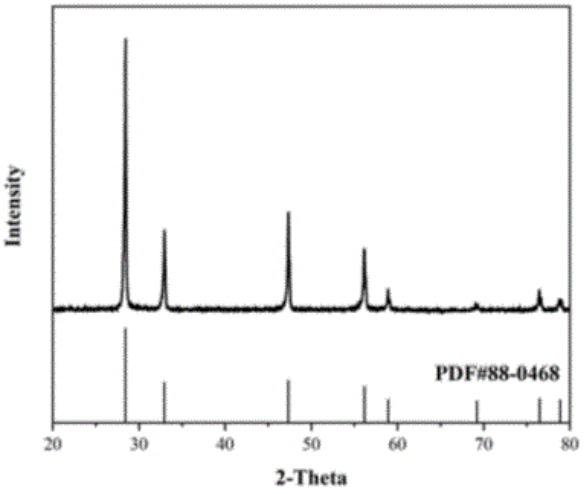


21: 2023/04572. 22: 2023/04/20. 43: 2023/10/26
51: G09B
71: Bozhou University
72: Cheng Zhongfang
54: AN ENGLISH LEARNING MACHINE WITH INTERACTION FUNCTION
00: -
The present invention discloses an English learning machine with interaction function, comprising a housing, the inner bottom of the housing is fixedly connected with a control main-board, the top right part of the control main-board is fixedly connected with a timer, the other end of the data cable is provided with a scanning pen. In the present invention, firstly, the content to be recited is scanned through the scanning pen, so that the English content can be stored in the memory, then set the regular review time through the timer, and the miniature motor drives the eccentric cam to rotate, this vibrates and reminds the learner to review the English content recited at the last forgotten curve node.



21: 2023/04573. 22: 2023/04/20. 43: 2023/10/26
51: C04B
71: Taiyuan University of Technology
72: Xiaomin WANG, Wenyi LI, Yang MIAO, Chufei CHENG, Bei REN
33: CN 31: 2023103371445 32: 2023-03-31
54: A PREPARATION METHOD OF FLUORITE-TYPE HIGH ENTROPY CERAMICS
00: -
The present invention relates to the technical field of high performance ceramics, and in particular to a preparation method for fluorite-type high entropy ceramics. By calcining the high entropy ceramic powder, the fluorite-type high entropy ceramic is obtained. The preparation method of the high entropy ceramic powder includes the following steps: dispersing the transition metal salt with the rare earth metal salt and substance A in water to obtain a mixed solution; adding a precipitant dropwise to the mixed solution until the precipitation is complete, centrifuging after standing, washing and drying the resulting precipitate, grinding, and obtaining the high entropy ceramic powder. The present invention uses co-precipitation method to prepare high entropy ceramic precursor powder (high entropy ceramic powder), which requires simple experimental equipment, easy to operate and convenient for scale production, and at the same time can significantly reduce the sintering temperature of high entropy ceramic powder, and can achieve rapid sintering of ceramics in the temperature range of 1000-1400

degrees Celsius to obtain high entropy ceramics with fluorite structure.



21: 2023/04574. 22: 2023/04/20. 43: 2023/10/26
51: C04B
71: Institute of Applied Chemistry, Jiangxi Academy of Sciences
72: DONG, Xiaona, YOU, Shengyong, SUN, Fuqian, FU, Jianping, XIA, Jun

54: PREPARATION METHOD OF HEAT-INSULATING AND REFLECTIVE ARTIFICIAL COLOR SAND FOR BUILDINGS

00: -

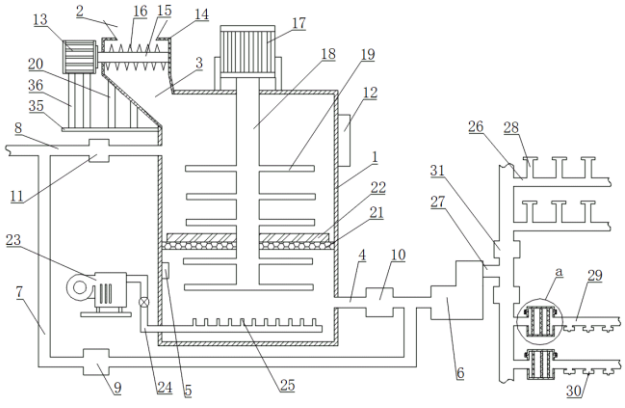
A preparation method of heat-insulating and reflective artificial color sand for buildings includes the following steps. (1) An organosilicon-modified acrylate emulsion, a nano ATO powder, a pearl powder, an ultraviolet absorber, water, polyvinyl alcohol, anhydrous ethanol, boron carbide, nanometer titanium dioxide, a coalescing agent, a dispersant, and a pigment are poured into a stirrer in a certain ratio, heated to a certain temperature, and then sufficiently stirred and mixed for 2 h to 3 h. A heat-insulating and reflective color paste is prepared and encapsulated for use. (2) A certain amount of natural sand and the heat-insulating and reflective color paste are poured into the stirrer and dispersed at a high speed for 1 h to 3 h. The sand coated with the heat-insulating and reflective color paste is filtered out and dried at 130 degree celsius to 150 degree celsius.

21: 2023/04575. 22: 2023/04/20. 43: 2023/10/26
51: A01C
71: Guizhou Provincial Tea Research Institute
72: Zhang Xiaoqin, Shen Qiang, Jiang Yanyan, Wang Jialun
33: CN 31: 2023101285055 32: 2023-02-17

54: FERTILIZATION AND IRRIGATION SYSTEM FOR MOUNTAIN TEA GARDEN

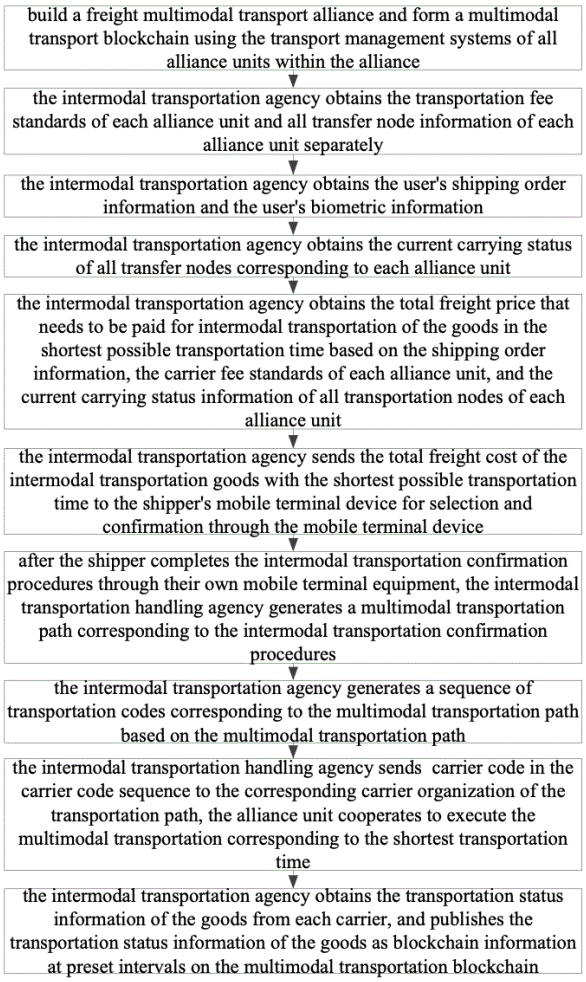
00: -

The invention discloses a fertilization and irrigation system for mountain tea gardens, which comprises a dissolving and diluting component, which comprises a diluting tank; the diluting tank is provided with a crushing feeder; the crushing feeder is provided with a first inlet port and a discharge port; the discharge port is communicated with the diluting tank; a stirrer is arranged on the diluting tank; the diluting tank is communicated with a water injection pipe; the diluting tank is communicated with a liquid discharge pipe; the diluting tank is internally provided with a heating mechanism and a temperature sensor; an irrigation assembly comprising a booster pump; the liquid inlet end of the booster pump is communicated with the water injection pipe through a first pipeline; the first pipeline is communicated with the liquid discharge pipe; the liquid outlet end of the booster pump is communicated with a spray irrigation mechanism and a drip irrigation mechanism; the first pipeline is provided with an electric ball valve A; an electric ball valve B is installed on the liquid discharge pipe; an electric ball valve C is installed at one end of the water injection pipe close to the diluting tank. According to the invention, spray irrigation or drip irrigation can be selected for tea trees according to actual needs, and fertilization can be conveniently carried out for tea trees, so so the device is more convenient to use.



21: 2023/04621. 22: 2023/04/21. 43: 2023/10/26
51: G06Q

71: Zhejiang Wanli University
72: YanLing Wang, ZiWei Zheng
54: A METHOD FOR MULTIMODAL LOGISTICS DELIVERY OF GOODS BASED ON BLOCKCHAIN TECHNOLOGY
00: -
The present invention relates to a method for multimodal logistics delivery of goods based on blockchain technology, which involves constructing a multimodal transport alliance by combining the multimodal transport handling agency, land transport carrier, water transport carrier, and air transport carrier, and forming a multimodal transport blockchain based on the transport management system of all alliance units within the multimodal transport alliance, the carrier organizations that complete their respective transportation phase tasks use their own transportation management system to send all transportation status information of goods during the transportation phase to the intermodal transportation handling agencies and the carrier organizations at the end of the current multimodal transportation task, sharing the obtained transportation status information and facilitating the traceability of goods transportation status information.

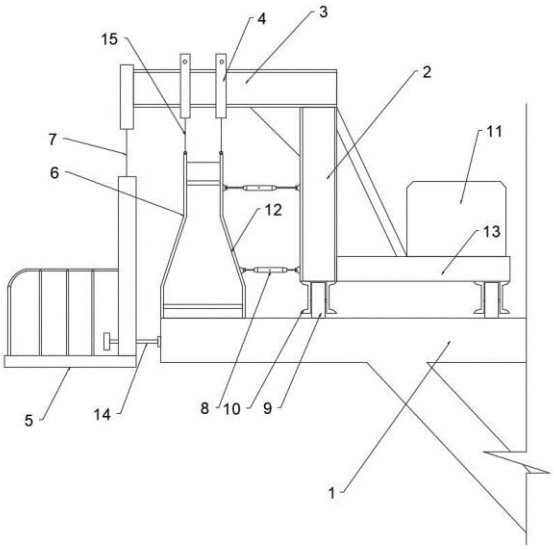


21: 2023/04622. 22: 2023/04/21. 43: 2023/10/26
51: A01C
71: Institute of Crop Cultivation and Tillage, Heilongjiang Academy of Agricultural Sciences
72: DONG, Wenjun, TANG, Ao, ZHANG, Weijian, LAI, Yongcai, ZHANG, Jun, LIU, Youhong, MENG, Ying, LI, Zhugang, ZHANG, Shihong, LI, Fenglan, YANG, Zhongliang, FENG, Yanzhong, WANG, Xun, TIAN, Shugang, DONG, Guozhong, YANG, Zhongsheng, LIU, Haiying, ZHANG, Xijuan, WANG, Lizhi, LI, Liang, SUN, Bing, XIA, Tianshu, YANG, Xianli, XIE, Shupeng, LIU, Lichao, MEN, Longnan, SUN, Zhonghua, LUO, Chunhua, ZHAO, Pu, DONG, Qinghui, LI, Jiarui, LI, Kun, MA, Rui, HUANG, Chengliang, JIANG, Hao, WANG, Baolin, CHENG, Xiaojuan, MENG, Qingdong, LI, Yuming, LIU, Guibin, PAN, Wei, CHEN, Lei, REN, Yang, LIU, Kai, WANG, Jiangxu, LI, Yongchao, HE, Miao, GE, Xuliang, ZHANG, Wenpeng, SUN, Fuping
33: CN 31: 2023102616197 32: 2023-03-17
54: ROTATION TILLAGE METHOD FOR PADDY FIELDS IN COLD REGIONS

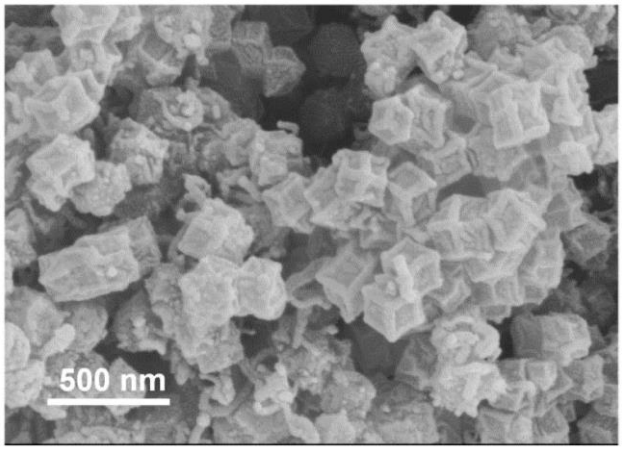
00: -
The present invention provides a rotation tillage method for paddy fields in cold regions, and relates to the technical field of crop cultivation. In the method of the present invention, taking three years as a cycle, timely harvesting of Oryza sativa L., full-volume returning of Oryza sativa L. straw to the field, autumn soil preparation operation, and the next spring non-driven beating operation are organically combined. The rotation tillage mode of autumn ploughing coupled with autumn rotary tillage can not only enable the full-volume returning of Oryza sativa L. straw to the field, but also effectively improve the topsoil structure, increase the carbon and nitrogen reserves and improve the soil enzyme activity, so as to improve the soil fertility of the topsoil and the partial productivity of nitrogen fertilizer, while decrease the comprehensive greenhouse effect.

21: 2023/04623. 22: 2023/04/21. 43: 2023/10/26
51: A61K
71: Jilin Medical University
72: Zhiming Xiu, Weilong Yang, Lianhai Jin, Hongwei Lai, Qing Zhang, Boyan Jia, Moli Yin, Wei Liu, Meiyan Sun
54: WATER-PHASE SYNTHESIS METHOD OF TETRABROMO PHENOL TETRAHALOGENATED SUOFONEPHTHALEIN
00: -
The invention relates to the technological field of chemical medicine synthesis and proposes a technique for synthesizing TBPTHSP in water phase. Raw material is an alkali metal salt of 3,4,5,6-tetrahalophenol sulfophthalein, which is oxidized and brominated in water phase, crystallized by the reaction solution after acid adjustment, and then recrystallized by aprotic solvent to produce pure TBPTHSP. The invention describes an aqueous phase TBPTHSP synthesis technique. In comparison to the previous art, the synthesis technique has the benefits of high yield, high purity, low cost, simple synthesis procedure, moderate conditions, and environmental friendliness, and is appropriate for large-scale popularization and application.

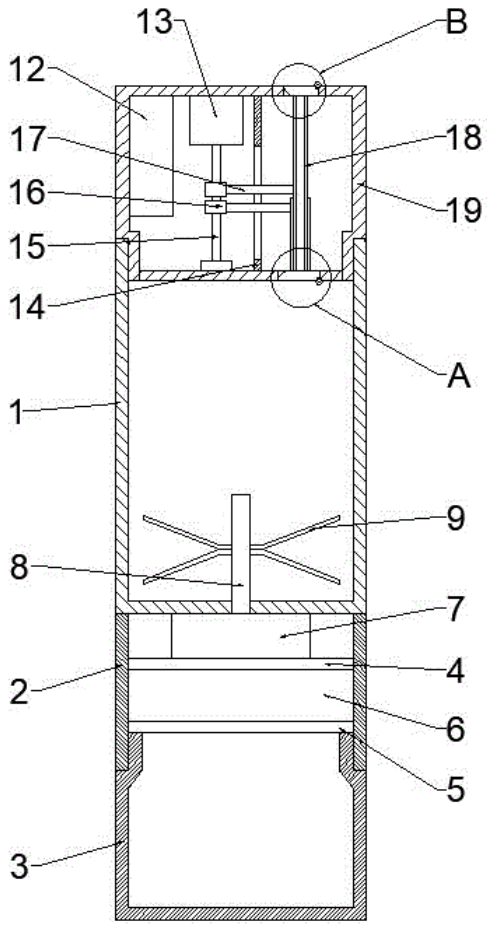
21: 2023/04624. 22: 2023/04/21. 43: 2023/10/26
51: E01D
71: China Railway Seventh Group Co., LTD, Zhengzhou Engineering Co.,LTD of China Railway Seventh Group
72: MA, Shuqiang, SHI, Lei, SUN, Meng, LI, Quanxin, YANG, Haitao, LU, Ping, CHEN, Xiangyang, WANG, Junpeng, LI, Dongyuan, WANG, Haigang, JIANG, Yang, YANG, Zhi
33: CN 31: 202320689672.2 32: 2023-03-31
54: MOBILE BASKET FOR BRIDGE GUARDRAIL CONSTRUCTION
00: -
The present application provides a mobile basket for bridge guardrail construction, comprising: a base, wherein the base has a certain length and rollers are arranged below the base to move along a bridge; supporting frames, wherein the two supporting frames are distributed at both ends of the base, the supporting frames are arranged at one side of the base near the outer edge of the bridge, the upper ends of the supporting frames are provided with cantilevers and the cantilevers extend horizontally out of the outer side of the bridge; sliding sleeves, wherein the two sliding sleeves are slidably assembled along the length direction of the cantilevers and the two sliding sleeves are connected with an inner formwork and an outer formwork of a bridge guardrail through slings respectively; and a basket, wherein the basket is fixed on one end of the cantilevers away from the base through a lifting rope, and is close to the outer formwork of the bridge guardrail. The mobile basket is simple and easy to use, can be moved along the length direction of the bridge through the rollers, and is provided with the cantilevers for suspending guardrail formworks for the convenience of splicing and casting the formworks, thereby reducing the labor intensity of workers and making the construction of bridge concrete guardrails easier.



21: 2023/04625. 22: 2023/04/21. 43: 2023/10/26
51: B01J
71: Taiyuan University of Technology
72: Xiaomin WANG, Jie LIAN, Zhenxin ZHAO, Jinyu ZHAO, Yongzhen WANG
33: CN 31: 202310359916.5 32: 2023-04-06
54: PREPARATION METHOD FOR A ZIF-DERIVED POROUS CARBON-SUPPORTED CO/SE BIATOMIC SITE ORR CATALYST
00: -
The invention discloses a preparation method for a ZIF-derived porous carbon-supported Co/Se biatomic site ORR catalyst, the method is as follows: dimethyl imidazole, $Zn(NO_3)_2 \cdot 6H_2O$, $Co(NO_3)_2 \cdot 6H_2O$ are reacted and dried to obtain a precursor, and then grind the precursor into powder and place it into a corundum boat, and quickly put the boat in an argon atmosphere. In the furnace at 950 degrees Celsius, the black precursor powder is obtained by rapid heating and heat treatment, and then mixed with selenium dioxide to grind into a uniform powder and then placed in the corundum boat in a tube furnace. The ZIF-derived porous carbon-supported Co/Se biatomic site ORR catalyst is obtained by stepwise heating treatment in an argon atmosphere. The ORR performance of the Co-Se-N-C catalyst with Co/Se diatomic sites prepared by the invention is significantly improved in acidic electrolytes, which proves the synergistic effect of Co-Nx and Se-C diatomic sites.



21: 2023/04626. 22: 2023/04/21. 43: 2023/10/26
51: A01G
71: Institute of Grain Crops, Yunnan Academy of Agricultural Sciences
72: DONG Wei, LI Xiaolin, KUI Limei, TU Jian, GU Anyu, ZHANG Jianhua, DENG Wei, XU Yuran
54: DEVICE FOR RAPIDLY DETECTING ANTHOCYANINS IN COLORED RICE IN FIELD
00: -
The invention belongs to the technical field of anthocyanin detection, in particular to a device for rapidly detecting anthocyanins in colored rice in the field, which comprises a cup body, where the inner bottom wall of the cup body is provided with a crushing blade, and the crushing blade is connected with a power component in a transmission way; the bottom end of the cup body is fixedly connected with a connecting cylinder, and the bottom end of the connecting cylinder is detachably connected with a water storage bottle; the top end of the cup body is provided with an opening, and the top end opening of the cup body is connected with an upper cover body by threads; a first square tube and a second square tube are vertically arranged in the upper cover body; the first square tube is connected with the second square tube in a sliding way; a second motor is fixedly connected in the upper cover body, the second motor is connected with the first square tube and the second square tube in a transmission way; the first square tube passes through the top end of the upper cover body, and the second square tube passes through the bottom end of the upper cover body. The device is simple to operate and easy to carry, and can detect the anthocyanin content in colored rice on the site.

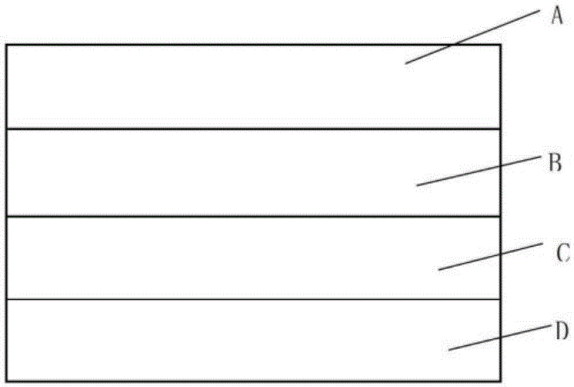


21: 2023/04634. 22: 2023/04/21. 43: 2023/10/26
51: G06Q
71: JENA, Soumya Ranjan, MANOHARAN, S. N., SINGH, Jatinder Pal, SINGH, Harmandeep, SAIBABA, Ch. M. H., PATEL, Shrikant
72: JENA, Soumya Ranjan, MANOHARAN, S. N., SINGH, Jatinder Pal, SINGH, Harmandeep, SAIBABA, Ch. M. H., PATEL, Shrikant
54: A METHOD FOR SUSTAINABLE GREEN ENERGY OPTIMIZATION FOR EDGE CLOUD COMPUTING WITH RENEWABLE ENERGY RESOURCES
00: -
The recent emergence of edge computing advocates that computational and storage resources can be extended to the edge of the network so that the impact of data transmission latency over the Internet can be effectively reduced for time constrained Internet of Things applications. With the widespread deployment of edge computing devices, the energy demand of these devices has increased and started to become a noticeable issue for the suitable development of urban systems. This research outlines energy management framework for enabling a sustainable edge computing paradigm with distributed renewable energy resources. Green Computing is an approach leveraging device-to-device communication and energy harvesting techniques to support task execution in a sustainable and collaborative manner. Device to device communication is defined as the direct communication between two wireless devices in proximity by passing information through the base station. Green Computing aims to reduce the power demand of Edge devices and Cloud devices via offloading more workloads to devices that support energy harvesting, especially for the situation when IoT devices have insufficient energy supply. Tasks in Green Computing can be executed in three ways: local execution, device to device offloaded execution, and edge offloaded execution.

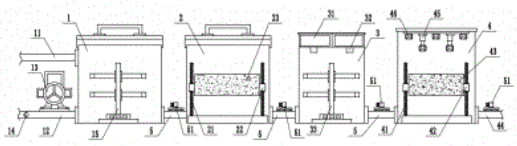
21: 2023/04667. 22: 2023/04/24. 43: 2023/10/25
51: B05D; B65D
71: Guangdong Lihong Innovative Materials Co., Ltd.
72: LIN, Wenmao, SUN, Lijia, CHEN, Jianping
54: HIGH-BARRIER AND HIGH-STRENGTH COMPOSITE PACKAGING FILM AND PREPARATION METHOD THEREOF
00: -
The present invention discloses a high-barrier and high-strength composite packaging film, including a printed heat-resistant layer, a first plastic film layer, an aluminum foil layer and a second plastic film layer successively arranged, wherein the printed heat-resistant layer is high-density polyethylene resin; the first plastic film layer and the second plastic film layer both are prepared from a modified polyethylene material; the modified polyethylene material is obtained by modifying low-density polyethylene through modified aluminum diboride. The material of the plastic layer prepared in the present invention is the modified polyethylene material, which is obtained by modifying conventional low-density polyethylene. The modified polyethylene not only maintains good processability, but also overcomes the defect that the low-density polyethylene is low in strength. The finally prepared modified polyethylene has the advantages of high

strength, low crack possibility, scratch resistance and strong adhesion.

21: 2023/04668. 22: 2023/04/24. 43: 2023/10/25
51: B29C; B32B
71: Guangdong Lihong Innovative Materials Co., Ltd.
72: LIN, Wenmao
54: DOUBLE-SCREW FOUR-LAYER CO-EXTRUDED PE SINGLE-MATERIAL PACKAGING FILM AND PREPARATION METHOD THEREOF
00: -
A double-screw four-layer co-extruded PE single-material packaging film, wherein a heat sealing temperature of the packaging film is 130-150 degrees Celsius; the packaging film includes four resin layers, the structural expression of the packaging film is A/B/C/D, and the ratio of the resin layers is 1: 2: 3: 1, wherein A is a printing heat-resistant layer, B is a functional core layer, C is a functional core layer and D is a low-temperature heat-sealing layer. The product is prepared by a four-layer co-extrusion casting processing method through a double-screw extruder. The present invention has the beneficial effects that the four resin layers are processed and produced from integrated polyethylene raw materials and prepared by the four-layer co-extrusion casting processing method through a double-screw extruder. A novel PE single-material packaging film is provided, which is easy to recycle, high in recycling value, low in energy consumption and cost in production process.

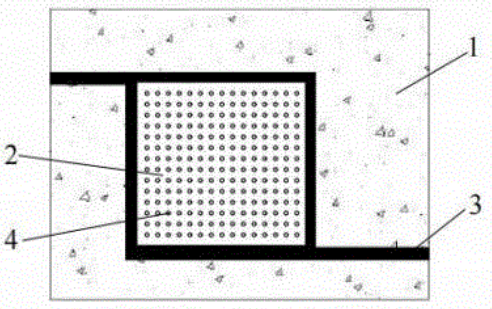


21: 2023/04669. 22: 2023/04/24. 43: 2023/10/25
51: C02F
71: Institute of Hydrogeology and Environmental Geology, Chinese Academy of Geological Sciences
72: QIAN, Yong, YUE, Chen, CUI, Xiangxiang, ZHEN, Shijun, WANG, Wenzhong, GUO, Chunyan, DUN, Yu, MENG, Suhua
54: PUMPING TREATMENT SYSTEM FOR GROUNDWATER WITH HEAVY ORGANIC POLLUTION
00: -
Disclosed is a pumping treatment system for groundwater with heavy organic pollution. The pumping treatment system includes a dilution box, a first adsorption box, a catalytic oxidation box and a second adsorption box which are connected in sequence in a sealed manner by means of a connecting pipe; a first stirring device is provided inside the dilution box; a first driving device can drive first threaded rods to rotate so as to make first sliders drive a first pulverized coal placing shell to reciprocate up and down; a plurality of material placing boxes are provided at a top of the catalytic oxidation box, and a second stirring device which can stir sewage is provided inside the catalytic oxidation box; and a second driving device can drive second threaded rods to rotate so as to make second slider drive a second pulverized coal placing shell to reciprocate up and down.

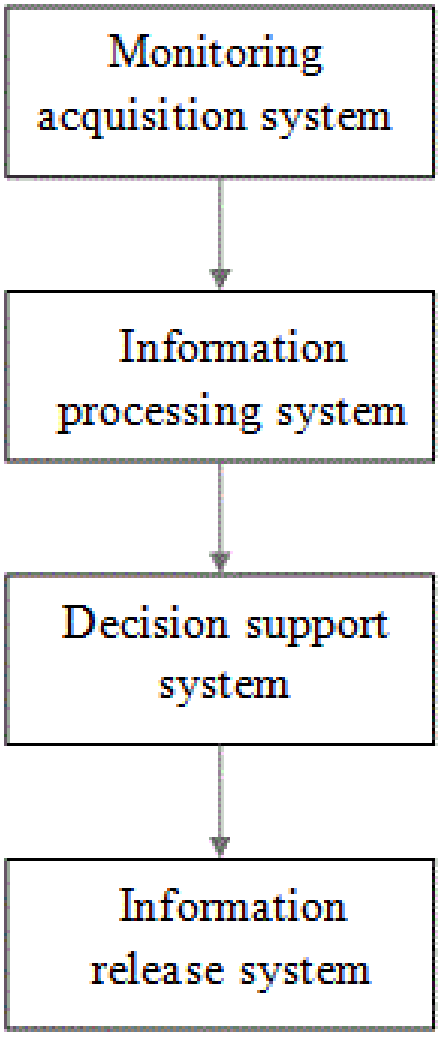


21: 2023/04673. 22: 2023/04/24. 43: 2023/10/25
51: E04B
71: Fujian Huidong Construction Engineering Co., Ltd
72: LIN, Ling, WANG, Yumin, LIU, Yuezhong, LIN, Huaping, ZHANG, Peiyang
54: STRUCTURE FOR SEISMIC ISOLATION NODE JOINT OF INTERSECTION OF BUILDING WALL AND CONCRETE AND CONSTRUCTION METHOD THEREOF
00: -
Disclosed is a structure for seismic isolation node joint of an intersection of a building wall and concrete and a construction method thereof. The structure includes a composite sound-absorbing calcium silicon board and a polyurethane sealant. The composite sound-absorbing calcium silicon board is square and is provided with a plurality of sound-absorbing holes. Four sides of the composite sound-absorbing calcium silicon board are sealed

and bonded to L-shaped wall bodies at two sides of one diagonal line of the composite sound-absorbing calcium silicon board through the polyurethane sealant. The seismic isolation joint of the node of the wall body is filled with the polyurethane sealant at chamfers of four corners of the composite sound-absorbing calcium silicon board. The polyurethane sealant is filled between a horizontal long wall body of one L-shaped wall body and a vertical short wall body of the other L-shaped wall body.

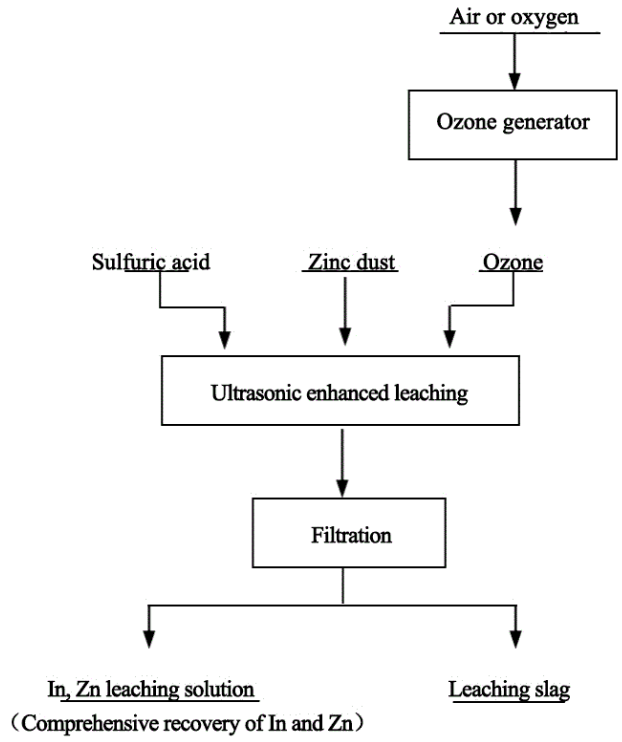


21: 2023/04674. 22: 2023/04/24. 43: 2023/10/25
51: G08B
71: Qinghai 906 Engineering Survey and Design Institute Co. LTD, Qinghai Bureau of Environmental Geology Exploration, Qinghai Institute of Geological and Environmental Survey
72: LI Yun, QI Zexue, WEI Zhanxi, LI Yingjun, YU Xiaojun
54: DYNAMIC MONITORING SYSTEM FOR LANDSLIDES AND DEBRIS FLOWS
00: -
The invention discloses a dynamic monitoring system for landslides and debris flows, which comprises a monitoring acquisition system, an information processing system, a decision support system and an information release system; the monitoring acquisition system is used to collect the geological displacement information of the area which is located in the area with frequent geological landslides and adjacent residential areas; the information processing system is used to analyze the geological displacement information, extract the safety-related information and provide the required data for the decision support system; decision support system is used to support the analysis of long-term geological displacement changes, predict the potential safety hazards in the future, prepare for prevention and remedy in advance, and prepare for safety protection in advance; the information release system is used to timely and accurately release the landslide and debris flow warning information and decision information formed by the decision support system to ensure the timely and accurate implementation of the early warning scheme and decision. According to the invention, the occurrence and evolution process of the landslide or debris flow disaster can be finely graded and monitored, and the early warning accuracy is improved.



21: 2023/04675. 22: 2023/04/24. 43: 2023/10/25
51: C22B
71: Kunming University of Science and Technology
72: Lihua Zhang, Libo Zhang, Siqi Yang, Xianyu Xia, Kun Yang, Jing Li, Shaohua Yin
33: CN 31: 202211090626.7 32: 2022-09-07
54: A METHOD FOR ULTRASONIC-OZONE SYNERGISTICALLY ENHANCED LEACHING OF INDIUM AND ZINC FROM ZINC DUST

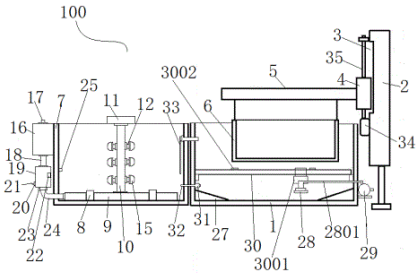
00: -
The invention discloses a method for ultrasonic-ozone synergistically enhanced leaching indium and zinc from zinc dust. In this method, finely ground zinc dust, dilute sulfuric acid solution and ozone was used as the raw material, the leaching agent and the green strong oxidant, respectively. The whole leaching reaction was carried out under the action of ultrasonic field. In the present invention, ultrasonic and ozone have a synergistic effect on the leaching system. On the one hand, ultrasonic external field action will open the inclusion of insoluble materials and shatter the covering layer attached to the slag surface, while the strong oxidation of ozone makes In and Zn in the form of In2S3 and ZnS in the dust rapidly oxidized into soluble oxides and dissolved into leachate easily. On the other hand, the ultrasonic field can pulverize O3 gas into “microbubbles”. This can improve the gas-liquid contact area, which can reduce the mass transfer resistance, and increase the concentration of O3 in the liquid phase, further improving the oxidation effect of O3. The results show that the leaching rate of In and Zn in the dust by this method is above 95% and above 90%, respectively.



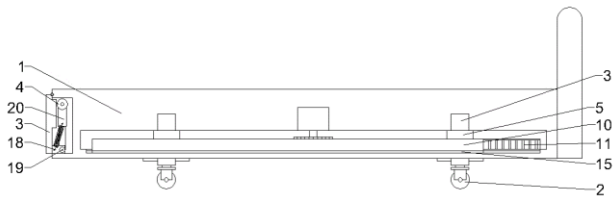
21: 2023/04676. 22: 2023/04/24. 43: 2023/10/25
51: A01G
71: Institute of Tropical and Subtropical Economic Crops, Yunnan Academy of Agricultural Sciences
72: DONG, Meichao, ZHOU, Dongguo, YANG, Fan, GAO, Junyan, GUO, Lina, WANG, Ziran, WANG, Shaohua, ZHAO, Jun
33: CN 31: 202211638711.2 32: 2022-12-20
54: CULTIVATION METHOD FOR EARLY FRUITING AND HIGH YIELDS OF DONGSHI PRECOCIOUS POMELOS
00: -
The present invention provides a cultivation method for early fruiting and high yields of Dongshi precocious pomelos, which relates to the technical field of agriculture and forestry cultivation. In the present invention, rough lemons are used as stocks, complete management methods from grafted seedlings to young trees and fruiting trees are provided, and therefore, influence of the rough lemons on pomelo trees is fully utilized. Compared with traditional grafting by using sour pomelo stocks, early flowering and early fruiting are achieved, moreover, a yield of the pomelos is increased, fund investment is reduced, and economic benefits are improved.

21: 2023/04677. 22: 2023/04/24. 43: 2023/10/25
51: A01K
71: XU, Wenwen
72: XU, Wenwen
54: SEAWATER FRY REARING APPARATUS
00: -
Disclosed is a seawater fry rearing apparatus. The apparatus includes a culture pond in which a culture bin is arranged, a heating bin is arranged, a transverse plate is arranged, a vertical pipe is in communication with the transverse pipe, a top cover is in communication with the vertical pipe, through pipes are in communication with the vertical pipe, ventilation blocks are in communication with the through pipes, rubber diaphragms are mounted on

the ventilation blocks, supporting radian blocks are mounted on the ventilation blocks, and air ports are provided; a heating box is mounted on the heating bin, and a ventilation pipe is in communication with a top of the heating box; and a water pump is arranged on the pipeline. According to the present invention, water for fry rearing can be heated according to needs, thereby achieving temperature control.



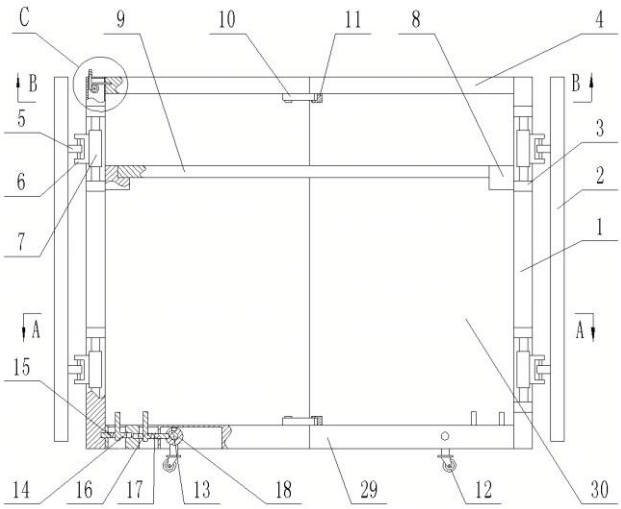
21: 2023/04678. 22: 2023/04/24. 43: 2023/10/25
51: A47C
71: GUANGXI MINZU NORMAL UNIVERSITY
72: SUN Suitai, HU Guoxia
54: MOVABLE MAHOGANY BED AND MOVING METHOD
00: -
The invention relates to a movable mahogany bed and a moving method thereof. A driving component is provided with a lifting part, and universal wheels are arranged at that bottom end of the lifting part, and the universal wheels extend out of an empty groove through the lifting part and are in sliding connection with a bed board. The folding plate is slidably connected with the bed board, and one side of the folding plate close to the bed board is connected with one end of a connecting rod with a telescopic structure. According to the invention, unnecessary labor consumption can be reduced, the integrity of the bed is improved, and the mahogany bed is convenient to move.



21: 2023/04679. 22: 2023/04/24. 43: 2023/10/25
51: A23L
71: Jiangmen Geili Biology Science and Technology Co., Ltd
72: ZHANG Jun, ZHANG Yibin, ZHANG Liang
54: FORMULA OF FLAVORED SHREDDED DRIED SCALLOP SEASONING SAUCE, PREPARATION METHOD AND EFFECTS THEREOF
00: -
Disclosed are a formula of flavored shredded dried scallop seasoning sauce, a preparation method and effects thereof. The flavored shredded dried scallop seasoning sauce is prepared from the following raw materials in parts by weight: 16-21 parts of dried scallops, 9-14 parts of shrimp powder, 11-21 parts of pumpkin, 0.2-0.6 part of almond, 50-60 parts of Sichuan cuisine oil, 0.6-1.6 parts of Sichuan sesame oil, 4-6 parts of Lao Ganma Chili sauce, 0.2-0.4 part of pepper powder, 0.03-0.09 part of pepper, 4-9 parts of Sichuan onion, 1.2-3.2 parts of ginger, 1.2-3.2 parts of garlic and 13-21 parts of refined salt. In the formula of flavored shredded dried scallop seasoning sauce, the preparation method and effects thereof, the main ingredients are dried scallops and water pumpkin, so a brand-new matched composite seasoning sauce is provided, further enriching the types of composite seasoning sauce products.

21: 2023/04680. 22: 2023/04/24. 43: 2023/10/25
51: A47B
71: GUANGXI MINZU NORMAL UNIVERSITY
72: SUN Suitai, HU Guoxia
54: MOVABLE AND FOLDABLE WARDROBE AND USE METHOD THEREOF
00: -
The invention discloses a movable and foldable wardrobe and a using method thereof, which comprises two hinged second cabinet plates, wherein the two second cabinet plates are both L-shaped structures and are arranged in the same direction; the tail ends of the two second cabinet plates are hinged with the first cabinet plate; the inner top of the second cabinet plates is fixedly provided with a second top plate; the two second top plates are abutted; the tail ends of the second top plates are hinged with the first top plate; and the top ends of the first cabinet plates are provided with a first locking mechanism. The first top plate is detachably connected with the top of the first cabinet plate; the bottom of the inner side of the second cabinet plate is fixedly provided with a second

bottom plate; the two second bottom plates are abutted; the tail end of the second bottom plate is hinged with the first bottom plate; a second locking mechanism is installed in the first bottom plate; and the first bottom plate is detachably connected with the bottom of the cabinet plate; the invention has a better folding effect, and a smaller floor space can be obtained after folding, so that the wardrobe can be better accommodated.

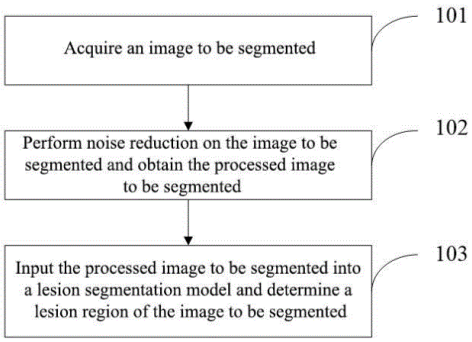


21: 2023/04681. 22: 2023/04/24. 43: 2023/10/25
51: C05F
71: Jiangmen Geili Biology Science and Technology Co., Ltd
72: ZHANG Jun, ZHANG Yibin, ZHANG Liang
54: FORMULA OF QUICK-FERMENTED HARMLESS AND ODORLESS BIOLOGICAL FERTILIZER, PREPARATION METHOD AND EFFECTS THEREOF
00: -
This invention relates to a formula of quick-fermented harmless and odorless biological fertilizer, a preparation method and effects thereof. The biological fertilizer of the invention includes the following raw materials: livestock manure, human excrement and urine mixture, forage, phosphate fertilizer, gypsum, urea, ammonium bicarbonate, quicklime, peanut cake, dried vegetable cake, bean dregs, wall soil, special plant ash and fungus chaff; wherein the special plant ash includes the following components: plant ash, human excrement and urine mixture, egg shell, bone powder, fish scale powder, potassium dihydrogen phosphate, Angel yeast and Bacillus subtilis. The biological fertilizer of the invention is harmless and odorless, rich in active organic matter, and may provide comprehensive nutrition for crops and improve soil. The preparation process is simple to operate, and it may rapidly ferment the biological fertilizer, thoroughly decompose the materials, kill harmful bacteria, effectively reduce the production cost and improve the economic benefits.

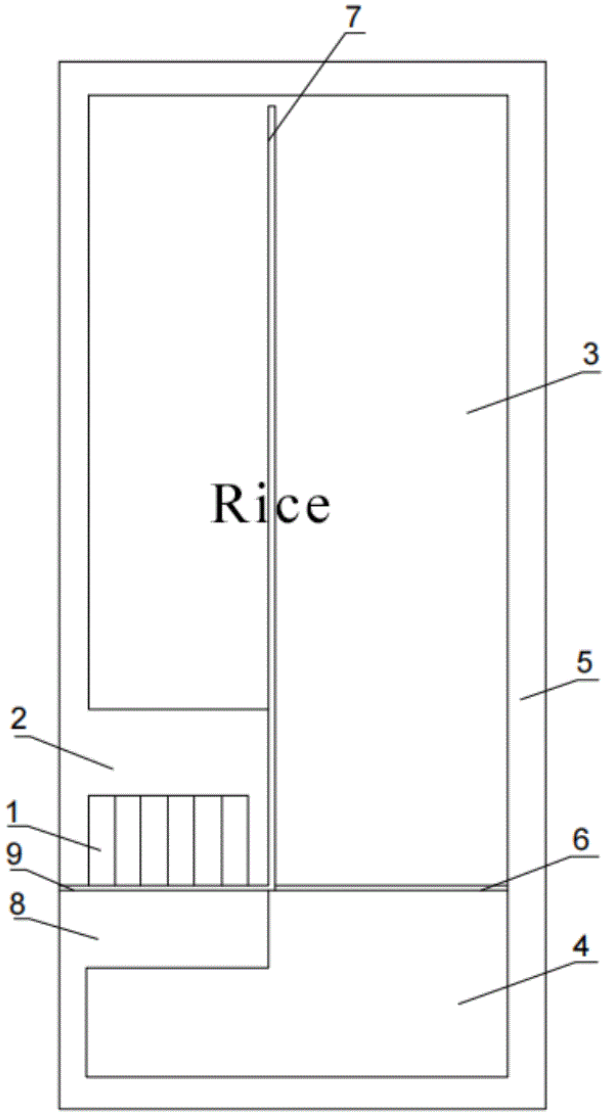
21: 2023/04682. 22: 2023/04/24. 43: 2023/10/25
51: C04B
71: Jilin Jianzhu University
72: QIAN Xuesong, SONG Xuedong, ZHANG Yunlong, WANG Jing, AI Yongming, GONG Yafeng, LIU Enguang, WANG Jie
33: CN 31: 202310342471X 32: 2023-04-03
54: C55 CONCRETE WITH SYNERGISTIC EARLY PERFORMANCE OF HLX POLYCARBOXYLIC ACID SUPERPLASTICIZER AND POLYPROPYLENE FIBER
00: -
Disclosed is a C55 concrete with synergistic early performance of HLX polycarboxylic acid superplasticizer and polypropylene fiber, and belongs to the technical field of concrete preparation. The C55 concrete of the invention includes the following raw materials in parts by mass: 416 parts of cement, 74 parts of fly ash, 1070 parts of crushed stones, 713 parts of river sands, 146-166 parts of water, 2.94-7.35 parts of HLX polycarboxylic acid superplasticizer aqueous solution and 0.9-1.8 parts of polypropylene fiber. The C55 concrete prepared by the invention overcomes the defects of slow initial setting, low early strength, easy cracking and poor durability existing in traditional ordinary concrete, reduces the potential safety hazards caused by construction, and may be widely applied to the field of bridge deck pavement.

21: 2023/04683. 22: 2023/04/24. 43: 2023/10/25
51: G06F
71: Shenyang University of Technology
72: CUI, Wencheng, SHAO, Hong, ZHANG, Pengxia
54: SEGMENTATION METHOD FOR IMAGE WITH DERMATOLOGICAL LESION
00: -
The present invention belongs to the field of image processing and relates to a segmentation method for an image with a dermatological lesion. The method includes: acquiring an image to be segmented, the image to be segmented being an image with a

dermatological lesion; performing noise reduction on the image to be segmented and obtaining the processed image to be segmented; and inputting the processed image to be segmented into a lesion segmentation model and determining a lesion region of the image to be segmented. The lesion segmentation model is obtained by training a first preset model using a sample dataset, the sample dataset includes dermatological images annotated with real lesion regions, and the first preset model includes an atrous convolution layer and a self-attention module which are connected successively. The present invention improves the accuracy of dermatological lesion segmentation.

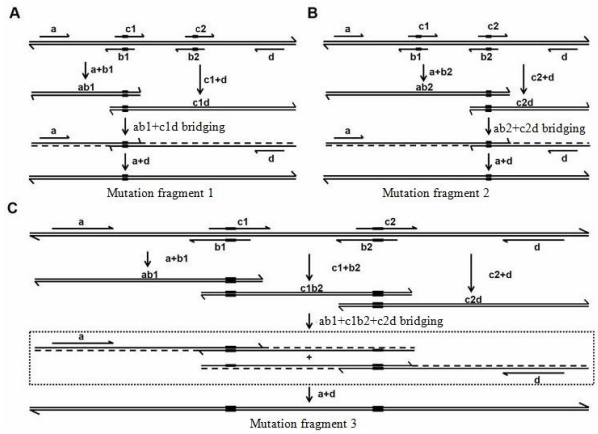


21: 2023/04685. 22: 2023/04/24. 43: 2023/10/25
51: A01K
71: Jiangsu Provincial Freshwater Fisheries Research Institute
72: LIN, Hai, XU, Zhiqiang, XU, Yu, LI, Jiajia, LIU, Guoxing, ZHANG, Xiaowei, PAN, Jianlin
54: CYCLIC PLANTING-CULTURING SYSTEM AND PLANTING-CULTURING TECHNOLOGY
00: -
A cyclic planting-culturing system and a planting-culturing technology are disclosed. The cyclic planting-culturing system includes a pond and a closed fence fixed on a hardened ridge around the pond. The pond is divided into a culturing region, an open water region, a field plate, and an open water buffer region. The culturing region includes a plurality of culturing water tanks arranged side by side longitudinally. The open water region is located at a water outlet end of the culturing region. The open water buffer region is located at a water inlet end of the culturing region. The field plate surrounds the culturing region, the open water region, and the open water buffer region to form a "concave" shape. A first water barrier and a second water barrier are provided. System resources can be efficiently utilized, and the safety of rice fields can be improved.



21: 2023/04686. 22: 2023/04/24. 43: 2023/10/26
51: C12N
71: HUNAN ANIMAL AND VETERINARY MEDICINE
72: CHEN, Chen, CUI, Qingming, LUO, Xuan, XIE, Julan, ZHANG, Xing, DENG, Yuan, LIU, Yingying, ZHU, Ji, REN, Huibo, HU, Xionggui, ZUO, Jianbo, PENG, Yinglin
54: DOUBLE-BINDING-SITE FLUORESCENT VECTOR OF MIRNA TARGET GENE AND CONSTRUCTION METHOD AND APPLICATION THEREOF
00: -
The present invention relates to a double-binding-site fluorescent vector of an miRNA target gene and

a construction method and application thereof. The double-binding-site fluorescent vector of the miRNA target gene comprises 2 wild-type site fragments bound with an miR-135a-5p seed sequence, a fragment between a first mutation site and a second wild-type site, a fragment between a first wild-type site and a second mutation site, and a fragment between the two mutation sites. The present invention provides the double-binding-site fluorescent vector of the miRNA target gene capable of realizing binding of multiple sites, quickly and directly detecting binding of miRNA and the predicted target gene, saving research cost and shortening an experimental period, and the construction method and application thereof.

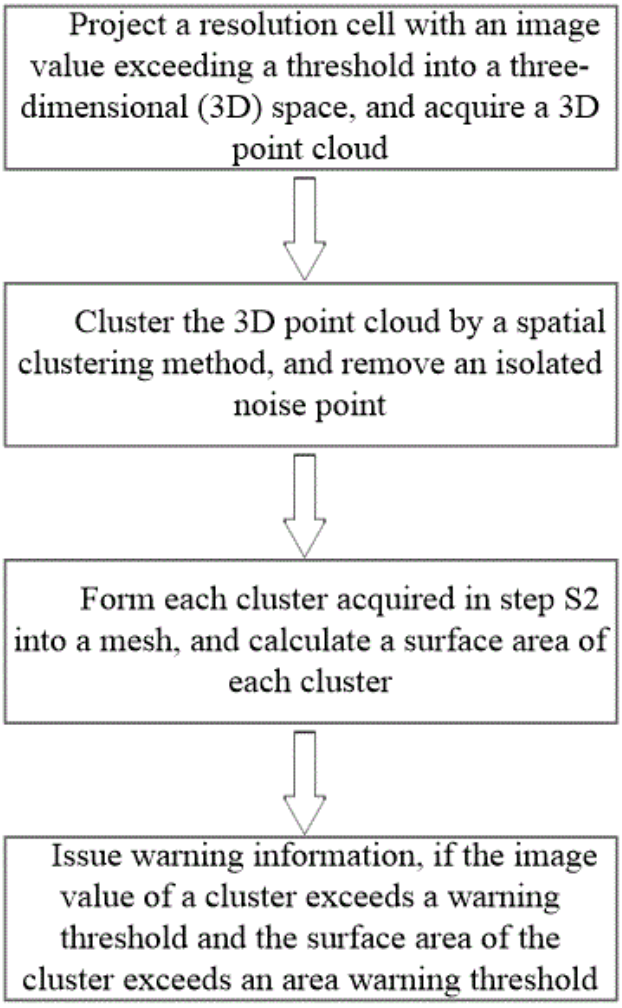


21: 2023/04687. 22: 2023/04/24. 43: 2023/10/26
51: A23K
71: ANIMAL HUSBANDRY RESEARCH INSTITUTE OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NORTHEAST INSTITUTE OF GEOGRAPHY AND AGROECOLOGY, CHINESE ACADEMY OF SCIENCES
72: LI, Zhongqiu, LIU, Chunlong, LIU, Di, HE, Xinmiao, TIAN, Ming, ZHANG, Dongjie, QI, Meiyu, ZHANG, Haifeng, SUN, Jinyan, LI, Miao
54: FEED ADDITIVE FOR IMPROVING PANCREAS OXIDATIVE STRESS OF PIGLETS
00: -
A feed additive for improving pancreas oxidative stress of piglets relates to a feed additive for piglets. The additive is composed of 10 parts of Coptis chinensis, 9 parts of Radix bupleuri, 8 parts of Cortex magnoliae officinalis, 8 parts of Eupatorium fortune, 7 parts of Folium isatidis, 7 parts of mirabilite, 6 parts of Evodia rutaecarpa, 5 parts of Fructus ziziphi jujubae and 4 parts of Zingiber officinale in parts by weight. The additive adopts compatibility of various medicines, warms the middle energizer and calms the adverse qi simultaneously, performs invigoration during warmth reduction, and jointly plays a role of warming the middle energizer and tonifying the deficiency. A pancreas oxidative stress level of the piglets is improved; and meanwhile, Chinese herbal medicines have the characteristics of natural sources, multiple functions, no residue and no toxic and side effects.

21: 2023/04689. 22: 2023/04/24. 43: 2023/10/26
51: A23K
71: ANIMAL HUSBANDRY RESEARCH INSTITUTE OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NORTHEAST INSTITUTE OF GEOGRAPHY AND AGROECOLOGY, CHINESE ACADEMY OF SCIENCES
72: LI, Zhongqiu, LIU, Chunlong, LIU, Di, WANG, Wentao, WU, Saihui, HE, Haijuan, LIU, Ziguang, PENG, Fugang, CHEN, Heshu, WANG, Liang
54: FEED ADDITIVE FOR REDUCING PANCREATIC CELL APOPTOSIS OF PIGLETS
00: -
A feed additive for reducing pancreatic cell apoptosis in piglets is disclosed, addressing the issue of pancreas oxidative stress in piglet breeding. The additive is composed of 10 parts of Coptis chinensis, 9 parts of Radix bupleuri, 8 parts of Cortex magnoliae officinalis, 8 parts of Eupatorium fortune, 7 parts of Folium isatidis, 7 parts of mirabilite, 6 parts of Evodia rutaecarpa, 5 parts of Fructus ziziphi jujubae and 4 parts of Zingiber officinale in parts by weight. The additive adopts compatibility of various medicines, warms the middle energizer and calms the adverse qi simultaneously, performs invigoration during warmth reduction, and jointly plays a role of warming the middle energizer and tonifying the deficiency resulting in reduced pancreatic cell apoptosis. The preparation method is simple, safe, and reliable, making it practical for widespread use. Chinese herbal medicines offer natural, multi-functional benefits without residue or toxic side effects.

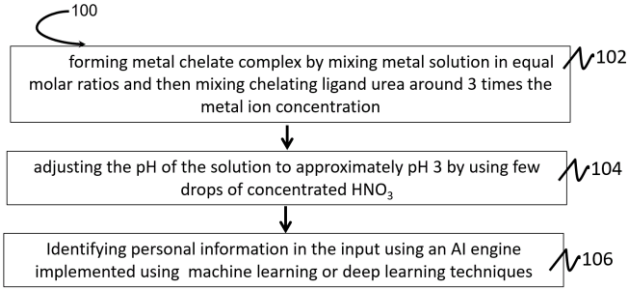
21: 2023/04690. 22: 2023/04/24. 43: 2023/10/26
51: C02F

71: China Nonferrous Metal Changsha Survey and Design Institute Co., Ltd.
72: DU,Nianchun, SHEN,Xiangqian, SU,Chuang
33: CN 31: 202211613635.X 32: 2022-12-15
54: LANDSLIDE MONITORING AND WARNING METHOD AND SYSTEM BY GROUND-BASED RADAR
00: -
The present disclosure provides a landslide monitoring and warning method by a ground-based radar. The landslide monitoring and warning method includes: projecting a resolution cell with an image value exceeding a threshold into a three-dimensional (3D) space, and acquiring a 3D point cloud; clustering the 3D point cloud by a spatial clustering method, and removing an isolated noise point; forming each cluster acquired into a mesh, and calculating a surface area of each cluster; and issuing warning information, if the image value of a cluster exceeds a warning threshold and the surface area of the cluster exceeds an area warning threshold. The landslide monitoring and warning method issues a warning based on the image value and surface area of the cluster, taking into account temporal and spatial attributes of a landslide, thereby achieving scientific warning issuing and effectively avoiding a false alarm caused by a noise point. The present disclosure further provides a landslide monitoring and warning system by a ground-based radar, which uses the landslide monitoring and warning method.

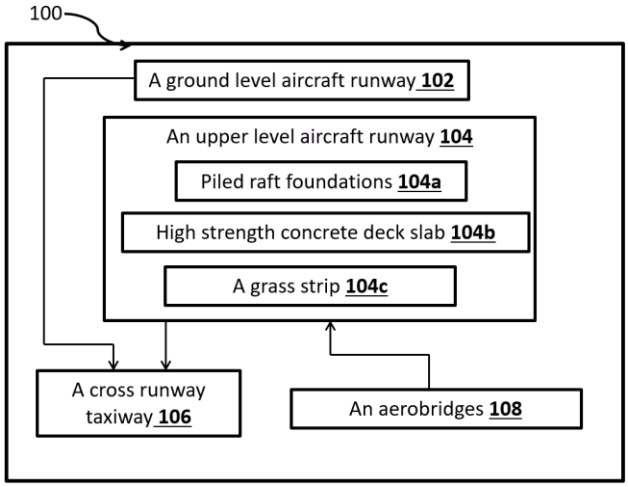


21: 2023/04691. 22: 2023/04/24. 43: 2023/10/26
51: B01J
71: TECHNO INDIA UNIVERSITY, WEST BENGAL
72: Dr. Prasanta Dhak, Arnab Mukherjee, Dr. Debasis Dhak, Dr. Jayati Ray
54: A METHOD FOR SYNTHESIZING MESOPOROUS FE/AL/LA TRIMETALLIC OXIDE FOR PHOTODEGRADATION OF VARIOUS WATER-SOLUBLE DYES
00: -
The present disclosure relates to a method for synthesizing mesoporous Fe/Al/La trimetallic oxide for photodegradation of various water-soluble dyes. In the current disclosure, the phase-pure, trigonal, mesoporous trimetallic nano-oxide FAL has been produced using an energy-efficient chemical technique, solution combustion, with urea serving as a chelating ligand. It has then been exposed to solar radiation in order to photodegrade various classes of dyes, including RB5, DB71, and MB. The

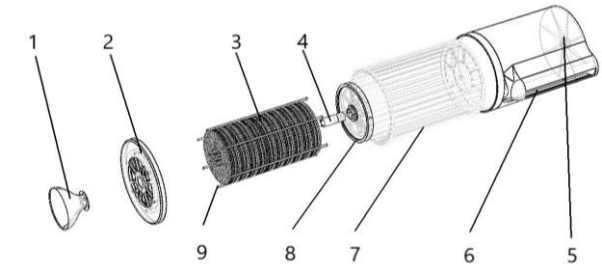
synthesized FAL nanoparticles are applied as a photocatalyst to photodegrade 10-5 (M) di-azo RB5 dye in different pH mediums (pH 2-11) for the first time from the best of our knowledge. The photocatalytic activity of FAL was further tested using different dyes e.g., tri-azo dye direct blue 71 (DB71) and thiazine dye methylene blue (MB) under solar irradiation. This new photocatalyst FAL may be utilized for the reduction of the various water-soluble colored wastes efficiently.



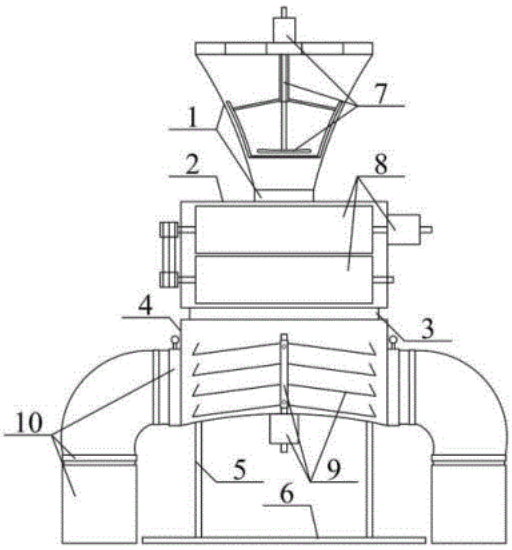
21: 2023/04692. 22: 2023/04/24. 43: 2023/10/26
51: G08G
71: TECHNO INDIA UNIVERSITY,WEST BENGAL
72: Dr. Subhasish Biswas, Dipayan Ghosh
54: MULTI LEVEL AIRPORT RUNWAY SYSTEM
00: -
The present disclosure relates to a multilevel airport runway system for permits orderly, safe aircraft arrival and departure from a multi-level runway layout at various heights. The proposed system mainly includes a ground level aircraft runway elongated and substantially flat runway surface for the take-off of aircraft; an upper level aircraft runway elongated and substantially flat runway surface for the landing of aircraft. An increase in the number of incoming and departing commercial operations at an airport is achieved by enhanced airport operations, and in particular through an airport runway system and procedure that enables aircrafts to arrive and depart from various altitudinal levels at a consistent position. A system like this decreases the possibility of airplane runway incursions and also saves jet fuel.



21: 2023/04693. 22: 2023/04/24. 43: 2023/10/26
51: H01M
71: Jilin University
72: LU Guolong, WANG Mi, CUI Ruoyu, DAI Yina, JIANG Shishen, LIU Zhenning
33: CN 31: 202210733365.X 32: 2022-06-27
54: THE BLADE VEIN CHANNEL BIONIC AIR-COOLED FUEL CELL WITH PULMONARY INTAKE AND ITS METHOD
00: -
The invention discloses a kind of biomimetic air-cooled fuel cell with pulmonary intake and its method. In this invention, the ring-column reactor is arranged in a cylinder-shaped impeller and placed in a cylinder-shaped sealed volute, which is suitable for the cylindrical main structure of UAV and unmanned submarine; the cathode surface and the anode surface are concentrated on the same bipolar plate, the cathode surface adopts the form of netted veins like those of lotus leaf, the anode surface adopts the vein distribution pattern like those of banana leaf, it is not only conducive to the uniform diffusion of gas, so that the gas reaction is uniform, but also reduce parasitic power power that the motor drives the impeller consumes, in addition,the cylindrical array of the cathode surface also forms an independent heat dissipation unit,which is beneficial to provide additional pressure to increase the flow rate of the gas and enhance the heat dissipation ability.The cathode plate uses the capillary effect,which is conducive to the rapid discharge of cathode water under the condition of more cathode water, to prevent the cell from being flooded. The invention is suitable to be widely popularized in equipment in accordance with the conditions.



21: 2023/04697. 22: 2023/04/24. 43: 2023/10/24
51: B02C
71: TIANJIN ZHIHUI NEW MATERIAL CO., LTD.
72: ZHU, Huadong, GAO, Zhijun, LI, Jian
33: CN 31: 202111155977.7 32: 2021-09-30
54: HIGH-ACTIVITY DESULFURIZATION POWDER PREPARATION SYSTEM
00: -
A high-activity desulfurization powder preparation system, comprising a feeding hopper (1), a grinding box (2), a flow guiding pipe (3), a mixing box (4), support legs (5), a base (6), a stirring type pre-filtering treatment bag structure (7), a grinding double-roller treatment machine structure (8), a mixing, stirring, and disassembly rod structure (9), and flow guiding control tank structures (10) used after desulfurization powder preparation. An outlet in the lower end of the feeding hopper is threadedly connected to an inlet in the middle of the upper part of the grinding box; an outlet in the lower part of the grinding box is mounted at an inlet in the upper part of the mixing box by means of the flow guiding pipe; and the bottom of the mixing box is mounted on the upper part of the base by means of the support legs.

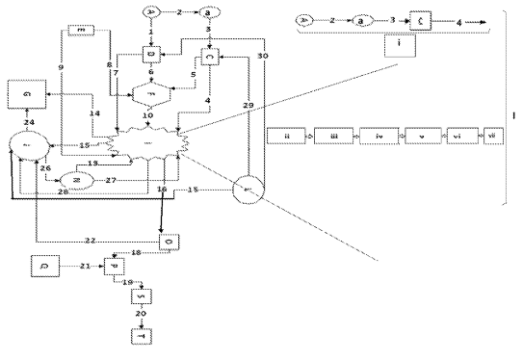


21: 2023/04700. 22: 2023/04/24. 43: 2023/10/24
51: B09C
71: BGRIMM TECHNOLOGY GROUP, China University of Geosciences(Bei Jing), Southwest University of Science and Technology, University of Science and Technology Beijing
72: Zhang Hua, Lin Xing Jie, Yao Jun, Wu Liang Liang, Fu Kai Bin, Yang Hui Fen, Cui Wei Hua, Wang Zhe, Jiang Hui
33: CN 31: 202310259205.0 32: 2023-03-17
54: METHOD FOR THE HEAVY METAL POLLUTION PREVENTION AND CONTROL TECHNOLOGY INTEGRATION APPLIED IN HISTORICAL LEAD-ZINC SMELTING SLAG DISPOSAL SITE AND AFFECTED AREAS
00: -
The invention discloses a method for the heavy metal pollution prevention and control technology integration applied in lead-zinc smelting slag disposal site and affected areas. And the method comprises grading of heavy metal pollution sources and environmental pollution safety risk levels in smelting slag disposal site and the affected areas, the screening of treatment technologies, and the integration of comprehensive prevention and control technology. The field investigation and heavy metal pollution indexes monitoring are carried out on the environmental pollution situation around the source and affected areas of the lead-zinc smelting slag disposal site in southwest China, so that the smelting slag disposal site and the affected areas are divided. And different characteristic areas of heavy metal pollution are technically screened, and

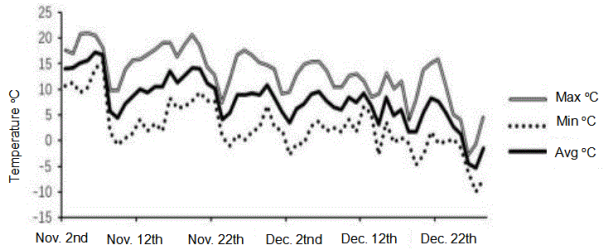
verification experiments are carried out, so that the heavy metal pollution of the smelting slag disposal site and the affected areas can be effectively controlled, and the integrated technology of heavy metal pollution prevention and control of smelting slag disposal site and the affected areas can be constructed, and it can be verified and popularized through the technical demonstration of typical lead-zinc smelting slag disposal site and the affected areas.

21: 2023/04712. 22: 2023/04/24. 43: 2023/10/26
51: A61K; A61P
71: LIVZON PHARMACEUTICAL GROUP INC.
72: LI, Pucheng, MO, Yating, ZHANG, Xiangna, HOU, Xuemei, CUI, Yannan, HU, Siwen, CHENG, Caihua, LIN, Weishan, TU, Zengqing, ZHANG, Yurong, SHEN, Hongdan, JIAO, Shenchao, FENG, Yang, HAN, Zhihui, WU, Lei, ZHANG, Zhuanxia
33: CN 31: 202011391266.5 32: 2020-12-02
54: ENTERIC PELLET, PREPARATION METHOD THEREFOR, AND PREPARATION COMPRISING SAME
00: -
The present invention relates to an enteric pellet, a preparation method therefor, and a preparation comprising same, and particularly relates to an ilaprazole enteric pellet, a preparation method therefor, and a preparation comprising same.

21: 2023/04713. 22: 2023/04/24. 43: 2023/10/24
51: A01C; B01F; B01J; B09B; C02F
71: CARABALL UGARTE, José Antonio, GUZMÁN BLANCO, Enrique
72: CARABALL UGARTE, José Antonio
54: SYSTEM FOR WASHING BIOLOGICAL WASTE TO RECOVER SAME AS SOLID BIOFUEL
00: -
The present invention describes a system, method and specific products for washing biological waste, preferably animal slurry, in particular livestock manure, especially biological waste with high contents of silica, and agroindustrial and forestry waste products, to obtain a purified lignocellulosic product having high calorific value which, when burned, releases low concentrations of harmful gases and in which little or no internal vitrification is generated.

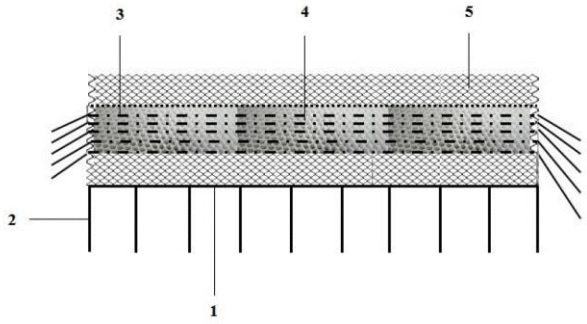


21: 2023/04742. 22: 2023/04/25. 43: 2023/10/30
51: A01G
71: Shandong Academy of Agricultural Sciences
72: WEI Jianlin, TAN Deshui, CUI Rongzong, ZHENG Fuli, LI Yan, WU Xiaobin, MA Lei, WANG li
33: CN 31: 2022110162469 32: 2022-08-24
54: METHOD FOR IMPROVING THE YIELD OF BRASSICA CHINENSIS IN WINTER
00: -
The present provides a method for improving the yield of Brassica chinensis in winter, which relates to the technical field of facility cultivation. Certain amount of fresh cow dung is applied when land is ploughed before planting the Brassica chinensis, and the ground temperature is increased by utilizing the characteristic that cow dung is fermented in the soil to generate heat, so that the effect of promoting the growth of the Brassica chinensis in a low temperature environment is achieved, and the yield and planting benefit are improved. The method provided by the invention is simple and easy to use, does not need additional construction, and the whole process is consistent with the agricultural operation links generally adopted in the current production, does not need additional labor, has obvious application effect, and can improve the yield of Brassica chinensis in winter, improve the quality and increase the planting income.



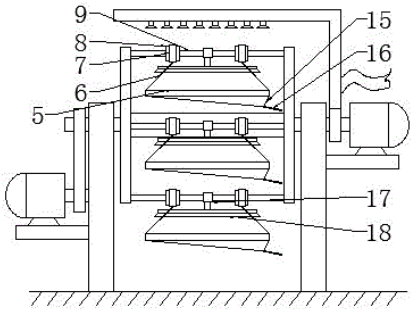
21: 2023/04743. 22: 2023/04/25. 43: 2023/10/30
51: A01K
71: Yangzhou University
72: Haiming YANG, Qianwen YANG, Zhiyue WANG, Zhi YANG, Yajun MIAO
54: A BALANCED PRODUCTION METHOD FOR GEESE THROUGHOUT THE YEAR
00: -
The invention relates to a method for the balanced production of geese throughout the year. The reserve breeding stock is kept in the usual way during the brooding and breeding period, and when the reserve geese reach sexual maturity, the male and female ratios are set in accordance with the norm. In the higher temperature seasons, a wet curtain is used to cool the house down to 30 degrees Celsius or less. The inventor has artificially created a stable breeding environment so that the breeding geese are not affected by changes in external light, and thus the breeding geese no longer have the original seasonal characteristics; the temperature of the goose house is controlled to 30 degrees Celsius, so that the breeding geese can maintain a normal breeding state. Therefore, the invention can promote the breeding goose is not affected by seasonal changes, changing the original seasonal breeding characteristics, can be normal breeding production at any time of the year, obviously improve the annual egg production, improve the economic benefits of breeding goose.

21: 2023/04744. 22: 2023/04/25. 43: 2023/10/30
51: A01K
71: Yangzhou University
72: Qianwen YANG, Haiming YANG, Zhiyue WANG, Xiaoli WAN, Yajun MIAO
54: A NET BED FOR THE FLAT REARING OF GEESE ON THE NET
00: -
The method of making a net bed for flat rearing goose farming belongs to the field of poultry farming technology. The invention focuses on the many problems that exist in the current design of net beds for flat rearing goose. The net bed consists of bed legs, bed frame, bed ribs, bedding net and fence. (1) The bed leg is strong and does not deform, and is fixed to the ground. (2) The bed frame is required to be strong, not easily deformed and fixed to the top of the bed legs. (3) The bed ribs are crisscrossed; they have a large bearing capacity and are fixed to the bed frame; a 2 cm diameter cylinder weighing 1 Kg is placed on the bed ribs and is required to have a bending displacement of no more than 3 mm.(4) The netting is placed on top of the bed ribs with a mesh foot width of 4-6 mm; the netting holes are 1-1.5 cm in length and width or diameter.(5) A fence is installed around the bed and the height of the fence is 60-70 cm.

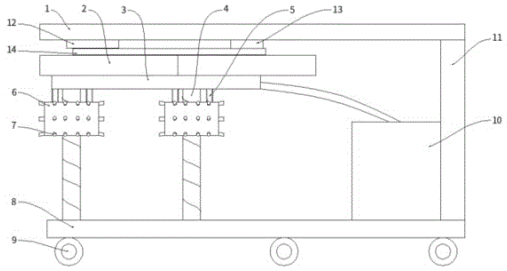


21: 2023/04745. 22: 2023/04/25. 43: 2023/10/30
51: A01G
71: MOUTAI INSTITUTE
72: LI, Qiong, YAN, Songxian
33: CN 31: 202211023271.X 32: 2022-08-25
54: ROTATABLE BREEDING AUXILIARY DEVICE
00: -
The present invention discloses a rotatable breeding auxiliary device, and the device includes supports, a rotary disk and a plurality of seedbeds, where a central axis of the rotary disk is parallel to the ground, the rotary disk is rotationally connected to the supports, the rotary disk is connected to a power mechanism that drives the rotary disk to rotate, and the plurality of the seedbeds is arranged around a circumference of the rotary disk. The device further includes a watering mechanism, the watering mechanism includes motors and an L-shaped sprinkler pipe, where an output shaft of one of the motors is connected to a runner, the runner is

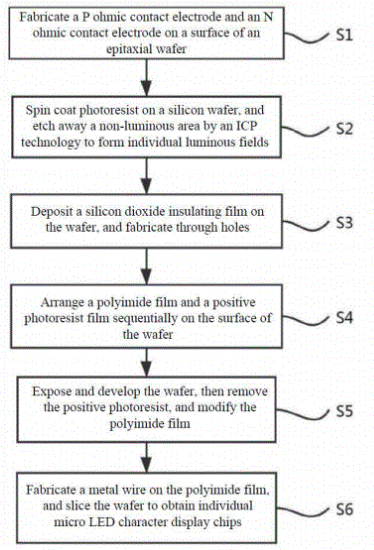
rotationally connected to outer sides of the supports, the runner is coaxial with the rotary disk, a vertical section of the sprinkler pipe is fixed to a side wall of the runner, a horizontal section of the sprinkler pipe is located on the outer side of the rotary disk and communicates with a plurality of sprinkler heads, and the sprinkler pipe is connected to a water delivery hose through a rotary joint. The sprinkler pipe can rotate around the rotary disk to intermittently water all the seedbeds on the rotary disk, thereby avoiding excessive watering and uneven watering caused by direct spraying to ensure healthy and even development of seedlings.



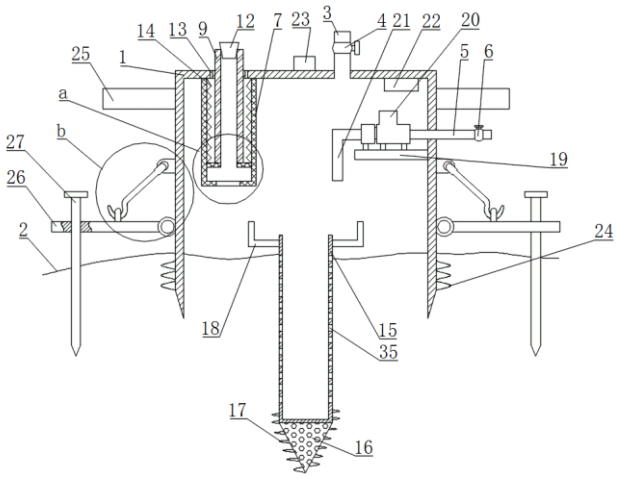
21: 2023/04746. 22: 2023/04/25. 43: 2023/10/30
51: A01G
71: MOUTAI INSTITUTE
72: LI, Qiong, LIU, Wei
33: CN 31: 202211001179.3 32: 2022-08-19
54: BREEDING SPRAYING DEVICE
00: -
The present invention discloses a breeding spraying device, and the device includes a support and a rotating mechanism, where the rotating mechanism includes a rotating rod, the rotating rod is connected to a driver that drives the rotating rod to rotate, the driver is fixedly connected to the inner top end of the support, a gear ring is arranged on the rotating rod, the gear ring is fixedly connected to the support, a gear is rotationally connected to the rotating rod, the gear meshes with the inner wall of the gear ring, the gear is fixedly connected to a connecting rod, an end of the connecting rod is rotationally connected to screw rods, the screw rods penetrate through a limiting rod, the screw rods are in threaded connection with a rotating cylinder, a side of the rotating cylinder is evenly distributed and communicated with spray heads, the limiting rod is provided with a channel, both ends of the channel are connected with bellows, one of the bellows communicates with a water source, and the other bellow communicates with the spray heads through the rotating cylinder. The device in the present invention is capable of spraying the pesticide over leaves more accurately and spraying both front and back sides of the leaves.



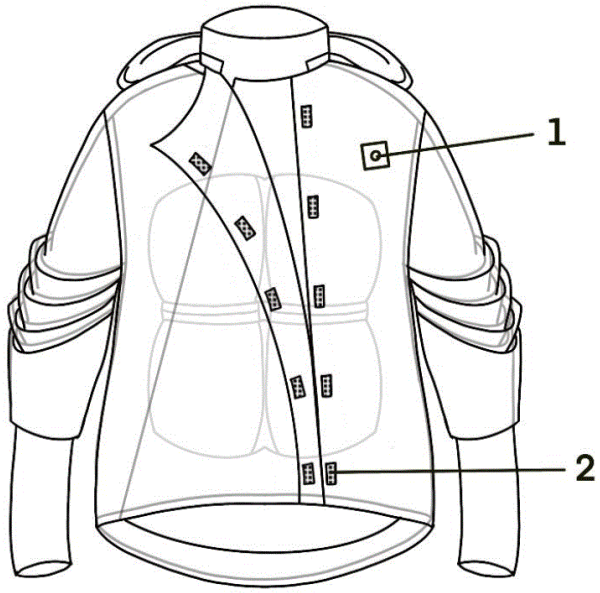
21: 2023/04747. 22: 2023/04/25. 43: 2023/10/30
51: H01L
71: Jiangxi Ruixin Microelectronics Technology Co., Ltd.
72: CHEN, Kun, YU, Tianbao, WAN, Jinping, HUANG, Jianmin, ZHAO, Jie, LU, Fangqiang
54: METHOD FOR FABRICATING MICRO LED CHARACTER DISPLAY CHIP
00: -
A method for fabricating a micro LED character display chip is provided, which includes: fabricating P and N ohmic contact electrodes on a surface of an epitaxial wafer; spin coating photoresist on a silicon wafer, and etching away a non-luminous area to form individual luminous fields; depositing a silicon dioxide insulating film on the wafer, and fabricating through holes; arranging a polyimide film and a positive photoresist film sequentially on the surface of the wafer; performing exposure and development for the wafer to remove the positive photoresist, and modifying the polyimide film; and fabricating a metal wire on the surface of the polyimide film, and slicing the wafer to obtain individual micro LED character display chips. The present invention can avoid electric leakage from a metal wire and a semiconductor side surface, and reduce the contact resistivity of the P ohmic contact electrode.



21: 2023/04748. 22: 2023/04/25. 43: 2023/10/30
51: G01N
71: Zhejiang Academy of Agricultural Sciences
72: Tang Xu, Wu Chunyan, Li Yan, Yin Chang
33: CN 31: 2023103352872 32: 2023-03-31
54: GAS-COLLECTOR IN DRY LAND
00: -
The invention discloses a gas-collector in dry land, which comprises a collecting component and an anti-mixing component; the collecting component comprises a shell, and the bottom of the shell is buried in soil; the shell is provided with a first air outlet and a second air outlet; a first exhaust pipe is installed on the first air outlet, and a first valve is installed on the first exhaust pipe; the second air outlet is provided with a second exhaust pipe; the second exhaust pipe is provided with a second valve; the anti-mixing component comprises a cylinder, and the cylinder is fixedly connected in the shell; a piston is slidably connected in the cylinder; the piston is fixedly connected with a duct; the shell is provided with a through hole; the duct is slidably arranged in the through hole; the piston is provided with a first via hole; the cylinder is provided with a second via hole; the duct is detachably connected with a plugging; a plurality of air leakage holes are arranged in the shell; a plurality of springs are fixedly connected between the piston and the shell. The device is convenient to operate, and can reduce the mixing of external air in the process of extracting gas from the shell, so that the gas used for detection is accurate.



21: 2023/04749. 22: 2023/04/25. 43: 2023/10/30
51: A41D
71: Anhui Polytechnic University, Anhui Suli Technology Co., Ltd
72: WEI Yuhui, ZHANG Zhenlin, SU Zhaowei, YUAN Huifen, WANG Peng, WANG Zhiheng, LING Xue, XIE Yuanyuan, WANG Gangyu, YU Enyi, PAN Wei
54: ELDERLY-ORIENTED ANTI-FALLING AND ANTI-DROWNING BIONIC JACKET AND ITS METHOD
00: -
The invention discloses a design of a jacket. In terms of wearing comfort, the jacket is designed with bionic shrimp structure on both elbows to meet the comfort of elbow joint movement and extension of the elderly; In terms of safety protection, the jacket can realize automatic and manual inflation of the air bag inside the garment to prevent the elderly from falling and accidentally falling into the water. Its realization principle is as follows: in the aspect of wearing comfort, the sewing between the fabrics of elbow part imitates the cell cross-sectional structure of shrimp abdomen to increase the extensibility and flexibility of elbow joint; In terms of safety protection, when the elderly fall or fall into the water, the air bag can be inflated quickly through manual control or automatic detection system to protect the elderly from accidental injuries caused by falling and drowning.



21: 2023/04751. 22: 2023/04/25. 43: 2023/10/30
51: A23F; A23L
71: RESEARCH INSTITUTE OF NON-TIMBER FORESTRY, CHINESE ACADEMY OF FORESTRY
72: DU, Lanying, SUN, Zhiqiang, LIU, Panfeng, DU, Hongyan, WANG, Lu, DU, Qingxin, WANG, Yan, ZHOU, Yunfei

54: METHOD OF IMPROVING OXIDATION RESISTANCE AND FRAGRANCE OF EUCOMMIA ULMOIDES OLIV. BEVERAGE

00: -

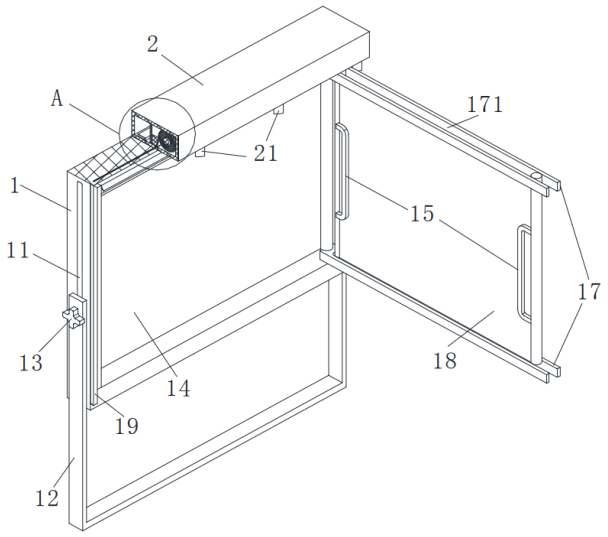
Disclosed is a method of improving oxidation resistance and fragrance of a Eucommia ulmoides Oliv. beverage, comprising the following steps: picking tender and climax leaves and male flowers for withering or fixation and then drying; then, adjusting water content and conducting steam explosion on the tender leaves, the climax leaves and the male flowers respectively; drying the tender leaves, the climax leaves and the male flowers again; and then preparing a tea cake or a tea brick to obtain the Eucommia ulmoides Oliv. beverage. The solution of the present invention can effectively solve the problems of the traditional process of uneven changes in leaf colors, and storage intolerance and oxidizing discoloration of the male flowers. The present invention also solves the problem that active components in the leaves of the Eucommia ulmoides Oliv. are reduced in a fermentation process.

21: 2023/04753. 22: 2023/04/25. 43: 2023/10/30
51: E04H
71: Anhui Science And Technology University
72: Yuan chenchen, Ma keli
33: CN 31: 2023103661293 32: 2023-04-04

54: MARKING DEVICE FOR DESIGN DRAWINGS OF RURAL PLANNING

00: -

The invention relates to the technical field of marking device for design drawings of rural planning, in particular to a marking device for design drawings of rural planning. In the invention, the bracket, the supporting plate, the transverse plate, the first cavity, the first chute, the second chute and the protective device are cooperatively designed; the workers spread the brackets on the side of the supporting plate, so that the drawings can be smoothly spread on the surface of the rotating plate. Both sides of the rotating plate are provided with file folders, so that worker can distinguish and place the improved drawings from the unimproved drawings effectively, which is convenient for the workers to mark, draw and improve drawings, and also to distinguish and place the improved drawings from the unimproved drawings. In order to protect the drawings from being damaged due to bad weather such as rainstorm and heavy snow when drawing or modifying the drawings, the workers can effectively protect the drawings in the first cavity only by using the protective device fixedly connected on the upper surface of the supporting plate, thus effectively reducing the probability that the drawings are soaked due to rain and snow, and providing a good storage environment for the drawings.

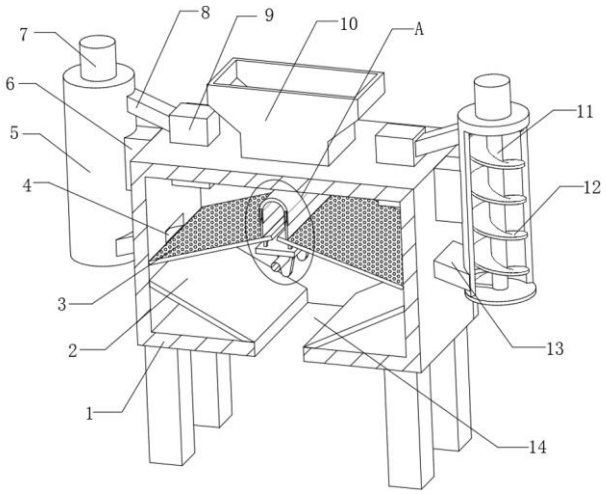


21: 2023/04754. 22: 2023/04/25. 43: 2023/10/30
51: B03C
71: LU'AN LONGYIXING MACHINERY CO., LTD
72: ZHU Chengjie

54: A KIND OF ORE SCREENING EQUIPMENT

00: -

The present invention discloses A kind of ore screening equipment, comprising a housing, said housing is provided with a hopper at the top, and inside the housing is rotatingly connected with a rotating shaft two, and one end of the rotating shaft two is provided with a power source, said outer wall of the rotating shaft two is fixedly connected with three cams at equal distances, and the outer wall of all three cams are in contact with the same lifting plate, said lifting plate is slidingly connected to the housing inside, and the top of the lifting plate on both sides of the outer wall are fixedly connected to the top roller, said top roller on the top of the outer wall are in contact with the screening plate, and one end of the screening plate are hinged to the inner wall of one side of the shell, said screening plate bottom side is set with a pass-through, and two screening plate top is set with a reset mechanism. The invention by setting the reset mechanism, screening plate, through-hole, shaft two, cam, lifting plate and top roller, so that the two screening plate constantly vibrate, can be able to screen the ore, and at the same time can make the screening plate above the large pieces of ore through the through-hole discharge, to facilitate the subsequent processing of it.

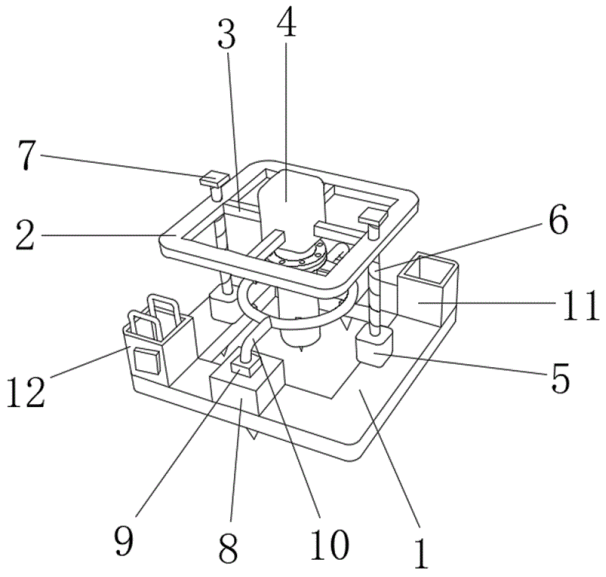


21: 2023/04755. 22: 2023/04/25. 43: 2023/10/30
51: G01N
71: East China University of Technology
72: Chen Lei, Zhang Yaqian, Zhang Zilu, Duan Baofu, Ju Peijiao, Luo Wenshu, Lv Dao, Zeng Jianpeng, Zhang Shuo, Zeng Xingfu

54: A ROCK-SOIL DETECTION DEVICE FOR ENGINEERING GEOLOGICAL SURVEY

00: -

The present invention provides a rock-soil detection device for engineering geological survey, which relates to the field of the rock-soil detection field. Comprising fixed base, the output end of the first electrical machine is fixedly connected to a axis of rotation, the front and rear ends of the top of the fixed base are fixedly connected with the water tanks, the left front end of the top of the fixed base is fixedly connected with a weighing box , after the sampling is completed, a part of the rock-soil is weighed and recorded through the weighing box, then put the rock-soil into the drying box to heat it, the dried rock-soil is then weighed again, the water content of the rock-soil can be calculated, and the water content detection can be tested immediately after the completion of rock-soil drilling, no longer need to send to the laboratory for determination, the operation is convenient.

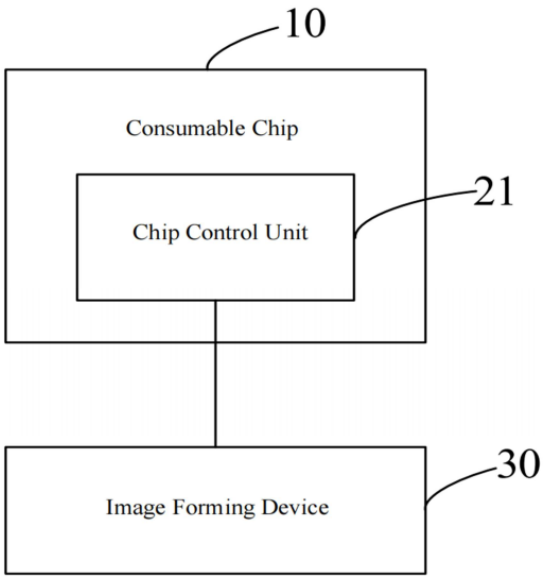


21: 2023/04786. 22: 2023/04/25. 43: 2023/10/30
51: B41J; G03G; G06F
71: ZHUHAI PANTUM ELECTRONICS CO., LTD.
72: ZHANG, Hao
33: CN 31: 202011041998.1 32: 2020-09-28

54: CONSUMABLE CHIP, CONSUMABLE, IMAGE FORMING DEVICE, AND IMAGE FORMING CONTROL METHOD

00: -

A consumable chip (10), a consumable (1, 2, 3, 4), an image forming device (30), and an image forming control method. The consumable chip (10) is detachably installed on the consumable (1, 2, 3, 4), and the consumable (1, 2, 3, 4) is detachably installed on the image forming device (30). The consumable chip (10) includes a chip control unit (11), and the chip control unit (11) is used to obtain a response signal based on a query signal, and process the response signal based on a preset rule to generate verification data, and the verification data is used to determine whether the consumable (1, 2, 3, 4) is a consumable (1, 2, 3, 4) that meets the preset requirement. The consumable chip (10) generates verification data by processing the response signal according to preset rules, so that the verification data received by the image forming device (30) includes both the response signal and auxiliary verification data obtained according to the response signal, thereby improving the verification reliability of image forming device (30) on consumable chip (10).

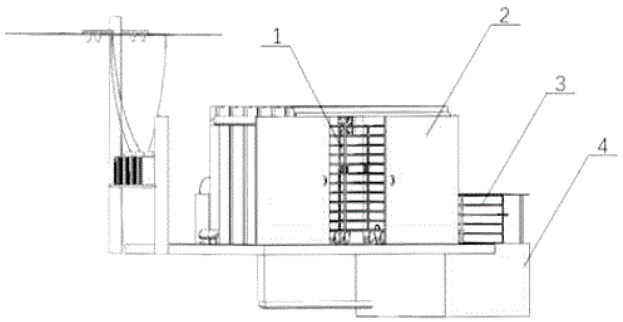


21: 2023/04790. 22: 2023/04/26. 43: 2023/10/31
51: A23N
71: Shihezi University, Shihezi Qihe Energy Saving Technology Co., LTD.
72: Xuhai YANG, Shuangquan XIE, Qian ZHANG, Jinmei KOU, Zhihua GENG, Lichun ZHU, Wenxin YANG, Junyi ZHANG, Xinjun LIU

54: A FRUIT AND VEGETABLE DRYING AND STORAGE DEVICE

00: -

The invention discloses a fruit and vegetable drying and storage device, which relates to the field of fruit and vegetable drying technology. The structure includes a drying chamber, a storage chamber and a heating device. The drying room is set on one side of the storage room. The push-pull door style plate is installed on the outside of the drying room, and multiple drying racks are arranged inside the drying room. The storage room is set underground, and the outside of the storage room is connected with a ventilated chimney, which extends out of the ground. The heating device includes an air source hot fan installed behind the storage room and a heating pipe and a cooling pipe connected to the air source hot fan. The heating pipe is connected to the drying room, and the cooling pipe is connected to the storage room. Through the above structure, the invention improves the drying effect and efficiency of fruits and vegetables in the drying room. The air source hot air fan is used to refrigerate, store and dry the fruits and vegetables respectively, which is energy-saving, emission reduction and green

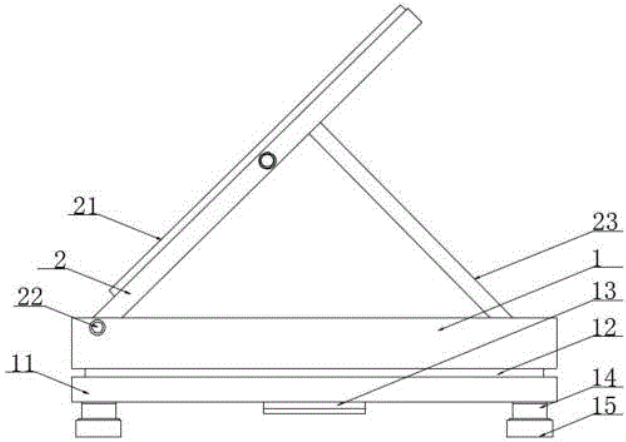


21: 2023/04791. 22: 2023/04/26. 43: 2023/10/31
51: H02S
71: Shihezi University, Xinjiang Hengchuang Guanggu Energy Co., LTD.
72: Xuhai YANG, Shuangquan XIE, Qian ZHANG, Jinmei KOU, Zhihua GENG, Lichun ZHU, Wenxin YANG, Junyi ZHANG, Dezhen LI

54: AN ADJUSTABLE SOLAR BRACKET WITH A PROTECTIVE FUNCTION

00: -

The present invention discloses an adjustable solar bracket with a protective function, which relates to the technical field of solar brackets, and comprises a mounting bracket, a base and a pedestal. When encountering bad weather, the electromagnet inside the inner slot is started, so that the card column is attracted by the magnetic force, and the card slot of the inner frame is separated from the inner slot, and then the third motor on the side of the mounting bracket is started. The third motor drives the inner frame to flip and then starts the second motor on the inner side of the base, puts the support frame on the inner shaft side down, and retracts it into the base. At the same time, the mounting bracket will slowly drop along the connecting shaft at one end and retract into the base. The inner frame will cover the bottom cover. The invention adopts an adjustable solar support with the protective function of the above structure to protect the photovoltaic panel through the inner frame and the bottom cover, which increases the safety of the use of the photovoltaic panel.

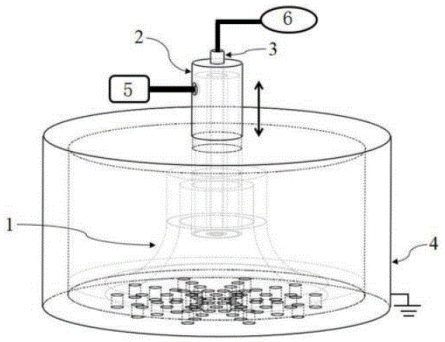


21: 2023/04792. 22: 2023/04/26. 43: 2023/10/31
51: H05H
71: Wuhu Technology and Innovation Research Institute, AHUT, ANHUI UNIVERSITY OF TECHNOLOGY
72: WANG, Tao, WANG, Xin, YANG, Weizhi, CHEN, Sile, LI, Meng, SHI, Liping
33: CN 31: 202210876856X 32: 2022-07-25

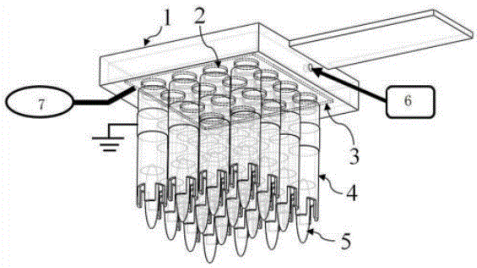
54: DEVICE AND METHOD CAPABLE OF ADJUSTING TREATMENT AREA OF PLASMA JETS

00: -

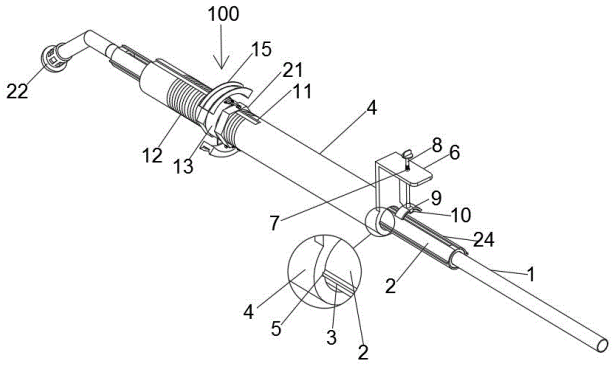
Disclosed is a device and method capable of adjusting treatment area of plasma jets. The device includes an elastic circular disc, a dielectric sleeve, a metal high-voltage electrode and a metal housing; the dielectric sleeve is connected to the metal housing and can move up and down. A power supply is powered on for introducing working gas, plasma is generated in a cavity surrounded by an elastic circular disc bending section and a bottom of the metal housing, and ejected by means of a plurality of evenly distributed jet holes to generate plasma jets; and by screwing the dielectric sleeve, the dielectric sleeve drives the elastic circular disc to compress downwards or rebound upwards, so as to change an area of an elastic circular disc horizontal section, realize adjustment of the number of jet holes, and finally realize controllable adjustment of treatment area of the plasma jets.



21: 2023/04793. 22: 2023/04/26. 43: 2023/10/31
51: B08B; H05H
71: Wuhu Technology and Innovation Research Institute, AHUT, ANHUI UNIVERSITY OF TECHNOLOGY
72: WANG, Tao, WANG, Xin, YANG, Weizhi, CHEN, Sile, LI, Meng, SHI, Liping
33: CN 31: 2022108650500 32: 2022-07-21
54: ATMOSPHERIC PRESSURE PLASMA BRUSH DEVICE
00: -
Disclosed is an atmospheric pressure plasma brush device. The present invention includes a main plasma body unit, transition metal collars, a metal electrode slice and bristle assemblies. When a high-voltage power supply is connected and working gas is introduced, plasma jets are generated and ejected by means of bristle front forks; moving the main plasma body unit can drive the bristles to move on a surface of an object, and can simultaneously realize physical cleaning and plasma treatment on the surfaces of the complex objects; a structure is simple, operation is simple, plasma cleaning of the surface of the object can be realized, and the physical cleaning of the surfaces of the objects can be further realized with the help of the bristles, thus greatly increasing a removal rate and quality of pollutants or oil stains on the surface of the object.



21: 2023/04794. 22: 2023/04/26. 43: 2023/10/31
51: A61M
71: Central South University
72: Li Xu, Minmin Chen
54: A SUBATOMOSPHERIC PRESSURE SALIVA-SUCTION DEVICE FOR ORAL MEDICINE TREATMENT
00: -
The invention relates to the technical field of saliva subatomospheric pressure suction device technical field, in particular to a subatomospheric pressure saliva-suction device for oral medicine treatment. The invention comprises an suction tube, a moving tube and a protective tube. One end of the suction tube passes through a moving tube and is rotated through a bearing and a moving tube. One end of the suction tube is bent down and fixed with a protective block, one end of the moving tube slides through the protective tube, and the upper end of the moving tube is provided with a strip hole; One end of the outer wall of the protective tube is fixed with a mounting plate, one end of the mounting plate is connected with a push plate by hand screwing the bolt, the lower end of the push plate is fixed with a convex block, the convex block is located above the strip hole; The end of the suction tube with the protective is inserted into the patient's mouth while the patient's teeth are positioned in the occlusal groove ii. This allows the patient's mouth to be opened and supported, and then the other end of the suction tube is connected to an external adsorption tube to suck up the patient's saliva.



21: 2023/04802. 22: 2023/04/26. 43: 2023/10/31
51: E04F
71: I4F LICENSING NV
72: BOUCKÉ, Eddy Alberic

33: NL 31: 2026858 32: 2020-11-09
54: DECORATIVE PANEL, AND COVERING OF SUCH DECORATIVE PANELS
00: -
The invention relates to an interlockable decorative panel, in particular a floor panel, wall panel, or ceiling panel, provided with a tongue and a groove. The invention also relates to a covering, in particular a floor covering, a wall covering, or a ceiling covering, composed of a plurality of interconnected decorative panels according to the invention.

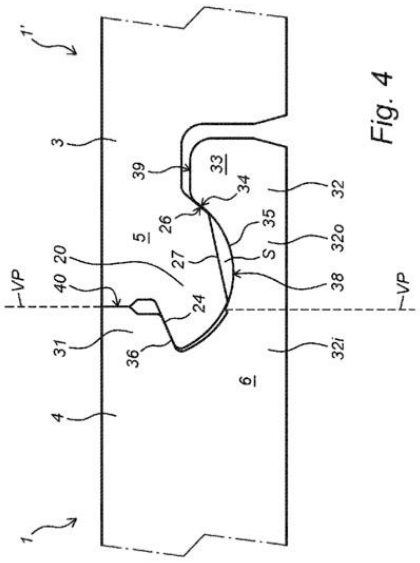
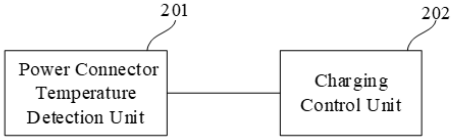
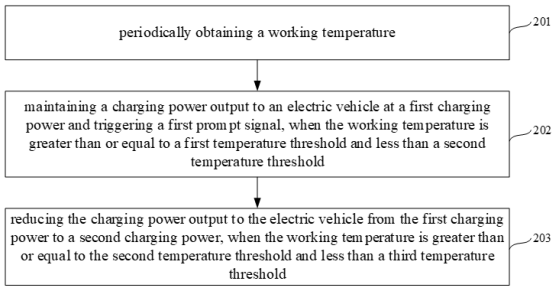


Fig. 4

21: 2023/04805. 22: 2023/04/26. 43: 2023/10/31
51: B60L; H01R
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
72: WANG, Chao
33: CN 31: 202022550159.4 32: 2020-11-06
54: ELECTRIC VEHICLE CHARGING CONTROL APPARATUS
00: -
An electric vehicle charging control apparatus related to a technical field of electric vehicle charging. The apparatus includes a power connector temperature detection unit and a charging control unit. The power connector temperature detection unit is provided in a power connector and configured to obtain a working temperature of an interior of the power connector. The charging control unit is connected to the power connector temperature detection unit and configured to control a charging power output to the electric vehicle according to the working temperature of an interior of the power connector obtained by the power connector temperature detection unit. By using the embodiments of the present disclosure, the charging efficiency can be improved and the charging time can be shortened on the premise of ensuring the charging safety of the electric vehicle.



21: 2023/04806. 22: 2023/04/26. 43: 2023/10/31
51: B60L
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.
72: WANG, Chao
33: CN 31: 202011232789.5 32: 2020-11-06
54: ELECTRIC VEHICLE CHARGING CONTROL METHOD AND APPARATUS
00: -
An electric vehicle charging control method and apparatus related to the technical field of electric vehicle charging. The method includes: periodically obtaining a working temperature; maintaining a charging power output to an electric vehicle at a first charging power and triggering a first prompt signal, when the working temperature is greater than or equal to a first temperature threshold and less than a second temperature threshold; reducing the charging power output to the electric vehicle from the first charging power to a second charging power when the working temperature is greater than or equal to the second temperature threshold and less than a third temperature threshold; and stopping charging the electric vehicle when the working temperature is greater than or equal to the third temperature threshold. Therefore, the charging efficiency can be improved and the charging time can be shortened on the premise of ensuring the charging safety of the electric vehicle.

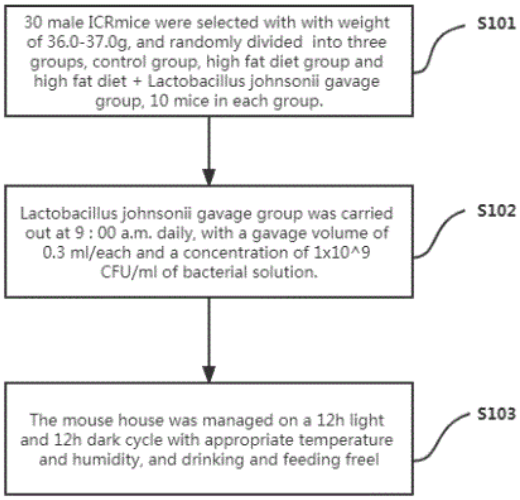


21: 2023/04839. 22: 2023/04/28. 43: 2023/11/01
51: A01K; C12N
71: Hunan Agricultural University
72: Jie YIN, Jie MA, Siting XIA, Jun TAN, Xingguo HUANG, Tiejun LI, Yulong YIN

54: A MICROBIAL AGENT FOR PROMOTING FAT DEPOSITION AND ITS SEPARATION METHOD AND APPLICATION

00: -

The invention belongs to the field of microbial agent technology, and discloses a microbial agent for promoting fat deposition and its separation method and application, the microbial agent was Lactobacillus johnsonii isolated from faeces of Ningxiang pig , the verification method of microbial agents that accelerate fat deposition includes: 30 male ICRmice were selected with with weight of 36.0-37.0g, and randomly divided into three groups, control group, high fat diet group and high fat diet + Lactobacillus johnsonii gavage group, 10 mice in each group; Lactobacillus johnsonii gavage group was carried out at 9 : 00 a.m. daily, with a gavage volume of 0.3 ml/each and a concentration of 1x10^9 CFU/ml of bacterial solution; the mouse house was managed on a 12h light and 12h dark cycle with appropriate temperature and humidity, and drinking and feeding freely. The present invention adopts the above-mentioned microbial agent for promoting fat deposition and its separation method and application. The provided Lactobacillus johnsonii from faeces of Ningxiang pig can accelerate the deposition of fat in the body.

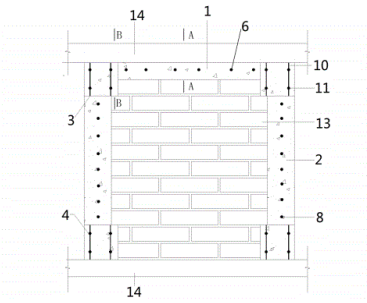


21: 2023/04840. 22: 2023/04/28. 43: 2023/11/01
51: E04B
71: Fujian Huidong Construction Engineering Co., Ltd
72: ZHANG, Zhirong, LIN, Ling, WANG, Yumin, LIN, Xianzhi, ZHANG, Hongtao

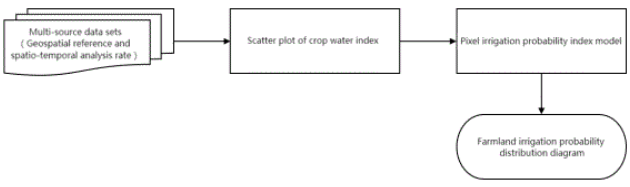
54: STONE WALL REINFORCEMENT STRUCTURE, REINFORCED STONE WALL, STONE STRUCTURE HOUSE AND CONSTRUCTION METHOD

00: -

Disclosed are a stone wall reinforcement structure, a reinforced stone wall, a stone structure house and a construction method. The stone wall reinforcement structure includes a UHPC strip ring beam and UHPC strip constructional columns, where the UHPC strip ring beam is used for being provided at tops of stone walls and fixedly connected to the stone walls, and the UHPC strip constructional columns are fixedly provided at corner where the stone wall in a longitudinal direction and the stone wall in a transverse direction are connected; and tops of the UHPC strip constructional columns are connected to the UHPC strip ring beam, and bottoms of the UHPC strip constructional columns extend to bottoms of the stone walls, which improves integrity of a stone structure, thus effectively protecting the stone structure house against collapse under an earthquake.



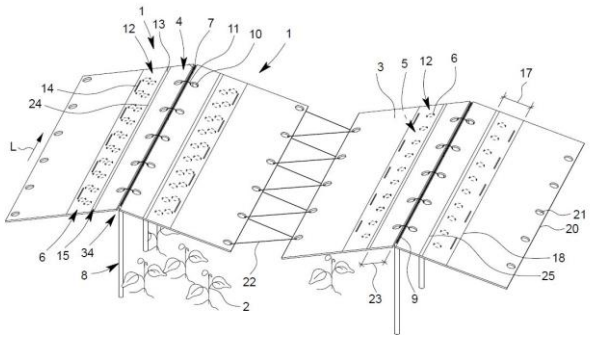
21: 2023/04841. 22: 2023/04/28. 43: 2023/11/01
51: G06Q
71: Hohai University
72: Yanan ZHOU, Yan WANG, Li FENG, Shunying WANG
33: CN 31: 2022106289170 32: 2022-06-06
54: CALCULATION METHOD FOR FARMLAND IRRIGATION PROBABILITY INDEX BASED ON CROP WATER INDICATION LINES
00: -
The invention discloses a calculation method for farmland irrigation probability index based on crop water indication lines; firstly, determining the geospatial reference and spatial-temporal resolution of regional irrigation monitoring, collecting and preprocessing multi-source remote sensing data sets, generating raster data sets with the same geospatial reference and spatial-temporal resolution, and pixel alignment; then, calculating the crop water deficit index and crop water stress index of farmland pixels, constructing a crop water scatter plot with a pixel crop water deficit index as abscissa and the crop water stress index as ordinate; then, extracting the upper boundary points and lower boundary points of the crop water scatter plot, and fitting the upper and lower indicator lines of crop water linearly; finally, establishing the probability index model of farmland irrigation according to the upper and lower indication lines, and calculating the probability distribution map of regional farmland irrigation. The invention can accurately and easily express the degree of crop water deficit and improve the physical meaning and indicative significance of the farmland irrigation probability index.



21: 2023/04842. 22: 2023/04/28. 43: 2023/11/01
51: C12N
71: Guangxi Aoguyuan Ecological Agricultural Technology Co., Ltd.
72: ZHAN, Yonggong, GAO, Jianjun
54: HIGH-YIELD METHOD FOR EXTRACTING SUPEROXIDE DISMUTASE FROM CORN
00: -
The present invention provides a method for extracting superoxide dismutase from corn. The method includes: corn pulping, separation after adding a copper salt, membrane filtration, organic liquid precipitation, drying, dissolving, chromatography, freeze drying, etc. According to the method, an activity of the superoxide dismutase can be increased by about 20 percent by using the copper salt, and harm of copper ions caused by the copper salt can be eliminated by removing copper ions through later membrane filtration, repeated organic liquid precipitation and drying. In addition, the present invention utilizes a time difference between complete dissolving of the superoxide dismutase and most impurities (miscellaneous protein, nucleic acid and soluble starch) in water, and uses combined steps of repeated precipitation, drying and dissolving to remove most impurities of SOD and improve purity thereof.

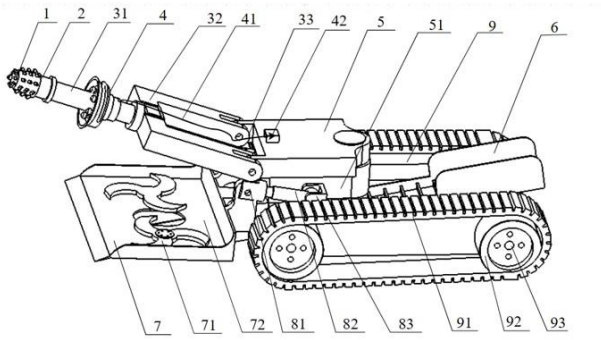
21: 2023/04844. 22: 2023/04/28. 43: 2023/11/01
51: A01G
71: DAIOS, Asterios
72: DAIOS, Dimitrios
33: EP 31: 22 174 887.4 32: 2022-05-23
33: EP 31: 22 178 197.4 32: 2022-07-05
54: ELONGATED WEB FOR COVERING AGRICULTURAL CULTIVATED PLANTS
00: -
A web for covering agricultural plants with a plastic base film is provided. The upper region of the base film has a ventilation area extending in the longitudinal web direction and having ventilation openings. Fastening openings are provided on the base film's upper longitudinal edge. A plastic cover film is applied to the ventilation area running in the base film's longitudinal web direction and is reflective on the weather side. The cover film is welded to the base film in a first and second connecting region extending in the base film's longitudinal web direction. The connecting regions

are arranged at least in the cover film's longitudinal edge-side region. The second connecting region facing the lower longitudinal edge of the cover film has spaced-apart welding regions, and each welding region is associated with the nearest fastening opening such that they lie transversely to the base film's longitudinal web direction substantially aligned.



21: 2023/04846. 22: 2023/04/28. 43: 2023/11/01
51: A01G
71: Shandong Institute of Pomology
72: SUN Xiaoli, TIAN Shoule, SHEN Guangning, WANG Jinping
54: PLANTING METHOD OF CHESTNUT WITH HIGH DROUGHT RESISTANCE
00: -
The invention discloses a planting method of Chinese chestnut with high drought resistance, which comprises the following steps: in parts by mass, fully mixing 2-6 parts of methylglyoxal, 1-5 parts of methyl jasmonate, 15-35 parts of trace element chelate, 10-20 parts of fulvic acid and 25-40 parts of water solvent in a stirrer, the mixed solution is put into a spraying device, and under drought stress of chestnut seedlings, the spraying device is used to spray the mixed solution on the leaf surface of chestnut, so that its leaf surface absorbs the mixed solution, which has excellent drought resistance properties. The invention uses methylglyoxal to regulate a variety of physiological processes and the formation of stress tolerance in chestnut leaf seedling germination, plant growth and development, making it have good drought resistance, the process of this method is simple and it can create a chestnut product with high vitality and with low irrigation cost.

21: 2023/04847. 22: 2023/04/28. 43: 2023/11/01
51: E21C
71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: WANG, Zhaoguo, ZHOU, Jie, PAN, Tong
54: EXCAVATION AND DUST REMOVAL ROBOT FOR COAL MINE ROADWAY
00: -
The present invention discloses an excavation and dust removal robot for coal mine roadways. The robot comprises a cutting mechanism, a loading mechanism, a conveying mechanism, a walking mechanism, a frame, rotary table, hydraulic system, and dust removal and water supply system. The cutting mechanism consists of a cutting head and a cantilever segment with a cylindrical stepped shaft at the left end, which is positionally connected to the cutting head spindle. The cantilever segment is fixedly connected to the right end of the segment, supported by bilateral symmetry solid rectangular cantilever beams, and rotatably connected to the left end of the rotary table. The robot's unique design allows for the conveyance of coal, while simultaneously treating dust in the roadway. This feature improves the working environment and efficiency of coal seam excavation while reducing health hazards to staff.



21: 2023/04848. 22: 2023/04/28. 43: 2023/11/01
51: A23L
71: Anqing Normal University
72: Wenjuan LI, Yan WU, Conghu LI, Liangliang ZHU, Meifeng WANG, Yiqing XU
54: A PREPARATION METHOD OF COMPOUND POWDER OF SINGHARANUT STEM
00: -
A preparation method of compound powder of singharanut stem, comprising the following steps: selection and cleaning of singharanut stem: taking the vines of water chestnut, removing the impurities from the surface of the water chestnut vines, saving the stems and washing the stems; enzyme

inactivation and drying of singharanut stem: the washed singharanu stems in step S1 were treated with enzyme inactivation, then drained and vacuum freeze-dried; crushing of singharanut stem: taking the vacuum freeze-dried singharanut stems from step S2, crushing them and passing the crushed singharanut stems through a sieve; compounding: mixing the sieved singharanut stem powder in step S3 with stabilizer, flavouring agent, thickening agent, sweetener and flavour improver in proportion by weight. The present invention adopts the above-mentioned method of preparing composite powder of singharanut stem. It can solve the problem of waste of scraps and environmental pollution during the use of water-grown wild water chestnut or artificially grown water chestnut, which is beneficial to the comprehensive utilization of water chestnut resources and improves its economic benefits. And the prepared product is not layered, not precipitated, rich in nutrition and smooth in taste after blending.

21: 2023/04854. 22: 2023/04/28. 43: 2023/10/31
51: A61K; A61P
71: XIE LI PRODUCTS CO., LTD.
72: SHIH, Cheng-Yen, LIN, Pi-Yu, LIN, Shinn-Zong, HUANG, Chih-Yang, HO, Tsung-Jung, CHIANG, Chien-Yi, LIN, Yu-Jung, SHIBU, Marthandam Asokan, LIM, Wai-Ling
33: US 31: 63/124,939 32: 2020-12-14

54: HERBAL COMPOSITION, METHOD FOR PREPARING SAME AND METHOD FOR PREVENTING OR TREATING VIRAL INFECTIONS BY ADMINISTERING THE SAME

00: -

Provided is an herbal composition including an extract from an herbal raw material including at least one of Artemisia argyi, Ohwia caudata, Anisomeles indica (L.) O. Ktze, Ophiopogon japonicus, Houttuynia cordata, Platycodon grandiflorus, Glycyrrhiza uralensis, Perilla frutescens, and chrysanthemum. Also provided is a method for preparing the herbal composition and a method for preventing or treating a viral infection by administering an effective amount of the herbal composition to a subject in need thereof.

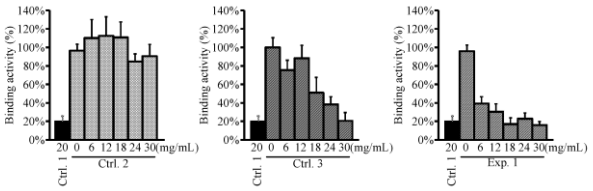


FIG. 1A FIG. 1B FIG. 1C

21: 2023/04859. 22: 2023/04/28. 43: 2023/10/31
51: A01G; A01K; B01D; B09C
71: LOCUS SOLUTIONS IPCO, LLC
72: ZORNER, Paul, ADAMS, Kent, FARMER, Sean
33: US 31: 63/108,392 32: 2020-11-01
33: US 31: 63/119,284 32: 2020-11-30

54: METHODS FOR PRODUCING REDUCED CARBON FOOTPRINT LIVESTOCK

00: -

The subject invention provides compositions and methods for reducing the carbon footprint of producing livestock. Microbe-based soil treatment compositions reduce greenhouse gas emissions from producing livestock feed, and in turn, improve the health and productivity of livestock animals.

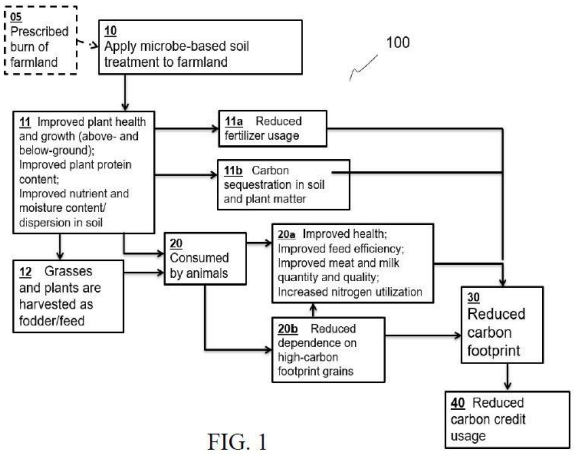
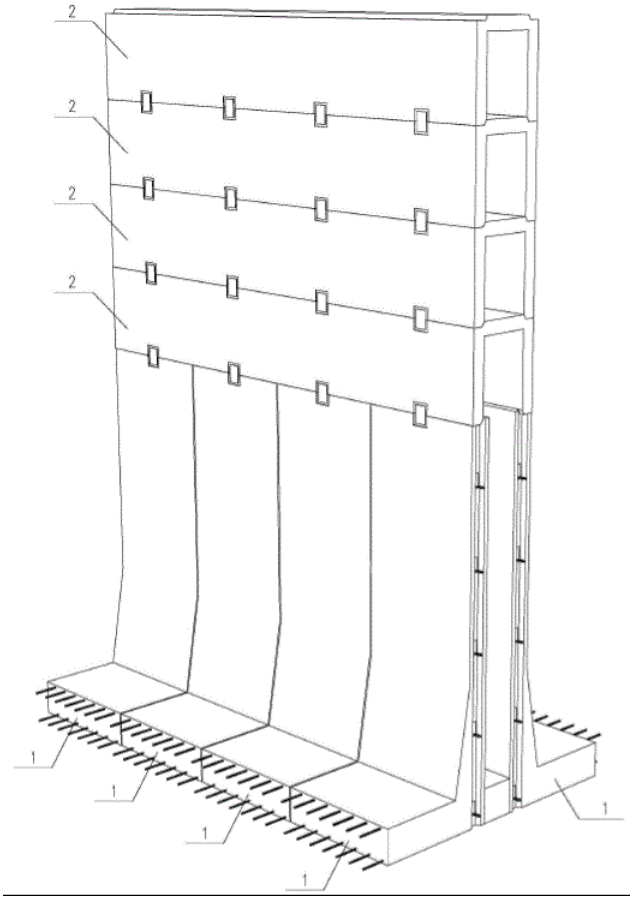


FIG. 1

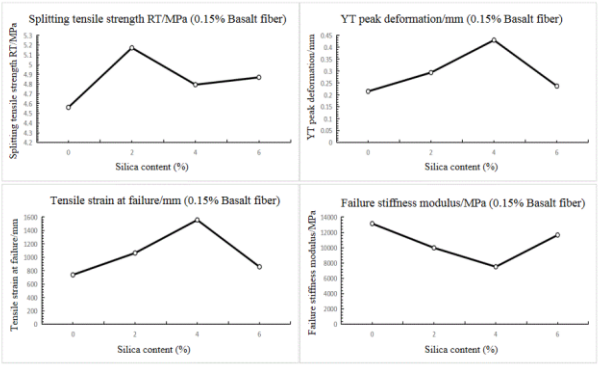
21: 2023/04886. 22: 2023/05/02. 43: 2023/11/02
51: E04B
71: FCEC Prefabricated Building Research Institute Company Limited
72: Yu REN, Siyuan CHI, Zhenshan LIN, Peitao XU
33: CN 31: 202210476939.X 32: 2022-05-02
54: PREFABRICATED PARTITION WALL STRUCTURE AND INSTALLATION METHOD FOR HIGH-PERFORMANCE GRAIN STORAGE
00: -
The invention relates to a prefabricated partition wall structure and installation method for a high-performance grain storage. The prefabricated exterior wall panel structure includes an L-shaped concrete prefabricated wall and a grooved wall panel; an assembled exterior wall panel structure The installation method comprises the steps of: placing L-shaped concrete prefabricated walls in groups on the foundation in sequence on the edge of adjacent walls, so that the bottom plates of each group of L-shaped concrete prefabricated walls are arranged in reverse; and then by pouring The L-shaped concrete prefabricated walls are connected to each other and fixedly connected to the foundation; the channel-shaped wall panels are installed step by step from bottom to top until the stacked channel-shaped wall panels reach under the roof of the granary to complete the assembly of the prefabricated exterior wall.



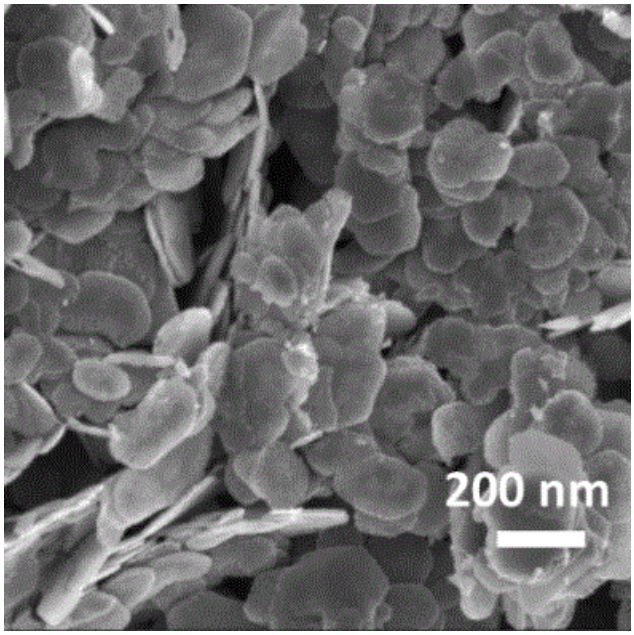
21: 2023/04954. 22: 2023/05/04. 43: 2023/11/16
51: A23L
71: LIUPANSHUI NORMAL UNIVERSITY
72: LIU, Linya, HUANG, Yacheng, HE, Bin
54: A ROXBURGH ROSE BEVERAGE WITH ANTIOXIDANT ACTIVITY AND A PREPARATION METHOD THEREOF
00: -
The present invention relates to the field of health products, in particular to a prickly roxburgh rose beverage with antioxidant activity and a preparation method thereof. The beverage is prepared by a Rosa roxbunghii composition and ingredients, wherein the composition comprises the following components by weight: comprising, 20-50 parts by weight of Rosa roxburghii juice, 10-20 parts by weight of Nori juice, and 10-20 parts by weight of coniferous cherry juice. The preparation method involves grinding and homogenizing the cell structure through a colloid mill, which is conducive to the dissolution of effective components in each component. The composition is clear and transparent, with uniform and stable quality, and has

significant antioxidant effects. The beverage can effectively enhance the body's immune system, and by adding ingredients to adjust the acidity and alkalinity, the taste and quality of the beverage are greatly improved.

21: 2023/04978. 22: 2023/05/05. 43: 2023/11/07
51: C04B
71: Jilin Jianzhu University
72: GAO Chunmei, WU Weijie, WANG Huaipeng, ZHANG Huzhu, TIAN Wei, ZHANG Xiying, MA Lijun, QI Rui, TAO Meijing
54: FREEZE-THAW RESISTANT ASPHALT MIXTURE, PREPARATION METHOD AND APPLICATION THEREOF
00: -
Disclosed are a freeze-thaw resistant asphalt mixture and a preparation method and applications thereof, and relate to the technical field of asphalt materials. Basalt fiber changes the microstructure of asphalt mixture by physical means, affecting the distribution of its internal force chain, thus improving the high temperature stability and low temperature crack resistance of asphalt mixture together with silica. By controlling the amount of silica and basalt fiber, the water stability of asphalt mixture is improved.

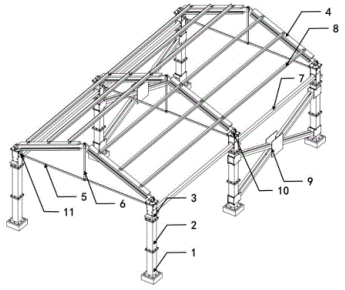


21: 2023/04979. 22: 2023/05/05. 43: 2023/11/07
51: H01M
71: Taiyuan University of Technology
72: Xiaomin WANG, Xiaoqin CHENG, Huijun LI, Zhenxin ZHAO, Yongzhen WANG
33: CN 31: 2023103931771 32: 2023-04-13
54: PREPARATION METHOD FOR TERNARY TIN-BASED COMPOUND ANODE MATERIAL OF SODIUM-ION BATTERIES
00: -
The invention discloses a preparation method for ternary tin-based compound anode material of sodium-ion batteries, the method is as follows: adding selenium powder and sodium borohydride into ethanol solution, stirring and dissolving in an ice bath to obtain solution A; adding sulfur source and $SnCl_4 \cdot 5H_2O$ to the ethanol solution and stirring at room temperature to obtain solution B; adding solution B to solution A and stirring to obtain a mixed solution; adding the mixed solution to a reactor, and heating the reactor in a microwave field after sealing, and obtaining the reaction product after cooling. Cleaning and freeze-drying the reaction product to obtain a ternary tin-based compound anode material of sodium-ion batteries. The preparation method of the invention is relatively mild, one-step microwave synthesis, the process is simple, the reaction conditions are controllable, and the yield is high. It can prepare ternary tin-based compounds with uniform morphology and excellent electrochemical performance, it has excellent performance and has certain development potential in new energy and other fields when used as an anode material for sodium-ion batteries.

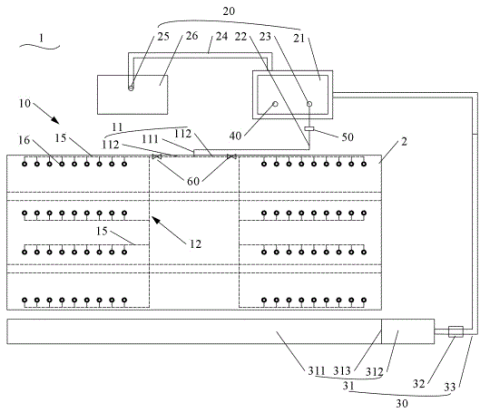


21: 2023/04980. 22: 2023/05/05. 43: 2023/11/07
51: B28B
71: JIANGSU OCEAN UNIVERSITY

72: WANG, Zhuoqun, ZONG, Zhongling, LU, Haoyu, GAO, Ziqing, SONG, Weide, WANG, Xuan, XIE, Qinghai, LUO, Hui, ZHU, Jianguo
33: CN 31: 2023102947804 32: 2023-03-23
54: ULTRA-HIGH PERFORMANCE CONCRETE PRECAST COLUMN AND USING METHOD THEREOF
00: -
Disclosed are an ultra-high performance concrete precast column and a using method thereof. The ultra-high performance concrete precast column includes column section units which are sequentially connected from top to bottom, where the column section units include thin-walled bodies with cavities prefabricated by ultra-high performance concrete and ordinary concrete provided in the cavities, and the cavities of adjacent thin-walled bodies are in communication with each other; and according to the present invention, the ultra-high performance concrete precast column is provided into the plurality of column section units in a section manner, the cavities for pouring the ordinary concrete are formed in the column section units, the ordinary concrete is poured internally on the basis of ensuring strength of the column section units, such that the objective of saving a cost is achieved.

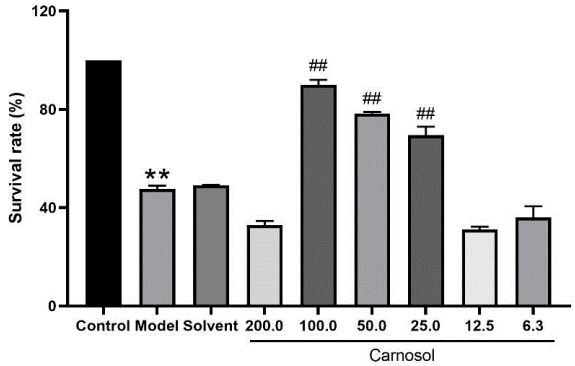


21: 2023/04981. 22: 2023/05/05. 43: 2023/11/07
51: C04B; E01D
71: The 2nd Engineering Co.,Ltd of China Railway 21st Bureau Group Co.,Ltd, China Railway 21st Bureau Group Co.,Ltd
72: ZHU, Jianqiang, CHEN, Bingzhang, ZHU, Tao, HE, Wenjing, SUN, Fengpeng, NIU, Hongmei, MENG, Wu, XI, Pengfei, ZHU, Guansheng
54: CURING SYSTEM FOR CONTINUOUS BEAM
00: -
The present disclosure provides a curing system for a continuous beam. The curing system includes a spraying assembly, a water supply assembly and a recovery assembly; the spraying assembly is arranged on the continuous beam and fixed with the continuous beam at a relative position, and the spraying assembly is configured to spray the continuous beam; the water supply assembly communicates with the spraying assembly, and is configured to provide spraying water required by the spraying assembly; and the recovery assembly is configured to collect dripping water from the continuous beam during a spraying process, and the recovery assembly communicates with the water supply assembly, so that the dripping water, collected by the recovery assembly, can be conveyed to the water supply assembly. The curing system for the continuous beam provided by the present disclosure can recover and recycle a water resource dripping during a curing process



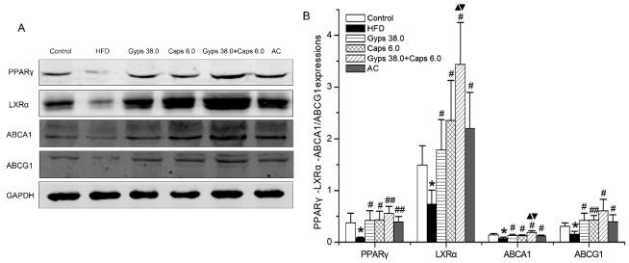
21: 2023/04982. 22: 2023/05/05. 43: 2023/11/07
51: A61K
71: Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences
72: ZHANG Fangbo, WANG Lifang, XU He, YANG Hongjun
33: CN 31: 2023103525320 32: 2023-04-04
54: APPLICATION OF CARNOSOL IN PREPARATION OF MYOCARDIAL PROTECTIVE DRUGS
00: -
The invention discloses an application of carnosol in preparation of myocardial protective drugs, and relates to the technical field of biomedicine. The invention also provides a myocardial protective drug, which takes carnosol as the only active ingredient. According to the invention, an oxidative stress-induced H9c2 myocardial cell injury model is

constructed, and through the evaluation of related targets such as inflammation, oxidative stress, myocardial injury, apoptosis, energy metabolism and the like, it is proved that carnosol has obvious protective effect on oxidative stress- induced myocardial cells, and can be used for preparing myocardial protective drugs.



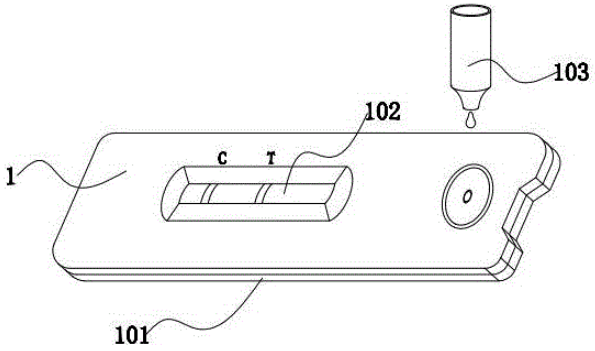
21: 2023/04983. 22: 2023/05/05. 43: 2023/11/07
51: A23L
71: Weihai Ocean Vocational College
72: NIE Xiaowei
54: ORAL LIQUID CONTAINING FISH PROTEOLYTIC POLYPEPTIDE SOLUTION
00: -
The invention belongs to the field of deep processing of aquatic food. The objective of the invention is to provide an oral liquid of fish proteolytic polypeptide with proper taste. The oral liquid includes fish proteolytic polypeptide solution, Radix Codonopsis concentrated juice and Flos Lonicerae concentrated juice, wherein weights of the Radix Codonopsis concentrated juice and the Flos Lonicerae concentrated juice respectively account for 15-30 percent and 3-8 percent of a weight of fish proteolytic polypeptide solution. A preparation method includes steps of preparing fish protein polypeptide solution, deodorizing and debittering of polypeptide solution, preparation of Radix Codonopsis concentrated juice, extraction of Flos Lonicerae concentrated juice and compound preparation. The present invention prepares fish protein peptide oral liquid products with suitable taste, flavor, and high nutritional value through flavor blending and balanced nutrient matching, providing a new idea for the application of fish protein peptides in the food industry.

21: 2023/04984. 22: 2023/05/05. 43: 2023/11/07
51: A61K
71: Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences
72: ZHANG Fangbo, SI Nan, BIAN Baolin, WANG Hongjie, ZHAO Haiyu, YANG Hongjun
33: CN 31: 2023103371125 32: 2023-03-31
54: APPLICATION OF GYPENOSIDES COMBINED WITH CAPSAICINOIDS IN PREPARING MEDICINES FOR PREVENTING AND/OR TREATING NAFLD
00: -
The invention discloses an application of gypenosides and capsaicinoids in preparing a medicine for preventing and/or treating NAFLD, and belongs to the technical field of biomedicine. In the invention, the gypenosides and the capsaicinoids are combined in an animal model for treating NAFLD, and the experimental results show that the combined application of the gypenosides and the capsaicinoids can significantly treat NAFLD compared with the single application of each medicine, and the combined application of the gypenosides and the capsaicinoids has obvious synergy. Therefore, the combination of gypenosides and capsaicinoids can provide reference for clinical treatment of NAFLD, and it is also expected to develop a combination of gypenosides and capsaicinoids for the treatment of NAFLD, which will have broad application prospects.

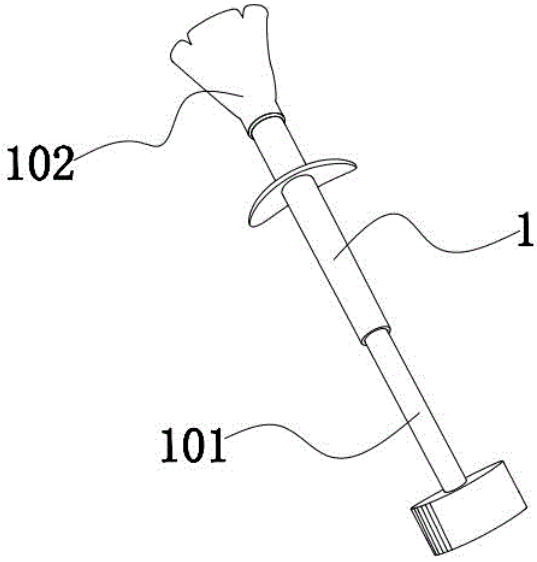


21: 2023/04986. 22: 2023/05/05. 43: 2023/11/07
51: C12Q; G01N
71: FAMID Biomedical Technology (Tianjin) Co., Ltd.
72: JINCHAO MIAO
33: CN 31: 2022114770552 32: 2022-11-23
54: A DETECTION BOX FOR DETECTING AN ANTIBODY ANTIGEN BY USING A CERVICAL CANCER E7 PROTEIN AND A DETECTION METHOD THEREOF

00: -
The present invention provides a detection box and detection method for cervical cancer E7 protein detection antibody antigen. The swing components also include airbags, deformation layers, lining plates, brackets, shafts, links, and sliders. At the end of the tube, the deformation layer is embedded in the end of the airbag away from the end of the slider. The lining plate is swinging on the side of the deformation layer away from the side of the airbag. Applying genetic reorganization and hybrid tumor technology, E7 protein is used for proximal expression and purification, so as to be immunogenic preparation of E7 protein monoclonal antibodies, and preliminary identification to detect the virus in the sample. The drop -down sample is adsorbed to avoid the liquid sample flowing to the inside of the bottom bent, which affects the repetitive use of the bottom beef, so that when the test paper can be unused, the surface of the test strip card can be avoided by pollution.

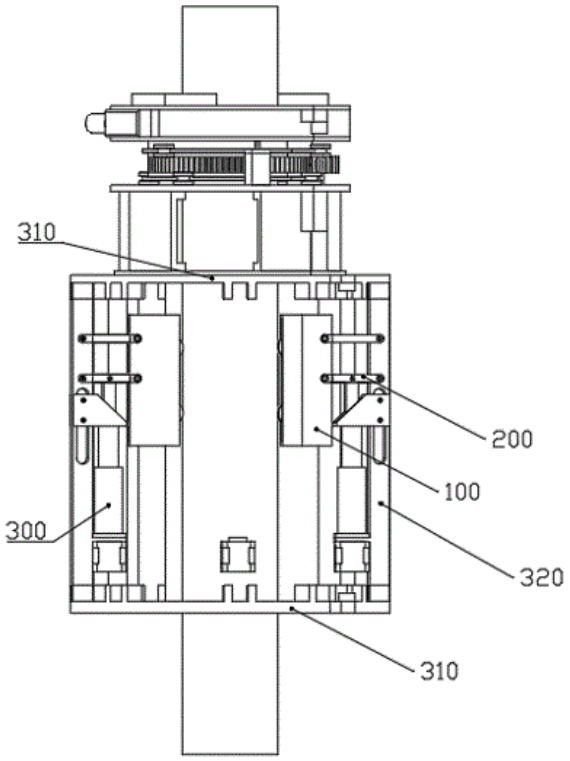


21: 2023/04987. 22: 2023/05/05. 43: 2023/11/07
51: A61B
71: FAMID Biomedical Technology (Tianjin) Co., Ltd.
72: JINCHAO MIAO
33: CN 31: 2022114756659 32: 2022-11-23
54: E7 PROTEIN SELF-HOME DETECTION CERVICAL BRUSH AND INSPECTION METHOD THEREFOR
00: -
The present invention provides a cervical brush and its inspection method for E7 protein home inspection. Swing components include a shaft, baffle, sleeve, telescopic rod, piston rod, piston barrier, deformation layer, and convex strip. The shaft hinges in the sampling brush Close to the inner wall of the tip of the brush head, the baffle is swinging on the side of the shaft, the sleeve is inlaid on the end of the baffle, the telescopic rod slides the nested at the end of the sleeve, and the piston rod slides on the inner wall of the one end of the sleeve. The layer is embedded in one end of the telescopic rod near the sleeve, the piston is inlaid on one end of the deformation layer, and the convex strip is located on both sides of the deformation layer. It can be retracted to the interior of the sampling brush again. After the brush head is returned, the end of the baffle is lost to the squeezing support. The baffle can return through the axis. After the brush head is sampled, the brush head is sealed again.



21: 2023/04989. 22: 2023/05/05. 43: 2023/11/07
51: E01H
71: LIUPANSHUI NORMAL UNIVERSITY
72: ZHANG, Wanhe
54: A WALKING MECHANISM AND DEICING DEVICE
00: -
The present invention relates to the technical field of a power transmission line maintenance equipment, and particularly provides a walking mechanism and a deicing device, wherein the walking mechanism comprises at least two walking units, the walking units are provided with mating surfaces used to mate with a power transmission line, and two said mating surfaces cooperate with each other to realize a movement of the walking mechanism along an axis of the power transmission line; and wherein the walking unit comprises a walking body, the mating

surface is positioned at one side of the walking body, a connecting rod is arranged at the other side of the walking body with one end of the connecting rod being hinged with the walking body, and the connecting rod is provided with a connecting part which is used to connect to a telescopic structure; when the telescopic structure stretches out or retracts back, the walking body can move in an axial direction perpendicular to the telescopic structure, and through a structural design, a contact between the mating surface and the power transmission line can be realized through stretching out or retracting back, and thereby the fitting between the mating surface of the walking mechanism and the power transmission line is ensured, the mating strength between the mating surface and the power transmission line is ensured, and the stability of a robot is ensured; and based on the above walking mechanism, the stability of a deicing device can be ensured when walking on the power transmission line.



21: 2023/04990. 22: 2023/05/05. 43: 2023/11/07
51: C05G
71: LIUPANSHUI NORMAL UNIVERSITY
72: LIU, Linya, HUANG, Yacheng, HE, Bin, Fang, Yumei

54: A SPECIAL FOLIAR FERTILIZER FOR KIWIFRUIT, AND PREPARATION AND APPLICATION METHODS THEREOF

00: -

The present invention belongs to the field of kiwifruit cultivation, and specifically relates to a specialized foliar fertilizer for kiwifruit, a preparation method, and an application. The present invention selects waste fruit residue from the processing of prickly pear and waste branches and leaves from the cultivation of mango as raw materials, and obtains its water extract through extraction. At the same time, inorganic fertilizers such as Chlorella powder rich in natural nutrients, potassium dihydrogen phosphate, urea, nitric acid, and other microbial agents such as Bacillus subtilis, Beauveria bassiana, Bacillus amyloliquefaciens, and Trichoderma harzianum are added, which can promote the growth of kiwifruit, Improve the yield of kiwifruit and facilitate spraying, greatly reducing the labor cost of use.

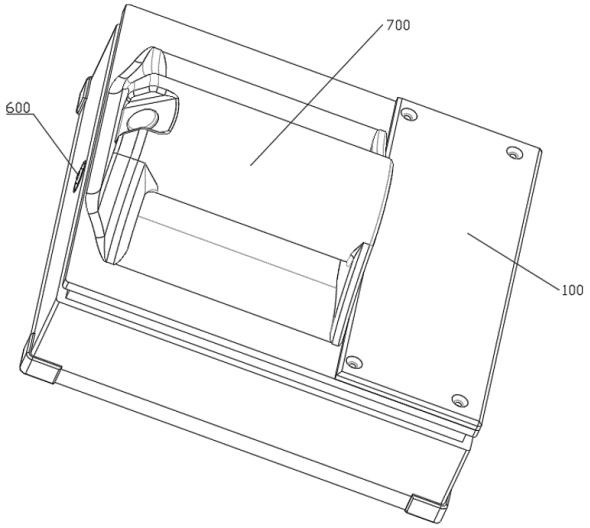
21: 2023/04991. 22: 2023/05/05. 43: 2023/11/07
51: B08B
71: LIUPANSHUI NORMAL UNIVERSITY
72: ZHANG, Wanhe

54: A GLASS PANEL INSPECTION AND CLEANING ROBOT

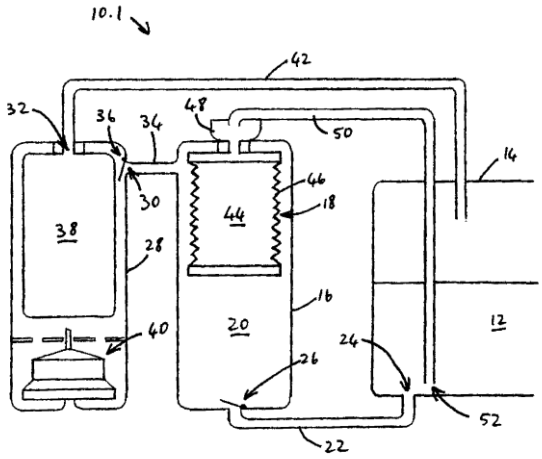
00: -

The present invention relates to the technical field of a cleaning device, and particularly provides a glass panel patrolling and cleaning robot, which comprises a robot body, wherein the robot body is provided with a mating surface used to mate with a glass panel, and an adsorption structure and a walking mechanism are arranged on the mating surface; the glass panel patrolling and cleaning robot further comprises a camera, the camera is arranged on the robot body and is used to detect stains in front of a moving direction of the robot body. Through a structural design of the adsorption structure and the walking mechanism, the patrolling and cleaning robot can be adsorbed on a surface of the glass panel via the adsorption structure, and the patrolling and cleaning robot can be moved on the surface of the glass panel by driving the walking mechanism; the camera is further arranged, and the camera is used to detect stains in front of the moving direction of the robot body, and through a structural design of

the camera, identifying a pollution degree of a glass panel in front of a moving path of the patrolling and cleaning robot can be effectively realized, and therefore, a cleaning mechanism can be more effectively assisted to realize the cleaning of the glass panel, so as to realize a focused cleaning.



21: 2023/05000. 22: 2023/05/05. 43: 2023/11/08
51: B01D
71: SCRAGG, John Edgar
72: SCRAGG, John Edgar
33: ZA 31: 2020/06140 32: 2020-10-05
54: POSITIVE-PRESSURE NON-AGITATING LIQUID FILTRATION
00: -
Contaminants are removed from a liquid (12) in a storage vessel (14), by using a working liquid to varying the volume of a working cavity (44) sequentially inside a working vessel (16) and using the variations in the volume of the working cavity (44) to vary the volume of a suction cavity (20). The working cavity (44) is defined in a working vessel (18) and the suction cavity (20) is defined in a suction vessel (26) and the vessels (16,18) are configured so that the volumes of their internal cavities (20,44) are inter-dependent. Using non-return mechanisms (26,36) to ensure one-way from the storage vessel (14) via the suction cavity (20) to a filter (28) and back to the storage vessel (14).



21: 2023/05013. 22: 2023/05/05. 43: 2023/11/16
51: A61B
71: CENTRAL CHINA NORMAL UNIVERSITY
72: LIU, Sannyuya, YANG, Zongkai, ZHAO, Liang, DAI, Zhicheng
33: CN 31: 202011301746.8 32: 2020-11-19
54: MILLIMETER WAVE RADAR-BASED NON-CONTACT REAL-TIME VITAL SIGN MONITORING SYSTEM AND METHOD
00: -
A millimeter wave radar-based non-contact real-time vital sign monitoring system and method. The monitoring system comprises: a millimeter wave transceiving module (1), a real-time signal acquisition module (2), a real-time signal processing module (3), and a visualization module (4). The millimeter wave transceiving module (1) is used for transmitting millimeter waves and receiving echo signals thereof; the real-time signal processing module (3) is used for extracting respiratory signals and heart rate signals by means of clutter suppression; and the visualization module (4) is used for performing waveform fitting on the respiratory signals and heart rate signals, and displaying, by means of a visual interface, the position, respiration, and heart rate of a subject in real time. The clutter suppression effectively overcomes the effect of environmental noise, such that the accuracy of the monitoring system is improved. In addition, the respiratory signals and heart rate signals are fitted by means of an iterative algorithm to visually display relevant waveforms and monitoring results.

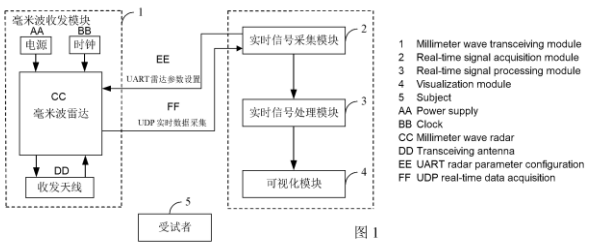


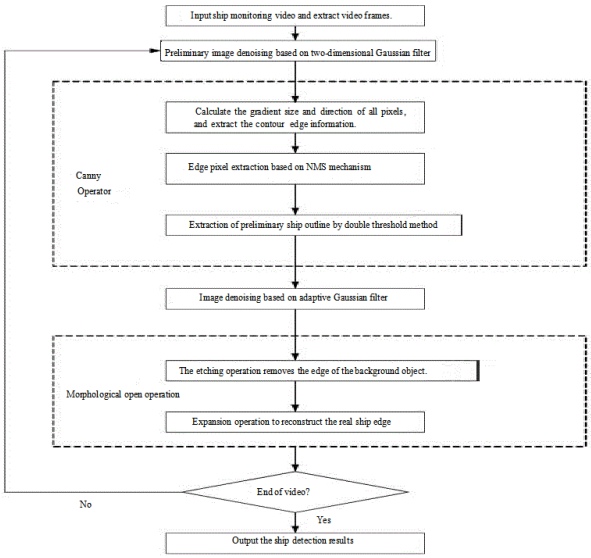
图 1

21: 2023/05030. 22: 2023/05/08. 43: 2023/11/09
51: G06T
71: Shanghai Maritime University, Shanghai Ship and Shipping Research Institute Co., Ltd
72: CHEN Xinqiang, LV Siying, YANG Yongsheng, WU Huafeng, HAN Bing, WU Zhongdai, MEI Xiaojun, ZHANG Qiannan, XIAN Jiangfeng, ZHOU Yamin

54: SHIP DETECTION METHOD BASED ON MACHINE VISION

00: -

The invention provides a ship detection method based on machine vision, which carries out ship detection from the image frame of maritime surveillance video, obtains ship outline information, and identifies ships with different imaging sizes. This method includes three parts: ship contour extraction, noise elimination and ship contour reconstruction. Firstly, Canny operator is used to extract all possible ship contour information in the image frame. Then, Gaussian filter operator is used to further smooth and denoise the ship contour extracted by Canny operator to remove the contour pixels corresponding to noise, such as background image information. Finally, the ship contour is reconstructed by the open operation of morphological method, and the final ship detection result is obtained. The method is applied to ship detection in different traffic conditions and ship wake interference scenes, and the detection performance of the method is verified. The method of the invention has higher accuracy in different test scenarios and better detection effect.



21: 2023/05031. 22: 2023/05/08. 43: 2023/11/09
51: C09J
71: Shandong Zhongyuan New Materials Co.LTD
72: Zhigang TAN
33: CN 31: 2023104066685 32: 2023-04-17

54: A TRIALDEHYDE ADHESIVE FILLER WITH ANTIBACTERIAL FUNCTION FOR ARTIFICIAL BOARD AND ITS APPLICATION

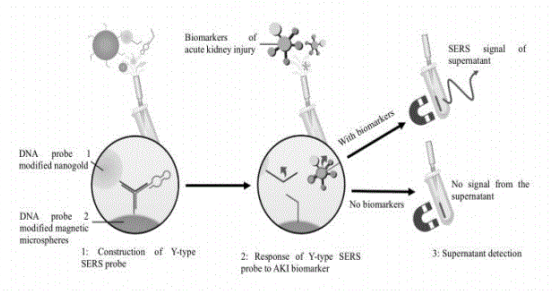
00: -

The present invention discloses a trialdehyde adhesive filler with antibacterial function for artificial board and its application. The trialdehyde adhesive filler with antibacterial function for artificial board includes 30 ~ 50% base material, 20 ~ 40% reinforcing thickener,, 5 ~ 30% bulking agent, 0.5 ~ 10% antibacterial tackifier and 1.5 ~ 25% active ingredient. The present invention provides a trialdehyde adhesive filler with antibacterial function for artificial board, which can effectively reduce the formaldehyde emission of artificial board,, and can also significantly improve the bonding strength of adhesives and the qualified rate of impregnation stripping performance; by adding antibacterial tackifier and improving the water resistance of the adhesive through chemical reaction, the antibacterial function of artificial board, can be effectively improved, and the service life of artificial board can be improved and resources can be saved; it greatly reduces the use of flour, saves a lot of food, and can also realize the high value utilization of agricultural waste, which has a good application prospect.

21: 2023/05032. 22: 2023/05/08. 43: 2023/11/09
51: H01M
71: INSTITUTE OF APPLIED CHEMISTRY , JIANGXI ACADEMY OF SCIENCES
72: YAN, Nanfu
54: POSITIVE ELECTRODE MATERIAL CONTAINING NANOTUBE TUNGSTEN NITRIDE AND PREPARATION METHOD THEREOF
00: -
The present disclosure discloses a positive electrode material containing nanotube tungsten nitride and a preparation method thereof. The positive electrode material containing nanotube tungsten nitride comprises nanotube tungsten nitride and a compound having an olivine structure. The nanotube tungsten nitride has a diameter of 1-6 nanometers and a length of 20-150 nanometers. The nanotube tungsten nitride is prepared by calcining a nanotube W18O49 and a nitrogen source. In the present disclosure, the nanotube tungsten nitride has a one-dimensional nanotube structure, which facilitates electron transmission, and meanwhile, the dispersibility of the compound having the olivine structure can be improved, thereby improving the conductivity and rate capability of the positive electrode material; and the positive electrode material provided by the present disclosure is relatively stable in acidic and alkaline environments, and can guarantee structural characteristic stability during a charge-discharge cycle process.

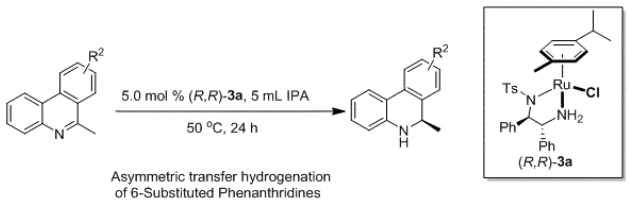
21: 2023/05034. 22: 2023/05/08. 43: 2023/11/09
51: A01G
71: Institute of Tropical and Subtropical Economic Crops, Yunnan Academy of Agricultural Sciences, Baoshan Longyang Zuoyuan Coffee Co., Ltd., Flavor Beverage Institute, Chinese Academy of Tropical Agricultural Sciences
72: CHENG, Jinhuan, DONG, Wenjiang, FAN, Qizuo, HE, Hongyan, HUANG, Jiaxiong, LOU, Yuqiang, WU, Ruirui, FU, Xingfei, LI, Guiping, LI, Yanan, LI, Yaqi, FAN, Wenhao, YANG, Chongzhen, YU, Haohao
33: CN 31: 2023102869307 32: 2023-03-22
54: METHOD FOR GRAFTING COFFEE TREE WITH HIGH SURVIVAL RATE WITHOUT AFFECTING YIELDS AND APPLICATION THEREOF
00: -
The present invention provides a method for grafting a coffee tree with a high survival rate without affecting yields and application thereof The present invention performs semi-circular cutting on the trunk bark of an upper part of a graft union without cutting branches; a scion is a straight branch with certain lignification; the bark near the graft union of rootstock is smooth, and the size and shape of the graft union are similar to the scion; water and fertilizer management of plants are performed; sprouts growing under the graft union should be removed in time; the film is released in time in response to the scion germinating and breaking through the film; a straight branch on a scion is retained; branches should be cut at 10 to 20 cm above the graft union upon the scion grows and fresh fruits are harvested.

21: 2023/05035. 22: 2023/05/08. 43: 2023/11/09
51: G01N
71: Hainan Medical University
72: CHENG, Ziyi, WU, Linxu, ZHAO, Linlu, LIU, Heng, YU, Fabiao
54: SERS PROBE BIOSENSOR AND PREPARATION METHOD AND USE METHOD THEREOF
00: -
The present disclosure discloses an SERS probe biosensor, a preparation method and a use method thereof. The SERS probe biosensor prepared by the present disclosure has the advantages of high sensitivity, high specificity, low sample consumption and high accuracy, and can effectively realize accurate diagnosis of acute kidney injury.



21: 2023/05036. 22: 2023/05/08. 43: 2023/11/09
51: A01G
71: Institute of Tropical and Subtropical Economic Crops, Yunnan Academy of Agricultural Sciences, Baoshan Longyang Zuoyuan Coffee Co., Ltd., Flavor Beverage Institute, Chinese Academy of Tropical Agricultural Sciences
72: CHENG, Jinhuan, HE, Hongyan, FAN, Qizuo, DONG, Wenjiang, HUANG, Jiaxiong, LOU, Yuqiang, WU, Ruirui, FU, Xingfei, LI, Yanan, LI, Guiping, LI, Yaqi, FAN, Wenhao, YANG, Chongzhen, YU, Haohao
33: CN 31: 2023102915254 32: 2023-03-22
54: REJUVENATION AND RENEWAL METHOD FOR AGING COFFEE TREE AND APPLICATION THEREOF
00: -
The present invention provides a rejuvenation and renewal method for an aging coffee tree and application thereof in the technical field of rejuvenation and renewal of declining trees. The present invention retains one trunk and three to four pairs of primary straight branches at the bottom of the aging coffee tree, and the rest are directly cut. The retained straight branches are top-pruned to generate more main fruiting branches to ensure the yield of the cut coffee cherry. Two opposite sprouts are retained in response to sprouts emerging from a cut stem, and the rest are directly removed. The primary straight branches retained after cutting are normally pruned to ensure the yield. The average yield per mu of an aging coffee tree is only 90 kg, but the risk of impact on the yield can be reduced to zero using the method of the embodiment.

21: 2023/05037. 22: 2023/05/08. 43: 2023/11/09
51: A61K
71: Guizhou Minzu University
72: Fang TAN, Daohai ZHANG, Zhusheng YANG
54: A NEW METHOD FOR SYNTHESIS OF CHIRAL 5,6- DIHYDROPHENIDINE COMPOUNDS
00: -
The invention relates to a synthesis method of a novel chiral 5, 6-dihydrophenidine compound belonging to the technical field of organic synthetic chemistry. The preparation method includes the following steps: adding 6-substituted phyridine substrate as reactant, adding anhydrous deoxidized isopropyl alcohol as hydrogen source and reaction solvent, adding chiral diamine metal ruthenium complex as catalyst, the reaction system after repeated nitrogen replacement 3 times, nitrogen protection, stirring reaction at 50 degrees Celsius for 24 hours. The reaction system was separated by thin layer chromatography after removing solvent under pressure. In this method, chiral 5, 6-dihydrophyridine was prepared by one-step hydrogen transfer of phyridine. The reaction conditions were mild, safe and simple, and hydrogen could be avoided.



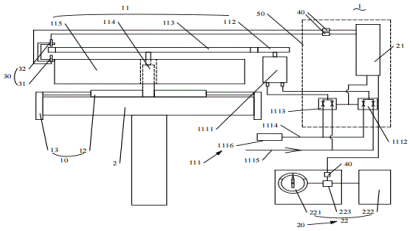
Asymmetric transfer hydrogenation of 6-Substituted Phenanthridines

21: 2023/05038. 22: 2023/05/08. 43: 2023/11/09
51: G01M; G01R
71: CIMC Huanyu (Shandong) Vehicle Certification Testing Co., Ltd.
72: TIAN, Xiaochong, HUANG, Xiaobo

54: ROBOT FOR AUTOMOTIVE STEERING PERFORMANCE TESTING IN EMC LABORATORY

00: -

Disclosed is a robot for automotive steering performance testing in an EMC laboratory. The robot includes a drive mechanism and a control mechanism, where the drive mechanism includes a pneumatic driving assembly, a telescopic assembly, and a clamping assembly, where an outer end of the telescopic assembly is fixedly connected with the clamping assembly, the telescopic assembly is fixedly connected with the pneumatic driving assembly, the telescopic assembly causes the clamping assembly to move in an radial direction of the steering wheel, and the pneumatic driving assembly injects gas and drives the telescopic assembly, the clamping assembly and the steering wheel to rotate coaxially and synchronously; the control mechanism is connected with the pneumatic driving assembly and controls the action of the pneumatic driving assembly. The robot provided by the present invention reduces electromagnetic interference to the outside world and is capable to improve the applicability.

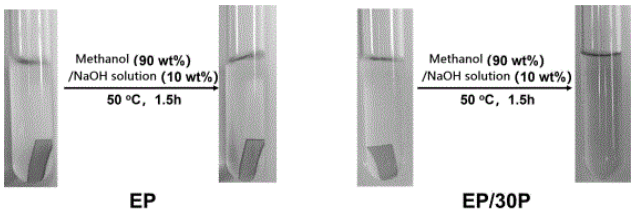


21: 2023/05043. 22: 2023/05/08. 43: 2023/11/09
51: C08L
71: Taiyuan University of Technology
72: Chao MA, Xiaomin WANG, Yang MIAO
33: CN 31: 202310425795X 32: 2023-04-20

54: FLAME-RETARDANT DEGRADABLE EPOXY RESIN BASED ON A PHOSPHONATE STRUCTURE AND ITS PREPARATION METHOD

00: -

The invention discloses a flame-retardant degradable epoxy resin based on a phosphonate structure and its preparation method, comprising the following steps: S1, adding allyl alcohol to the container, adding solvent A and acid binding agent and mixing evenly, and then adding phenylphosphonic dichloride under the protection of inert gas to obtain intermediate products; S2, adding the intermediate product obtained from S1, solvent B and oxidant to the container, and washing the obtained solution to obtain a phosphorus-containing epoxy resin monomer; S3, mixing the phosphorus-containing epoxy resin monomer obtained by S2 with bisphenol A glycidyl ether and adding a curing agent after mixing evenly to obtain a flame retardant and degradable epoxy resin with a phosphonate structure. In this invention, a flame-retardant degradable epoxy resin based on a phosphonate structure and its preparation method is adopted, the phosphonate structure is introduced into the main chain of epoxy resin to prepare an epoxy resin with both flame-retardant and controllable degradation properties, which solves the problem of flammability and difficulties in controllable degradation of bisphenol A epoxy resin in the existing technology.



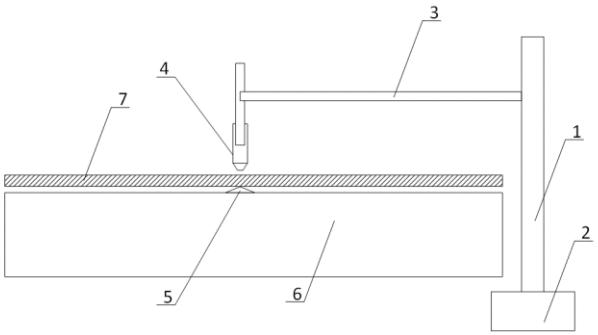
21: 2023/05044. 22: 2023/05/08. 43: 2023/11/09
51: G01N
71: JINHUA POLYTECHNIC
72: YANG, Xiaohong, TANG, Jinhua, CHEN, Yuan, LV, Feng, GE, Jianya, ZHANG, Zhengzhong

54: PREFABRICATED DEVICE FOR CRACKED SPECIMENS OF AMORPHOUS ALLOY FILMS

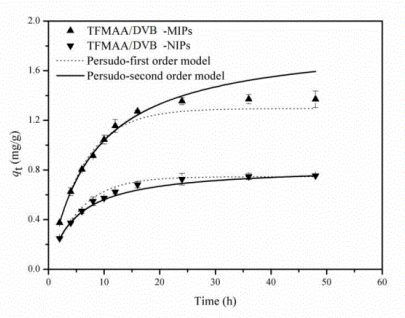
00: -

The model relates to the field of amorphous alloys, and provides an amorphous alloy thin film cracked specimen preform device, said amorphous alloy thin film cracked specimen preform device includes a lifting rod, a base, a cross bar, a pressing module, a support table, one end of said lifting rod is fixedly connected to said base, said lifting rod is provided with a sliding recess along the axial direction, said sliding recess is provided with a screw assembly, one end of said cross bar is fixedly connected to said cross bar is fixedly set with said screw assembly, one end of said cross bar is able to move in the direction of said lift bar axis, the other end of said cross bar is fixedly connected with said pressing module; said support table is provided with a flange on the end surface, said flange is set with said pressing module to be prefabricated film, the

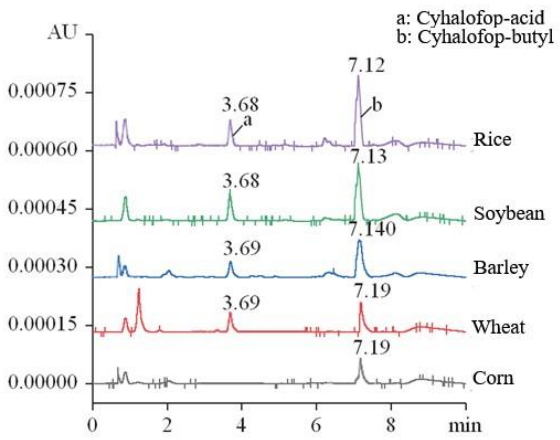
edge of said flange is able to contact with said pressing module. The device not only has a simple structure, but also can quickly process amorphous alloy film specimens with film cracks.



21: 2023/05045. 22: 2023/05/08. 43: 2023/11/09
51: C02F
71: China Agricultural University
72: CAO, Fengmei, HUANG, Guangqun, ZHOU, Yuguang, WU, Min, LIU, Shan, ZHANG, Jingzhi
54: PREPARATION METHOD OF ADSORBENT FOR REMOVING TYPICAL PERFLUORINATED COMPOUNDS IN WATER ENVIRONMENT
00: -
A preparation method of an adsorbent for removing typical perfluorinated compounds in a water environment is disclosed. Using 2-(trifluoromethyl) acrylic acid and divinylbenzene as bifunctional monomers, and perfluorooctanoic acid as a template compound, polymerization is initiated to produce a bifunctional monomer molecularly imprinted polymer TFMAA/DVB-MIP, i.e., the adsorbent for removing the typical perfluorinated compounds in the water environment. The adsorbent for removing the typical perfluorinated compounds in the water environment prepared by the preparation method provided by the present invention can carry out efficient selective adsorption removal on long-chain perfluorinated compounds such as PFOA and PFOS in an aqueous phase. The adsorbent for removing the typical perfluorinated compounds in the water environment synthesized in this patent has good selective adsorbability and regenerability, and can be used for adsorption removal of the long-chain perfluorinated compounds in various water environments.



21: 2023/05049. 22: 2023/05/08. 43: 2023/11/09
51: G01N
71: ALASHANKOU CUSTOMS TECHNOLOGY CENTER
72: YANG, Li, LI, Lan, XU, Xinzhong, WANG, Ke, LV, Xinming, LIU, Haili, XU, Xin, WANG, Dong, SUN, Chunxiao, ZHANG, Yimeng, DAI, Long, CHEN, Wei, YEDENG, Chaole, DI, Jie
33: CN 31: 202310463255.0 32: 2023-04-24
54: DETECTION METHOD FOR RESIDUAL AMOUNTS OF CYHALOFOP-BUTYL AND CYHALOFOP-ACID IN GRAINS AND OILSEEDS
00: -
Disclosed is a detection method for residual amounts of cyhalofop-butyl and cyhalofop-acid in grains and oilseeds, and relates to the technical field of pesticide residue detection, comprising sample pretreatment and ultra-high performance liquid chromatography analysis. The method of the present invention can simultaneously determine contents of the cyhalofop-butyl and the cyhalofop-acid in the grains and oilseeds. Mass concentrations of the cyhalofop-butyl and the cyhalofop-acid have a good linear relationship with peak areas within a range of 0.002-5 μg/ml; and quantitation limit concentrations in the grains and oilseeds are 0.01 mg/kg and 0.02 mg/kg respectively. A pretreatment process is simple; a detection process is accurate and efficient; sensitivity and accuracy meet requirements of pesticide residue detection; and the method is suitable for residue detection of the cyhalofop-butyl and the cyhalofop-acid in the grains and oilseeds.

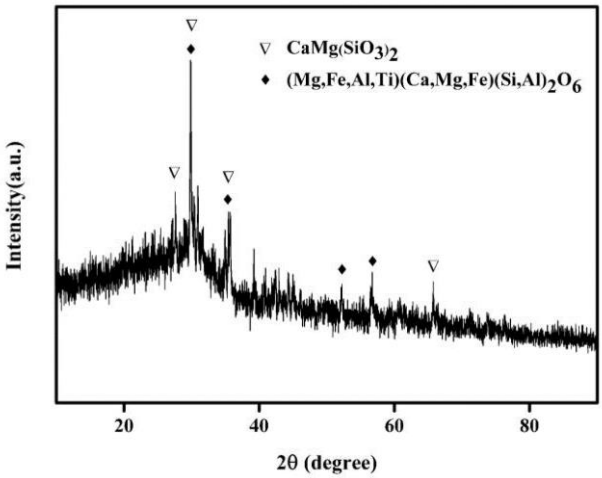


21: 2023/05056. 22: 2023/05/08. 43: 2023/11/09
51: C03C
71: Shanghai University
72: ZHEN, Qiang, CHEN, Chen, ZHENG, Feng

54: METHOD FOR PREPARING FOAMED CERAMIC GLASS FROM TITANIUM EXTRACTION TAILINGS AND WASTE GLASS

00: -

The present disclosure discloses a method for preparing foamed ceramic glass from titanium extraction tailings and waste glass. The method comprises the following steps: (1) grinding the titanium tailings and the waste glass to serve as raw materials; (2) preparing Na2CO3 and B2O3 to serve as additives; (3) mixing the raw materials and the additives, performing wet grinding and mixing by taking ethanol as a solvent, and then drying; (4) filling into a mold, performing compression molding, and roasting and foaming in an electric furnace; and (5) cooling to normal temperature to obtain the foamed ceramic glass. According to the present disclosure, the preparation process is simple, the energy consumption is low, and the obtained product is high in additional value.



21: 2023/05057. 22: 2023/05/08. 43: 2023/11/09
51: A61P
71: INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES
72: WU, Haiqing, SU, Shaofeng, QIAO, Jianmin, Teri Gele, JIA, Xiaoqing, MA, Yuejun, SUN, Peipei, BAI, Jinyu

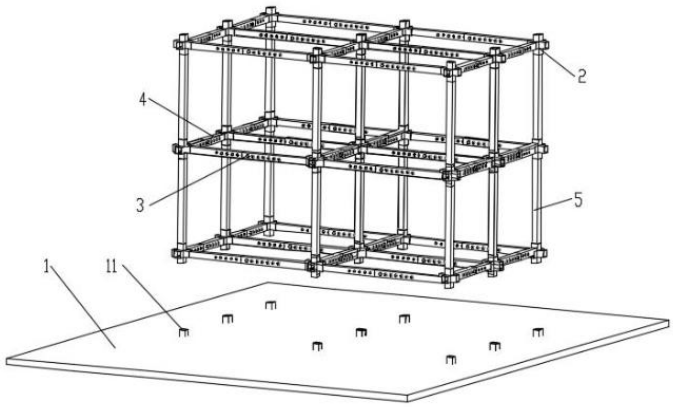
54: A BACTERIOSTATIC DILUENT BENEFICIAL TO DONKEY UTERINE HORN INSEMINATION AND A PREPARATION METHOD THEREOF

00: -

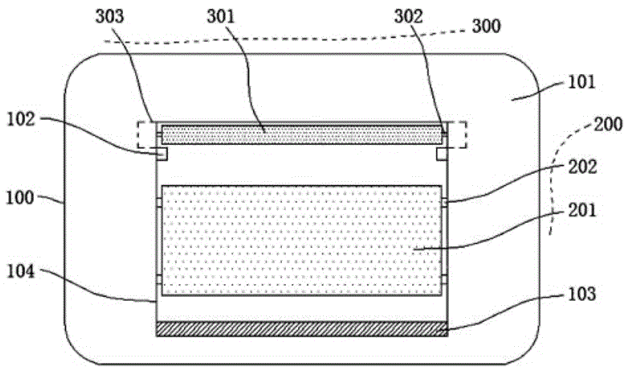
The present invention discloses a bacteriostatic diluent beneficial to donkey uterine horn insemination and a preparation method thereof. Advantages: The in vitro capacitation of sperms can be improved and the sperm vitality can be maintained by adding a proper amount of taurine, hypotaurine, bovine serum albumin, heparin sodium and progesterone. After original sperm is diluted, the conception rate can still be increased, the purpose of high-fold dilution of sperm can be realized, and under the condition of a certain amount of original sperm, the utilization rate of male donkey sperm can be greatly increased; the number of the fertilized female donkeys is further increased, so that more female donkeys can become pregnant, the development of the breeding scale of a donkey breeding enterprise is promoted, and the economic benefits of the enterprise are improved; The metritis incidence of the female donkey can be effectively reduced by adding a proper amount of cefoxitin sodium, amphotericin and polymyxin, and the healthy uterus environment of the female donkey is guaranteed, the application and popularization of a

deep insemination mode are promoted, and a powerful guarantee can be provided for improving the conception rate.

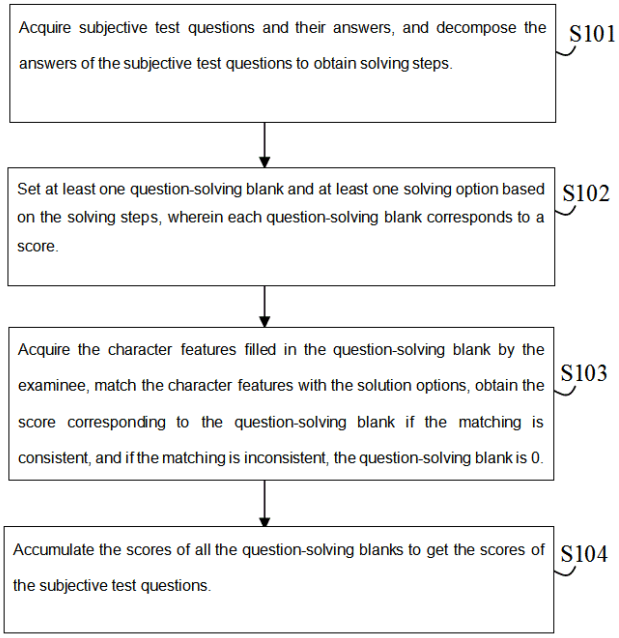
21: 2023/05058. 22: 2023/05/08. 43: 2023/11/09
51: E04B
71: CHINA CONSTRUCTION FIFTH ENGINEERING BUREAU CO., LTD., GUANGDONG ZHONGSHI CONSTRUCTION CO., LTD
72: XIE, Weidong, QIU, Yang, HE, Guiliang, WANG, Qirong, ZHOU, Yi
54: MODULAR BUILDING ASSEMBLY STRUCTURE AND ASSEMBLY METHOD
00: -
The present invention discloses a modular building assembly structure and an assembly method, wherein the assembly structure is connected to the ground, and comprises: a plurality of joints, a plurality of X-axis adjusting connecting pieces, a plurality of Y-axis adjusting connecting pieces, a plurality of supporting columns, a plurality of vertical wide baffle plates, and a plurality of vertical narrow baffle plates; the plurality of joints are at least distributed into two layers from top to bottom, each layer is at least provided with four joints, and the joints of each layer are arranged in an array; the joints on every two X-axes are connected through the X-axis adjusting connecting piece; the joints on every two Y-axes are connected through the Y-axis adjusting connecting piece; and the joints on every two Z-axes are connected through the supporting column. According to the present invention, when a spacing between the joints on the two Y-axes changes and/or a spacing between the joints on the two Y-axes changes, the number of the vertical wide baffle plates and the number of the vertical narrow baffle plates are increased or decreased, so that a space size of a single building module can be adjusted.



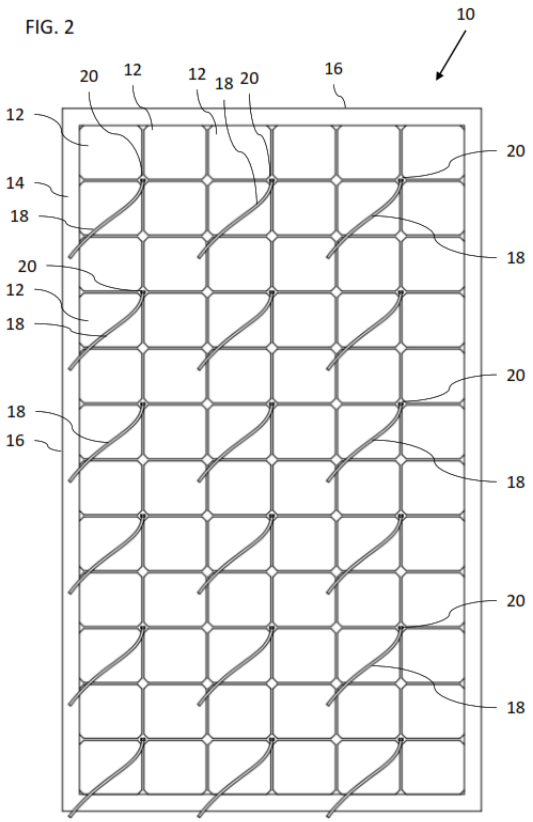
21: 2023/05059. 22: 2023/05/08. 43: 2023/11/09
51: G06F
71: SICHUAN VOCATIONAL SCHOOL OF COMMUNICATION
72: DingGuo ZHANG, Dan LI, Rui LI, Yuyang XIA, Hui CHEN, Feng YANG
54: INTEGRATED COMPUTER DESK
00: -
The present invention relates to the technical field of computer desks, and discloses an integrated computer desk which comprises a desktop, a shelving assembly and a covering assembly, wherein a desk underside of the desktop is mated with the shelving assembly, and the desk underside of the desktop is mated with the covering assembly; wherein a storage groove is formed inside the desktop; wherein the shelving assembly comprises a shelving plate, and the shelving plate is arranged inside the storage groove; wherein the covering assembly comprises a covering plate, and the covering plate is arranged at the top of the storage groove. Through a mutual mating between the shelving plate and the covering plate, the integrated computer desk is convenient for students to use a computer in class by using the shelving plate to place the computer. When there is a need to discuss and communicate, the integrated computer desk is convenient for students to have practical communication only by moving the shelving plate in a direction opposite to a desk topside, closing the display screen of the notebook computer, and then closing the covering plate to embed the covering plate inside the storage groove.



21: 2023/05060. 22: 2023/05/08. 43: 2023/11/09
51: G06F
71: Yunnan Minzu University
72: Xiong Lianglin, Zhang Haiyang, Chen Junhua
33: CN 31: 202310036912.3 32: 2023-01-10
54: OBJECTIVE EEVALUATION METHOD, DEVICE AND MEDIUM FOR ONLINE SUBJECTIVE TEST QUESTIONS
00: -
The invention discloses an objective evaluation method, device and medium for online subjective test questions. And the method comprises the followings: acquire subjective test questions and their answers, and decompose the answers of the subjective test questions to obtain solving steps; set at least one question-solving blank and at least one solving option based on the solving steps, wherein each question-solving blank corresponds to a score; acquire the character features filled in the question-solving blank by the examinee, match the character features with the solving options, obtain the score corresponding to the question-solving blank if the matching is consistent, and if the matching is inconsistent, the question-solving blank is 0; accumulate the scores of all the question-solving blanks to get the scores of the subjective test questions. All questions are tested online, and paperless examination is carried out in an all-round way, so as to reduce the examination cost, simplify the examination process, improve the examination efficiency, promote fairness and justice, and strictly enforce the examination discipline, so as to realize the real intelligence of college mathematics examinations.

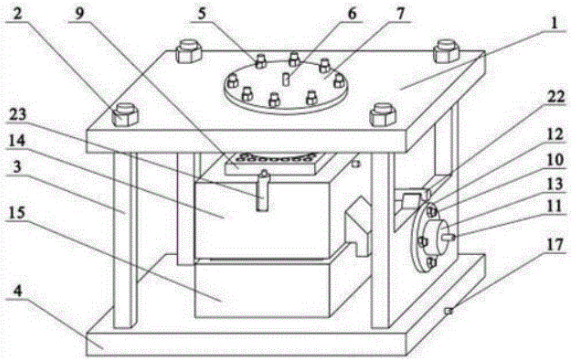


21: 2023/05066. 22: 2023/05/08. 43: 2023/11/09
51: B01B; B08B; H01L; H02S
71: DUSTOSS LTD
72: SEFI, Hadar, SEFI, Yoel, MAZOUZ, Lidor
33: US 31: 63/113,997 32: 2020-11-16
33: WO 31: PCT/IB2021/060602 32: 2021-11-16
54: WIND-CLEANED PHOTOVOLTAIC SOLAR PANEL
00: -
A wind-cleaned photovoltaic solar panel (10) has an array of photovoltaic cells (12) under a panel surface (14). A two-dimensional array of cleaning elements (18) are anchored to the panel surface at cleaning-array locations (20) on the panel surface, at least one of which is spaced away from edges of the panel. Each of the cleaning elements (18) is an elongated wind-displaceable element having a length less than 50 percent of a width of the panel surface (14).



21: 2023/05093. 22: 2023/05/08. 43: 2023/11/09
51: A61K; A61P
71: ACOUSIA THERAPEUTICS GMBH
72: BÖGERSHAUSEN, Ansgar, LIEBICH, Lena, RISCHER, Matthias
33: EP 31: 20208665.8 32: 2020-11-19
54: NON-AQUEOUS GEL COMPOSITION
00: -
The present invention discloses a non-aqueous gel composition which is useful for administration of pharmaceutically active agents, in particular for transtympanic administration of pharmaceutically active agents. The non-aqueous gel composition comprises - castor oil, present in an amount from 85 to 95 % by weight, based on the total weight of the composition, - an oleoyl macrogolglyceride, preferably Labrafil®, present in an amount from 2 to 6 % by weight, based on the total weight of the composition, - at least one thickener, preferably silicon dioxide, more preferably colloidal silicon dioxide, present in an amount from 1 to 6 % by weight, based on the total weight of the composition, and wherein - the viscosity of the composition at a temperature of 25°C is between 1400 and 2400 mPas, preferably between 1400 and 1800 mPas.

21: 2023/05105. 22: 2023/05/09. 43: 2023/11/13
51: G01N
71: Henan University of Urban Construction
72: ZHENG, Chao, BAI, Zhe, ZHAI, Panpan, NIU, Haoliang, LI, Peng, LI, Shuai, GUO, Lulu, ZHANG, Shuo, ZHAI, Juyun
54: ROCK-SOIL MASS SHEARING CREEPMETER CONSIDERING DRY-WET CYCLE
00: -
Provided is a rock-soil mass shearing creepmeter considering a dry-wet cycle. The rock-soil mass shearing creepmeter includes a bracket, where the bracket includes a top plate, a base plate and a plurality of support columns, and the top plate and the base plate are fixed at upper and lower ends of the support columns, respectively; a fixed groove is formed in the base plate, a passive shearing box is arranged in the fixed groove, and the passive shearing box is fixed on the base plate; a normal loading mechanism is fixed on the top plate, the active shearing box is arranged in relative to the passive shearing box, and an accommodating groove is respectively formed in adjacent faces of the active shearing box and the passive shearing box; and a side plate is arranged on one side of the bracket, a shearing-loading mechanism is arranged on the side plate.

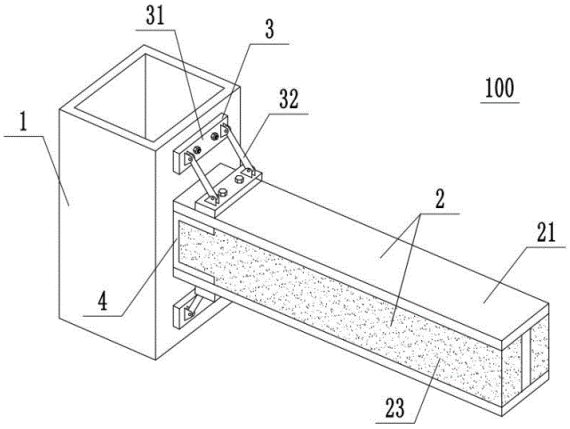


21: 2023/05106. 22: 2023/05/09. 43: 2023/11/13
51: E04B
71: Henan University of Urban Construction
72: BAI, Zhe, ZHENG, Chao, NIU, Ganggang, MA, Qiuge, XUE, Na, ZHANG, Yongcun, LI, Shuai, NIU, Haoliang

54: PREFABRICATED CONNECTING STRUCTURE FOR BOX-TYPE STEEL COLUMN AND PEC BEAM

00: -

The present disclosure provides a prefabricated connecting structure for a box-type steel column and a PEC (Partially Encased Composite) beam. Connected assemblies and reinforced assemblies are fixedly arranged at a joint of the box-type steel column and the PEC beam; two connected assemblies are symmetrically arranged at front and rear sides of a steel core in respective, each connected assembly includes a connecting plate, a top plate and a base plate, two outer wall faces of the connecting plate can fit with an outer wall face of the box-type steel column and a wall face of the web in respective, and the wall face at the top of the top plate and the wall face at the bottom of the base plate can fit with a wall face of a flange; and two reinforced assemblies are symmetrically arranged on upper and lower sides of the steel core in respective.



21: 2023/05107. 22: 2023/05/09. 43: 2023/11/13

51: E02D

71: Anhui Ganghao Jiangnan Ecological Environment Technology Co., Ltd

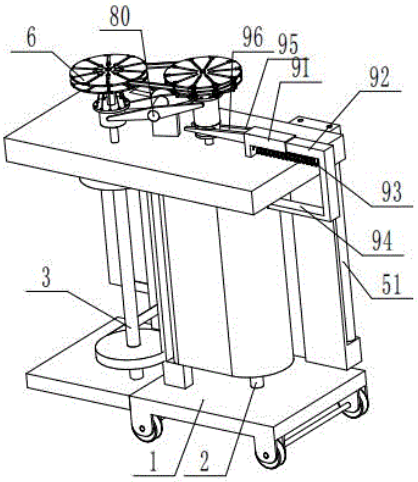
72: HU, Ling, YANG, Yang, GU, Yuan, DENG, Guangzhu, ZHOU, Yong

33: CN 31: 2022110201482 32: 2022-08-24

54: LANDFILL CONSTRUCTION DEVICE FOR INDUSTRIAL SOLID WASTE DISPOSAL

00: -

The present disclosure provides a landfill construction device for industrial solid waste disposal, belonging to the technical fields of industrial solid waste disposal. The device includes a mobile platform, a first idler wheel is arranged below the mobile platform, a first rotating shaft is arranged on the mobile platform, an isolation curtain drum is mounted on the first rotating shaft, a second rotating shaft is arranged on the mobile platform, a collision baffle is arranged on the second rotating shaft, a first roller is arranged at a side of the first rotating shaft, an idler wheel mounting block is mounted on the first rotating shaft, a second roller, a third roller, a fourth roller and a fifth roller are successively mounted on the idler wheel mounting block in respective.



21: 2023/05108. 22: 2023/05/09. 43: 2023/11/13

51: G06T

71: SECOND INSTITUTE OF OCEANOGRAPHY, MNR

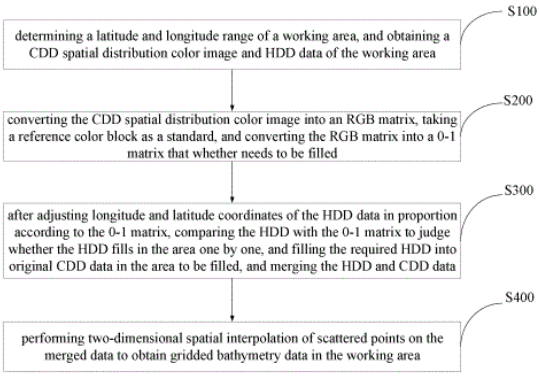
72: ZHOU, Feng, HAN, Huiyu, MENG, Qicheng, HUANG, Ting, TIAN, Di, PENG, Yingyu, BAO, Min, NI, Xiaobo, ZENG, Dingyong, LI, Jia

54: FUSION METHOD, DEVICE AND ELECTRONIC EQUIPMENT OF MULTI-SOURCE BATHYMETRY DATA

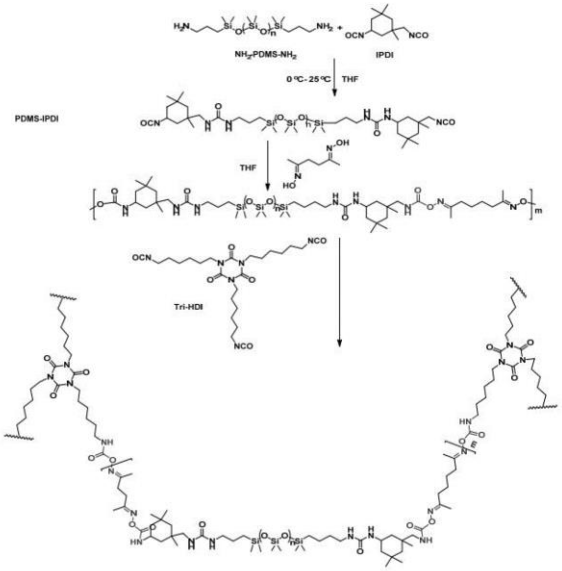
00: -

The present disclosure relates to a fusion method, device and electronic equipment of multi-source bathymetry data, which is suitable for filling unsurveyed blank areas by using historical data when processing a large amount of fragmented sea chart survey data. The present disclosure mainly uses image recognition technology to convert the CDD spatial distribution map into RGB matrix, and then translate the RGB matrix into 0-1 matrix that whether needs to be filled, so as to directly compare the HDD with 0-1 matrix to determine whether to fill, which greatly reduces the calculation amount of

irregular chart bathymetry data fusion. The present disclosure also uses CDD to draw images with spatial exclusion to meet the fusion of high-precision requirements, so that the data points are evenly distributed in the process of multi-source bathymetry data fusion, which is conducive to the subsequent spatial interpolation process of scattered points.

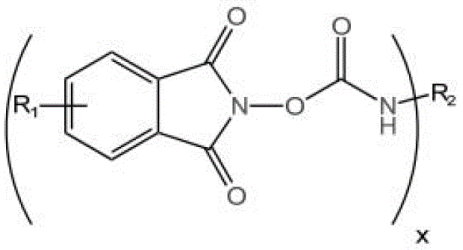


21: 2023/05110. 22: 2023/05/09. 43: 2023/11/13
51: C08G
71: Guizhou Minzu University
72: Fang TAN, Daohai ZHANG, Zhusheng YANG
54: A METHOD FOR PREPARING A RECYCLABLE DYNAMIC COVALENT POLYDIMETHYLSILOXANE MEMBRANE
00: -
The invention discloses a recoverable dynamic covalent polydimethylsiloxane membrane preparation The method includes the following steps: the diamino-terminated polydimethylsiloxane oligomers. And excess diisocyanate dissolved in solvent for prepolymerization, polymerization to form isocyanate Terminal prepolymer; 2, 5-hexadiketoxime was used to expand the chain of the obtained prepolymer to form hydroxyl oxime Linear polymer at base seal end; The hexamethylene diisocyanate trimer was used as a crosslinking agent The linear polymer is crosslinked and dried to form a dynamic covalent polydimethylsiloxane Membrane. The mechanical properties of the dynamic covalent poly (dimethylsiloxane) film were obtained by cutting and hot pressing The mechanical properties of the film obtained after hot pressing and the mechanical properties of the original film were measured .It indicates that the dynamic covalent polydimethylsiloxane film prepared by the invention can be recycled Reuse, and moderate recovery conditions, do not need strong acid or alkali catalysis, simple operation, suitable for pushing Wide.

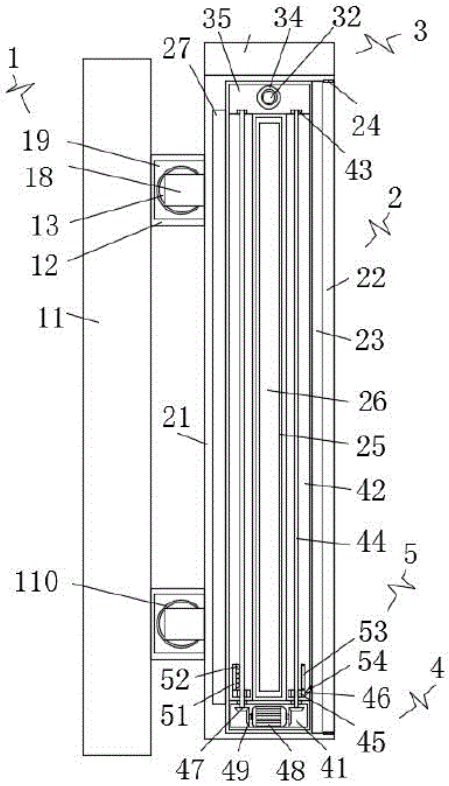


21: 2023/05111. 22: 2023/05/09. 43: 2023/11/13
51: C07C
71: Guizhou Minzu University
72: Fang TAN, Daohai ZHANG, Zhusheng YANG
54: A PREPARATION METHOD OF CLOSED ISOCYANATE WHICH CAN BE EFFICIENTLY UNSEALED AT LOW TEMPERATURE
00: -
The invention discloses a preparation method for sealing isocyanate ester which can be efficiently unsealed at low temperature Method, the preparation step is: N- hydroxyphthalimide compound and isocyanate in. The closed isocyanate was obtained at room temperature without catalyst. Closure prepared by the invention Type I isocyanate has dynamic thermal reversibility and is relatively stable at room temperature when placed at greater than or equal 80 degrees Celsius. Under the conditions, it can be dissociated spontaneously into isocyanates and N-hydroxyphthalimide (class of compounds), about 50 % closed isocyanogen when the dynamic equilibrium is reached at 120 degrees Celsius. The ester dissociates isocyanate and N-hydroxyphthalimide (class of compounds). That isThe sealed isocyanate prepared by the invention only needs low temperature to achieve efficient unsealing.The unblocking rate is much higher than that of existing oxime sealers, and it also has good photo stability Sex. And the preparation method of

mild conditions, without harsh conditions, simple process, has broad application Use the foreground.

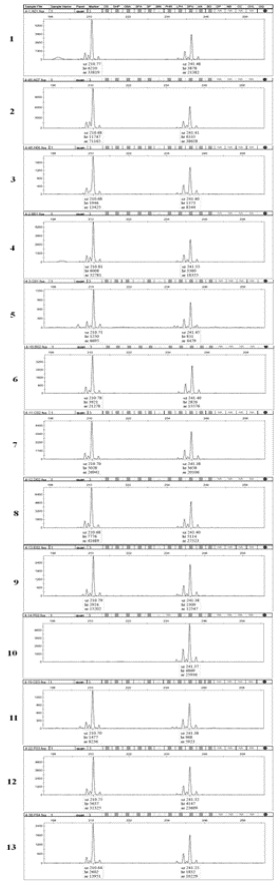


21: 2023/05112. 22: 2023/05/09. 43: 2023/11/13
51: A61B
71: The First Affiliated Hospital of Xi'an Jiao Tong University
72: Guiping XU
33: CN 31: 2023103934657 32: 2023-04-13
54: IMAGE AIDED DIAGNOSIS DEVICE
00: -
The present invention relates to the field of medical imageology, particularly to an image aided diagnosis device. The image aided diagnosis device includes a support mechanism, wherein an image mapping mechanism is fixedly mounted on the support mechanism, the image mapping mechanism is internally provided with a moving mechanism, the moving mechanism is internally provided with a lifting mechanism, and the lifting mechanism is fixedly connected with an auxiliary mechanism. The support mechanism includes a support plate, the side wall of one side of the support plate is connected with two first support blocks in a rotation manner through a rotation shaft, and the side walls of one sides of the two first support blocks are both fixedly connected with a support rod. When in use, a mobile phone is connected with the control system of equipment, then the operation of the device inside is controlled through the control system, then this part is subjected to enhanced illumination and magnification, then images are transferred to the mobile phone, and the device moves in front of a doctor for targeted use.



21: 2023/05113. 22: 2023/05/09. 43: 2023/11/13
51: A01H; C12Q
71: WUHAN ACADEMY OF AGRICULTURAL SCIENCES
72: CHENG, Weishun, HONG, Juan, LUO, Qian, ZHANG, Na, ZENG, Hongxia, TANG, Mi, WANG, Suping, DU, Lei, HUANG, Xiang
33: CN 31: 202310500979.8 32: 2023-04-27
54: METHOD FOR RAPIDLY IDENTIFYING PURITY OF WATERMELON HYBRID SEEDS
00: -
Disclosed is a method for rapidly identifying the purity of watermelon hybrid seeds. The method uses SSR primers WNF/WNR for PCR amplification and capillary electrophoresis separation of genomic DNA of new watermelon hybrid varieties and parents, finds out the specific peaks of the differences of a first filial generation and parents, and tests the samples by calculating the purity of the tested seeds. The tested purity is highly consistent with the purity identified by field planting. The detection method of the present invention can complete the identification work of seed purity within 5-6 days, has the characteristics of accuracy, stability, simpleness, rapidness, low cost and convenient popularization, and can replace the traditional identification method

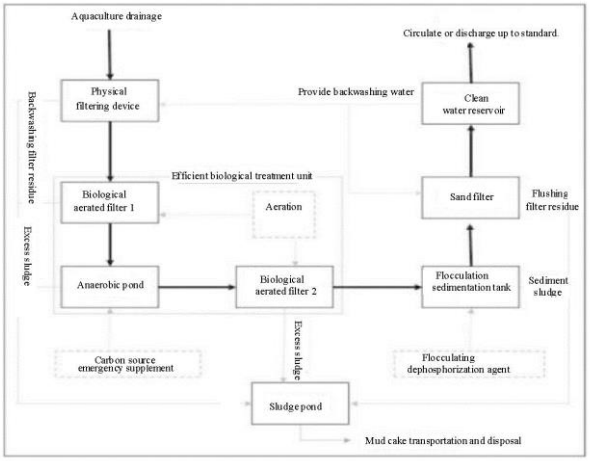
for hybrid seeds of the new watermelon varieties. Moreover, the purity identification method of the present invention can be popularized and applied in seed production, seed reproduction and distribution enterprises of the hybrid seeds.



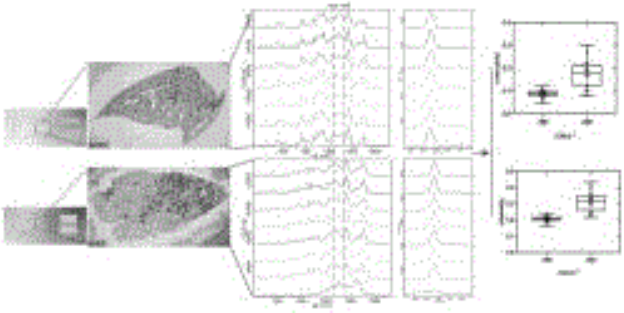
21: 2023/05114. 22: 2023/05/09. 43: 2023/11/13
51: A23K
71: ANIMAL HUSBANDRY RESEARCH INSTITUTE OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES
72: ZHENG, Dianzhong, LIU, Yufeng, LI, Manyu, ZHANG, Yuanliang
54: TRIPLE VIABLE BACTERIAL MICROCAPSULE AND PREPARATION METHOD THEREFOR
00: -
The present invention discloses a triple viable bacterial microcapsule, comprising Lactobacillus reuteri, Lactobacillus johnsonii, Enterococcus faecalis and a composite protective agent. Further disclosed is a preparation method for the microcapsule, specifically comprising the following steps: weighing various raw materials; performing amplification culture on Lactobacillus reuteri, Lactobacillus johnsonii and Enterococcus faecalis through a fermentation tank, and collecting bacterial sludge for later use; mixing the composite protective agent with the bacterial sludge, and uniformly stirring to obtain a mixture; spray-drying the mixture, collecting bacterial powder, uniformly mixing, charging the mixture into a plastic bag for vacuum plastic packaging, and preserving the mixture to obtain the microcapsule. By mixing microcapsule into a feed, an adverse external environment can be resisted, which can ensure that the microcapsule reaches gastrointestinal tracts of ruminants to play a role of resisting bacteria and regulating intestinal flora disorders, thereby preventing diarrhea and facilitating healthy growth of the ruminants.

21: 2023/05115. 22: 2023/05/09. 43: 2023/11/09
51: C02F
71: TIANJIN RESEARCH INSTITUTE FOR WATER TRANSPORT ENGINEERING,M.O.T.
72: CHANG Fang, LI Zhendong, ZHANG Lu, LI Huiting, ZHAO Yingjie, SHANG Hao, YI Malan, WANG Tingfeng, WANG Jiangnan
33: CN 31: 2021112159396 32: 2021-10-19
54: HIGH-EFFICIENCY DENITRIFICATION AND DEPHOSPHORIZATION PROCESS SYSTEM FOR SEAWATER AQUACULTURE TAIL WATER TREATMENT
00: -
The invention discloses an efficient denitrification and dephosphorization process system for seawater aquaculture tail water treatment, which comprises a physical filtering device, an efficient biological treatment unit, a flocculation sedimentation tank, a sand filter tank, a clear water tank and a sludge tank. The physical filtering device, the high-efficiency biological treatment unit, the flocculation sedimentation tank, the sand filter tank and the clear water tank are sequentially connected; the physical filtering device, the high-efficiency biological treatment unit, the flocculation sedimentation tank and the sand filter tank are all connected with the sludge tank through pipelines; the physical filtering device and the sand filter are all connected with the clean water pool through pipelines. The pool of high-efficiency biological treatment unit is filled with modified high hydrophilic wear-resistant filler, and the whole system is equipped with carbon source, flocculating agent and directional phosphorus-

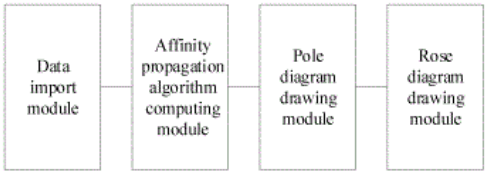
locking agent dosing device. The invention has the characteristics of high nitrogen and phosphorus removal efficiency, small occupied area, low operating cost, no secondary pollution, convenient management and the like.



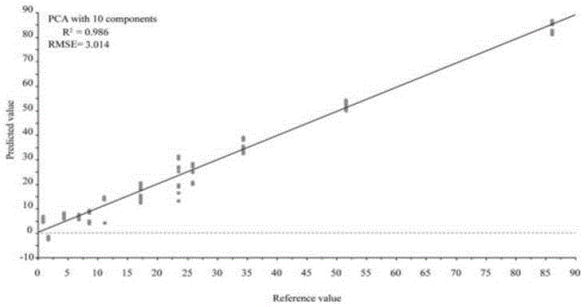
21: 2023/05116. 22: 2023/05/09. 43: 2023/11/09
51: G01N
71: Anhui Shendong Biotechnology Development Co., Ltd.
72: LI Bing, MU Min, TAO Xinrong, WANG Wenyang
33: CN 31: 2021112079777 32: 2021-10-18
54: ESTABLISHMENT OF UNLABELED QUANTITATIVE METHOD FOR DETECTING COLLAGEN IN LUNG TISSUE
00: -
The invention relates to an establishment of an unlabeled quantitative method for detecting collagen in lung tissue, which comprises the following steps: S1, putting the lung tissues of mice with silicosis model and normal mice into 30 percent sucrose for sugar precipitation treatment, embedding with a frozen slicer, and then performing routine frozen slicing operation treatment; S2, detecting lung tissue cells in the frozen section by using a WITec-Alpha300 Raman microspectrometer, repeatedly collecting 150-200 Raman spectrograms in different positions of each group of samples, and uniformly performing baseline calibration, cosmic ray removal and area normalization on all spectrograms; S3, determining the collagen characteristic peaks of 1248 cm-1 and 1488 cm-1, and then statistically analyzing the peak intensity values to obtain the collagen content of lung tissue slices in the control group and silicosis group. The establishment of the unlabeled quantitative method for detecting collagen in lung tissue can accurately and quickly determine the collagen content of lung tissue, and has no harm to tissue slices, and the slices can be subjected to subsequent experiments. Raman spectroscopy imaging system can quickly scan a large area to obtain accurate information of different components of tissue. Compared with the traditional chemical staining method, it can remove the interference of specific fluorescence produced by particles in lung tissue. The information obtained by spectrum has the advantages of high luminous efficiency, high sensitivity and good repeatability.



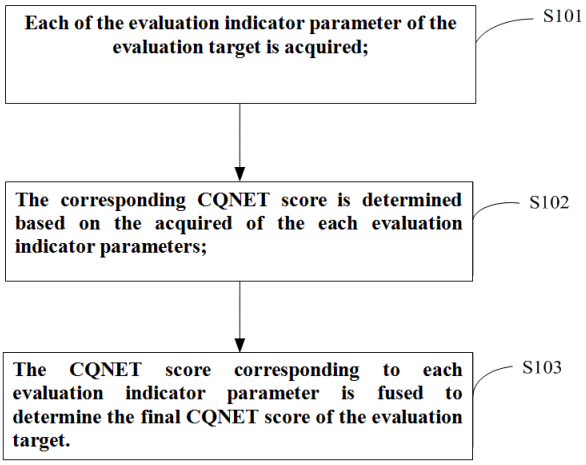
21: 2023/05146. 22: 2023/05/10. 43: 2023/11/13
51: G06K; G06T
71: HU, Gaojian
72: HU, Gaojian, FENG, Haoran, HU, Jianli, ZHANG, Guangbin, LIANG, Wenxu, WANG, Jie
54: INTELLIGENT DRAWING SYSTEM FOR POLE DIAGRAM AND OCCURRENCE ROSE DIAGRAM ON ROCK MASS STRUCTURAL PLANE
00: -
Provided is an intelligent drawing system for a pole diagram and an occurrence rose diagram on a rock mass structural plane, relating to the processing field of rock mass structural planes. The system includes a data import module, an affinity propagation algorithm computing module, a pole diagram drawing module and a rose diagram drawing module. In the present disclosure, the occurrence and distribution characteristics of the structural plan in a region are obtained intelligently by analyzing and describing the occurrence of the structural plane, thereby implementing the intelligent import, intelligent occurrence grouping, intelligent drawing for the pole diagram and the rose diagram of rock mass structural plane parameters.



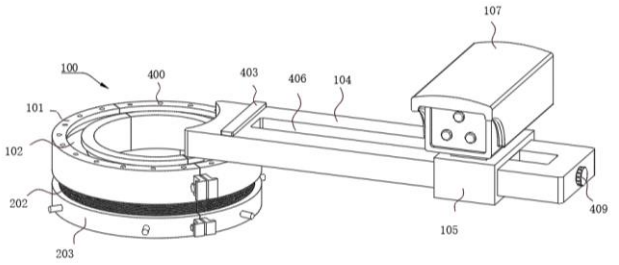
21: 2023/05147. 22: 2023/05/10. 43: 2023/11/13
51: G01N
71: JINLING INSTITUTE OF TECHNOLOGY
72: FAN Junjun, ZHOU Chenchen, PU Jing, CAI Junhuo, PENG Qin, ZHANG Wangxiang, ZAI Xueming
54: METHOD FOR DETERMINING LINALOOL CONTENT OF FLOWER FRAGRANCE COMPONENTS BASED ON ELECTRIC NOSE TECHNOLOGY
00: -
Disclosed is a method for determining linalool content of flower fragrance components based on electric nose technology, and belongs to the technical field of analysis and detection. The invention includes: preparing gradient concentration standard injection solutions of linalool, and adding them into headspace bottles according to a same volume; using electric nose automatic headspace sampling to detect linalool in headspace bottles, and constructing a concentration standard curve for linalool standards to obtain a PCA regression equation; stirring the flowers with water under sealed conditions to obtain a mixed solution, then pouring the mixed solution into the headspace bottles, and automatically sampling by an electric nose to detect flower fragrance to obtain an electric nose response value of the flower fragrance; and substituting the electric nose response value of the flower fragrance into PCA regression equation to calculate a predicted value of linalool content in the flower fragrance. The method of the present invention has good accuracy in predicting the linalool content in the fragrance of fragrant flowers. Experiments have shown that it may effectively measure several osmanthus with different linalool content in the fragrance, and may be used to screen flower varieties with high yield of linalool. The method is simple, efficient, and has good application value.



21: 2023/05149. 22: 2023/05/10. 43: 2023/11/13
51: G06Q
71: Chongqing University Cancer Hospital
72: Chen Mengting, Yu Huiqing, Zhang Junhui, Hui suocheng, Yang Hong, Fan Hanqiu
33: CN 31: 2022107452911 32: 2022-06-29
54: AN EVALUATION METHOD, DEVICE, STORAGE MEDIUM, AND ELECTRONIC DEVICE
00: -
The example of the present invention discloses the evaluation method, the device, the storage medium and the electronic device based on the CQNET model, wherein the methods comprise: each of the evaluation indicator parameter of the evaluation target is acquired; the corresponding CQNET score is determined based on the acquired of the each evaluation indicator parameters; the CQNET score corresponding to each evaluation indicator parameter is fused to determine the final CQNET score of the evaluation target. The present invention achieves the evaluation target based on the CQNET model, it can provide auxiliary decision-making basis for early interdisciplinary palliative therapy of patients.



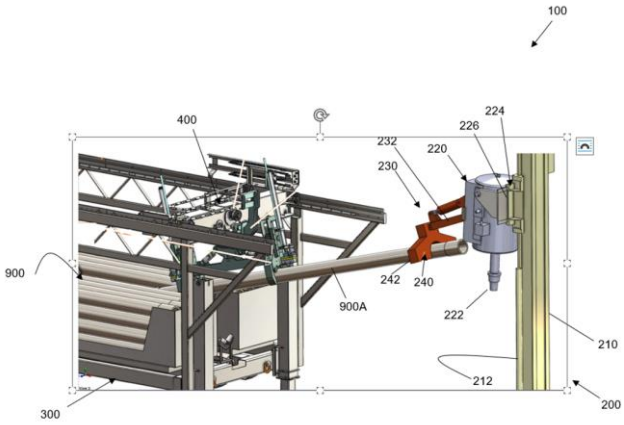
21: 2023/05150. 22: 2023/05/10. 43: 2023/11/13
51: G06T
71: Xinyu University
72: Xu Zhaosheng, Xu Xiuhong, Liao Zhongming, Xiang Zhongqi, Chen Yuxian
33: CN 31: 2023100327953 32: 2023-01-10
54: CAMERA ADJUSTMENT FIELD
00: -
The invention provides a camera adjustment device and the key points of its technical solution are: including a main body, which is composed of two ring bodies with a chute at the top of it. A sliding block is slidably connected to the chute, and a supporting plate is fixedly connected to the top of the sliding block. A frame is slidably mounted on the supporting plate, and a camera is installed at the top of the frame. The device includes a clamping structure that allows the operator to move the position of the clamp plates so that multiple clamp plates can be positioned near the pole and in contact with the pole. It makes use of the extrusion force and friction force between the clamp plates and the pole, which can achieve the effect of the main body can be fixed at a certain height on the pole. When adjusting the height of the camera, the main body can be slid up or down, causing the supporting plate and camera to move accordingly, thus achieving the effect of fixing the camera at a certain height on the pole without damaging the pole and making it easy to adjust the camera height.



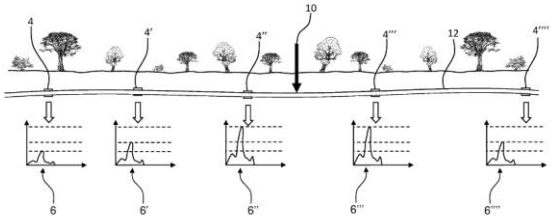
21: 2023/05152. 22: 2023/05/10. 43: 2023/11/13
51: A61K
71: Tongcai Liu
72: Tongcai Liu
54: A TRADITIONAL CHINESE MEDICINE FOR DILATING CARDIAC AND CEREBRAL VESSELS
00: -
A traditional Chinese medicine for dilating cardiac and cerebral vessels, which is composed of Radix et Rhizoma Notoginseng, Rhizoma Chuanxiong, Flos Carthami, Radix Rehmanniae Praeparata and Semen Vaccariae, throughout all prescriptions of the invention, it has reasonable compatibility, and has the function of strengthening body resistance to eliminate or suppress pathogenic factors, it can not only effectively dilate blood vessels and increase blood flow, but also fully remove impurities and dirt in blood vessels, regulate qi and blood, and improve cardiovascular and cerebrovascular circulation, which is in line with the theory of traditional Chinese medicine, it can have remarkable curative effect on cardiovascular and cerebrovascular diseases. Moreover, the invention has short treatment course, quick effect, no toxic and side effects, no drug dependence, simple process, suitable for popularization and application, and has good economic and social benefits.

21: 2023/05153. 22: 2023/05/10. 43: 2023/11/13
51: E21B
71: GAYLARD, Cameron
72: GAYLARD, Cameron
33: AU 31: 2022901249 32: 2022-05-11
54: A DRILL ROD HANDLING SYSTEM AND METHOD OF USE THEREOF
00: -
A system and method for handling drill rods is disclosed. In one form, the system includes a rod carrier for carrying a plurality of drill rods; a gantry crane operatively associated with the rod carrier for selectively moving a drill rod between a stowage

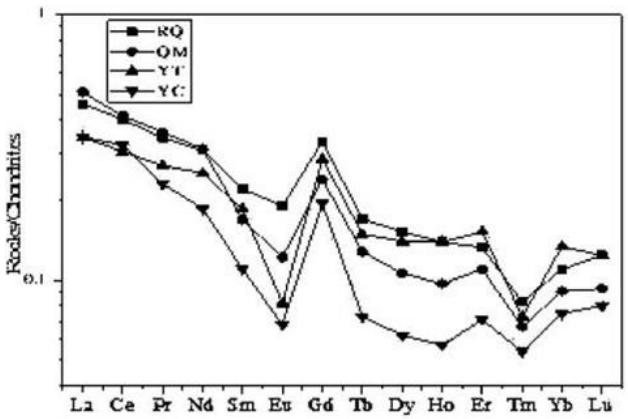
position in the rod carrier and a presented position; and a drilling rig having a mast and a rotational drive configured to receive a drill rod, said rotational drive configured to be moveable relative to the mast for mounting and unmounting the drill rod presented by the gantry crane.



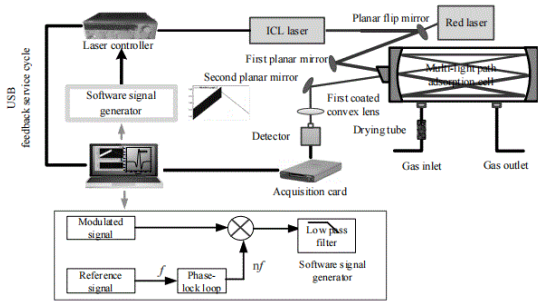
21: 2023/05154. 22: 2023/05/10. 43: 2023/11/13
51: G01R; H01B
71: REMONI A/S
72: ESKEROD MADSEN, Bo
33: DK 31: PA 2020 01322 32: 2020-11-24
54: SYSTEM AND METHOD FOR DETECTING INSULATION DEFECTS IN AN UNDERGROUND POWER CABLE
00: -
A system (2) for detecting insulation defects in an underground power cable (12) comprising one or more single conductors (16, 18, 20) surrounded by an electrically conducting shield (22). The system (2) comprises one or more external clamp-on sensors (4, 4', 4'', 4''') clamped onto the outside of or arranged in the proximity of the power cable (12). The clamp-on sensors (4, 4', 4'', 4''') are configured to provide two or more current measurements from the outside of the power cable (12) without being electrically connected to any of the one or more conductors (16, 18, 20) of the power cable (12). The system (2) comprises a signal processing unit (50). The sensors (4, 4', 4'', 4''') are configured to detect a partial discharge event (6, 6', 6'', 6''', 6''''). The signal processing unit (50) is adapted to use a mathematical statistical model (52) which processes measurements made by the sensors (4, 4', 4'', 4''') to identify if the current measurements are caused by a partial discharge event (6, 6', 6'', 6''', 6'''') caused by a leakage structure (46) in the power cable (12).



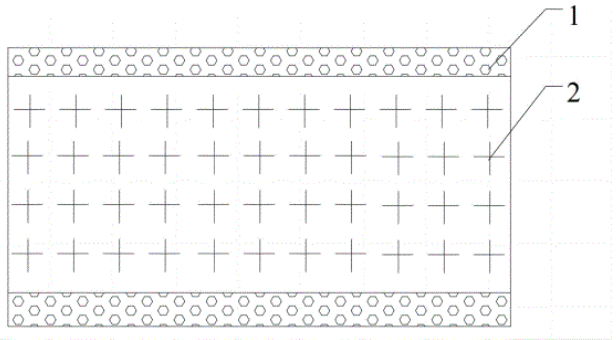
21: 2023/05188. 22: 2023/05/10. 43: 2023/11/13
51: G01N
71: ALASHANKOU CUSTOMS TECHNOLOGY CENTER, URUMQI CUSTOMS TECHNOLOGY CENTER
72: LV, Xinming, XU, Xinzhong, YANG, Li, WU, Zhiyuan, ZHOU, Anli
33: CN 31: 202310476021X 32: 2023-04-27
54: IDENTIFICATION METHOD OF HETIAN JADE BASED ON MULTI-ELEMENT CONTENT STATISTICS
00: -
Disclosed is an identification method of Hetian jade based on multi-element content statistics, which comprises the following steps: smashing and grinding a Hetian jade sample to obtain Hetian jade powder; dissolving the Hetian jade powder with hydrofluoric acid and nitric acid to obtain a dissolution solution; detecting elements in the dissolution solution by using an inductively coupled plasma mass spectrometry to obtain an element detection result; analyzing the element detection result to obtain an analysis result. The method not only can provide a scientific measurement method for determination of trace elements and rare earth elements in Hetian jade from different areas, but also can provide a certain data basis for authenticity identification and origin tracing of the Hetian jade. A prediction model of an origin of the jade can be established; the origin of the jade can be identified by using the prediction model of the origin of the jade.



21: 2023/05189. 22: 2023/05/11. 43: 2023/11/13
51: G01N
71: ANQING NORMAL UNIVERSITY
72: BAI, Jin, SUN, Chunyan, ZHANG, Qilei, WANG, Guishi, SUN, Jiancheng, LI, Jing, PAN, Xueping, LU, Sifan, XU, Ruoyu
33: CN 31: 2023100618821 32: 2023-01-20
54: DIGITALIZED NITROUS OXIDE GAS DETECTION SYSTEM
00: -
Disclosed is a digitalized nitrous oxide gas detection system, belonging to the technical field of gas detection. The system includes a signal generation module, an optical multi-pass cell module, a second laser and a signal receiving module. The signal generation module includes a signal controller and an Interband Cascade Laser (ICL). A software signal generator and a software digital locked phase are written by utilizing LabVIEW software to replace equipment such as a signal generator and a digital locked phase with high commercial cost. Therefore, the system features simple and compact structure, and the volume and the production cost of a device are reduced greatly. From signalizing to receiving and modulation, the system can be fully digitalized, so that the cost is lowered. The system processes a falling edge to obtain absolute concentration information and calibrates and verifies a linear concentration fitting relation established at a rising edge well.

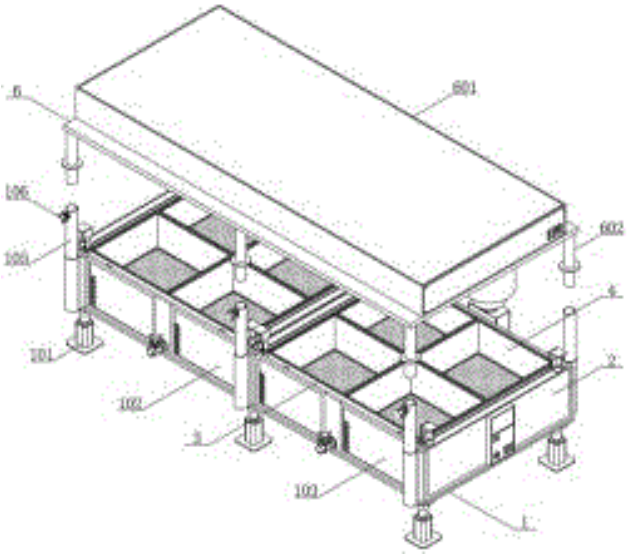


21: 2023/05190. 22: 2023/05/11. 43: 2023/11/13
51: A01G
71: Lingnan Normal University
72: Xianglan MING
54: WASTE COTTON AND STRAW FIBER MIXED MULCH FILM AND ITS PREPARATION METHOD
00: -
The invention discloses a waste cotton and straw fiber mixed mulch film and its preparation method, which belongs to the technical field of biomass materials for protective cultivation in paddy and dry fields, including a fiber mulch film, which is composed of waste cotton fiber and straw fiber. The dry matter weight of the waste cotton fiber is 5-20%, the dry matter weight of the straw fiber is 80-95%, and the sum of the dry matter weight of the waste cotton fiber and the straw fiber is 100%. The invention adopts the waste cotton and straw fiber mixed mulch film with the above structure and its preparation method to solve the problems of soil compaction, decline of agricultural product quality, and serious environmental pollution.



21: 2023/05191. 22: 2023/05/11. 43: 2023/11/13
51: A01G
71: Grassland Research Institute of Xinjiang Academy of Animal Science
72: ZHU Hao, ZHANG Huihui, NIU Jiangrong, MANLIKE Asiya, LIANG Weiwei, ZHANG Xuezhou, KEYUMU Maimaiti, REXITAN Ayiding, LI Xuesen

33: CN 31: 2022106604902 32: 2022-06-13
54: MULTIFUNCTIONAL COMPREHENSIVE CULTIVATION BOX FOR BREEDING HIGH-QUALITY FORAGE GRASS AND USING METHOD THEREOF
00: -
The present invention discloses a multifunctional comprehensive cultivation box for breeding high-quality forage grass, which comprises a bottom plate, the first incubator and the second incubator are installed on the top of the bottom plate; a plurality of groups of the first installing boxes are installed on the top of the bottom plate, supporting frames are installed inside the first incubator and the second incubator, and a placing frame is movably installed inside the supporting frame; the second installing boxes are installed on the outer wall of one side of the first incubator and the second incubator, and storage tanks are installed at the top of the second installing boxes. According to the present invention, the controller can control the operation of the electric telescopic rod, the operation of the electric telescopic rod drives the supporting frame to lift inside the first incubator and the second incubator, then the placing frame is taken out from the inside of the supporting frame and the guide rail component is connected with the guide rail, which is convenient for workers to take the placing frame out of the supporting frame. Therefore, it is convenient for workers to treat the first incubator and the second incubator.



21: 2023/05196. 22: 2023/05/11. 43: 2023/11/13
51: E06B
71: DOORS GALORE (PTY) LTD
72: DOS SANTOS, Ricky
33: ZA 31: 2022/09304 32: 2022-08-19
54: COUNTERWEIGHT
00: -
A counterweight for a rollup door, the counterweight comprising a body which is moulded from a reinforced cementitious material.

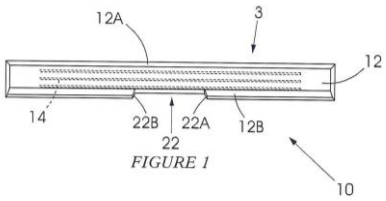
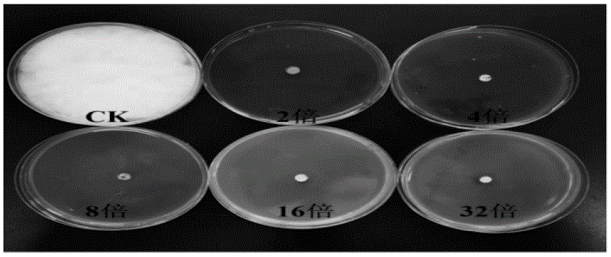
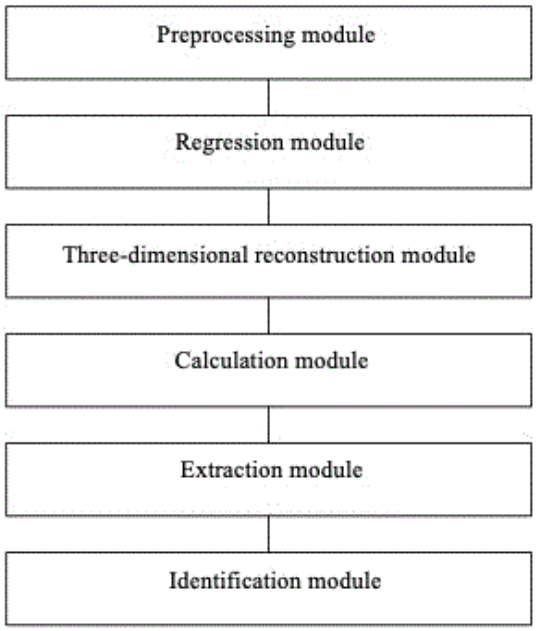


FIGURE 1

21: 2023/05197. 22: 2023/05/11. 43: 2023/11/13
51: A23L
71: SUIHUA LANYUAN BIOLOGICAL ENGINEERING CO., LTD.
72: WANG, Xinli
33: CN 31: 2022105473773 32: 2022-05-18
54: COMPOUND PRESERVATIVE COMPOSITION BASED ON L-AMINO ACID GLYCAN, PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
Provided are a compound preservative composition based on L-amino acid glycan, a preparation method therefor and use thereof, and the present invention belongs to the technical field of food preservative compositions. The technical problem to be solved in the present invention is to improve preservative performance. The composition of the present invention is prepared from the following components in parts by weight: 15-18 parts of e-polylysine, 9-12 parts of nisin, 7-12 parts of DL-isoleucine, 6-12 parts of L-tyrosine, 4-8 parts of L-histidine, 1-5 parts of L-arginine, 1-10 parts of L-lysine, 1-10 parts of L-proline, 3-12 parts of L-valine, 10-15 parts of glycine, 5-18 parts of L-cysteine, and 5-18 parts of DL-sodium ascorbate. The compounded nisin and e-polylysine in the present invention have a significant synergistic effect, prolong the shelf life of food on the basis of improving the bacteriostatic ability, and have a significant bactericidal and bacteriostatic ability and stable durability of light and heat.

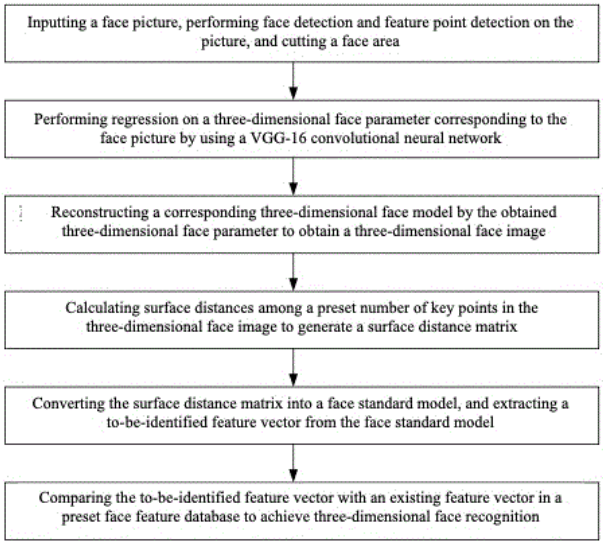


21: 2023/05198. 22: 2023/05/11. 43: 2023/11/13
51: G06T
71: KDCHANGE TECHNOLOGY CO., LTD.
72: QIAN, Jing, WEI, Yutao, DU, Zhuang
54: FACE RECOGNITION SYSTEM BASED ON THREE-DIMENSIONAL RECONSTRUCTION
00: -
The present invention discloses a face recognition system based on three-dimensional reconstruction, which is used in the technical field of recognition. Specifically, the face recognition comprises: inputting a face picture, performing face detection and feature point detection on the picture, and cutting a face area; obtaining a corresponding three-dimensional face parameter; reconstructing a corresponding three-dimensional face model by the obtained three-dimensional face parameter to obtain a three-dimensional face image; calculating surface distances among a preset number of key points in the three-dimensional face image to generate a surface distance matrix; converting the surface distance matrix into a face standard model, and extracting a to-be-identified feature vector from the face standard model; and comparing the to-be-identified feature vector with an existing feature vector in a preset face feature database. The present invention trains an end-to-end three-dimensional face reconstruction regression network, and improves the quality of three-dimensional face reconstruction, so that the calculation result is more accurate. Moreover, the present invention only needs to use a single face picture as network input to perform face recognition, so as to improve the precision of face recognition and obtain more identification feature information.

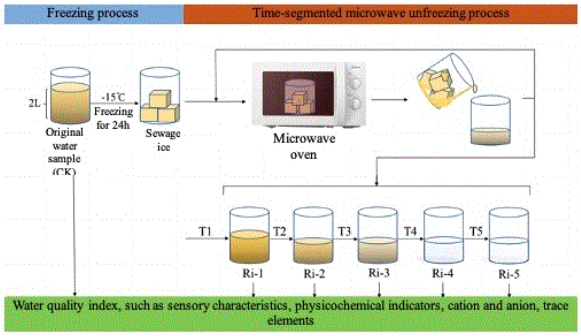


21: 2023/05199. 22: 2023/05/11. 43: 2023/11/13
51: G06T
71: KDCHANGE TECHNOLOGY CO., LTD.
72: QIAN, Jing, WEI, Yutao, DU, Zhuang
54: FACE RECOGNITION METHOD AND SYSTEM BASED ON SINGLE FACE PICTURE
00: -
The present invention discloses a face recognition method and system based on a single face picture, which are used in the technical field of recognition. Specifically, the method comprises: inputting a face picture, performing face detection and feature point detection on the picture, and cutting a face area; obtaining a corresponding three-dimensional face parameter; reconstructing a corresponding three-dimensional face model by the obtained three-dimensional face parameter to obtain a three-dimensional face image; calculating surface distances among a preset number of key points in the three-dimensional face image to generate a surface distance matrix; converting the surface distance matrix into a face standard model, and extracting a to-be-identified feature vector from the face standard model; and comparing the to-be-identified feature vector with an existing feature vector in a preset face feature database. The present invention trains an end-to-end three-dimensional face reconstruction regression network, and improves the quality of three-dimensional face reconstruction, so that the calculation result is more

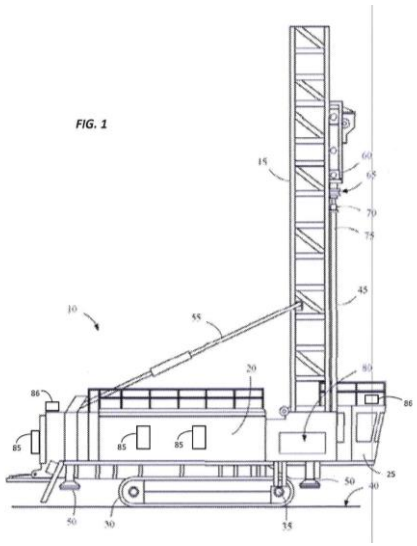
accurate. Moreover, the present invention only needs to use a single face picture as network input to perform face recognition, so as to improve the precision of face recognition and obtain more identification feature information.



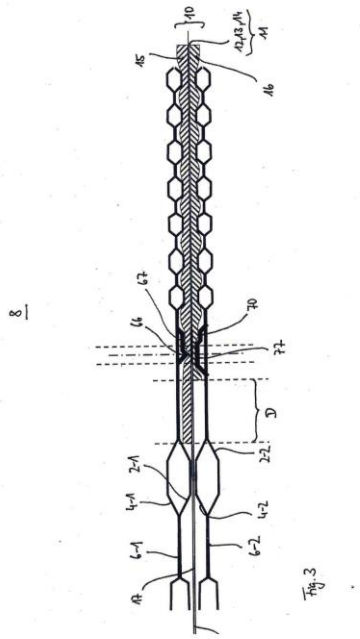
21: 2023/05202. 22: 2023/05/11. 43: 2023/11/16
51: C02F
71: NORTHWEST A&F UNIVERSITY
72: LI, Xianwen, WU, Lei, HU, Yaxian, CHEN, Junying, YAN, Baowen
54: A SEWAGE PURIFICATION METHOD BASED ON FREEZING-MICROWAVE
00: -
The present invention belongs to the technical field of water treatment, and discloses a sewage purification method based on freezing-microwave. The method of the present invention comprises the following steps: Removing insoluble substances in the sewage by standing and storing in a container to obtain pre-treated sewage; Freezing the pre-treated sewage into sewage ice; Unfreezing the sewage ice by microwave stage by stage, collecting the thawed liquid and separating water samples of different degrees of purification. The method provided by the present invention has the advantages of environmentally friendly, pollution-free, efficient, fast purification, easy to operate and promote without the use of chemical agents.



21: 2023/05208. 22: 2023/05/11. 43: 2023/11/13
51: G01S; G05B; G05D
71: JOY GLOBAL SURFACE MINING INC.
72: MALEGAM, Keshad, D., TAYLOR, Wesley, P.
33: US 31: 63/109,153 32: 2020-11-03
54: SELF MINING MACHINE SYSTEM WITH AUTOMATED CAMERA CONTROL FOR OBSTACLE TRACKING
00: -
A system for detecting an obstacle within a vicinity of a mining machine and providing automated camera control. The system includes at least one proximity sensor associated with the mining machine and a camera associated with the mining machine. The system also includes an electronic processor communicatively coupled to the at least one proximity sensor and the camera. The electronic processor is configured to receive data from the at least one proximity sensor. The electronic processor is also configured to determine a location of at least one obstacle based on the data. The electronic processor is also configured to determine at least one camera parameter based on the location of the at least one obstacle and control the camera using the at least one camera parameter.

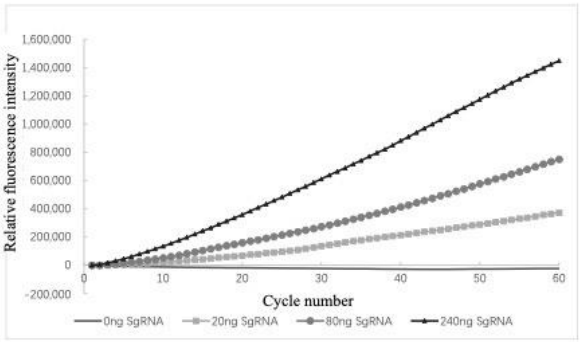


21: 2023/05209. 22: 2023/05/11. 43: 2023/11/13
51: H01M
71: POWERCELL SWEDEN AB
72: HOLMBERG, Mattias
33: SE 31: 2051498-0 32: 2020-12-18
54: FUEL CELL ASSEMBLY
00: -
Disclosed is a fuel cell assembly (8) comprising at least a first flow field plate (2) and a second flow field plate (4) sandwiching a multilayer membrane electrode as- sembly (10), wherein the multilayer membrane electrode assembly (10) comprises at least a 3-layer membrane electrode assembly (11) consisting of a first electrode (12) facing the first flow field plate (2), a second electrode (14) facing the second flow field plate (4) and a membrane (13) separating the electrodes (12; 14), wherein each flow field plate (2; 4) has a flow field structure (22; 42; 23; 43) pro- truding from a base level (24; 44) of the flow field plate (2; 4) for distributing reac- tant over the respective electrode (12; 14), and wherein further at least one sealing element (52; 53; 54; 55; 56; 57; 58; 59) is arranged between the first and the sec- ond flow field plate (12; 14), which is adapted to prevent leakage of the reactants to an environment, wherein in a boundary area (26; 46) between the flow field structure (22; 42; 23; 43) and the sealing element (58; 59) of at least one of the flow field plates (12; 14) at least one bypass stopping element (60; 70) is arranged for avoiding the reactant bypassing the flow field structure (22; 42; 23; 43), wherein the bypass stopping element (60; 70) protrudes from the respective base level (24; 44) of the flow field plate (12; 14), wherein the at least one bypass stop- ping element has a pointed portion (66), which is adapted to compress the multi- layer membrane electrode assembly (10), as well as a flow field plate for such a fuel cell assembly.



21: 2023/05265. 22: 2023/05/12. 43: 2023/11/02
51: C12Q
71: BEIJING SYNSORTECH CO., LTD., ZHEJIANG SYNSORBIO TECHNOLOGY CO., LTD., BEIJING SYNSORBIO TECHNOLOGY CO., LTD.
72: PAN, Weiye, CHEN, Chongjian, SUN, Yang, ZHANG, Zhuo, CHENG, Xuejia, PENG, Qiongfang
33: CN 31: 202011278709.X 32: 2020-11-16
54: METHOD FOR TESTING TARGET NUCLEIC ACID IN SAMPLE
00: -
Provided is a method for detecting a target nucleic acid in a sample, comprising the following steps: reacting the sample with a mixed reaction system consisting of a sgRNA-Cas system and a recombinase-aid isothermal amplification system; and detecting a detectable signal generated by the reaction after the reaction is completed. The sgRNA-Cas system comprises a Cas12b protein and a sgRNA targeting the target nucleic acid; the recombinase-aid isothermal amplification system comprises a primer, a single-stranded DNA reporter molecule that generates the detectable signal after being cleaved. When a reagent user operates, a

sample adding and mixing operation of stopping the reaction midway to add reaction component of the second step is leaved out, so that uniformity and coherence of the operation are better, facilitating the improvement of reaction precision. The operation of opening a reaction tube after the amplification reaction of recombinant polymerase is omitted. In addition, when these two reactions are mixed, the cis-cleavage activity of Cas protease will digest the amplification product, so that it will not be released into the environment to become a pollution source, which is especially important for high-throughput and high sensitivity detection; and the reaction sensitivity is improved.

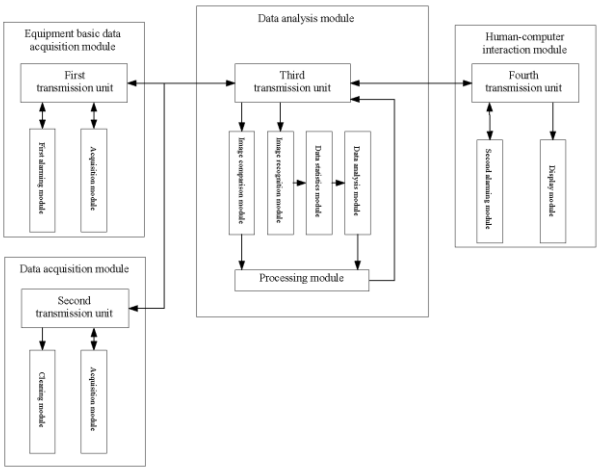


21: 2023/05282. 22: 2023/05/15. 43: 2023/11/16
51: G05B
71: CHENGDU VOCATIONAL AND TECHNICAL COLLEGE OF INDUSTRY
72: QIAO, Jianchun

54: INTELLIGENT MONITORING SYSTEM AND METHOD FOR INDUSTRIAL AUTOMATED PRODUCTION LINE

00: -

The present invention discloses an intelligent monitoring system and method for an industrial automated production line, and relates to the technical field of data monitoring; wherein the system comprises: a device basic data acquisition module configured to acquire device parameters and position data; a data acquisition module configured to acquire temperature data of the device; a data analysis module configured to compare and analyze the acquired temperature data and generate instruction information; a transmission module configured to transmit the data and instruction in real time; and a human-computer interaction module configured to display a result of the data analysis module and input a control command. According to the present invention, the health condition of the device is monitored in real time and predicted through temperature acquisition of a production line device, and the device can be monitored in real time under the non-contact condition, so that the monitoring convenience is improved; and a thermal imaging map in a normal state can be used as a reference, so that the acquisition of fault data can be reduced, and the accuracy of fault judgment is improved.



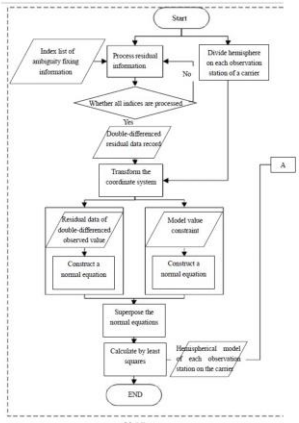
21: 2023/05468. 22: 2023/05/19. 43: 2023/10/30
51: G01S
71: NANJING BEIDOU INNOVATION AND APPLIED TECHNOLOGY RESEARCH INSTITUTE CO.,LTD.
72: Ling TANG, Zhiqiang DU, Xuan ZOU
33: CN 31: 202210375848.7 32: 2022-04-11

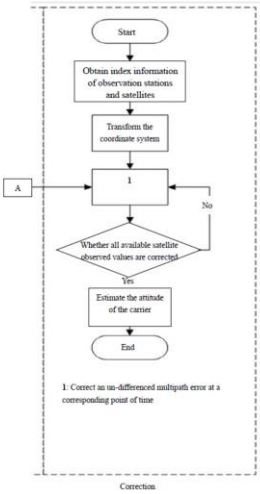
54: METHOD OF GNSS MULTIPATH ERROR MITIGATION FOR DYNAMIC CARRIER PLATFORM

00: -

The present invention discloses a method of GNSS multipath error mitigation for a dynamic carrier platform, including: collecting static modeling data of a plurality of systems at different attitudes in different durations and performing calculation on the static modeling data; processing residual information of a double-differenced observed value between carrier observation stations in an ambiguity fixing duration to obtain a double-differenced residual data record; transforming a coordinate system of each double-differenced residual data record; obtaining a final normal equation using parameterization representation of a hemispherical model

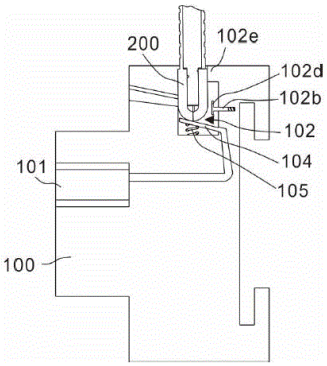
corresponding to each observation station on a carrier; and calculating a parameter to be estimated on each observation station, and mitigating an error caused by a multipath effect in a subsequent observed value using the hemispherical model. A unified spatial-domain hemispherical multipath error model for multiple GNSS systems is established with observation data at the same frequency from different satellite navigation systems in the present invention. Thus, the problem of establishing respective error correction models for different systems is avoided, and the generation of the model is simpler.





21: 2023/05781. 22: 2023/05/30. 43: 2023/10/26
51: H02G
71: Huaneng Tongliao Wind Power Co. Ltd
72: ZHANG, Guohui
33: CN 31: 2022106124089 32: 2022-05-31
54: CONNECTOR DEVICE APPLIED FOR NARROW SPACE
00: -

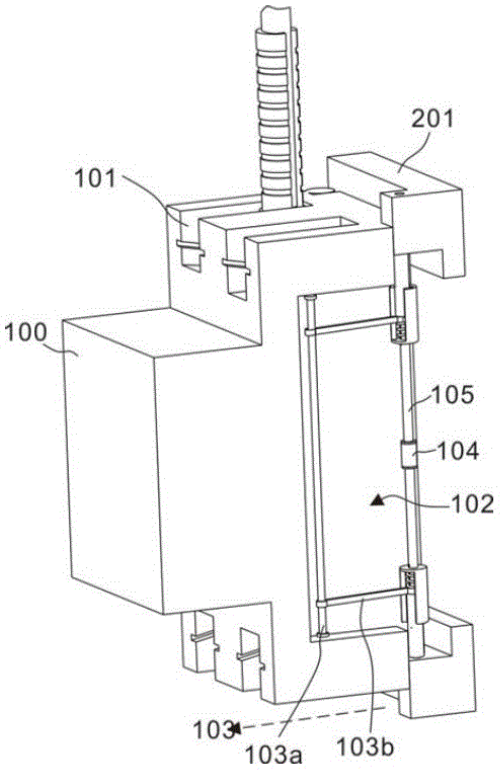
The present disclosure provides a connector device applied for a narrow space, including a junction box formed with a plug hole in a middle thereof and an end slot on an end part thereof, the plug hole being electrically connected to the end slot, and a connecting member including a binding sleeve, a first end head and a second end head, the first end head being fixed to an end part of the binding sleeve, the second end head being flexibly connected to the end part of the binding sleeve, the binding sleeve being formed with a notched groove on a side surface thereof, and the connecting member being inserted into the end slot. The present disclosure can achieve quick connection to a wire in a narrow space. With the present disclosure, the size of a control cabinet can be reduced.



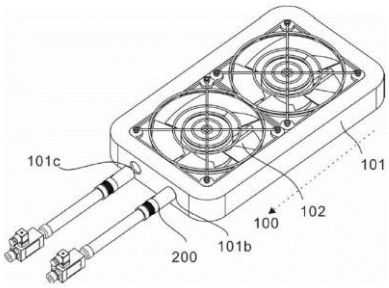
21: 2023/05782. 22: 2023/05/30. 43: 2023/10/26
51: H01H
71: Huaneng Tongliao Wind Power Co. Ltd
72: ZHANG, Guohui
33: CN 31: 2022106103970 32: 2022-05-31
54: RELAY FACILITATING FORWARD INSTALLATION
00: -

The disclosure discloses a relay facilitating forward installation, which comprises: a main component, wherein the end of the main component is provided with a wiring groove, the side surface of the main component is provided with a retraction groove,a control element is provided in the retraction groove; a locking component, wherein the locking component comprises a first claw and a second claw, the first claw and the second claw are symmetrically provided at both ends of the main component, and the first claw and the second claw have the same structure; and the control element is

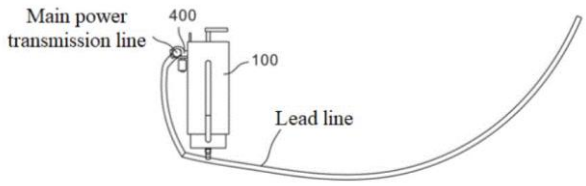
connected with the locking component. The relay can be installed on the suspension plate from the front surface, so that it is convenient to change the position, and the problem that the position is not suitable and it is difficult to adjust the position due to sequential installation from the side surface is avoided.



21: 2023/05783. 22: 2023/05/30. 43: 2023/10/26
51: H05K
71: Huaneng Tongliao Wind Power Co. Ltd
72: ZHANG, Hongxin, WANG, Guokui, DAI, Yaliang, GENG, Jinfu, GAO, Shihe, SONG, Yinlong
33: CN 31: 2022106145460 32: 2022-05-30
54: LIQUID COOLING RADIATOR
00: -
The present disclosure discloses a liquid cooling radiator, including: a heat dissipation assembly, including a frame and a heat dissipation fan located inside the frame; the frame being internally provided with an annular channel , the frame being externally provided with an inlet and an outlet that are connected to the annular channel, and the annular channel between the inlet and the outlet being provided with a partition (K); and a connection assembly, including a fixed base connected to the inlet and a connection base removably connected to the fixed base, the fixed base being provided with a first through hole running therethrough, the connection base being provided with a second through hole running therethrough, and one end of the connection base being connected to a first tube.

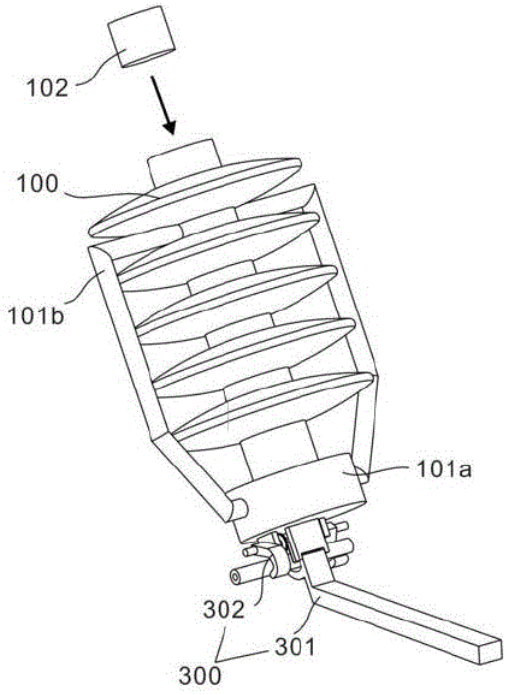


21: 2023/05784. 22: 2023/05/30. 43: 2023/10/26
51: H02G
71: Huaneng Tongliao Wind Power Co. Ltd
72: YIN, Xudong, WANG, Chong, WU, Mingqiang, FU, Qingdi, ZHANG, Xu, FAN, Ruibing, CHEN, Hongwu
33: CN 31: 2022105979770 32: 2022-05-30
54: SHOCK-PROOF FIXING DEVICE FOR LEAD WIRE OF T-SHAPED LINE
00: -
The present disclosure discloses a shock-proof fixing device for a lead wire of a T-shaped line, which comprises: an insulating installing part, wherein the insulating installing part comprises a shell and a pressure block, the shell is in a square structure, a cavity is provided in the shell, the pressure block is located in the cavity, and liquid is injected into the cavity; and a shock-proof hammer, wherein the shock-proof hammer comprises a hook, the concave surface of the hook faces downwards, a circular shaft extends on both sides of the hook, a plate is provided at the end of the circular shaft, a hammer body is installed on the plate, and the hook is elastically installed on one side of the shell.

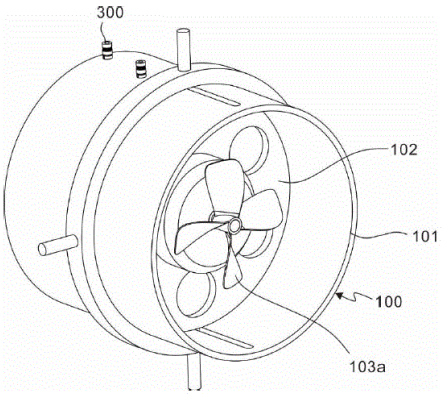


21: 2023/05785. 22: 2023/05/30. 43: 2023/10/26

51: H02G
71: Huaneng Tongliao Wind Power Co. Ltd
72: Yin, Xudong, Liu, Guanglei, Fan, Dameng, Li, Yiming, Huo, Dongxu, Pan, Zewei, Duan, Weimin
33: CN 31: 2022105978725 32: 2022-05-30
54: FIXED CLAMPING STRUCTURE FOR LEAD WIRE IN T-SHAPED POWER TRANSMISSION TOWER
00: -
The present disclosure discloses a fixed clamping structure for a lead wire in a T-shaped power transmission tower, which comprises: an insulator string, wherein one end of the insulator string is provided with a circular shell, the outer wall of the circular shell is symmetrically provided with communicating conduits, the conduits extend to the other end of the insulator string and are communicated with the outer wall of the other end of the insulator string, a first movable plug body and a second movable plug body are provided in the circular shell, the first movable plug body and the second movable plug body are coaxially corresponding to each other, and the first movable plug body and the second movable plug body correspond to communicating ports between two conduits and the circular shell, respectively.

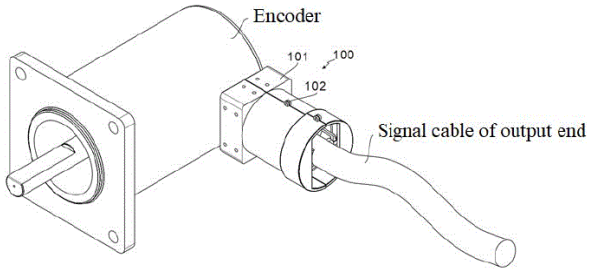


21: 2023/05786. 22: 2023/05/30. 43: 2023/10/26
51: F04D
71: Huaneng Tongliao Wind Power Co. Ltd
72: Liu, Yingang, Liu, Guanglei, Wang, Chong, Fan, Dameng, Han, Fu, Tang, Xiaolei, Yin, Xudong
33: CN 31: 2022105981624 32: 2022-05-30
54: DUST-PROOF AXIAL FLOW FAN GUIDING AND COOLING DEVICE
00: -
The present disclosure provides a dust-proof axial flow fan guiding and cooling device, including: a ventilation unit, including a ventilation cylinder and a support plate located inside the ventilation cylinder, an axial flow fan being provided in the center of the support plate, a vane being connected to a rotating shaft of the axial flow fan, and a ventilation hole being provided in the support plate; and a water cooling unit, including a spiral tube located outside the axial flow fan; when the axial flow fan is overhauled, an adjustment rod is operated to move the axial flow fan out, after the overhaul is completed, the axial flow fan is moved into the spiral tube and limited by an adjustment annulus, when the axial flow fan is working, dusty air outside will be sucked into a axial flow fan cover

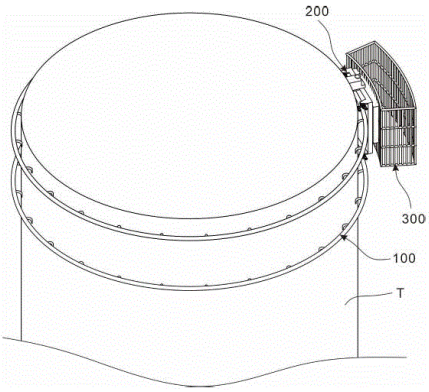


21: 2023/05787. 22: 2023/05/30. 43: 2023/10/26
51: H01R
71: Huaneng Tongliao Wind Power Co. Ltd
72: Xue, Xiangtian, Gao, Shihe, Geng, Jinfu, Zhang, Hongxin, Liu, Yan, Yang, Chuanlong
33: CN 31: 2022106018249 32: 2022-05-30
54: ANTI-LOOSENESS FIXTURE BLOCK FOR CONNECTION BETWEEN WIND TURBINE ENCODER HOUSING AND COMMUNICATION CABLE
00: -
The present disclosure discloses an anti-looseness fixture block for connection between a wind turbine encoder housing and a communication cable,

including: a housing assembly, including an outer shell, mounting members arranged outside the outer shell, and a matching member arranged on an inner wall of the outer shell; and an anti-looseness assembly, including a rotating member arranged inside the outer shell, a limiting member arranged in the rotating member, and a clamping member arranged on one side of the rotating member. Due to the arrangement of the housing assembly and the anti-looseness assembly, the device can ensure that connection between an encoder and a signal output end is still stable under a vibration. Furthermore, the larger the vibration amplitude, the tighter the connection. Meanwhile, the device adopts a modularized design, which is convenient to mount and remove.



21: 2023/06285. 22: 2023/06/15. 43: 2023/10/26
51: E04G
71: Huaneng Tongliao Wind Power Co. Ltd
72: Geng, Jinfu, Dai, Yaliang, Zhang, Hongxin, Han, Xiao
33: CN 31: 2022106828941 32: 2022-06-16
54: ANTI-FALLING FENCE HUNG EXTERNALLY ON SIDE WALL OF WIND VANE TOWER BARREL
00: -
The present disclosure discloses an anti-falling fence hung externally on a side wall of a wind vane tower barrel, including a rack unit and a fence unit. A guide rail assembly is arranged on an outer side wall of a top of a wind vane tower barrel; the anti-falling fence further includes a rack unit, hung on the guide rail assembly and including an outer hanging plate, guide wheel assemblies arranged on one side wall of the outer hanging plate, a buckle plate assembly arranged on the other side wall, and a drive assembly arranged on the outer hanging plate; and the fence unit is matched with and buckled to the buckle plate assembly and includes a frame and a fastening plate arranged on a side wall of the frame.



21: 2023/06640. 22: 2023/06/28. 43: 2023/08/30
51: A61K; C07K
71: Immunocore Limited
72: ADDIS, Philip William, BEDKE, Nicole Joy, BOUARD, Lucie, HARPER, Stephen, LIDDY, Nathaniel, MAHON, Tara, O'DWYER, Ronan Pádraic
33: GB 31: 1709866.6 32: 2017-06-20
54: T CELL RECEPTORS
00: -
The present invention relates to T cell receptors (TCRs) that bind the HLA-A*02 restricted peptide SLLQHLIGL (SEQ ID NO: 1) derived from the germline cancer antigen PRAME. Said TCRs may comprise non-natural mutations within the alpha and/or beta variable domains relative to a native PRAME TCR. The TCRs of the invention are particularly suitable for use as novel immunotherapeutic reagents for the treatment of malignant disease.

SEQ ID NO: 2 Amino acid sequence of the scaffold alpha chain extracellular region. CDRs are underlined. The extracellular constant region is shown in italics

```
        10         20         30         40         50         60
DAKTTQPNSM ESNEEEPVHL PCNHSTISGT DYIHWYRQLP SQGPEYVIHG LTSNVNNRMA
        70         80         90         100        110        120
SLAIAEDRKS STLILHRATL RDAAVYYCIL ILGHSGAGSY QLTFGKGTKL SVIPNIQNPD
        130        140        150        160        170        180
PAVYQLRDSK SSDKSVCLFT DFDSQTNVSQ SKDSDVYITD KTVLDMRSMD FKSNSAVAWS
        190        200
NKSDFACANA FNNSIIPEDT
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SEQ ID NO: 3 Amino acid sequence of the scaffold beta chain extracellular region. CDRs are underlined. The extracellular constant region is shown in italics

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        10         20         30         40         50         60
DGGITQSPKY LFRKEGQNVT LSCEQNLNHD AMYWYRQDPG QGLRLIYYSQ IVNDFQKGDI
        70         80         90         100        110        120
AEGYSVSREK KESFPLTVTS AQKNPTAFYL CASSPWTSGS REQYFGPGTR LTVTEDLKNV
        130        140        150        160        170        180
FPPEVAVFEP SEAEISHTQK ATLVCLATGF YPDHVELSWW VNGKEVHSGV STDPQPLKEQ
        190        200        210        220        230        240
PALNDSRYCL SSRLRVSATF WQNPRNHFRC QVQFYGLSEN DEWTQDRAKP VTQIVSAEAW

GRAD
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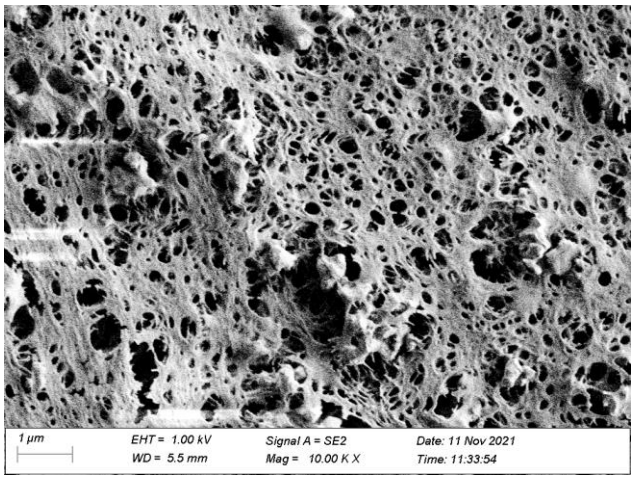
21: 2023/07197. 22: 2023/07/18. 43: 2023/10/05
51: H01M
71: SINOMA LITHIUM BATTERY SEPARATOR CO., LTD.
72: BAI, Yaozong, MA, Pingchuan, LIU, Gaojun, GAO, Feifei, DU, Jingran, ZHANG, Xujie, ZHOU, Yang, ZHAI, Mengmeng, HAN, Chao, WEI, Ming, ZHANG, Sen, SUN, Yuan
33: CN 31: 202111635856.2 32: 2021-12-30
54: LITHIUM BATTERY SEPARATOR INCLUDING POROUS PVDF-BASED RESIN COATING AND PREPARATION METHOD THEREFOR
00: -
Disclosed is a lithium battery separator including a porous PVDF-based resin coating, wherein the porous PVDF-based resin coating is located on at least one surface of a base film, and the porous PVDF-based resin coating on a single side has a thickness of 0.5-3.5μm, and has a ratio of a bonding strength (N/m) to coating gas permeability increment (s/100cc) of greater than or equal to 0.25, and a ratio of a bonding strength (N/m) to a surface density per unit coating (g/m2/μm) of greater than or equal to 10, resulting in a porous PVDF-based resin coating with excellent thickness, coating gas permeability increment, bonding strength and thermal shrinkage; and the formed lithium battery separator is also excellent in cycling performance and heat resistance.



21: 2023/07250. 22: 2023/07/20. 43: 2023/10/26
51: F16B; F16N
71: Huaneng Fuxin Wind Power Generation Co., Ltd
72: Cheng, Shilin, Dong, Chenxi, Li, Xiaodong, Yang, Jiaxing
33: CN 31: 2023106257348.0 32: 2023-05-30
54: APPARATUS FOR LOCKING AND FIXING WIND TURBINE GENERATION ROTARY SHAFT CONTINUOUS LUBRICATING DEVICE
00: -
The present invention discloses an apparatus for locking and fixing a wind turbine generation rotary shaft continuous lubricating device, and relates to the technical field of installation. The apparatus includes a clamping assembly, where the clamping assembly includes an oil tank, a supporting shell, a pressing member, a meshing member, a revolving member, a rotating member and a clamping member; the supporting shell is movably disposed at a bottom of the oil tank, the pressing member is disposed inside the supporting shell in a penetrating manner, the clamping member is fixedly disposed at a bottom end of the supporting shell, the meshing member is disposed at a bottom end of the clamping member in a meshing fit manner, the revolving member is disposed inside the meshing member in a meshing fit manner, and the rotating member is disposed inside the meshing member in a meshing fit manner.

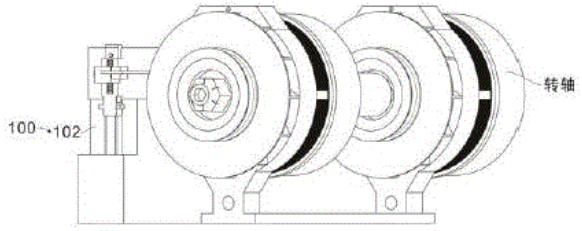
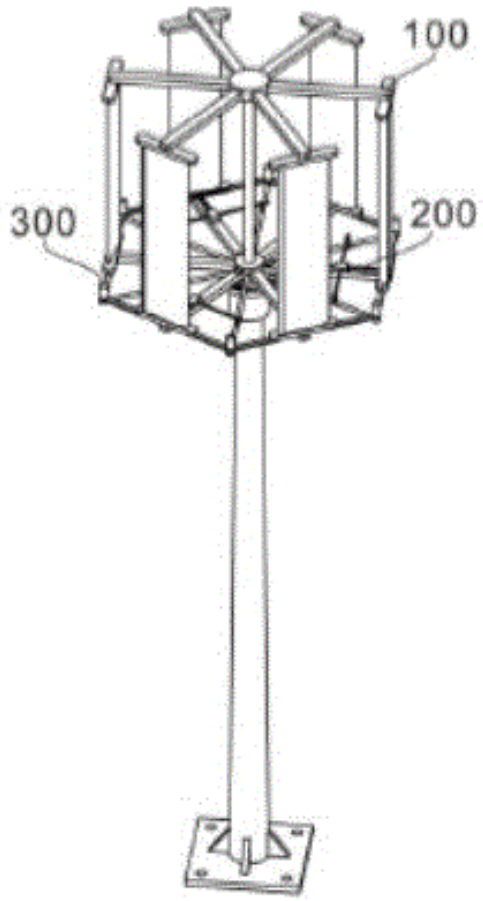


FIG. 1

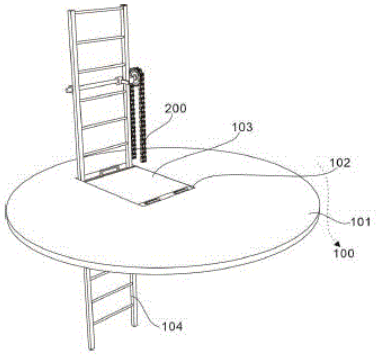
转轴：Rotary shaft

21: 2023/07251. 22: 2023/07/20. 43: 2023/10/26
51: F03D
71: Huaneng Tongliao Wind Power Co. Ltd
72: Liu, Jiaxin, Liu, Zhenghong, Fu, Yingjian, Xue, Xiangtian, Dai, Yaliang, Geng, Jinfu, Yang, Chuanlong
33: CN 31: 202310585639X 32: 2023-05-23
54: VERTICAL-AXIS WIND TURBINE GENERATOR
00: -
The vertical-axis wind turbine generator includes a power generation unit, where the power generation unit includes a rotary shaft, a connection assembly arranged on one side of the rotary shaft, a blade arranged on the connection assembly, and a generator arranged on one side of the rotary shaft; and a brake unit, wherein the brake unit is arranged on a lower side of the rotary shaft and includes a lower connection rod, a sliding block arranged on one side of the lower connection rod, a connection member arranged on one side of the sliding block, a brake assembly arranged on one side of the connection member, and a friction disc arranged on a lower side of the brake assembly. The vertical-axis wind turbine generator has a low cost and has a function of automatically reducing and adjusting a speed according to a rotary speed of the rotary shaft.

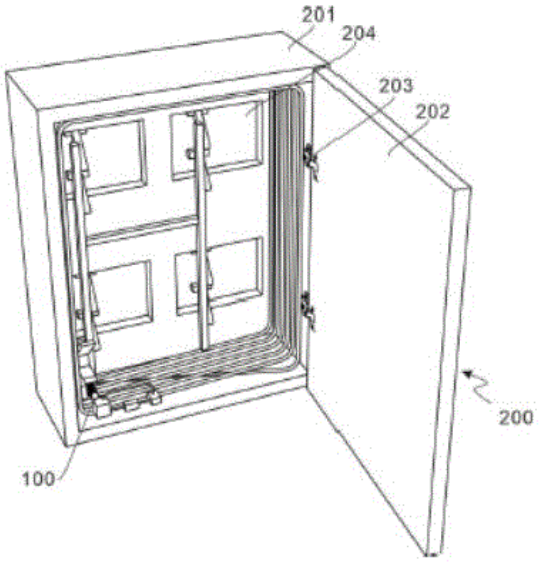


21: 2023/07252. 22: 2023/07/20. 43: 2023/10/26
51: E05F
71: Huaneng Tongliao Wind Power Co. Ltd
72: Tan, Guoen, Chang, Shuai, Wang, Guokui, Xue, Xiangtian, Dai, Yaliang, Geng, Jinfu, Liu, Yan
33: CN 31: 2023105869614.0 32: 2023-05-24
54: SAFETY OPENING AND CLOSING DEVICE OF FAN TOWER COVER PLATE
00: -
This invention discloses a safety opening and closing device of fan tower cover plates, including a main body assembly including a tower platform, an opening, tower cover plate and a ladder; and a safety opening and closing assembly including an opening and closing element, a safety protection element and a linkage control element. This invention could achieve the beneficial effect of the opening and closing element enabling a worker to easily operate during ladder climbing, so as to control the opening and closing of the fan tower cover plate at any time in a time and energy saving

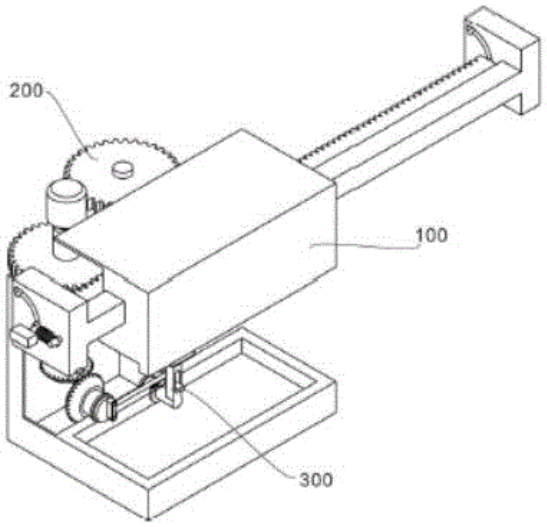
manner; the safety protection element being used to keep the stability of the opened or closed state of the fan tower cover plant and reduce the potential risk.



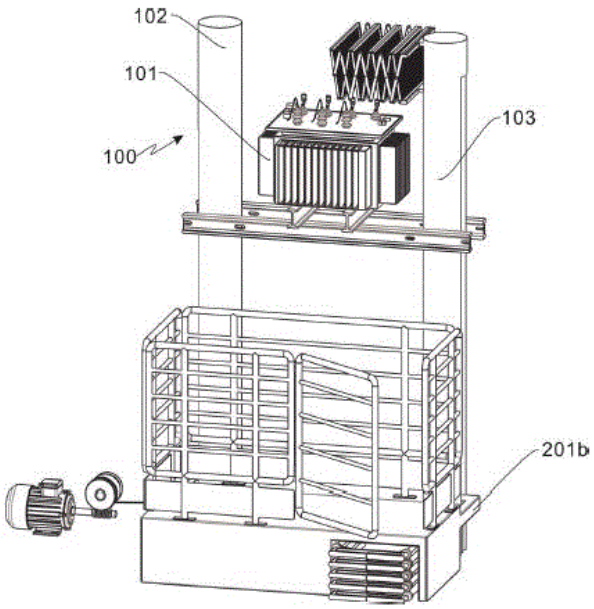
21: 2023/07253. 22: 2023/07/20. 43: 2023/10/26
51: H05K
71: Huaneng Tongliao Wind Power Co. Ltd
72: Wang, Guokui, Zhang, Hongxin, Tan, Guoen, Xue, Xiangtian, Dai, Yaliang, Geng, Jinfu, Song, Yinlong
33: CN 31: 2023105810818 32: 2023-05-23
54: HEAT DISSIPATING DEVICE OF CONTROL CABINET
00: -
The present invention discloses a heat dissipating device of a control cabinet, including a box unit, a heat dissipating unit arranged inside the box unit, where the heat dissipating unit includes a ventilation component, a cooling backwater component arranged on one side of the ventilation component, a control component arranged inside the cooling backwater component. The present invention has two heat dissipating methods of enhanced ventilation and water cooling, simultaneous start and stop of the two heat dissipating methods is achieved through a control component; for the heat dissipating methods, temperature is used as a triggering signal, the temperature in the whole control cabinet can be to accurately controlled in real time, the phenomenon that the temperature of a variable pitch frequency converter in a variable pitch control cabinet is too high, resulting in failure of the variable pitch frequency converter and fluid leakage of an internal capacitor is avoided.



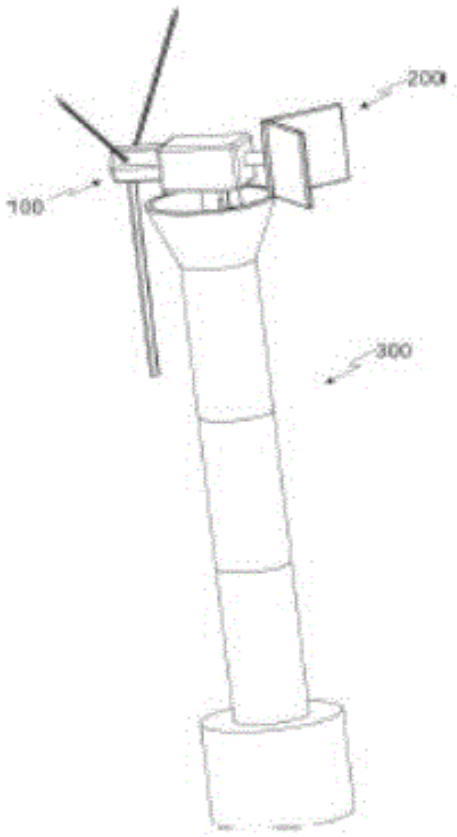
21: 2023/07254. 22: 2023/07/20. 43: 2023/10/26
51: H02G
71: Huaneng Tongliao Wind Power Co. Ltd
72: Liang, Sichao, Liu, Guanglei, Fan, Dameng, Zhang, Yaqi, An, Da, Wang, Xinlun
33: CN 31: 2023105653573.0 32: 2023-05-19
54: AGED INSULATOR DISMOUNTING DEVICE
00: -
The present invention provides an aged insulator dismounting device, including a shell, including a transverse beam, a rack slot, a driving gear hole, a first driven gear hole, a gear box, a second driven gear hole, a collecting groove, a limiting block and a swinging hole; a transmission unit, including a transverse beam, a rack, a first driven gear, a driving gear and a motor; and a dismounting unit, including a second driven gear, a reciprocating lever, a spring, a sliding block, a sliding column and a pendulum hammer. The present invention has the beneficial effects that by designing a dismounting mechanism, operators can be liberated from the danger of losing balance and falling down while forcefully hammering on an insulator string.



21: 2023/07256. 22: 2023/07/20. 43: 2023/10/26
51: B66F; H01F
71: Huaneng Tongliao Wind Power Co. Ltd
72: Zhang, Guohui, Li, Bo, Xue, Jiarui, Wang, Liming, Li, Yunpeng, Wang, Li
33: CN 31: 2023105573189.0 32: 2023-05-17
54: MAINTENANCE PLATFORM FOR TRANSFORMER
00: -
The maintenance platform for a transformer includes a transformation assembly, where the transformation assembly includes a transformer, a first stand column arranged outside the transformer, and a second stand column arranged outside the first stand column; a maintenance assembly, where the maintenance assembly includes a base arranged outside the transformer and a fence fixedly arranged on an end face of the base; a climbing assembly, where the climbing assembly includes a supporting rod arranged in the base and a climbing frame arranged outside the supporting rod; and a shielding assembly, where the shielding assembly includes a baffle, a fixing rod arranged on an outer wall of the baffle, and a sliding rod arranged on the outer wall of the baffle. By arranging a belt and an electric motor, the maintenance platform can be driven by the belt to move up and down under a drive effect of the electric motor.



21: 2023/07257. 22: 2023/07/20. 43: 2023/10/26
51: F03D
71: Huaneng Tongliao Wind Power Co. Ltd
72: Wang, Xi, Li, Shibin, Fan, Dameng, Zhang, Yaqi, Dong, Xin, An, Da, Wang, Xinlun
33: CN 31: 2023105592885.0 32: 2023-05-18
54: WIND TURBINE GENERATOR SYSTEM PROVIDED WITH PROTECTIVE STRUCTURE
00: -
The present invention relates to the field of wind power generation equipment, in particular to a Wind Turbine Generator System (WTGS) provided with a protective structure. The WTGS provided with the protective structure includes a power generation assembly, a control assembly and a support assembly, where the power generation assembly includes a power generation component and a rotating component, and the power generation component and the rotating component cooperate with each other; the control assembly includes a protective component and a direction adjusting component, the protective component is arranged inside the power generation assembly, and the direction adjusting component is arranged outside the power generation assembly; and the support assembly includes a tower which is located at the bottom of the power generation assembly.

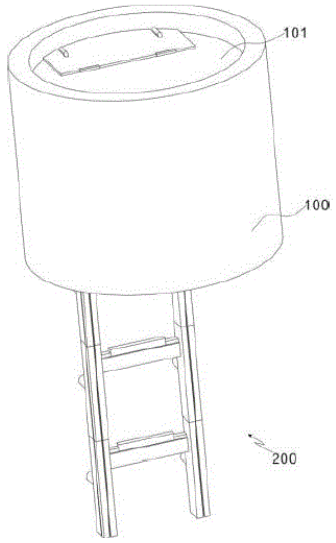


21: 2023/07258. 22: 2023/07/20. 43: 2023/10/26
51: F03D
71: Huaneng Tongliao Wind Power Co. Ltd
72: Zhang, Guohui, Wu, Wei, Xue, Jiarui, Liu, Guanglei, Wang, Li, Dong, Xin
33: CN 31: 2023105592847.0 32: 2023-05-18

54: TOWER FOR WIND TURBINE GENERATOR SYSTEM

00: -

The present invention relates to the field of safety equipment for wind power plants. The tower for the WTGS includes a tower body, a climbing assembly, a protective assembly and a safety assembly, where the tower body is internally provided with a plurality of groups of gentle layer platforms; the climbing assembly is arranged at the openings of the gentle layer platforms and includes longitudinal rods, transverse rods and fixing rods, and one end of the outer wall of each fixing rod is fixedly connected with the inner wall of the tower body; the protective assembly includes safety belt connectors, a limit slider, a second slider, a protective pin and a safety rope, and the protective assembly cooperates with the climbing assembly; and the safety assembly includes platform cover plates arranged at the tops of the openings of the plurality groups of gentle layer platforms.

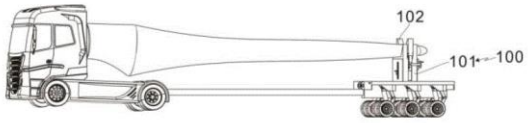


21: 2023/07259. 22: 2023/07/20. 43: 2023/10/26
51: B65D
71: Huaneng Fuxin Wind Power Generation Co., Ltd
72: Cheng, Shilin, Dong, Chenxi, Li, Xiaodong
33: CN 31: 2023106257333.0 32: 2023-05-30

54: SUPPORT FRAME FOR TRANSPORTING WIND TURBINE BLADES

00: -

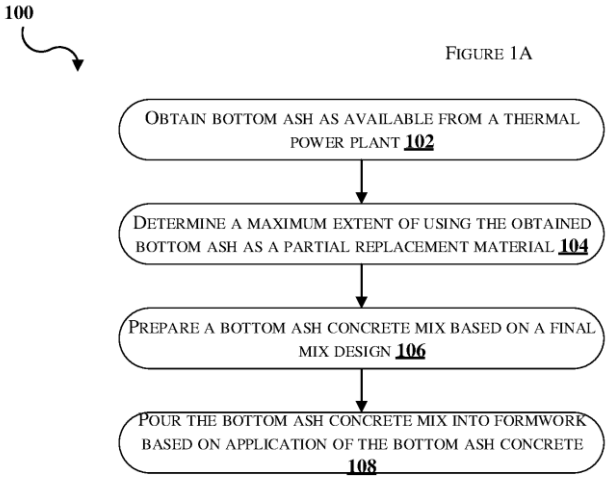
The present invention discloses a support frame for transporting wind turbine blades, and relates to the technical field of transportation. The support frame includes: a holding assembly, including a housing, a fixture block, a sliding member, a first telescopic member, and a pressing member, where the fixture blocks are slidably provided on both sides of the housing, the sliding member is formed on an inner side of the housing, the sliding member is fixedly provided on a side surface of the fixture block, the first telescopic member is fixedly provided at a bottom end of the fixture block, and the pressing member penetrates through and is slidably provided at a bottom end of the housing; such that a wind turbine blade is tightly clamped during transportation of the wind turbine blade and self-locked in a case of violent shaking, to be prevented from a bump.



21: 2023/07748. 22: 2023/08/07. 43: 2023/10/05
51: C04B
71: CESC LIMITED, SDG CONSULTANTS
72: Surajit Basu, Gautam Dasgupta, Debashish Bhattacharyya, Dr. Partha Ghosh
33: IN 31: 202131028863 32: 2021-06-28

54: A METHOD FOR PRODUCING CONCRETE USING BOTTOM ASH OF THERMAL POWER PLANTS

00: -
The present disclosure provides a method for producing concrete for structural and non-structural applications using bottom ash of thermal power plants. The method comprising obtaining bottom ash as available from a thermal power plant, and determining maximum extent of using the obtained bottom ash as a partial replacement material for natural river sand and/or supplementary cementitious material to prepare a blended material for producing bottom ash concrete based on material characteristics of the obtained bottom ash. The method comprises preparing a bottom ash concrete mix by including other raw materials with the blended material based on a final mix design. The final mix design is identified by performing a plurality of trials on the bottom ash concrete samples prepared based on a set of mix. The method includes pouring the bottom ash concrete mix into formwork depending on application of the bottom ash concrete at a construction site.

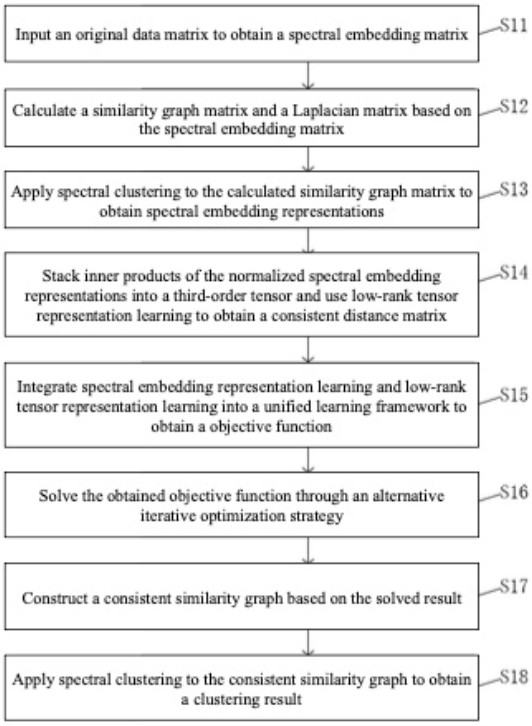


21: 2023/07802. 22: 2023/08/08. 43: 2023/11/02
51: G06K
71: ZHEJIANG NORMAL UNIVERSITY
72: ZHU, Xinzhong, XU, Huiying, LI, Zhenglai, TANG, Chang, ZHAO, Jianmin
33: CN 31: 202110171227.2 32: 2021-02-08

54: CONSENSUS GRAPH LEARNING-BASED MULTI-VIEW CLUSTERING METHOD

00: -
The present application discloses a consensus graph learning-based multi-view clustering method, comprising S11, inputting an original data matrix to obtain a spectral embedding matrix; S12, calculating a similarity graph matrix and a Laplacian matrix based on the spectral embedding matrix; S13, applying spectral clustering to the calculated similarity graph matrix to obtain spectral embedding representations; S14, stacking inner products of the normalized spectral embedding representations into a third-order tensor and using low-rank tensor representation learning to obtain a consistent distance matrix; S15, integrating spectral embedding representation learning and low-rank tensor representation learning into a unified learning framework to obtain a objective function; S16, solving the obtained objective function through an alternative iterative optimization strategy; S17, constructing a consistent similarity graph based on the solved result; and S18, applying spectral clustering to the consistent similarity graph to obtain a clustering result. The present application constructs a consistent similarity graph for clustering based on spectral embedding features. In this low-dimensional space, noise and redundant information are effectively filtered out, resulting in a similarity

graph that well describes the cluster structure of the data.

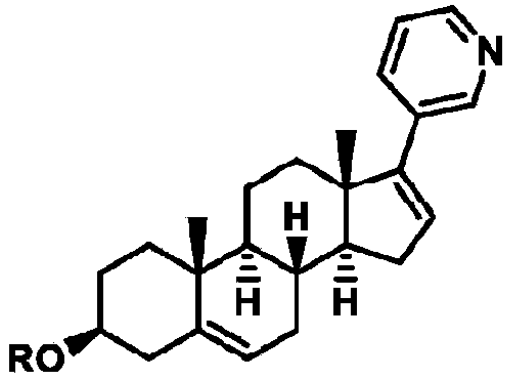


21: 2023/07833. 22: 2023/08/10. 43: 2023/11/02
51: A61K; C07J; A61P
71: TIANJIN HAIRUNJIAHE INNOVATIVE PHARMACEUTICAL RESEARCH LIMITED LIABILITY COMPANY
72: LIU, Tianjun, ZHU, Na, RONG, Yumei, HONG, Ge
33: CN 31: 202110321653.X 32: 2021-03-25

54: PREPARATION METHOD AND APPLICATION OF NOVEL INJECTION ABIRATERONE DERIVATIVE

00: -

Disclosed in the present invention are a novel injection polyaminopolycarboxylic acid-modified abiraterone derivative for treatment of prostate tumor, a pharmaceutical preparation containing the polyaminopolycarboxylic acid-modified abiraterone derivative, a preparation method, and an application. The polyaminopolycarboxylic acid-modified abiraterone derivative has the following structure (I). The polyaminopolycarboxylic acid-modified abiraterone derivative in the present invention has good water solubility, can be completely dissolved in an aqueous solution of sodium bicarbonate, is simple and convenient to prepare, high in yield, and suitable for large-scale production, has a remarkable effect in resisting tumors, can be used for treating prostate cancer tumor, and has the characteristics of high efficiency and low toxicity.



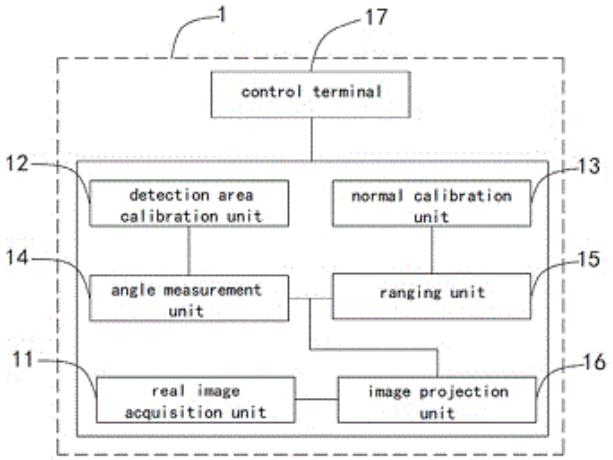
21: 2023/07878. 22: 2023/08/14. 43: 2023/09/08
51: G06T; G01B
71: CHINA CONSTRUCTION FIRST GROUP THE FIFTH CONSTRUCTION CO., LTD., CHINA CONSTRUCTION FIRST GROUP CORPORATION LIMITED
72: ZHEN, QIANG , LIU, JIAYIN, QIAO, LEI, JIAO, DAOWEI , YU, XIAOQING , QIU, MINGYUE , ZHENG, HAO, FAN, JIAHUI , ZHAO, PINRAN, WANG, XINMIN, LIU, YU, LEI, BIAO
33: CN 31: 202210980538.8 32: 2022-08-16

54: THREE-DIMENSIONAL MODEL REPRESENTATION DEVICE

00: -

The present application relates to a three-dimensional model representation device, comprising: a real image acquisition unit generates an electronic three-dimensional model; a detection area calibration unit calibrates the area to be detected on the object to be detected; a normal calibration unit determines the normal of a surface to be measured of the object to be detected; an angle measurement unit outputs an angle detection signal by real-time detecting the angle between an orientation line of the detection area calibration unit 12 and the normal; a ranging unit is configured to determine a distance between the three-dimensional model representation device and the object to be detected along the normal direction and output a distance detection signal; calculating the distance between the three-dimensional model representation device and the area to be detected based on a

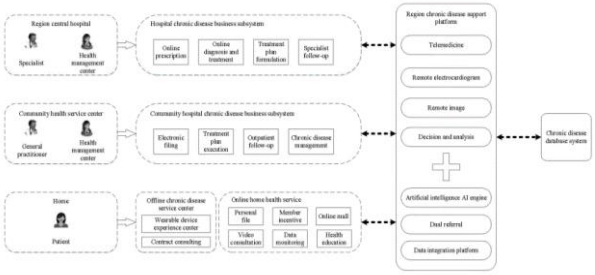
preset calculation method; an image projection unit determines a relative position of the three-dimensional model representation device and the object to be detected; establishing a virtual projection scene according to the electronic three-dimensional model and the relative position between the electronic three-dimensional model and the object to be detected; projecting the electronic three-dimensional model corresponding to the area to be detected onto the area to be detected. The present application has an effect of reducing a difficulty of obtaining location information for a concealed work.



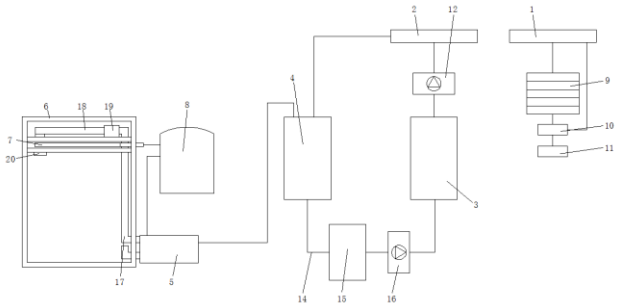
21: 2023/07890. 22: 2023/08/14. 43: 2023/11/16
51: A61K
71: JIANGSU YANGTZE RIVER MEDICAL TECHNOLOGY CORP.
72: XU, Haoyu, TANG, Chuanfei, ZHANG, Feng
54: INJECTABLE HYDROGEL, PREPARATION METHOD THEREOF, AND APPLICATION THEREOF AS SUBMUCOSAL INJECTION SOLUTION IN ENDOSCOPIC AUXILIARY TREATMENT
00: -
The present invention relates to the technical field of injectable gels, and more particularly to an injectable hydrogel, a preparation method thereof, and application thereof as a submucosal injection solution in endoscopic auxiliary treatment. The present invention provides an injectable hydrogel, including the following components in parts by mass: 0.1 to 120 parts of sodium alginate, 0.01 to 20 parts of a chitosan derivative, 0.01 to 15 parts of calcium chloride, and 0.01 to 9 parts of a carbomer, and further including a good solvent. The good solvent includes a good solvent for sodium alginate injection, a good solvent for chitosan derivative injection, a good solvent for calcium chloride injection, and a good solvent for carbomer injection.

21: 2023/08369. 22: 2023/08/30. 43: 2023/11/16
51: G06F
71: AFFILIATED HOSPITAL OF NANTONG UNIVERSITY
72: ZHU, Xiang, JIANG, Chenlu, ZHAO, Jiacheng, QIN, Yibin, MA, Xiaqing, LU, Cuie, GU, Qiang, ZHOU, Weiwei, ZHOU, Can, CAI, Jiapei, CHEN, Zhusheng, LI, Ming
33: CN 31: 202110716601.2 32: 2021-06-25
54: CHRONIC PAIN INTERNET PLUS MANAGEMENT PLATFORM AND CONSTRUCTION METHOD THEREOF
00: -
The present invention provides a chronic pain Internet plus management platform. File management of chronic disease patients is performed in combination with an Internet chronic disease cloud database by taking multi-dimensional and multi-level patient information as a chronic disease diagnosis starting point and taking each level of hospital and household personal mobile devices as information collection mediums, thereby implementing AI-assisted screening and intelligent

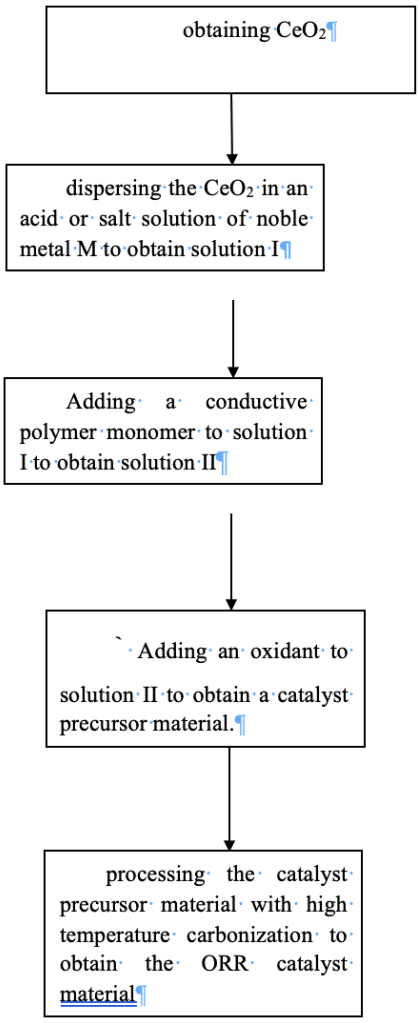
health risk analysis and prediction. According to the present invention, a chronic pain management mode is established in a manner of an information technology, such as mobile Internet, cloud computing, and big data; moreover, self-management of the patients is assisted by means of the chronic pain management mode, thereby improving pre-determination of chronic pain.



21: 2023/08373. 22: 2023/08/30. 43: 2023/11/16
51: F24F
71: JIAXING UNIVERSITY
72: ZHANG Ye, LIU Fanhan, LI Kuishan, CHEN Yiguang, ZHOU Xiangjiang, QI Yuli
33: CN 31: 2021112873649 32: 2021-11-02
54: SOLAR POWERED RADIATION COOLING AIR CONDITIONING DEVICE AND RADIATION COOLING METHOD
00: -
The present invention discloses a solar powered radiation cooling air conditioning device and a radiation cooling method, comprising a solar generator and a solar collector. The output end of the solar generator is connected to a power supply mechanism, the input end of the solar collector is connected to a liquid storage cylinder, and the output end of the solar collector is connected to a dehumidifier. The dehumidifier is equipped with an outlet interface, and the outlet interface is connected to a condensing and dehumidifying unit through a pipeline, the output end of the condensing and dehumidifying unit is connected to an indoor room through a pipeline component, and the indoor room is equipped with a radiation coil, and there is a humidifier outside the indoor room, and the humidifier is connected to the radiation coil, and the solar powered radiation cooling air conditioning device and the radiation cooling method use a solar collector as the cold and heat source part of the air conditioning, and a solar generator as the power supply system of the air conditioning, During the use of air conditioning, a large amount of electricity is saved, which is beneficial for energy conservation and reducing energy consumption.

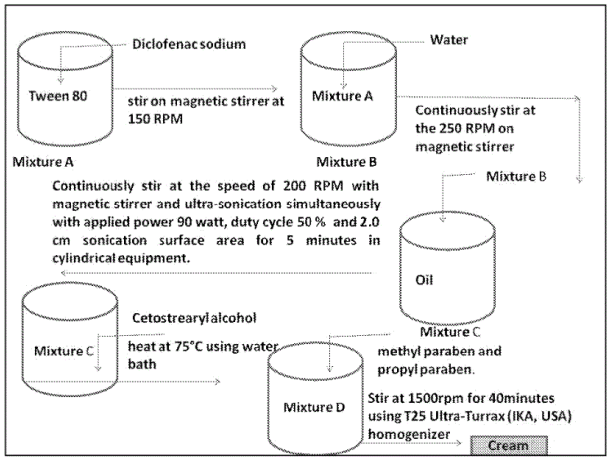


21: 2023/08558. 22: 2023/09/06. 43: 2023/11/16
51: H01M
71: SHANGHAI MARITIME UNIVERSITY
72: LEI, Yanhua, TAN, Ning, ZHANG, Yuliang, CHANG, Xueting, FAN, Runhua
33: CN 31: 202011268676.0 32: 2020-11-13
54: ORR CATALYST MATERIAL, PREPARATION METHOD THEREFOR, AND USE THEREOF
00: -
An ORR catalyst material and a preparation method therefor. The present application also relates to a use of the ORR catalyst material as a cathode material of a hydrogen-oxygen fuel cell or a metal-air cell, and a hydrogen-oxygen fuel cell or a metal-air cell. The ORR catalyst material satisfies the following general formula: Mx/N-C(1-x-y)/(CeO2)y (I), wherein a precious metal M is one or more than two of Pt, Pd, and Au, x and y represent mass percentages, x is in the range of 5%-6%, and y is in the range of 4%-12%. The key point of the preparation method for the ORR catalyst material is that: a catalyst precursor material is a conductive polymer composite material doped with precious metal acid radicals. The catalyst material solves the technical problems in the prior art that ORR catalyst materials have uneven dispersion of precious metals and poor catalytic performance, and preparation methods for catalyst materials are complicated, not environmental-friendly, and high in costs.



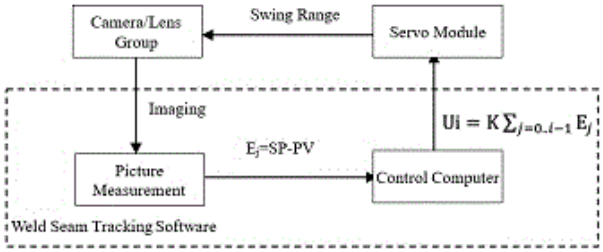
21: 2023/08665. 22: 2023/09/11. 43: 2023/11/16
51: C04B
71: HENGYANG KAIXIN SPECIAL MATERIAL TECHNOLOGY CO., LTD
72: ZENG, Xiaofeng, ZHU, Fulin, XIAO, Liang, QIAN, Lihong, CHEN, Juxi, LI, Yongquan
33: CN 31: 202111329301.5 32: 2021-11-10
54: CERAMIC COMPOSITION, SILICON NITRIDE CERAMIC MATERIAL AND PREPARATION METHOD THEREFOR, AND CERAMIC PRODUCT
00: -
The present invention relates to a ceramic composition, a silicon nitride ceramic material and a preparation method therefor, and a ceramic product. The ceramic composition comprises the following components in parts by mass: 1-10 parts of boron nitride; 1-8 parts of yttrium oxide; 1-8 parts of aluminum titanate; and 75-95 parts of silicon nitride. The ceramic composition comprises boron nitride, yttrium oxide, aluminum titanate and silicon nitride at a specific ratio, can turn black after sintering, has a pure black color and a small color difference, and ensures that the performance of a ceramic product is essentially unaffected.

21: 2023/08703. 22: 2023/09/12. 43: 2023/11/16
51: A61K
71: SOMADE, Pratik Prakash
72: SOMADE, Pratik Prakash, PATIL, Pramod Anil, CHOPADE, Atul Ramchandra, BHUTKAR, Mangesh Anil, SOMADE, Prakash Maruti
33: IN 31: 202121006207 32: 2021-02-15
54: A PROCESS FOR PREPARING NON-COSURFACTANT BASED IMMEDIATE RELEASE TOPICAL FORMULATION OF A POORLY SOLUBLE NON-STEROIDAL ANTI-INFLAMMATORY DRUG
00: -
Disclosed is a process for preparing non-cosurfactant based immediate release stable topical formulation of a poorly soluble non-steroidal anti-inflammatory drug in which the topical formulation comprises of diclofenac sodium in an amount of 1.92% by weight; arachis oil in an amount of 1.0% by weight; polyethylene sorbitol ester in an amount of 1.0 by weight; cetostrearyl alcohol in an amount of 5.0% by weight; methyl paraben in an amount of 0.1% by weight; propyl paraben in an amount of 0.05% by weight; and water in quantity sufficient.

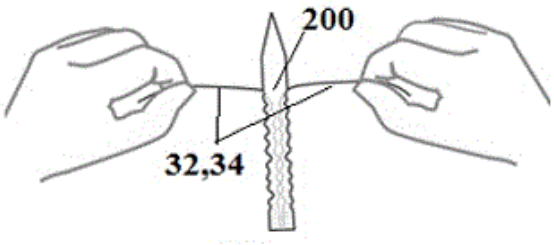


21: 2023/08796. 22: 2023/09/15. 43: 2023/09/19
51: B23K
71: PANOWA INTELLIGENT TECHNOLOGY CO., LTD.
72: JIN, YAJUAN

33: CN 31: 202110460921.6 32: 2021-04-27
54: ADAPTIVE WELDING SEAM TRACKING METHOD
00: -
An adaptive welding seam tracking method. A diode laser generator (3) obliquely emits a laser beam, and the laser beam falls on a workpiece and is split in an X direction of a working plane; an imaging system receives a real-time image sequence, and performs measurement on images to obtain a current welding seam position; the deviation value between a current laser spot position and the current welding seam position is calculated, and the deviation value is converted into an analog quantity to be transmitted to a laser lens group angle adjustment mechanism (2); the laser lens group angle adjustment mechanism controls a welding optical system at an angle value. The method has the advantages of high welding seam tracking precision and quick response, and can significantly improve laser welding efficiency and quality.

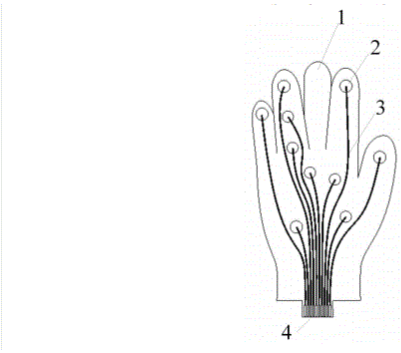


21: 2023/08867. 22: 2023/09/19. 43: 2023/10/17
51: A61B
71: CHAFFRINGEON, BERNARD-MARIE
72: CHAFFRINGEON, BERNARD-MARIE
54: COLLECTING DEVICE, KIT, MANUFACTURING PROCESS, SAMPLING METHODS AND USE
00: -
The present invention relates to a collecting device (1) for sampling at least one specimen from bodily cavities of humans and animals, comprising: - an elongated flattened pouch (20) having: an open end (200), a top side (201) opposed to the open end (200), situated at a proximal end (101) of the collecting device (1), and two lateral sides (202, 204); and - two creasing means (32, 34), each having a fixed end (301), which is fixed inside the pouch (20) at or in the vicinity of said top side (201) and a free end (303), which protrudes freely through said open end (200), configured such that upon pulling the free ends (303) of the two creasing means (32, 34) in opposite directions, the short side (201) of the pouch (20) is brought closer to the open end (200) while the pouch (20) adopts a creased shape (22). Preferably, the collecting device further comprises two sheets of fabric (40, 41), that are fastened to each other by fastening elements (25) such as welding lines situated at a distance of about 1 mm to 10mm from proximal margins (401) of said sheets (40, 41) to form two proximal flaps (44, 46) fixed to each other by the fastening elements (25) such that the two flaps (44, 46) can transition form a closed state (47) to an open state (49). The present invention also relates to the use of the collecting device (1) for sampling of at least one specimen from bodily cavities of humans and animals, to a kit and methods for sampling and to a process for producing the collecting device (1).

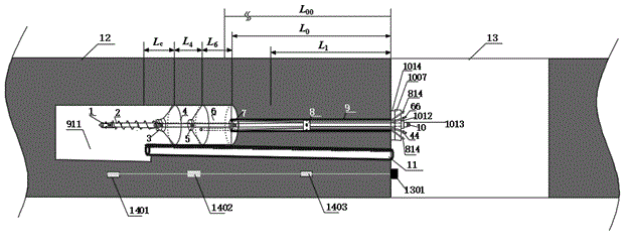


21: 2023/08991. 22: 2023/09/22. 43: 2023/11/16
51: A61B
71: THE SECOND MEDICAL CENTER OF CHINESE PLA GENERAL HOSPITAL
72: CAO, Feng, WANG, Huiquan, CAO, Ruihua, WANG, Yabin, MIAO, Jialiang
33: CN 31: 202110586314.4 32: 2021-05-27
54: ELECTROCARDIOGRAM COLLECTION SYSTEM AND METHOD, AND PREPARATION METHOD FOR ELECTROCARDIOGRAM COLLECTION SYSTEM
00: -
An electrocardiogram collection system and method, and a preparation method for an electrocardiogram collection system. The system comprises: a collection unit which is used for collecting a simulated electrocardiogram signal of a human body, wherein the collection unit is composed of a flexible device and 10 conductive electrodes (2), and the conductive electrodes (2) are printed on the flexible device; a control unit, which is connected to the conductive electrodes (2) and is used for

processing the simulated electrocardiogram signal and outputting same; and a display unit, which is connected to the control unit and is used for receiving an output signal from the control unit and displaying the output signal. A collection unit with conductive electrodes (2) printed on a flexible device is taken as a collection carrier for an electrocardiogram signal, and all the conductive electrodes (2) are put in place in one instance.

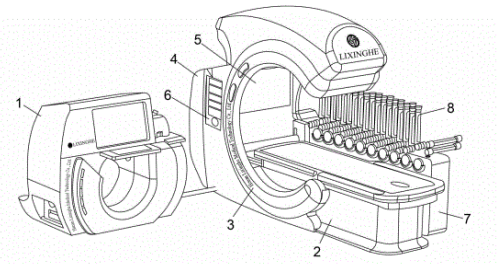


21: 2023/09030. 22: 2023/09/26. 43: 2023/11/02
51: E21B
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY-BEIJING
72: CHEN, Dongdong, XIE, Shengrong
33: CN 31: 202310641071.9 32: 2023-06-01
54: COUPLING CONTROL SYSTEM AND METHOD THEREOF OF ROADWAY SURROUNDING ROCK ANCHORING AND PRESSURE RELIEF IN KEY AREAS OF SURROUNDING ROCK
00: -
The present invention discloses a coupling control system and method for roadway surrounding rock anchoring and pressure relief in key areas of surrounding rock, belonging to the field of mining engineering and geotechnical engineering. The method comprises the following steps: building a slag drilling hole and an expanding section and installing a slag drilling hole protecting pipe; implementing a pressure relief hole in a high stress area in surrounding rock and an area above the expanding section of the slag drilling hole; completely discharging slag from the slag drilling hole; installing a resistance-adjusting nozzle, an anchor rod, a pressure-regulating bag and a deformation-limiting bag in the pressure relief hole; and forming an integral directional reinforcement system through an anchor rod tray and an anchor rod interconnecting member. The method of the present invention not only can carry out slag discharge and pressure relief in the pressure relief hole through the slag drilling hole indefinitely, through the circular grouting ring, the anchorage zone can be grouted and consolidated for many times, and the resistance adjusting bag, the deformation limiting bag and the anchor rod can realize that the damage and deformation of the pressure relief tunnel do not develop to the anchorage zone, so as to realize the coupling control of the surrounding rock anchoring of the roadway and the pressure relief of the internal key area, and the operation is convenient and quick.



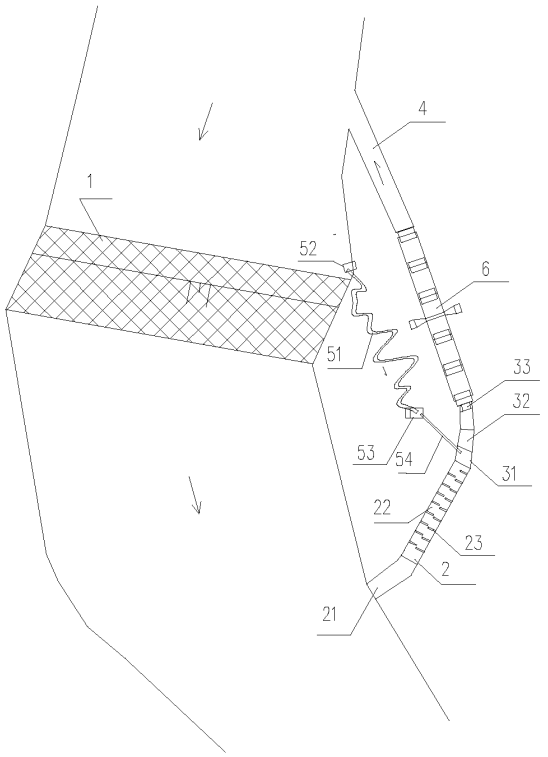
21: 2023/09044. 22: 2023/09/26. 43: 2023/11/16
51: A61N
71: HENAN LIXINGHE MEDICAL TECHNOLOGY CO., LTD
72: ZHANG, Yanming
33: CN 31: 202211087235.X 32: 2022-09-07
54: MICROWAVE PHYSIOTHERAPY ACUPOINT MOXIBUSTION DEVICE AND USE METHOD THEREOF
00: -
A microwave physiotherapy acupoint moxibustion device comprises a primary control platform (1), and a physiotherapy bed (2); a mounting frame (3) and a control box (4) are arranged at an end portion of the physiotherapy bed (2), and a patient parameter display screen (5) is provided on the mounting frame (3); a microwave source is disposed in the control box (4), and a control panel (6) is arranged on the outside of the control box (4); a side portion of the physiotherapy bed (2) is provided with a mounting box (7), and a microwave magnetron is arranged in the mounting box (7); a mechanical arm (8) is disposed at the top of the mounting box (7), a microwave probe is arranged at an end of the mechanical arm (8), and the microwave magnetron is connected via wiring to the microwave probe at the end of the mechanical arm (8). During use, a patient lies on the physiotherapy bed (2), the

acupoint moxibustion device can simultaneously perform microwave physiotherapy on 10 acupuncture points of the patient, and the electric physiotherapy bed (2) can adjust the lying posture of the patient.

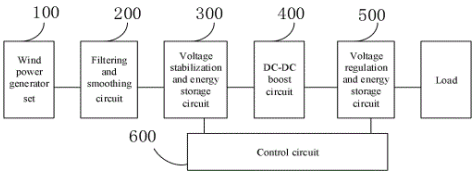


21: 2023/09062. 22: 2023/09/26. 43: 2023/11/02
51: H01M
71: ZHEJIANG HYPROOF NEW ENERGY CO. LTD, SHANGHAI HYPROOF TECHNOLOGY CO., LTD, SHANGHAI HYPROOF NEW MATERIAL TECHNOLOGY CO., LTD
72: WU, Huisheng, YANG, Ying
33: CN 31: 202110331385.X 32: 2021-03-29
33: CN 31: 202110337002.X 32: 2021-03-29
33: CN 31: 202110337004.9 32: 2021-03-29
33: CN 31: 202110337022.7 32: 2021-03-29
33: CN 31: 202110337061.7 32: 2021-03-29
54: COMPOSITE MEMBRANE OF SPECIAL HIGHLY-ENHANCED FLUORINE-CONTAINING PROTON OR ION EXCHANGE MEMBRANE, COMPOSITE MEMBRANE ELECTRODE, SPECIAL HIGHLY-ENHANCED FLUORINECONTAINING CHLOR-ALKALI BATTERY MEMBRANE, SPECIAL RELEASE MEMBRANE, AND PREPARATION METHOD THEREFOR
00: -
The invention discloses a composite membrane of a special highly enhanced fluorine-containing proton or ion exchange membrane, a composite membrane electrode, a special highly enhanced fluorine-containing chlor-alkali battery membrane, a special release membrane and a preparation method thereof. The composite membrane of the special highly enhanced fluorine-containing proton or ion exchange membrane comprises at least two layers of microporous reinforced membranes, wherein both sides of each layer of microporous reinforced membranes are filled with a fluorine-containing proton or ion exchange resin, the biaxial tensile strength of the composite membrane is greater than 40MPa, the room temperature ionic conductivity is greater than 0.007S/cm, the air permeability is extremely low, and the time required for 100 ml of air to pass through the composite membrane measured by Gurley densometer is more than 5 minutes.

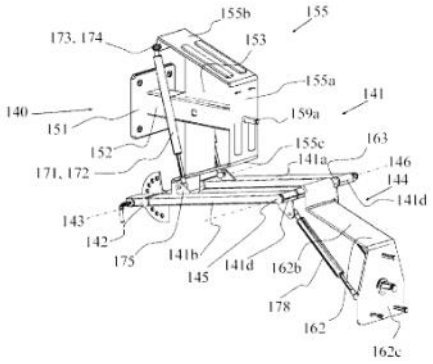
21: 2023/09063. 22: 2023/09/26. 43: 2023/11/02
51: A01K; E02B
71: POWER CHINA GUIYANG ENGINEERING CORPORATION LIMITED
72: Jiafei ZHOU, Tengfei TANG, Fan CHEN, Zaixing ZHAO, Xiao ZONG, Yi ZHAO, Lang WEI, Hao XIA, Hongxin CAI
33: CN 31: 202210487766.1 32: 2022-05-06
54: A FISH-PASSING SYSTEM AND A FISH-PASSING METHOD WITH TOURIST ORNAMENTAL FUNCTION
00: -
This invention discloses a fish-passing system and a fish-passing method with tourist ornamental function, belonging to the technical field of water conservancy and hydropower ecological protection. The system comprises a dam, a Ferris wheel, a water supplement component, and a central controller. The upstream of the dam is equipped with a fish-release chute, and one end of the fish-release chute extends into the water body of the dam reservoir. The downstream of the dam is equipped with a fish passage transfer mechanism, and the fish passage transfer mechanism is connected to the downstream water body of the dam through a fish passage. The Ferris wheel is located between the fish passage transfer mechanism and the fish-release chute, and a number of fish-carrying and human-ascending mechanisms are evenly arranged on the Ferris wheel. One end of the water supplement component extends into the water body of the dam reservoir, and the other end is connected to the fish passage transfer mechanism. The central controller is connected to the Ferris wheel, fish passage transfer mechanism, and fish-carrying and ascending mechanisms. By combining the Ferris wheel with the upstream fish migration needs, this system promotes gene exchange of upstream and downstream fish populations in high-head water conservancy projects while enhancing the tourism value of hydropower projects and significantly reducing the project investment.



21: 2023/09409. 22: 2023/10/09. 43: 2023/11/16
51: H02J
71: HEBEI TANMI TECHNOLOGY CO., LTD.
72: YUAN, Xiaoxiang, CHU, Cunhao, JIN, Lixin, YUAN, Yule, XIANG, Junjie
33: CN 31: 202211174693.7 32: 2022-09-26
54: MINIATURE WIND POWER STORAGE DIRECT-CURRENT POWER SUPPLY SYSTEM AND APPARATUS
00: -
The miniature wind power storage direct-current power supply system and apparatus provided by the present application use air flow generated by heat dissipation fans of electrical machinery at industrial plants to generate power. The invention makes full use of available green energy to generate power, to store energy, and to supply power to sensors and other such loads. The micro-voltage detection unit and the voltage-stabilizing energy storage circuit contained in the application are adapted for scenarios in which power generation voltage is unstable. Once boosting is accomplished by a DCDC boost circuit, a linear regulator and a controller control the switching on and off of three circuits consisting of triodes and of resistors having different resistance values. The apparatus to which the present application relates is secured to electrical machinery vents by means of adhesion or magnetic attraction, and can be simply mounted thereon without making modifications to said machinery.



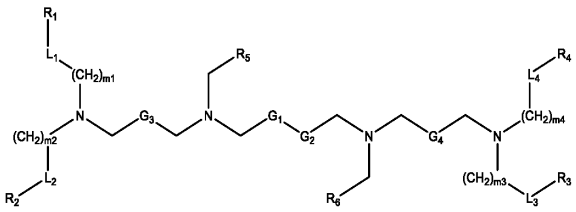
21: 2023/09450. 22: 2023/10/10. 43: 2023/11/13
51: B60R; B62D
71: MILES, Shane Robert
72: MILES, Shane Robert
33: AU 31: 20219000683 32: 2021-03-10
33: AU 31: 2021901262 32: 2021-04-29
54: WHEEL CARRIER
00: -
A wheel carrier for a vehicle, including a first component adapted to be secured on or to a vehicle a second component operatively connected to said first component for movement relative thereto from a stowed or upper position to an extended or lowered position and a third component operatively connected to said second component for movement relative thereto from a stowed or upper position to an extended or lowered position, said third component including means for mounting a spare wheel thereto and securing means for securing said third component in the stowed or upper position.



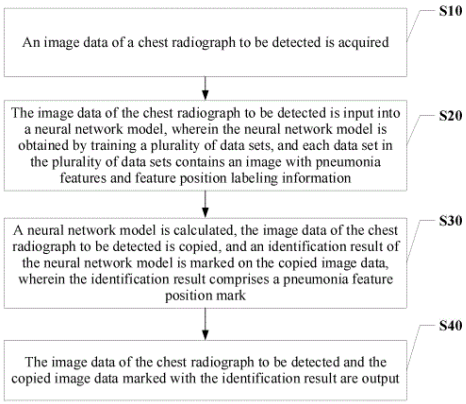
21: 2023/09465. 22: 2023/10/10. 43: 2023/11/02
51: B27H
71: HEBEI RUILONG BIOTECHNOLOGY CO., LTD
72: LI, Weijia, ZHENG, Jingmei, YAN, Jingyi, WANG, Junhua

33: CN 31: 202211054260.8 32: 2022-08-31
54: METHOD OF EXTRACTING MYRICETIN FROM XANTHOCERAS SORBIFOLIA BUNGE
00: -
The disclosure relates to the technical field of extraction of an active ingredient from traditional Chinese medicine, and provides a method of extracting myricetin from Xanthoceras sorbifolia Bunge. The method includes: step 1, baking Xanthoceras sorbifolia Bunge, crushing and sieving to obtain a crude powder; step 2, mixing the crude powder with a counter-current extraction solution to perform a counter-current extraction at a low temperature to obtain a filtrate and a filter residue; step 3, mixing the filter residue with a solvent to obtain a first mixture, and heating the first mixture to reflux for extraction for 1 to 3 times to obtain an extraction liquid; step 4, mixing the extraction liquid and the filtrate, adding an alkaline auxiliary agent, and adjusting a pH of the mixture to 8~9; heating to boil, reducing to room temperature, and concentrating under reduced pressure to obtain a concentrated solution; and step 5, separating and eluting the concentrated solution with a monohydric alcohol aqueous solution in a macroporous adsorption resin to obtain an eluent, then drying the eluent to obtain the myricetin. Through the above technical scheme, the problems of low extraction rate and low purity of myricetin in the existing technology are solved.

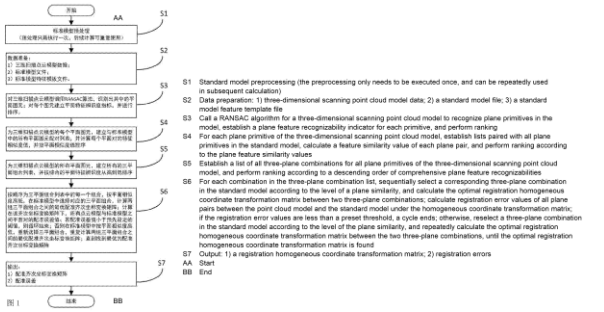
21: 2023/09527. 22: 2023/10/11. 43: 2023/11/02
51: A61K; C07C
71: WESTGENE BIOPHARMA CO., LTD.
72: SONG, Xiangrong, WEI, Xiawei, WEI, Yuquan
33: CN 31: 202110396368.4 32: 2021-04-13
54: IONIZABLE LIPIDS AND COMPOSITIONS FOR NUCLEIC ACID DELIVERY
00: -
The present disclosure relates to a compound of Formula (I) or a pharmaceutically acceptable salt thereof, which can be incorporated into a lipid particle for delivering an active agent, such as a nucleic acid.



21: 2023/09547. 22: 2023/10/12. 43: 2023/11/16
51: G06N
71: NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: SHAN, Yan, ZHANG, Mei, ZHANG, Lixiang, LI, Shuang, FAN, Qiuhong
33: CN 31: 202210844283.2 32: 2022-07-18
54: NEURAL NETWORK MODEL-BASED PNEUMONIA FEATURE RECOGNITION METHOD AND APPARATUS, AND ELECTRONIC DEVICE
00: -
The invention relates to the technical field of deep learning, in particular to a neural network model-based pneumonia feature recognition method and apparatus, and an electronic device. The method comprises the following steps: obtaining chest radiography image data to be tested; inputting said chest radiography image data into a neural network model, wherein the neural network model is obtained by training with a plurality of groups of data sets, and each group of data in the plurality of groups of data sets comprises an image with a pneumonia feature and feature position labeling information; running the neural network model, copying said chest radiography image data, and marking a recognition result of the neural network model on the copied image data, the recognition result comprising a pneumonia feature position mark; and outputting said chest radiography image data and the copied image data marked with the recognition result.

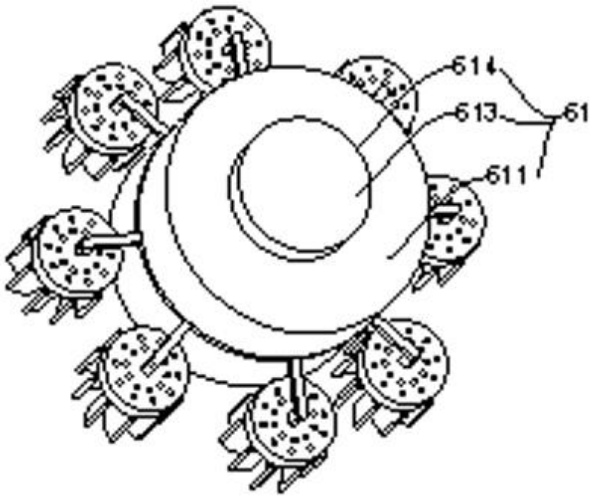


21: 2023/09569. 22: 2023/10/12. 43: 2023/11/02
51: G06K; G06T
71: GUANGDONG SAMSUN TECHNOLOGY CO., LTD.
72: YAN, Changya, LU, Shaowu, ZHOU, Xiangdong, LI, Zhenhan, TANG, Xiaoqi, ZHANG, Qingxiang, CHEN, Yingtao, TAN, Hui, TANG, Shengshui, ZHENG, Xiaoze
33: CN 31: 202110498865.5 32: 2021-05-08
54: ONLINE REAL-TIME REGISTRATION METHOD FOR INCOMPLETE THREE-DIMENSIONAL SCANNING POINT CLOUD HAVING PLANE REFERENCE
00: -
An online real-time registration method for an incomplete three-dimensional scanning point cloud having a plane reference. The method comprises: S1, standard model preprocessing, which involves: inputting a standard model, and obtaining a plane primitive set in the standard model, and relevant geometric information of each primitive; S2, data preparation, which involves: inputting three-dimensional scanning point cloud model data, a standard model file and a standard model feature template file; S3, calling a RANSAC shape recognition algorithm for the three-dimensional scanning point cloud model data to recognize plane primitives in the data; S4, for each plane primitive of a three-dimensional scanning point cloud model, establishing lists paired with all plane primitives in the standard model; S5, establishing all three-plane primitive groups according to the plane primitives; and S6, performing registration calculation between a three-plane combination of the point cloud model and all corresponding possible three-plane combinations in the standard model, so as to obtain the optimal registration homogeneous coordinate transformation matrix. By means of the present invention, the registration of all pieces of point cloud data does not need to be taken into consideration, and only plane features in a standard model and in an actual point cloud model need to be taken into consideration for recognition and matching, so that the number of searching cycles is reduced, and the aim of acceleration is achieved.



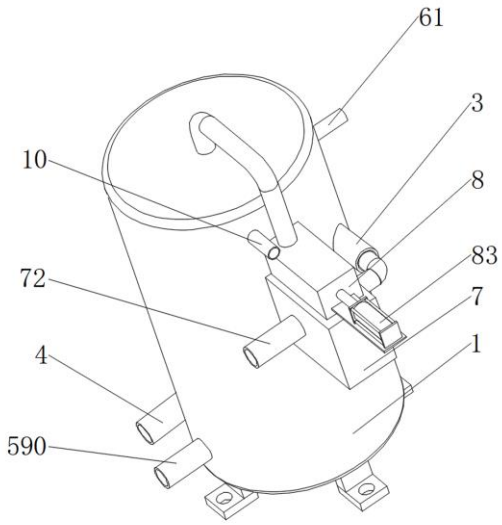
21: 2023/09644. 22: 2023/10/16. 43: 2023/11/02
51: F24H
71: ANHUI CHENYU MACHINERY TECHNOLOGY CO, LTD
72: DUAN Xianwu, YANG Jian, ZHU Huangfu
33: CN 31: 202210558700.7 32: 2022-05-20
54: HEAT SOURCE SYSTEM OF HOT AIR FURNACE FOR MATCHING GRAIN DRYER
00: -
The present invention discloses a heat source system of a hot air furnace for matching a grain dryer, including a heat exchanger part, the heat exchanger part includes a plurality of groups of air duct groups for hot gas to pass through, the air duct group includes at least four air ducts, middle parts of four air ducts are arranged with center pipes, a bottom of the center pipe is arranged with a pressing block, a bottom of the pressing block is arranged with a pushing component that pushes the pressing block to rise along with the rise of the temperature, and an ash scraping piece is placed in an inner cavity of the air duct. In the above solution, as the temperature in the air duct group rises, the pushing component pushes the pressing block to rise, and in the rising process, the ash scraping piece scrapes an inner wall of the air duct from a bottom to a top. After the temperature of the air duct group drops, the pushing component stops operating and returns to an original state. At this time, the pressing block falls with the pushing component, and at the same time, the ash scraping piece falls with the pressing block.

According to the present invention, the on-line dust scraping action is realized from a top to a bottom without manual operation, and the scraped dust enters the ash discharge pipe with the hot air in the air duct to be discharged.



21: 2023/09723. 22: 2023/10/18. 43: 2023/11/02
51: F28G
71: MAANSHAN NBWAVE THERMAL ENERGY TECHNOLOGY CO., LTD
72: Shifeng,Yan
33: CN 31: 202210978493.0 32: 2022-08-16
54: HIGH-EFFICIENT TANK-TYPE HEAT EXCHANGER WITH OIL RETURN FUNCTION FOR HEAT PUMP UNIT
00: -

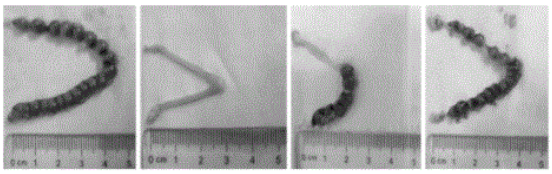
The application relates to the technical field of heat exchangers, and discloses ahigh-efficient tank-type heat exchanger with an oil return function for a heat pump unit, which includes a tank body. A spiral pipe is fixedly connected in the tank body, one end of the spiral pipe is fixedly connected with a water inlet pipe, one end of the water inlet pipe is fixedly connected with a water purification mechanism fixedly connected with the tank body, the other end of the spiral pipe is fixedly connected with a water outlet pipe, and a heat exchange cleaning mechanism is arranged in the tank body (1). According to the high-efficient tank-type heat exchanger with the oil return function for the heat pump unit, a fan blade, a second transmission pipe and a first transmission pipe in a transmission case are driven to rotate by a driving mechanism, and a first connecting pipe and the second connecting pipe respectively drive a first cleaning brush and a second cleaning brush on a first transmission box and a second transmission box to perform timely and sufficient reciprocating cleaning on inner and outer surfaces of the spiral pipe, so that dirt and impurities accumulated on the surface of the spiral pipe are prevented from affecting a heat exchange efficiency, and a service life of the heat exchanger is prolonged.



21: 2023/10045. 22: 2023/10/27. 43: 2023/11/02
51: A61K
71: Anhui Medical University, Hefei Doushuaigong Medical Technology Co., LTD
72: Wenjie LU, Youzhi XU, Mingxiang XU
33: CN 31: 2021104889912 32: 2021-04-29
54: A TRADITIONAL CHINESE MEDICINE PREPARATION AND ITS APPLICATION FOR TREATING INFERTILITY
00: -

Disclosed is a traditional Chinese medicine preparation and its application for treating infertility, which belongs to the technical field of traditional Chinese medicine; said traditional Chinese medicine preparation is prepared from, by weight, 25-30 parts of radix rehmanniae praeparata, 12-15 parts of angelica sinensis, 25-35 parts of atractylodes macrocephala koidz(cooked), 15-20 parts of chinese yam(cooked), 10-12 parts of paeoniae radix alba(cooked), 9-12 parts of semen zizphi spinosae, 6-10 parts of peony radix, 9-12 parts of radix glehniae, 8-10 parts of eucommia bark(cooked), 20-25 parts of radix codonopsitis, 6-10 parts of radix bupleuri, 8-12 parts of cyperus rotundus

Linn.(cooked), 6-9 parts of caulis perllae; said traditional Chinese medicine preparation for treating infertility can increase treatment effect of increasing thickness of endometrium, enhancing tension of follicle and restoring normal development of said follicle thus effectively assists pregnancy.



1 2 3 4

* 1 refers to normal control group; 2 refers to mifepristone model group; 3 refers to essential drug treatment group; 4 refers to treatment group disclosed in this invention

21: 2023/10047. 22: 2023/10/27. 43: 2023/11/02
51: G06F
71: Hebei University of Science & Technology
72: Liguang ZHU, Suling LU, Zhihong GUO, Chunniu YANG, Yaxu ZHENG, Baochen HAN, Qi WANG
33: CN 31: 202210618119X 32: 2022-06-02

54: A GRADING METHOD, DEVICE, ELECTRONIC EQUIPMENT AND STORAGE MEDIUM OF SCRAP STEEL PREHEATING

00: -

The present invention provides a grading method, device, electronic equipment and storage medium of scrap steel preheating. The process includes: based on the pre-determined scrap steel grading standard, the scrap steel raw materials to be processed are divided into M levels; Based on the preset constraint conditions of each level of scrap steel raw materials, the amount of scrap steel raw materials added at each level is determined according to the preset objective function; the preset constraint conditions are constructed according to the attribute parameters of each level of scrap steel raw materials, and the preset objective function is determined according to the specific surface area coefficient of each level of scrap steel raw materials; according to the addition amount of scrap steel raw materials of each grade, the N distribution methods of scrap steel raw materials of each grade in the scrap preheating device are determined; calculating the preheating temperature of each level of scrap steel raw material under various distribution methods, and the optimal distribution method is determined according to the preheating temperature of each level of scrap steel raw material under various distribution methods. The present invention can improve the efficiency of scrap preheating and reduce power consumption.

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

RECTIFICATION OF THE PATENT REGISTER IN TERMS OF SECTION 52 OF THE PATENTS ACT 57 OF 1978

Notice is hereby given that the Registrar has ordered rectification of the patent register, in respect of South African Patent Application No. **2019/04033**, in the name of **UNIVERSITY OF KWAZULU-NATAL** by deleting the following entries**:**

(a) 09/06/2020 – Application accepted on 9/6/2020.

(b) 27/08/2020 – Patent advertised on 26-08-2020.

(c) 27/08/2020 – Patent granted on 26-08-2020.

(d) Acceptance withdrawn on 13/08/2020.

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 2023/10/23 -

A2023/01133 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. CONTROLLER WITH DISPLAY SCREEN

F2023/01135 - CONVER-TEK (PROPRIETARY) LIMITED Class 23. FITTING FOR A WATER METER HOUSING

A2023/01132 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. PORTABLE INFORMATION TERMINAL

A2023/01134 - KETO Motors Pvt. Ltd. Class 12. VEHICLES

F2023/01131 - BANDIT INDUSTRIES, INC. Class 15. TOOL BODY

F2023/01137 - CONVER-TEK (PROPRIETARY) LIMITED Class 23. BASE PLATE FOR WATER METER HOUSING

A2023/01136 - KETO Motors Pvt. Ltd. Class 12. VEHICLES

. - APPLIED ON 2023/10/25 -

A2023/01150 - FERRARI S.P.A. Class 21. TOY CAR

A2023/01140 - Flying Sourcer (Pty) Ltd Class 09. GASBOTTLE OPENER

A2023/01146 - AGULHAS GEAR IP LIMITED Class 21. DIVING MASKS

F2023/01147 - AGULHAS GEAR IP LIMITED Class 21. DIVING MASKS

A2023/01153 - FERRARI S.P.A. Class 21. TOY CAR

A2023/01142 - LVMH Swiss Manufactures SA Class 10. WATCH DIALS

A2023/01149 - FERRARI S.P.A. Class 12. CAR

A2023/01143 - AGULHAS GEAR IP LIMITED Class 21. DIVING MASKS

F2023/01148 - AGULHAS GEAR IP LIMITED Class 21. DIVING MASKS

A2023/01152 - FERRARI S.P.A. Class 12. CAR

A2023/01151 - FERRARI S.P.A. Class 12. CAR

A2023/01144 - AGULHAS GEAR IP LIMITED Class 21. DIVING MASKS

A2023/01154 - FERRARI S.P.A. Class 21. TOY CAR

A2023/01145 - AGULHAS GEAR IP LIMITED Class 21. DIVING MASKS

A2023/01138 - Enviropak (Pty) Ltd Class 09. PALLET ARRANGEMENT

F2023/01139 - Enviropak (Pty) Ltd Class 09. PALLET ARRANGEMENT

F2023/01141 - Flying Sourcer (Pty) Ltd Class 09. GASBOTTLE OPENER

. - APPLIED ON 2023/10/26 -

A2023/01155 - Cranium Medical Products (Pty) Ltd Class 6. BEDS

. - APPLIED ON 2023/10/27 -

A2023/01163 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH

A2023/01162 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH

A2023/01161 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH

A2023/01157 - VERSAH, LLC Class 24. LID FOR SURGICAL BUR KIT HOLDER

A2023/01159 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH

A2023/01174 - HS PRODUKT D.O.O. Class 22. FIREARM

A2023/01164 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH WITH INTERIOR CAPSULE

F2023/01158 - VERSAH, LLC Class 24. BASE FOR SURGICAL BUR KIT HOLDER

A2023/01156 - VERSAH, LLC Class 24. SURGICAL BUR KIT HOLDER

A2023/01166 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH WITH INTERIOR CAPSULE

A2023/01160 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH

A2023/01175 - HS PRODUKT D.O.O. Class 22. FIREARM

A2023/01173 - HS PRODUKT D.O.O. Class 22. FIREARM

A2023/01172 - HS PRODUKT D.O.O. Class 22. FIREARM

A2023/01171 - HS PRODUKT D.O.O. Class 22. FIREARM

A2023/01167 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH WITH INTERIOR CAPSULE

A2023/01165 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH WITH INTERIOR CAPSULE

A2023/01168 - PHILIP MORRIS PRODUCTS S.A. Class 27. NICOTINE POUCH WITH INTERIOR CAPSULE

A2023/01169 - LVMH Swiss Manufactures SA Class 10. WATCHES

A2023/01170 - HS PRODUKT D.O.O. Class 22. FIREARM

. - APPLIED ON 2023/10/30 -

F2023/01176 - KVP Trading (Pty) Ltd Class 32. #TEAMWESTLEIGH

F2023/01178 - MACNAUGHT PTY LTD Class 08. REEL HOUSING FOR A HOSE OR CABLE

A2023/01177 - MACNAUGHT PTY LTD Class 08. REEL HOUSING FOR A HOSE OR CABLE

. - APPLIED ON 2023/10/31 -

A2023/01180 - BIOCORP PRODUCTION S.A., à Conseil d'Administration Class 24. ADD-ON MONITORING MODULE FOR AN INJECTION PEN

F2023/01183 - GUARDIAR SOUTH AFRICA (PTY) LTD Class 25. A STIFFENING ELEMENT FOR FENCING

F2023/01179 - BIOCORP PRODUCTION S.A., à Conseil d'Administration Class 24. ADD-ON MONITORING MODULE FOR AN INJECTION PEN

A2023/01187 - Versuni Holding B.V. Class 07. COFFEE MACHINE FILTER

F2023/01185 - SAFETY CARENET (PTY) LTD Class 24. STRETCHABLE PERMEABLE BARRIER SYSTEM

F2023/01182 - GUARDIAR SOUTH AFRICA (PTY) LTD Class 25. A STIFFENING ELEMENT FOR FENCING

A2023/01184 - OLIVIER, Shane Stephen Class 23. HOLDERS FOR SOAP BARS

A2023/01186 - Versuni Holding B.V. Class 07. COFFEE MACHINE

A2023/01181 - GUARDIAR SOUTH AFRICA (PTY) LTD Class 25. A STIFFENING ELEMENT FOR FENCING

. - APPLIED ON 2023/11/01 -

A2023/01188 - CROOK, Gary Vincent Class 6. A TABLE

A2023/01189 - CROOK, Gary Vincent Class 6. A TABLE

F2023/01191 - GED 263 (VAN 180) VAALDAM SETTLEMENT (PTY) LTD Class 09. A STORAGE BOX

A2023/01190 - CROOK, Gary Vincent Class 6. A TABLE

. - APPLIED ON 2023/11/02 -

A2023/01193 - Innolife (Pty) Ltd Class 23. SOLAR WATER IONIZER

F2023/01192 - Innolife (Pty) Ltd Class 23. SOLAR WATER IONIZER

A2023/01202 - Innolife (Pty) Ltd Class 23. SOLAR WATER IONIZER

F2023/01194 - Zander Duvenage Class 32. ADPI-UFUI

. - APPLIED ON 2023/11/03 -

F2023/01195 - KLEIN, Avner Class 16. BRIDGE MOUNT FOR AN OPTICAL DEVICE

A2023/01197 - Omni United (S) PTE Ltd. Class 12. TYRES AND TYRE TREADS

F2023/01196 - Schematech (Pty) Ltd Class 8. GLASS SPIGOT

. - APPLIED ON 2023/11/06 -

A2023/01200 - Leon Ramkilawan Class 12. HEATED DELIVERY BOX

F2023/01201 - Leon Ramkilawan Class 12. HEATED DELIVERY BOX

A2023/01199 - Dieter Zermatten Class 14. UNIVERSAL PHONE HOLDER

A2023/01198 - UNILEVER GLOBAL IP LIMITED Class 7. CAPSULE

. - APPLIED ON 2023/11/07 -

A2023/01204 - TENTHOUSE STRUCTURES (PTY) LTD Class 21. A TENT

A2023/01203 - TENTHOUSE STRUCTURES (PTY) LTD Class 21. A TENT

A2023/01205 - TENTHOUSE STRUCTURES (PTY) LTD Class 21. A TENT

A2023/01206 - Crocs, Inc. Class 2. FOOTWEAR

. - APPLIED ON 2023/11/08 -

A2023/01207 - HONDA MOTOR CO., LTD. Class 12. MOTORCYCLE

A2023/01219 - Rocky Tshabela Mgiba Class 32. CON

. - APPLIED ON 2023/11/09 -

A2023/01218 - ROLEX SA Class 10. APPARATUS FOR MEASURING

A2023/01210 - Cilag GmbH International Class 24. SURGICAL STAPLER CARTRIDGES

A2023/01212 - Cilag GmbH International Class 24. SURGICAL STAPLER CARTRIDGES

A2023/01209 - Cilag GmbH International Class 24. SURGICAL STAPLER CARTRIDGES

A2023/01208 - Cilag GmbH International Class 24. SURGICAL STAPLER CARTRIDGES

A2023/01211 - Cilag GmbH International Class 24. SURGICAL STAPLER CARTRIDGES

A2023/01217 - MONTRES TUDOR SA Class 10. WATCH CASE

A2023/01214 - Cilag GmbH International Class 24. SURGICAL STAPLER CARTRIDGES

A2023/01215 - Cilag GmbH International Class 24. SURGICAL STAPLER CARTRIDGES

A2023/01216 - Cilag GmbH International Class 24. SURGICAL STAPLER CARTRIDGES

A2023/01213 - Cilag GmbH International Class 24. SURGICAL STAPLER CARTRIDGES

. - APPLIED ON 2023/11/10 -

A2023/01221 - Hyundai Motor Company, Kia Corporation Class 12. AUTOMOBILES

A2023/01220 - KUAT INNOVATIONS LLC Class 12. CANOPY FOR A BAKKIE

. - APPLIED ON 2023/11/14 -

A2023/01223 - SHUPING, Busang Meldrick Class 03. COVER FOR AN ELECTRONIC REMOTE-CONTROL

F2023/01226 - MPACT LIMITED Class 9. ARRAY OF STACKS OF SETS OF CONTAINERS

F2023/01224 - SHUPING, Busang Meldrick Class 03. COVER FOR AN ELECTRONIC REMOTE-CONTROL

F2023/01225 - MPACT LIMITED Class 9. ARRAY OF STACKS OF SETS OF CONTAINERS

A2023/01222 - UPL Mauritius Limited Class 9. CONTAINERS

. - APPLIED ON 2023/11/15 -

F2023/01227 - BECKER, Gert Stephanus Class 24. INTER-SURGICAL SCREW CONNECTING ROD

. - APPLIED ON 2023/11/16 -

A2023/01233 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 12. FRONT GRILLE FOR AN AUTOMOBILE

A2023/01234 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 12. FRONT BUMPER FOR AN AUTOMOBILE

A2023/01228 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 12. AUTOMOBILE

A2023/01230 - YETI COOLERS, LLC Class 7. MUG

A2023/01235 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 26. REAR COMBINATION LAMP FOR AN AUTOMOBILE

A2023/01232 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 26. FRONT COMBINATION LAMP FOR AN AUTOMOBILE

A2023/01236 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 12. REAR BUMPER FOR AN AUTOMOBILE

A2023/01237 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 12. INSTRUMENT PANEL FOR AN AUTOMOBILE

A2023/01229 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 26. FRONT COMBINATION LAMP FOR AN AUTOMOBILE

A2023/01231 - YETI COOLERS, LLC Class 7. MUG

A2023/01238 - TOYOTA JIDOSHA KABUSHIKI KAISHA Class 12. STEERING WHEEL FOR AN AUTOMOBILE

A2023/01239 - YETI COOLERS, LLC Class 7. MUG

. - APPLIED ON 2023/11/17 -

F2023/01243 - PLASTIC INNOVATIONS (PTY) LTD Class 8. A HOOK

A2023/01244 - FERRARA CANDY COMPANY Class 1. CONFECTION

A2023/01241 - BOSHOFF, George Stott Class 24. OCCLUSAL STOP DEVICE

F2023/01240 - BOSHOFF, George Stott Class 24. OCCLUSAL STOP DEVICE

F2023/01242 - NEMTEK HOLDINGS (PTY) LTD Class 08. TENSIONER

. - APPLIED ON 2023/11/20 -

A2023/01245 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. ELECTRONIC DEVICE

A2023/01247 - Lashify, Inc. Class 28. LASH EXTENSIONS

A2023/01246 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. ELECTRONIC DEVICE

. - APPLIED ON 2023/11/21 -

A2023/01252 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. COVER FOR ELECTRONIC DEVICE

A2023/01250 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. COVER FOR ELECTRONIC DEVICE

A2023/01249 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. COVER FOR ELECTRONIC DEVICE

A2023/01251 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. COVER FOR ELECTRONIC DEVICE

A2023/01248 - SONY INTERACTIVE ENTERTAINMENT INC. Class 14. COVER FOR ELECTRONIC DEVICE

. - APPLIED ON 2023/11/22 -

A2023/01253 - Vinfast Trading and Production Joint Stock Company Class 12. AUTOMOBILE

. - APPLIED ON 2023/11/23 -

A2023/01275 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2023/01274 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2023/01273 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2023/01272 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2023/01267 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2023/01266 - Bridgestone Europe NV/SA Class 12. TYRE TREADS

A2023/01265 - Bridgestone Europe NV/SA Class 12. TYRE TREADS

A2023/01262 - IMIRACLE (HK) LIMITED Class 27. ATOMIZER FOR AN ELECTRONIC ATOMIZING DEVICE

F2023/01261 - CRAIG DAVID DAVIES, GORDON DANIEL DAVIES Class 8. LOAD DISTRIBUTION DEVICE

A2023/01259 - GLOBAL GRINDERS PROPRIETARY LIMITED Class 7. BOTTLES WITH SIFTERS

A2023/01269 - Bridgestone Europe NV/SA Class 12. TYRE TREADS

A2023/01268 - Bridgestone Europe NV/SA Class 12. TYRE TREADS

A2023/01264 - IMIRACLE (HK) LIMITED Class 13. POWER SUPPLY FOR AN ELECTRONIC ATOMIZING DEVICE

A2023/01263 - IMIRACLE (HK) LIMITED Class 27. ELECTRONIC ATOMIZING DEVICE

F2023/01260 - CRAIG DAVID DAVIES, GORDON DANIEL DAVIES Class 8. LOAD DISTRIBUTION DEVICE

A2023/01258 - GLOBAL GRINDERS PROPRIETARY LIMITED Class 7. BOTTLES WITH SIFTERS

A2023/01254 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2023/01271 - Bridgestone Europe NV/SA Class 12. TYRE TREADS

A2023/01257 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2023/01256 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2023/01270 - Bridgestone Europe NV/SA Class 12. TYRE TREADS

A2023/01255 - Bridgestone Europe NV/SA Class 12. TYRE TREADS

. - APPLIED ON 2023/11/24 -

A2023/01276 - SERRA MANUFACTURING (PTY) LIMITED Class 23. TOILET PAPER HOLDER

A2023/01279 - PHILIP MORRIS PRODUCTS S.A. Class 27. STICK CONSUMABLES/TOBACCO BOX AND ARRANGEMENT OF STICK CONSUMABLES/TOBACCO IN BOX

A2023/01278 - PHILIP MORRIS PRODUCTS S.A. Class 27. STICK CONSUMABLES/TOBACCO BOX AND ARRANGEMENT OF STICK CONSUMABLES/TOBACCO IN BOX

A2023/01277 - SERRA MANUFACTURING (PTY) LIMITED Class 23. TOILET PAPER HOLDER

F2023/01280 - DOORS GALORE (PTY) LTD Class 25. PROFILE

CHANGE OF NAME IN TERMS OF REGULATION 24

No records available

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

No records available

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

No records available

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

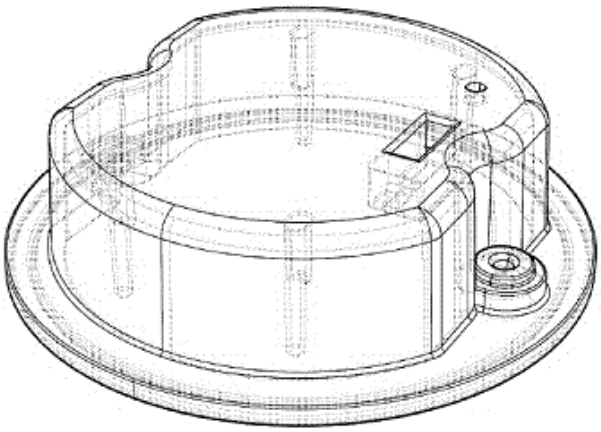
The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgement. **(23)** release date (if applicable). **(DR)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

N.B.: Date of registration (DR) is either Date of lodgement (22) or Date of convention of application (32) whichever is the earlier.

Registrar of Designs

21: A2020/00299 22: 2020-03-04 23: 2019-09-27
43: 2023-09-12
52: Class 26. 24: Part A
71: SONNENGLAS GMBH
33: EM 31: 007717210 32: 2020-02-26
54: Casing for a Solar Light
57: The design relates to a casing for a solar light. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP PERSPECTIVE VIEW

21: A2022/01310 22: 2022-10-18 23: 2022-04-19
43: 2023-10-23
52: Class 01 24: Part A
71: STAFFORDS QUALITY FOODS CC
54: INDIVIDUAL CAKE
57: The design is applied to an individual cake. 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 individual cake, substantially as illustrated in the accompanying representation. Surface shading is provided to indicate the surface character but does not form part of the design and is disclaimed.

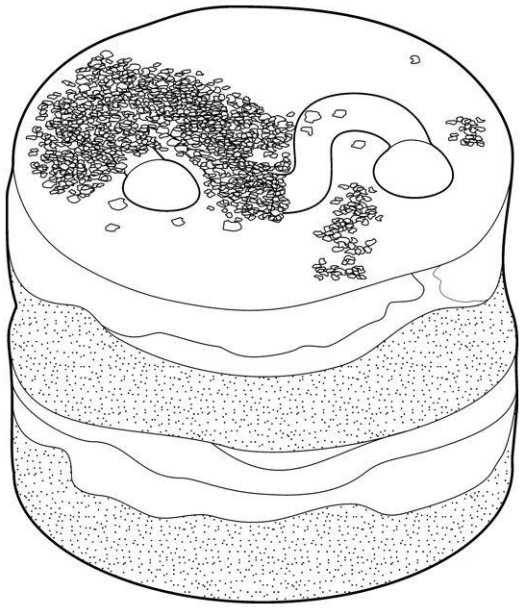


FIG. 4
THREE-DIMENSIONAL VIEW

21: A2022/01311 22: 2022-10-18 23: 2022-04-19

43: 2023-10-23
52: Class 01 24: Part A
71: STAFFORDS QUALITY FOODS CC
54: INDIVIDUAL CAKE
57: The design is applied to an individual cake. 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 individual cake, substantially as illustrated in the accompanying representation. Surface shading is provided to indicate the surface character but does not form part of the design and is disclaimed.

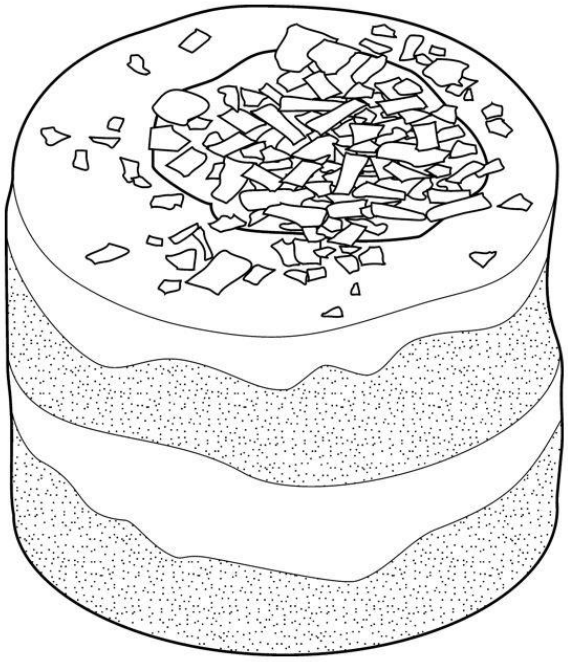


FIG. 4
THREE-DIMENSIONAL VIEW

21: A2022/01312 22: 2022-10-18 23: 2022-04-19
43: 2023-10-23
52: Class 01 24: Part A
71: STAFFORDS QUALITY FOODS CC
54: INDIVIDUAL CAKE
57: The design is applied to an individual cake. 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 individual cake, substantially as illustrated in the accompanying representation. Surface shading is provided to indicate the surface character but does not form part of the design and is disclaimed.

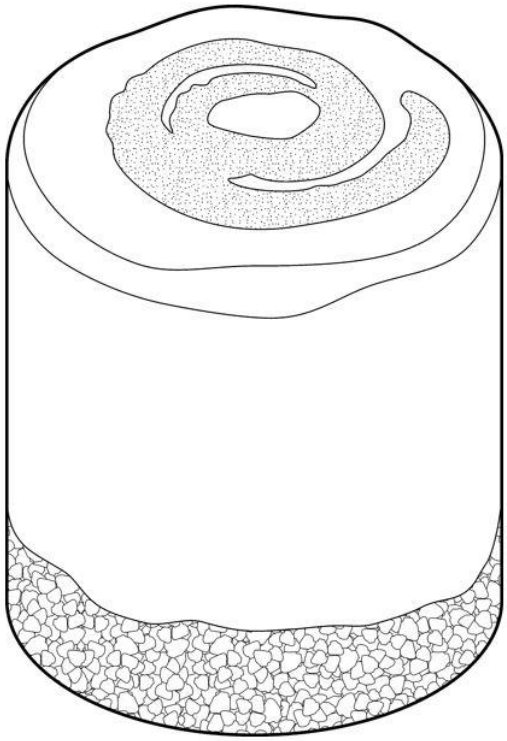


FIG. 4
THREE-DIMENSIONAL VIEW

21: A2022/01313 22: 2022-10-18 23: 2022-04-19
43: 2023-10-23
52: Class 01 24: Part A
71: STAFFORDS QUALITY FOODS CC
54: INDIVIDUAL CAKE
57: The design is applied to an individual cake. 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 individual cake, substantially as illustrated in the accompanying representation. Surface shading is provided to indicate the surface character but does not form part of the design and is disclaimed.

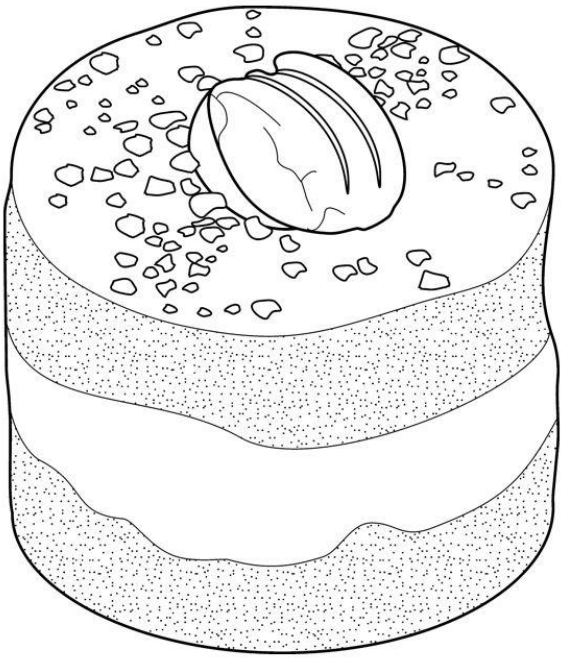


FIG. 4

THREE-DIMENSIONAL VIEW

21: A2022/01314 22: 2022-10-18 23: 2022-04-19
43: 2023-10-23
52: Class 01 24: Part A
71: STAFFORDS QUALITY FOODS CC
54: INDIVIDUAL CAKE
57: The design is applied to an individual cake. 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 individual cake, substantially as illustrated in the accompanying representation. Surface shading is provided to indicate the surface character but does not form part of the design and is disclaimed.

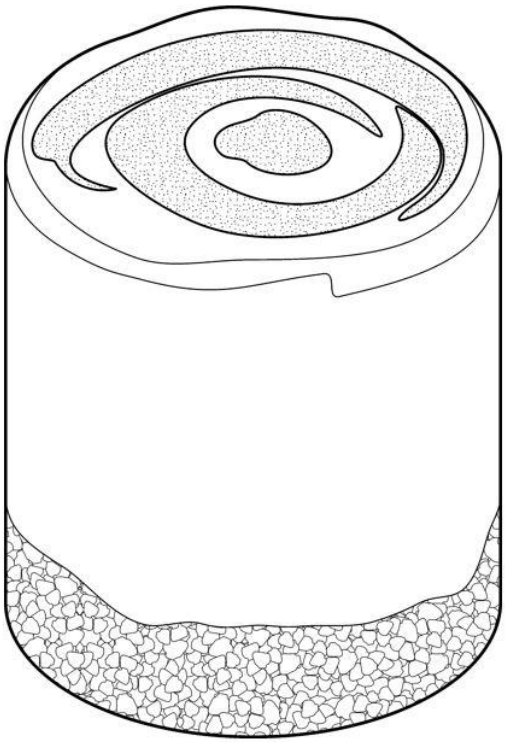


FIG. 4

THREE-DIMENSIONAL VIEW

21: A2022/01699 22: 2022-12-22 23:
43: 2023-09-12
52: Class 12. 24: Part A
71: GREAT WALL MOTOR COMPANY LIMITED
33: CN 31: 202230408338.6 32: 2022-06-30
54: Automobile
57: The design relates to an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

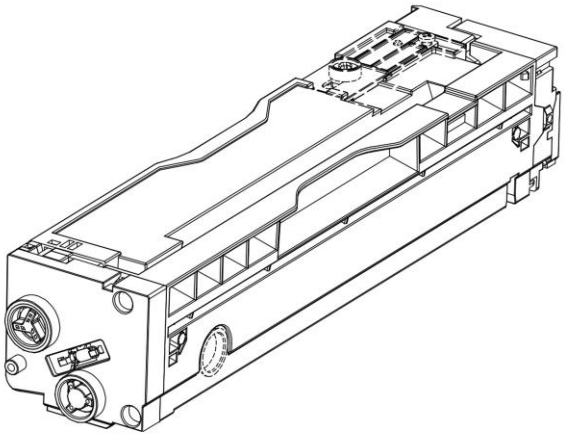
FRONT PERSPECTIVE VIEW

21: A2022/01700 22: 2022-12-22 23:
43: 2023-09-12

52: Class 12. 24: Part A
71: GREAT WALL MOTOR COMPANY LIMITED
33: CN 31: 202230408263.1 32: 2022-06-30
54: Automobile
57: The design relates to an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

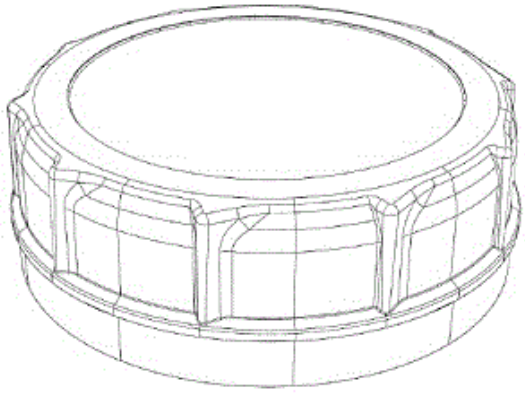
FRONT PERSPECTIVE VIEW

21: A2023/00017 22: 2023-01-03 23:
43: 2023-10-17
52: Class 14 24: Part A
71: ZHUHAI PANTUM ELECTRONICS CO., LTD.
33: CN 31: 2022304029964 32: 2022-06-28
54: PROCESSING CARTRIDGE
57: The design is applied to a processing cartridge, particularly a processing cartridge for a printer. The features of the design for which novelty is claimed are the shape and configuration of a processing cartridge, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



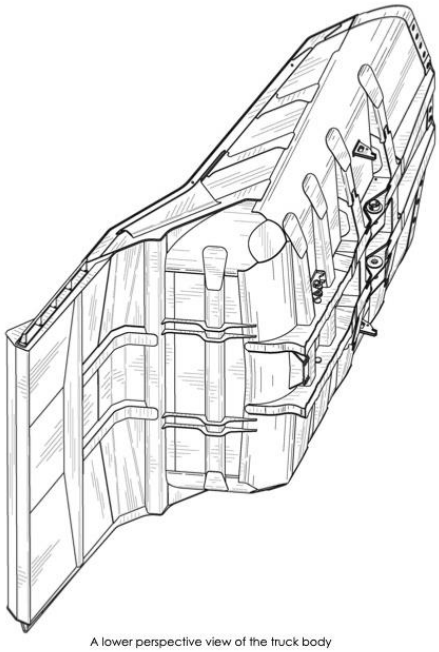
21: A2023/00078 22: 2023-01-17 23:
43: 2023-09-06

52: Class 9. 24: Part A
71: B. BRAUN AVITUM AG
33: EM 31: 009092182-0022 32: 2022-07-19
54: Cap for a Container
57: The design relates to a cap for a container. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/00147 22: 2023-02-02 23:
43: 2023-10-18
52: Class 12 24: Part A
71: Austin Engineering Limited
33: AU 31: 202214576 32: 2022-08-05
54: TRUCK BODIES
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 truck body, substantially as shown in the representations.



A lower perspective view of the truck body

21: A2023/00156 22: 2023-02-03 23:
43: 2023-09-05
52: Class 12 24: Part A
71: SMT SCHARF AFRICA (PTY) LTD
54: LOW PROFILE - ELECTRICALLY POWERED TRANSPORTATION MINING VEHICLE
57: The design is in respect of a low profile electrically powered transportation mining vehicle.

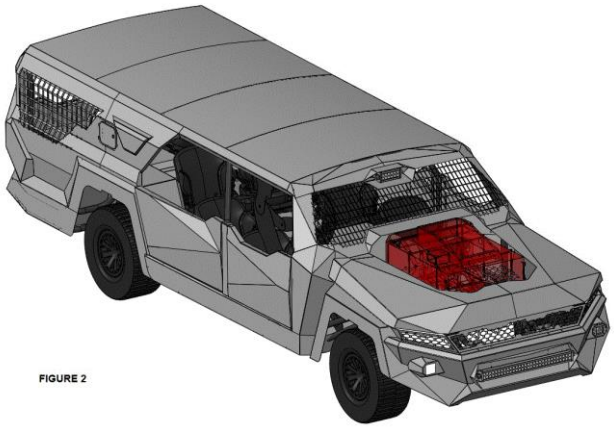
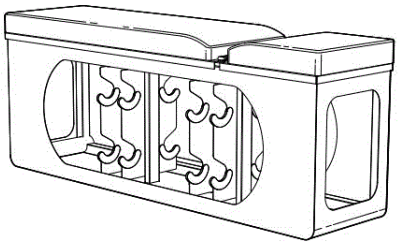


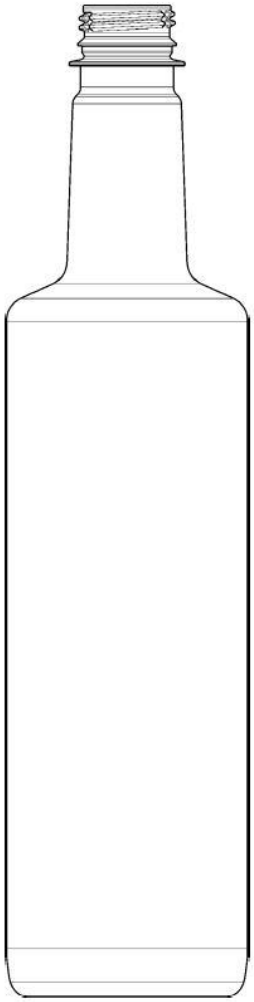
FIGURE 2

21: A2023/00180 22: 2023-02-13 23:
43: 2023-10-17
52: Class 21 24: Part A
71: RETAIL ASSOCIATES (PTY) LTD
54: EXERCISING APPARATUS
57: The design relates to an exercising apparatus. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

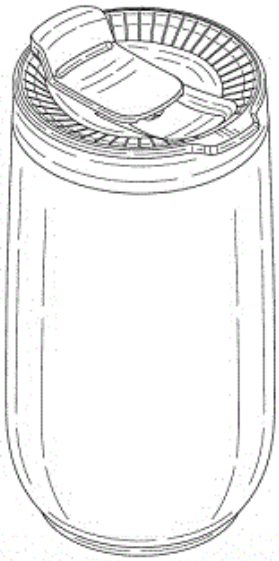


FIRST PERSPECTIVE VIEW

21: A2023/00185 22: 2023-02-13 23:
43: 2023-09-05
52: Class 09 24: Part A
71: SIR FRUIT (PTY) LTD
54: A BOTTLE
57: The design is applied to a bottle. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the bottle, substantially as illustrated in the accompanying representation.

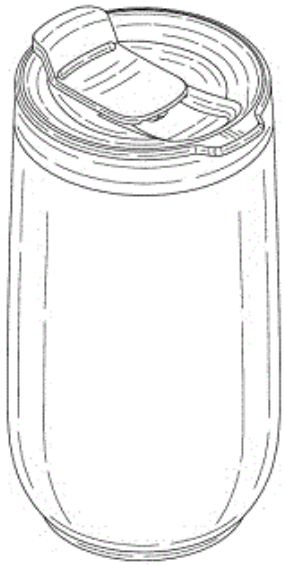


21: A2023/00188 22: 2023-02-13 23:
43: 2023-09-06
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/851,370 32: 2022-08-27
54: Drinking Tumbler with a Cover
57: The design relates to a drinking tumbler with a cover. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00189 22: 2023-02-13 23:
43: 2023-09-05
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.



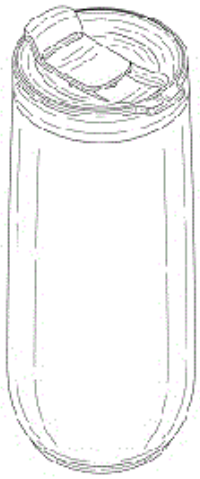
TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00190 22: 2023-02-13 23:
43: 2023-09-05
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

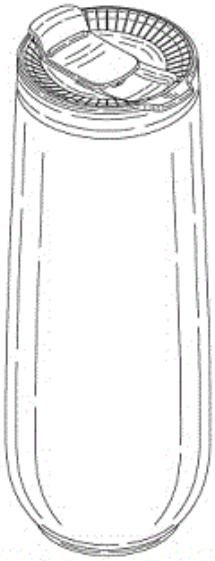
21: A2023/00191 22: 2023-02-13 23:
43: 2023-09-05

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.



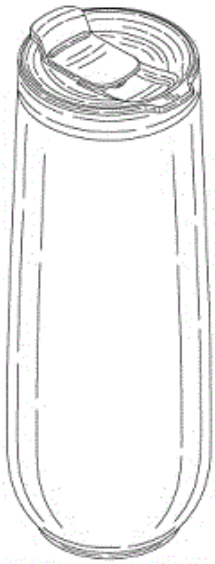
TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00192 22: 2023-02-13 23:
43: 2023-09-05
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

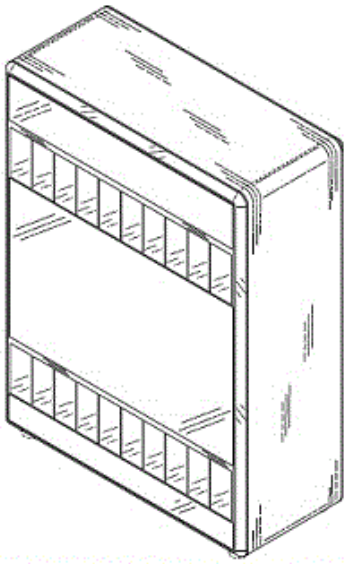
21: A2023/00193 22: 2023-02-13 23:
43: 2023-09-05
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/851,370 32: 2022-08-27
54: Drinking Tumbler with a Cover
57: The design relates to a drinking tumbler with a cover. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

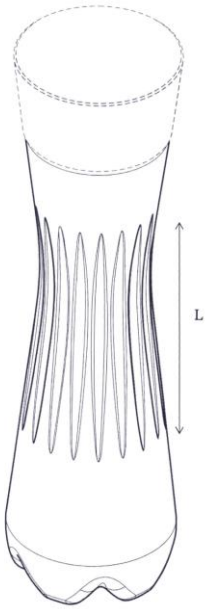
21: A2023/00194 22: 2023-02-13 23:
43: 2023-09-05
52: Class 24. 24: Part A
71: CEPHEID

33: US 31: 29/865,799 32: 2022-08-12
54: Diagnostic Assay System
57: The design relates to a diagnostic assay system. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

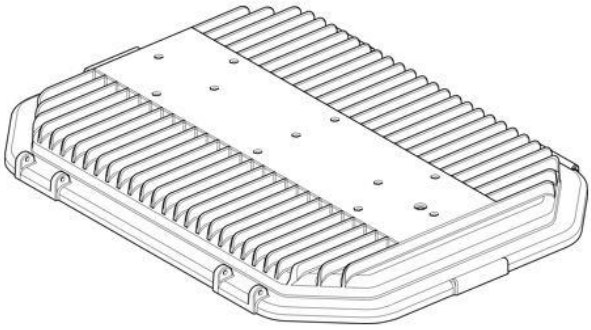


FRONT PERSPECTIVE VIEW

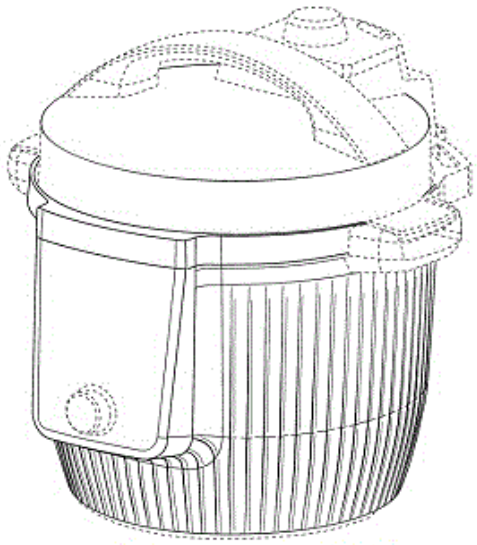
21: A2023/00200 22: 2023-02-15 23:
43: 2023-09-05
52: Class 09 24: Part A
71: FORTIS X (PTY) LTD
54: CONTAINER B
57: The features for which protection is claimed reside in the shape and/or pattern and/or configuration and/or ornamentation of a container which includes longitudinally extending ribs, as shown in the accompanying drawings, irrespective of the features indicated in broken lines. The length of the ribs “L” is variable.



21: A2023/00202 22: 2023-02-16 23:
43: 2023-09-05
52: Class 26 24: Part A
71: GERALD JOSEPH DESIGN CC
54: COMPONENT FOR A LIGHT FITTING
57: The design is applied to a component for a light fitting. 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 component for a light fitting, substantially as illustrated in the accompanying representations.

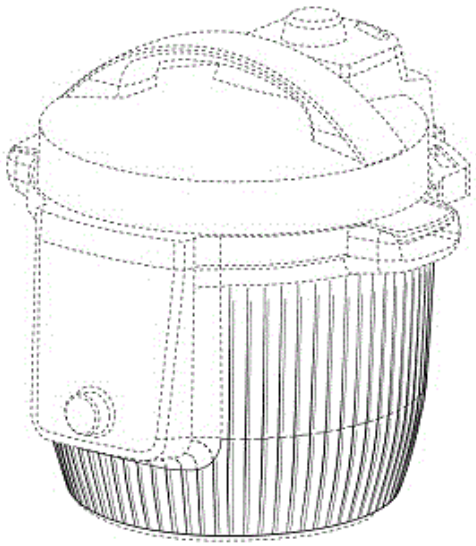


21: A2023/00205 22: 2023-02-17 23:
43: 2023-09-05
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,088 32: 2022-09-13
54: Cooking Appliance
57: The design relates to a cooking appliance. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



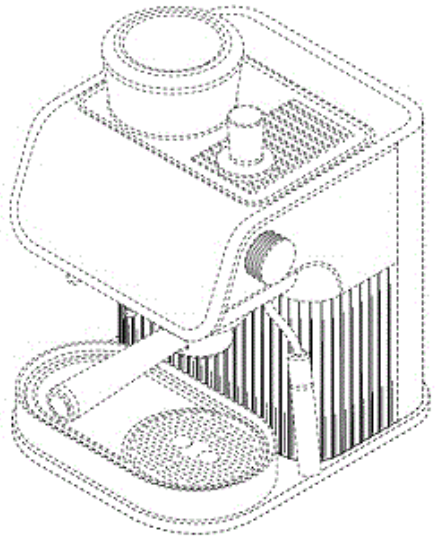
PERSPECTIVE VIEW

21: A2023/00206 22: 2023-02-17 23:
43: 2023-09-05
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,091 32: 2022-09-13
54: Cooking Appliance Housing
57: The design relates to a cooking appliance housing. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



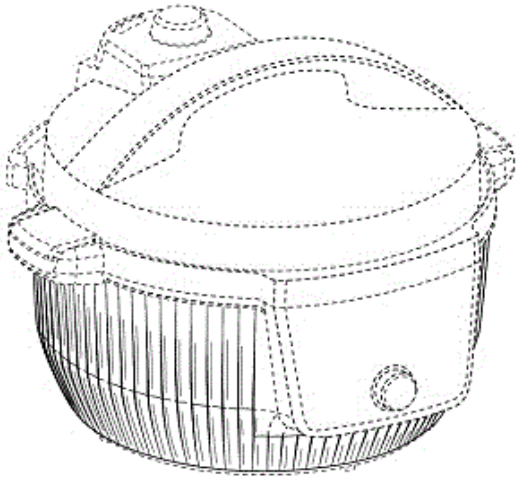
PERSPECTIVE VIEW

21: A2023/00207 22: 2023-02-17 23:
43: 2023-09-05
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,074 32: 2022-09-13
54: Brewing Device
57: The design relates to a brewing device. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/00208 22: 2023-02-17 23:
43: 2023-09-05
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,079 32: 2022-09-13
54: Cooking Appliance
57: The design relates to a cooking appliance. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

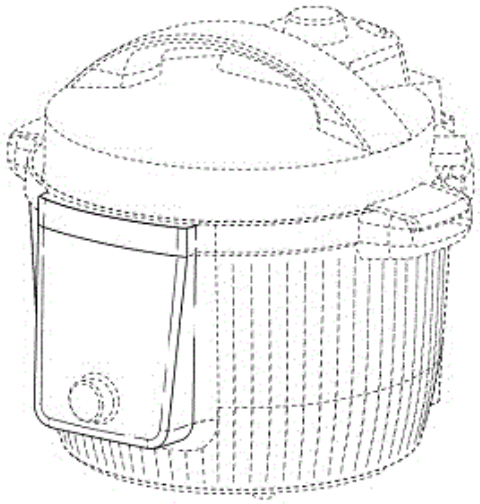


PERSPECTIVE VIEW

21: A2023/00209 22: 2023-02-17 23:
43: 2023-09-05
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,069 32: 2022-09-13
54: Air Fryer
57: The design relates to an air fryer. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

PERSPECTIVE VIEW

21: A2023/00210 22: 2023-02-17 23:
43: 2023-09-12
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,092 32: 2022-09-13
54: Cooking Appliance User Interface
57: The design relates to a cooking appliance user interface. The features of the design are those of shape and/or configuration and/or ornamentation.

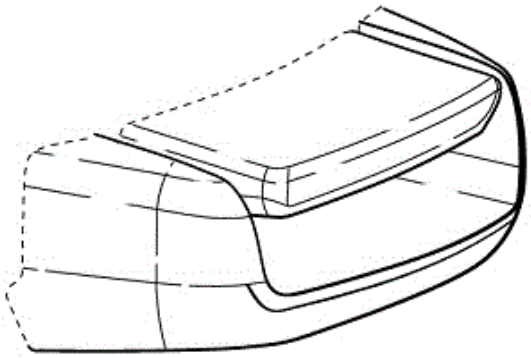


PERSPECTIVE VIEW

21: A2023/00211 22: 2023-02-17 23:
43: 2023-09-05
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,093 32: 2022-09-13
54: Cooking Appliance Handle
57: The design relates to a cooking appliance handle. The features of the design are those of shape and/or configuration and/or ornamentation.

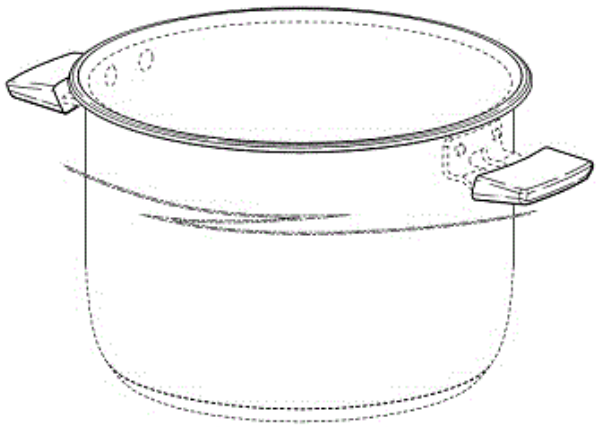
PERSPECTIVE VIEW

21: A2023/00212 22: 2023-02-17 23:
43: 2023-09-05
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,098 32: 2022-09-13
54: Handles for a Cooking Appliance
57: The design relates to handles for a cooking appliance. The features of the design are those of shape and/or configuration and/or ornamentation.



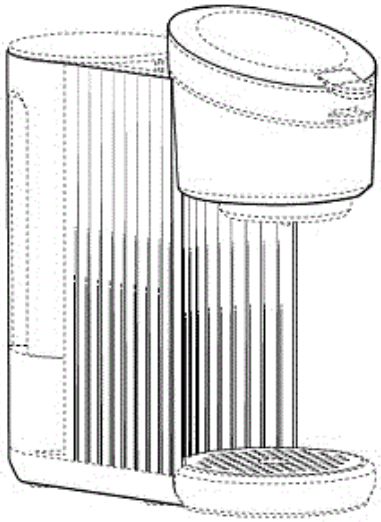
PERSPECTIVE VIEW

21: A2023/00213 22: 2023-02-17 23:
43: 2023-09-06
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,070 32: 2022-09-13
54: Pot for a Cooking Appliance
57: The design relates to a pot for a cooking appliance. The features of the design are those of shape and/or configuration and/or ornamentation.



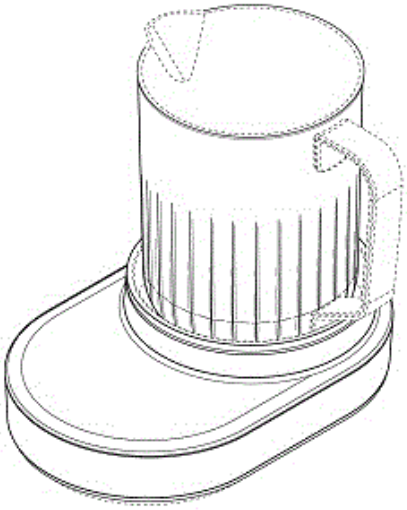
PERSPECTIVE VIEW

21: A2023/00214 22: 2023-02-17 23:
43: 2023-09-06
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,075 32: 2022-09-13
54: Brewing Device
57: The design relates to a brewing device. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

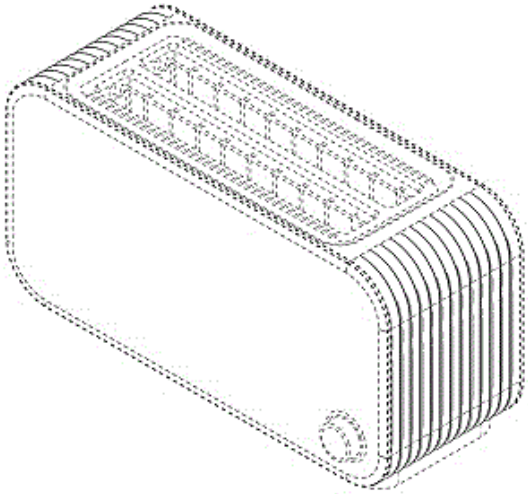
21: A2023/00215 22: 2023-02-17 23:
43: 2023-09-06
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,076 32: 2022-09-13
54: Beverage Frother
57: The design relates to a beverage frother. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

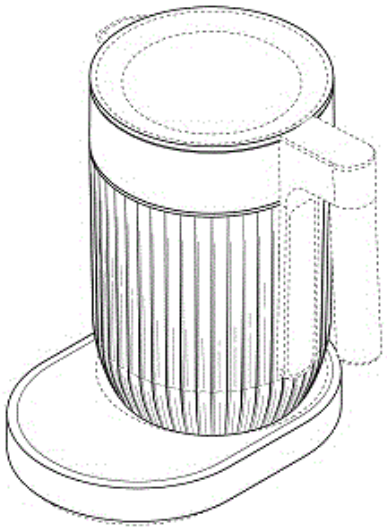
21: A2023/00216 22: 2023-02-17 23:

43: 2023-09-06
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,100 32: 2022-09-13
54: Toaster
57: The design relates to a toaster. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



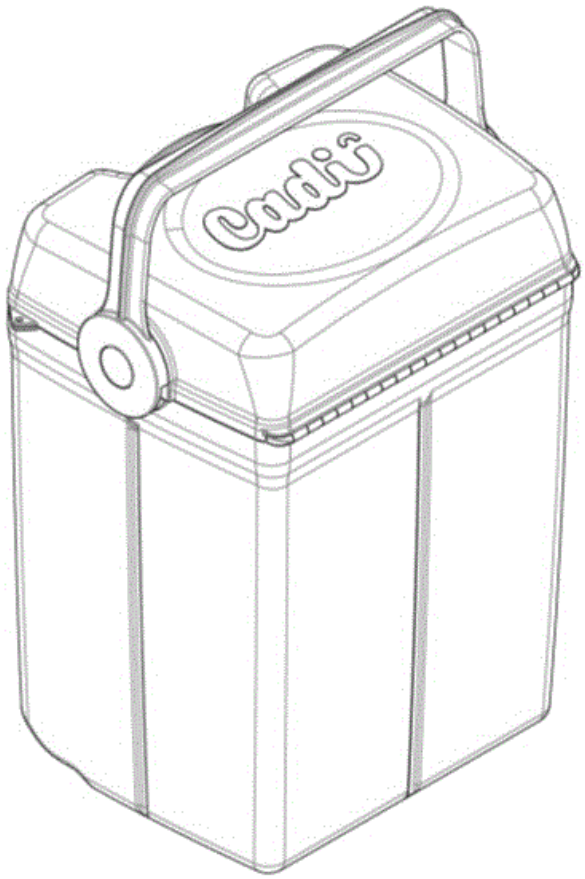
PERSPECTIVE VIEW

21: A2023/00217 22: 2023-02-17 23:
43: 2023-09-06
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/853,082 32: 2022-09-13
54: Beverage Kettle
57: The design relates to a beverage kettle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

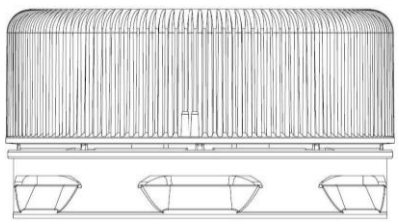


PERSPECTIVE VIEW

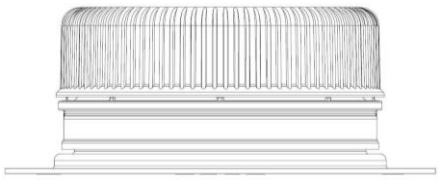
21: A2023/00219 22: 2023-02-20 23:
43: 2023-09-12
52: Class 3 24: Part A
71: CADii DEVELOPMENTS
54: TROLLEY CONTAINER
57: The design relates to a trolley container. The features of the design are those of shape and/or configuration. Protection is not claimed for the marking “Cadii”.



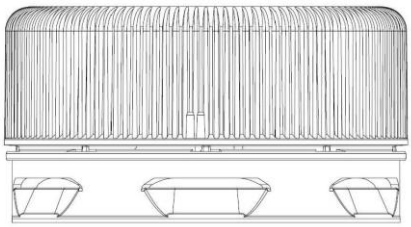
21: A2023/00224 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



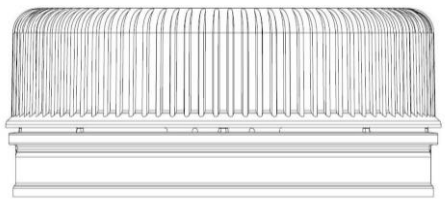
21: A2023/00227 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



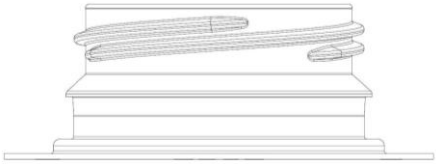
21: A2023/00229 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



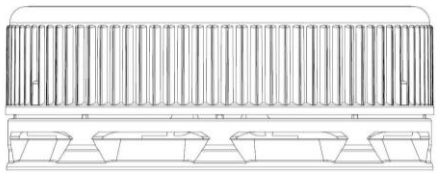
21: A2023/00231 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



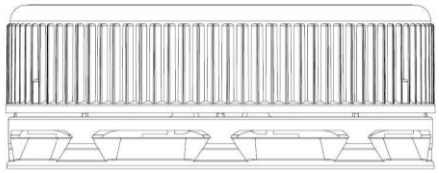
21: A2023/00234 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



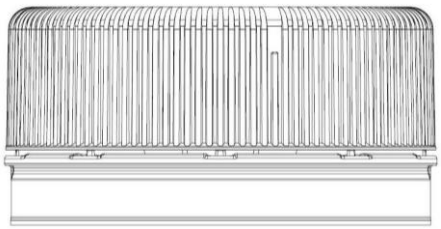
21: A2023/00236 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



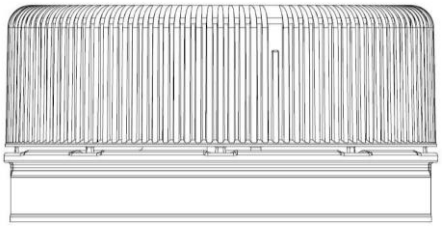
21: A2023/00238 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



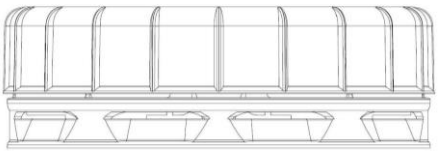
21: A2023/00240 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



21: A2023/00242 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

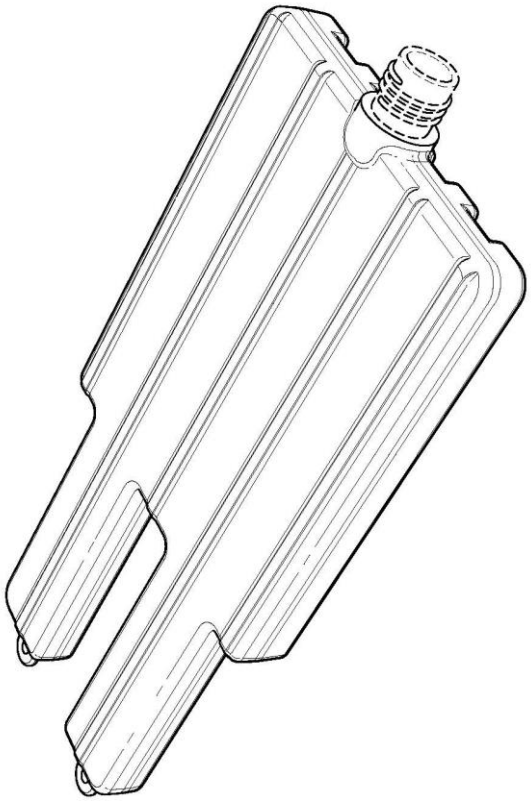


21: A2023/00244 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part A
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

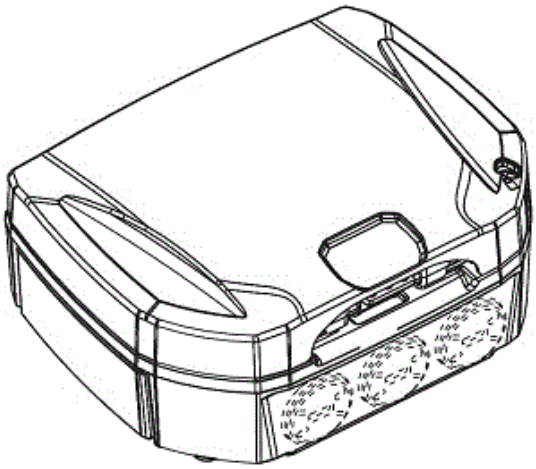


21: A2023/00246 22: 2023-02-22 23:
43: 2023-10-18
52: Class 09 24: Part A
71: Polyoak Packaging (Pty) Ltd
54: PULL TAB
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

21: A2023/00261 22: 2023-02-22 23:
43: 2023-10-17
52: Class 09 24: Part A
71: MAGNETO IP HOLDINGS (PTY) LTD
54: BOTTLE
57: The features of the design for which protection is claimed include the shape and/or configuration of the BOTTLE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2023/00280 22: 2023-02-27 23: 2022-09-01
43: 2023-09-06
52: Class 13. 24: Part A
71: ALLBRO (PTY) LTD
54: Enclosure
57: The design relates to an enclosure. The features of the design are those of shape and/or configuration and/or ornamentation.

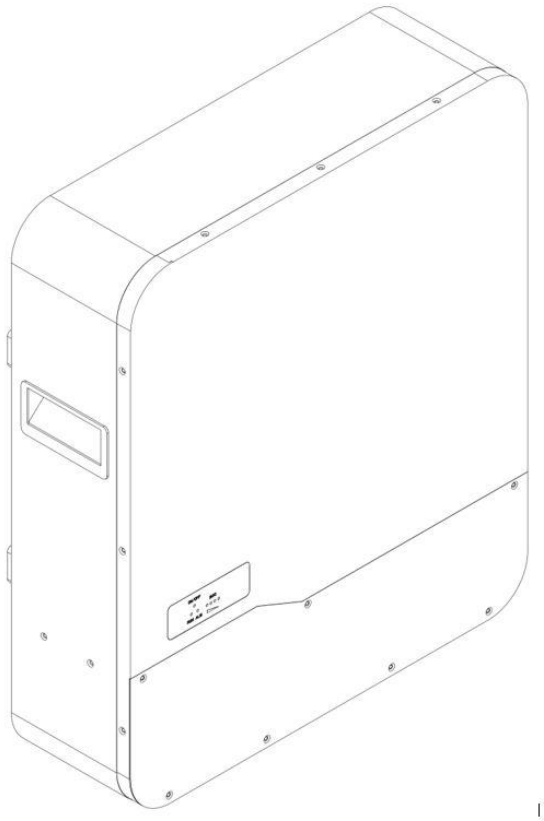


LEFT FRONT PERSPECTIVE VIEW

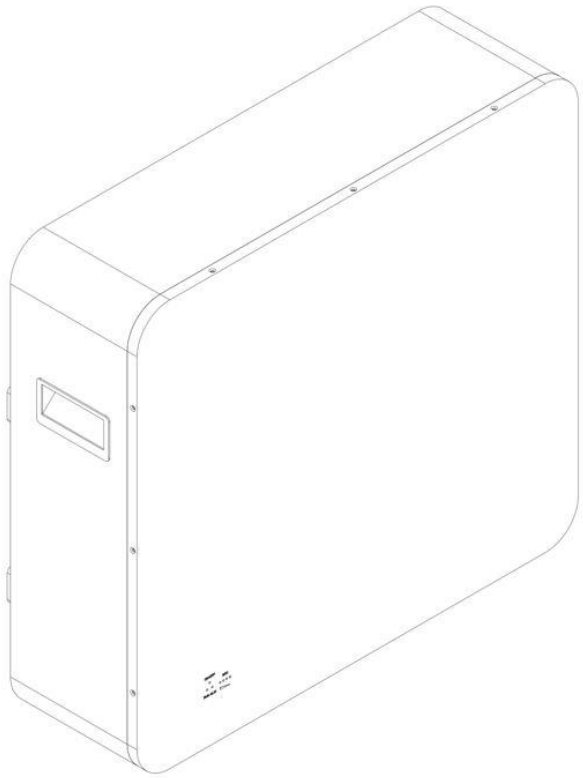
21: A2023/00321 22: 2023-03-02 23: 2022-10-13
43: 2023-10-18
52: Class 32 24: Part A
71: HJD PRINTERS AND MINING SUPPLIES (PTY) LTD
54: WARNING SIGNS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration and/or ornamentation of a warning sign, substantially as shown in the representations. The specific width and height of the warning sign, as shown, may vary from application and are disclaimed.

Illustrative view of a warning sign

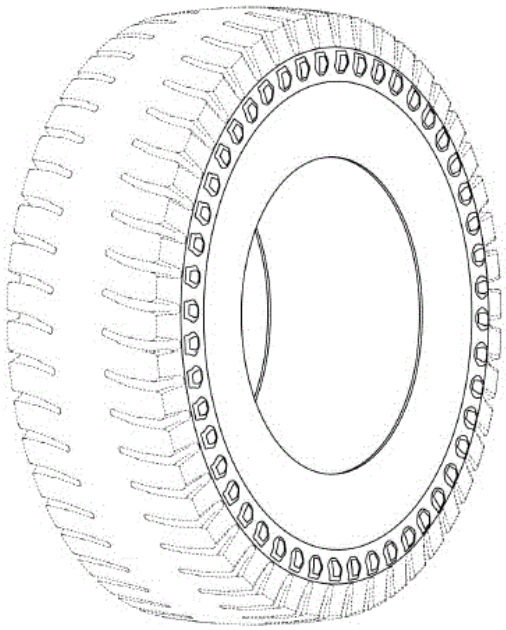
21: A2023/00357 22: 2023-03-10 23: 2022-09-10
43: 2023-10-17
52: Class 13 24: Part A
71: Hubble Lithium (Pty) Ltd
54: BATTERY ENCLOSURE
57: The design is applied to a battery enclosure. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the battery enclosure, substantially as illustrated in the accompanying representation.



21: A2023/00359 22: 2023-03-10 23: 2022-09-10
43: 2023-10-17
52: Class 13 24: Part A
71: Hubble Lithium (Pty) Ltd
54: BATTERY ENCLOSURE
57: The design is applied to a battery enclosure. 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 battery enclosure, substantially as illustrated in the accompanying representation.

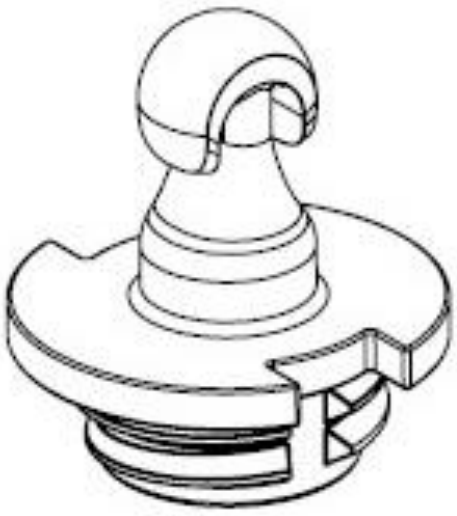


21: A2023/00368 22: 2023-03-15 23:
43: 2023-10-17
52: Class 12 24: Part A
71: COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
33: EU 31: 009197593 32: 2022-10-05
54: A TYRE FOR HEAVY VEHICLES
57: The design is to be applied to a tyre for heavy vehicles. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.



PERSPECTIVE VIEW

21: A2023/00378 22: 2023-03-17 23: 2022-09-19
43: 2023-10-18
52: Class 08 24: Part A
71: WOLTEMADE (PTY) LTD
54: MALE CLIP
57: The features of the design for which protection is claimed include the shape and/or configuration of a MALE CLIP substantially as illustrated in the accompanying representations.

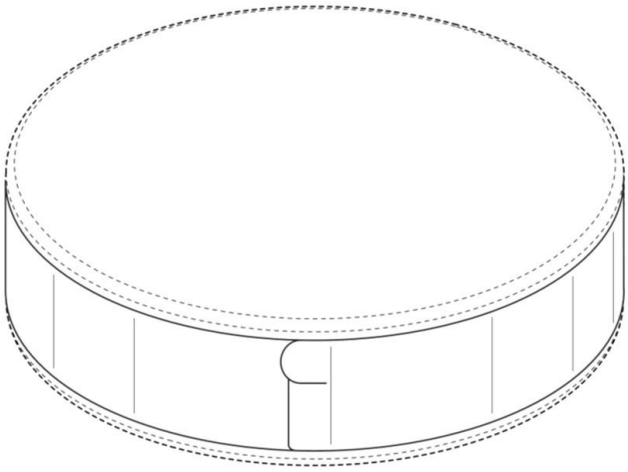


21: A2023/00380 22: 2023-03-17 23: 2022-09-19

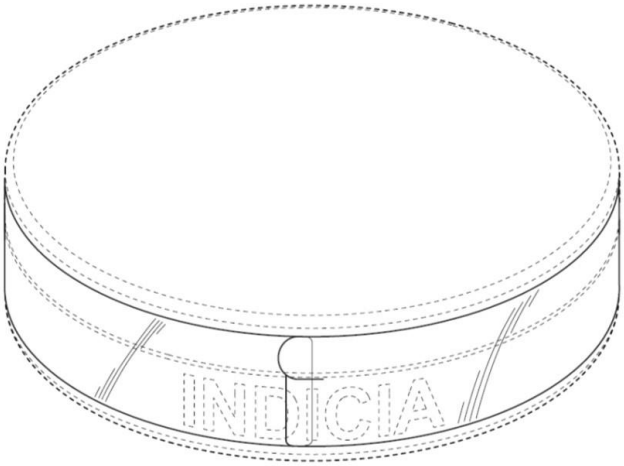
43: 2023-10-17
52: Class 08 24: Part A
71: WOLTEMADE (PTY) LTD
54: MALE CLIP
57: The features of the design for which protection is claimed include the shape and/or configuration of a MALE CLIP substantially as illustrated in the accompanying representations.

21: A2023/00384 22: 2023-03-17 23: 2022-09-19
43: 2023-10-18
52: Class 08 24: Part A
71: WOLTEMADE (PTY) LTD
54: FEMALE CLIP
57: The features of the design for which protection is claimed include the shape and/or configuration of a FEMALE CLIP substantially as illustrated in the accompanying representations.

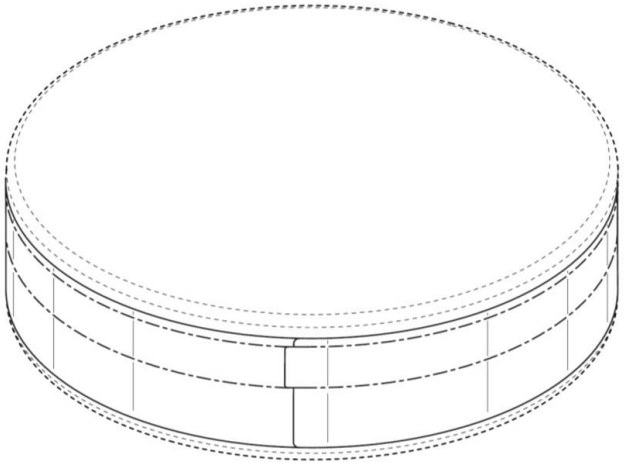
21: A2023/00405 22: 2023-03-31 23:
43: 2023-10-17
52: Class 09 24: Part A
71: NICOVENTURES TRADING LIMITED
33: US 31: 29/855,442 32: 2022-10-03
54: SEALING MEMBER
57: The design is applied to a sealing member. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the sealing member, substantially as illustrated in the accompanying representation. Contour lines are provided to indicate contours but do not form part of the design and are disclaimed. Features shown in broken lines do not form part of the design and are also disclaimed.



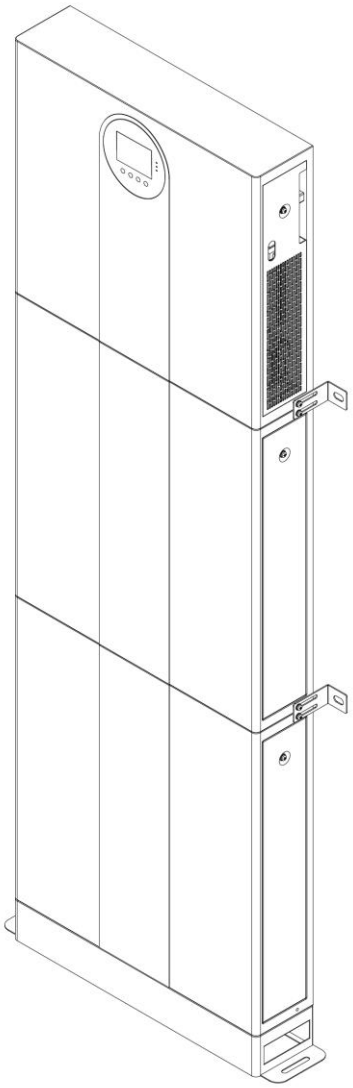
21: A2023/00406 22: 2023-03-31 23:
43: 2023-10-17
52: Class 09 24: Part A
71: NICOVENTURES TRADING LIMITED
33: US 31: 29/855,442 32: 2022-10-03
54: SEALING MEMBER
57: The design is applied to a transparent sealing member. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the sealing member, substantially as illustrated in the accompanying representation. Contour lines are provided to indicate contours but do not form part of the design and are disclaimed. Features shown in broken lines as well as the textual matter appearing on the sealing member do not form part of the design and are also disclaimed.



21: A2023/00407 22: 2023-03-31 23:
43: 2023-10-17
52: Class 09 24: Part A
71: NICOVENTURES TRADING LIMITED
33: US 31: 29/855,442 32: 2022-10-03
54: SEALING MEMBER
57: The design is applied to a sealing member. 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 sealing member, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading lines are provided to indicate the surface character and contours but do not form part of the design and are disclaimed. Features shown in dash-dash broken lines do not form part of the design and are also disclaimed. Features shown in dash-dot-dash broken lines indicate the presence of perforations in the sealing member.

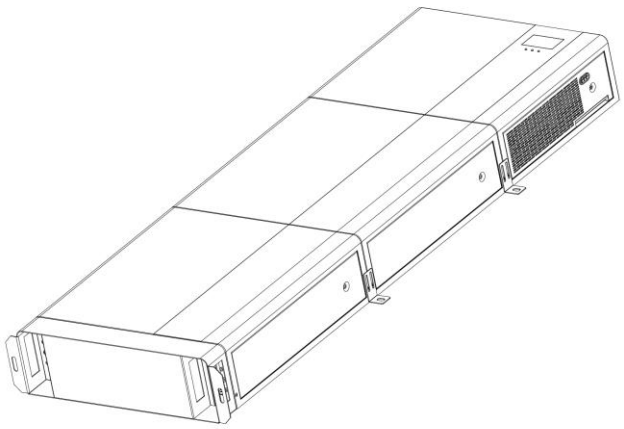


21: A2023/00820 22: 2023-07-20 23:
43: 2023-11-13
52: Class 13 24: Part A
71: SRNE Solar Co., Ltd
33: CN 31: 202330244615.9 32: 2023-04-27
54: ENERGY STORAGE SYSTEM
57: The design is to be applied to an energy storage system. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.

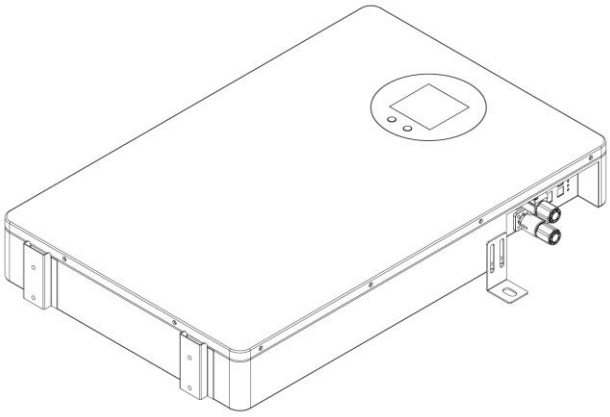


21: A2023/00821 22: 2023-07-20 23:
43: 2023-11-13
52: Class 13 24: Part A
71: SRNE Solar Co., Ltd
33: CN 31: 202330244610.6 32: 2023-04-27
54: ENERGY STORAGE SYSTEM
57: The design is to be applied to an energy storage system. The features for which protection is claimed

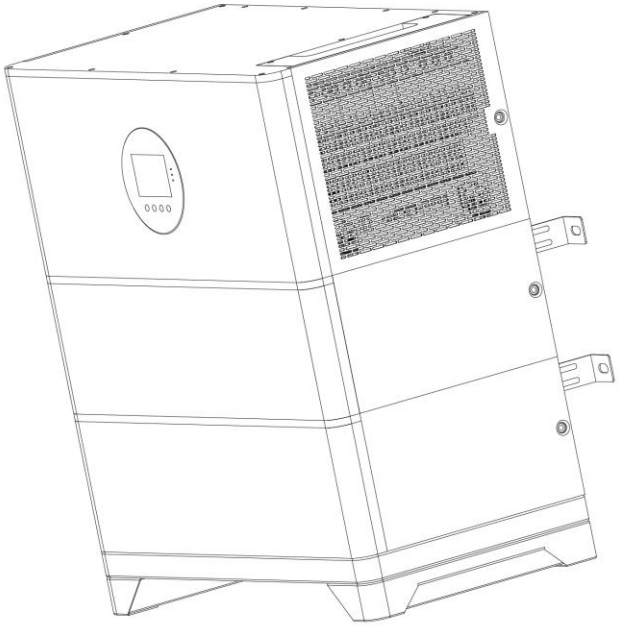
are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



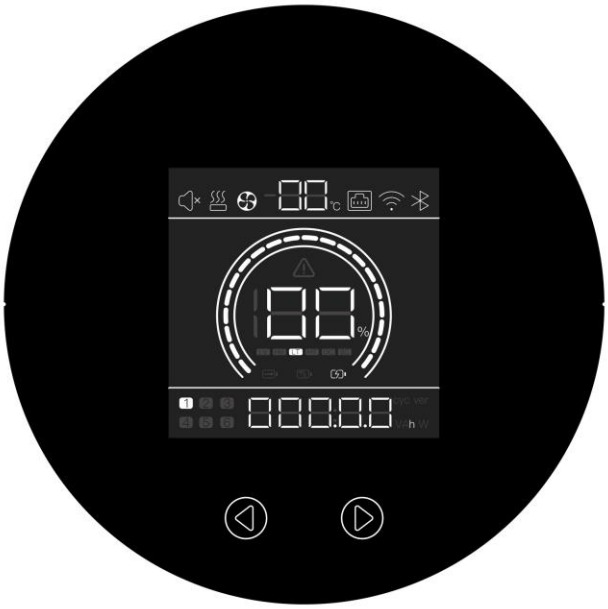
21: A2023/00822 22: 2023-07-20 23:
43: 2023-11-13
52: Class 13 24: Part A
71: SRNE Solar Co., Ltd
33: CN 31: 202330221927.8 32: 2023-04-20
54: BATTERY
57: The design is to be applied to a battery. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



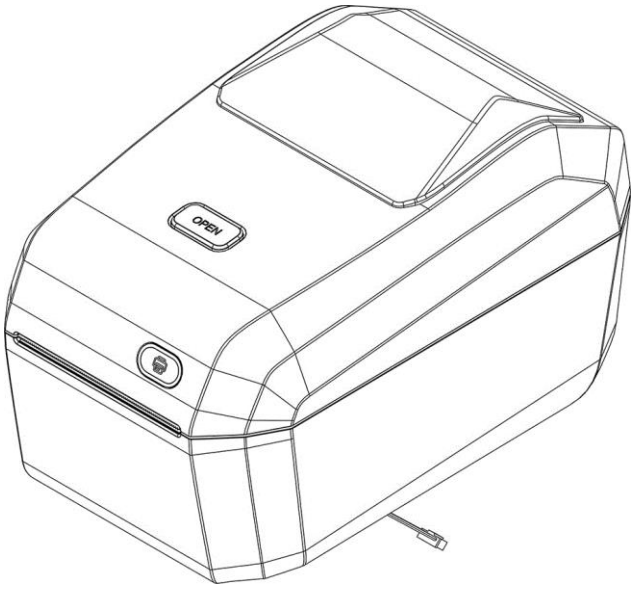
21: A2023/00823 22: 2023-07-20 23:
43: 2023-11-13
52: Class 13 24: Part A
71: SRNE Solar Co., Ltd
33: CN 31: 202330244609.3 32: 2023-04-27
54: ENERGY STORAGE SYSTEM
57: The design is to be applied to an energy storage system. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



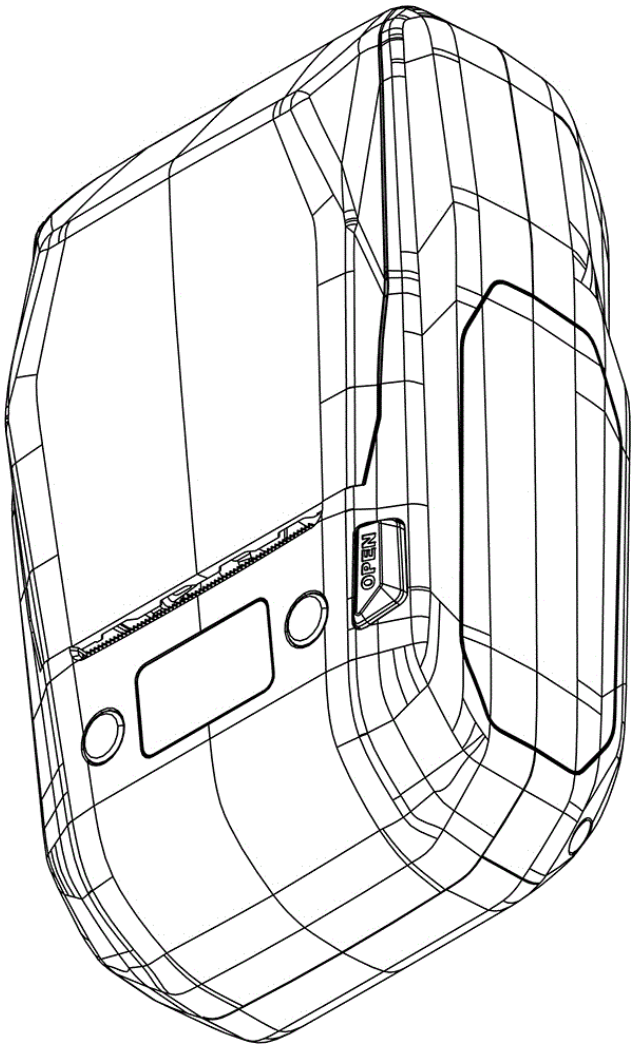
21: A2023/00824 22: 2023-07-20 23:
43: 2023-11-13
52: Class 13 24: Part A
71: SRNE Solar Co., Ltd
33: CN 31: 202330218241.3 32: 2023-04-19
54: GRAPHICAL USER INTERFACE FOR DISPLAYING STATUS INFORMATION ON A DISPLAY SCREEN PANEL FOR AN ENERGY STORAGE SYSTEM
57: The design is to be applied to a display screen panel for an energy storage system. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2023/00893 22: 2023-08-10 23:
43: 2023-10-02
52: Class 14 24: Part A
71: Wuhan Jingchen Intelligent Identification Technology Co.,Ltd.
33: CN 31: 2023300568255 32: 2023-02-17
54: PRINTER
57: The design relates to a Printer. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.

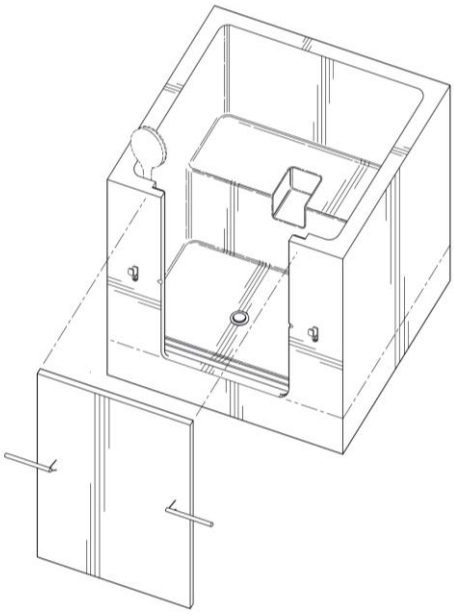


21: A2023/01009 22: 2023-09-15 23:
43: 2023-10-12
52: Class 14 24: Part A
71: Wuhan Jingchen Intelligent Identification Technology Co.,Ltd.
33: CN 31: 2023302023972 32: 2023-04-13
54: PRINTER
57: The design relates to a Printer. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



21: F2022/00709 22: 2022-06-23 23:
43: 2023-09-12
52: Class 23 24: Part F
71: HEILWASSER (Pty) Ltd
54: BATHTUBS
57: The design is for a bathtub, configured to allow a user to walk into the bathtub. The bathtub is generally square shaped, having a base, a front wall, a rear wall and two side walls extending perpendicularly upwards from the base, defining an inside space of the bathtub. The two side walls and the rear wall is solid. The front wall is partially cut

out to provide an entrance to the bathtub. A removable door is shaped and configured to interact with the cut out of the front wall to provide a watertight seal whenever the door is placed in the entrance. The door is secured to the front wall using a hook and latch system. A raised bench is located towards the rear wall. The bench includes a sunken area towards the middle of the bench, dimensioned to allow a showerhead to placed therein to facilitate washing from below.

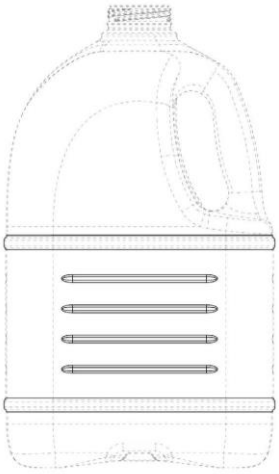


Three-dimensional illustrative front view of walk-in bath tub

21: F2022/01216 22: 2022-10-07 23:
43: 2023-09-12
52: Class 8. 24: Part F
71: PLASTIC INNOVATIONS (PTY) LTD
54: A Detonator Holder
57: The design relates to a detonator holder. The features of the design are those of shape and/or configuration.

PERSPECTIVE VIEW

21: F2023/00124 22: 2023-01-27 23:
43: 2023-08-14
52: Class 09 24: Part F
71: Polyoak Packaging (Pty) Ltd
54: BOTTLE
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



21: F2023/00155 22: 2023-02-03 23:
43: 2023-09-05
52: Class 12 24: Part F
71: SMT SCHARF AFRICA (PTY) LTD

54: LOW PROFILE - ELECTRICALLY POWERED TRANSPORTATION MINING VEHICLE

57: The design is in respect of a low profile electrically powered transportation mining vehicle which has a front end with a battery compartment protruding upwards and a bonnet covering the battery compartment which is shaped and dimension complementarily to the shape of a battery therein.

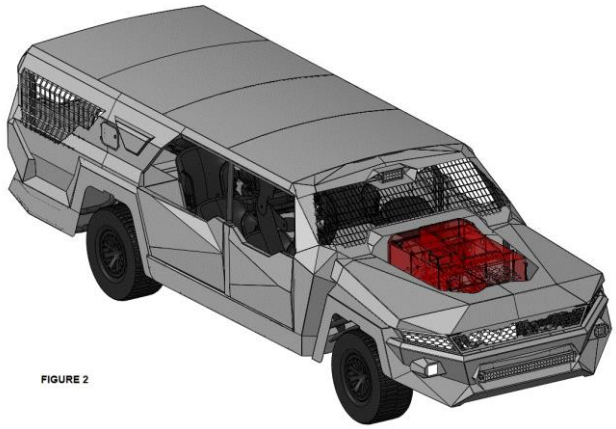
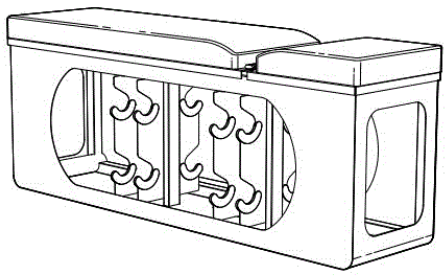


FIGURE 2

21: F2023/00181 22: 2023-02-13 23:
43: 2023-10-17
52: Class 21 24: Part F
71: RETAIL ASSOCIATES (PTY) LTD

54: EXERCISING APPARATUS

57: The design relates to an exercising apparatus. The features of the design are those of shape and/or configuration and/or pattern.

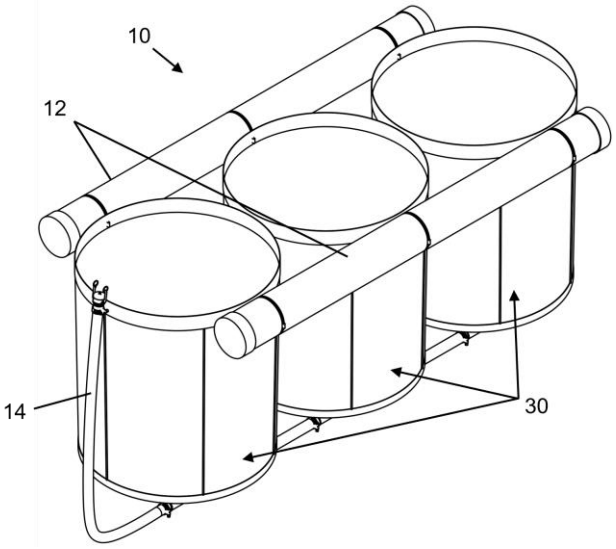


FIRST PERSPECTIVE VIEW

21: F2023/00196 22: 2023-02-14 23:
43: 2023-09-05
52: Class 23 24: Part F
71: Daphne Water Solutions Limited

54: WATER FILTRATION DEVICE

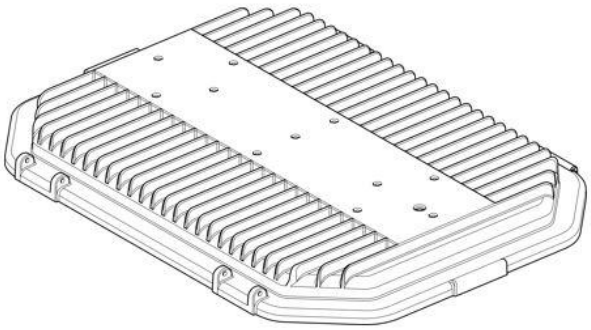
57: The design is applied to a water filtration device. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the water filtration device (10), substantially as illustrated in the accompanying representation, regardless of the overall length and number of individual water filtration units (30) included in the water filtration device (10).



21: F2023/00203 22: 2023-02-16 23:
43: 2023-09-05
52: Class 26 24: Part F
71: GERALD JOSEPH DESIGN CC

54: COMPONENT FOR A LIGHT FITTING

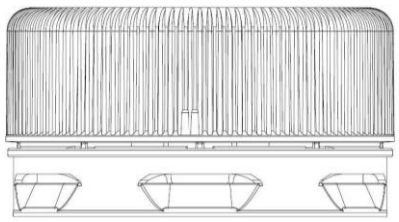
57: The design is applied to a component for a light fitting. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the component for a light fitting, substantially as illustrated in the accompanying representations.



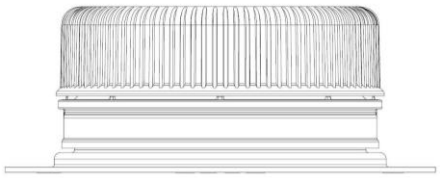
21: F2023/00226 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09

54: BOTTLE CAP

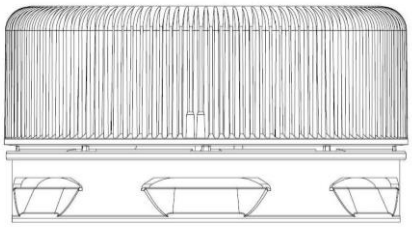
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



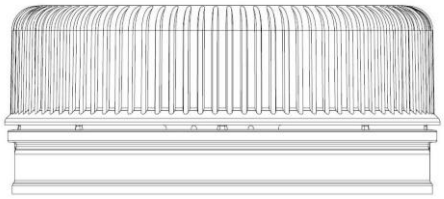
21: F2023/00228 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



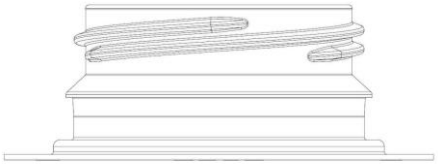
21: F2023/00230 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



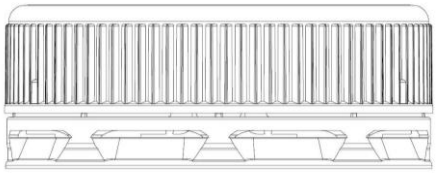
21: F2023/00232 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



21: F2023/00233 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

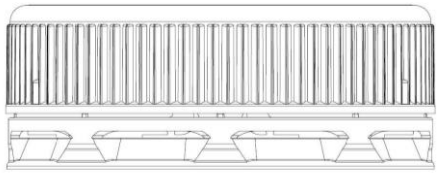


21: F2023/00237 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

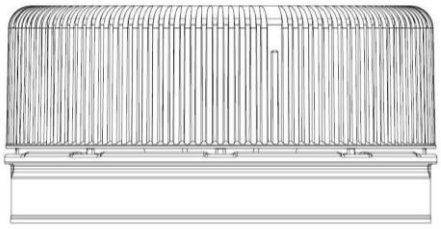


21: F2023/00239 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F

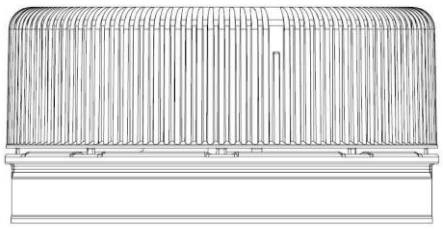
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



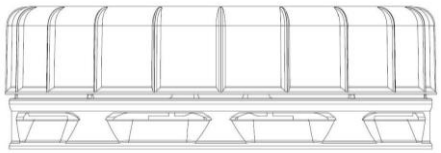
21: F2023/00241 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



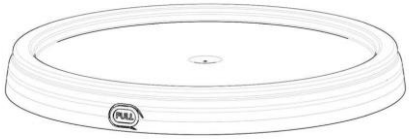
21: F2023/00243 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



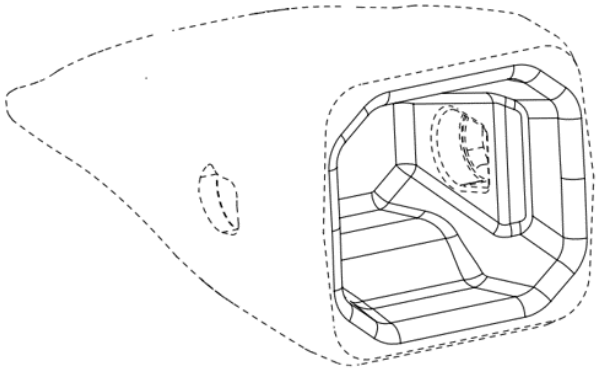
21: F2023/00245 22: 2023-02-21 23:
43: 2023-10-16
52: Class 09 24: Part F
71: ALPLA Werke Alwin Lehner GmbH & Co. KG
33: CH 31: 146920 32: 2022-09-09
54: BOTTLE CAP
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



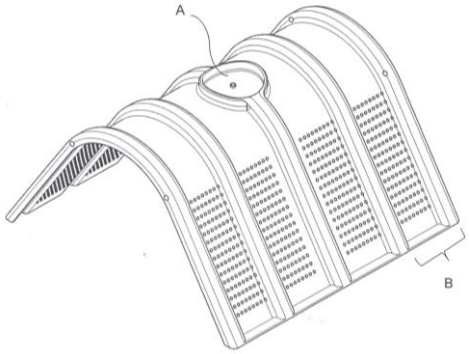
21: F2023/00247 22: 2023-02-22 23:
43: 2023-10-16
52: Class 09 24: Part F
71: Polyoak Packaging (Pty) Ltd
54: PULL TAB
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



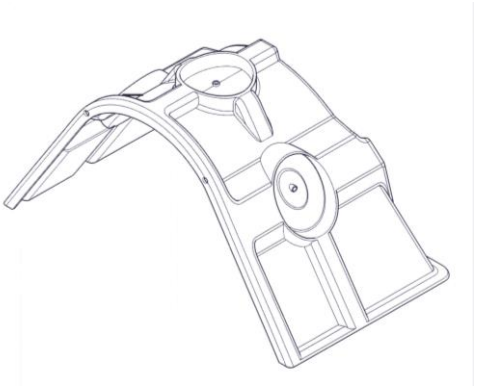
21: F2023/00263 22: 2023-02-23 23:
43: 2023-09-12
52: Class 15 24: Part F
71: CQMS PTY LTD
33: AU 31: 202215001 32: 2022-08-26
54: WEAR MEMBER
57: The design is applied to a wear member. The features of the design for which protection is claimed are those of the shape and/or configuration of the wear member, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



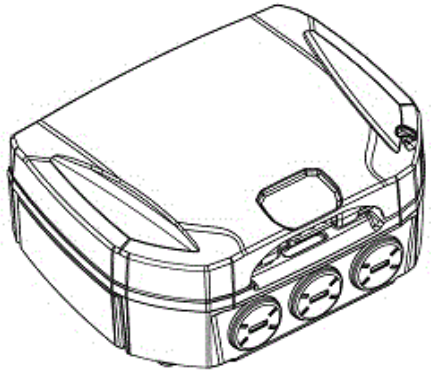
21: F2023/00270 22: 2023-02-23 23:
43: 2023-10-18
52: Class 23 24: Part F
71: Envirosan Sanitation Solutions (Pty) Ltd
54: DRAIN CHAMBER
57: The features for which protection is claimed reside in the shape and/or configuration of a drain chamber, as shown in the accompanying drawing. The inclusion of the aperture “A” is optional. The number of segments “B” is variable.



21: F2023/00271 22: 2023-02-24 23:
43: 2023-10-18
52: Class 23 24: Part F
71: Envirosan Sanitation Solutions (Pty) Ltd
54: DRAIN END CAP
57: The features for which protection is claimed reside in the shape and/or configuration of a drain end cap, as shown in the accompanying drawing.

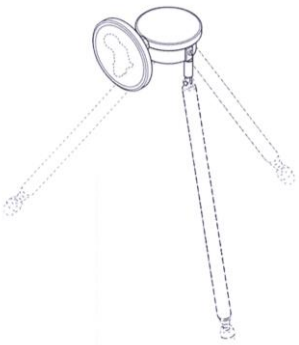


21: F2023/00281 22: 2023-02-27 23: 2022-09-01
43: 2023-09-12
52: Class 13. 24: Part F
71: ALLBRO (PTY) LTD
54: Enclosure
57: The design relates to an enclosure. The features of the design are those of shape and/or configuration.

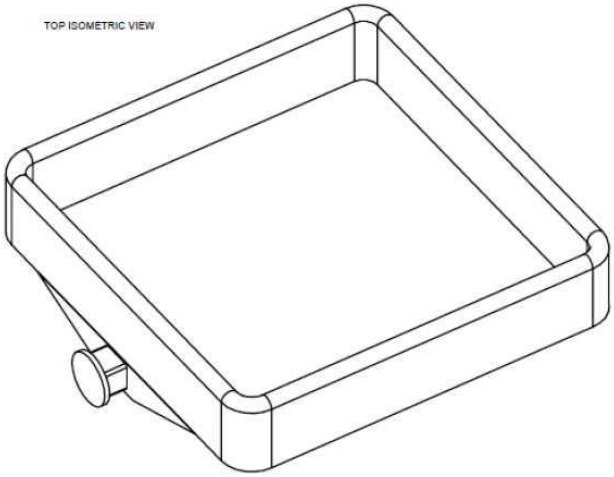


LEFT FRONT PERSPECTIVE VIEW

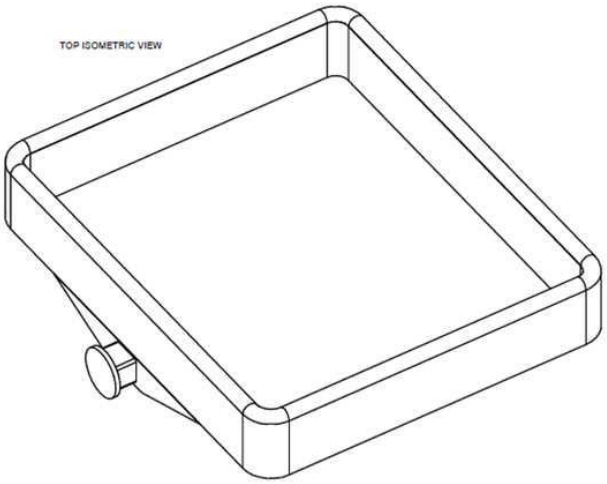
21: F2023/00320 22: 2023-03-02 23:
43: 2023-10-18
52: Class 16 24: Part F
71: EWE NJE WP AND ISU KILE WP (PTY) LTD
54: CAMERA STAND
57: The features for which protection is claimed reside in the shape and/or configuration of a camera stand, as shown in the accompanying drawing. The structure shown in dotted outline does not form part of the design.



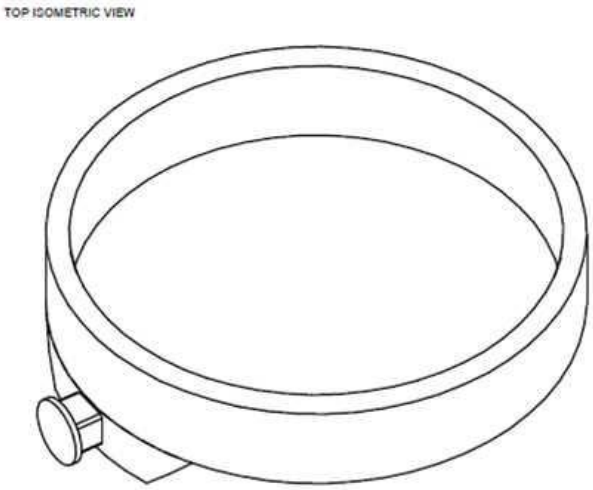
21: F2023/00339 22: 2023-03-06 23:
43: 2023-10-18
52: Class 15 24: Part F
71: BENSCH, Martin Jonathan
54: STRETCH HOOD PACKING SYSTEM FRAME
57: The features of this design for which protection are claimed include the shape and/or configuration of a square stretch hood packing system frame substantially as illustrated in the accompanying representations.



21: F2023/00340 22: 2023-03-06 23:
43: 2023-10-18
52: Class 15 24: Part F
71: BENSCH, Martin Jonathan
54: STRETCH HOOD PACKING SYSTEM FRAME
57: The features of this design for which protection are claimed include the shape and/or configuration of a rectangular stretch hood packing system frame substantially as illustrated in the accompanying representations.

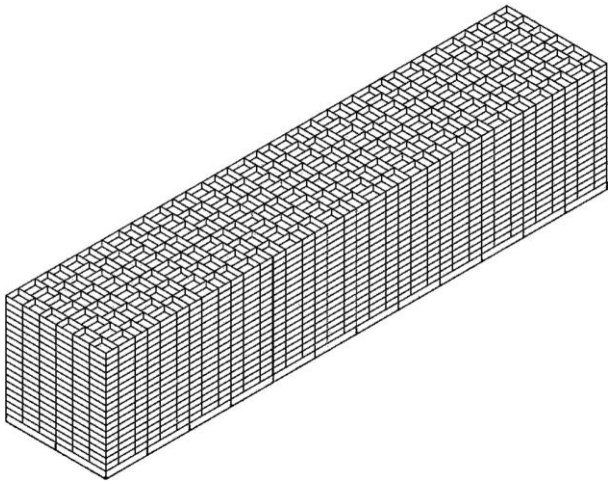


21: F2023/00341 22: 2023-03-06 23:
43: 2023-10-18
52: Class 15 24: Part F
71: BENSCH, Martin Jonathan
54: STRETCH HOOD PACKING SYSTEM FRAME
57: The features of this design for which protection are claimed include the shape and/or configuration of a circular stretch hood packing system frame substantially as illustrated in the accompanying representations.

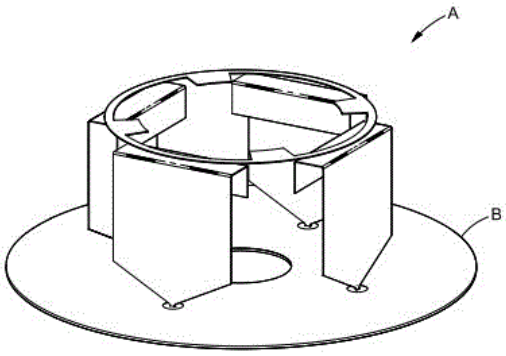


21: F2023/00342 22: 2023-03-08 23:
43: 2023-11-14
52: Class 09 24: Part F
71: APL Cartons (Pty) Ltd
54: PALLETS AND CARTONS FOR LOADING SHIPPING CONTAINERS
57: The design is for pallets and cartons for loading shipping containers by loading each pallet with

multiple stacked layers of ten cartons each, and arranging the pallets in an array to match the inside dimensions of the shipping container.

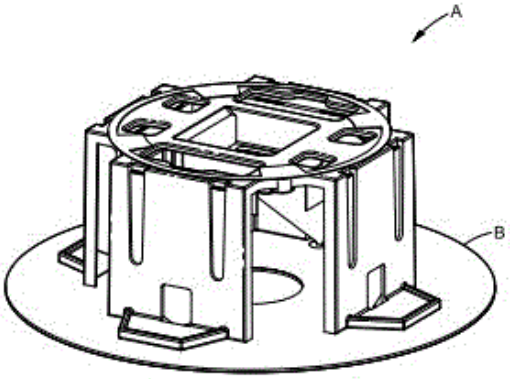


21: F2023/00354 22: 2023-03-09 23:
43: 2023-10-17
52: Class 14 24: Part F
71: POYNTING ANTENNAS (PTY) LIMITED
54: ANTENNA
57: The features of the design for which protection is claimed comprise the shape and/or configuration and/or pattern of an antenna A as illustrated in the accompanying representations, irrespective of the shape of ground plane B.



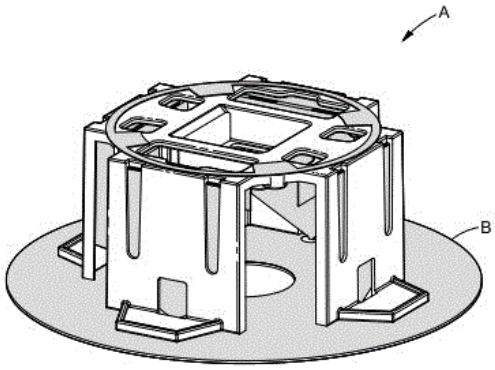
TOP PERSPECTIVE VIEW

21: F2023/00355 22: 2023-03-09 23:
43: 2023-10-17
52: Class 14 24: Part F
71: POYNTING ANTENNAS (PTY) LIMITED
54: ANTENNA
57: The features of the design for which protection is claimed comprise the shape and/or configuration and/or pattern of an antenna A as illustrated in the accompanying representations, irrespective of the shape of ground plane B.



TOP PERSPECTIVE VIEW

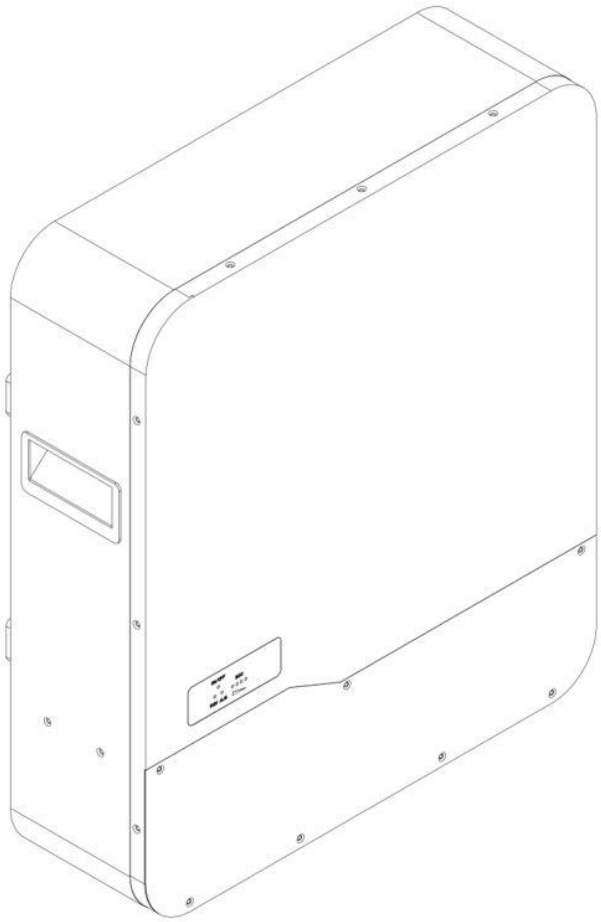
21: F2023/00356 22: 2023-03-09 23:
43: 2023-10-17
52: Class 14 24: Part F
71: POYNTING ANTENNAS (PTY) LIMITED
54: ANTENNA
57: The features of the design for which protection is claimed comprise the shape and/or configuration and/or pattern of an antenna A as illustrated in the accompanying representations, irrespective of the shape of ground plane B and support parts, which are unshaded.



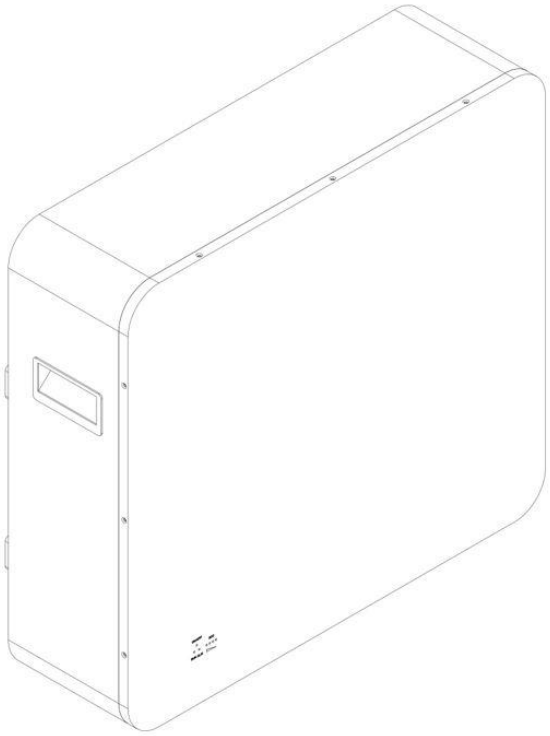
TOP PERSPECTIVE VIEW

21: F2023/00358 22: 2023-03-10 23: 2022-09-10
43: 2023-10-17
52: Class 13 24: Part F
71: Hubble Lithium (Pty) Ltd
54: BATTERY ENCLOSURE
57: The design is applied to a battery enclosure. The features of the design for which protection is claimed are those of the shape and/or configuration and/or

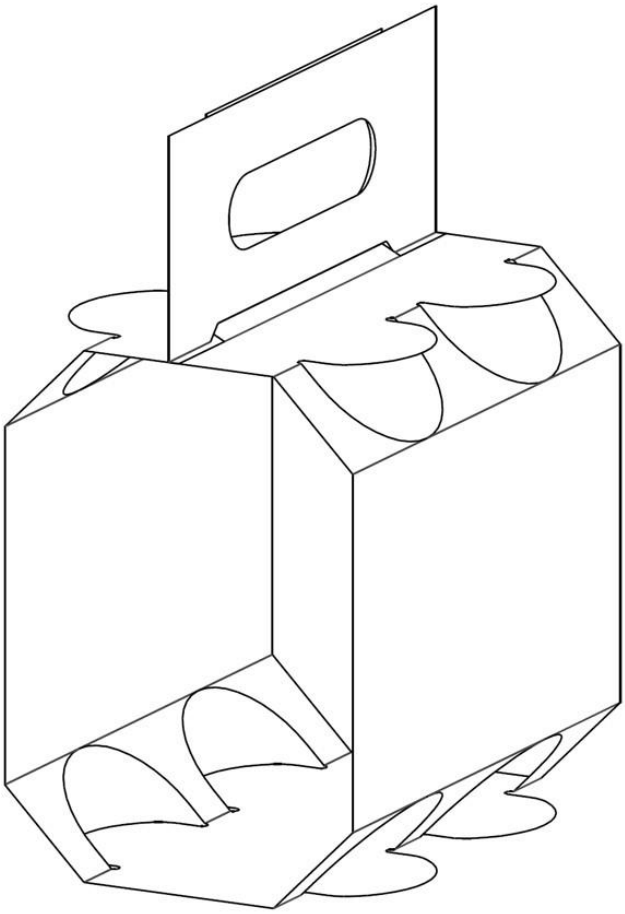
pattern of the battery enclosure, substantially as illustrated in the accompanying representation.



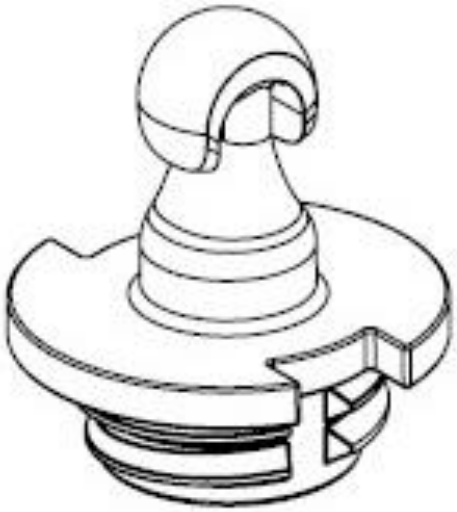
21: F2023/00360 22: 2023-03-10 23: 2022-09-10
43: 2023-10-17
52: Class 13 24: Part F
71: Hubble Lithium (Pty) Ltd
54: BATTERY ENCLOSURE
57: The design is applied to a battery enclosure. The features of the design for which protection is claimed are those of the shape and/or pattern of the battery enclosure, substantially as illustrated in the accompanying representation.



21: F2023/00373 22: 2023-03-16 23:
43: 2023-10-18
52: Class 09 24: Part F
71: APL CARTONS (PTY) LTD
54: CONTAINER
57: The design is for a container that is erected from a profiled blank around four beverage cans to form a carrier sleeve with a carry handle.



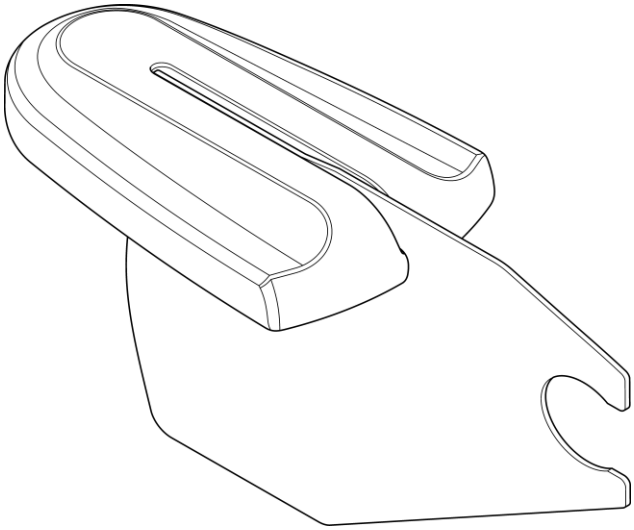
21: F2023/00379 22: 2023-03-17 23: 2022-09-19
43: 2023-10-18
52: Class 08 24: Part F
71: WOLTEMADE (PTY) LTD
54: MALE CLIP
57: The features of the design for which protection is claimed include the shape and/or configuration of a MALE CLIP substantially as illustrated in the accompanying representations.



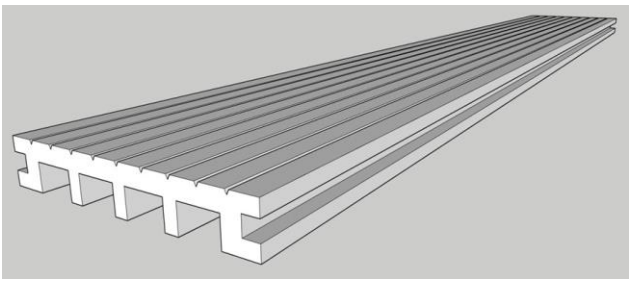
21: F2023/00383 22: 2023-03-17 23: 2022-09-19
43: 2023-10-18
52: Class 08 24: Part F
71: WOLTEMADE (PTY) LTD
54: MALE CLIP
57: The features of the design for which protection is claimed include the shape and/or configuration of a MALE CLIP substantially as illustrated in the accompanying representations.

21: F2023/00385 22: 2023-03-17 23: 2022-09-19
43: 2023-10-18
52: Class 08 24: Part F
71: WOLTEMADE (PTY) LTD
54: FEMALE CLIP
57: The features of the design for which protection is claimed include the shape and/or configuration of a FEMALE CLIP substantially as illustrated in the accompanying representations.

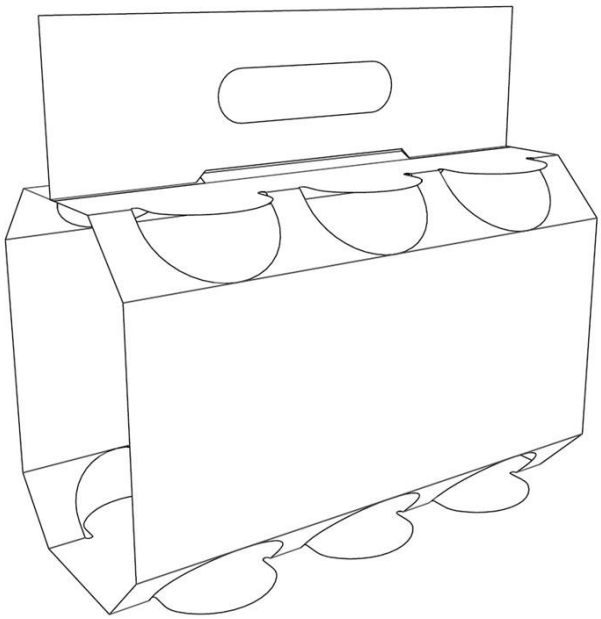
21: F2023/00388 22: 2023-03-22 23: 2023-01-18
43: 2023-10-18
52: Class 15 24: Part F
71: SCHEEPERS, Michael Johannes
54: SWIMMING POOL CLEANER ACCESSORY
57: The features of this design for which protection are claimed include the shape and/or configuration of a swimming pool cleaner accessory substantially as illustrated in the accompanying representations.



21: F2023/00447 22: 2023-04-11 23:
43: 2023-11-14
52: Class 25 24: Part F
71: Timmdek (Pty) Ltd
54: DECK BOARD
57: The design is for a deck board with longitudinal grooves in its opposing lateral edges and with four rectangular grooves in its underside.



21: F2023/00453 22: 2023-04-11 23:
43: 2023-11-14
52: Class 09 24: Part F
71: APL Cartons (Pty) Ltd
54: CONTAINERS
57: The design is for a container that is erected from a profiled blank around six beverage cans to form a carrier sleeve with a carry handle.



21: F2023/01017 22: 2023-09-20 23:
43: 2023-10-12
52: Class 2 24: Part F
71: Hengshui Yiqingshu Hosiery Co., Ltd.
54: SOCKS
57: The design relates to a Socks. The features of the design are those of shape and/or pattern and/or configuration.

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

(Applications filed in terms of Act No. 62 of 1977)

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

No records available

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

No records available

PATENT CORRECTION NOTICES

The notice of acceptance of South African Patent Application No. **2021/09022**, in the name of **LABORATORIOS FARMACÉUTICOS ROVI, S.A.** was erroneously published in the Patent Journal of **25 October 2023.** Therefore it's publication in the Patent Journal of **25 October 2023** is null and void.

RECTIFICATION OF THE PATENT REGISTER IN TERMS OF SECTION 52 OF THE PATENTS ACT 57 OF 1978

Notice is hereby given that the Registrar has ordered rectification of the patent register, in respect of South African Patent Application No. **2019/04033**, in the name of **UNIVERSITY OF KWAZULU-NATAL** by deleting the following entries**:**

(a) 09/06/2020 – Application accepted on 9/6/2020.

(b) 27/08/2020 – Patent advertised on 26-08-2020.

(c) 27/08/2020 – Patent granted on 26-08-2020.

(d) Acceptance withdrawn on 13/08/2020.

The patent amendment under application no: **2017/01282** was advertised in the October 2023 with the date appearing as the application number and application number appearing as the filing date and it should have appeared as the one below, However the opposition period will still run from the October publication date.

Applicant: COCHRANE STEEL PRODUCTS (PTY) LIMITED 125 Fitter Road, Spartan 1619 Kempton Park.
Request permission to amend the specification of letters patent no: **2017/01282** of **21/02/2017** for **BARRIER.**
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

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for November 2023

Number of Advertised Patents: 768

Application Number	Patent Title	Filing Date
2015/05580	GENETIC MODIFICATIONS OF RATS	2015/08/03
2015/07627	P2X7 MODULATORS	2015/10/13
2016/01534	PHARMACEUTICAL COMPOSITIONS COMPRISING MACROLIDE DIASTEREOMERS, METHODS OF THEIR SYNTHESIS AND THERAPEUTIC USES	2016/03/04
2016/08614	SOLID ORAL PHARMACEUTICAL COMPOSITIONS FOR ISOXAZOLINE COMPOUNDS	2016/11/29
2017/00671	OPTIONALLY FUSED HETEROCYCLYL-SUBSTITUTED DERIVATIVES OF PYRIMIDINE USEFUL FOR THE TREATMENT OF INFLAMMATORY, METABOLIC, ONCOLOGIC AND AUTOIMMUNE DISEASES	2017/01/26
2017/01384	COMPOUND TARGETING IL-23A AND TNF-ALPHA AND USES THEREOF	2017/02/23
2017/01723	METHODS OF SEPARATING GEMCITABINE-PHOSPHATE DIASTEREOISOMERS	2017/03/09
2017/03523	CEMENTITIOUS MATERIAL	2017/05/23
2017/05465	TOCOPHEROL STABILISERS FOR NITROCELLULOSE-BASED PROPELLANTS	2017/08/11
2017/08034	CANDLE HOLDER	2017/11/27
2018/01945	COMPOSITIONS AND METHODS FOR THE TREATMENT OF PARKINSON'S DISEASE	2018/03/23
2018/02296	NITROGEN UTILISATION MODULATION	2018/04/09
2018/04350	MODULATORS OF 5'-NUCLEOTIDASE, ECTO AND THE USE THEREOF	2018/06/28
2018/06273	COMPOSITIONS AND METHODS FOR TREATMENT OF TYPE VII COLLAGEN DEFICIENCIES	2018/09/18
2018/06292	AGRICULTURAL TRENCH DEPTH SYSTEMS, METHODS, AND APPARATUS	2018/09/19
2018/07790	ANTIVENOM COMPOSITIONS AND USES THEREOF	2018/11/19
2019/03150	SYSTEM AND METHOD FOR	2019/05/20

Application Number	Patent Title	Filing Date
	PERFORMING AUTOMATED ANALYSIS OF AIR SAMPLES	
2019/03624	MECHANICAL COUPLING FOR MECHANICAL AND STRUCTURAL TUBING	2019/06/06
2019/03668	METHOD FOR SWITCHING OFF AN ARC IN AN ELECTRICAL INSTALLATION	2019/06/07
2019/07225	TREATMENT OF HER2 POSITIVE CANCERS	2019/10/30
2019/07301	CONTINUOUS TUBE ROLLING METHOD AND MANDREL ASSEMBLY FOR THE IMPLEMENTATION THEREOF	2019/11/04
2019/07754	COMBINATION OF AN ERBB-2/ERBB-3 BISPECIFIC ANTIBODY WITH ENDOCRINE THERAPY FOR BREAST CANCER	2019/11/22
2019/07756	SHARK ADVOIDANCE SYSTEM AND METHOD	2019/11/22
2019/08404	15.BETA.-[3-PROPANAMIDO]-SUBSTITUTED ESTRA-1,3,5(10)-TRIEN-17-ONE COMPOUNDS AND THEIR 17-OXIMES FOR USE IN INHIBITION OF 17.BETA.-HYDROXYSTEROID DEHYDROGENASES	2019/12/17
2020/00732	MATURATION OF DENDRITIC CELLS	2020/02/04
2020/01661	CRYSTALLINE FORM OF LORLATINIB FREE BASE HYDRATE	2020/03/17
2020/01756	ORAL CARE COMPOSITIONS	2020/03/19
2020/02093	ANTIBACTERIAL COMPOUNDS	2020/05/04
2020/02197	CHANNEL AND SYNCHRONIZATION RASTER	2020/05/04
2020/03197	SPORTING EQUIPMENT	2020/05/29
2020/03213	SOLVENT SEPARATION	2020/05/28
2020/03405	AGRICULTURAL MACHINES COMPRISING COMMUNICATION SYSTEMS POSITIONED ADJACENT A CAB	2020/06/08
2020/03856	COMPOUNDS	2020/06/25
2020/04002	PHARMACEUTICAL COMPOSITION	2020/06/23
2020/05165	OVERFLOW PIPE SYSTEM	2020/08/19
2020/05273	HUMAN ANTIBODIES TO FEL D1 AND METHODS OF USE THEREOF	2020/08/25
2020/05773	FOAMED POLYPROPYLENE COMPOSITION	2020/09/17
2020/05965	MULTILEVEL DEEP WELL COOLING AND GEOTHERMAL UTILIZATION SYSTEM AND PROCESS	2020/09/28
2020/06668	A SYSTEM FOR, AND A METHOD OF	2020/10/27

Application Number	Patent Title	Filing Date
	TREATING ACID MINE DRAINAGE	
2020/07007	MCL-1 INHIBITORS	2020/11/10
2020/07273	BICYCLIC HETEROCYCLYL DERIVATIVES AS IRAK4 INHIBITORS	2020/11/23
2020/07274	BICYCLIC HETEROCYCLYL DERIVATIVES AS IRAK4 INHIBITORS	2020/11/23
2020/07304	GLP-1 RECEPTOR AGONISTS AND USES THEREOF	2020/11/24
2020/07698	WIRE MEASURING DEVICE AND WIRE MEASURING METHOD	2020/12/09
2020/07775	DISPENSER, DISPENSING SYSTEM, AND DISPENSING METHOD	2020/12/14
2021/00485	PYRIMIDINE COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS FOR PREVENTING OR TREATING CANCERS INCLUDING THE SAME	2021/01/22
2021/00858	A METHOD AND APPARATUS FOR EMBEDDING CODES IN AN APPLICATION, AND AN ELECTRONIC DEVICE	2021/02/08
2021/01257	CONTAINER SYSTEM FOR TRANSPORTING AND DISPENSING AGRICULTURAL PRODUCTS	2021/02/24
2021/01521	APPARATUS FOR THE MEASUREMENT OF MINERAL SLURRIES	2021/03/05
2021/01960	PROTEIN TYROSINE PHOSPHATASE INHIBITORS	2021/03/24
2021/02114	FORMULATIONS CONTAINING DOMPERIDONE	2021/03/29
2021/02427	AN ELECTRICAL PROTECTION SYSTEM AND A METHOD THEREOF	2021/04/13
2021/02451	RANDOM ACCESS PROCEDURE	2021/04/14
2021/02610	METHOD OF PRECIPITATING PHYTASE	2021/04/20
2021/03099	2,3-DIHYDRO-1H-PYRROLO[3,4-C]PYRIDIN-1-ONE DERIVATIVES AS HPK1 INHIBITORS FOR THE TREATMENT OF CANCER	2021/05/07
2021/03205	HIGH DEFINITION AND EXTENDED DEPTH OF FIELD INTRAOCULAR LENS	2021/05/12
2021/03362	FOOD ARTICLE	2021/05/18
2021/03363	SAVOURY COMPOSITION	2021/05/18
2021/03404	COMPOSITION AND METHOD FOR TREATING THE LUNGS	2021/05/19
2021/03429	RADIOIMMUNOCONJUGATES AND CHECKPOINT INHIBITOR COMBINATION THERAPY	2021/05/20
2021/03636	A SENSOR, SYSTEM AND METHOD	2021/05/27

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	FOR DETECTING OR SENSING MOISTURE OR WETNESS OF AN ARTICLE	
2021/03639	FERRITIC STAINLESS STEEL	2021/05/27
2021/03823	SAVOURY COMPOSITION	2021/06/03
2021/03910	TRUCK BED	2021/06/07
2021/03912	IRREVERSIBLE INHIBITORS OF MENIN-MLL INTERACTION	2021/06/07
2021/03962	NOVEL COMPOSITION	2021/06/09
2021/03975	METHODS OF TREATING DISEASE WITH MAGL INHIBITORS	2021/06/09
2021/04015	APPARATUS	2021/06/10
2021/04153	MONITORING SYSTEM	2021/06/17
2021/04166	SULCARDINE ADMINISTRATION FOR TREATMENT OF ACUTE ATRIAL FIBRILLATION	2021/06/17
2021/04195	HYBRID PROMOTERS AND THEIR USES IN THERAPY, NOTABLY FOR TREATING TYPE II COLLAGENOPATHIES	2021/06/18
2021/04286	A HANDHELD MOBILE COMMUNICATION DEVICE CONNECTED DONATION RECEIVING APPARATUS	2021/06/22
2021/04330	ELECTRIC RESISTANCE WELDED STEEL PIPE OR TUBE	2021/06/23
2021/04454	METHOD FOR EXTRACTING HEMICELLULOSE FROM LIGNOCELLULOSIC MATERIAL	2021/06/28
2021/04455	A METHOD AND ARRANGEMENT IN A BATCH PULP PRODUCTION PROCESS	2021/06/28
2021/04504	RESIN-GROUTED ROCK BOLT ASSEMBLY WITH AN ADAPTED SEALING BUSH	2021/06/29
2021/04522	CONSTRUCTION METHOD FOR CREATING A TROPICAL STYLE SWIMMING LAGOON WITH BEACHES WITHIN VACANT OR ABANDONED SITES	2021/06/29
2021/05296	ELECTRONIC VAPING DEVICE AND COMPONENTS THEREOF	2021/07/27
2021/05385	PROTECTIVE GARMENT	2021/07/29
2021/05386	METHOD OF, AND SYSTEM FOR, DESIGNING/CREATING A BENDING PROCESS PLAN/PROCEDURE	2021/07/29
2021/06098	BLOW MOULDING TOOL AND METHOD FOR THERMALLY PROCESSING A SUBREGION OF A SURFACE OF A PLASTIC CONTAINER	2021/08/24
2021/06100	METHOD FOR TRANSFERRING A	2021/08/24

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	NEGATIVE STRUCTURE OF A SURFACE OF AN INNER WALL OF A BLOW MOULDING TOOL, AND PLASTIC CONTAINER	
2021/06232	EMULSIFIER AND EMULSIONS	2021/08/27
2021/06306	METHODS AND SYSTEMS FOR ENERGY-EFFICIENT DRYING OF CO-PRODUCTS IN BIOREFINERIES	2021/08/30
2021/06307	VAPOR DISTRIBUTOR FOR A MASS TRANSFER COLUMN AND METHOD INVOLVING SAME	2021/08/30
2021/06351	CONSTRAINTS ON MODEL-BASED RESHAPING IN VIDEO PROCESSING	2021/08/31
2021/06357	A FILTER AND A FUEL ASSEMBLY FOR A NUCLEAR PLANT	2021/08/31
2021/06413	CUTTING HEAD FOR ROCK CUTTING MACHINE	2021/09/02
2021/06435	COUNTER-ROTATING AXIAL ELECTRIC MOTOR ASSEMBLY	2021/09/02
2021/06899	STEALTH VEHICLE WITH RAPID DEPLOYMENT INTEGRATED WEAPON SYSTEM	2021/09/17
2021/06980	TRACK CHAIN AND METHODS FOR BUSHING ROTATION	2021/09/20
2021/07136	GYRATION-TYPE CRUSHER	2021/09/23
2021/07299	PRESSURE REDUCING VALVE WITH SHUT-OFF MECHANISM	2021/09/28
2021/07432	PRODUCTION OF SYNTHESIS GAS FROM GASIFYING AND REFORMING CARBONACEOUS MATERIAL	2021/10/01
2021/07580	FORMULATION OF (E)-2,4,6-TRIMETHOXYSTYRYL-3-[(CARBOXYMETHYL)AMINO]-4-METHOXYBENZYLSULPHONE WITH ENHANCED STABILITY AND BIOAVAILABILITY	2021/10/08
2021/07773	TRACK-BUILDING MACHINE AND METHOD FOR TAMPING A TRACK	2021/10/13
2021/08008	DETERMINING, SCORING, AND REPORTING MOBILE PHONE DISTRACTION OF A DRIVER	2021/10/19
2021/08011	A HEAVE COMPENSATING SYSTEM FOR A FLOATING DRILLING VESSEL	2021/10/19
2021/08164	A PROCESS FOR THE MANUFACTURE OF (2S,3S,4S,5R,6S)-3,4,5-TRIHYDROXY-6-(((4AR,10AR)-7-HYDROXY-1-PROPYL-1,2,3,4,4A,5,10,10A-	2021/10/22

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	OCTAHYDROBENZO[G]QUINOLIN-6-YL)OXY)TETRAHYDRO-2H-PYRAN-2-CARBOXYLIC ACID	
2021/08293	TENSIONING SYSTEM	2021/10/27
2021/08304	SPRAY DEVICE AND METHODS OF ASSEMBLY AND USE	2021/10/27
2021/08348	ANGIOTENSINOGEN (AGT) IRNA COMPOSITIONS AND METHODS OF USE THEREOF	2021/10/28
2021/08375	PUMP ASSEMBLY AND SYSTEM FOR INDUCING NEGATIVE PRESSURE IN A PORTION OF A URINARY TRACT OF A PATIENT	2021/10/28
2021/08380	METHOD AND SYSTEM FOR SUPPRESSING AN ELECTRIC LOCOMOTIVE FROM GENERATING HIGH-ORDER HARMONICS AFTER AXLE ISOLATION	2021/10/28
2021/08762	SURFACE-TREATED MAGNESIUM OR CALCIUM ION-CONTAINING MATERIALS AS WHITE PIGMENTS IN ORAL CARE COMPOSITIONS	2021/11/08
2021/08906	AIRCRAFT ENGINE ADAPTER SYSTEM	2021/11/10
2021/08965	CHEMICAL COMPOSITION FOR SEED TREATMENT	2021/11/11
2021/09166	AN EDUCATION FOCUSED INCOME AID	2021/11/17
2021/09193	A SUBSTITUTED TETRAHYDROISOQUINOLINE DERIVATIVE AS A D1 POSITIVE ALLOSTERIC MODULATOR	2021/11/17
2021/09194	A SUBSTITUTED TETRAHYDROISOQUINOLINE DERIVATIVE AS A D1 POSITIVE ALLOSTERIC MODULATOR	2021/11/17
2021/09357	WIRELESS DEVICE AND METHODS FOR MAKING AND USING THE SAME	2021/11/22
2021/09359	CREST ELEMENT FOR A BREAKWATER, ARMOUR LAYER ASSEMBLY FOR A BREAKWATER, BREAKWATER, METHOD OF CRESTING A BREAKWATER, AND METHOD OF PROVIDING AN ARMOUR ON A BREAKWATER	2021/11/22
2021/09788	WIND, PV, BIOMASS ENERGY STORAGE, SUPPLYING AND RECHARGING FOR SMART ELECTRICAL TRANSPORTING SYSTEM	2021/11/30
2021/10052	REBAMIPIDE FOR USE IN PREVENTION AND / OR	2021/12/06

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	TREATMENT OF SYNUCLEINOPATHIES	
2021/10116	DRINK BOTTLE	2021/12/07
2021/10132	COOLING JACKET FOR GASIFICATION BURNER	2021/12/08
2021/10341	EMULSION WITH ALPHA-HYDROXY ACID, UV FILTER AND POLYMER	2021/12/13
2021/10357	INHIBITOR CONTAINING BICYCLIC DERIVATIVE, PREPARATION METHOD THEREFOR AND USE THEREOF	2021/12/13
2021/10395	TELEHANDLER WITH FACILITATED ALIGNMENT ADJUSTMENT	2021/12/14
2021/10396	IMPROVED ELECTRIC TELEHANDLER	2021/12/14
2021/10888	UTILIZATION OF SULFATE IN THE FINING OF SUBMERGED COMBUSTION MELTED GLASS	2021/12/23
2021/10891	FINING GLASS USING HIGH TEMPERATURE AND LOW PRESSURE	2021/12/23
2022/00174	ANTI-IGE CONSTRUCT	2022/01/03
2022/00175	ROTATING SUPPORT DEVICE FOR A TORSION BEAM	2022/01/03
2022/00221	FUEL COMPOSITIONS WITH ENHANCED STABILITY AND METHODS OF MAKING SAME	2022/01/04
2022/00273	ANIMAL FOOD COMPOSITION	2022/01/05
2022/00281	WEARABLE EARPIECE OXYGEN MONITOR	2022/01/05
2022/00289	VIRTUAL PREDICTION BUFFER FOR INTRA BLOCK COPY IN VIDEO CODING	2022/01/05
2022/00315	METHODS AND COMPOSITIONS FOR RECOVERY OF LITHIUM FROM LIQUID SOLUTIONS WITH NANOPARTICLES	2022/01/06
2022/00329	COMPOSITION FOR PREVENTING, TREATING, OR IMPROVING GASTROINTESTINAL DISEASES COMPRISING STRAIN OF GENUS CORYNEBACTERIUM AND CULTURE THEREOF	2022/01/06
2022/00330	PHARMACEUTICAL COMPOSITION OF IMATINIB	2022/01/06
2022/00331	NALTREXONE FORMULATION	2022/01/06
2022/00332	METHOD FOR REINFORCING A PANEL AND A METHOD FOR MANUFACTURING A COMPOSITE PANEL IMPLEMENTING SUCH A METHOD	2022/01/06
2022/00334	A CAP FOR CLOSING A CONTAINER	2022/01/06

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2022/00335	PHARMACEUTICAL COMPOSITION OF TEMOZOLOMIDE	2022/01/06
2022/00405	OXAZEPINONE DERIVATIVE, INSECTICIDE FOR AGRICULTURAL AND HORTICULTURAL USE CONTAINING SAID DERIVATIVE, AND METHOD FOR USING SAME	2022/01/07
2022/00455	SAMPLE IDENTIFICATION FOR INTRA BLOCK COPY IN VIDEO CODING	2022/01/10
2022/00457	METHOD AND DATA NETWORK FOR COMMUNICATING DATA CONTENT, IN PARTICULAR IN AN ELEVATOR SYSTEM	2022/01/10
2022/00458	MAINTENANCE DRAWER FOR AN ELECTRICAL DISTRIBUTION SWITCHBOARD	2022/01/10
2022/00513	SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE	2022/01/11
2022/00514	SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE	2022/01/11
2022/00537	SAMPLE PADDING IN ADAPTIVE LOOP FILTERING	2022/01/11
2022/00539	COMPOSITION AND METHOD FOR INHIBITING TAU PROTEIN ACCUMULATION, AGGREGATION, AND TANGLE FORMATION	2022/01/11
2022/00542	COATED GRANULE, SOLID DISPERSION, AND PREPARATION CONTAINING VORTIOXETINE HYDROBROMIDE FOR ORAL TASTE MASKING	2022/01/11
2022/00543	METHOD FOR RECYCLING LITHIUM BATTERIES	2022/01/11
2022/00587	WINGED SPROCKET SEGMENTS WITH NOTCHES	2022/01/12
2022/00605	BLOOD GROUP ANTIGEN TESTING COMPONENT	2022/01/12
2022/00606	BACILLUS THURINGIENSIS STRAIN	2022/01/12
2022/00607	ANTENNA AND ELECTRONIC DEVICE COMPRISING SAME	2022/01/12
2022/00738	POLYPEPTIDE DIMER WITH HIGH SIALIC ACID CONTENT, COMPRISING EXTRACELLULAR DOMAIN OF ALPHA SUBUNIT OF	2022/01/14

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	IGE FC RECEPTOR, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME	
2022/00739	WEAR LINER	2022/01/14
2022/00742	METHOD FOR MANUFACTURING A TWO-DIMENSIONAL COLOURED BAR CODE AND ASSOCIATED SECURITY DEVICE	2022/01/14
2022/00785	A TUFTING MACHINE	2022/01/17
2022/00786	A PRESSER FOOT MODULE FOR A TUFTING MACHINE	2022/01/17
2022/00787	COSMETIC TREATMENT METHOD AND ASSEMBLY FOR PERFORMING SAID METHOD	2022/01/17
2022/00905	ANTI-EGFR/ANTI-4-1BB BISPECIFIC ANTIBODY AND USE THEREOF	2022/01/19
2022/00906	ANTI-HER2/ANTI-4-1BB BISPECIFIC ANTIBODY AND USE THEREOF	2022/01/19
2022/00907	ELECTRONIC DEVICE INCLUDING CONDUCTIVE MEMBER	2022/01/19
2022/00910	CANNABIS RISK COMPLIANCE AND EXCHANGE PLATFORM	2022/01/19
2022/00911	CANNABIS IDENTITY VERIFICATION AND EXCHANGE PLATFORM	2022/01/19
2022/00957	QUANTIZATION PROCESS FOR PALETTE MODE	2022/01/20
2022/00959	DEVICE FOR OPTICAL INSPECTION OF PREFORMS	2022/01/20
2022/00962	INSTALLATION METHOD FOR TAP ASSEMBLY	2022/01/20
2022/01028	HAIR TREATMENT COMPOSITION	2022/01/21
2022/01076	MAPPING RESTRICTION FOR INTRA-BLOCK COPY VIRTUAL BUFFER	2022/01/24
2022/01092	TRAJECTORY RECONSTRUCTION METHOD AND APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM	2022/01/24
2022/01224	CRYSTALLINE EPINEPHRINE MALONATE SALT	2022/01/26
2022/01241	FOLDABLE TABLE	2022/01/26
2022/01250	DETERMINATION OF PICTURE PARTITION MODE BASED ON BLOCK SIZE	2022/01/26
2022/01251	FABRIC SPRAY COMPOSITIONS	2022/01/26
2022/01253	LOW COST AND SANITARY EFFICIENT SYSTEM AND METHOD THAT CREATES TWO DIFFERENT TREATMENT ZONES IN LARGE WATER BODIES TO FACILITATE DIRECT CONTACT RECREATIONAL ACTIVITIES	2022/01/26

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2022/01361	METHODS AND COMPOSITIONS COMPRISING PURIFIED RECOMBINANT POLYPEPTIDES	2022/01/28
2022/01364	DEUTERATED COMPOUNDS FOR USE IN THE TREATMENT OF CANCER	2022/01/28
2022/01365	METHOD OF DETERMINING RISK FOR CHRONIC STRESS AND STROKE	2022/01/28
2022/01465	LONG-LASTING FORMULATION CONTAINING RIVASTIGMINE, AND METHOD FOR PREPARING SAME	2022/02/01
2022/01466	DYNAMIC TEST LOOP FOR DETERMINING MOLTEN SALT CORROSION	2022/02/01
2022/01498	PLANT HOLDER FOR HYDROPONIC SYSTEM	2022/02/02
2022/01499	DUAL ATM AND DNA-PK INHIBITORS FOR USE IN ANTI-TUMOR THERAPY	2022/02/02
2022/01502	DECISION ASSISTANCE SYSTEM AND METHOD FOR FIRING A PROJECTILE AT A TARGET	2022/02/02
2022/01503	UREA COMPOUND FOR ANTAGONIZING LPA1 RECEPTOR	2022/02/02
2022/01626	PROCESS FOR THE RECOVERY OF METALS FROM OXIDIC ORES	2022/02/07
2022/01631	DETERGENT COMPOSITION	2022/02/07
2022/01633	COMPOSITIONS AND METHODS FOR TREATING CANCER	2022/02/07
2022/01676	DRIVE DEVICE FOR A STOPPER CLOSURE ON A METALLURGICAL VESSEL	2022/02/08
2022/01678	PROJECTILE, METHOD FOR PRODUCING A PROJECTILE, DIE FOR PRODUCING A PROJECTILE AND METHOD FOR SECURING A PROJECTILE CORE AGAINST ROTATION IN RESPECT OF A JACKET OF A PROJECTILE	2022/02/08
2022/01679	APPARATUS FOR THE TREATMENT OF HORTICULTURAL PRODUCTS AND METHOD FOR CONTROLLING SUCH APPARATUS	2022/02/08
2022/01681		2022/02/08
2022/01682		2022/02/08
2022/01719	STABLE POLYMORPHIC FORM OF 6-FLUORO-9-METHYL-9H-BETA-CARBOLINE AND USES THEREOF	2022/02/09
2022/01778	HOLDER FOR INHALER ARTICLE	2022/02/10
2022/01796	TETRAVALENT SYMMETRIC BISPECIFIC ANTIBODY	2022/02/10

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2022/01827	THERAPEUTIC FUSION PROTEINS	2022/02/11
2022/01835	FUMIGANT FORMULATION FOR DRIP APPLICATION	2022/02/11
2022/01873	ENERGY STORAGE SYSTEM AND METHOD	2022/02/14
2022/01893	PRODUCTION OF PAPER STICKS	2022/02/14
2022/01947	INDIVIDUALIZED ANIMAL DRY FOOD COMPOSITION	2022/02/15
2022/01999	CONTAINER	2022/02/16
2022/02003	METHOD OF SEPARATING DIFFERENT CONSTITUENTS OF A CONCRETE FOR DECONSTRUCTION	2022/02/16
2022/02046	A GAS FLOW SYSTEM	2022/02/17
2022/02097	AMINO PYRIMIDINE SSAO INHIBITORS	2022/02/18
2022/02125	NANOEMULSION OF 18 BETA-GLYCYRRHETINIC ACID	2022/02/18
2022/02173	COMBINED SYSTEM FOR SUPPORTING INDUSTRIAL INSULATION SYSTEMS AND PHOTOVOLTAIC PANELS ON PIPING AND CAPITAL EQUIPMENT	2022/02/21
2022/02174	METHOD FOR TREATING DISEASES BASED ON INTERFERON	2022/02/21
2022/02246	PYRIDAZINE COMPOUND AND HERBICIDE	2022/02/22
2022/02312	FLUID DISTRIBUTION ASSEMBLY	2022/02/23
2022/02321	PHARMACEUTICAL AGENT FOR INDUCING SPECIFIC IMMUNITY AGAINST SARS-COV-2	2022/02/23
2022/02376	DIFLUOROHALOALLYLAMINE SULFONE DERIVATIVE INHIBITORS OF LYSYL OXIDASES, METHODS OF PREPARATION, AND USES THEREOF	2022/02/24
2022/02382	METHOD FOR IMPROVING ENGINE PERFORMANCE WITH RENEWABLE LUBRICANT COMPOSITIONS	2022/02/24
2022/02410	RNA PARTICLES COMPRISING POLYSARCOSINE	2022/02/25
2022/02438	UNIFORMLY-PARTITIONED HIGH-PRECISION SUB-REFLECTOR DEVICE WITH A TWO-STAGE POSITION AND POSE ADJUSTMENT FUNCTION	2022/02/25
2022/02439	METHOD FOR PARTITIONING CURVED SURFACE OF REFLECTOR ANTENNA BASED ON EQUALIZED AREA AND MULTIPLE SHAPES	2022/02/25
2022/02545	DEVICE WITH DISPOSABLE ELEMENT	2022/03/02

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2022/02580	MAINTENANCE OF DISTRIBUTED TRAIN CONTROL SYSTEMS USING MACHINE LEARNING	2022/03/02
2022/02581	MACHINE LEARNING BASED TRAIN CONTROL	2022/03/02
2022/02585	5G-ENABLED INTEGRATED ROOFING ACCESSORY AND METHODS OF USE THEREOF	2022/03/02
2022/02673	METHODS AND COMPOSITIONS FOR TREATING ENDOMETRIOSIS	2022/03/04
2022/02679	BLOCK-BASED ADAPTIVE RESOLUTION MANAGEMENT	2022/03/04
2022/02712	ANTIMITOSCINS: TARGETED INHIBITORS OF MITOCHONDRIAL BIOGENESIS FOR ERADICATING CANCER STEM CELLS	2022/03/07
2022/02733	CARTRIDGE PIN ASSEMBLY COMPRISING A SLEEVE BEARING HAVING A FLARED END AND TRACK CHAIN ASSEMBLY COMPRISING CARTRIDGE PIN ASSEMBLY	2022/03/07
2022/02734	DATA PROCESSING DEVICE, DATA PROCESSING SYSTEM, AND DATA PROCESSING METHOD	2022/03/07
2022/02735	WATER REPELLENT COMPOSITION	2022/03/07
2022/02800	KIT AND MOLECULE FOR CAPTURING A MOLECULE WITH MAGNETIC MEANS	2022/03/08
2022/02846	HUMAN ANTIBODIES TO FEL D1 AND METHODS OF USE THEREOF	2022/03/09
2022/02878	FLOOR PANEL FOR FORMING A FLOOR COVERING	2022/03/09
2022/02879	PROCESS FOR PREPARING AN E-SELECTIN INHIBITOR INTERMEDIATE	2022/03/09
2022/02881	DETERGENT COMPOSITION	2022/03/09
2022/02891	METHOD AND APPARATUS FOR GENERATING FROM A COEFFICIENT DOMAIN REPRESENTATION OF HOA SIGNALS A MIXED SPATIAL/COEFFICIENT DOMAIN REPRESENTATION OF SAID HOA SIGNALS	2022/03/10
2022/02892	METHOD AND APPARATUS FOR GENERATING FROM A COEFFICIENT DOMAIN REPRESENTATION OF HOA SIGNALS A MIXED SPATIAL/COEFFICIENT DOMAIN REPRESENTATION OF SAID HOA SIGNALS	2022/03/10

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2022/02921	SYSTEM AND METHOD FOR AUTOMATICALLY DETECTING UNAUTHORIZED ENTRY INTO A POOL	2022/03/10
2022/02984	A PROCESS FOR TREATING ACID MINE DRAINAGE	2022/03/11
2022/02985	AGENT FOR INDUCTION OF SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS (SARS-COV-2) IN LYOPHILIZED FORM (VERSIONS)	2022/03/11
2022/02999	METHOD AND DEVICE FOR CODING/DECODING IMAGE USING INTRA PREDICTION	2022/02/28
2022/03033	SILOXANE DERIVATIVES OF AMINO ACIDS HAVING SURFACE-ACTIVE PROPERTIES	2022/03/14
2022/03106	THIAZOLE CARBOXAMIDE COMPOUNDS AND USE THEREOF FOR THE TREATMENT OF MYCOBACTERIAL INFECTIONS	2022/03/15
2022/03107	AZAINDOLE CARBOXAMIDE COMPOUNDS FOR THE TREATMENT OF MYCOBACTERIAL INFECTIONS	2022/03/15
2022/03145	METHODS OF TREATING ANIMAL PROTEINS	2022/03/16
2022/03150	COSMETIC COMPOSITION WITH ENHANCED COLOR STABILITY	2022/03/16
2022/03201	THERAPEUTIC CONJUGATES	2022/03/17
2022/03205	A CONNECTOR	2022/03/17
2022/03263	SET OF PANELS WITH MECHANICALLY LOCKING EDGES	2022/03/18
2022/03265	BLOWBACK BLOCKAGE REMOVING APPARATUS FOR DRYING MACHINE DUST SCREEN, DUST-PROOF DEVICE, AND DRYING MACHINE	2022/03/18
2022/03331	INJECTION SPRING FOR AGED PREFILLED SYRINGE AND AUTO INJECTOR	2022/03/22
2022/03410	INTERIOR POSITIONING SYSTEM FOR TRACKING COMMUNICATION DEVICES WITHIN A REMOTE LOCATION, AND METHOD THEREFORE	2022/03/23
2022/03455	APPLICATOR FOR APPLYING A SEALING COMPOUND ONTO AN EDGING FOLD	2022/03/24
2022/03504	REBAMIPIDE FOR USE IN PROPHYLAXIS AND TREATMENT	2022/03/25

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	OF CANCER	
2022/03505	GLASS CONTAINER WITH RING PULL CAP RIM	2022/03/25
2022/03509	MOULD FOR THE PRODUCTION OF CLOSURES IN COMPRESSION MOULDING MACHINES	2022/03/25
2022/03554	REBAMIPIDE FOR USE IN PREVENTION AND/OR TREATMENT OF ARTERIAL STIFFNESS	2022/03/25
2022/03564	THE USE OF THE AGENT FOR INDUCING SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2 IN SUBJECTS ABOVE 60 YEARS OF AGE AND/OR HAVING CHRONIC DISEASES (VARIANTS)	2022/03/28
2022/03565	THE USE OF THE AGENT FOR INDUCTION OF SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2 FOR REVACCINATION OF POPULATION (VARIANTS)	2022/03/28
2022/03566	UTILIZATION OF AN AGENT FOR INDUCTION OF SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2 IN CHILDREN	2022/03/28
2022/03677	CARBOXYLIC ACID DERIVATIVE-SUBSTITUTED IMINOARYL COMPOUND, PREPARATION METHOD THEREFOR, HERBICIDAL COMPOSITION AND USE THEREOF	2022/03/30
2022/03678	ENHANCED CONCURRENCY GARBAGE COLLECTION STACK SCANNING	2022/03/30
2022/03681	COMPOSITIONS AND METHODS FOR THE TREATMENT OF VIRAL INFECTIONS	2022/03/30
2022/03778	METHOD FOR INCREASING LYMPHOCYTE COUNT BY USING IL-7 FUSION PROTEIN IN TUMORS	2022/04/01
2022/03780	DETECTION OF SEQUENCES UNIQUELY ASSOCIATED WITH A DNA TARGET REGION	2022/04/01
2022/03783	WASTEWATER TREATMENT SYSTEM	2022/04/01
2022/03785	NEW COMBINED THERMODYNAMIC CYCLE WITH HIGH ENERGY RECOVERY	2022/04/01
2022/03824	CUTTING EDGE ASSEMBLY FOR A WORK TOOL ASSOCIATED WITH A MACHINE AND METHOD OF ITS MANUFACTURE	2022/04/04

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2022/03825	REPLACEABLE BASKET FOR A BUCKET FOR A MACHINE	2022/04/04
2022/03826	HIGH CARBON STEEL TRACK BUSHING	2022/04/04
2022/03827	TRACK CHAIN COMPONENTS WITH HARDFACE OVERLAY	2022/04/04
2022/03837	PROCESS FOR DOPING GRAPHENE WITH NITROGEN AND SULFUR BY REDUCING GRAPHENE OXIDE WITH MICROORGANISMS, NITROGEN- AND SULFUR-DOPED GRAPHENE THUS OBTAINED AND ITS USE	2022/04/04
2022/03840	ELECTRODE FOR ELECTROCHEMICAL EVOLUTION OF HYDROGEN	2022/04/04
2022/03841	RODENT TRAPS	2022/04/04
2022/03850	ELECTRICITY GENERATION	2022/04/05
2022/03918	COMMINUTION DEVICE	2022/04/06
2022/03920	METHOD FOR GENERATING NEW MUTATIONS IN ORGANISMS, AND APPLICATION THEREOF	2022/04/06
2022/03925	CLEANSING COMPOSITION	2022/04/06
2022/03969	METHOD FOR PRODUCING A PIPELINE ARRANGEMENT, AND PIPELINE ARRANGEMENT	2022/04/07
2022/03970	NITROGEN CONTAINING BICYCLIC COMPOUNDS	2022/04/07
2022/03973	A MULTILAYER COVER ELEMENT FOR SEALING CAPSULES FOR MAKING BEVERAGES	2022/04/07
2022/04017	AN IMPROVED PROCESS FOR THE RECOVERY OF ZINC FROM ZINC-BEARING RAW MATERIALS	2022/04/08
2022/04075	COMPOSITIONS COMPRISING CYTISINE IN THE TREATMENT AND/OR PREVENTION OF ADDICTION IN SUBJECTS IN NEED THEREOF	2022/04/11
2022/04079	LOW PRESSURE STUNNER	2022/04/11
2022/04080	WATER INLET SOLENOID VALVE CAPABLE OF IMPROVING ELECTROMAGNETIC ATTRACTION AND IMPLEMENTING METHOD THEREFOR	2022/04/11
2022/04083	DEODORANT COMPOSITIONS	2022/04/11
2022/04148	SEPARATION OF GASES FROM AIR	2022/04/12
2022/04149	CAP FOR A CONTAINER	2022/04/12
2022/04175	SPIRAL CONVEYOR SYSTEM	2022/04/13
2022/04199	SAFETY ASSEMBLY FOR OFF-HIGHWAY TRUCK	2022/04/13
2022/04219	APPARATUS AND METHOD FOR	2022/04/13

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	COATING SUBSTRATES WITH WASHCOATS	
2022/04220	APPARATUS AND METHOD FOR COATING SUBSTRATES WITH WASHCOATS	2022/04/13
2022/04391	TAMPER EVIDENT PLASTIC CLOSURE FOR VIALS FOR STORING SUBSTANCES FOR MEDICAL OR PHARMACEUTICAL APPLICATIONS AND USE THEREOF	2022/04/20
2022/04514	LAYERED CODING AND DATA STRUCTURE FOR COMPRESSED HIGHER-ORDER AMBISONICS SOUND OR SOUND FIELD REPRESENTATIONS	2022/04/22
2022/04537	PANEL COMPRISING COUPLING PARTS	2022/04/22
2022/04539	SEROTONIN PRODUCING BACTERIA	2022/04/22
2022/04556	SYSTEM AND METHOD FOR INTELLIGENT GASIFICATION BLENDING	2022/04/22
2022/04607	SPACE FRAME DUMP BODY PIVOT, SUSPENSION NODE, AND REAR FRAME CONNECTION	2022/04/25
2022/04608	HAUL TRUCK SPACE FRAME AND BODY SUPPORT ARRANGEMENT	2022/04/25
2022/04609	SPACE FRAME FRONT UPPER SUSPENSION CONNECTION	2022/04/25
2022/04610	SPACE FRAME FRONT LOWER SUSPENSION CONNECTION	2022/04/25
2022/04611	SPACE FRAME FRONT UPPER BODY SUPPORT AND FRAME CONNECTION	2022/04/25
2022/04612	SPACE FRAME CENTER LOWER FRAME CONNECTION	2022/04/25
2022/04613	SPACE FRAME CENTER UPPER FRAME CONNECTION	2022/04/25
2022/04614	SPACE FRAME CENTER UPPER FRAME NODAL CONNECTION	2022/04/25
2022/04615	SPACE FRAME FRONT LOWER FRAME CONNECTION	2022/04/25
2022/04617	SPACE FRAME CENTER UPPER FRAME CONNECTION	2022/04/25
2022/04619	HAUL TRUCK DUMP BODY FINISH MACHINED REAR PIVOT SUPPORT	2022/04/25
2022/04620	DUMP BODY FRONT WALL HEATING CHANNEL	2022/04/25
2022/04624	LONG-ACTING GDF15 FUSION PROTEIN AND PHARMACEUTICAL COMPOSITION COMPRISING SAME	2022/04/25
2022/04628	MOBILE FUEL DISPENSER	2022/04/25

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2022/04655	WIRELESS GUEST ENGAGEMENT SYSTEM	2022/04/26
2022/04656	INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY	2022/04/26
2022/04665	HYDROGEL BASED ON ZINC GLUCONATE AND HYALURONIC ACID ESTERS	2022/04/26
2022/04666	2-ISOINDOL-1,3,4-OXADIAZOLE DERIVATIVES USEFUL AS HDAC6 INHIBITORS	2022/04/26
2022/04667	DEVICE FOR SELECTIVELY STORING AND MIXING FIRST AND SECOND LIQUIDS	2022/04/26
2022/04801	WEARABLE GAMING DEVICE AND METHOD THEREOF	2022/04/29
2022/04804	NAVIGATION METHOD AND SYSTEM	2022/04/29
2022/04868	CONTROL SYSTEM FOR DC BUS REGULATION	2022/05/03
2022/04869	PROCESSES FOR RECOVERY OF RHODIUM FROM A HYDROFORMYLATION PROCESS	2022/05/03
2022/04870	HYDRAULIC TANK	2022/05/03
2022/04938	ENHANCEMENT AND STABILISATION OF PROTEOLYTIC ACTIVITY OF PROTEASES	2022/05/05
2022/04943	CRYSTALLINE FORMS OF C-C CHEMOKINE RECEPTOR TYPE 4 ANTAGONIST AND USES THEREOF	2022/05/05
2022/04949	A SOAP BAR COMPOSITION FOR ENHANCED DELIVERY OF WATER SOLUBLE BENEFIT AGENT	2022/05/05
2022/04991	NUTRICULTURE DEVICE	2022/05/06
2022/04993	EXPRESSION OF NITROGENASE POLYPEPTIDES IN PLANT CELLS	2022/05/06
2022/04999	SYSTEM AND DEVICE FOR OPTIMISING METAL ELECTRODEPOSITION	2022/05/06
2022/05000	CYCLOOCTATETRAENE CONTAINING DYES AND COMPOSITIONS	2022/05/06
2022/05001	PLASMA CREATION AND HEATING VIA MAGNETIC RECONNECTION IN AN ENCAPSULATED LINEAR RING CUSP	2022/05/06
2022/05099	METHOD FOR PRODUCING COLLAGEN PEPTIDES FROM BONES, AND PRODUCED COLLAGEN PEPTIDES	2022/05/09
2022/05101	METHOD FOR THE PRODUCING	2022/05/09

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	BONE GELATINE, AND BONE GELATINE PRODUCED ACCORDING TO SAID METHOD	
2022/05154	METHOD FOR PRODUCING RADIOACTIVE METAL-LABELED ANTIBODY	2022/05/10
2022/05155	PROCESS FOR RECOVERING STARTING MATERIALS FROM MIXED TEXTILE WASTES	2022/05/10
2022/05156	PROCESS FOR UTILIZATION OF CONSTITUENTS OF MIXED TEXTILE WASTES	2022/05/10
2022/05158	POLYPEPTIDE HAVING MMP2-INHIBITORY EFFECT	2022/05/10
2022/05226	RI-LABELED HUMANIZED ANTIBODY	2022/05/11
2022/05281	FILTER PULSATION DAMPENING DEVICE	2022/05/12
2022/05288	HUMANIZED ANTIBODY AND METHOD FOR USING THE SAME	2022/05/12
2022/05341	HUMANIZED ANTI-CA IX ANTIBODIES AND METHODS OF THEIR USE	2022/05/13
2022/05346	GLP-1 RECEPTOR AGONIST AND USE THEREOF	2022/05/13
2022/05447	CRYSTAL OF 3-(DIFLUOROMETHYL)-1-METHYL-N-(1,1,3-TRIMETHYL-2,3-DIHYDRO-1H-INDEN-4-YL)-1H-PYRAZOLE-4-CARBOXAMIDE	2022/05/17
2022/05501	ECOLOGICAL PURIFICATION AND REACTIVATION PROCESS OF CARBON BLACK OBTAINED FROM THE PYROLYSIS OF USED TYRES	2022/05/18
2022/05502	FLEXIBLE HEAT TRANSFER MATERIAL	2022/05/18
2022/05588	PROCESS FOR THE PURIFICATION OF HYALURONIC ACID SODIUM SALT, CONDUCTED IN ORGANIC SOLVENT	2022/05/20
2022/05662	SYSTEM AND METHOD FOR MONITORING PRODUCTIVITY BEHAVIOURS OF AN INDIVIDUAL TOWARDS PERSONALIZED PRODUCTIVITY GOALS	2022/05/23
2022/05664	SYSTEMS AND METHODS OF RETROFITTING AN AIRCRAFT ENGINE TO AN AIRCRAFT	2022/05/23
2022/05666	CODE GENERATION AND TRACKING FOR AUTOMATIC DATA SYNCHRONIZATION IN A DATA MANAGEMENT SYSTEM	2022/05/23

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2022/05727	SUBSTITUTED-ISOXAZOLINE-CONTAINING AROMATIC COMPOUND, PREPARATION METHOD THEREFOR, HERBICIDAL COMPOSITION AND USE THEREOF	2022/05/24
2022/05728	AGRICULTURAL DISC AND METHOD FOR MANUFACTURING AN AGRICULTURAL DISC FOR USE IN AGRICULTURAL WORK	2022/05/24
2022/05731	RAPID RECOVERY SILICONE GELS	2022/05/24
2022/05800	WATER-ABSORBENT SHEET AND ABSORBENT ARTICLE INCLUDING SAME	2022/05/25
2022/05803	NON-CORRODING FIBER-REINFORCED POLYMER COMPOSITIONS	2022/05/25
2022/05804	IMAGE/VIDEO CODING METHOD AND DEVICE	2022/05/25
2022/05870	BREATHING TREATMENT EQUIPMENT	2022/05/26
2022/05900	5-(2-(2,5-DIFLUOROPHENYL)PYRROLIDIN-1 -YL)-3-(1H-PYRAZOL-1-YL)PYRAZOLO[1,5-A]PYRIMIDINE DERIVATIVES AND RELATED COMPOUNDS AS TRK KINASE INHIBITORS FOR TREATING CANCER	2022/05/27
2022/05922	POLYMERIZATION INSTALLATION WITH INTEGRATED COMBINED ABSORPTION-DIFFUSION AND ABSORPTION-CONDENSATION UNIT AND ITS APPLICATION FOR POLYMER AND COPOLYMER PREPARATION	2022/05/27
2022/05927	ANTI-YELLOW FEVER VIRUS ANTIBODIES, AND METHODS OF THEIR GENERATION AND USE	2022/05/27
2022/05932	REDUCING FORMATION OF CASO4 AND FE2O3 CONTAINING DEPOSITS IN A PRESSURE OXIDATION AUTOCLAVE AND/OR ADJACENT CIRCUITS.	2022/05/27
2022/05942	PROCESS FOR PRODUCING HERBICIDE AND INTERMEDIATE THEREOF	2022/05/27
2022/06001	INPUT SPREADING METHOD	2022/05/30
2022/06078	ANTI-CD3 ANTIBODIES AND METHODS OF USE	2022/06/01
2022/06081	BIOSENSORS FOR BIOLOGICAL OR CHEMICAL ANALYSIS AND METHODS OF MANUFACTURING THE SAME	2022/06/01

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2022/06123	METHODS OF TREATING HIV-1 INFECTION	2022/06/01
2022/06175	USE OF CARBON BLACK FOR SOIL CONDITIONING	2022/06/02
2022/06176	IMAGE CODING APPARATUS AND METHOD BASED ON SIGNALING OF INFORMATION FOR FILTERING	2022/06/02
2022/06198	GRAVEL SURFACE CHEMICAL SLURRY TREATMENT DEVICE AND METHOD	2022/06/03
2022/06200	METHOD FOR CREATING NEW GENE IN ORGANISM AND USE THEREOF	2022/06/03
2022/06245	ON-BIPOLAR CELL-SPECIFIC PROMOTERS FOR OCULAR GENE DELIVERY	2022/06/06
2022/06266	PD-L1 ANTAGONIST COMPOUND	2022/06/06
2022/06267	LAMINATED GLASS INTERLAYER FILM AND LAMINATED GLASS	2022/06/06
2022/06271	DETERGENT COMPOSITION	2022/06/06
2022/06272	2-AMINO-N-(AMINO-OXO-ARYL-LAMBDA6-SULFANYLIDENE)ACETAMIDE COMPOUNDS AND THEIR THERAPEUTIC USE	2022/06/06
2022/06275	TOTE BAG FOR HOLDING SPARE SHOES	2022/06/06
2022/06276	DISPENSER AND METHOD OF USE THEREOF	2022/06/06
2022/06324	ELECTRICALLY HEATED CARBON MONOOXIDE REACTOR	2022/06/07
2022/06329	ANODE FOR LITHIUM-ION BATTERY AND METHOD OF FABRICATING SAME	2022/06/07
2022/06330	MULTIFUNCTIONAL POLYMER BINDER FOR ANODE AND METHOD OF PRODUCING SAME	2022/06/07
2022/06378	CONTROLLING AEROSOL PRODUCTION DURING ABSORPTION IN AMMONIA-BASED DESULFURIZATION	2022/06/08
2022/06381	SUSTAINED RELEASE FORMULATIONS USING NON-AQUEOUS EMULSIONS	2022/06/08
2022/06423	COMPOSITION COMPRISING NONIONIC SURFACTANT(S) OF ALKYLPOLYGLYCOSIDE TYPE, POLYOL(S), C8-C30 FATTY ACID ESTER(S) OF SORBITAN AND CATIONIC POLYMER(S)	2022/06/09
2022/06427	PRECIOUS METAL RECOVERY FROM CARBON FINES	2022/06/09

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2022/06435	DETERGENT COMPOSITION	2022/06/09
2022/06439	USE OF PHOSPHODIESTERASE 5 INHIBITOR IN PREPARATION OF MEDICAMENT FOR RESISTING FIBROTIC DISEASES	2022/06/09
2022/06448	SHEARING NUT FOR A ROOF BOLT	2022/06/07
2022/06587	SECURITY DOCUMENT HAVING A PERSONALISED IMAGE FORMED FROM A METAL HOLOGRAM AND METHOD FOR THE PRODUCTION THEREOF	2022/06/14
2022/06588	METAL SALTS AND USES THEREOF	2022/06/14
2022/06622	IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION OPTIMIZATION	2022/06/15
2022/06668	USE OF GRANULAR PYROLYTIC CARBON FOR SOIL CONDITIONING	2022/06/15
2022/06670	ANTI-LY6G6D ANTIBODIES AND METHODS OF USE	2022/06/15
2022/06671	FILTERING DEVICE, GENERATOR AND WIND TURBINE GENERATOR SYSTEM	2022/06/15
2022/06673	BDPCM-BASED IMAGE DECODING METHOD FOR LUMA COMPONENT AND CHROMA COMPONENT, AND DEVICE FOR SAME	2022/06/15
2022/06756	CROSSLINKED BUTYRATE OR BUTYRATE-FORMATE DERIVATIVES OF HYALURONIC ACID AND THE CROSSLINKING PROCESS THEREOF	2022/06/17
2022/06761	IMAGE/VIDEO ENCODING/DECODING METHOD AND DEVICE	2022/06/17
2022/06762	METHOD AND DEVICE FOR SIGNALING INFORMATION RELATED TO SLICE IN IMAGE/VIDEO ENCODING/DECODING SYSTEM	2022/06/17
2022/06766	PROTECTIVE VARNISH, IN PARTICULAR FOR SECURITY DOCUMENTS	2022/06/17
2022/06809	HIV VACCINES COMPRISING ONE OR MORE POPULATION EPISENSUS ANTIGENS	2022/06/20
2022/06813	PHARMACEUTICAL COMPOSITION OF CYCLOOXYGENASE – 2 INHIBITORS	2022/06/20
2022/06826	SYSTEMS AND METHODS FOR INTEGRATED CO2 REUSE USING VAPOR COMPRESSION	2022/06/20
2022/06828	LOOSENING PREVENTION DEVICE	2022/06/20

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2022/06829	PREPARATION METHOD FOR FERROVANADIUM ALLOY	2022/06/20
2022/06832	ADAPTIVE FRAME BATCHING TO REDUCE SPEECH RECOGNITION LATENCY	2022/06/20
2022/06833	EFFICIENTLY PROVIDING A GUEST CONTEXT ACCESS TO FILE CONTENT AT A HOST CONTEXT	2022/06/20
2022/06835	METHOD FOR PURIFYING BIOLOGICALLY ACTIVE PEPTIDE BY USING PROTEIN A AFFINITY CHROMATOGRAPHY	2022/06/20
2022/06836	PROTECTING COMMERCIAL OFF-THE-SHELF PROGRAM BINARIES FROM PIRACY USING HARDWARE ENCLAVES	2022/06/20
2022/06837	COMPOUNDS FOR TREATMENT OF ALZHEIMER'S DISEASE	2022/06/20
2022/06897	SLIDING CLOSURE FOR A METALLURGICAL VESSEL	2022/06/21
2022/06899	SYSTEM AND ANTI-SPLASH, ANTICORROSIVE ELECTRODE-PROTECTING DEVICE	2022/06/21
2022/06950	A DRILL BIT ASSEMBLY FOR FLUID-OPERATED PERCUSSION DRILL TOOLS	2022/06/22
2022/06992	FUSION POLYPEPTIDE COMPRISING GDF15 AND POLYPEPTIDE REGION CAPABLE OF O-GLYCOSYLATION	2022/06/23
2022/06993	ANTI-LILRB1 ANTIBODY AND USES THEREOF	2022/06/23
2022/06994	PHARMACEUTICAL COMPOSITION FOR TREATMENT OF CANCER, COMPRISING IMMUNE CHECKPOINT INHIBITOR AND FUSION PROTEIN INCLUDING IL-2 PROTEIN AND CD80 PROTEIN	2022/06/23
2022/07042	PYROMETALLURGICAL PROCESS FOR RECOVERING NICKEL, MANGANESE, AND COBALT	2022/06/24
2022/07043	ISOTROPIC CONCENTRATE AND WASH COMPOSITIONS	2022/06/24
2022/07044	HOOKAH DEVICE	2022/06/24
2022/07048	PRODUCT WITH AN ARRAY OF CORE ELEMENTS OR VOIDS AND INTERPOSED SHEETS AND METHODS FOR FORMING SUCH A PRODUCT	2022/06/24
2022/07051	PROGRAMMED CELL DEATH RECEPTOR 1 ANTIBODY FORMULATION AND USE THEREOF	2022/06/24

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2022/07121	IMMOBILIZATION OF PHENOLIC COMPOUNDS	2022/06/27
2022/07126	A METHOD FOR UNIFIED UPLINK AND DOWNLINK BEAM INDICATION	2022/06/27
2022/07128	METHODS AND SYSTEMS FOR TRACKING REFERENCE SIGNAL PATH LOSSES IN UPLINK TRANSMISSIONS	2022/06/27
2022/07129	DEVICE FOR COVERING A SURFACE COMPRISING DISCREET LOCKING MEANS	2022/06/27
2022/07168	THERAPEUTIC DOUBLE STRANDED RNA AND METHODS FOR PRODUCING THE SAME	2022/06/28
2022/07169	METHODS, COMPOSITIONS, AND VACCINES FOR TREATING A VIRUS INFECTION	2022/06/28
2022/07171	ANCHORING ELEMENTS FOR A STEERABLE DEVICE	2022/06/28
2022/07172	SYSTEM FOR MEASURING CONTAMINATION OF AN AIR CONDITION	2022/06/28
2022/07215	A SURFBOARD AND SPRING ASSEMBLY	2022/06/29
2022/07218	IL-2 ORTHOLOGS AND METHODS OF USE	2022/06/29
2022/07221	FORGED GRINDING BALLS FOR SEMI-AUTOGENOUS GRINDER	2022/06/29
2022/07261	A STABLE, SELF-DISPERSIBLE, LOW FOAMING SOLID PESTICIDE FORMULATION	2022/06/30
2022/07262	NUCLEOTIDE HEMI-SULFATE SALT FOR THE TREATMENT OF HEPATITIS C VIRUS	2022/06/30
2022/07273	SYSTEMS AND METHODS FOR ADAPTIVE COLLECTION OF QUALITY OF EXPERIENCE (QOE) MEASUREMENTS	2022/06/30
2022/07850	METHODS, PROCESSES AND INTERMEDIATES FOR PREPARING CHROMAN COMPOUNDS	2022/07/14
2022/08051	PROTEIN DEGRADATION AGENT COMPOUND PREPARATION METHOD AND APPLICATION	2022/07/19
2022/08338	ROTARY CRUSHING MACHINE, AND BEARING ABNORMALITY DETECTING METHOD FOR ROTARY CRUSHING MACHINE	2022/07/26
2022/08339	ANTI-LAG3 MONOCLONAL ANTIBODY, AND PREPARATION METHOD THEREFOR AND USE THEREOF	2022/07/26

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2022/08636	FORMULATIONS AND USES THEREOF	2022/08/02
2022/08795	COMPOSITIONS AND METHODS FOR ORGAN-PROTECTIVE EXPRESSION AND MODULATION OF CODING RIBONUCLEIC ACIDS	2022/08/05
2022/08936	ZOOM CELL	2022/08/10
2022/09171	8-[6-[3-(AMINO)PROPOXY]-3-PYRIDYL]-1 -ISOPROPYL-IMIDAZO[4,5-C]QUINOLIN-2-ONE DERIVATIVES AS SELECTIVE MODULATORS OF ATAXIA TELANGIECTASIA MUTATED (ATM) KINASE FOR THE TREATMENT OF CANCER	2022/08/16
2022/09235	BEAM FAILURE RECOVERY FOR SINGLE DCI-BASED M-TRP URLLC TRANSMISSIONS	2022/08/17
2022/09356	PRODUCTION OF LIGHT OLEFINS FROM CRUDE OIL VIA FLUID CATALYTIC CRACKING PROCESS AND APPARATUS	2022/08/19
2022/09582	A MAST WITH A MECHANISM FOR PIVOTING THE ELONGATE POST	2022/08/26
2022/09693	PHARMACEUTICAL FORMULATION COMPRISING BEVACIZUMAB	2022/08/30
2022/09778	THREE-DIMENSIONAL FILM SEALING	2022/09/01
2022/09963	FORGED FLEXIBLE TRAILING ARM HAVING AN OMEGA SHAPED CROSS SECTION	2022/09/07
2022/09970	NEUROTOXIN COMPOSITIONS FOR USE IN TREATING CARDIOVASCULAR DISORDERS	2022/09/07
2022/10186	INTRA PREDICTION-BASED VIDEO ENCODING/DECODING METHOD AND DEVICE	2022/09/14
2022/10615	NOVEL AEROSOL-GENERATING SUBSTRATE COMPRISING ROSMARINUS SPECIES	2022/09/26
2022/10616	AEROSOL-GENERATING ARTICLE WITH IMPROVED CONFIGURATION	2022/09/26
2022/10618	AEROSOL-GENERATING ARTICLE WITH DUAL HOLLOW TUBULAR SEGMENT	2022/09/26
2022/10619	VENTILATED AEROSOL-GENERATING ARTICLE WITH INDUCTION HEATING	2022/09/26
2022/10624	ANTI-CD137 CONSTRUCT AND USE THEREOF	2022/09/26
2022/10626	ANTI-CD137 CONSTRUCTS, MULTISPECIFIC ANTIBODY AND	2022/09/26

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	USES THEREOF	
2022/10942	ELECTRONIC PADLOCK	2022/10/05
2022/10947	COLD ROLLED AND ANNEALED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME	2022/10/05
2022/11114	ANNEALING METHOD OF STEEL	2022/10/11
2022/11321	N,N'-GUANIDINODIACETIC ACID	2022/10/14
2022/11455	METHODS FOR THE USE OF A B7-H3 ANTIBODY-DRUG CONJUGATE ALONE OR IN COMBINATION	2022/10/19
2022/11559	SERVICE ARRANGEMENT	2022/10/24
2022/12117	WASTE MANAGEMENT SYSTEM AND WASTE MANAGEMENT METHOD	2022/11/07
2022/12150	TRICYCLIC COMPOUNDS AS EGFR INHIBITORS	2022/11/07
2022/12287	INTEGRATED JOINING SYSTEM IN TUBULAR FLUID DISTRIBUTION ELEMENTS	2022/11/10
2022/12514	LOCK AND SWITCH CONTROLLER SYSTEM, LOCK AND SWITCH DEVICE WITH OFFLINE RESPONSIVENESS, LOCK AND SWITCH CONTROLLER SYSTEM WITH FLEXIBLE COMMANDS	2022/11/16
2022/12542	ANTHROPOMETRIC GROWTH APPARATUS	2022/11/17
2022/12693	VENTILATOR AND METHOD OF VENTILATION	2022/11/21
2022/12772	CONTAINER CLOSURE	2022/11/23
2022/12851	AWNING FOR VEHICLE	2022/11/25
2022/13000	HOUSING FOR A LASER PROCESSING MACHINE AND LASER PROCESSING MACHINE HAVING A HOUSING	2022/11/30
2022/13001	HOUSING FOR A LASER PROCESSING MACHINE AND LASER PROCESSING MACHINE HAVING A HOUSING	2022/11/30
2022/13097	ECCENTRIC SCREW PUMP WITH A MODULAR DESIGN	2022/12/02
2022/13098	PLASTIC CONTAINER COMPRISING AT LEAST ONE ANTI-ROTATION PORTION	2022/12/02
2022/13371	COMPOSITIONS AND METHODS USEFUL FOR THE PREVENTION AND/OR TREATMENT OF DISEASE IN MAMMALS	2022/12/09
2022/13687	USE OF HPK1 KINASE INHIBITOR IN PREVENTING AND/OR TREATING PATHOGEN INFECTION IN ANIMALS	2022/12/19

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2022/13704	AUTOMOTIVE CARGO/TRAY COVER ASSEMBLY	2022/12/19
2022/13888	NEW PHTHALATE-FREE ISOCYANURATE COMPOSITION AND USE THEREOF	2022/12/21
2023/00167	A METHOD OF REDUCING SKIN IRRITATION, COMPRISING THE APPLICATION TO THE SKIN OF AN ALPHA-BISABOLOL PREPARED BY A BIOTECHNOLOGICAL PROCESS	2023/01/03
2023/00318	SYSTEM FOR POLYCHAETE PRODUCTION COMPRISING A RETRIEVABLE TRAY, AND METHOD FOR POLYCHAETE PRODUCTION	2023/01/06
2023/00319	METHODS FOR PRODUCING POLYISOPRENE LATEX DISPERSIONS	2023/01/06
2023/00324	METHOD AND SYSTEM FOR SEPARATING A FEED FLOW	2023/01/06
2023/00495	TURRET WITH A ZERO STOP	2023/01/11
2023/00503	LIGHTING DEVICE FOR HANDHELD SURGICAL INSTRUMENT WITH SMOKE EVACUATION SYSTEM	2023/01/11
2023/00599	BIO-BASED PLASTICISER FOR RESINS AND BLENDS CONTAINING SAID PLASTICISER	2023/01/13
2023/00610	SYSTEM AND METHOD FOR CROP MONITORING	2023/01/13
2023/00872	METHODS AND COMPOSITIONS FOR TREATING SARS-COV-2 INFECTION USING CARBOXYAMIDOTRIAZOLE OROTATE	2023/01/19
2023/00960	A MONITORING SYSTEM	2023/01/23
2023/00980	ANTIBODIES SPECIFICALLY RECOGNIZING C5A AND USES THEREOF	2023/01/23
2023/00984	COSMETIC COMPOSITION COMPRISING CAPSULES	2023/01/23
2023/01087	RIPPLE DETECTION APPARATUS AND RIPPLE SUPPRESSION APPARATUS	2023/01/25
2023/01150	GAS FILTER HOUSING WITH REPLACEABLE GAS FILTER MEDIA FOR MEDICAL VENTILATION SYSTEMS	2023/01/27
2023/01275	INDOLE COMPOUNDS AS ANDROGEN RECEPTOR MODULATORS	2023/01/31
2023/01534	A PERSONAL CARE DEVICE	2023/02/07
2023/02072	INDOLE ALKALOID WITH FUNGICIDAL EFFECT	2023/02/20

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2023/02084	ANTIBODY THAT BINDS TO VEGF-A AND ANG2 AND METHODS OF USE	2023/02/20
2023/02087	DUAL ACTING POLYMERS IN AN OSMOTIC FILM FOR TOPICAL APPLICATION TO TREAT INFLAMMATORY DISEASES AND CYTOKINE RELEASE SYNDROME	2023/02/20
2023/02151	MODIFIED EZETIMIBE DRUG FOR CANCER TREATMENT	2023/02/21
2023/02287	METHOD AND PLANT FOR PREPARING DIMETHYL ETHER	2023/02/22
2023/02544	PLANT GROWTH REGULATOR COMPOUNDS	2023/02/24
2023/02906	SCALABLE SYNTHESIS OF PERIMORPHIC CARBONS	2023/02/27
2023/03021	PENETROMETER	2023/02/28
2023/03089	FINITE TIME INPUT SATURATION CONTROL METHOD FOR PATH TRACKING OF UNMANNED SURFACE VEHICLE UNDER STOCHASTIC DISTURBANCE	2023/02/28
2023/03157	A DISPENSER	2023/02/28
2023/03260	BUSHING	2023/03/02
2023/03308	MOUNTING FOR BEARING ASSEMBLY	2023/03/03
2023/03326	HIGH RECOVERY PROCESS FOR PURIFICATION OF MULTICOMPONENT GASES BY PRESSURE SWING ADSORPTION	2023/03/03
2023/03352	INTEGRATED PASSIVE REACTOR	2023/03/06
2023/03370	METHOD OF SENDING CRYPTOCURRENCIES TO A CUSTOM USERNAME ATTACHED TO A FIXED WALLET ADDRESS	2023/03/07
2023/03388	SYNERGISTIC INSECTICIDAL COMPOSITION	2023/03/07
2023/03452	EXTENDABLE COUPLER	2023/03/09
2023/03534	CONVERSION SYSTEM OF ONE-MACHINE MULTI-POINT TRACTION TURNOUT	2023/03/13
2023/03721	METHOD AND SYSTEM FOR FEEDING A LIQUID ORGANIC PEROXIDE TO A POLYMER MELT PROCESSING EQUIPMENT	2023/03/20
2023/03741	VEHICLE	2023/03/22
2023/03817	DRY COLLAGEN POWDER WITH SATIATING PROPERTIES AND METHOD FOR ITS PREPARATION	2023/03/24
2023/03913	PYRIMIDINE CARBOXAMIDE COMPOUND AND APPLICATION THEREOF	2023/03/28
2023/03914	DATA TRANSMISSION METHOD,	2023/03/28

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	ELECTRONIC DEVICE AND COMPUTER-READABLE STORAGE MEDIUM	
2023/03923	SYSTEM AND METHOD FOR NETWORK ACCESS PAYMENT PROCESSING	2023/03/29
2023/03970	METHOD FOR CLEANING THE HEAT EXCHANGE TUBES OF STEAM GENERATORS IN A NUCLEAR POWER STATION	2023/03/29
2023/03993	HEAT TRANSFER DEVICE FORMED BY CASTING	2023/03/30
2023/04006	A FLOORPLAN VISUALISATION SYSTEM	2023/03/30
2023/04040	METHODS FOR MODIFYING THE OPTICAL APPEARANCE OF POLYMERS	2023/03/31
2023/04044	APPARATUS, METHOD, OR COMPUTER PROGRAM FOR PROCESSING AN ENCODED AUDIO SCENE USING A BANDWIDTH EXTENSION	2023/03/31
2023/04045	APPARATUS, METHOD, OR COMPUTER PROGRAM FOR PROCESSING AN ENCODED AUDIO SCENE USING A PARAMETER SMOOTHING	2023/03/31
2023/04126	NUCLEAR FUEL ROD AND MANUFACTURING METHOD	2023/04/04
2023/04127	VIBRATING FEEDER FOR CEMENT PRODUCTION	2023/04/04
2023/04128	HOSE STORAGE CONTAINER	2023/04/04
2023/04153	RADIATION HEAT DISSIPATION AND RADIATION HEAT COLLECTION-BASED COLD AND HOT CENTRAL AIR CONDITIONING SYSTEM	2023/04/04
2023/04179	DEVICE FOR CLEANING HEAT EXCHANGE TUBES OF A STEAM GENERATOR OF A NUCLEAR POWER PLANT	2023/04/05
2023/04213	TECHNIQUE FOR ENABLING EXPOSURE OF INFORMATION RELATED TO ENCRYPTED COMMUNICATION	2023/04/06
2023/04216	SYSTEM AND METHOD FOR INSPECTING NUCLEAR FUEL PELLETS	2023/04/06
2023/04238	PROTEINS AND BIOLOGICAL MATERIALS RELATED TO RICE (ORYZA SATIVA L.) YIELD, AND USE THEREOF IN RICE YIELD INCREASE	2023/04/06

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2023/04239	OPERATING MECHANISM OF CIRCUIT BREAKER, AND CIRCUIT BREAKER	2023/04/06
2023/04240	OPERATING MECHANISM OF CIRCUIT BREAKER	2023/04/06
2023/04241	MOVING CONTACT MECHANISM	2023/04/06
2023/04242	OPERATING MECHANISM OF CIRCUIT BREAKER AND ASSEMBLING METHOD	2023/04/06
2023/04243	QUICK TRIPPING DEVICE AND CIRCUIT BREAKER	2023/04/06
2023/04253	DEVICE FOR DETERMINING MOLECULAR WEIGHT OF HIGH POLYMER	2023/04/11
2023/04254	HIGH-SPEED SEALING TEST DEVICE	2023/04/11
2023/04255	APPLICATION OF ATM PROTEIN IN THE PREPARATION OF PNEUMOCONIOSIS DIAGNOSIS PRODUCTS	2023/04/11
2023/04256	A NOVEL RICE STARCH BASED BIO-CONTROL FORMULATION	2023/04/11
2023/04257	VERTICAL AXIS WIND TURBINE	2023/04/11
2023/04258	HYDRAULIC DRIVING OIL PUMPING UNIT	2023/04/11
2023/04259	TOOTHBRUSH STRUCTURE	2023/04/11
2023/04260	TRAFFIC SIGN DETECTION ALGORITHM BASED ON LIGHTWEIGHT SSD	2023/04/11
2023/04261	DEVICE FOR QUICKLY CUTTING AND HARVESTING SUGARCANE AND USE METHOD THEREOF	2023/04/11
2023/04263	RAINWATER WELL DEVICE WITH FILTERING FUNCTION	2023/04/11
2023/04264	HYDROGEN PRODUCTION SYSTEM BASED ON DRY REFORMING OF METHANE	2023/04/11
2023/04271	RURAL INDUSTRIAL INFORMATION MANAGEMENT SYSTEM	2023/04/11
2023/04272	A RECONSTRUCTION METHOD FOR OPTICAL REMOTE SENSING TIME SERIES IMAGES AND ITS SYSTEM	2023/04/11
2023/04273	SIMULATED TUNNEL GROUTING DEVICE AND USING METHOD THEREFOR	2023/04/11
2023/04311	DRUG RESISTANCE OF TARGET STRAINS OF A PATHOGEN	2023/04/11
2023/04324	GEOGRAPHICAL KNOWLEDGE MAPPING QUALITY DETERMINATION METHOD BASED ON LIFE CYCLE THEORY	2023/04/12

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2023/04325	A JOINT FACE ALIGNMENT METHOD AND SYSTEM CONSIDERING GLOBAL RIGID AND LOCAL NONRIGID	2023/04/12
2023/04328	METHOD FOR REDUCING ENERGY CONSUMPTION OF HIGH-PRESSURE ROLLER MILLING-BALL MILLING SYSTEM	2023/04/12
2023/04331	APPARATUS AND METHOD FOR ENCODING A PLURALITY OF AUDIO OBJECTS USING DIRECTION INFORMATION DURING A DOWNMIXING OR APPARATUS AND METHOD FOR DECODING USING AN OPTIMIZED COVARIANCE SYNTHESIS	2023/04/12
2023/04355	A METHOD AND SYSTEM FOR AUTHENTICATING A USER	2023/04/12
2023/04356	IMMUNOGENIC ANTIGENS	2023/04/12
2023/04363	COMPOSITE FILTER TIP MATERIAL FOR CIGARETTES	2023/04/12
2023/04364	CULTURE METHOD OF CITRUS SEEDS FOR GRAFTING	2023/04/12
2023/04365	MINING METHOD WITHOUT COAL PILLAR IN MINING AREA FOR COMPREHENSIVE PREVENTION AND CONTROL OF ROCK BURST AND GAS	2023/04/12
2023/04371	ACOUSTIC THERAPY EARPHONE	2023/04/13
2023/04372	EXPRESSION VECTOR FOR SPECIFICALLY EXPRESSING SARS-COV-2 PROTEIN VACCINE BY USING RICE ENDOSPERM CELL, AND APPLICATION THEREOF	2023/04/13
2023/04373	GEOPOLYMER FOAMED CONCRETE AND PREPARATION METHOD THEREOF	2023/04/13
2023/04374	A HUMAN FLOW DISPERSAL DEVICE SUITABLE FOR ENCLOSED LARGE ACTIVITY PLACE	2023/04/13
2023/04375	ADJUSTABLE AND EASY-TO-WEAR STERILE GLOVES	2023/04/13
2023/04386	CARRABIITOL FORMULATION TO MAINTAIN OSMOTIC BALANCE IN PLANTS AGAINST ABIOTIC STRESS AND METHOD OF EXTRACTION & PREPARATION THEREOF	2023/04/13
2023/04407	SYSTEM, METHOD AND DEVICE FOR NON-INVASIVELY IDENTIFYING CHRONIC KIDNEY DISEASES FROM SALIVA OF A USER	2023/04/14
2023/04408	BONE SCAFFOLD WITH POROUS	2023/04/14

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	STRUCTURE AND PREPARATION METHOD THEREOF	
2023/04436	A FRESH WATER FISH OVERWINTERING FEED AND ITS APPLICATION AND A SLOW RELEASE FEED	2023/04/14
2023/04446	PYROLYSIS AND CARBONIZATION DEVICE FOR GRANULAR COALS	2023/04/17
2023/04447	ULTRASONIC-ASSISTED SOLDERING METHOD OF TIN-BASED LEAD-FREE COMPOSITE SOLDER REINFORCED WITH NICKEL-PLATING GRAPHENE	2023/04/17
2023/04448	ADJUSTABLE DOUBLE-SIDED CHINESE LANGUAGE AND LITERATURE EDUCATION EXPLANATION DEVICE	2023/04/17
2023/04449	RICE YEAST SELENIUM-RICH AGENT AND PREPARATION METHOD AND APPLICATION THEREOF	2023/04/17
2023/04450	MICROBIAL INOCULUM FOR PURIFYING BREEDING WASTEWATER AND PREPARATION METHOD THEREOF	2023/04/17
2023/04451	UNIVERSAL METER POINTER READING RECOGNITION METHOD BASED ON TEMPLATE MATCHING	2023/04/17
2023/04453	A MECHANICAL AND ELECTRICAL EQUIPMENT WITH SAFETY PROTECTION FUNCTION	2023/04/17
2023/04454	CONSTRUCTION METHOD OF HYDRODYNAMIC SIMULATION PLATFORM BASED ON DIRECTX DISPLAY TECHNOLOGY	2023/04/17
2023/04458	A MOTOR STRUCTURE FOR REDUCING BEARING TEMPERATURE RISE AND A MANUFACTURING METHOD THEREOF	2023/04/17
2023/04459	BREAKAWAY FIFTH WHEEL COUPLING	2023/04/17
2023/04474	TEMPERATURE CONTROL PROTECTION DEVICE AND CORRESPONDING CHARGING DEVICE	2023/04/17
2023/04480	IMPURITY-REMOVING AND WATER-SAVING PURIFICATION DEVICE FOR WATER QUALITY OF WATER CONSERVANCY PROJECT	2023/04/18
2023/04481	MANAGEMENT SYSTEM FOR SCIENTIFIC RESEARCH OF SUBJECT GROUPS IN	2023/04/18

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	LABORATORIES	
2023/04482	SYSTEM FOR LABORATORY STANDARDIZATION	2023/04/18
2023/04483	METHOD FOR CULTIVATING PEANUT BUDS ENRICHED WITH RESVERATROL	2023/04/18
2023/04486	EARLY WARNING AND MONITORING SYSTEM FOR INSTABILITY OF DANGEROUS ROCK MASSES	2023/04/18
2023/04487	HIGHLAND BARLEY SOY SAUCE AND BREWING METHOD THEREOF	2023/04/18
2023/04488	FERTILIZING METHOD FOR IMPROVING AROMA PRECURSORS OF GREEN TEA FRESH LEAVES	2023/04/18
2023/04489	RECONSTITUTED GREEN TEA WITH HIGH GAMMA-AMINOBUTYRIC ACID CONTENT AND PREPARATION METHOD THEREOF	2023/04/18
2023/04494	BINDER FOR AN AGGLOMERATION PROCESS	2023/03/17
2023/04499	THERMAL PUMP REFRIGERANTS	2023/04/18
2023/04500	AN IMPACT PROTECTIVE COMPOSITE MATERIAL	2023/04/18
2023/04508	MICROFLUIDIC DEVICE AND METHOD FOR ANALYSIS OF A PARTICULATE SAMPLE	2023/04/18
2023/04521	DAM TIME-SHIFT MONITORING METHOD AND SYSTEM BASED ON SHALLOW TRANSIENT ELECTROMAGNETIC METHOD	2023/04/18
2023/04522	A PREPARATION METHOD OF HEALTHY AND ENVIRONMENTALLY FRIENDLY BROWN GOLD GLASS FOR PACKAGING	2023/04/19
2023/04523	COLD-REGION CORN STALK DECOMPOSED MATRIX SOIL FOR CUCUMIS SATIVUS SEEDLING CULTURE AND PREPARATION METHOD AND APPLICATION THEREOF	2023/04/19
2023/04524	COLD-REGION CORN STALK DECOMPOSED MATRIX SOIL FOR CAPSICUM ANNUUM SEEDLING CULTURE AND PREPARATION METHOD AND APPLICATION THEREOF	2023/04/19
2023/04527	AN EDGE CLOUD - BASED SYSTEM WITH HYBRIDIZED RANDOM FOREST DEEP LEARNING CLASSIFICATION MODEL FOR PNEUMONIA IDENTIFICATION	2023/04/19

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2023/04528	A METHOD OF CHARACTERIZING AND EVALUATING A TARGETED DRUG DELIVERY FOR MALIGNANT TUMOURS	2023/04/19
2023/04529	COMPREHENSIBLE ARTIFICIAL INTELLIGENCE TO ASSESS CORPORATE SECURITY OPERATIONS USING EEG DATA WITHIN IOT FRAMEWORK	2023/04/19
2023/04530	AN AI AND ML MODELS FOR CARDIOVASCULAR DISEASE DIAGNOSTICS, READMISSION, AND SURVIVAL PREDICTION	2023/04/19
2023/04572	AN ENGLISH LEARNING MACHINE WITH INTERACTION FUNCTION	2023/04/20
2023/04573	A PREPARATION METHOD OF FLUORITE-TYPE HIGH ENTROPY CERAMICS	2023/04/20
2023/04574	PREPARATION METHOD OF HEAT-INSULATING AND REFLECTIVE ARTIFICIAL COLOR SAND FOR BUILDINGS	2023/04/20
2023/04575	FERTILIZATION AND IRRIGATION SYSTEM FOR MOUNTAIN TEA GARDEN	2023/04/20
2023/04621	A METHOD FOR MULTIMODAL LOGISTICS DELIVERY OF GOODS BASED ON BLOCKCHAIN TECHNOLOGY	2023/04/21
2023/04622	ROTATION TILLAGE METHOD FOR PADDY FIELDS IN COLD REGIONS	2023/04/21
2023/04623	WATER-PHASE SYNTHESIS METHOD OF TETRABROMO PHENOL TETRAHALOGENATED SUOFONEPHTHALEIN	2023/04/21
2023/04624	MOBILE BASKET FOR BRIDGE GUARDRAIL CONSTRUCTION	2023/04/21
2023/04625	PREPARATION METHOD FOR A ZIF-DERIVED POROUS CARBON-SUPPORTED CO/SE BIATOMIC SITE ORR CATALYST	2023/04/21
2023/04626	DEVICE FOR RAPIDLY DETECTING ANTHOCYANINS IN COLORED RICE IN FIELD	2023/04/21
2023/04634	A METHOD FOR SUSTAINABLE GREEN ENERGY OPTIMIZATION FOR EDGE CLOUD COMPUTING WITH RENEWABLE ENERGY RESOURCES	2023/04/21
2023/04667	HIGH-BARRIER AND HIGH-STRENGTH COMPOSITE PACKAGING FILM AND PREPARATION METHOD THEREOF	2023/04/24

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2023/04668	DOUBLE-SCREW FOUR-LAYER CO-EXTRUDED PE SINGLE-MATERIAL PACKAGING FILM AND PREPARATION METHOD THEREOF	2023/04/24
2023/04669	PUMPING TREATMENT SYSTEM FOR GROUNDWATER WITH HEAVY ORGANIC POLLUTION	2023/04/24
2023/04673	STRUCTURE FOR SEISMIC ISOLATION NODE JOINT OF INTERSECTION OF BUILDING WALL AND CONCRETE AND CONSTRUCTION METHOD THEREOF	2023/04/24
2023/04674	DYNAMIC MONITORING SYSTEM FOR LANDSLIDES AND DEBRIS FLOWS	2023/04/24
2023/04675	A METHOD FOR ULTRASONIC-OZONE SYNERGISTICALLY ENHANCED LEACHING OF INDIUM AND ZINC FROM ZINC DUST	2023/04/24
2023/04676	CULTIVATION METHOD FOR EARLY FRUITING AND HIGH YIELDS OF DONGSHI PRECOCIOUS POMELOS	2023/04/24
2023/04677	SEAWATER FRY REARING APPARATUS	2023/04/24
2023/04678	MOVABLE MAHOGANY BED AND MOVING METHOD	2023/04/24
2023/04679	FORMULA OF FLAVORED SHREDDED DRIED SCALLOP SEASONING SAUCE, PREPARATION METHOD AND EFFECTS THEREOF	2023/04/24
2023/04680	MOVABLE AND FOLDABLE WARDROBE AND USE METHOD THEREOF	2023/04/24
2023/04681	FORMULA OF QUICK-FERMENTED HARMLESS AND ODORLESS BIOLOGICAL FERTILIZER, PREPARATION METHOD AND EFFECTS THEREOF	2023/04/24
2023/04682	C55 CONCRETE WITH SYNERGISTIC EARLY PERFORMANCE OF HLX POLYCARBOXYLIC ACID SUPERPLASTICIZER AND POLYPROPYLENE FIBER	2023/04/24
2023/04683	SEGMENTATION METHOD FOR IMAGE WITH DERMATOLOGICAL LESION	2023/04/24
2023/04685	CYCLIC PLANTING-CULTURING SYSTEM AND PLANTING-CULTURING TECHNOLOGY	2023/04/24
2023/04686	DOUBLE-BINDING-SITE	2023/04/24

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	FLUORESCENT VECTOR OF MIRNA TARGET GENE AND CONSTRUCTION METHOD AND APPLICATION THEREOF	
2023/04687	FEED ADDITIVE FOR IMPROVING PANCREAS OXIDATIVE STRESS OF PIGLETS	2023/04/24
2023/04689	FEED ADDITIVE FOR REDUCING PANCREATIC CELL APOPTOSIS OF PIGLETS	2023/04/24
2023/04690	LANDSLIDE MONITORING AND WARNING METHOD AND SYSTEM BY GROUND-BASED RADAR	2023/04/24
2023/04691	A METHOD FOR SYNTHESIZING MESOPOROUS FE/AL/LA TRIMETALLIC OXIDE FOR PHOTODEGRADATION OF VARIOUS WATER-SOLUBLE DYES	2023/04/24
2023/04692	MULTI LEVEL AIRPORT RUNWAY SYSTEM	2023/04/24
2023/04693	THE BLADE VEIN CHANNEL BIONIC AIR-COOLED FUEL CELL WITH PULMONARY INTAKE AND ITS METHOD	2023/04/24
2023/04697	HIGH-ACTIVITY DESULFURIZATION POWDER PREPARATION SYSTEM	2023/04/24
2023/04700	METHOD FOR THE HEAVY METAL POLLUTION PREVENTION AND CONTROL TECHNOLOGY INTEGRATION APPLIED IN HISTORICAL LEAD-ZINC SMELTING SLAG DISPOSAL SITE AND AFFECTED AREAS	2023/04/24
2023/04712	ENTERIC PELLET, PREPARATION METHOD THEREFOR, AND PREPARATION COMPRISING SAME	2023/04/24
2023/04713	SYSTEM FOR WASHING BIOLOGICAL WASTE TO RECOVER SAME AS SOLID BIOFUEL	2023/04/24
2023/04742	METHOD FOR IMPROVING THE YIELD OF BRASSICA CHINENSIS IN WINTER	2023/04/25
2023/04743	A BALANCED PRODUCTION METHOD FOR GEESE THROUGHOUT THE YEAR	2023/04/25
2023/04744	A NET BED FOR THE FLAT REARING OF GEESE ON THE NET	2023/04/25
2023/04745	ROTATABLE BREEDING AUXILIARY DEVICE	2023/04/25
2023/04746	BREEDING SPRAYING DEVICE	2023/04/25
2023/04747	METHOD FOR FABRICATING MICRO LED CHARACTER DISPLAY CHIP	2023/04/25

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2023/04748	GAS-COLLECTOR IN DRY LAND	2023/04/25
2023/04749	ELDERLY-ORIENTED ANTI-FALLING AND ANTI-DROWNING BIONIC JACKET AND ITS METHOD	2023/04/25
2023/04751	METHOD OF IMPROVING OXIDATION RESISTANCE AND FRAGRANCE OF EUCOMMIA ULMOIDES OLIV. BEVERAGE	2023/04/25
2023/04753	MARKING DEVICE FOR DESIGN DRAWINGS OF RURAL PLANNING	2023/04/25
2023/04754	A KIND OF ORE SCREENING EQUIPMENT	2023/04/25
2023/04755	A ROCK-SOIL DETECTION DEVICE FOR ENGINEERING GEOLOGICAL SURVEY	2023/04/25
2023/04786	CONSUMABLE CHIP, CONSUMABLES, IMAGE FORMING DEVICE, AND IMAGE FORMING CONTROL METHOD	2023/04/25
2023/04790	A FRUIT AND VEGETABLE DRYING AND STORAGE DEVICE	2023/04/26
2023/04791	AN ADJUSTABLE SOLAR BRACKET WITH A PROTECTIVE FUNCTION	2023/04/26
2023/04792	DEVICE AND METHOD CAPABLE OF ADJUSTING TREATMENT AREA OF PLASMA JETS	2023/04/26
2023/04793	ATMOSPHERIC PRESSURE PLASMA BRUSH DEVICE	2023/04/26
2023/04794	A SUBATOMOSPHERIC PRESSURE SALIVA-SUCTION DEVICE FOR ORAL MEDICINE TREATMENT	2023/04/26
2023/04802	DECORATIVE PANEL, AND COVERING OF SUCH DECORATIVE PANELS	2023/04/26
2023/04805	ELECTRIC VEHICLE CHARGING CONTROL APPARATUS	2023/04/26
2023/04806	ELECTRIC VEHICLE CHARGING CONTROL METHOD AND APPARATUS	2023/04/26
2023/04839	A MICROBIAL AGENT FOR PROMOTING FAT DEPOSITION AND ITS SEPARATION METHOD AND APPLICATION	2023/04/28
2023/04840	STONE WALL REINFORCEMENT STRUCTURE, REINFORCED STONE WALL, STONE STRUCTURE HOUSE AND CONSTRUCTION METHOD	2023/04/28
2023/04841	CALCULATION METHOD FOR FARMLAND IRRIGATION PROBABILITY INDEX BASED ON CROP WATER INDICATION LINES	2023/04/28
2023/04842	HIGH-YIELD METHOD FOR	2023/04/28

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	EXTRACTING SUPEROXIDE DISMUTASE FROM CORN	
2023/04844	ELONGATED WEB FOR COVERING AGRICULTURAL CULTIVATED PLANTS	2023/04/28
2023/04846	PLANTING METHOD OF CHESTNUT WITH HIGH DROUGHT RESISTANCE	2023/04/28
2023/04847	EXCAVATION AND DUST REMOVAL ROBOT FOR COAL MINE ROADWAY	2023/04/28
2023/04848	A PREPARATION METHOD OF COMPOUND POWDER OF SINGHARANUT STEM	2023/04/28
2023/04854	HERBAL COMPOSITION, METHOD FOR PREPARING SAME AND METHOD FOR PREVENTING OR TREATING VIRAL INFECTIONS BY ADMINISTERING THE SAME	2023/04/28
2023/04859	METHODS FOR PRODUCING REDUCED CARBON FOOTPRINT LIVESTOCK	2023/04/28
2023/04886	PREFABRICATED PARTITION WALL STRUCTURE AND INSTALLATION METHOD FOR HIGH-PERFORMANCE GRAIN STORAGE	2023/05/02
2023/04954	A ROXBURGH ROSE BEVERAGE WITH ANTIOXIDANT ACTIVITY AND A PREPARATION METHOD THEREOF	2023/05/04
2023/04978	FREEZE-THAW RESISTANT ASPHALT MIXTURE, PREPARATION METHOD AND APPLICATION THEREOF	2023/05/05
2023/04979	PREPARATION METHOD FOR TERNARY TIN-BASED COMPOUND ANODE MATERIAL OF SODIUM-ION BATTERIES	2023/05/05
2023/04980	ULTRA-HIGH PERFORMANCE CONCRETE PRECAST COLUMN AND USING METHOD THEREOF	2023/05/05
2023/04981	CURING SYSTEM FOR CONTINUOUS BEAM	2023/05/05
2023/04982	APPLICATION OF CARNOSOL IN PREPARATION OF MYOCARDIAL PROTECTIVE DRUGS	2023/05/05
2023/04983	ORAL LIQUID CONTAINING FISH PROTEOLYTIC POLYPEPTIDE SOLUTION	2023/05/05
2023/04984	APPLICATION OF GYPENOSIDES COMBINED WITH CAPSAICINOIDS IN PREPARING MEDICINES FOR PREVENTING AND/OR TREATING NAFLD	2023/05/05

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2023/04986	A DETECTION BOX FOR DETECTING AN ANTIBODY ANTIGEN BY USING A CERVICAL CANCER E7 PROTEIN AND A DETECTION METHOD THEREOF	2023/05/05
2023/04987	E7 PROTEIN SELF-HOME DETECTION CERVICAL BRUSH AND INSPECTION METHOD THEREFOR	2023/05/05
2023/04989	A WALKING MECHANISM AND DEICING DEVICE	2023/05/05
2023/04990	A SPECIAL FOLIAR FERTILIZER FOR KIWIFRUIT, AND PREPARATION AND APPLICATION METHODS THEREOF	2023/05/05
2023/04991	A GLASS PANEL INSPECTION AND CLEANING ROBOT	2023/05/05
2023/05000	POSITIVE-PRESSURE NON-AGITATING LIQUID FILTRATION	2023/05/05
2023/05013	MILLIMETER WAVE RADAR-BASED NON-CONTACT REAL-TIME VITAL SIGN MONITORING SYSTEM AND METHOD	2023/05/05
2023/05030	SHIP DETECTION METHOD BASED ON MACHINE VISION	2023/05/08
2023/05031	A TRIALDEHYDE ADHESIVE FILLER WITH ANTIBACTERIAL FUNCTION FOR ARTIFICIAL BOARD AND ITS APPLICATION	2023/05/08
2023/05032	POSITIVE ELECTRODE MATERIAL CONTAINING NANOTUBE TUNGSTEN NITRIDE AND PREPARATION METHOD THEREOF	2023/05/08
2023/05034	METHOD FOR GRAFTING COFFEE TREE WITH HIGH SURVIVAL RATE WITHOUT AFFECTING YIELDS AND APPLICATION THEREOF	2023/05/08
2023/05035	SERS PROBE BIOSENSOR AND PREPARATION METHOD AND USE METHOD THEREOF	2023/05/08
2023/05036	REJUVENATION AND RENEWAL METHOD FOR AGING COFFEE TREE AND APPLICATION THEREOF	2023/05/08
2023/05037	A NEW METHOD FOR SYNTHESIS OF CHIRAL 5,6-DIHYDROPHENIDINE COMPOUNDS	2023/05/08
2023/05038	ROBOT FOR AUTOMOTIVE STEERING PERFORMANCE TESTING IN EMC LABORATORY	2023/05/08
2023/05043	FLAME-RETARDANT DEGRADABLE EPOXY RESIN BASED ON A PHOSPHONATE STRUCTURE AND ITS PREPARATION METHOD	2023/05/08

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2023/05044	PREFABRICATED DEVICE FOR CRACKED SPECIMENS OF AMORPHOUS ALLOY FILMS	2023/05/08
2023/05045	PREPARATION METHOD OF ADSORBENT FOR REMOVING TYPICAL PERFLUORINATED COMPOUNDS IN WATER ENVIRONMENT	2023/05/08
2023/05049	DETECTION METHOD FOR RESIDUAL AMOUNTS OF CYHALOFOP-BUTYL AND CYHALOFOP-ACID IN GRAINS AND OILSEEDS	2023/05/08
2023/05056	METHOD FOR PREPARING FOAMED CERAMIC GLASS FROM TITANIUM EXTRACTION TAILINGS AND WASTE GLASS	2023/05/08
2023/05057	A BACTERIOSTATIC DILUENT BENEFICIAL TO DONKEY UTERINE HORN INSEMINATION AND A PREPARATION METHOD THEREOF	2023/05/08
2023/05058	MODULAR BUILDING ASSEMBLY STRUCTURE AND ASSEMBLY METHOD	2023/05/08
2023/05059	INTEGRATED COMPUTER DESK	2023/05/08
2023/05060	OBJECTIVE EEVALUATION METHOD, DEVICE AND MEDIUM FOR ONLINE SUBJECTIVE TEST QUESTIONS	2023/05/08
2023/05066	WIND-CLEANED PHOTOVOLTAIC SOLAR PANEL	2023/05/08
2023/05093	NON-AQUEOUS GEL COMPOSITION	2023/05/08
2023/05105	ROCK-SOIL MASS SHEARING CREEPMETER CONSIDERING DRY-WET CYCLE	2023/05/09
2023/05106	PREFABRICATED CONNECTING STRUCTURE FOR BOX-TYPE STEEL COLUMN AND PEC BEAM	2023/05/09
2023/05107	LANDFILL CONSTRUCTION DEVICE FOR INDUSTRIAL SOLID WASTE DISPOSAL	2023/05/09
2023/05108	FUSION METHOD, DEVICE AND ELECTRONIC EQUIPMENT OF MULTI-SOURCE BATHYMETRY DATA	2023/05/09
2023/05110	A METHOD FOR PREPARING A RECYCLABLE DYNAMIC COVALENT POLYDIMETHYLSILOXANE MEMBRANE	2023/05/09
2023/05111	A PREPARATION METHOD OF CLOSED ISOCYANATE WHICH CAN BE EFFICIENTLY UNSEALED AT LOW TEMPERATURE	2023/05/09

Application Number	Patent Title	Filing Date
2023/05112	IMAGE AIDED DIAGNOSIS DEVICE	2023/05/09
2023/05113	METHOD FOR RAPIDLY IDENTIFYING PURITY OF WATERMELON HYBRID SEEDS	2023/05/09
2023/05114	TRIPLE VIABLE BACTERIAL MICROCAPSULE AND PREPARATION METHOD THEREFOR	2023/05/09
2023/05115	HIGH-EFFICIENCY DENITRIFICATION AND DEPHOSPHORIZATION PROCESS SYSTEM FOR SEAWATER AQUACULTURE TAIL WATER TREATMENT	2023/05/09
2023/05116	ESTABLISHMENT OF UNLABELED QUANTITATIVE METHOD FOR DETECTING COLLAGEN IN LUNG TISSUE	2023/05/09
2023/05146	INTELLIGENT DRAWING SYSTEM FOR POLE DIAGRAM AND OCCURRENCE ROSE DIAGRAM ON ROCK MASS STRUCTURAL PLANE	2023/05/10
2023/05147	METHOD FOR DETERMINING LINALOOL CONTENT OF FLOWER FRAGRANCE COMPONENTS BASED ON ELECTRIC NOSE TECHNOLOGY	2023/05/10
2023/05149	AN EVALUATION METHOD, DEVICE, STORAGE MEDIUM, AND ELECTRONIC DEVICE	2023/05/10
2023/05150	CAMERA ADJUSTMENT FIELD	2023/05/10
2023/05152	A TRADITIONAL CHINESE MEDICINE FOR DILATING CARDIAC AND CEREBRAL VESSELS	2023/05/10
2023/05153	A DRILL ROD HANDLING SYSTEM AND METHOD OF USE THEREOF	2023/05/10
2023/05154	SYSTEM AND METHOD FOR DETECTING INSULATION DEFECTS IN AN UNDERGROUND POWER CABLE	2023/05/10
2023/05188	IDENTIFICATION METHOD OF HETIAN JADE BASED ON MULTI-ELEMENT CONTENT STATISTICS	2023/05/10
2023/05189	DIGITALIZED NITROUS OXIDE GAS DETECTION SYSTEM	2023/05/11
2023/05190	WASTE COTTON AND STRAW FIBER MIXED MULCH FILM AND ITS PREPARATION METHOD	2023/05/11
2023/05191	MULTIFUNCTIONAL COMPREHENSIVE CULTIVATION BOX FOR BREEDING HIGH-QUALITY FORAGE GRASS AND USING METHOD THEREOF	2023/05/11

Application Number	Patent Title	Filing Date
2023/05196	COUNTERWEIGHT	2023/05/11
2023/05197	COMPOUND PRESERVATIVE COMPOSITION BASED ON L-AMINO ACID GLYCAN, PREPARATION METHOD THEREFOR AND USE THEREOF	2023/05/11
2023/05198	FACE RECOGNITION SYSTEM BASED ON THREE-DIMENSIONAL RECONSTRUCTION	2023/05/11
2023/05199	FACE RECOGNITION METHOD AND SYSTEM BASED ON SINGLE FACE PICTURE	2023/05/11
2023/05202	A SEWAGE PURIFICATION METHOD BASED ON FREEZING-MICROWAVE	2023/05/11
2023/05208	SELF MINING MACHINE SYSTEM WITH AUTOMATED CAMERA CONTROL FOR OBSTACLE TRACKING	2023/05/11
2023/05209	FUEL CELL ASSEMBLY	2023/05/11
2023/05265	METHOD FOR TESTING TARGET NUCLEIC ACID IN SAMPLE	2023/05/12
2023/05282	INTELLIGENT MONITORING SYSTEM AND METHOD FOR INDUSTRIAL AUTOMATED PRODUCTION LINE	2023/05/15
2023/05468	METHOD OF GNSS MULTIPATH ERROR MITIGATION FOR DYNAMIC CARRIER PLATFORM	2023/05/19
2023/05781	CONNECTOR DEVICE APPLIED FOR NARROW SPACE	2023/05/30
2023/05782	RELAY FACILITATING FORWARD INSTALLATION	2023/05/30
2023/05783	LIQUID COOLING RADIATOR	2023/05/30
2023/05784	SHOCK-PROOF FIXING DEVICE FOR LEAD WIRE OF T-SHAPED LINE	2023/05/30
2023/05785	FIXED CLAMPING STRUCTURE FOR LEAD WIRE IN T-SHAPED POWER TRANSMISSION TOWER	2023/05/30
2023/05786	DUST-PROOF AXIAL FLOW FAN GUIDING AND COOLING DEVICE	2023/05/30
2023/05787	ANTI-LOOSENESS FIXTURE BLOCK FOR CONNECTION BETWEEN WIND TURBINE ENCODER HOUSING AND COMMUNICATION CABLE	2023/05/30
2023/06285	ANTI-FALLING FENCE HUNG EXTERNALLY ON SIDE WALL OF WIND VANE TOWER BARREL	2023/06/15
2023/06640	T CELL RECEPTORS	2023/06/28
2023/07197	LITHIUM BATTERY SEPARATOR INCLUDING POROUS PVDF-BASED RESIN COATING AND	2023/07/18

Application Number	Patent Title	Filing Date
	PREPARATION METHOD THEREFOR	
2023/07250	APPARATUS FOR LOCKING AND FIXING WIND TURBINE GENERATION ROTARY SHAFT CONTINUOUS LUBRICATING DEVICE	2023/07/20
2023/07251	VERTICAL-AXIS WIND TURBINE GENERATOR	2023/07/20
2023/07252	SAFETY OPENING AND CLOSING DEVICE OF FAN TOWER COVER PLATE	2023/07/20
2023/07253	HEAT DISSIPATING DEVICE OF CONTROL CABINET	2023/07/20
2023/07254	AGED INSULATOR DISMOUNTING DEVICE	2023/07/20
2023/07256	MAINTENANCE PLATFORM FOR TRANSFORMER	2023/07/20
2023/07257	WIND TURBINE GENERATOR SYSTEM PROVIDED WITH PROTECTIVE STRUCTURE	2023/07/20
2023/07258	TOWER FOR WIND TURBINE GENERATOR SYSTEM	2023/07/20
2023/07259	SUPPORT FRAME FOR TRANSPORTING WIND TURBINE BLADES	2023/07/20
2023/07748	A METHOD FOR PRODUCING CONCRETE USING BOTTOM ASH OF THERMAL POWER PLANTS	2023/08/07
2023/07802	CONSENSUS GRAPH LEARNING-BASED MULTI-VIEW CLUSTERING METHOD	2023/08/08
2023/07833	PREPARATION METHOD AND APPLICATION OF NOVEL INJECTION ABIRATERONE DERIVATIVE	2023/08/10
2023/07878	THREE-DIMENSIONAL MODEL REPRESENTATION DEVICE	2023/08/14
2023/07890	INJECTABLE HYDROGEL, PREPARATION METHOD THEREOF, AND APPLICATION THEREOF AS SUBMUCOSAL INJECTION SOLUTION IN ENDOSCOPIC AUXILIARY TREATMENT	2023/08/14
2023/08369	CHRONIC PAIN INTERNET PLUS MANAGEMENT PLATFORM AND CONSTRUCTION METHOD THEREOF	2023/08/30
2023/08373	SOLAR POWERED RADIATION COOLING AIR CONDITIONING DEVICE AND RADIATION COOLING METHOD	2023/08/30

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2023/08558	ORR CATALYST MATERIAL, PREPARATION METHOD THEREFOR, AND USE THEREOF	2023/09/06
2023/08665	CERAMIC COMPOSITION, SILICON NITRIDE CERAMIC MATERIAL AND PREPARATION METHOD THEREFOR, AND CERAMIC PRODUCT	2023/09/11
2023/08703	A PROCESS FOR PREPARING NON-COSURFACTANT BASED IMMEDIATE RELEASE TOPICAL FORMULATION OF A POORLY SOLUBLE NON-STEROIDAL ANTI-INFLAMMATORY DRUG	2023/09/12
2023/08796	ADAPTIVE WELDING SEAM TRACKING METHOD	2023/09/15
2023/08867	COLLECTING DEVICE, KIT, MANUFACTURING PROCESS, SAMPLING METHODS AND USE	2023/09/19
2023/08991	ELECTROCARDIOGRAM COLLECTION SYSTEM AND METHOD, AND PREPARATION METHOD FOR ELECTROCARDIOGRAM COLLECTION SYSTEM	2023/09/22
2023/09030	COUPLING CONTROL SYSTEM AND METHOD THEREOF OF ROADWAY SURROUNDING ROCK ANCHORING AND PRESSURE RELIEF IN KEY AREAS OF SURROUNDING ROCK	2023/09/26
2023/09044	MICROWAVE PHYSIOTHERAPY ACUPOINT MOXIBUSTION DEVICE AND USE METHOD THEREOF	2023/09/26
2023/09062	COMPOSITE MEMBRANE OF SPECIAL HIGHLY-ENHANCED FLUORINE-CONTAINING PROTON OR ION EXCHANGE MEMBRANE, COMPOSITE MEMBRANE ELECTRODE, SPECIAL HIGHLY-ENHANCED FLUORINECONTAINING CHLOR-ALKALI BATTERY MEMBRANE, SPECIAL RELEASE MEMBRANE, AND PREPARATION METHOD THEREFOR	2023/09/26
2023/09063	A FISH-PASSING SYSTEM AND A FISH-PASSING METHOD WITH TOURIST ORNAMENTAL FUNCTION	2023/09/26
2023/09409	MINIATURE WIND POWER STORAGE DIRECT-CURRENT POWER SUPPLY SYSTEM AND APPARATUS	2023/10/09
2023/09450	WHEEL CARRIER	2023/10/10
2023/09465	METHOD OF EXTRACTING	2023/10/10

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	MYRICETIN FROM XANTHOCERAS SORBIFOLIA BUNGE	
2023/09527	IONIZABLE LIPIDS AND COMPOSITIONS FOR NUCLEIC ACID DELIVERY	2023/10/11
2023/09547	NEURAL NETWORK MODEL-BASED PNEUMONIA FEATURE RECOGNITION METHOD AND APPARATUS, AND ELECTRONIC DEVICE	2023/10/12
2023/09569	ONLINE REAL-TIME REGISTRATION METHOD FOR INCOMPLETE THREE-DIMENSIONAL SCANNING POINT CLOUD HAVING PLANE REFERENCE	2023/10/12
2023/09644	HEAT SOURCE SYSTEM OF HOT AIR FURNACE FOR MATCHING GRAIN DRYER	2023/10/16
2023/09723	HIGH-EFFICIENT TANK-TYPE HEAT EXCHANGER WITH OIL RETURN FUNCTION FOR HEAT PUMP UNIT	2023/10/18
2023/10045	A TRADITIONAL CHINESE MEDICINE PREPARATION AND ITS APPLICATION FOR TREATING INFERTILITY	2023/10/27
2023/10047	A GRADING METHOD, DEVICE, ELECTRONIC EQUIPMENT AND STORAGE MEDIUM OF SCRAP STEEL PREHEATING	2023/10/27

DESIGNS

Advertisement List for November 2023

Number of Advertised Designs: 107

Application Number	Design Articles	Filing Date
A2020/00299	Casing for a Solar Light	2020/03/04
A2022/01310	INDIVIDUAL CAKE	2022/10/18
A2022/01311	INDIVIDUAL CAKE	2022/10/18
A2022/01312	INDIVIDUAL CAKE	2022/10/18
A2022/01313	INDIVIDUAL CAKE	2022/10/18
A2022/01314	INDIVIDUAL CAKE	2022/10/18
A2022/01699	Automobile	2022/12/22
A2022/01700	Automobile	2022/12/22
A2023/00017	PROCESSING CARTRIDGE	2023/01/03
A2023/00078	Cap for a Container	2023/01/17
A2023/00147	TRUCK BODIES	2023/02/02

Application Number	Design Articles	Filing Date
A2023/00156	LOW PROFILE - ELECTRICALLY POWERED TRANSPORTATION MINING VEHICLE	2023/02/03
A2023/00180	EXERCISING APPARATUS	2023/02/13
A2023/00185	A BOTTLE	2023/02/13
A2023/00188	Drinking Tumbler with a Cover	2023/02/13
A2023/00189	Drinking Tumbler with a Cover	2023/02/13
A2023/00190	Drinking Tumbler with a Cover	2023/02/13
A2023/00191	Drinking Tumbler with a Cover	2023/02/13
A2023/00192	Drinking Tumbler with a Cover	2023/02/13
A2023/00193	Drinking Tumbler with a Cover	2023/02/13
A2023/00194	Diagnostic Assay System	2023/02/13
A2023/00200	CONTAINER B	2023/02/15
A2023/00202	COMPONENT FOR A LIGHT FITTING	2023/02/16
A2023/00205	Cooking Appliance	2023/02/17
A2023/00206	Cooking Appliance Housing	2023/02/17
A2023/00207	Brewing Device	2023/02/17
A2023/00208	Cooking Appliance	2023/02/17
A2023/00209	Air Fryer	2023/02/17
A2023/00210	Cooking Appliance User Interface	2023/02/17
A2023/00211	Cooking Appliance Handle	2023/02/17
A2023/00212	Handles for a Cooking Appliance	2023/02/17
A2023/00213	Pot for a Cooking Appliance	2023/02/17
A2023/00214	Brewing Device	2023/02/17
A2023/00215	Beverage Frother	2023/02/17
A2023/00216	Toaster	2023/02/17
A2023/00217	Beverage Kettle	2023/02/17
A2023/00219	TROLLEY CONTAINER	2023/02/20
A2023/00224	BOTTLE CAP	2023/02/21
A2023/00227	BOTTLE CAP	2023/02/21
A2023/00229	BOTTLE CAP	2023/02/21
A2023/00231	BOTTLE CAP	2023/02/21
A2023/00234	BOTTLE CAP	2023/02/21
A2023/00236	BOTTLE CAP	2023/02/21
A2023/00238	BOTTLE CAP	2023/02/21
A2023/00240	BOTTLE CAP	2023/02/21
A2023/00242	BOTTLE CAP	2023/02/21
A2023/00244	BOTTLE CAP	2023/02/21
A2023/00246	PULL TAB	2023/02/22
A2023/00261	BOTTLE	2023/02/22
A2023/00280	Enclosure	2023/02/27
A2023/00321	WARNING SIGNS	2023/03/02
A2023/00357	BATTERY ENCLOSURE	2023/03/10
A2023/00359	BATTERY ENCLOSURE	2023/03/10
A2023/00368	A TYRE FOR HEAVY VEHICLES	2023/03/15
A2023/00378	MALE CLIP	2023/03/17
A2023/00380	MALE CLIP	2023/03/17
A2023/00384	FEMALE CLIP	2023/03/17
A2023/00405	SEALING MEMBER	2023/03/31
A2023/00406	SEALING MEMBER	2023/03/31

Application Number	Design Articles	Filing Date
A2023/00407	SEALING MEMBER	2023/03/31
A2023/00820	ENERGY STORAGE SYSTEM	2023/07/20
A2023/00821	ENERGY STORAGE SYSTEM	2023/07/20
A2023/00822	BATTERY	2023/07/20
A2023/00823	ENERGY STORAGE SYSTEM	2023/07/20
A2023/00824	GRAPHICAL USER INTERFACE FOR DISPLAYING STATUS INFORMATION ON A DISPLAY SCREEN PANEL FOR AN ENERGY STORAGE SYSTEM	2023/07/20
A2023/00893	PRINTER	2023/08/10
A2023/01009	PRINTER	2023/09/15
F2022/00709	BATHTUBS	2022/06/23
F2022/01216	A Detonator Holder	2022/10/07
F2023/00124	BOTTLE	2023/01/27
F2023/00155	LOW PROFILE - ELECTRICALLY POWERED TRANSPORTATION MINING VEHICLE	2023/02/03
F2023/00181	EXERCISING APPARATUS	2023/02/13
F2023/00196	WATER FILTRATION DEVICE	2023/02/14
F2023/00203	COMPONENT FOR A LIGHT FITTING	2023/02/16
F2023/00226	BOTTLE CAP	2023/02/21
F2023/00228	BOTTLE CAP	2023/02/21
F2023/00230	BOTTLE CAP	2023/02/21
F2023/00232	BOTTLE CAP	2023/02/21
F2023/00233	BOTTLE CAP	2023/02/21
F2023/00237	BOTTLE CAP	2023/02/21
F2023/00239	BOTTLE CAP	2023/02/21
F2023/00241	BOTTLE CAP	2023/02/21
F2023/00243	BOTTLE CAP	2023/02/21
F2023/00245	BOTTLE CAP	2023/02/21
F2023/00247	PULL TAB	2023/02/22
F2023/00263	WEAR MEMBER	2023/02/23
F2023/00270	DRAIN CHAMBER	2023/02/23
F2023/00271	DRAIN END CAP	2023/02/24
F2023/00281	Enclosure	2023/02/27
F2023/00320	CAMERA STAND	2023/03/02
F2023/00339	STRETCH HOOD PACKING SYSTEM FRAME	2023/03/06
F2023/00340	STRETCH HOOD PACKING SYSTEM FRAME	2023/03/06
F2023/00341	STRETCH HOOD PACKING SYSTEM FRAME	2023/03/06
F2023/00342	PALLETS AND CARTONS FOR LOADING SHIPPING CONTAINERS	2023/03/08
F2023/00354	ANTENNA	2023/03/09
F2023/00355	ANTENNA	2023/03/09
F2023/00356	ANTENNA	2023/03/09
F2023/00358	BATTERY ENCLOSURE	2023/03/10
F2023/00360	BATTERY ENCLOSURE	2023/03/10
F2023/00373	CONTAINER	2023/03/16

Application Number	Design Articles	Filing Date
F2023/00379	MALE CLIP	2023/03/17
F2023/00383	MALE CLIP	2023/03/17
F2023/00385	FEMALE CLIP	2023/03/17
F2023/00388	SWIMMING POOL CLEANER ACCESSORY	2023/03/22
F2023/00447	DECK BOARD	2023/04/11
F2023/00453	CONTAINERS	2023/04/11
F2023/01017	SOCKS	2023/09/20

OTHER OFFICE NOTICES

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,
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Rory Voller
Commissioner: CIPC