PATENT JOURNAL

INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

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2. PATENTS

PATENTS

APPLICATIONS FOR PATENTS

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THE PARTICULARS APPEAR IN THE FOLLOWING SEQUENCE:

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

. - APPLIED ON 2023/07/24 -

2023/07344 ~ Provisional ~54:MEASUREMENT 3 ~71:SMIT: DIRK VAN ZYL, PLOT 37, 7 MOUNTAIN DRIVE, DERDEPOORT, South Africa;SMIT: HENDRIK VAN ZYL, 98 SELROSE PARK, 5 GRIFFITH AVENUE, EQUESTRIA, South Africa ~72: SMIT: DIRK VAN ZYL ;SMIT: HENDRIK VAN ZYL ~

2023/07321 ~ Complete ~54:BACTERIAL AGENT FOR DEGRADING POLYETHYLENE FILM AND ITS APPLICATION ~71:Biotechnology Research lnstitute,CAAS, 12 Zhongguancun South Street, Haidian District, Beijing, People's Republic of China;XINJIANG AGRICULTURAL UNIVERSITY, 311 Nongda East Road, Urumqi, Xinjiang, People's Republic of China ~72: HAN Jian;HU Yanan;LUO Ming;YASEN·Shali;ZHANG Yuhong~

2023/07322 ~ Complete ~54:AI-DRIVEN SYSTEM FOR EARLY DETECTION AND DIAGNOSIS OF CATARACTS THROUGH IMAGE RECOGNITION AND MACHINE LEARNING ALGORITHMS ~71:Glocal University, Delhi-Yamunotri Marg (State Highway 57) M, Mirzapur Pole, Distt-Saharanpur, Uttar Pradesh, 247121, India ~72: Dr. P . K . Bharti;Dr. Pramod Kumar;Dr. Sanjay Kumar;Mr. Mohit Kumar;Ms. Rashda Rahman~ 33:IN ~31:202311038982 ~32:07/06/2023

2023/07328 ~ Complete ~54:HIGH-SALT MEMBRANE CONCENTRATED WATER TREATMENT METHOD AND HIGH-SALT MEMBRANE CONCENTRATED WATER TREATMENT APPARATUS ~71:BGRIMM TECHNOLOGY GROUP, Building 23, Zone 18 Of ABP, No. 188, South 4th Ring Road West, Fengtai District, Beijing, 100000, People's Republic of China ~72: CHEN, Guoqiang;YANG, Xiaosong~ 33:CN ~31:202310347330.7 ~32:03/04/2023

2023/07334 ~ Complete ~54:CD27-EXTRACELLULAR DOMAIN CAR TO TARGET CD70-POSITIVE TUMORS ~71:Board of Regents, The University of Texas System, 210 West 7th St., AUSTIN 78701, TX, USA, United States of America ~72: ACHARYA, Sunil;BASAR, Rafet;ENSLEY, Emily;MARIN COSTA, David;REZVANI, Katy;SHPALL, Elizabeth;UPRETY, Nadima~ 33:US ~31:63/141,016 ~32:25/01/2021;33:US ~31:63/270,414 ~32:21/10/2021

2023/07336 ~ Complete ~54:ADENO-ASSOCIATED VIRUS CAPSIDS AND ENGINEERED LIGAND-GATED ION CHANNELS FOR TREATING FOCAL EPILEPSY AND NEUROPATHIC PAIN ~71:Trames Bio, Inc., 1111 Broadway #1300, OAKLAND 94607, CA, USA, United States of America ~72: KANTARDZHIEVA, Albena;KERAVALA, Annahita;YEH, Edward~ 33:US ~31:63/141,121 ~32:25/01/2021;33:US ~31:63/141,124 ~32:25/01/2021;33:US ~31:63/285,929 ~32:03/12/2021

2023/07318 ~ Provisional ~54:POWER SURGE MONITORING SYSTEM ~71:PSD DISTRIBUTORS (PTY) LTD, 43 Cuckoo Street, Rustenburg, North West Province, 0299, South Africa ~72: JOHANNES JURGENS KOEN;JOHANNES JURGENS VAN TONDER COETZER;LOUIS JOHANNES KOEN~

2023/07319 ~ Provisional ~54:A METHOD OF TAGGING OBJECTS AT LEAST FOR DETERRENT, TRACKING OR DETECTION PURPOSES ~71:University of the Witwatersrand, Johannesburg, 1 Jan Smuts Avenue, Braamfontein, 2001, SOUTH AFRICA, South Africa ~72: LARKIN, James Francis Shenton~

2023/07323 ~ Complete ~54:A SYSTEM OF ELECTRONIC NOSE FOR ODOUR DETECTION ~71:Dr. Vishal Sharma, S/O Shri Kailash Chandra Sharma, Shivam Nagar 1 Plot 56, Ramnagariya, Jagatpura, Jaipur, Rajasthan, 302017, India ~72: Dr. Vishal Sharma~

2023/07325 ~ Complete ~54:A VALVE ~71:CONLOG (PTY) LTD, 10 Mzimkhulu Drive, Dube Trade Port, La Mercy, KwaZulu Natal, 4407, South Africa ~72: NORMAN ANTHONY NIEUWENHUIZEN~ 33:ZA ~31:2022/09259 ~32:18/08/2022

2023/07347 ~ Provisional ~54:HIGH TORSION PROFILE STABILISER SYSTEM ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2023/07327 ~ Complete ~54:HERBICIDAL COMPOSITION, AND PREPARATION AND USE THEREOF ~71:NANTONG JIANGSHAN AGROCHEMICAL & CHEMICALS CO., LTD, No. 998, Jiangshan Road, Economic and Technological Development Zone, Nantongshi, Joangsu, 226000, People's Republic of China ~72: DONG, Lei;DU, Hui;FAN, Meiyun;ZHU, Yanmei~ 33:CN ~31:202110714814.1 ~32:26/06/2021

2023/07338 ~ Complete ~54:MILL DISCHARGE GRATE HAVING DYNAMIC VARIABLE SIEVE OPENINGS ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: SALINAS HUDSON, Mauricio~ 33:US ~31:63/141,228 ~32:25/01/2021

2023/07330 ~ Complete ~54:SEX TOY IN THE FORM OF A VIBRATOR FOR EROGENOUS STIMULATION, METHOD AND USE ~71:R+H SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOSCIĄ INNOVISION SPÓŁKĄ JAWNA, Łostowicka 29, Poland ~72: Jens HERRGUTH~ 33:US ~31:17/157,442 ~32:25/01/2021;33:DE ~31:10 2021 101 450.6 ~32:15/02/2021

2023/07333 ~ Complete ~54:METHOD TO CHECK A COFFEE BEANS ROASTING SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BAEKELANDT, Maxime;DUBIEF, Flavien Florent;MOREND, Joël~ 33:EP ~31:20217999.0 ~32:31/12/2020

2023/07337 ~ Complete ~54:FEED DILUTION APPARATUS FOR THICKENER/CLARIFIERS ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: LEE, Joon Won;PLISKA, Brian;SCHOENBRUNN, Fred;SOK, Thien;SRINIVASAN, Muthu~ 33:US ~31:63/141,182 ~32:25/01/2021;33:US ~31:63/257,946 ~32:20/10/2021

2023/07332 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING CLRN1-ASSOCIATED HEARING LOSS AND/OR VISION LOSS ~71:Akouos, Inc., 645 Summer Street, Suite 200, BOSTON 02210, MA, USA, United States of America ~72: NG, Robert;SIMONS, Emmanuel John~ 33:US ~31:63/131,413 ~32:29/12/2020

2023/07342 ~ Complete ~54:FORMULATIONS FOR AEROSOL FORMATION AND AEROSOLS FOR THE DELIVERY OF NUCLEIC ACID ~71:ETHRIS GMBH, Semmelweisstrasse 3, 82152, Planegg, Germany ~72: CHRISTIAN DOHMEN;CHRISTIAN PLANK;PHILIPP BECK~ 33:EP ~31:21159455.1 ~32:26/02/2021

2023/07340 ~ Complete ~54:PLANAR STATOR CONFIGURATIONS FOR AXIAL FLUX MACHINES ~71:E-CIRCUIT MOTORS, INC., 10 Charles Street, Needham Heights, Massachusetts, 02494, United States of America ~72: GEORGE HARDER MILHEIM;STEVEN ROBERT SHAW~ 33:US ~31:63/150,129 ~32:17/02/2021

2023/07346 ~ Provisional ~54:THE CONVENIENT SHOPPER ~71:Dikano, 10 lietsjie, South Africa;Dikano, 10 lietsjie, South Africa ~72: Dikano~

2023/07331 ~ Complete ~54:A TILTING APPARATUS ~71:VDM SUPPLY CHAIN SOLUTIONS (PTY) LTD, FARM NO. 127/1, YZERVARKENSRUG, 7395 SALDANHA, SOUTH AFRICA, South Africa ~72: VAN ZYL, Pieter~ 33:ZA ~31:2021/10442 ~32:15/12/2021

2023/07343 ~ Complete ~54:METHODS OF PRODUCING HAEMOGENIC ENDOTHELIAL CELLS FROM PLURIPOTENT STEM CELLS ~71:ADAPTIMMUNE LIMITED, 60 Jubilee Avenue Milton Park, Abingdon, Oxfordshire, OX14 4RX, United Kingdom ~72: EVA GARCIA-ALEGRIA~ 33:GB ~31:2102297.5 ~32:18/02/2021

2023/07320 ~ Complete ~54:METHOD FOR FILTERING NONHOMOLOGOUS FRAGMENTS IN SEQUENCE MATRIX OF ORTHOLOGOUS NUCLEAR PROTEIN-CODING GENES ~71:Kunming Institute of Botany, Chinese Academy of Sciences, No. 132, Lanhei Road, Kunming City, Yunnan Province, 650201, People's Republic of China ~72: HE, Zhengshan;YANG, Junbo;YANG, Zhiyun;ZENG, Chunxia~

2023/07326 ~ Complete ~54:VEHICLE CONTROL SYSTEM AND METHOD ~71:Transportation IP Holdings, LLC, 901 Main Avenue, NORWALK 06851, CT, USA, United States of America ~72: AGARWAL, Etika;FELIX, Sarah;MATHEWS Jr., Harry Kirk;SEENUMANI, Gayathri Indra;SINGAL, Kalpesh~ 33:US ~31:63/391,835 ~32:25/07/2022;33:US ~31:18/344,029 ~32:29/06/2023

2023/07348 ~ Provisional ~54:HIGH TORSION PROFILE STABILISER SYSTEM ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2023/07324 ~ Complete ~54:METHODS AND MICROORGANISMS FOR MAKING 2,3-BUTANEDIOL AND DERIVATIVES THEREOF FROM C1 CARBONS ~71:PRECIGEN, INC., 1750 Kraft Drive, Suite 1400, Blacksburg, Virginia, 24060, United States of America ~72: BRYAN YEH;JAMES KEALEY;KEVIN LEE DIETZEL;LILY YUIN CHAO;MARK ANTON HELD;MATTHIAS HELMUT SCHAMLISCH;NA TRINH;TINA HUYNH;XINHUA ZHAO~ 33:US ~31:62/451,819 ~32:30/01/2017;33:US ~31:62/504,626 ~32:11/05/2017;33:US ~31:62/512,312 ~32:30/05/2017;33:US ~31:62/588,985 ~32:21/11/2017

2023/07329 ~ Complete ~54:EFFICIENT FILLING DEVICE FOR LNG CARRIER ~71:ZHEJIANG OCEAN UNIVERSITY, Plot C2-10, Putuo Marine Science And Technology Industrial Park, Xiaohui Industrial Zone, Zhanmao Street, Putuo District, Zhoushan, Zhejiang, 316100, People's Republic of China ~72: Chuanjiang LI;Huimin YU;Jiazheng WANG;Rui ZHANG~ 33:CN ~31:202210463297.X ~32:27/04/2022

2023/07335 ~ Complete ~54:COMBINATION OF A 3-(IMIDAZOL-4-YL)-4-(AMINO)-BENZENESULFONAMIDE TEAD INHIBITOR WITH AN EGFR INHIBITOR AND/OR MEK INHIBITOR FOR USE IN THE TREATMENT OF LUNG CANCER ~71:Ikena Oncology, Inc., 645 Summer Street, Suite 101, BOSTON 02210, MA, USA, United States of America ~72: AMIDON, Benjamin;BURKE, Michael;CASTRO, Alfredo C.;FROSCH, Hyejin~ 33:US ~31:63/141,105 ~32:25/01/2021

2023/07339 ~ Complete ~54:ISOINDOLINONE COMPOUNDS ~71:MONTE ROSA THERAPEUTICS, INC., 321 Harrison Avenue, Boston, Massachusetts, 02118, United States of America ~72: ALEXANDER FLOHR;ANDREAS RITZÉN;BERNHARD FASCHING;FREYA HARVEY;LAURA MCALLISTER;THOMAS RYCKMANS~ 33:CH ~31:00025/21 ~32:13/01/2021;33:CH ~31:00386/21 ~32:14/04/2021;33:CH ~31:00655/21 ~32:04/06/2021;33:US ~31:63/281,049 ~32:18/11/2021

2023/07341 ~ Complete ~54:DATA PROCESSING SYSTEM WITH MANIPULATION OF LOGICAL DATASET GROUPS ~71:AB INITIO TECHNOLOGY LLC, 201 Spring Street, Lexington, Massachusetts, 02421, United

States of America ~72: AMIT WEISMAN~ 33:US ~31:63/143,924 ~32:31/01/2021;33:US ~31:63/163,699 ~32:19/03/2021

2023/07373 ~ Complete ~54:SYNTHETIC URSOLIC ACID DERIVATIVES AND METHODS OF USE THEREOF ~71:REATA PHARMACEUTICALS, INC., 2801 Gateway Drive, Suite 150, Irving, United States of America ~72: DO, Ha;JIANG, Xin;KRAL, Robert, M., Jr.;SUN, Haizhou;VISNICK, Melean~ 33:US ~31:63/199,694 ~32:18/01/2021

. - APPLIED ON 2023/07/25 -

2023/07350 ~ Complete ~54:METHOD FOR EXTRACTING NUCLEIC ACID AND DETECTING GENE ~71:THE SECOND XIANGYA HOSPITAL OF CENTRAL SOUTH UNIVERSITY, No. 139 Renmin Road Central, Furong District, People's Republic of China ~72: LEI, Mingsheng;LIU, Ping;MA, Jin'an;MA, Yiran;QIU, Zhenhua;XIANG, Xiaokang;XIONG, Hui;YAN, Miao;ZHOU, Chunxiang~ 33:CN ~31:2022111739083 ~32:26/09/2022

2023/07356 ~ Complete ~54:RADIATION DEVICE, SYSTEM, AND METHOD ~71:DOBNEY, David, Timothy, 9 EARNSCLIFFE ROAD, TORONTO, ONTARIO M6E 1J4, CANADA, Canada ~72: DOBNEY, David, Timothy~ 33:US ~31:63/393,915 ~32:31/07/2022

2023/07362 ~ Complete ~54:METHOD FOR GRANULATION OF SPHERICAL POTASSIUM MAGNESIUM SULFATE FERTILIZER ~71:SDIC XINJIANG LUOBUPO POTASH CO., LTD, No. 68, Jianshe West Road, Yizhou District, Hami City, Xinjiang, 839000, People's Republic of China ~72: DONG, Guangfeng;LI, Dongxing;LI, Jingfang;LIU, Zhongjian;LU, Liling;MA, Songliang;XIANG, Xiaocheng;YANG, Yuming;YAO, Mobai~

2023/07364 ~ Complete ~54:FLOTATION METHOD FOR POTASSIUM CHLORIDE FROM MAGNESIUM SULFATE SUBTYPE SALT LAKE ~71:SDIC XINJIANG LUOBUPO POTASH CO., LTD, No. 68, Jianshe West Road, Yizhou District, Hami City, Xinjiang, 839000, People's Republic of China ~72: CHEN, Peng;DONG, Guangfeng;JIA, Feifei;LIU, Zhongjian;MA, Songliang;WEI, Hongzhen;XIA, Ling;XIANG, Xiaocheng;YAO, Mobai;ZHAO, Yunliang~

2023/07381 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: GANOZA, Joaquin;HARMAN, Reid;KOCH, Dale;LEVY, Kent;LITWILLER, Riley;SCHAEFER, Timothy A;SEELYE, Josh;SWANSON, Todd;VACCARI, Adam~ 33:US ~31:17/326,050 ~32:20/05/2021;33:US ~31:63/191,186 ~32:20/05/2021;33:US ~31:63/191,189 ~32:20/05/2021;33:US ~31:63/191,195 ~32:20/05/2021;33:US ~31:63/191,199 ~32:20/05/2021;33:US ~31:63/191,204 ~32:20/05/2021

2023/07385 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale;LEVY, Kent~ 33:US ~31:17/326,050 ~32:20/05/2021;33:US ~31:63/191,186 ~32:20/05/2021;33:US ~31:63/191,189 ~32:20/05/2021;33:US ~31:63/191,195 ~32:20/05/2021;33:US ~31:63/191,199 ~32:20/05/2021;33:US ~31:63/191,204 ~32:20/05/2021

2023/07389 ~ Complete ~54:GRAVITY-ASSISTED MICROFLUIDIC MANIFOLD ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: LITWILLER, Riley;SCHAEFER, Timothy;SWANSON, Todd~ 33:US ~31:17/343,434 ~32:09/06/2021;33:US ~31:17/343,536 ~32:09/06/2021;33:US ~31:63/208,865 ~32:09/06/2021

2023/07365 ~ Complete ~54:SYSTEM FOR REDUCING CONCENTRATED STRESS OF OVERLYING COAL PILLARS IN A BALANCED WAY AND USING METHOD THEREOF ~71:CHINA UNIVERSITY OF MINING AND

TECHNOLOGY-BEIJING, 11 Xueyuan Road Ding, Haidian District, Beijing, 100083, People's Republic of China ~72: CHEN Dongdong;XIE Shengrong~ 33:CN ~31:202310149598X ~32:22/02/2023

2023/07380 ~ Complete ~54:METHODS OF ANALYZING ONE OR MORE AGRICULTURAL MATERIALS, AND SYSTEMS THEREOF ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale;LEVY, Kent;LITWILLER, Riley;SEELYE, Josh;VACCARI, Adam~ 33:US ~31:63/191,147 ~32:20/05/2021;33:US ~31:63/191,159 ~32:20/05/2021;33:US ~31:63/191,166 ~32:20/05/2021;33:US ~31:63/191,172 ~32:20/05/2021

2023/07388 ~ Complete ~54:MICROVALVE ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: LITWILLER, Riley;SCHAEFER, Timothy;SWANSON, Todd~ 33:US ~31:17/343,434 ~32:09/06/2021;33:US ~31:17/343,536 ~32:09/06/2021;33:US ~31:63/208,865 ~32:09/06/2021

2023/07394 ~ Complete ~54:USNIC ACID, OR INCLUSION COMPLEXES THEREOF, FOR USE IN THE TREATMENT OF INFECTIONS WITH A CORONAVIRUS OR BACTERIA ~71:VESTATIS GMBH, Grüner Deich, 1-3, Germany ~72: BONER, Thomas Detlef;BOS, Peter;CERANA, Giorgio Stefano;FRANCK, Peter~ 33:IT ~31:102020000032909 ~32:30/12/2020

2023/07400 ~ Complete ~54:FUSION MOLECULE HAVING NON-INFLAMMATORY PHAGOCYTOSIS INDUCING ACTIVITY ~71:Illimis Therapeutics, Inc., 2Floor, 18, Heolleung-ro 569-gil, Gangnam-gu, SEOUL 06376, REPUBLIC OF KOREA, Republic of Korea ~72: CHUNG, Won Suk;JUNG, Hyun Cheol;KIM, Chan Hyuk;LEE, Se Young~ 33:KR ~31:10-2021-0013045 ~32:29/01/2021

2023/07358 ~ Complete ~54:AN INTELLIGENT BODY TEMPERATURE MONITORING AND COOLING DEVICE AND ITS USE METHOD ~71:Second Hospital of Shanxi Medical University, 382 Wuyi Road, Taiyuan City, Shanxi Province, 030032, People's Republic of China;Shanxi Bethune Hospital, No. 99 Longcheng Street, Taiyuan City, Shanxi Province, 030032, People's Republic of China;Shanxi Huajin Orthopedic Hospital, No.3, Beilushufenglin Road, Wangda Township, Qingxu County, Taiyuan City, Shanxi Province, 030024, People's Republic of China;Shanxi Provincial People 's Hospital, 29 Shuangtasi Street, Taiyuan City, Shanxi Province, 030012, People's Republic of China;Taiyuan University of Technology, No.79 Yingze West Street, Taiyuan City, Shanxi Province, 030002, People's Republic of China ~72: Haoyu FENG;Hongmei GUO;Jing CHEN;Kai ZHANG;Liming HE;Meng ZHANG;Pengcui LI;Pengxin XUE;Quanyou ZHANG;Weiyi CHEN;Xiaobin WANG;Xiaochun WEI;Xiaogang WU;Xinying LIU;Yanqin WANG;Yanru XUE;Yonghong WANG;Yongwang ZHAO~

2023/07367 ~ Complete ~54:INTRADIALYTIC USE OF SODIUM NITRITE ~71:HOPE MEDICAL ENTERPRISES, INC. DBA HOPE PHARMACEUTICALS, 16416 N. 92nd Street #125, Scottsdale, Arizona, United States of America ~72: CRAIG SHERMAN~ 33:US ~31:62/468,857 ~32:08/03/2017

2023/07369 ~ Complete ~54:CLOSURE DEVICE ~71:CRAMER, Brent, 4 SUMMERDALE CLOSE, JUKSKEI PARK, South Africa ~72: CLOSURE DEVICE~

2023/07375 ~ Complete ~54:COMBINED VACCINE FOR PREVENTING HAND, FOOT AND MOUTH DISEASE, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:SINOVAC BIOTECH CO., LTD., No. 39 Shangdi West Road, Haidian District, Beijing, 100085, People's Republic of China ~72: GAO, Qiang;JI, Wei;LI, Yajing;SHEN, Huan;SONG, Meng;YIN, Weidong;YIN, Yanhui~

2023/07387 ~ Complete ~54:MICROPUMP ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: LITWILLER, Riley;SCHAEFER, Timothy;SWANSON, Todd~ 33:US ~31:17/343,434 ~32:09/06/2021;33:US ~31:17/343,536 ~32:09/06/2021;33:US ~31:63/208,865 ~32:09/06/2021

2023/07391 ~ Complete ~54:CONVEYOR LINE FOR CLEANING SURFACE DIRT OF BATTERIES ~71:TIANNENG BATTERY GROUP (ANHUI) CO., LTD., Tin Ying Industrial Park, Jieshou, Fuyang, Anhui, 236500, People's Republic of China ~72: JIN, Chuanjie;SUN, Tong;WANG, Jiaqing;YUAN, Hui~

2023/07398 ~ Complete ~54:AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: MOLONEY, Patrick~ 33:GB ~31:2101832.0 ~32:10/02/2021

2023/07409 ~ Provisional ~54:CLOSURE ~71:NEL, Shaun, 21 Mariepskop Street, South Africa ~72: NEL, Shaun~

2023/07378 ~ Complete ~54:METHODS OF ANALYZING ONE OR MORE AGRICULTURAL MATERIALS, AND SYSTEMS THEREOF ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale;LEVY, Kent;LITWILLER, Riley;SEELYE, Josh;VACCARI, Adam~ 33:US ~31:63/191,147 ~32:20/05/2021;33:US ~31:63/191,159 ~32:20/05/2021;33:US ~31:63/191,166 ~32:20/05/2021;33:US ~31:63/191,172 ~32:20/05/2021

2023/07404 ~ Complete ~54:ANTI-MET ANTIBODIES AND USES THEREOF ~71:MYTHIC THERAPEUTICS, INC., 100 Beaver Street, Suite 303 Waltham, Massachusetts 02453, United States of America ~72: ALEXANDER J NICHOLS;BRIAN P FISKE;NIMISH GERA~ 33:US ~31:63/145,348 ~32:03/02/2021

2023/07407 ~ Complete ~54:RAW MATERIAL TRANSPORTATION DEVICE FOR INTELLIGENT PLANT BASED ON 5G NETWORK ~71:West Anhui University, West Yueliang Island Yunlu Bridge, Anhui Province, People's Republic of China ~72: Cheng Junhui;Fang Jie;Huang Miaomiao;Lu Chengling;Wang Chuansheng;Xu Yubao~ 33:CN ~31:202210069664.8 ~32:21/01/2022

2023/07396 ~ Complete ~54:ASSET-LEVEL VULNERABILITY AND MITIGATION ~71:X Development LLC, 1600 Amphitheatre Parkway, MOUNTAIN VIEW 94043, CA, USA, United States of America ~72: MULLET, Benjamin Goddard~ 33:US ~31:17/158,585 ~32:26/01/2021

2023/07351 ~ Complete ~54:CABLE THREADING MACHINE ~71:CONAX MACHINE SOLUTIONS (PTY) LIMITED, Industrial Park, 58 Watt Road, New Era, South Africa ~72: JOHANNES JACOBUS NAUDE~ 33:ZA ~31:2022/08114 ~32:19/07/2022

2023/07353 ~ Complete ~54:SHAFT SYSTEM LIFTING AND PROPELLER INSTALLATION PROCESS ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Zhoushan City, Zhejiang Province, 316021, People's Republic of China ~72: LIU, Zailiang;YANG, Jiali~

2023/07357 ~ Complete ~54:PETG DECORATIVE FILM MATERIAL AND PREPARING METHOD THEREOF ~71:Zhejiang Shengkangyuan New Material Co., Ltd., No. 15, Changwen Road, Anwen Street, Pan'an County, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: CHEN, Li;DONG, Xiaoping;KONG, Aijuan;KONG, Xiangxi;WU, Yan;YE, Wenjin;ZHOU, Xuying~

2023/07361 ~ Complete ~54:ELECTRODIALYSIS DEVICE ~71:SDIC XINJIANG LUOBUPO POTASH CO., LTD, No. 68, Jianshe West Road, Yizhou District, Hami City, Xinjiang, 839000, People's Republic of China ~72: CHEN, Licai;DONG, Guangfeng;LIU, Zhongjian;LU, Liling;MA, Songliang;WANG, Zhen;WEN, Tong;ZHANG, Tingting;ZHAO, Yunliang~

2023/07363 ~ Complete ~54:PREPARATION METHOD FOR SPHERICAL PARTICLES OF POTASSIUM MAGNESIUM SULFATE FERTILIZER ~71:SDIC XINJIANG LUOBUPO POTASH CO., LTD, No. 68, Jianshe

West Road, Yizhou District, Hami City, Xinjiang, 839000, People's Republic of China ~72: DONG, Guangfeng;FENG, Li;LI, Dongxing;LI, Jingfang;LU, Liling;XIANG, Xiaocheng;YAO, Mobai~

2023/07368 ~ Complete ~54:ANTIBODY AGAINST HUMAN IL-4RA AND USE THEREOF ~71:AKESO BIOPHARMA, INC., 6 Shennong Road, Torch Development Zone Zhongshan, Guangdong, 528437, People's Republic of China ~72: BAIYONG LI;PENG ZHANG;YU XIA;ZHONGMIN WANG~ 33:CN ~31:201811618948.8 ~32:27/12/2018

2023/07372 ~ Complete ~54:A NOVEL PHARMACEUTICAL COMPOSITION FOR TREATMENT OF AUTOIMMUNE DISEASES AND PREPARATION METHOD THEREOF ~71:Dr.Chinmaya Mahapatra, Associate Professor & HOD, Department of Pharmaceutics, School of Pharmacy, The Neotia University, Jhinger Pole, Sarisha, Diamond Harbour Road, 24-Parganas (S), West Bengal, 743368, India;Dr.Hara Prasad Mishra, Junior Resident (Academic), Department of Pharmacology, University College of Medical Sciences, Delhi, University of Delhi, Delhi, 110095, India;Dr.Rajesh E Jesudasan, Dean & Professor, School of Pharmacy, The Assam Kaziranga University, Jorhat, Assam, 785006, India;Dr.Sankhadip Bose, Professor & HOD, Department of Pharmacognosy, School of Pharmacy, The Neotia University, Jhinger Pole, Sarisha, Diamond Harbour Road, 24-Parganas (S), West Bengal, 743368, India;Dr.Shiva Murthy Nanjundappa, Associate Professor, Department of Pharmacology, Dr.Chandramma Dayananda Sagar Institute of Medical Education and Research (CDSIMER), (Dayananda Sagar University, Bangalore), Devarakaggalahalli, Harohalli, Kanakapura Road, Ramanagara, Karnataka, 562112, India;Dr.Subas Chandra Dinda, Professor & Dean, School of Pharmacy, The Neotia University, Jhinger Pole, Sarisha, Diamond Harbour Road, 24-Parganas (S), West Bengal, 743368, India;Mr.Dillip Kumar Reddy Kandula, Research Scholar, Shri Jagdish Prasad Jhabarmal Tibrewala University, Jhunjhunu, Rajasthan, 333001, India;Mr.Satyabrata Jena, Associate Professor, Bhaskar Pharmacy College, Hyderabad, Yenkapally, Moinabad, (JNTUH, Hyderabad), Rangareddy District, Hyderabad, Telangana, 500075, India;Ms.Kipa Amang, M.Pharma (Pharmacy Practice), Assistant Professor, Department of Pharmacy, Panipat Institute of Engineering and Technology (PIET), 70 milestone Grand Trunk Road, Samalkha, Panipat, Haryana, 132102, India;Ms.Rekha Rani, Associate Professor, Anjali College of Pharmacy and Science, Etmadpur, Agra, Uttar Pradesh, 283202, India ~72: Dr.Chinmaya Mahapatra;Dr.Hara Prasad Mishra;Dr.Rajesh E Jesudasan;Dr.Sankhadip Bose;Dr.Shiva Murthy Nanjundappa;Dr.Subas Chandra Dinda;Mr.Dillip Kumar Reddy Kandula;Mr.Satyabrata Jena;Ms.Kipa Amang;Ms.Rekha Rani~ 33:IN ~31:202331036722 ~32:27/05/2023

2023/07393 ~ Complete ~54:COMPOSITE CROSSARM AND POWER TRANSMISSION TOWER ~71:JIANGSU SHEMAR ELECTRIC CO., LTD., No.66 Haiwei Road, Su-tong Science and Technology Park Nantong, People's Republic of China ~72: HUANG, Qing;MA, Bin;YU, Jie~ 33:CN ~31:202110206474.1 ~32:24/02/2021

2023/07402 ~ Complete ~54:AZOLE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS ~71:FMC CORPORATION, 2929 Walnut Street, Patent Dept., Philadelphia, Pennsylvania 19104, United States of America ~72: KASINATH SANA;MICHAEL ALAN ROSSI;MYLES JOSEPH TISCIONE;STEPHEN P BOLGUNAS;WENMING ZHANG~ 33:US ~31:63/142,365 ~32:27/01/2021

2023/07354 ~ Complete ~54:A FIRE RETARDANT COATING OF METAL SURFACE ~71:Changshu Institute of Technology, No.99 South Third Ring Road, Changshu City, Suzhou City, Jiangsu Province, 215500, People's Republic of China ~72: Bing CHEN;Chunhai YANG;Ning ZHOU;Xiuli HU;Xue LI~

2023/07366 ~ Complete ~54:METHOD OF EUDESMOL IN TREATMENT OF SYSTEMIC INFLAMMATORY RESPONSE SYNDROME ~71:Shanxi Medical University, No. 56, Xinjian South Road, Taiyuan City, Shanxi Province, People's Republic of China ~72: JIN Sijia;LI Yunlan;LI Zhiyuan;LIU Weiran;NIU Qi;QIN Yuxi;WANG Min;ZHANG Xiaoxia~

2023/07370 ~ Complete ~54:DYNAMIC TRAFFIC OPTIMIZATION SYSTEM FOR ALLEVIATING URBAN TRAFFIC CONGESTION ~71:Xinyu University, 2666 Yangguang Avenue, High-tech Zone, Xinyu City, Jiangxi Province,338004, People's Republic of China ~72: Feng Daoming;Huang Xinren;Huang Yulong;Liu Kai;Pan Cheng~

2023/07395 ~ Complete ~54:COMPOSITE CROSSARM AND POWER TRANSMISSION TOWER ~71:JIANGSU SHEMAR ELECTRIC CO., LTD., No.66 Haiwei Road, Su-Tong Science and Technology Park Nantong, People's Republic of China ~72: HUANG, Qing;MA, Bin;YU, Jie~ 33:CN ~31:202110206367.9 ~32:24/02/2021

2023/07384 ~ Complete ~54:FLOW-THROUGH ACCUMULATOR FOR SLURRY ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: GANOZA, Joaquin;HARMAN, Reid;LEVY, Kent;SWANSON, Todd~ 33:US ~31:17/326,050 ~32:20/05/2021;33:US ~31:63/191,186 ~32:20/05/2021;33:US ~31:63/191,189 ~32:20/05/2021;33:US ~31:63/191,195 ~32:20/05/2021;33:US ~31:63/191,199 ~32:20/05/2021;33:US ~31:63/191,204 ~32:20/05/2021

2023/07397 ~ Complete ~54:MULTILAYER INTEGRAL GEOGRIDS HAVING A CELLULAR LAYER STRUCTURE, AND METHODS OF MAKING AND USING SAME ~71:Tensar International Corporation, 2500 Northwinds Parkway, Suite 500, ALPHARETTA 30009, GA, USA, United States of America ~72: BAKER, Daniel Mark;CAVANAUGH, Joseph;CURSON, Andrew;GALLAGHER, Daniel John;JENKINS, Tom-Ross;TYAGI, Manoj Kumar;WALLER, Andrew Edward~ 33:US ~31:63/154,209 ~32:26/02/2021;33:US ~31:63/154,588 ~32:26/02/2021

2023/07406 ~ Complete ~54:METHOD FOR CONTROLLING HARMFUL ARTHROPODS OR HARMFUL NEMATODES USING ZOANTHAMINE ~71:SUMITOMO CHEMICAL COMPANY, LIMITED, 2-7-1 Nihonbashi Chuo-ku, Tokyo, 103-6020, Japan ~72: CHIEMI IWATA;DAISUKE UEMURA (DECEASED);TATSUYA SUZUKI~ 33:JP ~31:2021-031870 ~32:01/03/2021

2023/07359 ~ Complete ~54:COMPOSITE LOW-TEMPERATURE PHASE CHANGE COLD STORAGE AGENT WITH HIGH CYCLE PERFORMANCE AND PREPARATION METHOD THEREFOR ~71:SDIC XINJIANG LUOBUPO POTASH CO., LTD, No. 68, Jianshe West Road, Yizhou District, Hami City, Xinjiang, 839000, People's Republic of China ~72: DONG, Guangfeng;GUO, Cong;MA, Songliang;SIMAYI, Reshalaiti;SONG, Shaoxian;WANG, Zhen;XIANG, Xiaocheng;YI, Hao;YOUNUSI, Zulikaier~

2023/07371 ~ Complete ~54:MOUNTING BRACKET CONVENIENT FOR FIXING ~71:Zheng zhou dian li gao deng zhuan ke xue xiao, No.296, Fengqi Street, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Li Yanyuan;Lu Jiping;Wang Dongfei;Wang Xuhu;Zhang Zhenxian~ 33:CN ~31:202222216206.0 ~32:23/08/2022

2023/07376 ~ Complete ~54:RETROVIRAL VECTORS ~71:IP2IPO INNOVATIONS LIMITED, 2nd Floor 3 Pancras Square, Kings Cross, United Kingdom ~72: GILL, Deborah;HYDE, Stephen~ 33:GB ~31:2102832.9 ~32:26/02/2021

2023/07383 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale;LEVY, Kent~ 33:US ~31:17/326,050 ~32:20/05/2021;33:US ~31:63/191,186 ~32:20/05/2021;33:US ~31:63/191,189 ~32:20/05/2021;33:US ~31:63/191,195 ~32:20/05/2021;33:US ~31:63/191,199 ~32:20/05/2021;33:US ~31:63/191,204 ~32:20/05/2021

2023/07399 ~ Complete ~54:APPARATUS FOR A NON-COMBUSTIBLE AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BLANDINO, Thomas Paul;MILLIGAN, Terrence~ 33:US ~31:63/200,252 ~32:24/02/2021

2023/07403 ~ Complete ~54:METHOD OF PROVIDING BROAD-SPECTRUM RESISTANCE TO PLANTS, AND PLANTS THUS OBTAINED ~71:ERIK ANDREASSON, Östra strö 1430 241 91, Eslöv, Sweden;MARIT LENMAN, Revingegatan 13A, 223 56, Lund, Sweden;MUHAMMAD AWAIS ZAHID, Industrigatan 8N 212 52, Malmö, Sweden;NAGA CHARAN KONAKALLA, Sundsvägen 1 230 53, Alnarp, South Africa;NAM PHUONG KIEU, Flygelvägen 83 224 72, Lund, Sweden ~72: ERIK ANDREASSON;MARIT LENMAN;MUHAMMAD AWAIS ZAHID;NAGA CHARAN KONAKALLA;NAM PHUONG KIEU;RAMESH VETUKURI;SVANTE RESJÖ~ 33:SE ~31:2150182-0 ~32:19/02/2021

2023/07349 ~ Complete ~54:HIGH-POWER AND HIGH-VOLTAGE PULSE GENERATING CIRCUIT ~71:ZHEJIANG JIAHUAN ELECTRONICS CO., LTD, 188 SHUXI ROAD, People's Republic of China ~72: DU, Hong;FANG, Huahua;JIANG, Qinglong;WANG, Renjing;ZHOU, Zhaoji~

2023/07352 ~ Complete ~54:ALARM DEVICE USED IN CASE OF NOT ENABLING PARKING BRAKE BY DRIVER AT TIME OF LEAVING SEAT ~71:Shandong First Medical University and Shandong Academy of Medical Sciences, No. 619, Changcheng Road, Tai'an City, Shandong Province, 271016, People's Republic of China ~72: DONG, Bing;LIN, Ruoxuan;LIN, Xiaohui;ZHAO, Chuanhua~

2023/07355 ~ Complete ~54:ELECTROCHEMICAL DEVICE, SYSTEM, AND METHOD ~71:DOBNEY, David, Timothy, 9 EARNSCLIFFE ROAD, TORONTO, ONTARIO M6E 1J4, CANADA, Canada ~72: DOBNEY, David, Timothy~ 33:US ~31:63/393,917 ~32:31/07/2022

2023/07360 ~ Complete ~54:COMPOSITE LOW-TEMPERATURE PHASE CHANGE COLD STORAGE AGENT AND PREPARATION METHOD THEREFOR ~71:SDIC XINJIANG LUOBUPO POTASH CO., LTD, No. 68, Jianshe West Road, Yizhou District, Hami City, Xinjiang, 839000, People's Republic of China ~72: DONG, Guangfeng;FANG, Jingrong;GUO, Cong;LU, Liling;MA, Songliang;SONG, Shaoxian;WANG, Zhen;XIANG, Xiaocheng;YI, Hao~

2023/07386 ~ Complete ~54:SLURRY STIRRING DEVICE ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale;LEVY, Kent;SWANSON, Todd~ 33:US ~31:17/326,050 ~32:20/05/2021;33:US ~31:63/191,186 ~32:20/05/2021;33:US ~31:63/191,189 ~32:20/05/2021;33:US ~31:63/191,195 ~32:20/05/2021;33:US ~31:63/191,199 ~32:20/05/2021;33:US ~31:63/191,204 ~32:20/05/2021

2023/07374 ~ Complete ~54:HYDRAULIC BINDER COMPOSITION COMPRISING BLAST FURNACE SLAG ~71:CHRYSO, Tour Saint-Gobain, 12 Place de l'Iris, France ~72: BONAFOUS, Laurent;BOUSTINGORRY, Pascal~ 33:FR ~31:2100670 ~32:25/01/2021

2023/07377 ~ Complete ~54:METHODS OF ANALYZING ONE OR MORE AGRICULTURAL MATERIALS, AND SYSTEMS THEREOF ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale;LEVY, Kent;LITWILLER, Riley;SEELYE, Josh;SWANSON, Todd;VACCARI, Adam~ 33:US ~31:63/191,147 ~32:20/05/2021;33:US ~31:63/191,159 ~32:20/05/2021;33:US ~31:63/191,166 ~32:20/05/2021;33:US ~31:63/191,172 ~32:20/05/2021

2023/07390 ~ Complete ~54:BATTERY CONVEYING DEVICE ~71:TIANNENG BATTERY GROUP (ANHUI) CO., LTD., Tin Ying Industrial Park, Jieshou, Fuyang, Anhui, 236500, People's Republic of China ~72: JIANG, Manjun;WANG, Jiaqing;WU, Guoqing;ZHU, Tongli~

2023/07392 ~ Complete ~54:WIRELESS ROUTER WITH EMERGENCY BROADCASTING FUNCTION ~71:Lu'an BoZhanChuangYan Technology Co., Ltd., Floor 2, Kechuang Center, the intersection of Yingbin Avenue and Gaocheng Road, Lu 'an Economic and Technological Development Zone, Anhui Province, 237000, People's Republic of China ~72: Zhao Wenjie~ 33:CN ~31:202310814615.7 ~32:04/07/2023

2023/07401 ~ Complete ~54:USE OF EXOGENOUS KETONE ESTERS TO INDUCE WEIGHT LOSS IN MAMMALS ~71:Buck Institute for Research on Aging, 8001 Redwood Blvd., NOVATO 94945, CA, USA, United States of America ~72: NEWMAN, John C.;STUBBS, Brianna J.~ 33:US ~31:63/141,754 ~32:26/01/2021

2023/07405 ~ Complete ~54:USE OF HISTIDINE RICH PEPTIDES AS A TRANSFECTION REAGENT FOR RAAV AND RBV PRODUCTION ~71:BIOMARIN PHARMACEUTICAL INC., 105 Digital Drive, Novato, California, 94949, United States of America ~72: BARAN ARSLAN;HELAI ARABSHAHI;IRINA PEREVOSHCHIKOVA;JULIE GARDIN;PAULINE BOURBON;SHILPA SHROFF;TOMAS CINEK~ 33:US ~31:63/149,425 ~32:15/02/2021

2023/07379 ~ Complete ~54:METHODS OF ANALYZING ONE OR MORE AGRICULTURAL MATERIALS, AND SYSTEMS THEREOF ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HARMAN, Reid;KOCH, Dale;LEVY, Kent;LITWILLER, Riley;SEELYE, Josh;SWANSON, Todd;VACCARI, Adam~ 33:US ~31:63/191,147 ~32:20/05/2021;33:US ~31:63/191,159 ~32:20/05/2021;33:US ~31:63/191,166 ~32:20/05/2021;33:US ~31:63/191,172 ~32:20/05/2021

2023/07382 ~ Complete ~54:DOUBLE DIAPHRAGM SLURRY PUMP ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: GANOZA, Joaquin;HARMAN, Reid;LEVY, Kent;SWANSON, Todd~ 33:US ~31:17/326,050 ~32:20/05/2021;33:US ~31:63/191,186 ~32:20/05/2021;33:US ~31:63/191,189 ~32:20/05/2021;33:US ~31:63/191,195 ~32:20/05/2021;33:US ~31:63/191,199 ~32:20/05/2021;33:US ~31:63/191,204 ~32:20/05/2021

2023/07408 ~ Complete ~54:AIR FILTER VEHICLE ~71:North China University of Science and Technology, #21 Bohai Road, Caofeidian Xincheng, Tangshan, People's Republic of China ~72: Chen Hongwei~ 33:CN ~31:202310785576.2 ~32:29/06/2023

. - APPLIED ON 2023/07/26 -

2023/07416 ~ Complete ~54:DRUG INTERACTION PREDICTION METHOD BASED ON DS EVIDENCE THEORY ~71:GUILIN UNIVERSITY OF TECHNOLOGY, No. 12, Jiangan Road, Qixing District, Guilin City, Guangxi Zhuang Autonomous Region, 541000, People's Republic of China ~72: HUANG, An;LIU, Yarong;LU, Jie;PENG, Shaoliang;XIE, Xiaolan~

2023/07462 ~ Complete ~54:ELECTRODE MANUFACTURING METHOD AND MANUFACTURING DEVICE, AND ELECTRODE OBTAINED THEREWITH ~71:DE NORA PERMELEC LTD, 2023-15, Endo, Fujisawa-shi, Kanagawa, 2520816, Japan ~72: YOSHINORI NISHIKI;ZAENAL AWALUDIN~ 33:JP ~31:2021-006362 ~32:19/01/2021

2023/07465 ~ Complete ~54:PLANT INJECTION SYSTEMS AND USES THEREOF ~71:INVAIO SCIENCES INTERNATIONAL GMBH, Schneidergasse 7, CH-4051, Basel, Switzerland ~72: ANTONY MATHAI CHETTOOR;MICHAEL CHRISTIAN OEHL;URS WIDMER~ 33:US ~31:63/143,643 ~32:29/01/2021

2023/07421 ~ Complete ~54:EFFICIENT ENGLISH TEACHING SYSTEM ~71:Hebei Chemical and Pharmaceutical College, No. 88, Fangxing Road, Yuhua District, Shijiazhuang City, Hebei Province, 050026, People's Republic of China ~72: ZHANG, Huiyan~ 33:CN ~31:2023106261803 ~32:30/05/2023

2023/07423 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KATER, Timothy;STRNAD, Michael~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07431 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KATER, Timothy;STRNAD, Michael~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07437 ~ Complete ~54:A PROCESS FOR RECOVERING UNCONTAMINATED OIL FROM EMULSIONS ~71:UNIVERSITY OF THE WESTERN CAPE, Robert Sobukwe Road, Bellville, Cape Town, Western Cape, 7535, South Africa ~72: BERNARD JAN BLADERGROEN;BRADLEY ROBERT CERFF;PIETER JANSEN~ 33:ZA ~31:2022/12418 ~32:15/11/2022

2023/07449 ~ Complete ~54:A GUN SIGHTING AID ~71:KROEGER, Vernon, 8 PAGODA CRESCENT, FOURWAYS GARDENS, 2168, SOUTH AFRICA, South Africa ~72: KROEGER, Vernon~ 33:ZA ~31:2020/04161 ~32:08/07/2020

2023/07411 ~ Complete ~54:METHOD FOR IDENTIFYING EMAMECTIN BENZOATE RESISTANCE GENE IN SPODOPTERA FRUGIPERDA, AND APPLICATION OF DSRNA ~71:Yunnan Agricultural University, No.95 Jinhei Road, Panlong District, Kunming City, Yunnan Province, 650201, People's Republic of China ~72: Donggui, Li;Furong, Gui;Hao, Li;Pengfei, Fu;Yaping, Chen;Zhihui, Lu;Zhongxiang, Sun~ 33:CN ~31:2023101109867 ~32:14/02/2023

2023/07414 ~ Complete ~54:PARALLEL MECHANISM AND STABILITY AUGMENTATION PLATFORM ~71:Dongguan University of Technology, No. 1 Daxue Road, Songshan Lake District, Dongguan City, Guangdong Province, 523808, People's Republic of China ~72: CHU, Hongpeng;GU, Feng;XU, Linmiao;ZENG, Daxing~ 33:CN ~31:2023106773661 ~32:08/06/2023

2023/07418 ~ Complete ~54:A MAP BOARD TEACHING AID FOR TEACHING ~71:Zhengzhou Railway Vocational & Technical College, No. 56, Pengcheng Avenue, Zhengdong New Area, Zhengzhou, People's Republic of China ~72: Hou Binbin;Li Min;Liu Xinfang;Luo Yan;Yan Ran;Zhi Jingjing~

2023/07424 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KATER, Timothy;KOCH, Dale, M.;LITWILLER, Riley;MINARICH, Nicholas;STRNAD, Michael~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07430 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HODEL, Jeremy~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07433 ~ Complete ~54:FEED FOR IMPROVING FERTILITY OF GEESE AND PREPARATION METHOD THEREOF ~71:INSTITUTE OF ANIMAL HUSBANDRY OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO. 368, XUEFU ROAD, People's Republic of China ~72: PENG, Fugang;SUN, Jinyan;YUE, Shan;ZHANG, Yuanliang;ZHAO, Xiuhua~

2023/07440 ~ Complete ~54:PARTICULATE MATTER ADSORBING AND CLEANING DEVICE FOR TREATMENT OF VOLATILE ORGANIC COMPOUNDS (VOCS) FROM CHEMICAL INDUSTRY ~71:Hebei Chemical and Pharmaceutical College, No.88, Fangxing Road, Shijiazhuang, Hebei Province, 050026, People's Republic of China ~72: Aibin Kang~

2023/07446 ~ Complete ~54:ELECTRICITY GENERATING SYSTEM ~71:KONIG, Derick, Wilhelm, c/o OR TAMBO AND GORDON STREET, EMALAHLENI, MPUMALANGA (WITBANK), 1039, SOUTH AFRICA, South

Africa;THOMPSON, Dick, 13A KEURBOOM STRAAT, HARTENBOS HEUWELS, HARTENBOS, 6520, SOUTH AFRICA, South Africa ~72: KONIG, Derick, Wilhelm;THOMPSON, Dick~ 33:ZA ~31:2021/08277 ~32:27/11/2021

2023/07458 ~ Complete ~54:LATERAL FLOW TEST STRIP READERS, CARTRIDGES AND RELATED METHODS ~71:Wallac Oy, Mustionkatu 6, TURKU 20750, FINLAND, Finland ~72: KAKKO, Joona-Pekko;KORPIMAKI, Teemu;PAKKILA, Henna;SAIRANEN, Mikko;VEIKKOLAINEN, Ville~ 33:US ~31:63/144,195 ~32:01/02/2021

2023/07417 ~ Complete ~54:ACCESSORY ORDER GENERATING SYSTEM BASED ON CUSTOMIZATION ~71:GUILIN UNIVERSITY OF TECHNOLOGY, No. 12, Jiangan Road, Qixing District, Guilin City, Guangxi Zhuang Autonomous Region, 541000, People's Republic of China ~72: LIU, Yarong;TANG, Yigang;WANG, Jiaming;XIE, Xiaolan~

2023/07425 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale, M.;MORGAN, Matthew;STRNAD, Michael~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07427 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: STRNAD, Michael~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07442 ~ Complete ~54:AUTOMATIC FEEDING DEVICE AND WORKING METHOD FOR FEEDING CATTLE AND SHEEP ~71:INSTITUTE OF ANIMAL SCIENCE AND VETERINARY MEDICINE, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, Animal Building 313, Shandong Academy of Agricultural Sciences, 23788 Gongye North Road, Licheng District, Jinan, Shandong Province, 250100, People's Republic of China;SHANDONG MEISHIDA AGRICULTURE AND HUSBANDRY TECHNOLOGY CO., LTD, No. 77 Galaxy Road, Jibei Street, Jiyang District, Jinan City, Shandong Province, 251400, People's Republic of China ~72: CHEN, Xiangxing;CHEN, Yuanmei;LI, Chuanhao;LIU, Xiaomu;SHENG, Qingkai;YANG, Zhaojun;ZHANG, Xianglun;ZHAO, Hongbo~ 33:CN ~31:2023100210615 ~32:07/01/2023

2023/07444 ~ Complete ~54:BIG-DATA-BASED TEACHING PLANNING METHOD AND SYSTEM ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 21, Bohai Avenue, Caofeidian New City, Tangshan, Hebei, 063210, People's Republic of China ~72: SHAN, Yan;SUN, Xiaoxue;ZHANG, Mei~ 33:CN ~31:202210844270.5 ~32:18/07/2022

2023/07452 ~ Complete ~54:BATTERY ~71:HONDA MOTOR CO., LTD., 1-1 Minami-Aoyama, 2-chome Minato-ku, Japan ~72: ITO, Keiichi;SHIGEMIZU, Nobuo;TAKIZAWA, Daijiro~ 33:JP ~31:2020-219264 ~32:28/12/2020

2023/07455 ~ Complete ~54:VACCINE ADJUVANT ~71:Celleron Therapeutics Limited, Magdalen Centre, Oxford Science Park, OXFORD OX4 4GA , UNITED KINGDOM, United Kingdom ~72: LA THANGUE, Nicholas~

2023/07463 ~ Complete ~54:COMPOUNDS AND METHODS FOR MODULATING FXR ~71:TERNS PHARMACEUTICALS, INC., 1065 East Hillsdale Blvd., Suite 100, Foster City, California, 94404, United States of America ~72: F. ANTHONY ROMERO;KEVIN KLUCHER;YINGZI XU~ 33:US ~31:63/132,363 ~32:30/12/2020

2023/07435 ~ Complete ~54:SYSTEMS, APPARATUS AND METHODS FOR INTER PREDICTION REFINEMENT WITH OPTICAL FLOW ~71:VID SCALE, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: JIANCONG LUO;YUWEN HE~ 33:US ~31:62/802,428 ~32:07/02/2019;33:US ~31:62/814,611 ~32:06/03/2019;33:US ~31:62/833,999 ~32:15/04/2019

2023/07443 ~ Complete ~54:A MANUFACTURING PROCESS FOR A STEEL ARCH SHELL BY JIG FRAME PROCESSING ~71:CHINA RAILWAY FIRST GROUP BRIDGE ENGINEERING CO., LTD., No. 63 Xitong Road, Linwei District, Weinan, Shaanxi Province, 714000, People's Republic of China;CHINA RAILWAY FIRST GROUP CO., LTD., No. 1 Yanta North Road, Beilin District, Xi 'an, Shaanxi Province, 710054, People's Republic of China;EIGHTH ENGINEERING COMPANY LTD.OF CHINA RAILWAY FIRST GROUP, 21-1, 21-2, No. 36 Zhouji Road, Xiantao Street, Yubei District, Chongqing, 401120, People's Republic of China ~72: AN, Huan;BI, Zhanglong;CHENG, Xiangyang;HAO, Linjie;LI, Chunlin;SHI, Zhongpan;TAO, Qianqian;TIAN, Kaikai;XUAN, Xinpeng;ZHAO, Zexu;ZHUO, Lei~ 33:CN ~31:202310797896X ~32:30/06/2023

2023/07451 ~ Complete ~54:APPARATUS AND METHODS FOR POINT-TO-POINT TRANSPORTATION ~71:SPASOVSKI, Goran, Bulevar Mihajla Pupina 3, 11070, Belgrade, Russia Serbia ~72: SPASOVSKI, Goran~ 33:US ~31:63/143,080 ~32:29/01/2021

2023/07453 ~ Complete ~54:IRRADIATION TARGET CONTAINING SUPPORT ROD FOR PRODUCING MO-99 ISOTOPE IN HEAVY WATER REACTOR ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No.29 Hongcao Road, SHANGHAI 200233, XUHUI DISTRICT, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Fuliang;DING, Yang;HAN, Yu;LU, Junqiang;WEI, Xiangyu;ZHOU, Yunqing~ 33:CN ~31:202110142925.X ~32:02/02/2021

2023/07460 ~ Complete ~54:METHODS FOR TREATING FAMILIAL CHYLOMICRONEMIA SYNDROME ~71:Amryt Pharmaceuticals Inc., 160 Federal Street, 21st Floor, BOSTON 02110 , MA, USA, United States of America ~72: SUMERAY, Mark~ 33:US ~31:63/155,960 ~32:03/03/2021;33:US ~31:63/165,457 ~32:24/03/2021

2023/07464 ~ Complete ~54:ANTI-CD38 ANTIBODIES FOR USE IN THE TREATMENT OF ANTIBODY-MEDIATED TRANSPLANT REJECTION ~71:MORPHOSYS AG, Semmelweisstr. 7, 82152, Planegg, Germany ~72: RAINER BOXHAMMER;STEFAN HÄRTLE;STEFAN STEIDL~ 33:EP ~31:21159860.2 ~32:01/03/2021

2023/07412 ~ Complete ~54:METHOD OF REPELLING TUTA ABSOLUTA BY USING ROSEMARY ~71:Yunnan Agricultural University, No.95 Jinhei Road, Panlong District, Kunming City, Yunnan Province, 650201, People's Republic of China ~72: Donggui, Li;Furong, Gui;Ruixin, Ma;Yao, Chen;Yaping, Chen;Zhongxiang, Sun~ 33:CN ~31:2023102067522 ~32:07/03/2023

2023/07419 ~ Complete ~54:A STAIRCASE CLASSROOM DISPLAY DEVICE ~71:Zhengzhou Railway Vocational & Technical College, No. 56, Pengcheng Avenue, Zhengdong New Area, Zhengzhou, People's Republic of China ~72: Hou Binbin;Li Min;Liu Xinfang;Luo Yan;Yan Ran;Zhi Jingjing~

2023/07422 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KATER, Timothy;KOCH, Dale, M.;MORGAN, Matthew;STRNAD, Michael~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07429 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale, M.~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07439 ~ Complete ~54:BUFFER ~71:LEVELOK ENGINEERING (PTY) LTD., 12 Grobler Street, Potchindustria, Potchefstroom, North West, 2520, South Africa ~72: BEREND JAN WERKMAN;JACOBUS JOHANNES CLAASSEN;JAUNDRÉ TALJAARD~ 33:ZA ~31:2022/08482 ~32:29/07/2022

2023/07448 ~ Complete ~54:STABILIZING A SHAPED POLYMER ARTICLE AGAINST DEGRADATION INDUCED BY ARTIFICIAL UV-C LIGHT ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: HERBST, Heinz;HUBER, Gregor~ 33:EP ~31:21150245.5 ~32:05/01/2021

2023/07456 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITION OF RAS ~71:Lawrence Livermore National Security, LLC, 7000 East Avenue, P.O. Box 808, L-703, LIVERMORE 94550, CA, USA, United States of America;Leidos Biomedical Research, Inc., P.O. Box B 1050, Boyles Street, FREDERICK 21702, MD, USA, United States of America;TheRas, Inc., 3160 Porter Drive, PALO ALTO 94304, CA, USA, United States of America ~72: BISIGNANO, Paola;BRASSARD, Christopher John;CHAN, Albert Hay Wah;LIAO, Tao;LIGHTSTONE, Felice;MACIAG, Anna Elzbieta;SIMANSHU, Dhirendra Kumar;TURNER, David Michael;WALLACE, Eli;WANG, Bin;XU, Rui;YANG, Yue;ZHANG, Zuhui~ 33:US ~31:63/150,011 ~32:16/02/2021;33:US ~31:63/246,181 ~32:20/09/2021

2023/07467 ~ Complete ~54:TECHCLEAN DIRECT HEAT EXCHANGE FILL ~71:EVAPCO, INC., 5151 Allendale Land, Taneytown, Maryland, 21787, United States of America ~72: CARL, Andrew;LIBERT, Jean-Pierre;REILLY, Aaron~ 33:US ~31:63/146,179 ~32:05/02/2021;33:US ~31:63/146,579 ~32:06/02/2021;33:US ~31:17/666,085 ~32:07/02/2022

2023/07426 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HODEL, Jeremy, J.;KATER, Timothy;KOCH, Dale, M.;MORGAN, Matthew~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07434 ~ Complete ~54:BUSHING PULLER ASSEMBLY ~71:Kennametal Inc., 1600 Technology Way, LATROBE 15650-0231, PA, USA, United States of America ~72: ANDREWS, Keith;HURLEY, Travis~ 33:US ~31:17/815,560 ~32:27/07/2022

2023/07441 ~ Complete ~54:AUTOMATIC BINDING GLOVE TURN-OVER MACHINE ~71:ZHIJIANG COLLEGE OF ZHEJIANG UNIVERSITY OF TECHNOLOGY, No. 958, Kehua Road, Keqiao Street, Shaoxing, Zhejiang, 312030, People's Republic of China ~72: DING, Shuyong;LIN, Sen;Mao, Yalang~

2023/07445 ~ Complete ~54:MICROORGANISM OF THE GENUS CORYNEBACTERIUM FOR PRODUCING L-AMINO ACID AND METHOD FOR PRODUCING L-AMINO ACID USING THE SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: BYUN, Hyo Jeong;JUNG, Moo Young;KIM, Byeong, Soo;KIM, Hee Ju;KIM, Hyung Joon;LEE, Han, Hyoung;PARK, Seul-Gi~ 33:KR ~31:10-2021-0030087 ~32:08/03/2021

2023/07459 ~ Complete ~54:LONG-ACTING AMYLIN RECEPTOR AGONISTS AND USES THEREOF ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ABRAHAM, Milata Mary;BRIERE, Daniel Anthony;GUO, Lili;KEYSER, Samantha Grace Lyons;LEE, John;QU, Hongchang~ 33:US ~31:63/155,894 ~32:03/03/2021

2023/07410 ~ Provisional ~54:APPARATUS FOR USE WITH A BARRIER ~71:COCHRANE USA INC, 3551 Lee Hill Dr, Fredericksburg, United States of America ~72: BUCARIZZA, Vlado~

2023/07413 ~ Complete ~54:ENERGY-SAVING PRODUCTION PROCESS FOR ALUMINUM 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~ 33:CN ~31:202210927925.5 ~32:03/08/2022

2023/07428 ~ Complete ~54:SYSTEMS AND APPARATUSES FOR SOIL AND SEED MONITORING ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale, M.;MORGAN, Matthew;STRNAD, Michael~ 33:US ~31:62/567,135 ~32:02/10/2017;33:US ~31:62/625,855 ~32:02/02/2018;33:US ~31:62/661,783 ~32:24/04/2018

2023/07432 ~ Complete ~54:STRAIN ALCALIGENES SP. AS1 AND MICROBIAL INOCULANT AND APPLICATION THEREOF ~71:Wuhan Academy of Agricultural Sciences, 173 Baishazhou Avenue, Hongshan District, Wuhan City, Hubei Province, 430065, People's Republic of China ~72: CHEN, Xing;GONG, Ping;LI, Zhongxin;LIU, Wu;MA, Yanming;QIAN, Yunguo;TONG, Xinhong;WANG, Lixia;YANG, Yu;YE, Shengqiang~

2023/07438 ~ Complete ~54:MINING CONVEYANCE, GUIDE ROLLER ASSEMBLY AND BUFFER ~71:LEVELOK ENGINEERING (PTY) LTD., 12 Grobler Street, Potchindustria, Potchefstroom, North West, 2520, South Africa ~72: BEREND JAN WERKMAN;JACOBUS JOHANNES CLAASSEN;JAUNDRÉ TALJAARD~ 33:ZA ~31:2022/08481 ~32:29/07/2022

2023/07447 ~ Complete ~54:METHOD FOR FLOTATION OF A SILICATE-CONTAINING IRON ORE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BUDEMBERG, Gabriela;MICHAILOVSKI, Alexej;SOBOTKA, Bettina~ 33:EP ~31:21150123.4 ~32:04/01/2021;33:EP ~31:21150704.1 ~32:08/01/2021;33:EP ~31:21151460.9 ~32:13/01/2021

2023/07457 ~ Complete ~54:SYSTEMS FOR DAMPING A SOLAR PHOTOVOLTAIC ARRAY TRACKER ~71:FTC Solar, Inc., 11801 Domain Blvd., 3rd Floor, AUSTIN 78758, TX, USA, United States of America ~72: CHERUKUPALLI, Nagendra Srinivas;LOBUE, Joseph D.;MOUNIANDY, Tamilarasan;ZABALA, Milo~ 33:US ~31:63/199,643 ~32:14/01/2021;33:US ~31:17/201,323 ~32:15/03/2021;33:US ~31:17/221,348 ~32:02/04/2021;33:US ~31:17/223,468 ~32:06/04/2021;33:US ~31:17/301,635 ~32:09/04/2021;33:US ~31:17/302,826 ~32:13/05/2021

2023/07466 ~ Complete ~54:CONSUMER PRODUCT ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DANIELLA WICHUDA DARIO DE-LEON;ELIZABETH JANE WILLIAMS;JAMES JOHN FRANKLIN;MANOJ SATISH GHATGE;SANDIP DAS;VO-KIEN TRUNG~ 33:IN ~31:202121006887 ~32:18/02/2021;33:EP ~31:21175068.2 ~32:20/05/2021

2023/07415 ~ Complete ~54:COMMENT DIGGING SYSTEM FOR ELECTRONIC PRODUCTS BASED ON NEURAL NETWORK ~71:GUILIN UNIVERSITY OF TECHNOLOGY, No. 12, Jiangan Road, Qixing District, Guilin City, Guangxi Zhuang Autonomous Region, 541000, People's Republic of China ~72: LIU, Xiaomin;LIU, Yarong;XIE, Xiaolan~

2023/07420 ~ Complete ~54:DEDUSTING SYSTEM FOR NANO-MATERIAL PROCESSING WORKSHOP ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: HUA Chunfei;LI Wei;NING Yunfei;ZHANG Renqi~

2023/07436 ~ Complete ~54:PROCESS FOR RECOVERING CLOSE BOILING PRODUCTS ~71:LANZATECH, INC., 8045 Lamon Avenue, Suite 400, Skokie, Illinois, 60077, United States of America ~72: ALLAN HAIMING GAO;DEREK WAYNE GRIFFIN;PENG TIAN;ROBERT JOHN CONRADO~ 33:US ~31:62/803,120 ~32:08/02/2019

2023/07450 ~ Complete ~54:SLIDER FOR SUPPORTING A TRACK ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BALDWIN, Alex D.;DUMITRU, Mircea~ 33:US ~31:17/248,587 ~32:29/01/2021

2023/07454 ~ Complete ~54:IRRADIATION TARGET FOR PRODUCING MO-99 ISOTOPE IN HEAVY WATER REACTOR ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No.29 Hongcao Road, SHANGHAI 200233, XUHUI DISTRICT, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Fuliang;HAN, Yu;LU, Junqiang;YE, Qing;ZHOU, Yunqing;ZHU, Libing~ 33:CN ~31:202110144157.1 ~32:02/02/2021

2023/07461 ~ Complete ~54:AEROSOL GENERATION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ABI AOUN, Walid;KORUS, Anton;MOLONEY, Patrick~ 33:GB ~31:2101459.2 ~32:03/02/2021

. - APPLIED ON 2023/07/27 -

2023/07472 ~ Complete ~54:THERMOELECTRIC CONVERSION EFFICIENCY DETECTION SYSTEM AND METHOD ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DONG Haipeng;DOU Cheng;DUAN Kunjie;HUANG Xiaoya;LI Wei;PAN Hui;QI Fuhao;WANG Huanli;WANG Menghao;WANG Mengke;WANG Wenfang;WANG Xinlian;XU Huafeng;YE Mengna;ZHANG Renqi~

2023/07483 ~ Complete ~54:MONOCLONAL ANTIBODIES AGAINST CLDN18.2 AND FC-ENGINEERED VERSIONS THEREOF ~71:SHIJIAZHUANG YILING PHARMACEUTICAL CO., LTD., No.238, Tianshan Street, High-Tech Area Shijiazhuang, People's Republic of China ~72: JIA, Zhenhua~ 33:CN ~31:PCT/CN2021/097239 ~32:31/05/2021;33:CN ~31:PCT/CN2021/097240 ~32:31/05/2021;33:CN ~31:PCT/CN2021/106783 ~32:16/07/2021;33:CN ~31:PCT/CN2021/106784 ~32:16/07/2021

2023/07491 ~ Complete ~54:USE OF ANTIBODY-DRUG CONJUGATE TARGETING HER2 IN TREATMENT OF SPECIFIC 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;RUYI HE;XIAOHONG SU;XUGUANG GUO~ 33:CN ~31:202110189905.8 ~32:18/02/2021;33:CN ~31:202110506596.2 ~32:10/05/2021

2023/07497 ~ Complete ~54:PROCESS FOR PREPARING A CONJUGATE LINKING MOIETY ~71:Cybrexa 2, Inc., 5 Science Park, 395 Winchester Avenue, NEW HAVEN 06511, CT, USA, United States of America ~72: MAGUIRE, Robert John;SCHOEVAART, Willem Robert Klaas;VAN VLIET, Michiel Christian Alexander~ 33:US ~31:63/135,088 ~32:08/01/2021

2023/07470 ~ Complete ~54:PHYSICAL EXERCISE PRACTICE RACK ~71:Taishan University, No. 525, Dongyue Avenue, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: LI, Qinsheng~

2023/07480 ~ Complete ~54:SIMPLIFIED METERING MECHANISM ~71:JACOBS, ADRIAAN HENDRIK, Plot 53 Harpington,, South Africa ~72: JACOBS, ADRIAAN HENDRIK~ 33:ZA ~31:2022/10593 ~32:26/09/2022

2023/07486 ~ Complete ~54:METHODS OF TREATING AL AMYLOIDOSIS ~71:PROTHENA BIOSCIENCES LIMITED, 77 Sir John Rogerson's Quay, Block C, Grand Canal Docklands, Ireland ~72: KARP, Carol;KINNEY, Gene;TRIPURANENI, Radhika;ZAGO, Wagner~ 33:US ~31:63/143,728 ~32:29/01/2021

2023/07493 ~ Complete ~54:DEVICE AND METHOD FOR REGULATING THE CONTENT OF MICROORGANISMS ~71:c-square bioscience GmbH, Technopark 1, Gebäude C, TULLN AN DER DONAU 3430, AUSTRIA, Austria ~72: KRAETSCHMER, Gerald~

2023/07468 ~ Provisional ~54:MAGNIFICENTLY EXCELLENT ~71:Chereze Salome Booysen, 31 Meintjies, Spandauville, South Africa ~72: Chereze Salome Booysen~

2023/07477 ~ Complete ~54:LEG LIGAMENT STRETCHER ~71:Anhui Polytechnic University, No.8 Beijing Load Jiujiang District, Wuhu City, Anhui Province, People's Republic of China ~72: He Xiaomin;Li Huimin;Teng Anqi;Wang Yu;Zhang Yong~ 33:CN ~31:202320084563.8 ~32:29/01/2023

2023/07484 ~ Complete ~54:COMPOUNDS AND METHODS FOR REDUCING PLN EXPRESSION ~71:IONIS PHARMACEUTICALS, INC., 2855 Gazelle Court, Carlsbad, United States of America ~72: BUI, Huynh-Hoa;FREIER, Susan M;KUBLI, Dieter;MULLICK, Adam;YEH, Ting Yuan~ 33:US ~31:63/148,579 ~32:11/02/2021

2023/07490 ~ Complete ~54:PRODUCT DISPENSING SYSTEM COMPRISING A MOTOR DRIVEN AIR PUMP, A DISPENSING DEVICE AND A PRODUCT CONTAINER ~71:DISPENSING TECHNOLOGIES B.V., Achtseweg Zuid 151 B, 5651 GW, Eindhoven, Netherlands ~72: DOMINICUS JAN VAN WIJK;MARTINUS WILHELMUS HAEGENS;PAULO NERVO~ 33:NL ~31:2027605 ~32:19/02/2021

2023/07498 ~ Complete ~54:THERAPEUTIC COMBINATIONS OF ROSUVASTATIN AND RESMETIROM FOR THE TREATMENT OF LIVER DISORDERS OR LIPID DISORDERS ~71:Madrigal Pharmaceuticals, Inc., Four Tower Bridge, 200 Barr Harbor Drive, Suite 200, WEST CONSHOHOCKEN 19428, PA, USA, United States of America ~72: TAUB, Rebecca~ 33:US ~31:63/143,977 ~32:01/02/2021

2023/07504 ~ Provisional ~54:GYTNY TAXI APPLICATION ~71:Bornwell Kandiero, 12 Fitz Patrick Street, South Africa ~72: Bornwell Kandiero~

2023/07473 ~ Complete
~54:METHOD FOR STRUCTURED GENERATION OF MEDICAL IMAGING REPORTS BASED ON VISUAL QU ESTION ANSWERING ~71:Hangzhou Dianzi University, Xiasha Higher Education Park, Hangzhou, Zhejiang, People's Republic of China ~72: Zijie Zhou~ 33:CN ~31:202310198891.5 ~32:03/03/2023

2023/07482 ~ Complete ~54:GREEN FULL-AUTOMATIC SAND-FIXING FLEXIBLE PROTECTOR FOR SANDY BEACHES WITH HIGH EFFICIENCY AND LOW CONSUMPTION ~71:Zhejiang University of Water Resources and Electric Power, No. 583, Xuelin Street, Baiyang Street, Qiantang District, Hangzhou, Zhejiang Province, 310018, People's Republic of China ~72: CHEN Yekai;FENG Jianjiang;HUANG Saihua;NIE Hui;RONG Qinhuan;WANG Keqi;WANG Luyao;WANG Qian;ZHONG Lingyinzi~ 33:CN ~31:2022110102627 ~32:23/08/2022

2023/07469 ~ Provisional ~54:MOBILE PHONE COVER BANKING PAYMENT DEVICE ~71:Dean Fredrick Erasmus, 444 Redacres, South Africa ~72: Dean Fredrick Erasmus~

2023/07476 ~ Complete ~54:A DEVICE FOR RECEIVING, STORING AND TRANSFERRING ELECTRONIC TOKENS ~71:RYAN EDGAR DENNIS ROSEVEARE, 21 York Avenue, Craighall Park, Johannesburg, South Africa;WAYNE LESLIE LURIE, 7A York Avenue Craighall Park, Johannesburg, 2196, South Africa ~72: RYAN EDGAR DENNIS ROSEVEARE;WAYNE LESLIE LURIE~ 33:ZA ~31:2022/08607 ~32:02/08/2022

2023/07481 ~ Complete ~54:AUTOMATIC FORCE FLOATING OBJECT COLLECTION DEVICE BASED ON OCEAN WAVES ~71:Zhejiang University of Water Resources and Electric Power, No. 583, Xuelin Street, Baiyang Street, Qiantang District, Hangzhou, Zhejiang Province, 310018, People's Republic of China ~72: CHEN Hao;GAO Yidan;HUANG Saihua;NIE Hui;XIE Huawei;YE Zhengda;ZHANG Yuliang;ZHU Shuxian~ 33:CN ~31:2022106679612 ~32:14/06/2022

2023/07485 ~ Complete ~54:METHOD FOR MANUFACTURING A SUPPORTED TANTALUM CATALYST ~71:ECOVYST CATALYST TECHNOLOGIES LLC, 300 Lindenwood Drive Malvern, United States of America ~72: HU, Yatao Rachel;SHAH, Parag Rasiklal~ 33:US ~31:63/143,484 ~32:29/01/2021

2023/07492 ~ Complete ~54:CHIMERIC ADENOVIRAL VECTORS ~71:VAXART, INC., 170 Harbor Way, STE300 South San Francisco, California 94080, United States of America ~72: EMERY DORA;SEAN TUCKER~ 33:US ~31:63/144,339 ~32:01/02/2021;33:US ~31:PCT/US2021/035930 ~32:04/06/2021

2023/07496 ~ Complete ~54:NOVEL RESISTANCE GENES ASSOCIATED WITH DISEASE RESISTANCE IN SOYBEANS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BREITINGER, Becky Welsh;CURLEY Jr., Thomas Joseph;FARMER, Andrew David;LIU, Qingli;QIN, Yinping Lucy;TAN, Xiaoping~ 33:US ~31:63/147,849 ~32:10/02/2021;33:US ~31:63/209,005 ~32:10/06/2021

2023/07502 ~ Complete ~54:ROTARY BLADE, ROTATING DEVICE, AND POWER GENERATION DEVICE ~71:ECO TECHNOLOGY CO., LTD., 16-1, Hinooka-cho 1-chome, Chikusa-ku, Japan ~72: KATO, Masaharu~ 33:JP ~31:2021-012949 ~32:29/01/2021;33:JP ~31:2021-102908 ~32:22/06/2021

2023/07475 ~ Complete ~54:CALLUS CULTURE DEVICE FOR SORGHUM BREEDING ~71:Shanxi Agricultural University, Sorghum Research Institute, No. 238 Yunhua West Street, Yuci District, Jinzhong City, Shanxi Province, 030600, People's Republic of China ~72: Mengen NIE~

2023/07478 ~ Complete ~54:INTELLIGENT BRIDGE TOWER CRACK DETECTION RING ROBOT ~71:CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP CO.,LTD., 32 Zhonghuan West Road, Tianjin Pilot Free Trade Zone (Airport Economic Zone), 300000, People's Republic of China ~72: An Luming;Chen Gang;Chen Meiyu;Fan Lilong;Gao Jian;Liu Changhui;Liu Yuxiong;Lv Guanjun;Qiao Shuxun;Su Zanyao;Sun Leilei;Zhang Linlin;Zhang Pengzhi;Zhao Jian~

2023/07488 ~ Complete ~54:METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID ~71:FMC AGRO SINGAPORE PTE. LTD., 10 Marina Boulevard #40 - 01, Marina Bay Financial Centre, Singapore, 018983, Singapore;FMC CORPORATION, 2929 Walnut Street, Patent Dept., Philadelphia, Pennsylvania 19104, United States of America ~72: XIN LIU;YANCHUN CAO;ZHIJIAN XU~ 33:US ~31:63/143,156 ~32:29/01/2021

2023/07494 ~ Complete ~54:A METHOD OF ADMINISTERING NITRIC OXIDE GAS ~71:ThermoLife International, LLC, 1220 E Hill St, SIGNAL HILL 90755, CA, USA, United States of America ~72: KRAMER, Ronald;NIKOLAIDIS, Alexandros~ 33:US ~31:63/148,523 ~32:11/02/2021;33:US ~31:63/180,039 ~32:26/04/2021

2023/07500 ~ Complete ~54:DUAL MODE RADIOTRACER AND -THERAPEUTICS ~71:Technische Universität München, Arcisstr. 21, MÜNCHEN 80333, GERMANY, Germany ~72: FELBER, Veronika Barbara;VALENTIN, Manuel Amando;WESTER, Hans-Jürgen~ 33:EP ~31:21150122.6 ~32:04/01/2021

2023/07471 ~ Complete ~54:PORTABLE HYDRAULIC SOIL DRILLING DEVICE FOR SAMPLING SOIL OF FOREST CARBON POOL ~71:Pingdingshan University, Pingdingshan University, Middle section of Weilai Road, Xinhua District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN, Changdong;CHENG, Liping;CHENG, Shiping;LI, Yanjiao;QI, Guang;TONG, Weishuang;ZHANG, Zhilu~

2023/07479 ~ Complete ~54:SEEDING TOOL ~71:Ausplow Pty. Ltd., 6 Davison Road, COCKBURN CENTRAL 6164, WESTERN AUSTRALIA, AUSTRALIA, Australia ~72: BEACHAM, Raymond;BLIGHT, Christopher;LOVELL, Brett;PETRUCCIOLI, Aldo;RYAN, John William~ 33:AU ~31:2022902126 ~32:28/07/2022

2023/07487 ~ Complete ~54:FUEL THEFT DETECTION METHOD AND FUEL THEFT DETECTION DEVICE ~71:YAZAKI CORPORATION, 8-15, Konan 1-Chome, Minato-ku , Tokyo, 108-0073, Japan ~72: AKITOMO

TANAKA;DAISUKE TAKANOHASHI;NAOKO INOUE;TOMOHIRO MASUDA~ 33:JP ~31:2021-018569 ~32:08/02/2021

2023/07499 ~ Complete ~54:PHARMACEUTICAL COMPOSITION CONTAINING GHRP-6 ~71:Centro de Ingeniería Genética y Biotecnología, Avenida 31 No. 15802, entre 158 y 190, Cubanacán, Playa, LA HABANA 11600, CUBA, Cuba ~72: BACARDÍ FERNÁNDEZ, Dania Mercedes;BERLANGA ACOSTA, Jorge Amador;CASTRO ODIO, Fidel Raúl;GARCIA DEL BARCO HERRERA, Diana;GONZÁLEZ GONZÁLEZ, Yaima;GONZALEZ BLANCO, Sonia;GUILLEN NIETO, Gerardo Enrique;HERNANDEZ BERNAL, Francisco;SANTANA MILIAN, Hector Jesús;VALIENTE MUSTELIER, Juan;ZARATE RIVERA, Yasser~ 33:CU ~31:2021-0010 ~32:29/01/2021

2023/07474 ~ Complete ~54:SYNTHESIS METHOD OF PHENOL-FORMALDEHYDE RESIN FOR ABRASIVE TOOLS AND ABRASIVES ~71:Puyang Enying Polymer Materials Co.,Ltd., South West Point of the intersection of Weisan Road and Jingshi Road, Puyang Industrial Park, Henan Province, 457000, People's Republic of China ~72: LI, Yuhui;LOU, Yuanchao;LU, Zaijun;WANG, Kai;YUAN, Faxin;ZHANG, Keyang~ 33:CN ~31:202210966086.8 ~32:12/08/2022

2023/07489 ~ Complete ~54:METHOD FOR PREPARING TERT-BUTYL N-((1R,2S,5S)-2-((2-((5-CHLOROPYRIDIN-2-YL)AMINO)-2-OXOACETYL)AMINO)-5-(DIMETHYLCARBAMOYL)CYCLOHEXYL)CARBAMATE ~71:FMC AGRO SINGAPORE PTE. LTD., 10 Marina Boulevard #40 - 01, Marina Bay Financial Centre, Singapore, 018983, Singapore;FMC CORPORATION, 2929 Walnut Street, Patent Dept., Philadelphia, Pennsylvania 19104, United States of America ~72: HAO WANG;NING XU;XIN LIU;YANCHUN CAO;ZHIJIAN XU~ 33:US ~31:63/143,282 ~32:29/01/2021

2023/07495 ~ Complete ~54:CONTEXT MODELING FOR SIGN PREDICTION FOR VIDEO CODING ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: KARCZEWICZ, Marta;KEROFSKY, Louis Joseph;SEREGIN, Vadim~ 33:US ~31:63/167,507 ~32:29/03/2021;33:US ~31:17/656,319 ~32:24/03/2022

2023/07501 ~ Complete ~54:MICROWELL ASSAY PLATE AND RELATED METHODS ~71:Wallac Oy, Mustionkatu 6, TURKU 20750, FINLAND, Finland ~72: KORPIMAKI, Teemu;SAIRANEN, Mikko;VEIKKOLAINEN, Ville~ 33:US ~31:63/144,215 ~32:01/02/2021

2023/07503 ~ Provisional ~54:WATERPUMP ENERGY FREE ~71:Ntanganedzeni Kenneth Mashige, 30 Reits Street,, South Africa ~72: Ntanganedzeni Kenneth Mashige ~

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2023/07517 ~ Complete ~54:LOW HEADROOM CLASSIFICATION AND GRAVITY CIRCUIT ~71:LYCOPODIUM MINERALS PTY LTD, Level 5, 1 Adelaide Terrance, Australia ~72: GIDDY, Mark;LUIES, Johan;RUGGIERO, Bruno~ 33:AU ~31:2022902494 ~32:30/08/2022

2023/07519 ~ Complete ~54:EXTRACT OF SAUCE-FLAVORED DISTILLER'S GRAINS, PREPARATION METHOD AND APPLICATION THEREOF IN ANTI-INFLAMMATORY ELECTRONIC CIGARETTE LIQUID ~71:Chengdu Baolu Biotechnology Co., Ltd., No. 60, Floor 15, Building 1, No. 20, Jialing Road, Wuhou District, Chengdu, Sichuan Province, 610047, People's Republic of China;Moutai Institute, Luban Avenue, Renhuai City, Zunyi City, Guizhou Province, 564500, People's Republic of China ~72: LI, Baihan;WU, Ganghong;ZHENG, Yuxi~ 33:CN ~31:2023107147519 ~32:16/06/2023

2023/07521 ~ Complete ~54:METHOD FOR SIMULTANEOUSLY PRODUCING LACTIC ACID, GLYCERIN, ETHANOL AND HIGH-QUALITY FEED BY UTILIZING DISTILLER'S GRAINS ~71:Chengdu Baolu Biotechnology

Co., Ltd., No. 60, Floor 15, Building 1, No. 20, Jialing Road, Wuhou District, Chengdu, Sichuan Province, 610047, People's Republic of China;Moutai Institute, Luban Avenue, Renhuai City, Zunyi City, Guizhou Province, 564500, People's Republic of China ~72: LI, Baihan;WU, Ganghong;ZHANG, Chunlin;ZHENG, Yuxi~ 33:CN ~31:2023107210813 ~32:16/06/2023

2023/07527 ~ Complete ~54:LED LUMINAIRE ~71:BARRY ANTHONY PAUL SEYMOUR, 15 Ness Avenue, Bryanston Ext 8, Gauteng, 2191, South Africa ~72: BARRY ANTHONY PAUL SEYMOUR~ 33:ZA ~31:2022/04763 ~32:29/04/2022

2023/07530 ~ Complete ~54:REACTIVE GROUND TESTING ~71:QMR (IP) PTY LTD, Unit 10 7 Boundary Street, Brisbane, Australia ~72: CAVANOUGH, Gary Lindsay~ 33:AU ~31:2021900336 ~32:11/02/2021;33:AU ~31:2021201993 ~32:30/03/2021

2023/07532 ~ Complete ~54:A MONITORING SYSTEM FOR MONITORING PARAMETERS REPRESENTATIVE OF OPERATING CONDITIONS OF AN OIL FILM BEARING ~71:DANIELI & C. OFFICINE MECCANICHE S.P.A., Via Nazionale, 41, 33042 BUTTRIO (UD), Italy ~72: NOBILE, Matteo;VERONESI, Enrico;VITIELLO, Gianluigi~ 33:IT ~31:102021000001889 ~32:29/01/2021

2023/07510 ~ Provisional ~54:GATE DRIVE DOS ENCODER REPLACEMENT ASSEMBLY ~71:HARVEY, Hugh Michael, 50 Panorama Road, South Africa ~72: HARVEY, Hugh Michael~

2023/07507 ~ Provisional ~54:MY CORRUPT FREE DRIVER'S LICENCE TECHNOLOGY SOLUTION ~71:SELOTA SHAI, 12 SNEEUGRAS CRESCENT, COUNTRY VIEW, South Africa ~72: SELOTA SHAI~

2023/07505 ~ Provisional ~54:COMMET (COMMUNITY HELMET) ~71:Jandre Bester, 259 Johannes street, Fairland, South Africa ~72: Jandre Bester;Nici van der Linden~

2023/07513 ~ Complete ~54:A METHOD FOR CULTIVATING DWARF SORGHUM MUTANTS ~71:Shanxi Agricultural University, Sorghum Research Institute, No. 238, Yunhua West Street, Yuji District, Jinzhong City, Shanxi Province, 030600, People's Republic of China ~72: Xinqi FAN~

2023/07518 ~ Complete ~54:SLURRY TREATMENT APPARATUS ~71:VIETTI SLURRYTEC (PTY) LTD, 33 Kyalami Boulevard, Kyalami Business Park, South Africa ~72: ANDREW JOSEPH VIETTI~ 33:ZA ~31:2022/09637 ~32:30/08/2022

2023/07535 ~ Complete ~54:MECHANICAL OUTLET ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, United States of America ~72: ALBRIGHT, Christopher;BOWMAN, Matthew A.;RICHARDS, Christopher A.~ 33:US ~31:63/180,115 ~32:27/04/2021

2023/07538 ~ Complete ~54:USE OF A BET INHIBITOR ALONE OR IN COMBINATION WITH FEDRATINIB OR RUXOLITINIB FOR TREATING A HEMATOLOGICAL MALIGNANCY SUCH AS MYELOFIBROSIS ~71:Impact Biomedicines, Inc., 86 Morris Avenue, SUMMIT 07901, NJ, USA, United States of America ~72: ARONCHIK, Ida;BELTRAN VALENCIA, Roxxana Valeria;CARRANCIO ANTON, Maria Soraya;CHANG, Henry H.;COKER, Shodeinde;DAS, Sharmila;ESPOSITO, Oriana;FILVAROFF, Ellen Hope;GUARINOS MARHUENDA, Carla;HANNA, Bishoy;LIU, Yu;NIKOLOVA, Zariana~ 33:EP ~31:21382163.0 ~32:25/02/2021;33:US ~31:63/232,866 ~32:13/08/2021;33:US ~31:63/297,098 ~32:06/01/2022

2023/07514 ~ Complete ~54:ENHANCED AIR-INDUCED FIREBREAK UNIT ~71:FRITZ, MARNES, 100 ROOIBOK STREET, South Africa ~72: FRITZ, MARNES~

2023/07549 ~ Complete ~54:WORMWOOD-FLAVORED CHINESE CHESTNUT BREWING POWDER AND PREPARATION METHOD THEREFOR ~71:SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, 23788

Industrial North Road, Licheng District Jinan, People's Republic of China ~72: DENG, Peng;DONG, Xiaodan;PENG, Chune;PENG, Lizeng;SUN, Sujun;WANG, Hengzhen~

2023/07515 ~ Complete ~54:REGULATION METHOD FOR PROMOTING EARLY FLOWER BUD DIFFERENTIATION AND FLOWER BRANCH INCREASE OF GRAPEFRUIT ~71:CITRUS RESEARCH INSTITUTE OF ZHEJIANG PROVINCE, NO. 1 YUSHANPING, People's Republic of China ~72: HUANG, Bei;JIN, Longfei;LIU, Feng;WANG, Peng;WEN, Mingxia;WU, Shaohui~

2023/07520 ~ Complete ~54:CHITOSAN ORGANIC FERTILIZER FOR SORGHUM BASED ON EXTREME MONASCUS ~71:Chengdu Baolu Biotechnology Co., Ltd., No. 60, Floor 15, Building 1, No. 20, Jialing Road, Wuhou District, Chengdu, Sichuan Province, 610047, People's Republic of China;Moutai Institute, Luban Avenue, Renhuai City, Zunyi City, Guizhou Province, 564500, People's Republic of China ~72: LI, Baihan;WU, Ganghong;ZHENG, Yuxi~ 33:CN ~31:2023107211144 ~32:16/06/2023

2023/07531 ~ Complete ~54:NOVEL PROCESS ~71:ARTIOS PHARMA LIMITED, Babraham Hall, Babraham Research Campus, United Kingdom ~72: ANSARI, Zarrin;FU, Yanjie;HEALD, Robert;KEEN, Stephen;LATHBURY, David;LIAO, Fuxu;LIDDON, John;LLOYD, Matthew;STOCKLEY, Martin Lee;TANG, Xiaoping;VERHAAR, Mark Theodoor;WANG, Qinjin;YANG, Pingao~ 33:CN ~31:202110166985.5 ~32:07/02/2021;33:GB ~31:2101715.7 ~32:08/02/2021

2023/07533 ~ Complete ~54:OPERATING METHOD OF CARDIOVASCULAR INTERVENTIONAL SURGICAL DEVICE BASED ON INTEGRATION OF CALCIFIED TISSUE REMOVAL, RECOVERY AND COOLING ~71:FUZHOU UNIVERSITY, No. 2 Wulongjiang North Avenue, Fuzhuo University Town, Minhou Country Fuzhou, Fujian, 350108, People's Republic of China ~72: GAO, Chuhang;HE, Bingwei;SUN, Xinhui;ZHU, Yunqi;ZHU, Zhaoju~ 33:CN ~31:202110593491.5 ~32:28/05/2021

2023/07539 ~ Complete ~54:MICRO-REACTOR CORE MECHANICAL SUPPORT ~71:Westinghouse Electric Company LLC, 1000 Westinghouse Drive, Suite 141, CRANBERRY TOWNSHIP 16066, PA, USA, United States of America ~72: ALESHIN, Yuriy;KELLNER, Stuart~ 33:US ~31:17/156,977 ~32:25/01/2021

2023/07544 ~ Complete ~54:APPLICATION OF CILOSTAZOL-CONTAINING COMPOSITION IN PREPARING DRUG FOR TREATING CEREBROVASCULAR DISEASE ~71:NEURODAWN PHARMACEUTICAL CO., LTD., L3244, 3rd Floor, Chuangye Building, No. 1009 Tianyuan East Road, Jiangning District, Nanjing, Jiangsu, 211199, People's Republic of China ~72: LEI WANG;RONG CHEN;SHIBAO YANG;YAO HUA;ZHENGPING ZHANG~ 33:CN ~31:202110039436.1 ~32:13/01/2021

2023/07523 ~ Complete ~54:A CARBON EMISSION MEASUREMENT METHOD FOR PREFABRICATED BRIDGE CONSTRUCTION ~71:North China Municipal Engineering Design & Research Institute Co., Ltd., No.99, Qixiangtai Road, Hexi District, Tianjin City, 300074, People's Republic of China ~72: Chenran Sun;Danxuan Xue;Guozhu Yuan;Hui Xu;Jia He;Kai Niu;Liping Guo;Weiwei Meng;Xiaodong Zhu;Xingyu Zhang~ 33:CN ~31:202211353329.7 ~32:01/11/2022

2023/07534 ~ Complete ~54:INCONTINENCE ARTICLE WITH TRANSFER COMPONENT ~71:PAUL HARTMANN AG, Paul-Hartmann-Str. 12, Germany ~72: ARRANZ, David Olalla;ESQUERRA, Juan;FERNÁNDEZ GÁMIZ, Juan Francisco;FRÜHE, Thomas;FRANK, Bernd;GRUESO, Daniel;KNECHT, Theresia;MÉRIDA RIVERO, Juan José;PÉREZ ALONSO, Francisco José~ 33:DE ~31:10 2021 102 760.8 ~32:05/02/2021

2023/07541 ~ Complete ~54:A METHOD FOR THE PREPARATION OF A SAUSAGE MIXTURE COATING GEL INCLUDING HIGH-PRESSURE PROCESSING ~71:SONJAL, Parc d'activités du bois de Teillay, France ~72: TANGUY, Alain~ 33:FR ~31:2101223 ~32:09/02/2021

2023/07543 ~ Complete ~54:FAUSTOVIRUS CAPPING ENZYME, MRNA CAPPING ENZYME COMPOSITIONS, METHODS AND KITS ~71:NEW ENGLAND BIOLABS, INC, 240 County Road, Ipswich, Massachusetts, 01938, United States of America ~72: CHRISPHER H TARON;G. BRETT ROBB;MEHUL GANATRA;SIU-HONG CHAN~

2023/07522 ~ Complete ~54:AI-IOT BASED CYLINDER TROLLEY SYSTEM AND THEREOF ~71:DR. DIPEN KUMAR RAJAK, DEPARTMENT OF MECHANICAL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY (ISM), DHANBAD, Jharkhand, 826004, India ~72: DR. ANSHUMAN DAS;DR. ARUNA KUMAR BEHURA;DR. ASHWINI KUMAR;DR. DIPEN KUMAR RAJAK;DR. L. A. KUMARASWAMIDHAS;DR. PRIYADARSHI TAPAS RANJAN SWAIN;DR. PRIYARANJAN SHARMA;DR. SANTOSH KUMAR SAHU;DR. SUDHANSU RANJAN DAS;MR. VINEETH V. K.~ 33:IN ~31:202331011690 ~32:21/02/2023

2023/07526 ~ Complete ~54:HUNTING TARGET ~71:VELDSMAN, De Waal Louis, 514 Lancelot road, Garsfontein, South Africa ~72: VELDSMAN, De Waal Louis~

2023/07529 ~ Complete ~54:DRILL BITS HAVING REINFORCED FACE ~71:LONGYEAR TM, INC., 2455 South 3600 West, United States of America ~72: CORONA, Robert Andrew;WRIGHT, Kiana~ 33:US ~31:63/131,602 ~32:29/12/2020

2023/07536 ~ Complete ~54:COMPOSITIONS INCLUDING SBI ADJUVANTS AND METHODS OF USE THEREOF ~71:Helix Nanotechnologies, Inc., Suite 600, 5 Channel Center Street, BOSTON 02210, MA, USA, United States of America ~72: BACKMAN, Kyle;DHAR, Nikhil;EROSHENKO, Nikolai;GILL, Taylor;JAMMEH, Kemo;KEAVENEY, Marianna;QUINN, Justin;RAJANIEMI, Hannu;WEBSTER, Everett~ 33:US ~31:63/156,860 ~32:04/03/2021

2023/07540 ~ Complete ~54:COMBINATION THERAPY COMPRISING A2A/A2B INHIBITORS, PD-1/PD-L1 INHIBITORS, AND ANTI-CD73 ANTIBODIES ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: ALMAGRO, Juan Carlos;BUONPANE, Rebecca A.;CARLSEN, Peter Niels;HUANG, Taisheng;LI, Yong;NASTRI, Horacio G.;QI, Chao;STEWART, Shaun M.;WANG, Hui;WANG, Xiaozhao;WU, Liangxing;YAO, Wenqing;ZHOU, Jing;ZHU, Wenyu~ 33:US ~31:63/131,659 ~32:29/12/2020

2023/07546 ~ Complete ~54:METHOD FOR CLEANING A COMPOSITION FOR CONVEYING FLOATING OBJECTS OF A HYDRAULIC CONVEYOR OF SUCH OBJECTS, HYDRAULIC CONVEYOR AND FACILITY EQUIPPED WITH SUCH A CONVEYOR ~71:MAF AGROBOTIC, Impasse d'Athènes, ZAC Albasud II – Bardonies, 82000, Montauban, France ~72: PHILIPPE BLANC~ 33:FR ~31:FR2100889 ~32:29/01/2021

2023/07547 ~ Complete ~54:ELECTRONIC DEVICE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: JUHEE HAN;JUNGCHUL AN;SUNMIN PARK~ 33:KR ~31:10-2021-0013871 ~32:01/02/2021

2023/07548 ~ Complete ~54:NON-ELECTRIC GRAVITY FEED PELLET STOVE ~71:INDEPENDENCE STOVE COMPANY LLC, 926 SW 6th Street, Grants Pass, Oregon, 97526, United States of America ~72: GARY L WISENER;GENE R BRADLEY~ 33:US ~31:63/132,483 ~32:31/12/2020;33:US ~31:17/160,360 ~32:27/01/2021

2023/07509 ~ Provisional ~54:MEDICAMENT FOR TREATMENT OF TRAUMA ~71:Vernon Mancer, 256 Victoria Street, South Africa ~72: Vernon Mancer~

2023/07511 ~ Provisional ~54:SECURE AND AUTOMATED ELECTRONIC FUND TRANSFER (EFT) SOLUTION FOR ERROR-FREE PAYMENT TO NEW BENEFICIARIES ~71:RUSHERN RUVASHIN CHETTY, 3 Cotswold Drive, South Africa ~72: RUSHERN RUVASHIN CHETTY~

2023/07524 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING HERPES ZOSTER ~71:Minxian Hongrentang Pharmacy, 1F, QingfengRunyuan, Renminqiaotou, Minyang Town, Min County, Dingxi, Gansu, People's Republic of China ~72: Jingchun Hou;Lianhua Xue;Mingsheng Sun;Pingping Kou;Yingyu Hou;Zhaohu Chang;Zhiqian Zhang~ 33:CN ~31:2023108206463 ~32:06/07/2023

2023/07537 ~ Complete ~54:DUAL MODE RADIOTRACER AND -THERAPEUTICS ~71:Technische Universität München, Arcisstr. 21, MÜNCHEN 80333, GERMANY, Germany;Technische Universität München - Klinikum Rechts der Isar, Ismaningerstrasse 22, MÜNCHEN 81675, GERMANY, Germany ~72: EIBER, Matthias Johannes;WESTER, Hans-Jürgen;WURZER, Alexander Josef~ 33:EP ~31:21150122.6 ~32:04/01/2021

2023/07542 ~ Complete ~54:SYSTEM FOR MONITORING FAULTS IN A MEDIUM- AND/OR HIGH-VOLTAGE POWER LINE ~71:GAGARIN ANÍBAL SEPÚLVEDA LEÓN, Alonso Ercilla 7625, depto 801, La Florida Santiago, 8241691, Chile ~72: GAGARIN ANÍBAL SEPÚLVEDA LEÓN~ 33:US ~31:63/132,041 ~32:30/12/2020

2023/07545 ~ Complete ~54:TUNNEL STRUCTURE ~71:HAYGROVE LIMITED, Redbank, Ledbury, Hereford & Worcester, HR8 2JL, United Kingdom ~72: OSCAR CHAVEZ~ 33:GB ~31:2101076.4 ~32:27/01/2021

2023/07508 ~ Provisional ~54:ACQUISITION OF DRIVER'S LICENCE USING VEHICLE TELEMATICS TECHNOLOGY SOLUTION ~71:SELOTA SHAI, 12 SNEEUGRAS CRESCENT, COUNTRY VIEW, South Africa ~72: SELOTA SHAI~

2023/07512 ~ Complete ~54:ELECTROHYDRAULIC CONTROL ORIENTING APPARATUS FOR COILED TUBING DRILLING ~71:Chongqing University of Science and Technology, No. 20, East University Town Road, Shapingba District, Chongqing, 401331, People's Republic of China ~72: CHEN, Yipu;GUO, Xiaole;LI, Meng;LIU, Jilin;SU, Kanhua;WAN, Lifu;XU, Jiangen;ZOU, Wenbin~

2023/07506 ~ Provisional ~54:SAFETY NET ~71:NIXON, Timothy Edward Piggott, 37 Company Road, Mnandi, CENTURION 0149, Gauteng, SOUTH AFRICA, South Africa ~72: NIXON, Timothy Edward Piggott~

2023/07516 ~ Complete ~54:SUPPORT STRUCTURE FOR FLOTATION CELL ~71:LYCOPODIUM MINERALS PTY LTD, Level 5, 1 Adelaide Terrance, Australia ~72: MARLOW, Scott;RUGGIERO, Bruno~ 33:AU ~31:2022902314 ~32:15/08/2022

2023/07525 ~ Complete ~54:COGNITIVE THERAPEUTIC APPARATUS FOR ELECTRICAL STIMULATION BEHAVIOR CONVENIENT FOR PERSONAL USE ~71:Ningbo Kangning Hospital (Ningbo Center for Mental Disease Prevention and Control), No. 1, Zhuangyu South Road, Zhuangshi street, Zhenhai District, Ningbo City, Zhejiang Province, People's Republic of China ~72: CHEN Qinyi;FENG Jingjing;WANG Yubo;YE Xuejie;ZHANG Yuanyuan;ZHOU Dongsheng~

2023/07528 ~ Complete ~54:ROTOR BLADE OF A WIND TURBINE AND CORRESPONDING WIND TURBINE ~71:BEWIND GMBH, Hollesenstraße 27, 24768, Rendsburg, Germany;WEG EQUIPAMENTOS ELÉTRICOS S/A, AV. Prefeito Waldemar Grubba, 3300, Vila Lalau, Jaraguá do Sul – SC – 89256900, Brazil ~72: MARC PETSCHE~ 33:US ~31:63/393,666 ~32:29/07/2022

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2023/07577 ~ Complete ~54:ANTENNA AND ELECTRONIC APPARATUS COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea

~72: HYOSEOK NA;JUNGHWAN SON;NAMJUN CHO;YOUNGJU KIM~ 33:KR ~31:10-2021-0022188 ~32:18/02/2021;33:KR ~31:10-2021-0079616 ~32:18/06/2021

2023/07582 ~ Complete ~54:SEEDER WITH ADJUSTABLE SEEDING SPACING ~71:SIXIAN WEIDA AGRICULTURAL MACHINERY CO., LTD., West Of China National Highway 104, Daji Village, Yunhe Street, Si County, Suzhou, People's Republic of China ~72: GAN, Li;LI, Da;LI, Guangyao;ZHAO, Shougan~ 33:CN ~31:CN202310312261.6 ~32:28/03/2023

2023/07552 ~ Provisional ~54:POINT OF SALE SMARTPHONE CASE ~71:Dean Fredrick Erasmus, 444 Redacres, South Africa ~72: Dean Fredrick Erasmus~

2023/07564 ~ Complete ~54:A METHOD OF PURCHASING A PRODUCT USING A MOBILE DEVICE ~71:SCOOD (PTY) LTD., 2 Watersmeet Road, Parel Vallei, CAPE TOWN 7130, Western Cape Province, SOUTH AFRICA, South Africa ~72: LUBBE, Nicola~

2023/07565 ~ Complete ~54:INERTIAL HYDRODYNAMIC PUMP AND WAVE ENGINE ~71:LONE GULL HOLDINGS, LTD., 5331 SW Macadam Ave., Suite 258-332, Portland, Oregon 97239, United States of America ~72: BRIAN LEE MOFFAT;DANIEL WILLIAM PLACE;GARTH ALEXANDER SHELDON-COULSON;IVAR LEE THORSON~ 33:US ~31:62/978,299 ~32:19/02/2020;33:US ~31:63/026,670 ~32:18/05/2020;33:US ~31:63/060,145 ~32:03/08/2020

2023/07572 ~ Complete ~54:3H,4H-THIENO[2,3-D]PYRIMIDIN-4-ONE DERIVATIVES AS TRPA1 INHIBITORS ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BINDER, Florian Paul Christian;FLECK, Martin,Thomas;WILLWACHER, Jens~ 33:EP ~31:21168436.0 ~32:14/04/2021

2023/07600 ~ Provisional ~54:SAFE RELEASE WIRE ROPE PULLEY SYSTEMS ~71:Leon Harmsen, 18 Trevor Street,, South Africa ~72: Leon Harmsen~

2023/07596 ~ Provisional ~54:ENTERATTENDMENT WEBSITE ~71:IPELENG GIFT MOATSHE, 433 Buiten Drive, South Africa ~72: IPELENG GIFT MOATSHE~

2023/07555 ~ Provisional ~54:EXTRACTS OF SANICULA ELATA FOR USE IN TREATING PULMONARY TUBERCULOSIS ~71:WALTER SISULU UNIVERSITY, Nelson Mandela Drive, Mthatha, Eastern Cape, 5100, South Africa ~72: CONSTANCE SEWANI-RUSIKE;LUBABALO MACINGWANA;MATHULO MATHABISO SHAULI;MONOABISI MTOKWANA~

2023/07585 ~ Complete ~54:ENGINEERING CONSTRUCTION WITH GEOGRID AND GEOTEXTILE, METHODS OF PRODUCING AND PROVIDING SUCH AND ITS USE ~71:Tensar Technologies Limited, Sett End Road West, Shadsworth Business Park, Shadsworth, BLACKBURN BB1 2PU, UNITED KINGDOM, United Kingdom ~72: CAVANAUGH, Joe;CURSON, Andrew;GOLOS, Michal;KAWALEC, Jacek~ 33:GB ~31:2101168.9 ~32:28/01/2021

2023/07579 ~ Complete ~54:MOLTEN SALT FISSION REACTOR WITH INTEGRATED PRIMARY EXCHANGER AND ELECTROGENERATOR COMPRISING SUCH A REACTOR ~71:NAAREA, 66 Allée de Corse, 92000, Nanterre, France ~72: JEAN-LUC ALEXANDRE~ 33:FR ~31:FR2101490 ~32:16/02/2021

2023/07550 ~ Provisional ~54:IN TOUCH ~71:John Vincent Cooper, 11 Herschel Walk, Upper Kenilworth, Cape Town, 7708, South Africa ~72: John Vincenty Cooper~

2023/07554 ~ Provisional ~54:ELECTRICAL ADAPTER AND METHOD ~71:LHA SYSTEMS (PTY) LTD, 1 Innovation Centre II, Meson str, Technopark, South Africa ~72: MALAN, Christo Hugo;ROSSOUW, Louis Hendrik Albertus;VAN DEVENTER, Martin Albert~

2023/07557 ~ Provisional ~54:DISPENSER ~71:Stephan Lary, no. 11 Castleview Road, Meadowridge, Cape Town, 7806, South Africa ~72: Stephan Lary~

2023/07571 ~ Complete ~54:3H,4H,5H,6H,7H-PYRIMIDO[4,5-B][1,4]OXAZINE-4,6-DIONE DERIVATIVES AS TRPA1 INHIBITORS ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BINDER, Florian Paul Christian;FLECK, Martin Thomas~ 33:EP ~31:21168440.2 ~32:14/04/2021

2023/07589 ~ Complete ~54:FGFR3 INHIBITOR COMPOUNDS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ABRAHAM, Adedoyin David;BUME, Desta Doro;CONDROSKI, Kevin Ronald;DILGER, Andrew Karl;HAZLITT, Robert Alan;KERCHER, Timothy Scott;METCALF, Andrew Terrance;URKALAN, Kaveri Balan;WALLS, Shane Michael~ 33:US ~31:63/156,527 ~32:04/03/2021

2023/07584 ~ Complete ~54:DISCONNECTION ARC PREVENTION IN CABLE-SUPPLIED POWER CONNECTION ~71:QUALCOMM Incorporated, 5775 Morehouse Drive, SAN DIEGO 92121, CA, USA, United States of America ~72: MISHRA, Lalan Jee;PAPARRIZOS, Georgios Konstantinos;WARNER, Joshua;WIETFELDT, Richard Dominic~ 33:US ~31:17/172,870 ~32:10/02/2021

2023/07595 ~ Complete ~54:HEAT EXCHANGE SYSTEM ~71:ELECTROCHAEA GMBH, Semmelweisstrasse 3, Germany ~72: HAFENBRADL, Doris;LEWANDOWSKI, Birgit;PATEL, Nitant;PINDER, Zachary;RODRIGO, Jose~ 33:DE ~31:20 2021 100 957.8 ~32:25/02/2021;33:DE ~31:10 2021 112 844.7 ~32:18/05/2021

2023/07575 ~ Complete ~54:METHODS AND MODIFIED NUCLEOSIDES FOR TREATING CORONAVIRUS INFECTIONS ~71:SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY, 1088 Xueyuan Avenue Shenzhen, People's Republic of China;SUN YAT-SEN UNIVERSITY, No. 135, Xingang Xi Road, Guangzhou, People's Republic of China ~72: Cao Liu;Guo Deyin;Ji Yanxi;Li Guanguan;Li Yingjun;Xu Tiefeng;Yang Yujian;Zhang Xumu;Zhou Qifan;Zhu Tiaozhen~ 33:CN ~31:202011613943.3 ~32:30/12/2020;33:CN ~31:202110562244.9 ~32:21/05/2021

2023/07580 ~ Complete ~54:HERBICIDAL COMPOSITION ~71:NIPPON SODA CO., LTD., 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, 1008165, Japan ~72: HUMBERTO MITIO HORIKOSHI;KAZUSHIGE KATO;YOJI IKEDA~ 33:JP ~31:2021-047968 ~32:22/03/2021

2023/07587 ~ Complete ~54:THRESHOLD KEY EXCHANGE ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: PETTIT, Michaella~ 33:GB ~31:2101590.4 ~32:05/02/2021

2023/07593 ~ Complete ~54:IRAK4 DEGRADERS AND USES THEREOF ~71:Kymera Therapeutics, Inc., 200 Arsenal Yards Blvd., Suite 230, WATERTOWN 02472, MA, USA, United States of America ~72: DAVIS, Jeffrey;GOLLOB, Jared;MCDONALD, Alice;RONG, Haojing~ 33:US ~31:63/149,621 ~32:15/02/2021;33:US ~31:63/263,055 ~32:26/10/2021;33:US ~31:63/265,466 ~32:15/12/2021

2023/07599 ~ Provisional ~54:ELECTRO MECHANICAL SHARER ~71:BIB INTERNATIONAL (PTY) LTD, Avenida Marginal,Casa 14,Q 57,Vila dos Pescadores Costa do sol-Maputo 999, Ensele Street, Kamagugu, Nelspruit, South Africa ~72: Lucrécio Lúcia Orlando Macuácua~

2023/07561 ~ Complete ~54:WELDING JIG ~71:VAN DER LEEK, Robert Benjamin, c/o Foldo Awnings, Isotope Street, South Africa ~72: VAN DER LEEK, Robert Benjamin~

2023/07569 ~ Complete ~54:SYSTEM AND METHOD FOR PREDICTING AN ADVANCING HEART DISEASE USING A SQUEEZE RECURRENT NEURAL NETWORK WITH POLITICAL OPTIMIZATION FOR GENE EXPRESSION DATA ANALYSIS ~71:CHETAN NIMBA AHER, Assistant Professor, Department of Computer

Engineering, AISSMS Institute of Information Technology, Pune, Kennedy Road, Near R.T.O., Pune – 411 001, Pune, MAHARASHTRA, 411001, India;MILIND PRALHAD GAJARE, Assistant Professor, Department of E&TC Engineering, AISSMS Institute of Information Technology, Pune, Kennedy Road, Near R.T.O., Pune – 411 001, Pune, MAHARASHTRA, 411001, India;RUPALI PANKAJ PATIL, Assistant Professor, Department of Electronics and Telecommunication Engineering, K J Somaiya College of Engineering, Somaiya Vidyavihar University, Vidyanagar, Vidya Vihar East, Vidyavihar, Mumbai, Maharashtra 400077, Mumbai, MAHARASHTRA, 400077, India;SARIKA NITIN ZAWARE, Assistant Professor, Department of Computer Engineering, AISSMS Institute of Information Technology, Pune, Kennedy Road, Near R.T.O., Pune – 411 001, Pune, MAHARASHTRA, 411001, India;VINAYAK BAIRAGI, Professor, Department of E&TC Engineering, AISSMS Institute of Information Technology, Pune, Kennedy Road, Near R.T.O., Pune – 411 001, Pune, MAHARASHTRA, 411001, India ~72: CHETAN NIMBA AHER;MILIND PRALHAD GAJARE;RUPALI PANKAJ PATIL;SARIKA NITIN ZAWARE;VINAYAK BAIRAGI~

2023/07573 ~ Complete ~54:URACIL DERIVATIVES AS TRPA1 INHIBITORS ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BINDER, Florian Paul Christian;FLECK, Martin Thomas;WILLWACHER, Jens~ 33:EP ~31:21168433.7 ~32:14/04/2021

2023/07591 ~ Complete ~54:NANOEMULSION ADJUVANT COMPOSITION FOR PNEUMOCOCCAL CONJUGATE VACCINES ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065, NJ, USA, United States of America ~72: AHL, Patrick L.;SKINNER, Julie M.;SMITH, William J.;SOUKUP, Randal J.~ 33:US ~31:63/145,651 ~32:04/02/2021

2023/07576 ~ Complete ~54:METHOD FOR PREPARING GLYCOLIC ACID AND METHYL GLYCOLATE THROUGH HYDROLYSIS OF METHYL METHOXYACETATE AND METHOXYACETIC ACID ~71:DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES, No.457 Zhongshan Road, Dalian, Liaoning, 116023, People's Republic of China ~72: LIU, Zhongmin;NI, Youming;ZHU, Wenliang~

2023/07556 ~ Provisional ~54:A TOW BAR ASSEMBLY ~71:BOSAL AFRICA (PTY) LTD, Rooibok Street, Koedoespoort Industrial Site, PRETORIA 0186, Gauteng, SOUTH AFRICA, South Africa ~72: BURGER, Andre~

2023/07563 ~ Complete ~54:SWIMMING POOL LIGHT ~71:Fluidra Waterlinx (Pty) Ltd, 5 Kruger Street, Denver, Johannesburg 2094, Gauteng, SOUTH AFRICA, South Africa ~72: BOTHA, Hermanus Johannes;VAN DER VYVER, Donovan~ 33:ZA ~31:2022/09451 ~32:24/08/2022

2023/07570 ~ Complete ~54:HIGH LOADING ORAL FILM FORMULATION ~71:INTELGENX CORP., 6420 Abrams St-Laurent, Québec, H4S 1Y2, Canada ~72: PAIEMENT, Nadine;TIR, Billal~ 33:US ~31:63/146,458 ~32:05/02/2021;33:US ~31:63/146,706 ~32:07/02/2021

2023/07588 ~ Complete ~54:NUCLEAR MOVABLE ELEMENT POSITION INDICATION APPARATUS, SYSTEM, AND METHOD ~71:Westinghouse Electric Company LLC, 1000 Westinghouse Drive, Suite 141, CRANBERRY TOWNSHIP 16066, PA, USA, United States of America ~72: CZWALGA, Steven E.;MEYERS, Timothy S.~ 33:US ~31:17/155,807 ~32:22/01/2021

2023/07560 ~ Complete ~54:VERSATILE ELECTRICAL CABLE INSULATOR DEVICE ~71:VAN DER WATT, HENDRIK JOHANNES, JABULANI CRAFT CENTRE, R34, South Africa ~72: VAN DER WATT, HENDRIK JOHANNES~

2023/07568 ~ Complete ~54:A SHIELD ABNORMAL DATA DETECTION METHOD AND A SYSTEM BASED ON A Z-SCORE MODEL ~71:CHINA RAILWAY FIRST GROUP CO., LTD, No. 1 Yanta North Road, Beilin District, Xi 'an, Shaanxi Province, 710054, People's Republic of China;INTELLIGENT & TECHNOLOGY BRANCH OF CHINA RAILWAY FIRST GROUP CO., LTD., No. 1 Yanta North Road, Beilin District, Xi 'an, Shaanxi

Province, 710054, People's Republic of China ~72: AN, Guoyong;CHEN, Zong;DONG, Jingyi;LIU, Dan;QIU, Fengtao;WANG, Xiaolin;WANG, Yong;XU, Hong;XU, Jinxiang;YUAN, Yongfeng~ 33:CN ~31:2022112009266 ~32:29/09/2022

2023/07592 ~ Complete ~54:WATER PROJECTILES AND TOY WEAPON THEREFOR ~71:GANOR, Liran, 18 Shenhav Street, EVEN YEHUDA 4054702, ISRAEL, Israel;LIVNE, Yigal, 17 Adar Street, ALFEI MENASHE 4485100, ISRAEL, Israel ~72: GANOR, Liran;LIVNE, Yigal~ 33:US ~31:63/143,862 ~32:31/01/2021

2023/07574 ~ Complete ~54:CLOSED CENTER HOIST VALVE WITH SNUBBING ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: DICKER, Dennis W.;MATE, Edward W.;O'NEILL, William N.~ 33:US ~31:17/164,512 ~32:01/02/2021

2023/07594 ~ Complete ~54:METHODS OF PREPARING DIRECTIONAL TAGMENTATION SEQUENCING LIBRARIES USING TRANSPOSON-BASED TECHNOLOGY WITH UNIQUE MOLECULAR IDENTIFIERS FOR ERROR CORRECTION ~71:ILLUMINA CAMBRIDGE LIMITED, 19 Granta Park, Great Abington, United Kingdom;ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: BELL, Emma;BETLEY, Jason Richard;CHUANG, Han-Yu;DESANTIS, Grace;EKSTRAND, Mats;GORMLEY, Niall Anthony;GROSS, Stephen;KAPER, Fiona;KENNEDY, Andrew B.;KUERSTEN, Robert Scott;MILLER, Oliver John;RICOULT, Sebastien Georg Gabriel;SCHULTZABERGER, Sarah E.;SLATTER, Andrew;VERITY, Susan C.~ 33:US ~31:63/168,802 ~32:31/03/2021

2023/07578 ~ Complete ~54:ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM ~71:ENERGY VAULT, INC., 4360 Park Terrace Dr., Suite 100, Westlake Village, California, 91361, United States of America ~72: ANDREA PEDRETTI;ROLAND MARKUS HÄNNI~ 33:US ~31:63/144,740 ~32:02/02/2021

2023/07581 ~ Complete ~54:PROCESS FOR PREPARING AN E-SELECTIN INHIBITOR INTERMEDIATE ~71:GLYCOMIMETICS, INC., 9708 Medical Center Drive, Rockville, Maryland, 20850, United States of America ~72: INDRANATH GHOSH~ 33:US ~31:63/150,940 ~32:18/02/2021

2023/07586 ~ Complete ~54:CLOSURE DEVICES AND MOLD COMPONENTS FOR MOLDING CLOSURE DEVICES ~71:Husky Injection Molding Systems Ltd., 500 Queen Street, SOUTH BOLTON L7E 5S5, ONTARIO, CANADA, Canada ~72: NAUMANN, Tobias;SCHERER, Stephan~ 33:US ~31:63/148,654 ~32:12/02/2021;33:US ~31:63/164,249 ~32:22/03/2021

2023/07597 ~ Provisional ~54:FAATUUK ~71:IPELENG GIFT MOATSHE, 433 Buiten Drive, South Africa ~72: IPELENG GIFT MOATSHE~

2023/07598 ~ Provisional ~54:DEBTATION ~71:IPELENG GIFT MOATSHE, 433 Buiten Drive, South Africa ~72: IPELENG GIFT MOATSHE~

2023/07619 ~ Provisional ~54:PAPER TAG ~71:CARSON: MARK HARLEY, 34 SPANISH GALLIARD, MOOIKLOOF, South Africa;SMIT: HENDRIK VAN ZYL, 98 SELROSE PARK, 5 GRIFFITH ROAD, EQUESTRIA, South Africa ~72: CARSON: MARK HARLEY ;SMIT: HENDRIK VAN ZYL ~

2023/07553 ~ Provisional ~54:A BOWLING ARM ~71:PIETERSE, Peter Barend, Village of Golden Harvest No. 1, cnr CR Swart and President Fouche Drive, South Africa ~72: PIETERSE, Peter Barend~

2023/07558 ~ Provisional ~54:COLLISION MITIGATION DEVICE ~71:Daryl Anthony SPENCER, 4 Vian Road, Winston Park, South Africa ~72: SPENCER, Daryl Anthony~

2023/07562 ~ Complete ~54:5G-BASED MAGNETISM GATHERING SCAN MONITORING SYSTEM FOR MINING STEEL CORE CONVEYOR BELT AND METHOD THEREOF ~71:China University of Mining and

Technology, Beijing, Ding No.11, Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China ~72: SHEN, Zhigang;TIAN, Jie;WANG, Hongyao;ZHAO, Chun~ 33:CN ~31:202310064095.2 ~32:16/01/2023

2023/07566 ~ Complete ~54:AN ENGINEERING PROJECT BIDDING QUOTATION ANALYSIS METHOD AND A SYSTEM AND A STORABLE MEDIUM ~71:CHINA RAILWAY FIRST GROUP CO., LTD, No. 1 Yanta North Road, Beilin District, Xi 'an, Shaanxi Province, 710054, People's Republic of China;INTELLIGENT & TECHNOLOGY BRANCH OF CHINA RAILWAY FIRST GROUP CO., LTD., No. 1 Yanta North Road, Beilin District, Xi 'an, Shaanxi Province, 710054, People's Republic of China ~72: AN, Huan;DONG, Jingyi;LIU, Dan;QIU, Fengtao;WANG, Xiaolin;WANG, Yong;XU, Jinxiang;YUAN, Yongfeng~ 33:CN ~31:2022114183642 ~32:14/11/2022

2023/07590 ~ Complete ~54:FORMULATIONS OF DR5 BINDING POLYPEPTIDES ~71:Inhibrx, Inc., 11025 N. Torrey Pines Road, Suite 200, LA JOLLA 92037, CA, USA, United States of America ~72: AMANULLAH, Ashraf;LOBO, Brian~ 33:US ~31:63/151,131 ~32:19/02/2021

2023/07551 ~ Provisional ~54:AIR MOLECULES GENERATOR ~71:Markus vd Westhuizen, 15 lady ann barnard, South Africa ~72: Markus van der Westhuizen~

2023/07559 ~ Complete ~54:A NOVEL CATALYTIC PROCESS FOR ENHANCING BIOFUEL PRODUCTION ~71:Dr. Bhimraj Gawade, Assistant Professor, Department of Chemistry, Anandrao Dhonde Alias Babaji Mahavidyalaya, Kada, Maharashtra, 414202, India;Dr. Dhondiram Tukaram Sakhare, Assistant Professor, UG, PG & Research Centre, Department of Chemistry, Shivaji Art's, Comm. & Science College, Kannad, Aurangabad, Maharashtra, 431103, India;Dr. Kashmiri Ashish Khamkar, Assistant Professor, Faculty of Engineering, MIT WPU School of Polytechnic & Skill Development, Pune 38, Pune, Maharashtra, 411038, India;Dr. Nellore Manoj Kumar, Independent Researcher, 15-225, Gollapalem, Venkatagiri, Tirupati, Andhra Pradesh, 524132, India;Dr. Obaiah Jamakala, Assistant Professor, Department of Zoology, Sri Venkateswara College, University of Delhi, Benito Juarez Road, Dhaula Kuan, New Delhi, Delhi, 110021, India;Dr. S. Mani Naidu, Professor of Physics, Department of Physics, Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology (Deemed to be University), Avadi, Chennai, Tamil Nadu, 600062, India;Dr. Shobha Thakur, Assistant Professor, Department of Chemistry, SHUATS University, Prayagraj, Uttar Pradesh, 211007, India;Dr. Subhasis Roy, Assistant Professor, Department of Chemical Engineering, Rajabazar Science College, 92 APC Road, University of Calcutta, Kolkata, 700009, India;Dr. V. Nagalakshmi, Associate Professor, Department of Chemistry, Ch.S.D.St.Theresa's College for Women (A), Eluru, Andhra Pradesh, 534003, India ~72: Dr. Bhimraj Gawade;Dr. Dhondiram Tukaram Sakhare;Dr. Kashmiri Ashish Khamkar;Dr. Nellore Manoj Kumar;Dr. Obaiah Jamakala;Dr. S. Mani Naidu;Dr. Shobha Thakur;Dr. Subhasis Roy;Dr. V. Nagalakshmi~ 33:IN ~31:202321027842 ~32:16/04/2023

2023/07567 ~ Complete ~54:AN IMAGE RECOGNITION TECHNOLOGY-BASED INTELLIGENT REBAR INVENTORY METHOD AND A SYSTEM ~71:CHINA RAILWAY FIRST GROUP CO., LTD, No. 1 Yanta North Road, Beilin District, Xi 'an, Shaanxi Province, 710054, People's Republic of China;INTELLIGENT & TECHNOLOGY BRANCH OF CHINA RAILWAY FIRST GROUP CO., LTD., No. 1 Yanta North Road, Beilin District, Xi 'an, Shaanxi Province, 710054, People's Republic of China ~72: DONG, Jingyi;LI, Shaobin;LIU, Dan;QIU, Fengtao;WANG, Xiaolin;WANG, Yong;WU, Huihuo;XU, Jinxiang;YUAN, Yongfeng~ 33:CN ~31:2023101482299 ~32:21/02/2023

2023/07583 ~ Complete ~54:EMBODIMENTS OF A MODULAR CONCENTRATING BOWL FOR A CENTRIFUGAL CONCENTRATOR ~71:SHELKUNOV, Yury Anatolevich, ul. Lazurnaya, 58, kv. 165, BARNAUL 656006, RUSSIA, Russian Federation ~72: SHELKUNOV, Yury Anatolevich~ 33:RU ~31:2021107269 ~32:19/03/2021;33:RU ~31:2021123484 ~32:06/08/2021

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2023/07609 ~ Complete ~54:NOVEL INTELLIGENT MONITORING PRESSURE FILTER FOR MINERAL SLURRY DEWATERING ~71:Taiyuan University of Technology, No.79 Yingze West Street, Taiyuan, Shanxi, People's Republic of China ~72: CHEN Ruxia;DONG Xianshu;FAN Yuping;FU Yuanpeng;MA Xiaomin~

2023/07608 ~ Complete ~54:SLOPE SUPPORTING DEVICE FOR ROCK-SOIL FOUNDATION PIT CONSTRUCTION ~71:Henan University of Urban Construction, Longxiang Avenue, Xinhua District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: GUO, Chunlei;LIU, Zhiting;LONG, Dan;WANG, Xiaojie;ZHANG, Shuo~

2023/07613 ~ Complete ~54:HIGH RESOLUTION NEURAL RENDERING ~71:MICROSOFT TECHNOLOGY LICENSING, LLC, One Microsoft Way, Redmond, Washington, 98052-6399, United States of America ~72: MAREK ADAM KOWALSKI;MATTHEW ALASTAIR JOHNSON;STEPHAN JOACHIM GARBIN~ 33:US ~31:63/162,365 ~32:17/03/2021;33:US ~31:17/321,655 ~32:17/05/2021

2023/07660 ~ Provisional ~54:DECENTRALIZED CONSENSUS-BASED PROOF-OF-WORK CCTV ANALYSIS & FAST REACTION SYSTEM ~71:Michael Andrew Smorenburg, Michael Andrew Smorenburg, South Africa ~72: Michael Andrew Smorenburg~

2023/07618 ~ Complete ~54:HIGH-TEMPERATURE-RESISTANT PREPREG FOR USE IN PRODUCTION OF CARBON FIBER COMPOSITE MATERIAL AND PREPARATION METHOD THEREFOR ~71:ANHUI HONGCHANG NEW MATERIALS CO., LTD, West Of Yingchun Road, East Of Shanzha Road, South Of China Resources Gas Station, Second Phase Of SuiXi Economic Development Zone, SuiXi County, Huaibei, People's Republic of China ~72: BU, Yuxuan;CAO, Qianyong;HUANG, Meng;LUO, Xuejun;NIU, Yushuang;SUN, Yongfu~ 33:CN ~31:202211598332.5 ~32:14/12/2022

2023/07610 ~ Complete ~54:PHARMACEUTICAL COMPOSITION ~71:MEDINCELL S.A., 3 rue des Frères Lumière, France ~72: GRIZOT, Sylvestre;LIU, Fang~ 33:GB ~31:2104224.7 ~32:25/03/2021

2023/07620 ~ Provisional ~54:TOWBAR BALL MASTER FLANGE ADAPTOR BRACKET ~71:Leon Harmsen, 180 Trevor Street,, South Africa ~72: Leon Harmsen~

2023/07604 ~ Provisional ~54:MAGNETIC MEASUREMENTS USING INDUCTANCE MEASUREMENTS ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;RADEMEYER, Daniel Barend~

2023/07614 ~ Complete ~54:PLASMA KALLIKREIN ANTIBODIES AND USES THEREOF ~71:ASTRIA THERAPEUTICS, INC., 75 State Street Suite 1400, Boston, Massachusetts, 02109, United States of America ~72: JONATHAN VIOLIN;PETER EVAN HARWIN;PRADEEP BISTA;TOMAS KISELAK;VAHE BEDIAN~ 33:US ~31:63/142,748 ~32:28/01/2021;33:US ~31:63/159,323 ~32:10/03/2021;33:US ~31:63/220,194 ~32:09/07/2021;33:US ~31:63/262,838 ~32:21/10/2021

2023/07617 ~ Complete ~54:METHOD FOR PREPARING HIGH-NICKEL CATHODE MATERIAL FOR LITHIUM-ION BATTERIES AND HIGH-NICKEL CATHODE MATERIAL FOR LITHIUM-ION BATTERIES PREPARED THEREFROM ~71:ANHUI TIANLI LITHIUM ENERGY CO., LTD, No.6 Lithium Battery Industrial Park, Economic Development Zone, New Area, Huaibei, People's Republic of China ~72: HE, Yan;LI, Li;WANG, Xinpeng;ZHANG, Jian;ZHANG, Lei~ 33:CN ~31:202211293178.0 ~32:21/10/2022

2023/07621 ~ Provisional ~54:MIRROR BOARD ~71:Thato Baloyi, 20 Brian Sandrock P1, Phillip Nel Park, South Africa ~72: Thato Baloyi~

2023/07601 ~ Provisional ~54:GREEN E-TROLLEY MOTORIZED WASTE PICKER TROLLEY ~71:Moses Kenane, 19 Ladybrand Road South Hills, South Africa;Raynard Milton, 74 Victoria Square Harris Road, South Africa ~72: Moses Kenane;Raynard Milton~ 33:ZA ~31:1 ~32:31/07/2023

2023/07603 ~ Provisional ~54:GREEN E-TROLLEY MOTORIZED WASTE PICKER TROLLEY ~71:Moses Kenane, 19 Ladybrand Road South Hills, South Africa;Raynard Milton, 74 Victoria Square Harris Road, South Africa ~72: Moses Kenane;Raynard Milton~ 33:ZA ~31:1 ~32:31/07/2023

2023/07616 ~ Complete ~54:PREPARATION AND APPLICATION METHODS FOR INACTIVATED VACCINE COMPOSITION FOR SWINE ATROPHIC RHINITIS ~71:ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, NO. 9 DONGHUA ROAD, People's Republic of China;JIANGSU NANNONG HI-TECH CO., LTD, NO. 890, XICHENG ROAD, People's Republic of China ~72: JIN, Mengmeng;ZHOU, Lin~

2023/07612 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE TREATMENT OF GRAFT VERSUS HOST DISEASE ~71:VECTIVBIO AG, Aeschenvorstadt 36, 4051 Basel, Switzerland ~72: NADER N YOUSSEF;VIOLETTA DIMITRIADOU~ 33:US ~31:63/142,905 ~32:28/01/2021;33:US ~31:63/248,074 ~32:24/09/2021

2023/07615 ~ Complete ~54:EXPANDED FUNCTIONALITY URN ~71:BE LEGENDARY LLC, 4532 McGregor Drive, Virginia Beach, Virginia, 23462, United States of America ~72: THOMAS PARKER~ 33:US ~31:63/142,760 ~32:28/01/2021;33:US ~31:63/180,287 ~32:27/04/2021

2023/07602 ~ Provisional ~54:A SYSTEM FOR MINIMISING THEFT OF CABLES AT CABLE INGRESS AND EGRESS ~71:Cecil Albert Mitchell, 52 Alexandra Road, South Africa ~72: Cecil Albert Mitchell~

2023/07605 ~ Complete ~54:A GROUND FISSURE DEFORMATION MONITORING SYSTEM AND MONITORING METHOD ~71:China Jikan Research Institute of Engineering Investgations and Design Co., Ltd., No.51 Xianning Middle Road, Xi'an, Shaanxi Province, 710043, People's Republic of China ~72: Chao YANG;Dongfeng PAN;Dongjing WANG;Guoyi TANG;Jiao LIN;Jie CAO;Lei RAN;Long ZHANG;Peng GAO;Weiwei ZHAO;Xiao DONG;Yonglin YANG;Yuanqiang ZHOU;Zaixin WAN;Zhenhong WEI;Zhi LIU~

2023/07606 ~ Complete ~54:AN UNDERGROUND ROCK CORE FOOTAGE MONITORING DEVICE BASED ON AN ULTRASONIC SENSOR ~71:China University of Geosciences, Wuhan, NO.388 Lumo Road, Hongshan District, Wuhan City, Hubei Province, 430074, People's Republic of China ~72: Bo SU;Chunhua LU;Guosheng JIANG;Lizhen ZHOU;Mingsong LEI;Rongjing WANG;Tao ZHANG;Xiongze ZHENG;Zhi CHEN~

2023/07607 ~ Complete ~54:LARGE-BEARING-CAPACITY PILE AND CONSTRUCTION METHOD ~71:Henan University of Urban Construction, Longxiang Avenue, Xinhua District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: LONG, Dan;WANG, Xibin;YANG, Mingfei;ZHANG, Shuo;ZHENG, Chao~

2023/07611 ~ Complete ~54:BEAM MANAGEMENT FOR A DEVICE IN AN INACTIVE MODE ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KOSKINEN, Jussi-Pekka;TURTINEN, Samuli, Heikki;WU, Chunli~

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2023/07629 ~ Complete ~54:APPLICATION OF M3 MUSCARINIC RECEPTOR AGONISTS IN PREPARING MEDICINE FOR TREATING LIVER INJURY ~71:HAINAN MEDICAL UNIVERSITY, No. 3 Xueyuan Road, Longhua District, Haikou City, Hainan Province, People's Republic of China ~72: GAO Yanan;GUO Yueping;LIU Yan;ZHANG Haiying~

2023/07642 ~ Complete ~54:SPECTACLE LENS ~71:UVEX ARBEITSSCHUTZ GMBH, WÜRZBURGER STRASSE 181-189, 90766 FÜRTH, GERMANY, Germany ~72: JASCHKE, Simon;KÜHNLEIN, Florian;WACKER, Marco;WOLF, Martin~ 33:DE ~31:10 2021 201 180.2 ~32:09/02/2021

2023/07646 ~ Complete ~54:ANIMAL DATA COMPLIANCE SYSTEM AND METHOD ~71:SPORTS DATA LABS, INC., 1919 Greenleaf Drive, Royal Oak, Michigan, 48067, United States of America ~72: MARK GORSKI;STAN MIMOTO;VIVEK KHARE~ 33:US ~31:63/134,332 ~32:06/01/2021;33:US ~31:63/213,526 ~32:22/06/2021

2023/07649 ~ Complete ~54:SEAWEED EXTRACT ~71:UNILEVER IP HOLDINGS B.V., Weena 455, 3013, AL Rotterdam, Netherlands ~72: ANNE ZANTINGE;EVERT VERMANDEL;JOHANNES MARIA BAPTIST MATTHEE;KOK-KIN CHAN;TINO RUBESA~ 33:EP ~31:21158186.3 ~32:19/02/2021

2023/07643 ~ Complete ~54:PREPHENATE DEHYDRATASE VARIANT AND METHOD FOR PRODUCING BRANCHED-CHAIN AMINO ACID USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: KIM, Ju Eun;KIM, Kyungrim;LEE, Hayun;LEE, Heeseok;LEE, Ji Hye~ 33:KR ~31:10-2021-0014077 ~32:01/02/2021

2023/07644 ~ Complete ~54:IRONLESS HIGH-POWER RADIAL AC PERMANENT-MAGNET SYNCHRONOUS MOTOR ~71:TANGSHAN POLYTECHNIC COLLEGE, No. 25 Bohai Avenue, Caofeidian New Town,, Tangshan, Hebei, 063299, People's Republic of China ~72: CAI, Zhiquan;CHANG, Yanchen;DAI, Kun;HAN, Yongcheng;MENG, Guangshuang;REN, Baifeng;TIAN, Honglei;WANG, Zhensheng;XING, Tingting;ZENG, Yan;ZHANG, Hongguo;ZHANG, Huihua;ZHANG, Muzhuo~ 33:CN ~31:202210559575.1 ~32:23/05/2022

2023/07625 ~ Provisional ~54:CLIP ~71:PETRO LOMBARD, 72 Dombeya Close,, South Africa ~72: LOMBARD, Petro~

2023/07626 ~ Complete ~54:BACILLUS ATROPHAEUS WLKYSY-4, BIOLOGICAL BACTERIAL AGENT AND APPLICATION THEREOF ~71:Wuwei Academy of Forestry Sciences, Floor 13, Wuwei Agriculture, Forestry and Animal Husbandry Comprehensive Service Building, Minqin Road, Liangzhou District, Wuwei City, Gansu Province, 733000, People's Republic of China ~72: Chen Yanhui;Dong Cunyuan;Duan Aili;Guo Yanlan;Han Dengshan;He Cai;Hu Fang;Jin Min;Jin Na;Li Dong;Li Qiang;Liu Wei;Mou Desheng;Shi Xingyun;Wang Man;Wang Xin;Yang Zuokui;Yao Yuanwen;Ye Fang;Zhang Jun;Zhang Qinde;Zhang Tao;Zhao Lianxin~ 33:CN ~31:2023105255148 ~32:11/05/2023

2023/07628 ~ Complete ~54:NON-CIRCULAR GEAR PLANE MOVEMENT FEEDING DEVICE FOR SPINNING DEVICE AND WORKING METHOD THEREOF ~71:Fuzhou University, Fuzhou University, No.2 Wulongjiangbei Avenue, Fuzhou University Town, Minhou County, Fuzhou City, Fujian Province, 350108, People's Republic of China ~72: CAI Yingjie;HUANG Xiaoliang;WANG Zhenya;YAO Ligang~

2023/07631 ~ Complete ~54:PREDICTION AND EARLY WARNING METHOD FOR STABILITY OF MINE SURROUNDING ROCKS BASED ON LASER-DISPLACEMENT-SEPARATOR MONITORING PARAMETERS ~71:Chongqing GaoWei Smart Mining Co.,Ltd, No. 232-5-1, Songlin Village, Shapingba District, Chongqing, 400030, People's Republic of China;Chongqing University, 174 Shazheng Street, Shapingba District, Chongqing, 400044, People's Republic of China ~72: CHEN, Jie;CUI, Yi;PU, Yuanyuan;SHANG, Xueyi;XU, Le~

2023/07633 ~ Complete ~54:METHOD FOR PREPARING PUERARIAE RADIX ESSENCE INFUSION ~71:Hubei Xianzhiling Food Co., Ltd., Group 3, Zhangfan Village, Zhangji Town, Zhongxiang City, Jingmen City, Hubei Province, 431935, People's Republic of China ~72: DUAN, Guangzhi;DUAN, Wenjie;WANG, Xueping;XU, Lu~

2023/07637 ~ Complete ~54:METHOD FOR CONSTRUCTING GROUND FLOOR HEATING WITH GOOD MOISTURE RESISTANCE ~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: FAN, Jinqi;FU, Fei;MA, Lu;MU, Linlin;SHANG, Pengbiao;SONG, Bo;WANG, Jingsen;WU, Xiaozhi;XU, Guiqi;ZHANG, Bo;ZHENG, Xi;ZHU, Xiaoli~

2023/07639 ~ Complete ~54:VERTICAL APPLICATION IN EDGE COMPUTING ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: PRZYBYSZ, Hubert;XU, Wenliang~ 33:CN ~31:PCT/CN2021/071405 ~32:13/01/2021

2023/07641 ~ Complete ~54:METHOD FOR FLOTATION OF A SILICATE-CONTAINING IRON ORE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BAUER, Frederic;BUDEMBERG, Gabriela;MASI NETO, Dorival De;MICHAILOVSKI, Alexej;SOARES BRAGA, Andre;SOBOTKA, Bettina~ 33:EP ~31:21151244.7 ~32:12/01/2021

2023/07645 ~ Complete ~54:MIXING CHAMBER STRUCTURE FOR PRISMATIC HIGH-TEMPERATURE GAS-COOLED REACTOR, AND PRISMATIC HIGH-TEMPERATURE GAS-COOLED REACTOR STRUCTURE ~71:CHINA NUCLEAR POWER ENGINEERING CO., LTD., No. 117 West Third Ring North Road, Haidian District, Beijing, 100840, People's Republic of China ~72: CHANGJIANG YANG;CHENGLONG ZHANG;GUOMING LIU;HONG YAO;HUANG LI;JIANHUA DONG;JUN WANG;KAI HE;SHUOTING ZHANG;SIYANG ZHU~ 33:CN ~31:202110274580.3 ~32:15/03/2021

2023/07647 ~ Complete ~54:IMMUNOSTIMULATORY COMPOUNDS AND CONJUGATES ~71:REGENTS OF THE UNIVERSITY OF MINNESOTA, McNamara Alumni Center, 200 Oak Street SE, Suite 600, Minneapolis, Minnesota 55455, United States of America;SEAGEN INC., 21823 30th Drive SE, Bothell, Washington, 98021, United States of America ~72: ALYSON SMITH;CHRISTOPHER SCOTT NEUMANN;DAVID FERGUSON;KUNG-PERN WANG;SHYRA J GARDAI~ 33:US ~31:63/145,367 ~32:03/02/2021

2023/07655 ~ Complete ~54:HETEROCYCLIC RIP1 KINASE INHIBITORS ~71:Rigel Pharmaceuticals, Inc., 1180 Veterans Boulevard, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: BHAMIDIPATI, Somasekhar;DEFREES, Kyle;SHAW, Simon;TAYLOR, Vanessa~ 33:US ~31:63/159,970 ~32:11/03/2021

2023/07630 ~ Complete ~54:ORGANIC COW DUNG FERMENTED FERTILIZER AND PREPARATION METHOD THEREFOR ~71:Gansu Desert Control Research Institute, No. 390, Beibinhe West Road, Anning District, Lanzhou, Gansu Province, 733000, People's Republic of China ~72: LI, Jingjing;LI, Xuemin;LIU, Hujun;LIU, Kailin;LIU, Shujuan;WAN, Xiang;YUAN, Hongbo~

2023/07634 ~ Complete ~54:INTELLIGENT PHOTOVOLTAIC CONTROL SYSTEM FOR BUILDINGS AND CONTROL METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DOU Cheng;DU Yabing;GAO Wenying;HUA Chunfei;LIU Zhiqing;QI Fuhao;WANG Chaoyong;WANG Huanli;WANG Menghao;WANG Mengke;XU Huafeng;YANG Ruijuan;YE Mengna;ZHANG Feipeng;ZHANG Renqi~

2023/07636 ~ Complete ~54:CONCRETE EXTERIOR WALL INSULATION AND CONSTRUCTION METHOD THEREOF ~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: GE, Changjiang;MA, Lu;WANG, Daliang;WANG, Jingsen;WANG, Shiming;WU, Xiaozhi;WU, Zhijian;XU, Guiqi;YAN, Wenxin;ZHANG, Shujun;ZHU, Zhongqing~

2023/07648 ~ Complete ~54:METHODS FOR TREATING CANCER ~71:BICYCLETX LIMITED, Building 900 Babraham Research Campus, Cambridge, CB22 3AT, United Kingdom ~72: GEMMA ELIZABETH MUDD;JOHANNA LAHDENRANTA;KEVIN MCDONNELL;KRISTEN HUROV;NICHOLAS KEEN;PHILIP E

BRANDISH;PUNIT UPADHYAYA;SAILAJA BATTULA~ 33:US ~31:63/135,858 ~32:11/01/2021;33:US ~31:63/135,865 ~32:11/01/2021;33:US ~31:63/138,019 ~32:15/01/2021

2023/07632 ~ Complete ~54:EXPERIMENTAL TABLE FOR VIBRATION OF FLOATING FLOOR BASED ON DISTRIBUTED FIBER OPTIC SENSING, AND TESTING METHOD ~71:China Construction Industrial & Energy Engineering Group Co., Ltd., No.6, Wenlan Road, Qixia District, Nanjing City, 210023, People's Republic of China ~72: Baogui ZHOU;Huabin ZHONG;Qing HUANG;Qingjiang XU;Rongrong BAI;Xiangchao WANG;Xiaocheng FEI;Xuanyi CHEN;Yunhua ZHANG;Zhihong SONG~ 33:CN ~31:202210921827.0 ~32:02/08/2022

2023/07635 ~ Complete ~54:CORROSION-RESISTANT SLOPING ROOF PANEL AND PREPARATION METHOD THEREOF ~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: HUANG, Dongyang;MA, Lu;SHANG, Pengbiao;SU, Mingzhu;TU, Dehang;WANG, Shiming;XIANG, Hua;XU, Guiqi;YANG, Xiaofan;ZHANG, Bo;ZHANG, Shujun;ZHU, Xiaoli;ZHU, Zhongqing~

2023/07650 ~ Complete ~54:SEAWEED EXTRACT ~71:UNILEVER IP HOLDINGS B.V., Weena 455, 3013, AL Rotterdam, Netherlands ~72: ANNE ZANTINGE;EVERT VERMANDEL;JOHANNES MARIA BAPTIST MATTHEE;KOK-KIN CHAN;TINO RUBESA~ 33:EP ~31:21158186.3 ~32:19/02/2021

2023/07654 ~ Complete ~54:METHODS OF TREATING CANCER USING A COMBINATION OF SERD DOSING REGIMENS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BHAGWAT, Shripad Venkatraman;HOLMAN, Natalie Starr;SALL, Daniel Jon;SHAHDA, Safi;SMYTH, Lillian Mary;YOUNG, Suzanne Rebecca Lou;YUEN, Eunice Soek Mun~ 33:US ~31:63/158,688 ~32:09/03/2021;33:US ~31:63/281,143 ~32:19/11/2021

2023/07656 ~ Complete ~54:MICROBIAL CONTROL ON HIGH-TOUCH SURFACES IN HEALTH CARE FACILITIES ~71:SYNEXIS LLC, 8837 Lenexa Drive Overland Park, United States of America ~72: BOSMA, Douglas J.;LEE, James D.;STEPHENS, James Russell~ 33:US ~31:63/135,355 ~32:08/01/2021

2023/07726 ~ Complete ~54:DURABLE BIOFOULING PROTECTION ~71:BIOFOULING TECHNOLOGIES, INC., 3110 Edward Mill Road, Suite 300, Raleigh, North Carolina, 27612, United States of America ~72: BASISTA, Joseph;CALCUTT, Lindsey;DORMIER, Ed;MCMURRAY, Brian;RALSTON, Emily;SHARP, Cliff;STEVENS, Abraham;TERMINI, Mike~ 33:US ~31:62/754,574 ~32:01/11/2018;33:US ~31:62/817,873 ~32:13/03/2019

2023/07623 ~ Provisional ~54:DISPLAY STRIP FOR SHELF END USE ~71:LEE, William, Henry, 29 THE CLARIDGES, SUSAN AVENUE, MORNING SIDE EXT 15, SANDTON, SOUTH AFRICA, South Africa ~72: LEE, William, Henry~

2023/07624 ~ Provisional ~54:A FURTHER IMPROVED APPARATUS AND SYSTEM FOR MINIMISING THEFT OF UNDERGROUND CABLES ~71:Cecil Albert Mitchell, 52 Alexandra Road, South Africa ~72: Cecil Albert Mitchell~

2023/07729 ~ Complete ~54:DURABLE BIOFOULING PROTECTION ~71:BIOFOULING TECHNOLOGIES, INC., 3110 Edward Mill Road, Suite 300, Raleigh, North Carolina, 27612,, United States of America ~72: BASISTA, Joseph;CALCUTT, Lindsey;DORMIER, Ed;MCMURRAY, Brian;RALSTON, Emily;SHARP, Cliff;STEVENS, Abraham;TERMINI, Mike~ 33:US ~31:62/817,873 ~32:13/03/2019;33:US ~31:62/754,574 ~32:01/11/2019

2023/07622 ~ Provisional ~54:STRUCTURAL COMPONENT ~71:ADAMS, Mark Harold, 38 Derrick Road, Spartan, South Africa ~72: ADAMS, Mark Harold;BEZUIDENHOUIT, Eugene Lourens;NEL, Zack Warren~

2023/07627 ~ Complete ~54:DEVICE AND METHOD FOR REALIZING SAFETY RISK REDUCTION UNDER LIQUID-PHASE OXIDATION REACTION ~71:Shaanxi Langu New Energy Technology Co., Ltd, 230 meters west of the intersection of Weisan Road and Jingsi Road in Gaoxin District,Pucheng County, (Donglu Village and Xichen Village, Chenzhuang Town, Pucheng County), Weinan, Shaanxi Province, People's Republic of China ~72: Zhong LI~ 33:CN ~31:202211212204.2 ~32:23/12/2022

2023/07651 ~ Complete ~54:ANTI-GPRC5D MONOCLONAL ANTIBODIES AND USES THEREOF ~71:LaNova Medicines Development Co., Ltd., No. 177, Group 6, Rennan Village, Kangqiao Town, Pudong New District, SHANGHAI 201315, CHINA (P.R.C.), People's Republic of China ~72: HUANG, Wentao;LI, Runsheng~ 33:IB ~31:2021/070314 ~32:05/01/2021

2023/07653 ~ Complete ~54:AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: KORUS, Anton;MOLONEY, Patrick~ 33:GB ~31:2101845.2 ~32:10/02/2021

2023/07638 ~ Complete ~54:AN ELECTROENCEPHALOGRAM COLLECTING ELECTRODE ~71:Shenyang University of Technology, No. 111, Shenliao West Road, Economic and Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: Jichi Chen;Zijian Jia~ 33:CN ~31:202320956886.1 ~32:25/04/2023

2023/07640 ~ Complete ~54:CXCR4-LIGANDS FOR DIAGNOSTIC AND THERAPEUTIC USE AND PRECURSORS THEREOF ~71:TECHNISCHE UNIVERSITÄT MÜNCHEN, ARCISSTRAßE 21, D-80333, MÜNCHEN, GERMANY, Germany ~72: KONRAD, Matthias;SCHOTTELIUS, Margret;WESTER, Hans-Jürgen~ 33:EP ~31:21157225.0 ~32:15/02/2021

2023/07652 ~ Complete ~54:CATALYTIC SYNTHESIS REACTOR ~71:Casale SA, Via Pocobelli, 6, LUGANO 6900, SWITZERLAND, Switzerland ~72: RIZZI, Enrico~ 33:EP ~31:21156311.9 ~32:10/02/2021

2023/07659 ~ Complete ~54:DATA STORAGE DEVICE BASED ON INTERNET OF THINGS ~71:Anhui Zhongke Zhixin Environmental Technology Co., Ltd., Building A7, Lu'an University Science And Technology Park, Sanshipu Town, Jin'an District, Anhui Province, People's Republic of China ~72: Gao Huiyi;Song Zhichao~

2023/07728 ~ Complete ~54:DURABLE BIOFOULING PROTECTION ~71:BIOFOULING TECHNOLOGIES, INC., 3110 Edward Mill Road, Suite 300, Raleigh, North Carolina, 27612,, United States of America ~72: BASISTA, Joseph;CALCUTT, Lindsey;DORMIER, Ed;MCMURRAY, Brian;RALSTON, Emily;SHARP, Cliff;STEVENS, Abraham;TERMINI, Mike~ 33:US ~31:62/754,574 ~32:01/11/2018;33:US ~31:62/817,873 ~32:13/03/2019

2023/07657 ~ Complete ~54:HEAT EXCHANGE SYSTEM ~71:ELECTROCHAEA GMBH, Semmelweisstrasse 3, Germany ~72: BASEN, Liam;GEDDADI, Avani Nath;LARDON, Laurent~ 33:DE ~31:20 2021 100 957.8 ~32:25/02/2021

2023/07658 ~ Complete ~54:SELFIE STICK CONVENIENT FOR STORAGE ~71:LU'AN CHUANGWU HANGCHENG TECHNOLOGY CO., LTD, Room 505, Hongye Building, Wanxi Avenue, Economic and Technological Development Zone, Anhui Province, People's Republic of China ~72: Hu Xiaojiao~

2023/07727 ~ Complete ~54:DURABLE BIOFOULING PROTECTION ~71:BIOFOULING TECHNOLOGIES, INC., 3110 Edward Mill Road, Suite 300, Raleigh, North Carolina, 27612,, United States of America ~72: BASISTA, Joseph;CALCUTT, Lindsey;DORMIER, Ed;MCMURRAY, Brian;RALSTON, Emily;SHARP, Cliff;STEVENS, Abraham;TERMINI, Mike~ 33:US ~31:62/754,574 ~32:01/11/2018;33:US ~31:62/817,873 ~32:13/03/2019

. - APPLIED ON 2023/08/03 -

2023/07673 ~ Complete ~54:BETULIN-CONTAINING BIRCH BARK EXTRACTS AND THEIR FORMULATION ~71:Amryt Research Limited, 5 Mespil Road, DUBLIN 4, IRELAND, Ireland ~72: JÄGER, Sebastian;WATSON, John Ashleigh;ZAHN, Tobias~ 33:US ~31:62/613,646 ~32:04/01/2018

2023/07675 ~ Complete ~54:A METHOD AND SYSTEM FOR DESIGNING OIL AND GAS SEPARATORS BY USING AN APPLICATION ~71:Dr. Nayan Medhi, Assistant Professor, Dept. of Petroleum Engineering Dibrugarh University, Dibrugarh, Assam, India;Manna Mukherjee, Assistant Executive Engineer (Production) ONGC, Ahmedabad Asset Ahmedabad, Gujarat, India;Sanjeev Thakur, Dy. Chief Engineer OGPS OIL, FHQ Duliajan, Assam, India ~72: Dr. Nayan Medhi;Manna Mukherjee;Sanjeev Thakur~

2023/07681 ~ Complete ~54:ELECTRONIC DEVICE INCLUDING FLEXIBLE PRINTED CIRCUIT BOARD ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: HYUNMO YANG;JUNGKEUN LEE;JUNMYEONG JEONG;JUNWHON UHM;MYEONGJAE HONG;YONGHYUN PARK~ 33:KR ~31:10-2021-0027455 ~32:02/03/2021

2023/07663 ~ Complete ~54:A REMOTE CENTRALIZED MONITORING SYSTEM AND METHOD FOR INTELLIGENT HOSIERY MACHINE BASED ON INTERNET OF THINGS TECHNOLOGY ~71:Xi’an Polytechnic University, No.19 Jinhua South Road, Beilin District, Xi'an City, Shaanxi Province, 710048, People's Republic of China;Zhejiang Weiying Intelligent Technology Co.LTD, No.181 Wangyun West Road, Tao Zhu Street, Zhuji City, Shaoxing City, Zhejiang Province, 311800, People's Republic of China ~72: Lei ZHU;Songjun LI;Xin CHEN;Yaolin ZHU~

2023/07665 ~ Complete ~54:AN ELECTROENCEPHALOGRAM CAP ~71:Shenyang University of Technology, No. 111, Shenliao West Road, Economic and Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: Boshi Zhang;Enqiu He;Jichi Chen~ 33:CN ~31:202320956898.4 ~32:25/04/2023

2023/07676 ~ Complete ~54:REFUSE BAG ROLL, METHOD FOR DISPOSING OF REFUSE, AND METHOD FOR PROVIDING A REFUSE BAG ROLL ~71:MARCUS TROJAN GMBH, Rochstrasse 1, Germany ~72: TROJAN, Marcus~ 33:EP ~31:EP23184832.6 ~32:11/07/2023

2023/07685 ~ Complete ~54:DEVICE FOR PREPARING A FERTILIZER SOLUTION FOR USE WITH A FERTIGATION SYSTEM ~71:YARA INTERNATIONAL ASA, Drammensveien 131 0277, Norway ~72: VAN SANTEN, Wouter~ 33:EP ~31:21152099.4 ~32:18/01/2021

2023/07672 ~ Complete ~54:BETULIN-CONTAINING BIRCH BARK EXTRACTS AND THEIR FORMULATION ~71:Amryt Research Limited, 5 Mespil Road, DUBLIN 4, IRELAND, Ireland ~72: JÄGER, Sebastian;WATSON, John Ashleigh;ZAHN, Tobias~ 33:US ~31:62/613,646 ~32:04/01/2018

2023/07690 ~ Complete ~54:PLANT AND METHOD FOR CLASSIFYING SCRAP ~71:DANIELI & C. OFFICINE MECCANICHE S.P.A., Via Nazionale 41, Italy ~72: Andrea PASUT;Luca MATTINZIOLI;Nicola GAGLIARDI~ 33:IT ~31:102021000003347 ~32:15/02/2021

2023/07669 ~ Complete ~54:SYSTEM FOR QUALITY EVALUATION OF FRUIT POWDERS BASED ON INFRARED SPECTRUM DETECTION ~71:AGRICULTURAL PRODUCTS PROCESSING RESEARCH INSTITUTE, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES, No. 48, Renmin Avenue South, Xiashan District, Zhanjiang City, Guangdong Province, 524000, People's Republic of China ~72: CHEN, Yuliang;WANG, Fei;WANG, Hui;WANG, Leiyu;WU, Jia;ZHENG, Chaozhong;ZHUANG, Zhikai~

2023/07661 ~ Provisional ~54:IMPROVE FUSION WELD PLUMBING FITTINGS ~71:Hendrik Jakobus van Wyk, 3 Ashford Crescent, Brookside Village, South Africa ~72: Hendrik Jakobus van Wyk~

2023/07662 ~ Provisional ~54:VISHING DEFENCE METHOD AND SYSTEM ~71:PAMA, Thandisizwe Ezwenilethu, 137 Villefranche, Sunset Boulevard, Lonehill, South Africa ~72: PAMA, Thandisizwe Ezwenilethu~

2023/07667 ~ Complete ~54:TIME DOMAIN BOUNDARY ELEMENT PROCESSING METHOD FOR ELASTOPLASTIC DYNAMIC PLANE PROBLEMS ~71:Harbin Institute of Technology, Shenzhen (Shenzhen Institute of Science and Technology Innovation, Harbin Institute of Technology), HIT(SZ), University Town of Shenzhen, Taoyuan Street, Nanshan District, Shenzhen City, Guangdong Province, 518000, People's Republic of China ~72: CHEN, Rui;LEI, Weidong;QIN, Xiaofei;WU, Bingzhen;ZHU, Guopeng~

2023/07674 ~ Complete ~54:DC SUPERIMPOSED IMPULSE WITHSTAND VOLTAGE TEST LOOP AND TEST METHOD THEREOF ~71:XI'AN HIGH VOLTAGE APPARATUS RESEARCH INSTITUTE CO., LTD., No.18 West Second Ring Road, Xi'an City, People's Republic of China ~72: GOU, Xingping;LI, Jiang;LI, Qiang;LIU, Chen;LIU, Lei;SHEN, Meng;SUN, Hao;ZHANG, Chunmin~ 33:CN ~31:202210929077.1 ~32:03/08/2022

2023/07679 ~ Complete ~54:PASSIVE SUB-AUDIBLE ROOM PATH LEARNING WITH NOISE MODELING ~71:THAT CORPORATION, 45 Sumner Street, Milford, United States of America ~72: DARR, Roger, R;EASLEY, Matthew~ 33:US ~31:63/182,413 ~32:30/04/2021

2023/07684 ~ Complete ~54:SUPEROXIDE DISMUTASE 1 (SOD1) IRNA COMPOSITIONS AND METHODS OF USE THEREOF FOR TREATING OR PREVENTING SUPEROXIDE DISMUTASE 1- (SOD1-) ASSOCIATED NEURODEGENERATIVE DISEASES ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;CHARALAMBOS KAITTANIS;JAMES D MCININCH;JASON GILBERT;MARK K SCHLEGEL;STUART MILSTEIN~ 33:US ~31:63/148,991 ~32:12/02/2021;33:US ~31:63/270,176 ~32:21/10/2021

2023/07664 ~ Complete ~54:A HARVESTING DEVICE FOR ZANTHOXYLUM BUNGEANUM ~71:Gansu Agricultural University, No.1 Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: Fangxin WAN;Guojun MA;Jun PU;Xiaopeng HUANG~

2023/07671 ~ Complete ~54:FULL-AUTOMATIC AND INTELLIGENT PRESERVED VEGETABLE HARVESTER ~71:Jinhua Polytechnic, No. 1188, Wuzhou Street, Wucheng District, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: DING, Zhao;SU, Zhan;TIAN, Liquan;WANG, Zhiming;XIONG, Yongsen~

2023/07682 ~ Complete ~54:FLEXIBLE CIRCUIT BOARD 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: BUMHEE BAE;EUISUNG KANG;HYEONHAK KIM;JAEHOON LEE;KANGHYUN RYOO;YOUNGHUN SEONG~ 33:KR ~31:10-2021-0016335 ~32:04/02/2021

2023/07683 ~ Complete ~54:COMBINATION THERAPY FOR TREATING ABNORMAL CELL GROWTH ~71:VERASTEM, INC., 117 Kendrick Street, Suite 500, Needham, Massachusetts, 02494, United States of America ~72: JONATHAN A PACHTER;SANJIB CHOWDHURY;SILVIA COMA~ 33:US ~31:63/146,349 ~32:05/02/2021;33:US ~31:63/146,352 ~32:05/02/2021;33:US ~31:63/146,357 ~32:05/02/2021;33:US ~31:63/146,369 ~32:05/02/2021;33:US ~31:63/146,376 ~32:05/02/2021;33:US ~31:63/146,395 ~32:05/02/2021;33:US ~31:63/185,651 ~32:07/05/2021;33:US ~31:63/185,672 ~32:07/05/2021;33:US ~31:63/185,695 ~32:07/05/2021;33:US ~31:63/185,704 ~32:07/05/2021

2023/07670 ~ Complete ~54:METHOD FOR TREATING WASTEWATER AFTER DEGUMMING AND COOKING OF BANANA FIBER ~71:AGRICULTURAL PRODUCTS PROCESSING RESEARCH INSTITUTE, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES, No. 48, Renmin Avenue South, Xiashan District,

Zhanjiang City, Guangdong Province, 524000, People's Republic of China ~72: CHEN, Yuliang;WANG, Fei;WANG, Hui;WANG, Leiyu;WU, Jia;ZHENG, Chaozhong;ZHUANG, Zhikai~

2023/07677 ~ Complete ~54:TELESCOPIC CABLE LAYING DEVICE ALONG TUNNEL STEEL ARCH FRAME AND USING METHOD THEREOF ~71:Beijing University Of Technology, No.100 Pingleyuan, Chaoyang District, Beijing, People's Republic of China ~72: GAO Wenxue;HE Maolin;HU Yu;JIANG Xiaoyu;LI Xiaoshuai;LI Zhuo;ZHANG Shenghui;ZHANG Xiaojun~ 33:CN ~31:202211234961X ~32:10/10/2022

2023/07686 ~ Complete ~54:APPARATUS AND METHOD FOR DETECTING FLUORESCENCE ~71:Marginum Oy, Åkerlundinkatu 8, TAMPERE 33100, FINLAND, Finland ~72: ELOMAA, Antti-Pekka;LEHTONEN, Samu Juhani Rafael;LESKINEN, Juho Hermanni;SEMENOV, Dmitry Vladimirovich~ 33:FI ~31:20215096 ~32:29/01/2021

2023/07688 ~ Complete ~54:TYK2 INHIBITORS AND USES THEREOF ~71:SUDO BIOSCIENCES LIMITED, 3rd Floor 1 Ashley Road, United States of America ~72: CHAUDHURI, Bhaskar;DIETSCH, Gregory;DURAISWAMY, Athisayamani Jeyaraj;KALVA, Sukesh;MANOJVEER, Seetharaman;PANDEY, Anjali;THAKKAR, Mahesh~ 33:US ~31:63/151,287 ~32:19/02/2021;33:US ~31:63/193,511 ~32:26/05/2021;33:US ~31:63/234,934 ~32:19/08/2021;33:US ~31:63/291,224 ~32:17/12/2021

2023/07668 ~ Complete ~54:PROCESS FOR EXTRACTING FLAVOCHROME OF MANGO PEELS BY USING SUBCRITICAL FLUID ~71:AGRICULTURAL PRODUCTS PROCESSING RESEARCH INSTITUTE, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES, No. 48, Renmin Avenue South, Xiashan District, Zhanjiang City, Guangdong Province, 524000, People's Republic of China ~72: CHEN, Yuliang;WANG, Fei;WANG, Hui;WANG, Leiyu;WU, Jia;ZHENG, Chaozhong;ZHUANG, Zhikai~

2023/07680 ~ Complete ~54:PROBABILISTIC EVALUATION OF FASTENER DEGRADATION IN NUCLEAR POWER PLANTS ~71:FRAMATOME INC., 3315 Old Forest Road, United States of America ~72: MATTHEWS, Todd;THALLAPRAGADA, Pavan;TROYER, Greg~ 33:US ~31:63/145,074 ~32:03/02/2021

2023/07691 ~ Provisional ~54:GAS TANK ~71:KHUTSO FRANS MALULEKA, 1086 ITSOSENG, South Africa;RATANANG LERATO MOSAKO, 1086 ITSOSENG, South Africa ~72: KHUTSO FRANS MALULEKA;RATANANG LERATO MOSAKO~

2023/07666 ~ Complete ~54:AN ELECTROENCEPHALOGRAM SIGNAL COLLECTING HEADBAND ~71:Shenyang University of Technology, No. 111, Shenliao West Road, Economic and Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: Boshi Zhang;Enqiu He;Jichi Chen~ 33:CN ~31:202320955699.1 ~32:25/04/2023

2023/07678 ~ Complete ~54:FIRE RETARDANT ~71:KOEKEMOER, Louis Christiaan, 352 Larsens Road, South Africa ~72: KOEKEMOER, Louis Christiaan~ 33:ZA ~31:2021/06820 ~32:17/09/2021

2023/07687 ~ Complete ~54:SYSTEMS, DEVICES, AND METHODS FOR HARMONIZATION OF IMAGING DATASETS INCLUDING BIOMARKERS ~71:Terran Biosciences, Inc., 507 W. 28th Street, Suite PH3A, NEW YORK 10001, NY, USA, United States of America;The Research Foundation for Mental Hygiene, Inc., 150 Broadway, Suite 301, MENANDS 12204, NY, USA, United States of America;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: CLARK, Samuel;HORGA HERNANDEZ, Guillermo;WENGLER, Kenneth~ 33:US ~31:63/159,915 ~32:11/03/2021

2023/07692 ~ Provisional ~54:TELLYCASKET ~71:Karabo Edwin Makhura, 564 Lepelaar Street, South Africa ~72: Karabo Edwin Makhura~

. - APPLIED ON 2023/08/04 -

2023/07698 ~ Complete ~54:METHOD FOR DETECTING TRACE ODOR GAS COMPONENTS IN AUTOMOBILES ~71:Anhui Polytechnic University, No.8 Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, People's Republic of China;Zhejiang HUAGUANG AUTOMOTIVE Interior Decoration Co., Ltd, No.101 East Road Bao Tian centre, Tangxia Town, Rui'an City, Zhejiang Province, People's Republic of China ~72: CHEN Lihua;CHEN Zibin;LI Fulong;LIN Liang;WANG Peng;XIAO Dongmin;XU Zhenzhen;ZHANG Jiange;ZHOU Hongbing~

2023/07702 ~ Complete ~54:ELECTRONIC VEHICLE REGISTRATION SYSTEM ~71:BERNSTEIN, Irvin, 2 BEAULY STREET, RIVERLEA, JOHANNESBURG, 2093, SOUTH AFRICA, South Africa ~72: BERNSTEIN, Irvin~ 33:ZA ~31:2016/02032 ~32:29/03/2016

2023/07705 ~ Complete ~54:SYSTEM FOR CIRCUMSTANCE DECOMPOSITION ANALYSIS FOR CRIMINAL SENTENCING, AND METHOD FOR THE SYSTEM THEREOF ~71:Huainan Normal University, Dongshan West Road, Huainan City, Anhui Province, 232038, People's Republic of China ~72: Xiang Tingting~ 33:CN ~31:202310924328.1 ~32:25/07/2023

2023/07711 ~ Complete ~54:HERBICIDE COMPOSITION ~71:UPL Corporation Limited, 5th Floor, Newport Building, Louis Pasteur Street, PORT LOUIS, MAURITIUS, Mauritius;UPL Europe Ltd, The Centre, 1st Floor, Birchwood Park, WARRINGTON WA3 6YN, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: MERTES, Adrien;PIROTTE, Alan~ 33:GB ~31:2100123.5 ~32:06/01/2021

2023/07710 ~ Complete ~54:MOUNTING PROFILE ~71:THALE SP. Z O.O. SP.K, Wilimowo 2, Poland ~72: NICZUK, Jakub~ 33:PL ~31:P.437245 ~32:08/03/2021

2023/07718 ~ Complete ~54:DISPLAY MODULE CAPABLE OF RECOGNIZING PEN INPUT DEVICE, AND ELECTRONIC DEVICE COMPRISING DISPLAY MODULE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: HYUNHO SHIN;JUNGCHUL AN;KYUNGSUB KIM;MYEONGSIL PARK;SHINHYUK YOON~ 33:KR ~31:10-2021-0017410 ~32:08/02/2021

2023/07725 ~ Complete ~54:EFFICIENT COMPREHENSIVE INSPECTION SYSTEM FOR AUTOMOBILE ~71:QIAN'AN FUYUN MOTOR VEHICLE TESTING CO., LTD., East side of Pingqing Road, Qian'an High tech Industrial Development Zone, People's Republic of China ~72: CHEN, Jiawei~ 33:CN ~31:202310050994.7 ~32:02/02/2023

2023/07696 ~ Provisional ~54:WATER-LEVEL INDICATOR ARRANGEMENT ~71:Etienne ZEEMAN, Leeurivier, South Africa ~72: Etienne ZEEMAN~

2023/07699 ~ Complete ~54:A TEACHING LASER POINTER ~71:Zhengzhou Railway Vocational & Technical College, No. 56, Pengcheng Avenue, Zhengdong New Area, Zhengzhou, People's Republic of China ~72: Hou Binbin;Li Min;Liu Xinfang;Luo Yan;Yan Ran;Zhi Jingjing~

2023/07703 ~ Complete ~54:STRUCTURE PROTECTION SHEET, CONCRETE BLOCK, AND METHOD FOR MANUFACTURING REINFORCED STRUCTURE ~71:KEIWA INCORPORATED, 10-5, Nihonbashikayabacho 2-chome, Chuo-ku, Tokyo, 1030025, Japan ~72: AKIRA NINOMIYA;KENTA SHIMOTANI;MASAO ASHIKAGA;NORIYUKI HORIUCHI;TOSHIKATSU FURUNAGA;YOSHIKI NAKAJIMA;YUKI MATSUNO;YUKINOBU IKEDA~ 33:JP ~31:2020-036255 ~32:03/03/2020;33:JP ~31:2020-036256 ~32:03/03/2020;33:JP ~31:2020-036257 ~32:03/03/2020;33:JP ~31:2020-088210 ~32:20/05/2020

2023/07707 ~ Complete ~54:MICROBIAL COUPLING DYE WASTEWATER TREATMENT DEVICE ~71:Anhui Science and Technology University, 9 Donghua Road, Fengyang County, Chuzhou City, Anhui province, People's Republic of China ~72: LI Hongying;SONG Xiaoyu;ZOU Haiming~ 33:CN ~31:2022116043514 ~32:13/12/2022

2023/07716 ~ Complete ~54:STRETCHING EQUIPMENT FOR PHYSICAL EXERCISE ~71:North China University of Science and Technology, #21 Bohai Road, Caofeidian Xincheng, Tangshan, People's Republic of China ~72: Zhao Jianhui~ 33:CN ~31:202310257190.4 ~32:17/03/2023

2023/07722 ~ Complete ~54:GPR84 ANTAGONISTS AND USES THEREOF ~71:LIMINAL BIOSCIENCES LIMITED, Park Ground Floor, Unit 1 Iconix Park, London Road, Sawston, Cambridge, CB22 3 EG, United Kingdom ~72: ALEXANDRE LARIVÉE;CLAUDIO STURINO;ELODIE LANDAGARAY;ELYSE BOURQUE;JEAN-BENOÎT GIGUÈRE;JEREMY GREEN;JULIEN MARTEL;MYLÈNE DELESELEUC;SHAUN ABBOTT~ 33:US ~31:63/144,701 ~32:02/02/2021

2023/07713 ~ Complete ~54:IRAK4 DEGRADERS AND USES THEREOF ~71:Kymera Therapeutics, Inc., 200 Arsenal Yards Blvd., Suite 230, WATERTOWN 02472, MA, USA, United States of America ~72: ENERSON, Brad;RONG, Haojing~ 33:US ~31:63/149,625 ~32:15/02/2021

2023/07717 ~ Complete ~54:ELECTRONIC DEVICE COMPRISING WATERPROOF STRUCTURE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DONGIK LEE;HWAMOK PAK;JAEHEE KIM;JONGKEUN KIM;MINYEE AN;SUNGGUN CHO;WONHEE CHOI~ 33:KR ~31:10-2021-0019059 ~32:10/02/2021

2023/07721 ~ Complete ~54:SHAPED TOILET CLEANER BLOCK ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: IVAN VALCARENGHI;KOUSHIK ACHARYA;MICHELE STEFANONI;OLIVIER LONTOUO TAKEMLON;PAOLO MONDANI~ 33:EP ~31:21161255.1 ~32:08/03/2021

2023/07724 ~ Complete ~54:CRYSTALLINE FORMS OF A SOMATOSTATIN MODULATOR ~71:CRINETICS PHARMACEUTICALS, INC., 10222 Barnes Canyon Road, Building #2, United States of America ~72: KAHWAJI, Samer;MACEACHERN, Lauren;MONYONCHO, Evans;MUELLER, Peter;REDDY, Jayachandra P.;ZHAO, Yuxin~ 33:US ~31:63/150,262 ~32:17/02/2021

2023/07693 ~ Provisional ~54:HYDRAULIC MOTOR ARRANGEMENT ~71:Servaas CONRADIE, 63 Summervale, South Africa ~72: Servaas CONRADIE~

2023/07700 ~ Complete ~54:METHOD OF THE LAYERED MONITORING MULTI-PHYSICS FIELD INFORMATION OF STRATA IN THE BOREHOLE ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No.1, University Road, Tongshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: LI Wenping;LI Xiaoqin;LU Qinggang;TENG Bo;WANG Qiqing;ZHU Jingzhong~ 33:CN ~31:202310794101X ~32:29/06/2023

2023/07712 ~ Complete ~54:INTERMEDIATE RECURRENT PARENTS, AN ACCELERATED AND EFFICIENT MULTI-LAYER TRAIT DELIVERY SYSTEM ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST LOUIS 63167, MO, USA, United States of America ~72: CARLSON, Carrin;DONG, Qianni;GUTIERREZ, Humberto I.;JACKSON, Scott;LIU, Bing;MORAN, Jorge;TRIFUNOVIC, Slobodan;ZHU, Lei~ 33:US ~31:63/146,408 ~32:05/02/2021

2023/07720 ~ Complete ~54:METHOD OF MAKING A SHAPED TOOL COMPONENT ~71:ELEMENT SIX (UK) LIMITED, Global Innovation Centre, Fermi Avenue, Harwell Oxford, Didcot, Oxfordshire, OX11 0QR, United Kingdom ~72: DAVID FORD;DOUGLAS GEEKIE~ 33:GB ~31:2105770.8 ~32:22/04/2021

2023/07695 ~ Provisional ~54:ELECTRICITY GENERATING ARRANGEMENT ~71:Servaas CONRADIE, 63 Summervale, South Africa ~72: Servaas CONRADIE~

2023/07715 ~ Complete ~54:ENCAPSULATED RNA POLYNUCLEOTIDES AND METHODS OF USE ~71:Oncorus, Inc., 50 Hampshire Street, Suite 401, CAMBRIDGE 02139, MA, USA, United States of America ~72: BRYANT, Jeffrey David;CHEEMA, Tooba A.;DETERLING, Jessica;ESSEX, Sean;HU, Qi-Ying;KENNEDY, Edward M.;LERNER, Lorena;QUEVA, Christophe~ 33:US ~31:63/134,376 ~32:06/01/2021;33:US ~31:63/147,959 ~32:10/02/2021;33:US ~31:63/181,663 ~32:29/04/2021;33:US ~31:63/181,899 ~32:29/04/2021;33:US ~31:63/181,917 ~32:29/04/2021

2023/07723 ~ Complete ~54:GPR84 ANTAGONISTS AND USES THEREOF ~71:LIMINAL BIOSCIENCES LIMITED, Park Ground Floor, Unit 1 Iconix Park, London Road, Sawston, Cambridge, CB22 3 EG, United Kingdom ~72: ALEXANDRE LARIVÉE;CLAUDIO STURINO;ELODIE LANDAGARAY;ELYSE BOURQUE;JEAN-BENOÎT GIGUÈRE;JEREMY GREEN;JULIEN MARTEL;MYLÈNE DELESELEUC;NADIA MICHEL NASSER;SHAUN ABBOTT~ 33:US ~31:63/144,720 ~32:02/02/2021

2023/07697 ~ Complete ~54:ELECTRICAL HEATING HEAVY-DUTY CRUSHER ~71:Shandong Shankuang Machinery Co., Ltd, No. 11, Ji'anqiao North Road, Rencheng District, Jining City, Shandong Province, 272000, People's Republic of China ~72: JIANG, Guoqiang;SU, Jiqiang;SUN, Jizheng;SUN, Shanjin;ZHANG, Ying;ZHENG, Zhaozong~

2023/07701 ~ Complete ~54:DIGITAL TWIN SMART FACTORY SIMULATION SYSTEM AND METHOD THEREOF ~71:NINGBO JINYU TECHNOLOGY INDUSTRY CO., LTD., No. 589, Yeshan Road, Yuyao City, Zhejiang Province, 315400, People's Republic of China ~72: CHENG, Zhixiang;FAN, Bin;HAN, Chongya;HUANG, Guojun;HUANG, Qiwen;LIN, Wanglei;LIU, Shasha;YU, Jianfeng;ZHOU, Dongmei;ZHOU, Jie~

2023/07704 ~ Complete ~54:MEGLUMINE MODIFIED ATTAPULGITE, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:QINGHAI NORMAL UNIVERSITY, NO. 38, WUSIXI ROAD, People's Republic of China ~72: CHEN, Wei;CUI, Xiang;SUN, Zhe;WANG, Weien;ZHANG, Mingjin~ 33:CN ~31:2022109826276 ~32:16/08/2022

2023/07706 ~ Complete ~54:PHOTOVOLTAIC BACKPLANE HEAT DISSIPATION DEVICE ~71:PINGDINGSHAN UNIVERSITY, South Section of Future Road, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: ZHANG Fang~

2023/07709 ~ Complete ~54:A METHOD OF APPLYING A MONOLITHIC REFRACTORY ON A PORTION OF AN INNER SURFACE OF A COKE DRUM PRESSURE VESSEL ~71:TSHWANE UNIVERSITY OF TECHNOLOGY, STAATSARTILLERIE ROAD, South Africa ~72: BELGRAVIN SIBAMBO;JAMURI TAMBA;KHUMBULANI MPOFU~ 33:ZA ~31:2022/08708 ~32:04/08/2022

2023/07714 ~ Complete ~54:REACTOR SYSTEM FOR MIXING OPERATION AT PARTIAL LOAD ~71:Casale SA, Via Pocobelli, 6, LUGANO 6900, SWITZERLAND, Switzerland ~72: RIZZI, Maurizio~ 33:EP ~31:21162870.6 ~32:16/03/2021

2023/07719 ~ Complete ~54:METHOD OF MAKING A SHAPED TOOL COMPONENT ~71:ELEMENT SIX (UK) LIMITED, Global Innovation Centre, Fermi Avenue, Harwell Oxford, Didcot, Oxfordshire, OX11 0QR, United Kingdom ~72: DAVID FORD;DOUGLAS GEEKIE~ 33:GB ~31:2105771.6 ~32:22/04/2021

2023/07732 ~ Complete ~54:METHOD FOR KEEPING HUMAN IN ELECTRIC CONTACT WITH TREE GROWING ON GROUND FOR LONG TIME ~71:ISHIGAME, Souichi, 13-802, Hashimotochou 1-chome, Naka-ku, Japan ~72: ISHIGAME, Souich~ 33:JP ~31:2020-179244 ~32:08/10/2020;33:JP ~31:PCT/JP2020/039472 ~32:09/10/2020

2023/07730 ~ Complete ~54:LIPID NANOPARTICLES ~71:ETHERNA IMMUNOTHERAPIES NV, Galileilaan 19, Belgium;VRIJE UNIVERSITEIT BRUSSEL, Pleinlaan 2, Belgium ~72: BEVERS, Sanne;DE KOKER, Stefaan;KOOIJMANS, Sander Alexander Antonius;SCHIFFELERS, Raymond Michel~ 33:EP ~31:20179435.1 ~32:11/06/2020;33:EP ~31:21160384.0 ~32:03/03/2021

2023/07694 ~ Provisional ~54:TURBINE ARRANGEMENT ~71:Servaas CONRADIE, 63 Summervale, South Africa ~72: Servaas CONRADIE~

2023/07708 ~ Complete ~54:METHOD FOR CONSTRUCTING STABLE TREE STRUCTURE OF MOUNTAIN PEACH ORCHARD ~71:Shandong Agriculture And Engineering University, No.866 Nongganyuan Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: DING Jie;LIU Jin;SHU Jing;WANG Gongshuai;WANG Peng;YANG Xiangli;ZHANG Kun;ZHANG Yanling;ZHAO Jin~

2023/07731 ~ Complete ~54:HUMANIZED ANTIBODIES AGAINST IRHOM2 ~71:NEW YORK SOCIETY FOR THE RELIEF OF THE RUPTURED AND CRIPPLED, MAINTAINING THE HOSPITAL FOR SPECIAL SURGERY, 535 East 70th Street, United States of America;SCIRHOM GMBH, Am Klopferspitz 19, Germany ~72: Carl BLOBEL;Gisela WESKAMP;Jens RUHE;Matthias SCHNEIDER~ 33:EP ~31:21160030.9 ~32:01/03/2021;33:EP ~31:21165682.2 ~32:29/03/2021

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2023/07745 ~ Complete ~54:METHOD AND SYSTEM FOR LOAD CONTROL OF RECIPROCATING COMPRESSORS ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Boulevard, Allentown, Pennsylvania, 18106-5500, United States of America ~72: DAVID M ESPIE;GRAEME RICHARD WILSON;GREGORY W HENZLER;ZHONG-XIANG ZHU~ 33:US ~31:17/886,574 ~32:12/08/2022

2023/07754 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING HER2 POSITIVE CANCERS ~71:A2 Biotherapeutics, Inc., 30301 Agoura Road, Suite 210, AGOURA HILLS 91301, CA, USA, United States of America ~72: ANDO, Yuta;HAMBURGER, Agnes;KAMB, Carl Alexander;MOCK, Jee Young;OH, Julyun;XU, Han~ 33:US ~31:63/149,952 ~32:16/02/2021

2023/07759 ~ Complete ~54:COMPOSITIONS COMPRISING A VARIANT CAS12I4 POLYPEPTIDE AND USES THEREOF ~71:ARBOR BIOTECHNOLOGIES, INC., 20 Acorn Park Drive, Tower 500, Cambridge, Massachusetts, 02140, United States of America ~72: ANTHONY JAMES GARRITY;BRENDAN JAY HILBERT;QUINTON NORMAN WESSELLS;SHAORONG CHONG;TIA MARIE DITOMMASO;WEI-CHENG LU~ 33:US ~31:63/148,421 ~32:11/02/2021;33:US ~31:63/154,437 ~32:26/02/2021

2023/07746 ~ Complete ~54:CEILING DIFFUSER ~71:SPECIALISED CLIMATE ENGINEERING (PTY) LTD., Hurlingham Office Park, Block G, cnr William Nicol Street and Republic Road, SANDTON 2196, Gauteng, SOUTH AFRICA, South Africa ~72: ANDERSEN, John Craig~

2023/07734 ~ Provisional ~54:THREADED FITTING ~71:Hendrik Jakobus van Wyk, 3 Ashford Crescent, Brookside Village, South Africa ~72: Hendrik Jakobus van Wyk~

2023/07738 ~ Complete ~54:A RETAINING WALL STRUCTURE TO IMPROVE THE STABILITY AND SAFETY OF SLOPE PROTECTION ~71:Guizhou University of Engineering Science, Xueyuan Road, Qixingguan District,

Bijie City, Guizhou Province, 551700, People's Republic of China ~72: Aizhong LUO;Hong WANG;Juan FANG;Liuping HAN~

2023/07752 ~ Complete ~54:GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: MATHEW, Shawn Nainan;MIANZO, Lawrence A.;OBLAK, Tod A.;PLOUZEK, John M.;WISE, Raymond Alan~ 33:US ~31:17/171,569 ~32:09/02/2021

2023/07737 ~ Complete ~54:METHOD FOR SEPARATING AND PURIFYING CAFFEOYL QUINIC ACID COMPOUND FROM GUNURA PROCUMBENS FLOWER BY HIGH-SPEED COUNTERCURRENT CHROMATOGRAPHY ~71:Institute of Applied Chemistry, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, High tech Development Zone, Nanchang City, Jiangxi, 330096, People's Republic of China ~72: FU, Jianping;HU, Juwu;WU, Jing;WU, Lei;XIE, Chuanqi;XIONG, Wei~

2023/07739 ~ Complete ~54:PIPE FITTING TOOL AND ASSOCIATE METHODS ~71:Fluidra Waterlinx (Pty) Ltd, 5 Kruger Street, Denver, Johannesburg 2094, Gauteng, SOUTH AFRICA, South Africa ~72: BORMAN, Francois;HOLGREAVES, David Neil;SCHUTTE, André Coenraad;VAN DER LINDE, Aldo;VAN DER MEIJDEN, Abian;VAN DER MEIJDEN, Hendrikus Johannes;VAN DER VYVER, Donovan~ 33:US ~31:63/396,224 ~32:08/08/2022

2023/07748 ~ Complete ~54:A METHOD FOR PRODUCING CONCRETE USING BOTTOM ASH OF THERMAL POWER PLANTS ~71:CESC LIMITED, CESC House, Chowringhee Square, Kolkata, West Bengal, 700001, India;SDG CONSULTANTS, Flat No - 101, 29-A,, Sarat Ghose Garden Road, Dhakuria, Kolkata, West Bengal, 700031, India ~72: Debashish Bhattacharyya;Dr. Partha Ghosh;Gautam Dasgupta;Surajit Basu~ 33:IN ~31:202131028863 ~32:28/06/2021

2023/07761 ~ Complete ~54:INJECTION-BLOW-MOULDING MOULD AND METHOD ~71:MOLMASA APLICACIONES TÉCNICAS, SL, Av. de la Ferreria, 82 08110, Spain ~72: ATANCE ORDEN, Angel;CARRILLO GUERRERO, David~ 33:EP ~31:21382013.7 ~32:13/01/2021

2023/07735 ~ Complete ~54:AUTOMATIC WIRE STRIPPING DEVICE FOR POWER INSULATED WIRES ~71:BaiCheng Normal University, NO.57 Zhongxing West Road, Taobei District, Baicheng City, Jilin Province, People's Republic of China ~72: CUI Changqing;YANG Chunyan~

2023/07749 ~ Complete ~54:A METHOD AND SYSTEM FOR MANAGING LOST ITEMS ~71:SITA INFORMATION NETWORKING COMPUTING UK LIMITED, 1 London Gate 252-254, Blyth Road Hayes, United Kingdom ~72: BASTIDAS, Tupac~ 33:GB ~31:2102812.1 ~32:26/02/2021;33:GB ~31:21169001.1 ~32:16/04/2021

2023/07751 ~ Complete ~54:HYDRAULIC PUMP OR MOTOR WITH MOUNTING CONFIGURATION FOR INCREASED TORQUE ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BERNARD, Aurelien H.;HOPF, Darren J.;RAMALHO, Stive;ROUSSEAU, Paul A.;SPEICHINGER, Justin D.~ 33:US ~31:17/171,473 ~32:09/02/2021

2023/07758 ~ Complete ~54:SYSTEM AND METHOD FOR VIBRATION SEVERITY MEASUREMENT ~71:CORNELL PUMP COMPANY LLC, 16261 Southeast 130th Avenue, Clackamas, Oregon, 97015, United States of America ~72: AARON ARTHUR WEISS;JONATHAN CEDARLEAF~ 33:US ~31:63/151,307 ~32:19/02/2021

2023/07741 ~ Complete ~54:FLOW BATTERY SYSTEM ~71:UNIENERGY TECHNOLOGIES, LLC, 4333 Harbour Pointe Boulevard SW, Suite A, Mukilteo, Washington, 98275, United States of America ~72: BRIAN

AHER;ERIK K. L JOHNSON;GUANGUANG XIA;JASON I CRUZ;JINFENG WU;JONATHAN HORNER;KATHRYN M OSEEN-SENDA;RICHARD O WINTER~ 33:US ~31:62/607,842 ~32:19/12/2017

2023/07742 ~ Complete ~54:FUNGICIDAL NITROANILINO SUBSTITUTED PYRAZOLES ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: JEFFREY KEITH LONG;SRINIVAS CHITTABOINA;TRAVIS CHANDLER MCMAHON~ 33:US ~31:62/727,727 ~32:06/09/2018

2023/07753 ~ Complete ~54:PYRAZOLO[3,4-D]PYRIMIDIN-6-YL-SULFONAMIDE DERIVATIVES FOR THE INHIBITION OF SGK-1 ~71:Thryv Therapeutics Inc., 500 Boulevard Cartier Ouest, LAVAL H7V 5B7, QUÉBEC, CANADA, Canada ~72: KHALIFA, Maroua;MAGUIRE, Martin;VIDAL, Marc~ 33:US ~31:63/136,782 ~32:13/01/2021;33:US ~31:63/262,040 ~32:04/10/2021

2023/07760 ~ Complete ~54:METHOD FOR MYCOTECTURE ~71:MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue, CAMBRIDGE 02139, MA, USA, United States of America;STANDARD BANK GROUP LIMITED, 5 Simmonds Street, SELBY, Johannesburg 2001, Gauteng, SOUTH AFRICA, South Africa ~72: CAMERON-KIRKSMITH, Carolyn Margaret;MAURER, Christopher;MERSHIN, Andreas;STATHATOU, Patritsia Maria~ 33:US ~31:63/137,608 ~32:14/01/2021;33:US ~31:17/648,105 ~32:14/01/2022

2023/07736 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR COORDINATING GASTROINTESTINAL ENVIRONMENT AND TONIFYING QI, BLOOD AND WATER, AND PREPARATION METHOD THEREFOR ~71:Qingdao Baishishankang Biotechnology Co., Ltd., No. 426, North Fuzhou Road, Dongge Subdistrict Office, Pingdu City, Qingdao City, Shandong, 266799, People's Republic of China ~72: LIN, Ping;LIN, Zixuan~ 33:CN ~31:202211232516.X ~32:10/10/2022

2023/07740 ~ Complete ~54:CONCENTRATED GIBBERELLIN SOLUTION FORMULATIONS ~71:Valent Biosciences LLC, 870 Technology Way, LIBERTYVILLE 60048, IL, USA, United States of America ~72: DEVISETTY, Bala N.~ 33:US ~31:62/263,830 ~32:07/12/2015

2023/07744 ~ Complete ~54:METHOD AND SYSTEM FOR CONTROLLING PRODUCTION AND STORAGE OF INDUSTRIAL GASES ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Boulevard, Allentown, Pennsylvania, 18106-5500, United States of America ~72: DAVID M ESPIE;GRAEME RICHARD WILSON;ZHONG-XIANG ZHU~ 33:US ~31:17/886,562 ~32:12/08/2022

2023/07747 ~ Complete ~54:SPROCKET AND CHAIN DRIVE SYSTEM ~71:TSUBAKIMOTO CHAIN CO., 3-3-3, Nakanoshima, Kita-ku, Japan ~72: HIRAI, Akira;SHIMIZU, Shoichiro;WATANABE, Yuta~ 33:JP ~31:2022-144434 ~32:12/09/2022;33:JP ~31:2023-002492 ~32:11/01/2023

2023/07750 ~ Complete ~54:HYDRAULIC PUMP OR MOTOR WITH MOUNTING CONFIGURATION FOR INCREASED TORQUE ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BERNARD, Aurelien Herve;HOPF, Darren Joseph;RAMALHO, Stive;ROUSSEAU, Paul Alan;SPEICHINGER, Justin Douglas~ 33:US ~31:17/171,416 ~32:02/02/2021

2023/07756 ~ Complete ~54:CURABLE EPOXY SYSTEMS COMPRISING A PHENOLIC POLYMER ~71:Rain Carbon Germany GmbH, Kekuléstraße 30, CASTROP-RAUXEL 44579, GERMANY, Germany ~72: LIU, Jun;RAUSER, Marian~ 33:EP ~31:21155833.3 ~32:08/02/2021

2023/07743 ~ Complete ~54:A METHOD AND SYSTEM FOR WIRELESS MEASUREMENT OF DETONATION OF EXPLOSIVES ~71:INCITEC PIVOT LIMITED, Level 8, 28 Freshwater Place, Southbank, Victoria, 3006,

Australia ~72: ALASTAIR COURTENAY TORRANCE;GARY LINDSAY CAVANOUGH~ 33:AU ~31:2017904086 ~32:10/10/2017

2023/07733 ~ Provisional ~54:DOUGH MIXER MACHINE DIRECT-DRIVE MOTOR ATTACHED TO A DOUGH MIXER PLANETARY FOR HIGHER EFFICIENCY WITHOUT ANY BELT OR PULLEY. ~71:Ahmed Waseef Saib, 24 Park Avenue, Desainagar, Tongaat Beach, 4399, South Africa ~72: Ahmed Waseef Saib~

2023/07755 ~ Complete ~54:ANTIBODIES AND ANTIGEN BINDING PEPTIDES FOR FACTOR XIA INHIBITORS AND USES THEREOF ~71:Bristol-Myers Squibb Company, Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America;Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: AN, Yongmi;DILGER, Andrew Karl;EWING, William R.;KISH, Kevin;KRYSTEK, JR. , Stanley Richard;LUETTGEN, Joseph M.;PINCKNEY, Jason Robert;RAKESTRAW, Ginger Chao;SCHNEEWEIS, Lumelle;SHERIFF, Steven;TERRAGNI, Christina;YAMNIUK, Aaron Paul~ 33:US ~31:63/135,016 ~32:08/01/2021;33:US ~31:63/148,767 ~32:12/02/2021;33:US ~31:63/152,595 ~32:23/02/2021;33:US ~31:63/153,045 ~32:24/02/2021

2023/07757 ~ Complete ~54:INTERLOCKING REVERSE HIP PROSTHESIS WITH REMOVABLE TAPERED CENTRAL POST ~71:JOINT INNOVATION TECHNOLOGY, LLC, 6537 Via Rosa, Boca Raton, Florida, 33433, United States of America ~72: ZAFER TERMANINI~ 33:US ~31:17/145,332 ~32:09/01/2021

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2023/07776 ~ Complete ~54:RIVERINE SAND VEGETATION RESTORATION AND PROTECTION STRUCTURE ~71:GANSU FORESTRY VOCATIONAL AND TECHNICAL COLLEGE, No. 200, Maiji Avenue, Maiji District, Tianshui City, People's Republic of China;XIZANG COLLEGE OF AGRICULTURE AND ANIMAL HUSBANDRY, No. 100, Yucai West Road, Bayi District, Linzhi City, People's Republic of China ~72: Chuanqi WANG;Henna BAOSAI;Mingtao WANG;Yamei XU;Yanjun MIAO~

2023/07819 ~ Complete ~54:SYSTEMS AND METHODS FOR POWER PRODUCTION WITH INTEGRATED PRODUCTION OF HYDROGEN ~71:8 RIVERS CAPITAL, LLC, 406 Blackwell Street, Durham, United States of America ~72: ALLAM, Rodney John;RAFATI, Navid~ 33:US ~31:62/419,552 ~32:09/11/2016

2023/07790 ~ Complete ~54:CODING AND DECODING METHOD AND APPARATUS, AND DEVICES THEREFOR ~71:HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD., No.555 Qianmo Road, Binjiang District Hangzhou, Zhejiang, 310051, People's Republic of China ~72: FANGDONG CHEN;XIAOQIANG CAO;YUCHENG SUN~ 33:CN ~31:202110204154.2 ~32:23/02/2021

2023/07800 ~ Complete ~54:BIPOLAR INDUCTION ELECTRIC MACHINE ~71:PolyWavePower IP Proprietary Limited, 64 Liesbeek Road, Rosebank, Cape Town 7700, Western Cape, SOUTH AFRICA, South Africa ~72: IGNJATOVIC, Dragan~

2023/07767 ~ Complete ~54:A STOVE ~71:PHILLIPS, Charles, Taylor, 6 MOLOPO STREET, STILFONTEIN, SOUTH AFRICA, South Africa ~72: PHILLIPS, Charles, Taylor~ 33:ZA ~31:2022/03581 ~32:29/05/2022

2023/07777 ~ Complete ~54:TESTICULAR IMPLANT DEVICE AND METHOD ~71:MENOVA INTERNATIONAL, INC., 8500 WILSHIRE BLVD., SUITE 707, BEVERLY HILLS, CALIFORNIA, 90211, United States of America ~72: ELIST, James, J.~ 33:US ~31:17/172,506 ~32:10/02/2021

2023/07787 ~ Complete ~54:PRETOMANID AMORPHOUS FORM ~71:THE GLOBAL ALLIANCE FOR TB DRUG DEVELOPMENT, INC., 80 Pine Street, 20th Floor, New York, New York, 1005, United States of America ~72: POONAM G PANDE;RAJNEESH TANEJA~ 33:US ~31:63/144,059 ~32:01/02/2021

2023/07804 ~ Provisional ~54:MEASUREMENT 5 ~71:SMIT: DIRK VAN ZYL, PLOT 37, 7 MOUNTAIN DRIVE, DERDEPOORT, South Africa;SMIT: HENDRIK VAN ZYL, 98 SELROSE PARK, 5 GRIFFITH AVENUE, EQUESTRIA, South Africa ~72: SMIT: DIRK VAN ZYL ;SMIT: HENDRIK VAN ZYL ~

2023/07764 ~ Provisional ~54:NICOTOBA ~71:Sher van Heerden, Plot 415, South Africa ~72: Floris van Heerden;Sher van Heerden~

2023/07765 ~ Complete ~54:METHOD FOR ATTRACTING AND CONTROLLING TOMATO INVASIVE PEST TUTA ABSOLUTA BY SOLANUM NIGRUM ~71:Yunnan Agricultural University, No.95 Jinhei Road, Panlong District, Kunming City, Yunnan Province, 650201, People's Republic of China ~72: Chen Peng;Donggui Li;Furong Gui;Shuangyan Wang;Yaping Chen;Zhongxiang Sun~

2023/07774 ~ Complete ~54:METHOD FOR FINANCIAL DATA ANOMALY DETECTION, COMPUTER-READABLE MEDIUM AND ELECTRONIC DEVICE ~71:COSCO SHIPPING TECHNOLOGY (BEIJING) CO., LTD., Room 15A, Block F, Fuhua Building, No. 8 Chaoyangmen North Street, Dongcheng District, People's Republic of China ~72: DAI, Yue;WANG, Yajie;ZHANG, Kai~ 33:CN ~31:202310841603.3 ~32:10/07/2023

2023/07792 ~ Complete ~54:ENERGY EFFICIENT INDUCTION MOTOR ~71:PAL-K DYNAMICS PVT. LTD., 2/170(1), Spring Valley, Kalpathy Post, Kerala, India ~72: THEKKE PEEDIKAYIL, Kunjimon~ 33:IN ~31:202141001079 ~32:09/01/2021

2023/07766 ~ Complete ~54:A PROCESSING CLAMP DEVICE FOR MECHANICAL DESIGN ~71:Shenyang University of Technology, No. 111, Shenliao West Road, Economic and Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: Jichi Chen;Zijian Jia~ 33:CN ~31:202321870364.6 ~32:17/07/2023

2023/07773 ~ Complete ~54:METHOD FOR AUDIT DATA CLUSTERING BASED ON BERT MODEL ~71:COSCO SHIPPING TECHNOLOGY (BEIJING) CO., LTD., Room 15A, Block F, Fuhua Building, No. 8 Chaoyangmen North Street, Dongcheng District, People's Republic of China ~72: DAI, Yue;LI, Chunguang;ZHANG, Kai~ 33:CN ~31:202310786680.3 ~32:29/06/2023

2023/07779 ~ Complete ~54:METHOD FOR TREATING CHRONIC KIDNEY DISEASES ~71:ENYO PHARMA, 60 AVENUE ROCKEFELLER BIOSERRA 1 - BÂTIMENT B, 69008 LYON, FRANCE, France;INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), 101 RUE DE TOLBIAC, 75013 PARIS, FRANCE, France ~72: DARTEIL, Raphaël;GIRMA, Hugo;SCALFARO, Pietro;TERZI, Fabiola;VONDERSCHER, Jacky~ 33:EP ~31:21305036.2 ~32:14/01/2021;33:EP ~31:21306466.0 ~32:20/10/2021

2023/07789 ~ Complete ~54:KV1.3 BLOCKERS ~71:ZEALAND PHARMA A/S, Sydmarken 11 2860 Søborg, Denmark ~72: HENRIK FISCHER MUNCH~ 33:EP ~31:21164384.6 ~32:23/03/2021;33:EP ~31:21213431.6 ~32:09/12/2021

2023/07795 ~ Complete ~54:REPUTATION MANAGEMENT AND MACHINE LEARNING SYSTEMS AND PROCESSES ~71:NuArca, LLC, 304 Cambridge Road, WOBURN 01801, MA, USA, United States of America;Sontiq, Inc., 9920 Franklin Square Drive, Suite 250, NOTTINGHAM 21236, MD, USA, United States of America ~72: BLEASE, Rochelle F.;BURTON, Terri L.;COOPER, Todd R.;GABLE, Kellie N.;LONGE, Brian J.;SLOAN, J.B.~ 33:US ~31:17/179,336 ~32:18/02/2021

2023/07802 ~ Complete ~54:CONSENSUS GRAPH LEARNING-BASED MULTI-VIEW CLUSTERING METHOD ~71:ZHEJIANG NORMAL UNIVERSITY, 688 Yingbin Road, Jinhua, People's Republic of China ~72: LI,

Zhenglai;TANG, Chang;XU, Huiying;ZHAO, Jianmin;ZHU, Xinzhong~ 33:CN ~31:202110171227.2 ~32:08/02/2021

2023/07803 ~ Provisional ~54:MEASUREMENT 4 ~71:SMIT: DIRK VAN ZYL, PLOT 37, 7 MOUNTAIN DRIVE, DERDEPOORT, South Africa;SMIT: HENDRIK VAN ZYL, 98 SELROSE PARK, 5 GRIFFITH AVENUE,EQUESTRIA, South Africa ~72: SMIT: DIRK VAN ZYL ;SMIT: HENDRIK VAN ZYL ~

2023/07769 ~ Complete ~54:HEAT RECOVERY SYSTEM BETWEEN COMPRESSOR AND CONDENSER ~71:NANTONG UNIVERSITY, No.9 Seyuan Road, Nantong, Jiangsu, 226019, People's Republic of China ~72: HUA, Ruidong;LI, Xiang;NI, Peiyong;WANG, Xiangli;ZHANG, Xuewen~

2023/07781 ~ Complete ~54:SYSTEMS AND METHODS FOR PROCESSING MICROPAYMENTS ~71:AMPACASH CORPORATION, 19 Memorial Road Marlboro, United States of America ~72: UZO, Chijioke Chukwuemeka~ 33:US ~31:63/147,185 ~32:08/02/2021

2023/07785 ~ Complete ~54:LOCAL EDGE SHUNTING METHOD AND SYSTEM, AND SHUNTING SERVICE APPARATUS AND BASE STATION ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, People's Republic of China ~72: LIU, Ling;PENG, Jialin;WANG, Wenyi~ 33:CN ~31:202110225288.2 ~32:01/03/2021

2023/07783 ~ Complete ~54:KNEADER MIXER FOR PROCESSING A TRANSFER MIXTURE INTO A MOULDING SOLUTION ACCORDING TO THE DIRECT DISSOLVING METHOD ~71:LIST TECHNOLOGY AG, 23, Berstelstrasse, Switzerland ~72: GÜNTHER, Judith Andrea Michelle;KUNKEL, Roland;STEINER, Manuel;WITTE, Daniel~ 33:DE ~31:10 2021 100 480.2 ~32:13/01/2021

2023/07762 ~ Provisional ~54:A COOKING DEVICE ~71:PHILLIPS, Charles, Taylor, 6 MOLOPO STREET, STILFONTEIN, SOUTH AFRICA, South Africa ~72: PHILLIPS, Charles, Taylor~

2023/07771 ~ Complete ~54:MOBILE LPG PIPING DEPLOYMENT SYSTEM ~71:PAINTED WOLF CONSULTING (PTY) LTD, 39 OLIENHOUT STREET, BIRCHLEIGH, KEMPTON PARK, GAUTENG, SOUTH AFRICA, South Africa;PETREDEC INTERNATIONAL PTE. LTD., EU TONG SEN STREET, #17-93 THE CENTRAL OFFICE 1, 059818, SINGAPORE, Singapore ~72: DENNIS, Duane, Robin~ 33:ZA ~31:2022/05015 ~32:09/05/2022

2023/07793 ~ Complete ~54:COMPOSITIONS COMPRISING EXOPOLYSACCHARIDES AND USES THEREOF ~71:DANSTAR FERMENT AG, Poststrasse 30, Switzerland ~72: DURMONT, Frédéric~ 33:EP ~31:21305183.2 ~32:11/02/2021

2023/07772 ~ Complete ~54:TAXI HEARSE ~71:ILIFA FREIGHT SERVICES CC, 2 Nabe Way, South Africa ~72: FILANI, Daniel~

2023/07799 ~ Complete ~54:COMPOSITIONS COMPRISING HUMANIZED ANTIBODIES TO TNF-LIKE LIGAND 1A (TL1A) AND USES THEREOF ~71:CEDARS-SINAI MEDICAL CENTER, 8700 Beverly Blvd., United States of America;PROMETHEUS BIOSCIENCES, INC., 3050 Science Park Road, United States of America ~72: BILSBOROUGH, Janine;HENKLE, Bradley;LAURENT, Olivier;LUO, Allison;MANNING, Mark;OTSUKI, Lauren;PAYNE, Robert;TARGAN, Stephan R.~ 33:US ~31:63/150,825 ~32:18/02/2021;33:US ~31:63/180,892 ~32:28/04/2021;33:US ~31:63/226,037 ~32:27/07/2021;33:US ~31:63/285,781 ~32:03/12/2021

2023/07780 ~ Complete ~54:METHODS FOR ADAPTING NB-IOT MEASUREMENT PROCEDURE BASED ON CARRIER FREQUENCY RELATIONS ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: CHEN, Jie;KAZMI, Muhammad, Ali;SHREEVASTAV,

Ritesh;THANGARASA, Santhan;UESAKA, Kazuyoshi;YAVUZ, Emre;ZHANG, Liping~ 33:CN ~31:PCT/CN2021/071774 ~32:14/01/2021

2023/07786 ~ Complete ~54:METHOD FOR PRODUCING A TRANSFER MIXTURE BY THE DIRECT DISSOLUTION PROCESS, USING A THIN LAYER EVAPORATOR ~71:LIST TECHNOLOGY AG, 23, Berstelstrasse, Switzerland ~72: GÜNTHER, Judith Andrea Michelle;KUNKEL, Roland;STEINER, Manuel;WITTE, Daniel~ 33:DE ~31:10 2021 100 484.5 ~32:13/01/2021

2023/07797 ~ Complete ~54:MEC SYSTEM ~71:ELECTROCHAEA GMBH, Semmelweisstrasse 3, Germany ~72: ERBEN, Johannes;HAFENBRADL, Doris;PATEL, Nitant;RODRIGO, Jose~ 33:DE ~31:10 2021 106 890.8 ~32:19/03/2021

2023/07788 ~ Complete ~54:METHODS FOR DETECTING CSF TAU SPECIES WITH STAGE AND PROGRESSION OF ALZHEIMER DISEASE, AND USE THEREOF ~71:WASHINGTON UNIVERSITY, One Brookings Drive, St. Louis, Missouri, 63130, United States of America ~72: ERIC MCDADE;KANTA HORIE;NICOLAS BARTHELEMY;RANDALL BATEMAN;YAN LI~ 33:US ~31:63/140,203 ~32:21/01/2021;33:US ~31:63/151,051 ~32:18/02/2021;33:US ~31:63/170,185 ~32:02/04/2021;33:US ~31:63/180,915 ~32:28/04/2021;33:US ~31:63/187,697 ~32:12/05/2021;33:US ~31:63/213,006 ~32:21/06/2021

2023/07820 ~ Complete ~54:ARRANGEMENT FOR COMPARING PRICING OF GOODS ~71:Efterpe Gerasimos SOFIANOS, 1 Dante Road, South Africa;Godfrey Ivan LANCELLAS, 1 Dante Road, South Africa ~72: Efterpe Gerasimos SOFIANOS;Godfrey Ivan LANCELLAS~

2023/07768 ~ Complete ~54:TRANSVERSE-CUTTING AND LONGITUDINAL-BREAKING PREVENTION AND CONTROL METHOD FOR OUTBURST-ROCKBURST COMPOUND COAL ROCK DYNAMIC DISASTERS ~71:CCTEG CHONGQING RESEARCH INSTITUTE CO., LTD, No. 6, Kecheng Road, Jiulongpo District, Chongqing, 400039, People's Republic of China;Henan Polytechnic University, No. 2001, Shiji Road, High tech Zone, Jiaozuo City, Henan Province, 454003, People's Republic of China ~72: LI, Zhenhua;MU, Qian;NIU, Shuanghui;QIAO,Wei;WANG, Longjing;WANG, Shiwei;WANG, Wenqiang;WANG, Yifan;YI, Enbing;ZHANG, Dazhong~

2023/07796 ~ Complete ~54:ANTI-N3PGLU AMYLOID BETA ANTIBODIES AND USES THEREOF ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: MINTUN, Mark;SIMS II, John Randall~ 33:US ~31:63/160,490 ~32:12/03/2021;33:US ~31:63/192,288 ~32:24/05/2021

2023/07770 ~ Complete ~54:MOBILE LPG SHIP TO SHORE DISCHARGE SYSTEM ~71:PAINTED WOLF CONSULTING (PTY) LTD, 39 OLIENHOUT STREET, BIRCHLEIGH, KEMPTON PARK, GAUTENG, SOUTH AFRICA, South Africa;PETREDEC INTERNATIONAL PTE. LTD., EU TONG SEN STREET, #17-93 THE CENTRAL OFFICE 1, 059818, SINGAPORE, Singapore ~72: DENNIS, Duane, Robin~ 33:ZA ~31:2022/05016 ~32:09/05/2022

2023/07763 ~ Provisional ~54:KINETIC ENERGY GENERATION ~71:JACOBS, Etienne, 3 Flanders Road, Lorraine, South Africa;NEL, Eghardt, R555 Burgersfort Road, South Africa ~72: JACOBS, Etienne;NEL, Eghardt~

2023/07791 ~ Complete ~54:QUINAZOLINE COMPOUND FOR INDUCING DEGRADATION OF G12D MUTANT KRAS PROTEIN ~71:ASTELLAS PHARMA INC., 5-1, Nihonbashi-Honcho 2-chome Chuo-ku, Tokyo, 103-8411, Japan ~72: EIJI KAWAMINAMI;HIDEYUKI WATANABE;HIROKI ISHIOKA;HISAO HAMAGUCHI;KAZUYUKI KURAMOTO;KENICHI KAWAGUCHI;KOHEI INAMURA;MITSUAKI OKUMURA;SUNAO IMADA;TAKAHIRO MORIKAWA;TAKEYUKI NAGASHIMA;TOMOHIRO YOSHINARI;TOMOYOSHI IMAIZUMI~ 33:JP ~31:2021-021656 ~32:15/02/2021

2023/07794 ~ Complete ~54:DUAL MODE RADIOTRACER AND THERAPEUTICS ~71:Technische Universität München, Arcisstr. 21, MÜNCHEN 80333, GERMANY, Germany ~72: FISCHER, Sebastian;KUNERT, Jan-Philip;WESTER, Hans-Jürgen;WURZER, Alexander~ 33:EP ~31:21157154.2 ~32:15/02/2021

2023/07801 ~ Complete ~54:FILTER ELEMENT FOR AN AIR-FILTER DEVICE OF A MOTOR VEHICLE, AND AIR-FILTER DEVICE ~71:DAIMLER TRUCK AG, Fasanenweg 10, 70771, Germany ~72: SCHUHMACHER, Eric~ 33:DE ~31:10 2021 000 515.5 ~32:02/02/2021;33:WO ~31:PCT/EP2022/052375 ~32:02/02/2022

2023/07775 ~ Complete ~54:AUTOMATIC CENTERING DEVICE BASED ON OIL PRESS FOR WIND POWER FLANGE FORGING, AND METHOD THEREOF ~71:SHANXI TIANBAO GROUP CO., LTD, Beiguan Industrial Zone, Dingxiang County, Xinzhou City, People's Republic of China ~72: Dawei HU;Junjie LIU;Shaohua SHI;Tinghai ZHI;Xiaotao LIU;Yanling ZHANG;Yongqiang QIAO;Zhilong YAN~ 33:CN ~31:202211636673.7 ~32:20/12/2022

2023/07798 ~ Complete ~54:SOMATOSTATIN RECEPTOR TYPE 5 AGONIST FOR THE TREATMENT OF HYPERINSULINISM ~71:CRINETICS PHARMACEUTICALS, INC., 10222 Barnes Canyon Road, Building #2, United States of America ~72: FERRARA-COOK, Christine;KRASNER, Alan S.~ 33:US ~31:63/150,266 ~32:17/02/2021;33:US ~31:63/244,039 ~32:14/09/2021

2023/07778 ~ Complete ~54:LIFTING GEAR ~71:COLUMBUS MCKINNON INDUSTRIAL PRODUCTS GMBH, YALE-ALLEE 30, 42329 WUPPERTAL, GERMANY, Germany ~72: STRUCK, Detlef~ 33:DE ~31:10 2021 101 058.6 ~32:19/01/2021

2023/07784 ~ Complete ~54:VIDEO DATA PROCESSING METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM ~71:LONGSE TECHNOLOGY CO., LTD., Building 2, No.18, Dongming 3rd road, Huangpu District, People's Republic of China ~72: CHEN, Xiaoyan;LIANG, Shaoling;LIN, Ge;QUAN, Shaojun~ 33:CN ~31:202210289901.1 ~32:23/03/2022

2023/07782 ~ Complete ~54:THIN FILM EVAPORATOR, AND METHOD FOR PRODUCING A TRANSFER MIXTURE ~71:LIST TECHNOLOGY AG, 23, Berstelstrasse, Switzerland ~72: GÜNTHER, Judith Andrea Michelle;KUNKEL, Roland;STEINER, Manuel;WITTE, Daniel~ 33:DE ~31:10 2021 100 475.6 ~32:13/01/2021

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2023/07824 ~ Complete ~54:AIR FILTRATION DEVICE ~71:North China University of Science and Technology, #21 Bohai Road, Caofeidian Xincheng, Tangshan, People's Republic of China ~72: Li Jia~ 33:CN ~31:202310785575.8 ~32:29/06/2023

2023/07831 ~ Complete ~54:ANTI-CD30L ANTIBODIES AND USES THEREOF ~71:DR. FALK PHARMA GMBH, Leinenweberstrasse 5, Germany;PROMETHEUS BIOSCIENCES, INC., 3050 Science Park Road, United States of America ~72: BARNETT, Burton;FECTEAU, Jessie-Farah;FRANSSON, Johan;LAURENT, Olivier;RENSHAW, Mark~ 33:US ~31:63/150,373 ~32:17/02/2021

2023/07823 ~ Complete ~54:DEVICES, METHODS AND SYSTEMS FOR MONITORING ELECTRIC FENCES ~71:GALLAGHER GROUP LIMITED, c/o Level 12, KPMG Centre 85 Alexandra Street, New Zealand ~72: BODMAN, Kerry Ian~ 33:NZ ~31:771830 ~32:13/01/2021

2023/07815 ~ Complete ~54:RESIDUE SEPARATOR FOR SEWAGE TREATMENT ~71:Anhui Science And Technology University, No. 9 Donghua Road, Fengyang County, Anhui Province, 233100, People's Republic of China ~72: Liu Lei;Sun Bingqing~

2023/07811 ~ Complete ~54:A MULTIMEDIA TEACHING SYSTEM ~71:Zhengzhou Railway Vocational & Technical College, No. 56, Pengcheng Avenue, Zhengdong New Area, Zhengzhou, People's Republic of China ~72: Hou Binbin;Li Min;Liu Xinfang;Luo Yan;Yan Ran;Zhi Jingjing~

2023/07834 ~ Provisional ~54:TEKETE MANAGEMENT SYSTEM (TEKETE) ~71:Moepi Publishing, Byls Bridge, Building 14, Block B, South Africa ~72: Matau Andronica Ramapuputla~

2023/07807 ~ Provisional ~54:ACCESS CONTROL SYSTEM AND ELECTRONIC LOCK ~71:BURGER, Cornelius, 6 Avalon, 1 Bishop Bird Street, Wierdapark, Centurion, South Africa;SCHOEMAN, Jurgens Johannes, 19 Lawley Ave, Northcliff, South Africa ~72: BURGER, Cornelius~

2023/07805 ~ Provisional ~54:NON-INVASIVE BLOOD COUNT MONITORING SYSTEM USING WRIST =WATCH OR BANGLE WITH INTEGRATED LIGHTS AND AI ANALYSIS ~71:Barend Daniel DE BEER, Barend Daniel DE BEER, 9 Swartberg Street Vaalpark, South Africa ~72: Barend Daniel DE BEER~

2023/07813 ~ Complete ~54:NITROGEN-DOPED HOLLOW CARBON NANOSPHERE AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Institute of Applied Chemistry, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, High-tech Development Zone, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: XU, Jianguo~

2023/07838 ~ Complete ~54:SAMPLING DEVICE AND SAMPLE STORAGE DEVICE SUITABLE FOR SINGLE MOLECULE ~71:SHANDONG PROVINCIAL HOSPITAL AFFILIATED TO SHANDONG FIRST MEDICAL UNIVERSITY, NO. 324, JINGWUWEIQI ROAD, People's Republic of China ~72: LIU, Xiangdong;YUAN, Mingjie~ 33:CN ~31:2023108862570 ~32:19/07/2023

2023/07806 ~ Provisional ~54:NON-INVASIVE BLOOD COUNT MONITORING SYSTEM USING WRIST =WATCH OR BANGLE WITH INTEGRATED LIGHTS AND AI ANALYSIS ~71:Barend Daniel DE BEER, Barend Daniel DE BEER, 9 Swartberg Street Vaalpark, South Africa ~72: Barend Daniel DE BEER~

2023/07808 ~ Provisional ~54:WALLOCK ~71:Sean Muller, 38 Loerie Close, Ballito Gardens, Ballito, 4301, South Africa ~72: Sean Albert Muller~

2023/07809 ~ Complete ~54:O-METHYLTRANSFERASE PROTEIN WITH HIGHLY SPECIFIC CATALYTIC FUNCTION FOR MULTIPLE BIAS PARENT NUCLEI AND ENCODING GENE AND APPLICATION THEREOF ~71:INSTITUTE OF CHINESE MATERIA MEDICA CHINA ACADEMY OF CHINESE MEDICAL SCIENCES, No. 16, Nanxiao Street, Dongzhimennei, Dongcheng District, Beijing, 100700, People's Republic of China ~72: CHEN, Sha;YU, Yuetong~ 33:CN ~31:202210957619.6 ~32:10/08/2022

2023/07812 ~ Complete ~54:CULTIVATION METHOD FOR IMPROVING SPRING SEED YIELD OF SEMI-WINTER WHEAT ~71:Qinghai Academy of Agriculture and Forestry Sciences, No. 253 Ningda Road, Xining City, Qinghai Province, 810016, People's Republic of China ~72: HOU Lu;MA Lin~

2023/07814 ~ Complete ~54:ELECTRONIC PAYMENT PROCESSING METHOD AND SYSTEM ~71:GROBBELAAR, Albert Stefanus, 484 Kay Lane, South Africa;VAN DER MERWE, Alwyn, 46 Mafunyane Street, South Africa ~72: GROBBELAAR, Albert Stefanus~ 33:ZA ~31:2022/05118 ~32:10/05/2022

2023/07816 ~ Complete ~54:A SYSTEM AND METHOD FOR MODIFYING AN EMULSION EXPLOSIVE ~71:OMNIA GROUP (PROPRIETARY) LIMITED, 13 Sloane Street, Epsom Downs, South Africa ~72: HARIPARSAD, Nishen;PATHAK, Rakhi~

2023/07828 ~ Complete ~54:COMPOSITE CATHODE MATERIAL FOR LITHIUM-ION BATTERIES ~71:AUTONOMOUS NON-PROFIT ORGANIZATION FOR HIGHER EDUCATION “SKOLKOVO INSTITUTE OF

SCIENCE AND TECHNOLOGY", territoriia innovatsionnogo tsentra «Skolkovo», Bolshoi b-r, d. 30, str. 1, Moscow, 121205, Russian Federation;INENERGY LIMITED LIABILITY COMPANY (INENERGY LLC), ul. Elektrodnaya, d. 12, str. 1, etazh 2, pomeshchenie 5, Moscow, 111524, Russian Federation ~72: ABAKUMOV, Artem Mikhailovich;ORLOVA, Elena Dmitrievna;SAVINA, Aleksandra Aleksandrovna~ 33:RU ~31:2020140929 ~32:11/12/2020

2023/07830 ~ Complete ~54:HYDROGELS FOR CELL THERAPY ~71:Adocia, 115 Avenue Lacassagne, LYON 69003, FRANCE, France ~72: GEISSLER , Alexandre;LAURENT, Nicolas;PLANCQ, Baptiste;SOULA, Gérard~ 33:EP ~31:21151038.3 ~32:11/01/2021;33:EP ~31:21217754.7 ~32:24/12/2021

2023/07827 ~ Complete ~54:CATHETERS WITH GUIDEWIRE ADAPTORS AND RELATED ASSEMBLY METHOD ~71:B. BRAUN MELSUNGEN AG, Carl-Braun-Strasse 1, 34212, Melsungen, Germany ~72: ANDRÉ WEISS;CHEE MUN PHANG;DOMINIK JAROS;KAVINTHARAN -;KENG SEANG TAN;LILIAN ZHI LING LEW;MOHD ZAIRIZAL BIN ZAKARIA;TENG LIP KHOO~ 33:US ~31:63/250,142 ~32:29/09/2021

2023/07829 ~ Complete ~54:PROTECTED ISOTHERMAL NUCLEIC ACID AMPLIFICATION (PINA) METHODS FOR POINT-OF-NEED DIAGNOSIS OF EMERGING INFECTIOUS DISEASES ~71:MIDGE MEDICAL GMBH, Colditzstrasse 34/36, 16A, South Africa ~72: Manfred WEIDMANN;Markus RIESTER~ 33:EP ~31:21160578.7 ~32:03/03/2021

2023/07832 ~ Complete ~54:ANTIGEN-BINDING PROTEIN TARGETING STAPHYLOCOCCUS AUREUS A-TOXIN AND APPLICATION THEREOF ~71:STARMAB BIOLOGICS (SUZHOU) CO., LTD, Room 208, Building 2 No. 40, Suhong West Road, People's Republic of China;STARSHINING BIOLOGICS (SHANGHAI) CO., LTD, 5th Floor, Building 2, 367 Shengrong Road, People's Republic of China ~72: AN, Maomao;CHEN, Simin;GUO, Shiyu;LI, Bohua;QIU, Xiran~ 33:CN ~31:202110033695.3 ~32:11/01/2021

2023/07822 ~ Complete ~54:PYRIMIDINE DERIVATIVE HAVING PROTEIN KINASE INHIBITORY ACTIVITY, AND THERAPEUTIC PHARMACEUTICAL COMPOSITION COMPRISING SAME ~71:INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY, 50, Yonsei-ro Seodaemun-gu, Republic of Korea;THERAPEX CO., LTD., 3F, 6, Jeongui-ro 7-gil, Songpa-gu, Seoul, Republic of Korea ~72: CHO, Byoung Chul;CHO, Han Na;KIM, Young Hoon;MALLA REDDY, Gannarapu;SENGUPTA, Sandip;SIM, Tae Bo~ 33:KR ~31:10-2021-0042821 ~32:01/04/2021;33:KR ~31:10-2022-0039968 ~32:30/03/2022

2023/07825 ~ Complete ~54:COMPOUNDS, COMPOSITIONS, AND METHODS OF USING THEREOF ~71:ONCORUS, INC., 50 Hampshire St, Suite 401 Cambridge, Massachusetts 02139, United States of America ~72: CHRISTOPHE QUÉVA;JESSICA DETERLING;LORENA LERNER;QI-YING HU;SEAN ESSEX~ 33:US ~31:63/147,959 ~32:10/02/2021;33:US ~31:63/181,899 ~32:29/04/2021;33:US ~31:63/181,917 ~32:29/04/2021

2023/07821 ~ Complete ~54:CONCRETE VOID FORM AND METHOD OF MODULAR CONSTRUCTION THEREWITH ~71:ANC CAPITAL INC., 286 Mt. Pleasant Rd., Brantford, Ontario N3t 1V1, Canada ~72: NEILL, Andrew~ 33:US ~31:63/334,167 ~32:24/04/2022;33:US ~31:63/398,090 ~32:15/08/2022;33:US ~31:18/127,855 ~32:29/03/2023

2023/07810 ~ Complete ~54:LOW-PHYTIC-ACID TARTARY BUCKWHEAT NOODLES AND PREPARATION METHOD THEREOF ~71:Shanxi Institute for Functional Food, Shanxi Agricultural University, Building 15, No. 79, Longcheng Street, Xiaodian District, Taiyuan City, Shanxi Province, 030031, People's Republic of China ~72: LI, Min;LIANG, Xia;LIU, Chao;LU, Xin;MAO, Kai;MENG, Tingting;QIN, Yifan;SHI, Lei;TIAN, Ge;ZHOU, Bailing~

2023/07826 ~ Complete ~54:KETOHEXOKINASE (KHK) IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square,

Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;FREDERIC TREMBLAY;JAMES D MCININCH;LEILA NOETZLI;MARK K SCHLEGEL~ 33:US ~31:63/154,005 ~32:26/02/2021;33:US ~31:63/223,581 ~32:20/07/2021;33:US ~31:63/280,668 ~32:18/11/2021

2023/07833 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF NOVEL INJECTION ABIRATERONE DERIVATIVE ~71:TIANJIN HAIRUNJIAHE INNOVATIVE PHARMACEUTICAL RESEARCH LIMITED LIABILITY COMPANY, XEDA Sci-tech Park, Xiqing Economic Development Area, People's Republic of China ~72: HONG, Ge;LIU, Tianjun;RONG, Yumei;ZHU, Na~ 33:CN ~31:202110321653.X ~32:25/03/2021

2023/07817 ~ Complete ~54:SENSING SYSTEM, METHOD AND DEVICE FOR NON-INVASIVELY DETECTING CHRONIC KIDNEY DISEASE FROM EXHALED BREATH ~71:Dr. Kaustubh M Gaikwad, Sinhgad Academy of Engineering kondhwa, Pune, India, Danny Mehata Nagar, Kondhwa, Pune, MAHARASHTRA, 411048, India;Dr. Mousami V. Munot, Electronics and Telecommunication Engineering Department, SCTR's Pune Institute of Computer Technology, Survey No. 27, Near, Trimurti Chowk, Bharati Vidyapeeth Campus, Dhankawadi, Pune, MAHARASHTRA, 411043, India;Dr. Navaneeth Bhaskar, CSE (Data Science) Sahyadri College of Engineering and Management, Sahyadri Campus, Mangaluru, Adyar, Karnataka, Mangaluru, Karnataka, 575007, India;Dr. Sharad Tukaram Jadhav, Sharad Institute of Technology College of Engineering, Yadrav, Ichalkaranji, India, Gat No. 525, 473/A Yadrav, Kolhapur District, behind Omkareshwar Temple, Ichalkaranji, MAHARASHTRA, 416115, India;Dr. Vinayak Bairagi, AISSMS Institute of Information Technology, Kennedy Road, Near RTO, Pune, MAHARASHTRA, 411001, India ~72: Dr. Kaustubh M Gaikwad;Dr. Mousami V. Munot;Dr. Navaneeth Bhaskar;Dr. Sharad Tukaram Jadhav;Dr. Vinayak Bairagi~

2023/07818 ~ Complete ~54:A METHOD FOR IMPROVING THE QUALITY OF A CHROMIUM BRONZE CASTING THROUGH INVESTMENT CASTING ~71:HENAN KEFENG NEW MATERIAL CO., LTD., 91 Hehuan Street, Zhengzhou High-tech Development Zone, People's Republic of China ~72: DING, Yi;ZHANG, Guoshun;ZHANG, Yan~

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2023/07856 ~ Complete ~54:APPARATUS AND METHOD FOR EXFOLIATING GRAPHITE ~71:TMTP LABS, INC., 2000 Lakeshore Drive #7011, New Orleans, Louisiana, 70148, United States of America ~72: MATTHEW KELLY;SEANN ROBBINS;TIMOTHY RUSTINE~ 33:US ~31:63/184,176 ~32:04/05/2021

2023/07859 ~ Complete ~54:LATCHING SYSTEM FOR DIPPER ~71:CATERPILLAR GLOBAL MINING LLC, 875 W. Cushing Street, United States of America ~72: JAMILOSA, James G.~ 33:US ~31:17/173,241 ~32:11/02/2021

2023/07855 ~ Complete ~54:TASQUINIMOD OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF FOR USE IN THE TREATMENT OF MYELODYSPLASTIC SYNDROME ~71:ACTIVE BIOTECH AB, Scheelevägen 22 223 63 Lund, Sweden ~72: KATJA SOCKEL;MANJA WOBUS;MARTIN BORNHÄUSER~ 33:EP ~31:21152018.4 ~32:18/01/2021;33:EP ~31:21201509.3 ~32:07/10/2021;33:EP ~31:21205665.9 ~32:29/10/2021

2023/07860 ~ Complete ~54:PYRIMIDINE AROMATIC RING COMPOUNDS ~71:MEDSHINE DISCOVERY INC., Room 218, No. 9 Gaoxin Road,, People's Republic of China ~72: CHEN, Shuhui;GENG, Kaijun;LI, Zhixiang;WU, Wentao;XU, Yangyang;ZHANG, Yang~ 33:CN ~31:202110182357.6 ~32:09/02/2021;33:CN ~31:202110251656.0 ~32:08/03/2021;33:CN ~31:202110379326.X ~32:08/04/2021;33:CN ~31:202110485837.X ~32:30/04/2021;33:CN ~31:202110825879.3 ~32:21/07/2021;33:CN ~31:202110975205.1 ~32:24/08/2021;33:CN ~31:202111136266.5 ~32:27/09/2021;33:CN ~31:202111283561.3 ~32:01/11/2021;33:CN ~31:202210072243.0 ~32:21/01/2022;33:CN ~31:202210113080.6 ~32:29/01/2022

2023/07862 ~ Complete ~54:SOFT TISSUE IMPLANTS, INSTRUMENTATION, AND METHODS ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: ALLARD, Randy;DACOSTA, Albert;DEVASCONCELLOS, Paul;HARTSON, Kyle James;MAJORS, Benjamin~ 33:US ~31:63/140,596 ~32:22/01/2021

2023/07867 ~ Complete ~54:COMBINATION THERAPY COMPRISING JAK PATHWAY INHIBITOR AND ROCK INHIBITOR ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: PEEL, Michael;SMITH, Paul~ 33:US ~31:63/135,969 ~32:11/01/2021;33:US ~31:63/253,384 ~32:07/10/2021

2023/07863 ~ Complete ~54:LATERAL FLOW ASSAY FOR DETECTING PATHOGENS IN MILK FROM MASTITIC COWS ~71:Zoetis Services LLC, 10 Sylvan Way, PARSIPPANY 07054, NJ, USA, United States of America ~72: KENWORTHY, Amanda Faye;VELINENI, Sridhar~ 33:US ~31:63/157,179 ~32:05/03/2021

2023/07866 ~ Complete ~54:UV-CURABLE ETHYLENE SCAVENGING COMPOSITIONS ~71:Johnson Matthey Public Limited Company, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: CORNISH, Andrew~ 33:GB ~31:2105224.6 ~32:13/04/2021

2023/07840 ~ Complete ~54:SNOW STORAGE SYSTEM AND METHOD ~71:Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, No. 318, Donggang West Road, Chengguan District, People's Republic of China ~72: WANG, Fanglong;WANG, Feiteng;XU, Chunhai;ZHANG, Hui;ZHOU, Ping~ 33:CN ~31:2023106237202 ~32:30/05/2023

2023/07846 ~ Complete ~54:A DUAL-PURPOSE DEVICE FOR BOARDING AND DISEMBARKATION ~71:Jiangsu Hengshan Southern Cement Co.Ltd., No. 507, Hou Dongzhou, Dongzhou Village Committee, Hengshanqiao Town, Wujin District, Changzhou City, Jiangsu Province, 213119, People's Republic of China;Xuzhou Zhongkuang Langma Intelligent Technology Co.Ltd., No. 55, Jingshan Road, Xuzhou Economic and Technological Development Zone, Xuzhou City, Jiangsu Province, 221001, People's Republic of China ~72: Aimin LI;Baoming SHEN;Jie CUI;Shujun ZHANG;Tao LI~

2023/07849 ~ 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, People's Republic of China ~72: CHEN, Yong;LI, Ke~ 33:CN ~31:202222241538.4 ~32:24/08/2022

2023/07853 ~ Complete ~54:NOVEL CITRATE SYNTHASE VARIANT AND METHOD FOR PRODUCING O-ACETYL-L-HOMOSERINE OR L-METHIONINE USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: BAEK, Min Ji;CHANG, Jin Sook;CHO, Seung Hyun;KIM, Seo-Yun;LEE, Imsang;LEE, Jaemin~ 33:KR ~31:10-2021-0031643 ~32:10/03/2021

2023/07868 ~ Complete ~54:DRILL RIG ANCHORING DEVICES, SYSTEMS, AND METHODS ~71:LONGYEAR TM, INC., 2455 South 3600 West, United States of America ~72: CHRISTENSEN, Jay;FOSTER, Mark;GAGNE, Lee;KAUPPILA, Carl;KRUG, Scott~ 33:US ~31:63/154,353 ~32:26/02/2021

2023/07848 ~ Complete ~54:NOVEL CEMENT CLINKER CALCINER ~71:CBMI CONSTRUCTION CO., LTD., No. 7 Xingfu Road, Fengrun District, Tangshan City, People's Republic of China ~72: CAO, Xinming;DENG, Yuhua;SUN, Xuecheng;WANG, Guomin;WANG, Qiang;ZHANG, Chao;ZHANG, Haiping;ZHENG, Xianming~ 33:CN ~31:202210990114X ~32:17/08/2022

2023/07839 ~ Complete ~54:TORQUE LOADING TEST DEVICE FOR PLANETARY REDUCER OF A TUNNEL BORING MACHINE ~71:Zheng Zhou Research Institute of Mechanical Engineering CO.,LTD., No.149 Kexue

Avenue, Hi-Tech Industries Development Zone, Zhengzhou, Henan, 450001, People's Republic of China ~72: Bang Pei;Jiadong Zhao;Lubing Shi;Shidang Yan;Xiaokun Liu~ 33:CN ~31:2023107770247 ~32:28/06/2023

2023/07845 ~ Complete ~54:A RAW MATERIAL ADDING DEVICE FOR PREPARING CONCRETE BY VOLCANIC ASH AND A PREPARATION METHOD THEREOF ~71:Linyi University, Middle Section of Shuangling Road, School of Civil Engineering and Architecture, Linyi University, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: Keming Liu;Shiyin Mao;Xuewen Ma~

2023/07850 ~ Complete ~54:A COOLING STRUCTURE AND AN INVERTER ~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 ~31:202222241847.1 ~32:24/08/2022

2023/07852 ~ Complete ~54:A PHARMACEUTICAL MICRONUTRIENT COMPOSITION AND ITS USE TO SIMULTANEOUSLY INHIBIT MULTIPLE CELLULAR MECHANISMS OF INFECTIVITY CAUSED BY CORONAVIRUS, ITS VARIANTS AND MUTANTS ~71:RATH, Matthias, W., 2320 FRENCH ALPS AVENUE, HENDERSON, NV 89044, USA, United States of America ~72: GOC, Anna;IVANOV, Vadimo;NIEDZWIECKI, Aleksandra;RATH, Matthias, W.~ 33:US ~31:63/149,633 ~32:15/02/2021

2023/07857 ~ Complete ~54:TYK2 INHIBITORS AND USES THEREOF ~71:SUDO BIOSCIENCES LIMITED, 3rd Floor 1 Ashley Road, United Kingdom ~72: CHAUDHURI, Bhaskar;DIETSCH, Gregory;DURAISWAMY, Athisayamani Jeyaraj;KALVA, Sukesh;MANOJVEER, Seetharaman;PANDEY, Anjali;THAKKAR, Mahesh~ 33:US ~31:63/151,287 ~32:19/02/2021;33:US ~31:63/193,514 ~32:26/05/2021

2023/07837 ~ Provisional ~54:USER-CENTRIC DYNAMIC DATA PACKAGE SELECTION ~71:Matimba Shiviti, 1135 Francis Baard, South Africa ~72: Matimba Shiviti~

2023/07841 ~ Complete ~54:WHOLE-NUTRITION FOOD FORMULA SUITABLE FOR MALIGNANT TUMOUR PATIENTS AND PREPARATION METHOD THEREOF ~71:Harbin Medical University, No. 157, Health Care Road, Nangang District, Harbin City, Heilongjiang Province, 150086, People's Republic of China ~72: QI Xiaona;QI Xiaoqiang;YAO Qiang~

2023/07844 ~ Complete ~54:A UHPC BRIDGE BEAM SEGMENT DOCKING DEVICE AND CONSTRUCTION METHOD ~71:Linyi University, West Side of North Section of Industrial Avenue, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: Mengying Liu;Xinran Li;Xuejin Zhang;Zixin Lu~

2023/07835 ~ Provisional ~54:A SUPPORT ARRANGEMENT ~71:NELL, Johannes, 471 QUEENS CRESCENT, LYNNWOOD, PRETORIA, 0081, South Africa ~72: NELL, Johannes~

2023/07836 ~ Provisional ~54:ELECTROLYZER, SYSTEM AND METHOD FOR PRODUCING HYDROGEN GAS ~71:CRONJE, Jacobus, 6 Sandbaai Close, Langebaan 7357, SOUTH AFRICA, South Africa ~72: CRONJE, Jacobus~

2023/07842 ~ Complete ~54:CRUSHING AND FERMENTING DEVICE FOR FEED PROCESSING ~71:Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences, 23788 Gongye Bei Lu, Jinan City, Shandong Province, 250100, People's Republic of China ~72: HAO Lihong;HU Hongmei;WANG Cheng;WANG Huaizhong~

2023/07851 ~ Complete ~54:BISPECIFIC ANTIBODY ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No.369 Yuzhou South Rd, Lianyungang, People's Republic of China ~72: LI, Yimeng;SUN, Congcong;WANG, Liangliang;ZHANG, Zhengping;ZHAO, Rongjuan~ 33:CN ~31:202110178932.5 ~32:07/02/2021;33:CN ~31:202110937430.6 ~32:16/08/2021

2023/07854 ~ Complete ~54:A FIBER GRATING SENSOR FOR UNDERGROUND STRESS MONITORING ~71:HEBEI GEO UNIVERSITY, No. 136 Huai'an East Road, Shijiazhuang, Hebei, 050030, People's Republic of China ~72: LI, Mingliang;WANG, Guangxiang;WANG, Han;WANG, Yuan;WEN, Jihua;ZHENG, Yibo;ZHU, Yuehong~ 33:CN ~31:2021110331301 ~32:03/09/2021

2023/07858 ~ Complete ~54:RETAINER AND CORRESPONDING WEAR MEMBER ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: JURA, Jason Grant;SERRURIER, Douglas C.;SINN, Eric T.;WELLS, Corey Michael~ 33:US ~31:17/175,044 ~32:12/02/2021

2023/07861 ~ Complete ~54:OLIGONUCLEOTIDES ~71:Hudson Institute of Medical Research, 27-31 Wright Street, CLAYTON 3168, VIC, AUSTRALIA, Australia ~72: GANTIER, Michael Paul Marie~ 33:AU ~31:2021901027 ~32:08/04/2021;33:AU ~31:2021903431 ~32:27/10/2021

2023/07869 ~ Complete ~54:DEVICES, SYSTEMS, AND METHODS FOR RETRIEVING INNER TUBES ~71:LONGYEAR TM, INC., 2455 South 3600 West, United States of America ~72: KRUSE, Christof;PRINCE, Shaun Niel;UPMEIER, Thorsten~ 33:US ~31:63/159,241 ~32:10/03/2021

2023/07865 ~ Complete ~54:MONITORING GROUND ENGAGING PRODUCTS FOR EARTH WORKING EQUIPMENT ~71:ESCO Group LLC, 2141 NW 25th Avenue, PORTLAND 97210-2578, OR, USA, United States of America ~72: HYDE, Steven D.~ 33:US ~31:63/148,953 ~32:12/02/2021

2023/07843 ~ Complete ~54:LIGNOSULPHONATE PURIFICATION ~71:NORTH-WEST UNIVERSITY, 1 Hoffman Street, Joon van Rooy Building, South Africa ~72: MARX, Sanette;NAUDE, Leane;VENTER, Roelof Jacobus~ 33:GB ~31:2211729.5 ~32:11/08/2022

2023/07847 ~ Complete ~54:A SYSTEM FOR, AND A METHOD OF, ACQUIRING MOTOR VEHICLE INSURANCE AND/OR REPORTING A MOTOR VEHICLE ACCIDENT ~71:Flipware CC, 1292 Umlazi Are Road, South Africa ~72: Flipware CC~

2023/07864 ~ Complete ~54:A LAYERED DOUBLE HYDROXIDE, A PROCESS FOR THE SYNTHESIS AND USES THEREOF ~71:Universitat de València, Avda. Blasco Ibáñez, 13, VALÈNCIA 46010, SPAIN, Spain ~72: ABELLÁN SÁEZ, Gonzalo;CORONADO MIRALLES, Eugenio;OESTREICHER, Víctor;ROMERO PASCUAL, Jorge~ 33:EP ~31:21382113.5 ~32:12/02/2021

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2023/07871 ~ Provisional ~54:SWIMMING POOL AND CLEANERS ~71:Alan Brian PAUWELS, Plot 22, Danielsruss, Kromdraai, South Africa ~72: Alan Brian PAUWELS~

2023/07872 ~ Complete ~54:SYSTEM AND METHOD FOR PHYTOHORMONE EXTRACTION ~71:AFRIKELP (PTY) LTD, 3 ENGINE AVENUE, MONTAGUE GARDENS, CAPE TOWN, 7441, SOUTH AFRICA, South Africa ~72: HART, Nicole;MAJEKE, Bongo;NAICKER, Dunesha~ 33:ZA ~31:2022/12469 ~32:16/11/2022

2023/07881 ~ Complete ~54:WEAR ASSEMBLY ~71:ESCO Group LLC, 2141 NW 25th Avenue, PORTLAND 97210-2578, OR, USA, United States of America ~72: BEATLEY, Mark T.;BINGHAM, Bruce C.;BROCKMAN, Cornelius J.;HARDING, Darrin;ROSKA, Michael B.~ 33:US ~31:62/753,675 ~32:31/10/2018

2023/07897 ~ Complete ~54:SYSTEMS AND METHODS FOR LIQUID-MEDIATED DELIVERY OF POLLEN ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST LOUIS 63167, MO, USA, United States of America ~72: BORROWMAN, Eric L.;MORGENSTERN, David A.~ 33:US ~31:63/158,330 ~32:08/03/2021

2023/07874 ~ Complete ~54:METHOD FOR PREPARING AN ORGANIC FERTILIZER BY USING DISTILLER'S GRAIN WASTE LIQUID AND STRAW ~71:Moutai Institute, Luban Avenue, Renhuai City, Zunyi City, Guizhou Province, 564500, People's Republic of China ~72: LI, Baihan;WU, Ganghong;ZHENG, Yuxi~

2023/07889 ~ Complete ~54:METHODS OF USING ANTIBODIES RECOGNIZING TAU ~71:PROTHENA BIOSCIENCES LIMITED, 77 Sir John Rogerson's Quay, Block C, Grand Canal Docklands, Ireland ~72: DOLAN, Philip, James, III~ 33:US ~31:63/149,359 ~32:14/02/2021

2023/07892 ~ Complete ~54:MICROBIAL COMPOSITIONS FOR PRESERVING HEALTHY SOILS AND RESTORING DEGRADED SOILS ~71:LOCUS SOLUTIONS IPCO, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: FARMER, Sean;ZORNER, Paul~ 33:US ~31:63/161,154 ~32:15/03/2021

2023/07895 ~ Complete ~54:BLOCKCHAIN TREE STRUCTURE ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: PAGANI, Alessio;WRIGHT, Craig Steven~ 33:GB ~31:2101589.6 ~32:05/02/2021

2023/07870 ~ Provisional ~54:CAPACITOR PROTECTION DEVICE ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: BOTHA, Marius;OLWAGE, Phillip;SMITH, Ruan~

2023/07875 ~ Complete ~54:NOVEL DIGITAL FACTORY INTELLIGENT DETECTION INSPECTION SYSTEM ~71:NINGBO JINYU TECHNOLOGY INDUSTRY CO., LTD., No. 589, Yeshan Road, Yuyao City, Zhejiang Province, 315400, People's Republic of China ~72: CHENG, Zhixiang;FAN, Bin;HAN, Chongya;HUANG, Guojun;HUANG, Qiwen;LIN, Wanglei;LIU, Shasha;YU, Jianfeng;ZHOU, Dongmei;ZHOU, Jie~

2023/07879 ~ Complete ~54:HUMAN CYTOMEGALOVIRUS COMPRISING EXOGENOUS ANTIGENS ~71:Oregon Health & Science University, Office of Technology Transfer and Business Development, 0690 SW Bancroft Street, Mail Code L106TT, PORTLAND 97239, OR, USA, United States of America ~72: CAPOSIO, Patrizia;FRUEH, Klaus;HANSEN, Scott G.;NELSON, Jay;PICKER, Louis~ 33:US ~31:62/025,348 ~32:16/07/2014

2023/07886 ~ Complete ~54:A METHOD FOR SYNTHESIZING AND CHARACTERIZING DY3+ ACTIVATED SR2ZNSI2O7 PHOSPHORS ~71:Jagjeet Kaur, Govt. V.V.T. PG Autonomous College, Durg, Chhattisgarh, India;Neha Dubey, Govt. V.V.T. PG Autonomous College, Durg, Chhattisgarh, India;Siteshwari Chandrakar, Govt. V.V.T. PG Autonomous College, Durg, Chhattisgarh, India;Vikas Dubey, B.I.T., Raipur, Chhattisgarh, India ~72: Jagjeet Kaur;Neha Dubey;Siteshwari Chandrakar;Vikas Dubey~

2023/07891 ~ Complete ~54:A DEVICE FOR SHOWCASING GUIDANCE ON INNOVATIVE ENTREPRENEURSHIP ~71:Anhui Science And Technology University, No.9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: Cao Hao;Chen tao;Chen xuemin;Cheng Bin;Jiao xuesong;Tong yuke;Zheng yulian~ 33:CN ~31:PCT/CN2023/101951 ~32:21/06/2023

2023/07899 ~ Complete ~54:CENTRIFUGAL PUMP, PAINT SPRAY DEVICE FOR MACHINING OF SAME CENTRIFUGAL PUMP AND USE METHOD OF SAME PAINT SPRAY DEVICE ~71:ANHUI WOLONG PUMP & VALVE CO., LTD, No. 49 Yanling Road, Maolin Town, Jing County, Xuancheng City, People's Republic of China ~72: CHENG, Zhiqiang;FENG, Qi;HE, Jianjun;MEI, Jianfeng;MEI, Yitao;WANG, Weilong;ZHANG, Xiao;ZHONG, Guosheng~ 33:CN ~31:202210613999.1 ~32:01/06/2022

2023/07878 ~ Complete ~54:THREE-DIMENSIONAL MODEL REPRESENTATION DEVICE ~71:CHINA CONSTRUCTION FIRST GROUP CORPORATION LIMITED, No.52, West Fourth Ring Road S, Fengtai District, Beijing, 100161, People's Republic of China;CHINA CONSTRUCTION FIRST GROUP THE FIFTH

CONSTRUCTION CO., LTD., Yard 1, Dingfuzhuang Beili, Chaoyang District, Beijing, 100020, People's Republic of China ~72: BIAO LEI;DAOWEI JIAO;HAO ZHENG;JIAHUI FAN;JIAYIN LIU;LEI QIAO;MINGYUE QIU;PINRAN ZHAO;QIANG ZHEN;XIAOQING YU;XINMIN WANG;YU LIU~ 33:CN ~31:202210980538.8 ~32:16/08/2022

2023/07873 ~ Complete ~54:AGING-STRENGTHENED CU-CR-NB-MG ALLOY AND PREPARATION METHOD THEREFOR ~71:CHINA COPPER HUAZHONG COPPER CO., LTD., Lujiapu, Xialu District, Huangshi City, Hubei Province, 435004, People's Republic of China ~72: LIU, Min;MA, Lingzhi;PAN, Fei;WANG, Yuming;ZHAO, Jian;ZHAO, Zhiyong~

2023/07876 ~ Complete ~54:A CONSTRUCTION WASTE AND SLAG MICRO-POWDER PREFABRICATED COMPONENT AND A MANUFACTURING METHOD THEREOF ~71:Chengdu Polytechnic, No. 83, Tianyi Street, High-tech Development Zone, Chengdu City, Sichuan Province, 610041, People's Republic of China ~72: Chunhong Zhang;Lin Feng;Min Yang;Qiuling Chen;Yuan Zhou;Yuntian Wang;Yushu Li~

2023/07882 ~ Complete ~54:A MEAL SUBSTITUTE POWDER WITH HYPOGLYCEMIC FUNCTION AND ITS PREPARATION METHOD ~71:SHAANXI UNIVERSITY OF TECHNOLOGY, Xixian Financial Port, Fengdong New City, Xixian New Area, People's Republic of China;XIXIAN NEW AREA KANGTAILAI TECHNOLOGY PARTNERSHIP CORPORATION (LIMITED PARTNERSHIP), Xixian Financial Port, Fengdong New City, Xixian New Area, People's Republic of China ~72: CHEN, Simin;JIANG, Mengqiu;QI, Shanshan;ZHENG, Hongxing~

2023/07884 ~ Complete ~54:A SYSTEM AND METHOD FOR SYNTHESIZING GLASS AND ANALYZING EFFECT OF METAL OXIDE ON GLASS ~71:Aninda Das, Department of Mechanical Engineering, Regent Education and research foundation group of institutions. Bara kanthalia, Barrackpore, Kolkata, West Bengal, 700121, India;Banarsi Pandey, Assistant Professor, Department of Mechanical Engineering, Regent Education and Research Foundation Group of Institutions, Bara kanthalia, Barrackpore, Kolkata, Dist:- North 24 parganas, West Bengal, 700121, India;Chakit Samanta, Department of Mechanical Engineering, Camellia Institute of Technology, Digberia, Badu Road, Madhyamgram, Kolkata, West Bengal, 700129, India;Dr Dipankar Biswas, Department of Electronics and Communication Engineering, Institute of Engineering and Technology, GLA University, Mathura, UP 281406, India;Dr. Loitongbam Surajkumar Singh, Department of Electronics and Communication Engineering, National Institute of Technology Manipur. Langol, Imphal, 795004, India;Dr. Sonjoy Mondal, Department of Physics, Sidho-Kanho-Birsha University, Dist.: Purulia, West Bengal, 7312104, India;Parimal Tudu, Department of Physics Sidho-Kanho-Birsha University, Dist.: Purulia, West Bengal, 7312104, India;Pramod Kumar, The ICFAI University, Department of Mechanical Engineering(FST), Plot.No.2065, Daladali Chowk, Simalia,Near Ring Road, Ranchi, Jharkhand, 835222, India;Puspendu Chandra Chandra, Department of Mechanical Engineering, Regent Education and Research Foundation. Bara Kanthalia, Barrackpore. Dist: North 24 Pargana. Kolkata, West Bengal, 700121, India;Sourav Patra, Department of Mechanical Engineering, Regent Institute of Science & Technology, Sewli – Telinipara, Barrackpore, Kolkata, 700121, India ~72: Aninda Das;Banarsi Pandey;Chakit Samanta;Dr Dipankar Biswas;Dr. Loitongbam Surajkumar Singh;Dr. Sonjoy Mondal;Parimal Tudu;Pramod Kumar;Puspendu Chandra Chandra;Sourav Patra~

2023/07887 ~ Complete ~54:BIONIC PHOTON SKIN ~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~

2023/07890 ~ Complete ~54:INJECTABLE HYDROGEL, PREPARATION METHOD THEREOF, AND APPLICATION THEREOF AS SUBMUCOSAL INJECTION SOLUTION IN ENDOSCOPIC AUXILIARY TREATMENT ~71:JIANGSU YANGTZE RIVER MEDICAL TECHNOLOGY CORP., West Half Of The First And

Second Floors, Building 0020, 12 Xinglin Road, Taizhou, Jiangsu, 225300, People's Republic of China ~72: TANG, Chuanfei;XU, Haoyu;ZHANG, Feng~

2023/07893 ~ Complete ~54:PREPARATION METHOD FOR IOVERSOL HYDROLYSATE ~71:ANQING ROUNDCARE PHARMACEUTICAL CO., LTD, Room 301, Building 8 High-tech Zone Management Committee, Daguan District Anqing, Anhui, 246005, People's Republic of China ~72: FEI LU;JIAN ZHANG;JIANJUN GU;JINGWEI RAO;LI LIN;YANYANG SHEN;YONGLI YUE~ 33:CN ~31:202210049754.0 ~32:17/01/2022

2023/07896 ~ Complete ~54:SELECTIVE ESTROGEN RECEPTOR DEGRADERS ~71:Eli Lilly and Company, LILLY CORPORATE CENTER, INDIANAPOLIS 46285, IN, USA, United States of America ~72: CASSIDY, Kenneth Charles;KATYAYAN, Kishore Kumar~ 33:US ~31:63/161,531 ~32:16/03/2021

2023/07900 ~ Complete ~54:TYK2 INHIBITORS AND USES THEREOF ~71:SUDO BIOSCIENCES LIMITED, 3rd Floor 1 Ashley Road, United Kingdom ~72: CHAUDHURI, Bhaskar;DIETSCH, Gregory;DURAISWAMY, Athisayamani Jeyaraj;KALVA, Sukesh;MANOJVEER, Seetharaman;PANDEY, Anjali;THAKKAR, Mahesh~ 33:US ~31:63/151,287 ~32:19/02/2021;33:US ~31:63/193,511 ~32:26/05/2021;33:US ~31:63/234,934 ~32:19/08/2021;33:US ~31:63/291,222 ~32:17/12/2021

2023/07877 ~ Complete ~54:INTELLIGENT MONITORING MANAGEMENT REMINDING SYSTEM AND METHOD AFTER THYROIDECTOMY ~71:Shandong Normal University, 1 University Road, University Science Park, Changqing District, Jinan City, Shandong Province, 250358, People's Republic of China ~72: Yulin Xie~

2023/07880 ~ Complete ~54:HUMAN CYTOMEGALOVIRUS COMPRISING EXOGENOUS ANTIGENS ~71:Oregon Health & Science University, Office of Technology Transfer and Business Development, 0690 SW Bancroft Street, Mail Code L106TT, PORTLAND 97239, OR, USA, United States of America ~72: CAPOSIO, Patrizia;FRUEH, Klaus;HANSEN, Scott G.;NELSON, Jay;PICKER, Louis~ 33:US ~31:62/025,348 ~32:16/07/2014

2023/07883 ~ Complete ~54:COMPOSITION, METHOD AND SYSTEM TO SYNTHESIZE AND CHARACTERIZE POST-METALLOCENE TITANIUM COMPLEXES OF BIDENTATE DICARBOXYLIC ACIDS ~71:Dr. Deepal Agrawal, Flat No. 103, Yukti Apartment, Near Lokhandwala Complex, Bangali Square, Indore, 452016, India;Dr. Nitish Kumar Gupta, Department of Chemistry, Shri G.S. Institute of Technology and Science, 23 Park Road, Indore, Madhyapradesh, 452003, India ~72: Dr. Deepal Agrawal;Dr. Nitish Kumar Gupta~

2023/07894 ~ Complete ~54:COMPOUND FOR DEGRADING DEOXYRIBONUCLEIC ACID (DNA) POLYMERASE, AND USE THEREOF ~71:TAIBIDI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD., Room 2209, Building 2, No. 136, Huanghe Avenue, High-tech Zone Shijiazhuang, Hebei, 050035, People's Republic of China ~72: FEI QI;FENGMIN LU;JINXU WANG;MINGJIE BAI;TIANLE WEN;XIANGDONG SU~ 33:CN ~31:202110094088.8 ~32:22/01/2021;33:CN ~31:202210064310.4 ~32:20/01/2022

2023/07898 ~ Complete ~54:INSTALLATION OF REPEATERS FOR A MILLIMETER WAVE COMMUNICATIONS NETWORK ~71:Pivotal Commware, Inc., 10801 120th Avenue NE #200, KIRKLAND 98033, WA, USA, United States of America ~72: CAVCIC, Mersad;DEUTSCH, Brian Mark;LALWANI, Sameer;MILLS, Brett Daniel~ 33:US ~31:63/138,306 ~32:15/01/2021;33:US ~31:17/576,832 ~32:14/01/2022

2023/07885 ~ Complete ~54:A METHOD AND SYSTEM FOR GENERATING GOOD QUALITY IMAGES FROM DEGRADED HAZY IMAGES ~71:Dr. Kalimuddin Mondal, Assistant Professor, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Saveetha Nagar, Thandalam, Chennai, 602105, India;Dr. Rajdeep Dasgupta, Associate Professor, Department of Electronics and Instrumentation Engineering, National Institute of Technology Silchar, Silchar, Assam, 788010, India;Dr. Sudarsan Sahoo, Assistant Professor,

Department of Electronics and Instrumentation Engineering, National Institute of Technology Silchar, Silchar, Assam, 788010, India ~72: Dr. Kalimuddin Mondal;Dr. Rajdeep Dasgupta;Dr. Sudarsan Sahoo~

2023/07888 ~ Complete ~54:GENETICALLY MODIFIED MICE COMPRISING HUMANIZED CELLULAR IMMUNE SYSTEM COMPONENTS WITH IMPROVED DIVERSITY OF TCRB REPERTOIRE ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: GUO, Chunguang;MURPHY, Andrew, J.;TU, Naxin~ 33:US ~31:63/168,774 ~32:31/03/2021

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2023/07906 ~ Complete ~54:FIXATOR FOR FREEZING AND SAMPLING LUNG TISSUE ~71:Central People's Hospital of Zhanjiang, No. 236, Yuanzhu Road, Chikan District, Zhanjiang City, Guangdong Province, 524033, People's Republic of China ~72: CAI, Wenping;JIN, Shan;PANG, Lijuan;WANG, Jilin;YAO, Yunqing~ 33:CN ~31:202222141315.0 ~32:15/08/2022

2023/07911 ~ Complete ~54:CONFIGURATION SYSTEM FOR GREEN ENERGY AGRICULTURAL PARK ~71:Season Agricultural Technology Co., Ltd., No. 161-1, Erjia, Guiren District, TAINAN CITY 711011 , TAIWAN (R.O.C.), Taiwan, Province of China ~72: YANG, Ching-Chieh~

2023/07914 ~ Complete ~54:NEW VIRUS PARTICLES FOR THERAPEUTIC PURPOSES ~71:ABALOS THERAPEUTICS GMBH, Merowingerplatz 1A, Germany ~72: KOSTKA, Marcus;LANG, Philipp;VOLLMER, Joerg;XU, Haifeng~ 33:EP ~31:21159746.3 ~32:26/02/2021

2023/07920 ~ Complete ~54:NOVEL ANTI-STALING ENZYME, AND METHODS, DOUGHS AND BAKED FOOD PRODUCTS RELATING THERETO ~71:COÖPERATIE KONINKLIJKE AVEBE U.A., Prins Hendrikplein 20, Netherlands ~72: DUISTERWINKEL, Wouter Jan;LEEMHUIS, Reinder Johannes~ 33:EP ~31:21154734.4 ~32:02/02/2021

2023/07901 ~ Provisional ~54:SELF-LOCKING RE-USABLE - PLUMBING CONNECTOR. ~71:Hendrik Jakobus van Wyk, 3 Ashford Crescent, Brookside Village, South Africa ~72: Hendrik Jakobus van Wyk~

2023/07942 ~ Complete ~54:FIBER-REINFORCED COMPOSITE MATERIAL AND METHOD AND PLANT FOR THE PRODUCTION THEREOF ~71:SAATI S.P.A., Via Milano, 14, Appiano Gentile, Italy ~72: CANONICO, Paolo;DELLA VEDOVA, Thomas;LUCIGNANO, Carmine;MERLETTI, Franco~ 33:IT ~31:102021000005618 ~32:10/03/2021

2023/07918 ~ Complete ~54:SMALL MOLECULE ACTIVATORS OF YAP TRANSCRIPTIONAL ACTIVITY FOR REGENERATIVE ORGAN REPAIR ~71:THE SCRIPPS RESEARCH INSTITUTE, 10550 North Torrey Pines Road, La Jolla, California, 92037, United States of America ~72: ARNAB K CHATTERJEE;EDYTA M GRZELAK;ELSHAN NAKATH G. RALALAGE;MICHAEL J BOLLONG;PENG-YU YANG;PETER G SCHULTZ;WEIJUN SHEN~ 33:US ~31:63/148,868 ~32:12/02/2021

2023/07943 ~ Complete ~54:STAB PROOF MATERIAL IN ROLL FORM, METHOD AND PLANT FOR THE PRODUTION THEREOF ~71:SAATI S.P.A., Via Milano, 14, Appiano Gentile, Italy ~72: CANONICO, Paolo;DELLA VEDOVA, Thomas;LUCIGNANO, Carmine;MERLETTI, Franco~ 33:IT ~31:102021000005624 ~32:10/03/2021

2023/07902 ~ Provisional ~54:SELF REGULATING REACTOR ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2023/07907 ~ Complete ~54:LIGHTING ANGLE MEASUREMENT DEVICE FOR PHOTOVOLTAIC MODULES USED IN PHOTOVOLTAIC POWER GENERATION ~71:Xi'an Jinshan Yinshan Technology Co., Ltd., Room

1F306, Room C0101, Building 1, Chuangye Plaza, No. 48 Keji Road, High tech Zone, Xi'an City, Shaanxi Province, 710075, People's Republic of China ~72: SUN Youreng;TANG Xiao;ZHANG Jieyu~

2023/07917 ~ Complete ~54:TLR7 AND TLR8 AGONISTS FOR THE TREATMENT OF CANCER AND/OR INFECTIOUS DISEASES ~71:THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, 35 State Street, Albany, New York, 12207, United States of America ~72: EMMANUEL OLAWODE;LAWRENCE NATHAN TUMEY~ 33:US ~31:63/155,489 ~32:02/03/2021

2023/07924 ~ Provisional ~54:SLURRY PROCESSING COMPONENTS FABRICATED FROM FIBROUS COMPOSITE MATERIALS ~71:Leon Harmsen, 18 Trevor Street,, South Africa ~72: Leon Harmsen~

2023/07909 ~ Complete ~54:SHOTCRETE TRUCK FOR PRELIMINARY TUNNEL CONSTRUCTION ~71:China Railway Seventh Bureau Group Co., Ltd, No. 1225 Hanghai East Road, Zhengzhou City, Henan, People's Republic of China;China Railway Seventh Bureau Group Third Engineering Co., Ltd, Shop 10401, Building 10, Beiyuan, West Bund International Garden, No. 2899, Guang 'an Road, Chanba Ecological District, Xi 'an, Shaanxi, People's Republic of China ~72: Chao Ma;Chao Wang;Heng Wang;Junqiang Yang;Mingjun Gao;Ning Li;Shunyan Li;Yuxiang Chen;Zhigang Gao;Zhiqiang Gou~

2023/07913 ~ Complete ~54:DEVICES FOR COLLECTING GAS AND WATER OF A WILD HOT SPRING ~71:CHINA UNIVERSITY OF GEOSCIENCES (BEIJING), 29 Xueyuan Road, Haidian District, People's Republic of China ~72: NIU, Jialiang;ZHANG, Jinchuan~ 33:CN ~31:202310209094.2 ~32:27/02/2023

2023/07921 ~ Complete ~54:COMBINATION OF RAF INHIBITOR AND MEK INHIBITOR ~71:DAY ONE BIOPHARMACEUTICALS, INC., 395 Oyster Point Blvd., Suite 217, United States of America ~72: BLACKMAN, Samuel C.;VENETSANAKOS, Eleni~ 33:US ~31:63/151,425 ~32:19/02/2021;33:US ~31:63/173,158 ~32:09/04/2021

2023/07925 ~ Provisional ~54:FOB CONTROL CONVERSION SYSTEM FCCS ~71:REDPRO Global (Pty) Ltd, 36 Alkantrant Road, Lynnwood Corporate PArk, South Africa ~72: Daniël Gerhardus Claassen~

2023/07912 ~ Complete ~54:NOVEL ANTI-LAM AND ANTI-PIM6/LAM MONOCLONAL ANTIBODIES FOR DIAGNOSIS AND TREATMENT OF MYCOBACTERIUM TUBERCULOSIS INFECTIONS ~71:RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, Old Queen's Somerset Street, New Brunswick, New Jersey, 08901, United States of America ~72: ABRAHAM PINTER;ALOK CHOUDHARY~ 33:US ~31:62/293,406 ~32:10/02/2016

2023/07916 ~ Complete ~54:FORMULATION OF FUSION PROTEIN INCLUDING EXTRACELLULAR DOMAIN OF ALPHA SUBUNIT OF IGE FC RECEPTOR ~71:GI INNOVATION, INC., #A-1116, 167, Songpa-daero Songpa-gu, Seoul, 05855, Republic of Korea ~72: MYUNG HO JANG;SOONTAK KWON;YOUNG-GYU CHO~ 33:KR ~31:10-2021-0030501 ~32:09/03/2021

2023/07904 ~ Provisional ~54:CUTTING DEVICE ~71:Proshield United (Pty) Ltd, 327 Johan Rissik Drive, Waterkloof Ridge, South Africa ~72: HAJIPETROU, Georgios Christodouloy~

2023/07922 ~ Complete ~54:METHOD OF GENERATING ELECTRICAL ENERGY BY IMPACTING PIEZOELECTRIC ELEMENT ~71:AKINBI, Adebayo, Block 49 Flat 6, Ijaiye Housing Estate, Agege Lagos, 100283, Nigeria ~72: AKINBI, Adebayo~

2023/07923 ~ Provisional ~54:EZ KART ~71:MICHAEL NOEL LOUBSER, 66 DEBENGENI RD WATERFALL, LINKHILLS, South Africa ~72: MICHAEL NOEL LOUBSER ~

2023/07903 ~ Provisional ~54:METHOD OF MAKING A BARRIER MATERIAL ~71:SINOVILLE OMHEININGS (PTY) LTD, Stand 81, Willem Cruywagen Avenue, Klerksoord, PRETORIA 0020, SOUTH AFRICA, South Africa ~72: DE LA ROSA, Clarence William Fransisco;STOFBERG, Arnoldus Herman~

2023/07905 ~ Complete ~54:FOLDING TABLE ~71:Ningbo Tenghao Outdoor Co., Ltd., No. 69 Tangxia, Xiangshi Village, Xidian Town, Ninghai County, Ningbo, Zhejiang, 315000, People's Republic of China ~72: Liang SUN~ 33:CN ~31:202210988588.0 ~32:17/08/2022

2023/07908 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE SPRAY FORMULATION FOR TREATING BURNS AND SCALDS ~71:Shilai Liang, No.94, Xinjian Village, Jintai District, Baoji, Shaanxi, People's Republic of China ~72: Leixin Liang;Shilai Liang~ 33:CN ~31:202211574714.4 ~32:08/12/2022

2023/07910 ~ Complete ~54:SURFACE WATER DISASTER PREVENTION AND CONTROL METHOD AND SYSTEM FOR STEEP COAL SEAM DURING MINING ~71:Liupanshui Normal University, 288 Minghu Road, Zhongshan District, Liupanshui City, Guizhou Province, 553004, People's Republic of China ~72: GAO, Ying;HUANG, Mingda;LI, Tao;SHI, Wenbing;SUN, Kui;YANG, Junwei;ZHAN, Kaiyu;ZHANG, Peng~ 33:CN ~31:2023108864523 ~32:19/07/2023

2023/07915 ~ Complete ~54:INCRETIN ANALOG-CONTAINING COMPOSITIONS AND USES THEREOF ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: GOPALRATHNAM, Ganapathy;MINIE, Christopher Sears~ 33:US ~31:63/164,702 ~32:23/03/2021

2023/07919 ~ Complete ~54:HAIR TREATMENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: COLIN CHRISTOPHER DAVID GILES;GLYN ROBERTS;LUISA ZOE COLLINS;RONGRONG ZHOU~ 33:EP ~31:21167441.1 ~32:08/04/2021

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2023/07926 ~ Provisional ~54:FIREARMS TRACKING AND FIRING PIN JAMMING DEVICE. ~71:wayne erasmus, 195 10th Avenue, South Africa ~72: Wayne Erasmus~

2023/07940 ~ Complete ~54:CONJUGATES OF AN IL-2 MOIETY AND A POLYMER ~71:Nektar Therapeutics, 455 Mission Bay Boulevard, South, Suite 100, SAN FRANCISCO 94158, CA, USA, United States of America ~72: ALI, Cherie F.;BOSSARD, Mary J.;CHARYCH, Deborah H.;LIU, Xiaofeng;WANG, Yujun~ 33:US ~31:61/413,236 ~32:12/11/2010

2023/07950 ~ Complete ~54:BRANCHED PRIMARY ALKYL AMINES AS ADDITIVES FOR GASOLINE FUELS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: CSIHONY, Szilard;HANSCH, Markus;LOHMANN, Mathias;MEZGER, Jochen;WALTER, Marc~ 33:EP ~31:21153753.5 ~32:27/01/2021

2023/07958 ~ Complete ~54:CONTINUOUS METHOD FOR OBTAINING 2-ETHYLHEXYL ACRYLATE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: DE RUITER, Cornelis, Hendricus;HECHLER, Claus;HERBRECHT, Dominik (Deceased);KRAMP, Marvin;LANG, Ortmund~ 33:EP ~31:21153162.9 ~32:25/01/2021

2023/07964 ~ Complete ~54:RESTRICTION OF NUMBER OF PSCELLS IN MHI REPORT ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: BIN REDHWAN, Sakib;CENTONZA, Angelo;MULLER, Julien;PARICHEHREHTEROUJENI, Ali;RAMACHANDRA, Pradeepa;ZETTERBERG, Kristina~ 33:US ~31:63/168,600 ~32:31/03/2021

2023/07970 ~ Complete ~54:COMPOUNDS FOR USE IN THE TREATMENT AND PREVENTION OF COVID- 19 ~71:JÄGER, Walter, Sumer Siedlung 27, PRESSBAUM 3021, AUSTRIA, Austria;SZEKERES, Thomas, Schottengasse 3/1/25, WIEN 1010, AUSTRIA, Austria ~72: JÄGER, Walter;SZEKERES, Thomas~ 33:EP ~31:21164852.2 ~32:25/03/2021;33:EP ~31:21164854.8 ~32:25/03/2021

2023/07941 ~ Complete ~54:SUPPORT METHOD FOR TBM-BASED LARGE-SECTION ROADWAY EXCAVATION ENCOUNTERING WATER-CONDUCTING FISSURE ZONE ~71:TIBET JULONG COPPER CO., LTD., No. 28, Gongka Town, Mozhugongka County, Lhasa, People's Republic of China;UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING, No. 30 Xueyuan Road, Haidian District, People's Republic of China ~72: BAI, Xingtao;CAO, Shuai;CHEN, Caixian;HAN, Chengbin;LIN, Decai;LIN, Kaisen;SHA, Xianwu;WANG, Song;WANG, Yongwei;WANG, Zhiyong;ZENG, Qinglin;ZHAO, Ziyue;ZHONG, Rubiao;ZHOU, Jian~ 33:CN ~31:202310766608.4 ~32:27/06/2023

2023/07947 ~ Complete ~54:USE OF PROTOPORPHYRINOGEN OXIDASE ~71:BEIJING DABEINONG BIOTECHNOLOGY CO., LTD., 1st Floor, No.2 Building, Yard 19, Chengwan Street, People's Republic of China ~72: BAO, Xiaoming;SONG, Qingfang;TAO, Qing;XIAO, Xiang;YU, Caihong~ 33:CN ~31:202110514749.8 ~32:12/05/2021

2023/07953 ~ Complete ~54:DIAMINOTRIAZINE COMPOUNDS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: GEERDINK, Danny;HARTMUELLER, Martin;LANGE, Sandra;LOPEZ CARRILLO, Veronica;NEWTON, Trevor, William;PETKOVA, Desislava, Slavcheva;RACK, Michael;SEITZ, Thomas;WITSCHEL, Matthias;ZIERKE, Thomas~ 33:EP ~31:21153660.2 ~32:27/01/2021

2023/07957 ~ Complete ~54:METHOD FOR PREPARING AN ENANTIOMERICALLY ENRICHED FORM OF 2-[2-(2-CHLOROTHIAZOL-5-YL)-2-HYDROXY-ETHYL]SULFANYL-6-HYDROXY-3-METHYL-5-PHENYL-PYRIMIDIN-4-ONE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: GARIVET, Guillaume, Michel, Jacques;GOETZ, Roland;KADUSKAR, Rahul;KORADIN, Christopher;MCLAUGHLIN, Martin, John;SHINDE, Harish~ 33:EP ~31:21153034.0 ~32:22/01/2021

2023/07962 ~ Complete ~54:COMBINATION OF MASKED CTLA4 AND PD1/PDL1 ANTIBODIES FOR TREATING CANCER ~71:XILIO DEVELOPMENT, INC., 828 Winter Street, Waltham, Massachusetts, 02451, United States of America ~72: JENNIFER O'NEIL;UGUR ESKIOCAK~ 33:US ~31:63/155,168 ~32:01/03/2021

2023/07951 ~ Complete ~54:MEASUREMENT GAPS FOR SYNCHRONIZATION SIGNAL BLOCK MEASUREMENT TIME CONFIGURATION WINDOWS IN NON-TERRESTRIAL NETWORKS ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: EULER, Sebastian;HE, Chao;MÄÄTTANEN, Helka-Liina;RUNE, Johan;YAVUZ, Emre~ 33:US ~31:63/141,207 ~32:25/01/2021

2023/07955 ~ Complete ~54:METHOD FOR PREPARING AN ENANTIOMERICALLY ENRICHED FORM OF 3-(2-CHLOROTHIAZOL-5-YL)-8-METHYL-7-OXO-6-PHENYL-2,3-DIHYDROTHIAZOLO[3,2-A]PYRIMIDIN-4-IUM-5-OLATE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: GOETZ, Roland;KADUSKAR, Rahul;KORADIN, Christopher;MCLAUGHLIN, Martin, John;SHINDE, Harish~ 33:EP ~31:21153038.1 ~32:22/01/2021

2023/07929 ~ Provisional ~54:MAGEU RECIPE ~71:ROMARIO DIOGO MAHITE, 462 GCALEKA STREET MATHOLESVILLE, South Africa ~72: ROMARIO DIOGO MAHITE~

2023/07938 ~ Complete ~54:PERFUSION BIOREACTOR WITH FILTRATION SYSTEMS ~71:GENZYME CORPORATION, 50 Binney Street, Cambridge, MA, United States of America ~72: CHEN, Kevin, Victor;LU, Jiuyi;WALTHER, Jason;WANG, Jonathan~ 33:US ~31:62/667,319 ~32:04/05/2018

2023/07963 ~ Complete ~54:EDTA AND EGTA FOR USE IN PRESERVING THE INTEGRITY OF THERAPEUTIC COMPOUNDS ~71:AXCESS (UK) LTD, 8 MANOR HOUSE CI, MAGHULL, LIVERPOOL L31 7BX, UNITED KINGDOM, United Kingdom ~72: NEW, Roger R.C.;TRAVERS, Glen~ 33:AU ~31:2021900145 ~32:22/01/2021

2023/07968 ~ Complete ~54:PESTICIDAL FORMULATIONS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: MILN, Colin Douglas;VARSHNEY, Manoj;WILLIARD, Elizabeth Gray~ 33:EP ~31:21160052.3 ~32:01/03/2021

2023/07972 ~ Complete ~54:APPLICATION OF STEM CELL-DERIVED EXOSOMES IN THE PREPARATION OF DRUGS FOR THE TREATMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE ~71:THE FIRST AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU RESPIRATORY CENTER), 51 Yanjiang West Road, Yuexue District Guangzhou, People's Republic of China ~72: BAI, Ge;KONG, Panyue;RAN, Pixin;SUN, Ruiting;WANG, Hua;WU, Zuze;YANG, Yuefeng;ZHOU, Yumin~ 33:CN ~31:202110551341.8 ~32:20/05/2021

2023/07946 ~ Complete ~54:PRIMER-PROBE COMPOSITION, KIT, AND DETECTION METHOD ~71:ASCENTAWITS PHARMACEUTICALS, LTD., Room 1003, 10th Floor, Building 10, Biomedical Innovation Industrial Park, No.14 Jinhui Road, People's Republic of China ~72: HAO, Jing;LIU, Nan;WANG, Ning;XIE, Yanbin~

2023/07969 ~ Complete ~54:GLUCOCORTICOID RECEPTOR AGONISTS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: AHMED, Adel Ahmed Rashad;CLAYTON, Joshua Ryan;LOPEZ, Jose Eduardo;MCMILLEN, William Thomas;STITES, Ryan Edward;WILSON, Takako;WURST, Jacqueline Mary~ 33:US ~31:63/164,613 ~32:23/03/2021;33:US ~31:63/260,451 ~32:20/08/2021

2023/07956 ~ Complete ~54:DIAMINOTRIAZINE COMPOUNDS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: GEERDINK, Danny;HARTMUELLER, Martin;LANGE, Sandra;LOPEZ CARRILLO, Veronica;NEWTON, Trevor, William;PETKOVA, Desislava, Slavcheva;RACK, Michael;SEITZ, Thomas;WITSCHEL, Matthias~ 33:EP ~31:21153657.8 ~32:27/01/2021

2023/07933 ~ Complete ~54:SPECIAL LONG-ACTING FERTILIZER FOR IMPROVING SALT TOLERANCE OF CROPS IN SALINE-ALKALI LAND AND PREPARATION METHOD THEREOF ~71:DONGYING CITY YIBANG AGRICULTURAL TECHNOLOGY DEVELOPMENT CO., LTD, NO. 3, XIWEI SECOND ROAD, People's Republic of China ~72: CAO, Runze;JI, Zengcheng;LIU, Xiaotao;WANG, Shasha;WEI, Bo;WEN, Huajun;ZHANG, Jia;ZHANG, Jing;ZHANG, Maolin;ZHOU, Hong~

2023/07936 ~ Complete ~54:STATIC PERFORMANCE TEST SYSTEM FOR RUBBER VIBRATION ISOLATOR ~71:No. 719 Research Institute of China State Shipbuilding Corporation Limited, No. 19, Yangqiaohu Avenue, Canglong Island Development Zone, Jiangxia District, Wuhan City, Hubei Province 430205, People's Republic of China ~72: JIANG Shiliang;TIAN Mengnan;WANG Shuai;XU Yingzhe;ZHAO Bo~

2023/07959 ~ Complete ~54:ACCESS AND MOBILITY POLICY CONTROL ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: FERNANDEZ ALONSO, Susana;GARCIA AZORERO, Fuencisla;PANCORBO MARCOS, Maria Belen~ 33:EP ~31:21382132.5 ~32:18/02/2021

2023/07961 ~ Complete ~54:GENE SILENCING ~71:EPSILEN BIO S.R.L., Via Vincenzo Gioberti, 8, 20123, Milan, Italy ~72: ALICE RESCHIGNA;ANGELO LEONE LOMBARDO;TANIA BACCEGA~ 33:EP ~31:21154639.5 ~32:01/02/2021

2023/07939 ~ Complete ~54:DOUBLE-SIDED BEVELING DEVICE FOR STEEL PLATES ~71:China Railway Seventh Bureau Group Co., Ltd, No. 1225 Hanghai East Road, Zhengzhou City, Henan, People's Republic of China;China Railway Seventh Bureau Group Third Engineering Co., Ltd, Shop 10401, Building 10, Beiyuan, West Bund International Garden, No. 2899, Guang 'an Road, Chanba Ecological District, Xi 'an, Shaanxi, People's Republic of China ~72: Chao Wang;Feihong Feng;Heng Wang;Junfeng Hao;Juntao Zhu;Ning Li;Pingxiao Wang;Xiaochao Liu;Xiaoe He;Yanxia Zhou~

2023/07945 ~ Complete ~54:PYRIDOPYRIMIDINONE DERIVATIVE, PREPARATION METHOD THEREFOR, AND USE THEREOF ~71:WUHAN HUMANWELL INNOVATIVE DRUG RESEARCH AND DEVELOPMENT CENTER LIMITED COMPANY, Room 705-2, Building C7, No. 666 Gaoxin Road, People's Republic of China ~72: CHANG, Shaohua;LI, Li'e;LI, Xueqiang;SUN, Hongna;WANG, Hongqiang;YANG, Jun;YE, Dabing;ZHANG, Xuejun~ 33:CN ~31:202110172372.2 ~32:08/02/2021;33:CN ~31:202111315868.7 ~32:08/11/2021

2023/07967 ~ Complete ~54:INTRA-MODE DEPENDENT MULTIPLE TRANSFORM SELECTION FOR VIDEO CODING ~71:QUALCOMM Incorporated, Attn: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: CAO, Keming;COBAN, Muhammed Zeyd;KARCZEWICZ, Marta;KEROFSKY, Louis Joseph;RAY, Bappaditya;SEREGIN, Vadim~ 33:US ~31:63/173,884 ~32:12/04/2021;33:US ~31:63/223,377 ~32:19/07/2021;33:US ~31:17/658,803 ~32:11/04/2022

2023/07944 ~ Complete ~54:ELECTRO-ACTIVATED SUPER OXIDIZED WATER AND METHOD OF SYNTHESIZING THE SAME ~71:VIGILENZ MEDICAL DEVICES SDN. BHD., A BACTIGUARD COMPANY, 308b, Jalan Perindustrian Bukit Minyak 18, Malaysia ~72: DERICK, Koh Chee Keong;KRISHNEN, Ranjeni;SUBRAMANIAM, Sathish Komar~ 33:MY ~31:PI2021001346 ~32:12/03/2021

2023/07952 ~ Complete ~54:USES OF MELANOCORTIN-4 RECEPTOR AGONIST ~71:LG CHEM, LTD., 128, YEOUI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: AHN, Hye Won;PARK, Hee Dong;YEO, Su Jin~ 33:KR ~31:10-2021-0008622 ~32:21/01/2021

2023/07954 ~ Complete ~54:METHOD FOR PREPARING AN ENANTIOMERICALLY ENRICHED FORM OF 3-(2-CHLOROTHIAZOL-5-YL)-8-METHYL-7-OXO-6-PHENYL-2,3-DIHYDROTHIAZOLO[3,2-A]PYRIMIDIN-4-IUM-5-OLATE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: GARIVET, Guillaume, Michel, Jacques;GOETZ, Roland;KADUSKAR, Rahul;KORADIN, Christopher;MCLAUGHLIN, Martin, John;SHINDE, Harish~ 33:EP ~31:21153036.5 ~32:22/01/2021

2023/07960 ~ Complete ~54:BUFFER COMPOSITION COMPRISING A FIRST AND A SECOND BUFFER COMPONENT ~71:OMYA INTERNATIONAL AG, Baslerstraße 42, 4665, Oftringen, Switzerland ~72: JOACHIM GLAUBITZ;JOACHIM SCHOELKOPF;KAI MAX HETTMANN;KLAUS SÜTTERLIN~ 33:EP ~31:21170261.8 ~32:23/04/2021

2023/07966 ~ Complete ~54:A TRIGGER-TYPE DISPENSING HEAD FOR A DISPENSING DEVICE FOR PASTY PRODUCTS SUCH AS TOOTHPASTES ~71:GUALA DISPENSING S.P.A., Zona industriale D/5 - Spinetta Marengo, Italy ~72: PIGAZZI, Alessandro~ 33:IT ~31:102021000007847 ~32:30/03/2021

2023/07971 ~ Complete ~54:COMPOSITIONS AND METHODS COMPRISING ANTIBODIES THAT BIND TO COVALENT PEPTIDE CONJUGATES ~71:New York University, 70 Washington Square South, NEW YORK 10012, NY, USA, United States of America ~72: FEDELE, Carmine;HATTORI, Takamitsu;KOIDE, Akiko;KOIDE,

Shohei;MASO, Lorenzo;NEEL, Benjamin;TENG, Kai Wen~ 33:US ~31:63/154,627 ~32:26/02/2021;33:US ~31:63/253,499 ~32:07/10/2021

2023/07932 ~ Complete ~54:COMPOUND LIQUID CONTAINING PROTEIN POLYPHENOLS AND APPLICATION THEREOF IN PREPARING DOUBLE-PROTEIN MILK ~71:HEILONGJIANG BAYI AGRICULTURAL UNIVERSITY, No.5 Xinfeng Road, Gaoxin District, Daqing City, Heilongjiang Province, People's Republic of China ~72: CAO Rongan;WANG Changyuan;ZHANG Shu~

2023/07931 ~ Complete ~54:SLEWING BEARING FATIGUE TESTING MACHINE CONVENIENT FOR LOADING BENDING MOMENT ~71:Jiangsu Wanda Special Bearing Co., Ltd, No.333, Fushou East Road, Rucheng Street, Rugao City, Jiangsu Province, People's Republic of China;Nantong University, No.9 Seyuan Road, Nantong City, Jiangsu Province, People's Republic of China ~72: CHEN Baoguo;LI Zhuang;QIAN Yongming;SHI Yinfei;ZHANG Cheng;ZHU Xiaohong~

2023/07928 ~ Provisional ~54:AUTO-RETURN DRILL SUPPORT ~71:WILVIC PLASTICS CC, 5 Hammer Street Boltonia, West Krugersdorp, South Africa ~72: BAREND JACOBUS BOGDANOVIC~

2023/07949 ~ Complete ~54:SIGNALING CLOSED-LOOP POWER CONTROL FOR SINGLE AND MULTIPLE TRANSMISSION/RECEPTION POINTS (TRPS) ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: GAO, Shiwei;MURUGANATHAN, Siva~ 33:US ~31:63/141,336 ~32:25/01/2021

2023/07965 ~ Complete ~54:CONVEYOR BELT CLEANING DEVICE AND USING METHOD THEREOF ~71:SHANDONG FANGDA ENGINEERING CO., LTD, No.133, Zikuang Road, Zichuan District,, Zibo, Shandong, 255150, People's Republic of China ~72: DENG, Weibin;LI, Xinhua;LIU, Xu;LIU, Zeyong;MA, Yonglong;WANG, Qiangqiang;WANG, Zetao;ZHANG, Wenxin;ZHANG, Yadong;ZUO, Guodong~ 33:CN ~31:202211256636.3 ~32:13/10/2022

2023/07948 ~ Complete ~54:METHOD FOR PREPARING 2-[2-(2-CHLOROTHIAZOL-5-YL)-2-OXO-ETHYL]SULFANYL-6-HYDROXY-3-METHYL-5-PHENYL-PYRIMIDIN-4-ONE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: GARIVET, Guillaume, Michel, Jacques;GOETZ, Roland;KADUSKAR, Rahul;KORADIN, Christopher;MCLAUGHLIN, Martin, John;SHINDE, Harish~ 33:EP ~31:21153040.7 ~32:22/01/2021

2023/07927 ~ Provisional ~54:TRAFFIC INTERFACE LIFE SAVINGS DEVICE ~71:Wayne Erasmus, 195 10th Avenue, South Africa ~72: Wayne Erasmus~

2023/07930 ~ Provisional ~54:STRUCTURAL PRODUCT ~71:KIRK William James, 34 Laboria Roar, Isandovale, South Africa ~72: KIRK, William James;SEUTE, Horst~

2023/07935 ~ Complete ~54:AERIAL WORK PLATFORM WITH THREE-DIMENSIONAL MOTION ~71:NO. 719 RESEARCH INSTITUTE OF CHINA STATE SHIPBUILDING CORPORATION LIMITED, No. 19, Yangqiaohu Avenue, Canglong Island Development Zone, Jiangxia District, Wuhan City, Hubei Province, 430205, People's Republic of China ~72: BAI Qiang;CHEN Zheng;FANG Chang;JIANG Shiliang;LIU Wei;WANG Shuai~

2023/07937 ~ Complete ~54:AN ANCHOR HOLE DRILLING DEVICE FOR IMPROVING DRILLING ACCURACY ~71:China Communication Construction Yigongju Group Co., Ltd., Block A, Shitong Building, Zhoujiajing, Guanzhuang, Chaoyang District, Beijing, 100000, People's Republic of China;China Communication Construction Yigongju Third Engineering Co., Ltd., No. 10, Jing Sheng North Third Street, Jinqiao Science and Technology Industrial Base, Tongzhou Park, Zhongguancun Science and Technology Park, Tongzhou District, Beijing, 101102, People's Republic of China ~72: Cheng ZHANG;Dengke GUO;Gongxiang SHANG;Jianyun LI;Junlin

BAI;Li WANG;Song CHENG;Tianwei TANG;Xiaowei QIAO;Xinyu YAN;Yong LI;Yongwei GUO;Zhifei ZHANG;Zhiyong SUN~

2023/07934 ~ Complete ~54:SOLID FORMS OF FASORACETAM ~71:THE CHILDREN'S HOSPITAL OF PHILADELPHIA, 3401 Civic Center Boulevard, Philadelphia, Pennsylvania, 19104, United States of America ~72: BRAM HARMSEN;MARTIN APPELMANS;MICHAEL PAUL RENÉ GUILLOT;RICHARD ALAN COUCH;THOMAS R BAILEY;TOM LEYSSENS~ 33:US ~31:62/619,062 ~32:18/01/2018;33:US ~31:62/668,092 ~32:07/05/2018;33:US ~31:62/683,325 ~32:11/06/2018

. - APPLIED ON 2023/08/17 -

2023/07988 ~ Complete ~54:A METHOD FOR MAPPING AN INTERNAL STRUCTURE OF A SAMPLE ~71:THE AUSTRALIAN NATIONAL UNIVERSITY, , Acton, Australian Capital Territory, 2601, Australia ~72: ADRIAN SHEPPARD;GEOFF CAMPBELL;GLENN MYERS;JONG CHOW;ROLAND FLEDDERMANN;SHANE LATHAM;ZIXIN LIANG~ 33:AU ~31:2021900371 ~32:15/02/2021

2023/07994 ~ Complete ~54:FASTENING ARRANGEMENT FOR SCREENING ASSEMBLY ~71:Sandvik SRP AB, Stationsplan 1, SVEDALA 23381, SWEDEN, Sweden ~72: FRIMAN, André;HENSSIEN, Adrien~ 33:EP ~31:21157786.1 ~32:18/02/2021

2023/07996 ~ Complete ~54:NOVEL DRUGGABLE REGIONS IN THE HUMAN CYTOMEGALOVIRUS GLYCOPROTEIN B POLYPEPTIDE AND METHODS OF USE THEREOF ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: CHI, Xiaoyuan Sherry;DORMITZER, Philip Ralph;LIU, Weifeng;LIU, Yuhang~ 33:US ~31:63/153,164 ~32:24/02/2021;33:US ~31:63/306,669 ~32:04/02/2022

2023/08000 ~ Complete ~54:PROCESSES AND/OR MACHINES FOR PRODUCING CONTINUOUS PLASTIC DEFORMATION, AND/OR COMPOSITIONS AND/OR MANUFACTURES PRODUCED THEREBY ~71:KANDASAMY, Kumar, 2011 Hardwick Street, United States of America ~72: KANDASAMY, Kumar~ 33:US ~31:63/156,497 ~32:04/03/2021

2023/07974 ~ Complete ~54:SOIL REMOVAL DEVICE FOR SUGAR BEET ~71:Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences, No. 22, Zhaojun Road, Yuquan District, Hohhot, Inner Mongolia Autonomous Region, 010031, People's Republic of China ~72: GUO, Xiaoxia;HAN, Kang;HUANG, Chunyan;JIAN, Caiyuan;KONG, Dejuan;LI, Zhi;LIANG, Yahui;LIU, Jia;SU, Wenbin;TIAN, Lu;WANG, Siming;WANG, Zhenzhen;ZHANG, Li;ZHANG, Peng;ZHANG, Peng~ 33:CN ~31:202223395814.9 ~32:19/12/2022

2023/07976 ~ Complete ~54:METHOD AND SYSTEM FOR TRAINING SPEECH EMOTION RECOGNITION MODEL ~71:China University of Mining and Technology, No.1 University Road, Tongshan District, Xuzhou, Jiangsu, 221100, People's Republic of China ~72: HUIXUAN LING;LIANG ZOU;LINA ZHENG;MENG LEI;XINHUI YU;YONG XUE;ZULONG YAN~

2023/07978 ~ Complete ~54:A SILVER-DOPED CDS-ZNIN2S4 COMPOSITE PHOTOCATALYST AND ITS PREPARATION METHOD ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: Cui Leqi;Kang Haiyan;Li Baixin;Li Yanna;Ma Mengxia;Mao Yanli;Yan Xu;Zhou Jieqiang;Zhu Han;Zhu Xinfeng~ 33:CN ~31:2023109228281 ~32:25/07/2023

2023/07984 ~ Complete ~54:METHOD OF INACTIVATING A VIRUS USING A GLUTARALDEHYDE CONTAINING COMPOSITION ~71:MARTIN, Antonietta, Unit 8, Protea Retirement Village, 26 Totius Road, Amorosa, South Africa ~72: MARTIN, Antonietta~ 33:ZA ~31:ZA 2021/01103 ~32:18/02/2021

2023/07991 ~ Complete ~54:COLLOIDAL FOOD PRODUCTS COMPRISING FILAMENTOUS FUNGAL PARTICLES ~71:The Fynder Group, Inc., 815 W. Pershing Road, Suite 4, CHICAGO 60609, IL, USA, United States of America ~72: AGARWAL, Shantanu;AVNIEL, Yuval Charles;CANONNE, Sébastien Raymond;ECKSTROM, Eleanore Brophy;GHOTRA, Baljit Singh;KAWABATA, Jessica Okane;KREIDLY, Nahla~ 33:US ~31:63/143,908 ~32:31/01/2021

2023/08006 ~ Complete ~54:NOVEL METHOD FOR PREPARING Γ-HEPTALACTONE ~71:ANHUI HUAYE SPICE CO., LTD., No. 42, Shuzhou Avenue, Qianshan City, Anqing City, People's Republic of China ~72: Jianjun ZHANG;Lidong LIANG;Yunfei HE;Zheng ZHANG~ 33:CN ~31:2022113123470 ~32:25/10/2022

2023/08007 ~ Provisional ~54:MYRARIFILE ~71:Taharah Mchunu, 3 Kougaberg Street, South Africa ~72: Taharah Mchunu~

2023/07993 ~ Complete ~54:PUF AND BLOCKCHAIN BASED IOT EVENT RECORDER AND METHOD ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: DAVIES, Jack Owen;WRIGHT, Craig Steven~ 33:GB ~31:2102283.5 ~32:18/02/2021

2023/07997 ~ Complete ~54:NEW THIAZOLOPYRIMIDINONE DERIVATIVES ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BROM, Virginie;DOLENTE, Cosimo;GAUFRETEAU, Delphine;GRETHER, Nadine;O'HARA, Fionn Susannah;PIRAS, Matilde;RATNI, Hasane;REUTLINGER, Michael;VIFIAN, Walter;ZAMBALDO, Claudio~ 33:EP ~31:21163259.1 ~32:17/03/2021

2023/08001 ~ Complete ~54:FERTILIZER PARTICLES COATED WITH A MICRONUTRIENT SOURCE ~71:YARA UK LIMITED, Wellington Road, Pocklington Industrial Estate, United Kingdom ~72: HATHWAY, Laura;WARD, Stuart~ 33:GB ~31:2102929.3 ~32:02/03/2021

2023/07975 ~ Complete ~54:SELF-CLEANING ALGAE-BACTERIA IMMOBILIZATION DECONTAMINATION DEVICE ~71:Water Resource Research Institute of Inner Mongolia, No. 11 Genghis Khan Street, Hohhot, Inner Mongolia Autonomous Region, 010000, People's Republic of China;Xi'an University of Architecture and Technology, No. 13, Middle Section of Yanta Road, Beilin District, Xi'an City, Shaanxi Province, 710054, People's Republic of China ~72: GAO Feng;SUN Xin;YANG Yu;ZHANG Qiqi~

2023/07977 ~ Complete ~54:NUTRITIONAL FLAVOURING MADE OF ANTARCTIC KRILL FOR PETS AND PREPARATION METHOD THEREFOR ~71:Ocean University of China, No. 238, Songling Road, Laoshan District, Qingdao, Shandong, 266100, People's Republic of China ~72: CHEN, Guidong;JIANG, Xiaoming;MA, Lei;WANG, Yuming;XUE, Changhu;XUE, Yong~

2023/07981 ~ Complete ~54:LEARNING AUXILIARY DEVICE BASED ON THE ON-LINE OPENING COURSE OF CURRICULUM THOUGHT POLITICS ~71:North China University of Science and Technology, 21 Bohai Street, Tangshan City, Hebei Province, 063210, People's Republic of China ~72: Guo Lan;Liu Tianji;Wang Lei~

2023/07985 ~ Complete ~54:METHODS OF TREATING ATOPIC DERMATITIS WITH ANTI IL-13 ANTIBODIES ~71:RECEPTOS LLC, 3033 Science Park Road, Suite 300, San Diego, California, 92121, United States of America ~72: CRISTIAN RODRIGUEZ;ERIN BABCOCK;SARAH HARRIS~ 33:US ~31:63/162,101 ~32:17/03/2021

2023/07992 ~ Complete ~54:ANTI-AMYLOID BETA ANTIBODIES AND USES THEREOF ~71:Eli Lilly and Company, LILLY CORPORATE CENTER, INDIANAPOLIS 46285, IN, USA, United States of America ~72: MINTUN, Mark;SIMS II, John Randall~ 33:US ~31:63/160,642 ~32:12/03/2021;33:US ~31:63/192,271 ~32:24/05/2021

2023/07998 ~ Complete ~54:ANTI-VIRAL COMPOUNDS ~71:Infex Therapeutics Limited, Mereside, Alderley Park, MACCLESFIELD SK10 4TG, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: BLADES, Kevin;BUNT, Adam;COOPER, Ian;KIRKHAM, James;ORR, David;SCHOFIELD, Paul;WILKINSON, Andrew~ 33:GB ~31:2103461.6 ~32:12/03/2021;33:GB ~31:2116106.2 ~32:09/11/2021

2023/08005 ~ Complete ~54:METHOD FOR DESIGN, SYNTHESIS AND ASSEMBLY OF SIMPLIFIED CHLOROPLAST GENOME OF CHLAMYDOMONAS REINHARDTII AND USE THEREOF ~71:SHENZHEN UNIVERSITY, No. 3688, Nanhai Road, Nanshan District, Shenzhen, People's Republic of China ~72: HU, Zhangli;JIA, Bin;JIANG, Yanan;WANG, Chaogang;ZHANG, Guiying~ 33:CN ~31:202210916641.6 ~32:01/08/2022

2023/08003 ~ Complete ~54:PONDED ASH BENEFICIATION SYSTEM AND RELATED METHODS ~71:ASH-TEK LLC, 6174 NW 23rd Street, United States of America ~72: POLING Christopher L.;SCHEERES Nico W.~ 33:US ~31:63/157,550 ~32:05/03/2021

2023/07973 ~ Provisional ~54:LIDO MACHINES ~71:Thabo Joseph Sechele, 1983 Bethel Section, South Africa;Thabo Joseph Sechele, 1983 Bethel Section, South Africa ~72: Thabo Joseph Sechele~ 33:OA ~31:2023-08-15 ~32:15/08/2023

2023/07979 ~ Complete ~54:BIOMARKER AND APPLICATION THEREOF ~71:ADLAI NORTYE BIOPHARMA CO., LTD., Block 8, No. 1008 Xiangwang Street, People's Republic of China ~72: CHEN, Yufeng;HE, Nanhai;LIU, Zhihong;WANG, Youping~ 33:CN ~31:202211002503.3 ~32:19/08/2022

2023/07983 ~ Complete ~54:MENINGOCOCCAL B RECOMBINANT VACCINE ~71:SANOFI PASTEUR INC., 1 Discovery Drive, Swiftwater, United States of America ~72: ARNAUD-BARBE, Nadège;BALHARA, Vinod;IANTOMASI, Raffaella;KAZEK-DURET, Marie-Pierre;MCCLUSKEY, Jacqueline;QUEMENEUR, Laurence;ROKBI, Bachra;SHIVER, John~ 33:EP ~31:21305211.1 ~32:19/02/2021;33:US ~31:63/172,885 ~32:09/04/2021

2023/07986 ~ Complete ~54:METHOD FOR PRODUCING PROTEIN MATERIAL ~71:MARS, INCORPORATED, 6885 Elm Street, Mclean, Virginia, 22101, United States of America ~72: LAHCENE GUEDIDER;LUIS MOLINA;MATHIEU MAO;MELANIE TREHIOU~ 33:FR ~31:FR2101529 ~32:17/02/2021

2023/07990 ~ Complete ~54:DEVICES, SYSTEMS AND METHODS OF INFORMATIONAL SIGNAL SYNCHRONIZATION USING A REFERENCE SIGNAL ~71:KenWave Solutions Inc., 7080 Derrycrest Drive, MISSISSAUGA L5W 0G5, ONTARIO, CANADA, Canada ~72: RICHARZ, Harrison F.;RICHARZ, Werner G.;VAELIMAA, Tuukka~ 33:US ~31:63/140,082 ~32:21/01/2021

2023/07999 ~ Complete ~54:CARBOXY SUBSTITUTED GLUCOCORTICOID RECEPTOR AGONISTS ~71:Eli Lilly and Company, LILLY CORPORATE CENTER, INDIANAPOLIS 46285, IN, USA, United States of America ~72: STITES, Ryan Edward;WURST, Jacqueline Mary~ 33:US ~31:63/164,592 ~32:23/03/2021

2023/07980 ~ Complete ~54:CONTROL METHOD OF SOLID STATE DRIVE WITH BUILT-IN RFID ENCRYPTION ~71:Shenzhen Kingspec Electronics Technology Co.,Ltd., 2001, Block C, Minzhi Joint Stock Commercial Center, North Station Community, Minzhi Street, Longhua District, Shenzhen, People's Republic of China ~72: Shen Jiaqi;Shen Jinliang;Tan Yong~ 33:CN ~31:CN202310586387.2 ~32:24/05/2023

2023/07982 ~ Complete ~54:PROPAGANDA DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION OF COLLEGE STUDENTS IN THE NEW ERA ~71:North China University of Science and Technology, 21 Bohai Street, Tangshan City, Hebei Province, 063210, People's Republic of China ~72: Liu Tianji;Wang Lei~

2023/07987 ~ Complete ~54:NONAUTOLOGOUS MULTI-STRESSED CANCER CELLS AND USES THEREOF FOR VACCINATING AND TREATING CANCERS ~71:BRENUS PHARMA, PIT de Lavaur La Béchade , 63500, Issoire, France ~72: BENOIT PINTEUR;PAUL BRAVETTI~ 33:US ~31:63/154,103 ~32:26/02/2021

2023/07989 ~ Complete ~54:WEAR ASSEMBLY, DIGGING EDGE AND INSERTS FOR EARTH WORKING EQUIPMENT ~71:ESCO Group LLC, 2141 NW 25th Avenue, PORTLAND 97210-2578, OR, USA, United States of America ~72: BINGHAM, Bruce C.;HANKLAND, Joel S.;ZENIER, Scott H.~ 33:US ~31:63/143,046 ~32:29/01/2021

2023/07995 ~ Complete ~54:MODIFIED STEM CELL COMPOSITIONS AND METHODS FOR USE ~71:Jasper Therapeutics, Inc., 2200 Bridge Parkway, Suite 102, REDWOOD CITY 94065, CA, USA, United States of America ~72: KWON, Hye-sook;PANG, Wendy;SHIZURU, Judith;SIKORSKI, Robert;TIWARI, Rajiv~ 33:US ~31:63/147,627 ~32:09/02/2021;33:US ~31:63/257,012 ~32:18/10/2021

2023/08002 ~ Complete ~54:PYRIMIDOPYRAN COMPOUND ~71:MEDSHINE DISCOVERY INC., Room 218, No. 9 Gaoxin Road, People's Republic of China ~72: CHEN, Shuhui;LI, Jian;LI, Qiu;LI, Zhixiang;WU, Wentao;YANG, Ping;ZHANG, Yang;ZHU, Wenyuan~ 33:CN ~31:202110139674.X ~32:01/02/2021;33:CN ~31:202110258547.1 ~32:09/03/2021;33:CN ~31:202110706033.8 ~32:24/06/2021;33:CN ~31:202210070174.X ~32:20/01/2022

2023/08004 ~ Complete ~54:CONSTRUCTION METHOD OF ASTAXANTHIN SYNTHESIS PATHWAY IN CHLAMYDOMONAS REINHARDTII AND USE THEREOF ~71:SHENZHEN UNIVERSITY, No. 3688, Nanhai Road, Nanshan District, Shenzhen, People's Republic of China ~72: GUO, Chunli;HU, Zhangli;MEI, Rui;WANG, Chaogang;ZHANG, Guiying~ 33:CN ~31:202210918037.7 ~32:01/08/2022

. - APPLIED ON 2023/08/18 -

2023/08048 ~ Complete ~54:METHOD FOR OBTAINING TUMOR-HYPOXIA EDUCATED REGENERATIVE MACROPHAGES AND USE THEREOF IN REGENERATIVE MEDICINE ~71:Hemera S.r.l., Via Giovanni della Casa, 26, VERONA 37122, ITALY, Italy;Humanitas Mirasole S.p.A., Via Manzoni, 56, ROZZANO (MI) 20089, ITALY, Italy ~72: BIFARI, Francesco;DECIMO, Ilaria;DOLCI, Sissi;FUMAGALLI, Guido Francesco;LOCATI, Massimo~ 33:IT ~31:102021000006569 ~32:18/03/2021

2023/08041 ~ Complete ~54:REMOVABLE LOCKING DEVICE ~71:RUSSELL JOHN MILLAR, 12 Seatoun Heights Road, Seatoun , Wellington, 6011, New Zealand ~72: RUSSELL JOHN MILLAR~ 33:NZ ~31:772160 ~32:21/01/2021

2023/08045 ~ Complete ~54:METHOD FOR DETERMINING AN IMAGE CODING MODE ~71:Orange, 111, quai du Président Roosevelt, ISSY-LES-MOULINEAUX 92130, FRANCE, France ~72: LADUNE, Théo;PHILIPPE, Pierrick~ 33:FR ~31:FR2101633 ~32:19/02/2021

2023/08011 ~ Provisional ~54:REFRIGERATION ENHANCEMENT SYSTEM ~71:Martin Johan Hempel, 1 Monte Bello, South Africa ~72: Martin Johan Hempel~

2023/08012 ~ Provisional ~54:METRIC APPLICATION ~71:Llyton Linda Radebe, 2770 Misspel Avenue, Eldorado Park Extension 3, South Africa ~72: Llyton Linda Radebe~

2023/08013 ~ Complete ~54:FERMENTATION PRODUCT, MONASCUS AND SORGHUM FERMENTATION FILTRATE, PREPARATION METHOD AND APPLICATION THEREOF ~71:Moutai Institute, Luban Avenue, Renhuai City, Zunyi City, Guizhou Province, 564500, People's Republic of China ~72: LI, Baihan;WU, Ganghong;ZHENG, Yuxi~

2023/08016 ~ Complete ~54:METHOD FOR CALCULATING THE BALL DIAMETER OF GRINDING BALLS OF BALL MILL ~71:Zaozhuang Fushan Industrial Co., Ltd, 100 meters south of National Highway 206 in Juwo Village, Yicheng District, Zaozhuang City, Shandong Province, People's Republic of China;Zaozhuang University, Bei'an Road, Zaozhuang City, Shandong Province, People's Republic of China ~72: Gu Jianguo;Min Hong;Sun Haojie;Yangjunyan;You Shihui;Zhang Shengdong~ 33:CN ~31:2023107962181 ~32:03/07/2023

2023/08029 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITING KETOHEXOKINASE (KHK) ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: ABRAMS, Marc;BROWN, Bob Dale;DUDEK, Henryk T.;KOSER, Martin Lee;PARK, Jihye;SAXENA, Utsav~ 33:US ~31:63/173,775 ~32:12/04/2021;33:US ~31:63/182,277 ~32:30/04/2021;33:EP ~31:21196784.9 ~32:15/09/2021

2023/08038 ~ Complete ~54:METHODS, APPARATUSES, DEVICES, AND STORAGE MEDIA FOR ENCODING OR DECODING ~71:HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD., No.555 Qianmo Road, Binjiang District Hangzhou, Zhejiang, 310051, People's Republic of China ~72: FANGDONG CHEN;XIAOQIANG CAO;YUCHENG SUN~ 33:CN ~31:202110297136.3 ~32:19/03/2021

2023/08046 ~ Complete ~54:DEVICE FOR DETERMINING TONGUE POSITION BY MEASURING NEGATIVE PRESSURE IN THE ORAL CAVITY, FOR MEASURING INHALATION PRESSURE IN THE NASOPHARYNGEAL CAVITY, AND ASSOCIATED TERMINAL ~71:ENGELKE, Wilfried Gerhard Hermann, Allerberg Nr. 15, GLEICHEN 37130, GERMANY, Germany;KAHN, Sandra Vivian, 20 Melrose Ct., SAN MATEO 94402, CA, USA, United States of America ~72: ENGELKE, Wilfried Gerhard Hermann;KAHN, Sandra Vivian~ 33:US ~31:63/143,399 ~32:29/01/2021;33:ES ~31:P202130232 ~32:16/03/2021

2023/08049 ~ Complete ~54:VMAT2 INHIBITORS AND METHODS OF USE ~71:Neurocrine Biosciences, Inc., 12780 El Camino Real, SAN DIEGO 92130, CA, USA, United States of America ~72: BOON, Byron A.;HARRIOTT, Nicole;PAGANO, Nicholas~ 33:US ~31:63/164,135 ~32:22/03/2021

2023/08021 ~ Complete ~54:ANTI-CTLA4 ANTIBODIES AND METHODS OF MAKING AND USING THE SAME ~71:ADAGENE INC., Harbour Place, 103 South Church Street, P.O. Box 2582, Grand Cayman, KY1-1103, Cayman Islands ~72: FANGYONG DU;GUIZHONG LIU;PETER PEIZHI LUO;ZHONGZONG PAN~ 33:CN ~31:PCT/CN2018/075064 ~32:02/02/2018

2023/08014 ~ Complete ~54:VERTICAL TWO-SECTION INCINERATOR AND METHOD FOR DISPOSING COMPLEX COMBUSTIBLE SOLID WASTES THEREOF ~71:CBMI CONSTRUCTION CO., LTD., No. 7 Xingfu Road, Fengrun District, Tangshan City, People's Republic of China ~72: CAO, Xinming;DENG, Yuhua;WANG, Guomin;WANG, Qiang;YAO, Xiuli;ZHANG, Chao;ZHENG, Xianming~ 33:CN ~31:2022110377583 ~32:27/08/2022

2023/08051 ~ Complete ~54:NOVEL GLUCOCORTICOID RECEPTOR AGONISTS ~71:Eli Lilly and Company, LILLY CORPORATE CENTER, INDIANAPOLIS 46285, IN, USA, United States of America ~72: JAMISON, James Andrew;LEUNG, Donmienne Doen Mun;WURST, Jacqueline Mary~ 33:US ~31:63/164,603 ~32:23/03/2021

2023/08008 ~ Provisional ~54:THE SMART TROLLEY SYSTEM ~71:Kgothatso Warren Mmotlana, 662 Sehokho section, South Africa;Lindelani Mahada, 1325 Libertas Avenue, South Africa;Sicelo Lawrence Mabasa, 14 GOOSEN STREET, South Africa ~72: Kgothatso Warren Mmotlana;Lindelani Mahada;Sicelo Lawrence Mabasa~

2023/08010 ~ Provisional ~54:AUTOMATIC SCHEDULER AND ACCESS CONTROL ~71:SBV SERVICES (PROPRIETARY) LIMITED, SBV House, Corner of 11th Avenue and 8th Street, Houghton, JOHANNESBURG

2198, Gauteng, SOUTH AFRICA, South Africa ~72: BURGER, Eddie;OOSTHUYSEN, Stephanus Adriaan;du PREEZ, Johannes Jacobus Phillippus~

2023/08036 ~ Complete ~54:MULTIFUNCTIONAL TEST BENCH FOR IMPACT LOAD TESTING OF MINING SUPPORT MATERIAL AND TEST METHOD ~71:CCTEG COAL MINING RESEARCH INSTITUTE, Tiandi Building No. 5, Youth Ditch Road, Chaoyang District, Beijing 100013, People's Republic of China ~72: DENGYUN HAO;JIE HE;YONGZHENG WU;YUKAI FU~ 33:CN ~31:202110166190.4 ~32:03/02/2021

2023/08040 ~ Complete ~54:TARGETED BIFUNCTIONAL DEGRADERS AND METHODS USING SAME ~71:YALE UNIVERSITY, Two Whitney Avenue, New Haven, Connecticut, 06510, United States of America ~72: DAVID MCDONALD;DAVID SPIEGEL;REBECCA HOWELL~ 33:US ~31:63/152,110 ~32:22/02/2021

2023/08025 ~ Complete ~54:GENE TRANSCRIPTION FRAMEWORK, VECTOR SYSTEM, GENOME SEQUENCE EDITING METHOD AND APPLICATION ~71:PENG, Shuanghong, Room 1508, Building 13, no. 3 Fangqunyuan, Feng Tai District, Beijing, 100078, People's Republic of China ~72: PENG, Shuanghong;SUI, Yunpeng~ 33:CN ~31:202110089068.1 ~32:22/01/2021

2023/08028 ~ Complete ~54:GCN2 MODULATING COMPOUNDS AND USES THEREOF ~71:HIBERCELL, INC., 619 West 54th Street, 8th Floor, United States of America ~72: MULVIHILL, Mark J.;RAHEMTULLA, Benjamin;RAMURTHY, Savithri;SHERBORNE, Bradley;TALBOT, Eric P. A.;THOMSON, Christopher G.~ 33:US ~31:63/140,314 ~32:22/01/2021

2023/08053 ~ Complete ~54:CELL STACK AND CELL STACK ASSEMBLY ~71:CERES INTELLECTUAL PROPERTY COMPANY LIMITED, Viking House, Foundry Lane, Horsham West, United Kingdom ~72: BALLARD, Andrew;DOMANSKI, Tomasz;GAWEL, Duncan Albert Wojciech;THANDI, Rajan~ 33:GB ~31:2102404.7 ~32:19/02/2021

2023/08037 ~ Complete ~54:METHODS FOR DETECTING NEUROFILAMENT LIGHT CHAIN IN PLASMA AND CEREBROSPINAL FLUID ~71:WASHINGTON UNIVERSITY, One Brookings Drive, St. Louis, Missouri, 63130, United States of America ~72: DAVID HOLTZMAN;HONG JIANG;MELISSA BUDELIER;RANDALL BATEMAN~ 33:US ~31:63/147,833 ~32:10/02/2021;33:US ~31:63/183,417 ~32:03/05/2021;33:US ~31:63/197,826 ~32:07/06/2021

2023/08044 ~ Complete ~54:AQUEOUS SOLUTION COMPOSITIONS FOR INCREASING STABILITY OF ENGINEERED DIMERIC PROTEINS ~71:Arecor Limited, Chesterford Research Park, Little Chesterford, SAFFRON WALDEN CB10 1XL, UNITED KINGDOM, United Kingdom ~72: AMANULLAH, Ashraf;CREMIN, Joshua;GERRING, David;HAYES, Bradley;JEZEK, Jan;LOBO, Brian;PINTO, Jorge~ 33:GB ~31:2102258.7 ~32:17/02/2021

2023/08031 ~ Complete ~54:TREATMENTS OF PRADER-WILLI SYNDROME ~71:NEUREN PHARMACEUTICALS LIMITED, Offices of Lowndes Jordan, Level 15, HSBC Tower, New Zealand ~72: COGRAM, Patricia;GLASS, Lawrence Irwin~ 33:US ~31:63/148,962 ~32:12/02/2021

2023/08039 ~ Complete ~54:FULLY SYNTHETIC, LONG-CHAIN NUCLEIC ACID FOR VACCINE PRODUCTION TO PROTECT AGAINST CORONAVIRUSES ~71:ROCKETVAX AG, Rittergasse 3, 4051, Basel, Switzerland ~72: MATTHIAS CHRISTEN;NATASA CMILJANOVIC VRANIC;VLADIMIR CMILJANOVIC~ 33:EP ~31:PCT/EP2021/055401 ~32:03/03/2021

2023/08050 ~ Complete ~54:ARYL HETEROCYCLIC COMPOUNDS AS KV1.3 POTASSIUM SHAKER CHANNEL BLOCKERS ~71:D.E. Shaw Research, LLC, 120 W. 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 ~31:63/168,056 ~32:30/03/2021

2023/08052 ~ Complete ~54:COSMETIC COMPOSITION ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: REYNAUD , Romain;SCANDOLERA, Amandine~ 33:GB ~31:2103684.3 ~32:17/03/2021

2023/08015 ~ Complete ~54:METHOD FOR DISPOSING COMPLEX COMBUSTIBLE SOLID WASTES BY USING VERTICAL SECTIONAL INCINERATOR ~71:CBMI CONSTRUCTION CO., LTD., No. 7 Xingfu Road, Fengrun District, Tangshan City, People's Republic of China ~72: DENG, Yuhua;SUN, Xuecheng;TAO, Ying;WANG, Bin;WANG, Guomin;WANG, Qiang;YAO, Xiuli;ZHANG, Chao;ZHENG, Wang;ZHENG, Xianming~ 33:CN ~31:2022110276972 ~32:25/08/2022

2023/08017 ~ Complete ~54:BARBAQUE ARRANGMENT ~71:AFRICAN BEAST BRAAIER (PTY) LTD, Nr. 5 Ashdown Close, South Africa ~72: Dr Johannes Christiaan BOTHA~

2023/08023 ~ Complete ~54:MAGNETIC LIQUID DOUBLE SUSPENSION BEARING ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 21, Bohai Avenue, Caofeidian New City, Tangshan, Hebei, 063210, People's Republic of China ~72: CHEN, Liwen;CUI, Bingyan;LONG, Haiyang;MA, Zhe;SHANG, Lin;WU, Weiying~

2023/08027 ~ Complete ~54:NOVEL CYCLOPENTA[C]PYRROL NEGATIVE ALLOSTERIC MODULATORSOF NR2B ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: GARDINIER, Kevin Matthew;HEALY, Mark Patrick;JENDZA, Keith;PAN, Yue;WANG, Kate Yaping;YANG, Fan~ 33:US ~31:63/166,516 ~32:26/03/2021

2023/08043 ~ Complete ~54:WEIGHTED IMAGE PREDICTION, IMAGE CODING AND DECODING USING SUCH A WEIGHTED PREDICTION ~71:Orange, 111, quai du Président Roosevelt, ISSY-LES-MOULINEAUX 92130, FRANCE, France ~72: LADUNE, Théo;PHILIPPE, Pierrick~ 33:FR ~31:2101632 ~32:19/02/2021

2023/08009 ~ Provisional ~54:BOGUS PICKUP PREVENTION METHOD ~71:SBV SERVICES (PROPRIETARY) LIMITED, SBV House, Corner of 11th Avenue and 8th Street, Houghton, JOHANNESBURG 2198, Gauteng, SOUTH AFRICA, South Africa ~72: BURGER, Eddie;OOSTHUYSEN, Stephanus Adriaan~

2023/08018 ~ Complete ~54:DETECTION DEVICE FOR DETECTING NEURONAL CALCIUM SIGNAL CONDUCTION ~71:HUAINAN NORMAL UNIVERSITY, Dongshan West Road, Tianjiaan District, Huainan City, Anhui Province, People's Republic of China ~72: FAN Jianmei;GUO Xiangpeng;HUO Yuhong;ZHOU Yi;ZUO Hongkun~

2023/08034 ~ Complete ~54:INTERFERON-BASED CANCER TREATMENT METHOD, AND PHARMACEUTICAL COMBINATION ~71:BIOSTEED GENE TRANSFORMATION TECH. CO., LTD., 9th Floor, Haicang Science and Technology Innovation and Entrepreneurship Center Building, 289 Wengjiao Road, Xinyang Industry Zone of Haicang Xiamen, Fujian, 361028, People's Republic of China;XIAMEN AMOYTOP BIOTECH CO., LTD., No. 330 Wengjiao Road, Xinyang Industry Zone of Haicang Xiamen, Fujian, 361028, People's Republic of China ~72: CHONGYANG LIN;HANZHOU WU;HONGRAN CHU;LI SUN;LU ZHUANG;PEIJUAN ZHU;QINGJIANG XIAO;QIUJU XIA;WEIDONG ZHOU;XIAOJIN LIAO;XIAOXUE XIAO~ 33:CN ~31:202110083614.0 ~32:21/01/2021

2023/08042 ~ Complete ~54:BEVERAGE SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BONIN, Marilyne Isabelle;DOGAN, Nihan;MURPHY, Audrey Virginie~ 33:EP ~31:21154182.6 ~32:29/01/2021

2023/08026 ~ Complete ~54:ENERGY CELL ~71:ENG8 LIMITED, 2 Irish Town, Gibraltar, Gibraltar ~72: ALTUNIN, Sergei;BACK, Haslen Matthew;KULAKOVSKII, Oleg;TYUTINA, Valeria~ 33:GB ~31:2102409.6 ~32:19/02/2021

2023/08030 ~ Complete ~54:NOVEL BICYCLIC PEPTIDES ~71:THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, 300 Herston Road, Herston, Australia ~72: RAO, Sudha~ 33:AU ~31:2021900114 ~32:19/01/2021

2023/08035 ~ Complete ~54:APPLICATION OF RILUZOLE- AND BORNEOL-CONTAINING COMPOSITION IN PREPARATION OF MEDICATION FOR TREATING CEREBROVASCULAR DISEASES ~71:NEURODAWN PHARMACEUTICAL CO., LTD., L3244, 3rd Floor, Chuangye Building, No. 1009 Tianyuan East Road, Jiangning District, Nanjing, Jiangsu, 211199, People's Republic of China ~72: LEI WANG;RONG CHEN;ZHENGPING ZHANG~ 33:CN ~31:202110141522.3 ~32:02/02/2021

2023/08019 ~ Complete ~54:METHOD FOR DRAINING WATER DURING WALNUT BARK GRAFTING ~71:CHINESE ACADEMY OF FORESTRY, No. 2 Dongxiaofu, Haidian District, People's Republic of China;SICHUAN ACADEMY OF FORESTRY, 18 Xinghui West Road, Jinniu District, Chengdu City, People's Republic of China;XINJIANG ACADEMY OF FORESTRY, No. 191, Anju South Road, Shuimogou District, Urumqi City, People's Republic of China ~72: Chongwen ZHENG;Jiandong LIN;Junlong LI;Junpei ZHANG;Ningzi WU;Pijun LI;Qiang ZHANG;Wenxi XING;Yuliang DONG;Zeliang WANG~

2023/08020 ~ Complete ~54:WALNUT TOP GRAFTING METHOD ~71:CHINESE ACADEMY OF FORESTRY, No. 2 Dongxiaofu, Haidian District, People's Republic of China;SICHUAN ACADEMY OF FORESTRY, 18 Xinghui West Road, Jinniu District, Chengdu City, People's Republic of China;XINJIANG ACADEMY OF FORESTRY, No. 191, Anju South Road, Shuimogou District, Urumqi City, People's Republic of China ~72: Chongwen ZHENG;Jiandong LIN;Junlong LI;Junpei ZHANG;Ningzi WU;Pijun LI;Qiang ZHANG;Wenxi XING;Yuliang DONG;Zeliang WANG~

2023/08024 ~ Complete ~54:SLAG HOLLOW MICRO-BEAD PREPARATION NOZZLE AND PREPARATION METHOD THEREFOR ~71:NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 21 Bohai Avenue, Caofeidian New City, Tangshan, Hebei, 063210, People's Republic of China ~72: KANG, Yue;LIN, Wenlong;LIU, Chao;SHAO, Chen;SUN, Ruijing;XING, Hongwei;ZHANG, Wei~

2023/08032 ~ Complete ~54:METHODS AND COMPOSITIONS FOR MODIFYING ROOT ARCHITECTURE IN PLANTS ~71:PAIRWISE PLANTS SERVICES, INC., 807 East Main Street, Suite 4-100, Durham, United States of America ~72: KIM, HaeJin;MILLER, Marisa;MOJICA, Julius~ 33:US ~31:63/153,473 ~32:25/02/2021

2023/08022 ~ Complete ~54:APOLIPOPROTEIN C3 (APOC3) IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;CHARALAMBOS KAITTANIS;FREDERIC TREMBLAY;JAMES D MCININCH;LUCAS D BONDURANT;MARK K SCHLEGEL~ 33:US ~31:62/977,875 ~32:18/02/2020;33:US ~31:63/144,516 ~32:02/02/2021

2023/08033 ~ Complete ~54:METHOD AND PHARMACEUTICAL COMBINATION FOR PREVENTING CANCER RECURRENCE ~71:BIOSTEED GENE TRANSFORMATION TECH. CO., LTD., 9th Floor, Haicang Science and Technology Innovation and Entrepreneurship Center Building, 289 Wengjiao Road, Xinyang Industry Zone of Haicang Xiamen, Fujian, 361028, People's Republic of China;XIAMEN AMOYTOP BIOTECH CO., LTD., No. 330 Wengjiao Road, Xinyang Industry Zone of Haicang Xiamen, Fujian, 361028, People's Republic of China ~72: FENGHONG YIN;HANZHOU WU;HONGRAN CHU;LI SUN;LINYING WU;LU ZHUANG;PEIJUAN ZHU;QINGJIANG XIAO;TINGTING ZHANG;WEIDONG ZHOU;XIAOJIN LIAO~ 33:CN ~31:202110084507.X ~32:21/01/2021

2023/08047 ~ Complete ~54:THERAPEUTICALLY ACTIVE COMPOUNDS AND THEIR METHODS OF USE ~71:Les Laboratoires Servier, 50 Rue Carnot, SURESNES CEDEX 92284, FRANCE, France ~72: PRAKASH, Chandra Agarwal~ 33:US ~31:63/149,075 ~32:12/02/2021;33:US ~31:63/217,843 ~32:02/07/2021

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2023/08062 ~ Complete ~54:AN EDUCATIONAL AUXILIARY TEACHING DEVICE ~71:Zhengzhou Railway Vocational & Technical College, No. 56, Pengcheng Avenue, Zhengdong New Area, Zhengzhou, People's Republic of China ~72: Hou Binbin;Li Min;Liu Xinfang;Luo Yan;Yan Ran;Zhi Jingjing~

2023/08080 ~ Complete ~54:TOPICAL FORMULATION CONTAINING DISPERSED PREGABALIN ~71:EGIS GYÓGYSZERGYÁR ZRT., Keresztúri út, 30-38, 1106 Budapest, Hungary ~72: ADRIENN PÁLVÖLGYI;ANDRÁS FERENC WACHA;ANITA GULYÁS;ATTILA BÓTA;DÁNIEL ULEJ;EDIT PAPP;GÁBOR GIGLER;ISTVÁN GACSÁLYI;KRISZTINA MÓRICZ;ZOLTÁN VARGA~ 33:HU ~31:P2100019 ~32:22/01/2021;33:HU ~31:P2100021 ~32:22/01/2021

2023/08085 ~ Complete ~54:ENERGY-SAVING AND ENVIRONMENT-FRIENDLY DUST REMOVAL DEVICE FOR ARCHITECTURAL DECORATION, AND USING METHOD ~71:SHANDONG FANGDA ENGINEERING CO., LTD, No.133, Zikuang Road, Zichuan District,, Zibo, Shandong, 255150, People's Republic of China ~72: SONG, Shouxin;WANG, Chao;WANG, Houmin;XU, Shijie;YUAN, Mingyong~ 33:CN ~31:202210894478.8 ~32:27/07/2022

2023/08086 ~ Complete ~54:RNAI NANOPARTICLES AND METHODS OF USING SAME IN AGRICULTURE ~71:TECHNION RESEARCH & DEVELOPMENT FOUNDATION LIMITED, Senate House, Technion City, Israel;YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., Hi-Tech Park, Edmond J. Safra Campus, Givat Ram, P.O.B 39135, Israel ~72: AVITAL, Aviram;PERSKY, Zohar Lily;SADOT MUZIKA, Noy;SCHROEDER, Avi;SHOSEYOV, Oded~ 33:US ~31:63/139,904 ~32:21/01/2021

2023/08092 ~ Complete ~54:SYSTEM FOR GENERATING A RECUPERATION ENERGY-EFFICIENT TRACK FOR THE VEHICLE ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, UL. BUTYRSKIY VAL, D. 68/70, STR. 1, ET 4 KOM 97, MOSCOW, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021135842 ~32:06/12/2021

2023/08094 ~ Complete ~54:RETRACTABLE ACCESS MEANS WITH COLLAPSIBLE HANDRAIL ASSEMBLY ~71:BARJOH PTY LTD, 21 Friesian Close Oakford, Australia ~72: ELLEMENT, Nathan John~ 33:AU ~31:2021900144 ~32:22/01/2021

2023/08061 ~ Complete ~54:PHOTOVOLTAIC ENERGY STORAGE BOX ~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 ~31:202222242808.3 ~32:24/08/2022;33:CN ~31:202222242849.2 ~32:24/08/2022;33:CN ~31:202223096821.9 ~32:21/11/2022;33:CN ~31:202223096847.3 ~32:21/11/2022

2023/08065 ~ Complete ~54:COLORING DEVICE FOR ART DESIGN ~71:Duan Song, Hebei Vocational Art College, No.149 Qingyuan Street, Chang'an District, Shijiazhuang, Hebei, People's Republic of China ~72: Duan Song;Jinguo Guan;Yufeng Zhai;Zhihui Liu~

2023/08067 ~ Complete ~54:HIGH-EFFICIENCY REACTION KETTLE DEVICE FOR SEPARATING ALGAE LIQUID ~71:Xi'an Jinshan Yinshan Technology Co., Ltd., Room 1F306, Room C0101, Building 1, Chuangye

Plaza, No. 48 Keji Road, High tech Zone, Xi'an City, Shaanxi Province, 710075, People's Republic of China ~72: SUN Youreng;TANG Xiao;ZHANG Yan~

2023/08079 ~ Complete ~54:RECEIVERS FOR SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT ~71:PHILERGOS GROUP FOUNDATION, 201-309 1 Street East, Cochrane, Alberta, T4C 1Z3, Canada ~72: PAUL GIANNELIA~ 33:US ~31:63/146,812 ~32:08/02/2021;33:US ~31:17/665,531 ~32:05/02/2022

2023/08055 ~ Provisional ~54:EQUITABLE ECONOMIC TRANSFORMATION: A SYSTEM AND METHOD TO CATALYZE AN ECONOMY THROUGH SHARED VALUE FINANCE AND SHARED VALUE CREATION ~71:George Smith, 11 Vorster Place, South Africa ~72: George Smith~

2023/08056 ~ Provisional ~54:STRUCTURE AND CONSTRUCTION METHOD ~71:CITRA GROUP AG, c/o Benno Büeler, Schönenbergerweg 18, Switzerland ~72: BAUR, Joel;BUEELER, Benno;GRAF, Andreas~

2023/08070 ~ Complete ~54:KV7 CHANNEL ACTIVATORS COMPOSITIONS AND METHODS OF USE ~71:BioHaven Therapeutics Ltd., 215 Church Street, NEW HAVEN 06510, CT, USA, United States of America ~72: BELARDI, Justin K.;BOZIK, Michael E.;FLENTGE, Charles A.;HALE, James S.;HARRIED, Scott S.;MARESKA, David A;RESNICK, Lynn;TOPALOV, George T.~ 33:US ~31:62/644,902 ~32:19/03/2018;33:US ~31:62/644,932 ~32:19/03/2018;33:US ~31:62/663,438 ~32:27/04/2018;33:US ~31:62/697,198 ~32:12/07/2018

2023/08054 ~ Provisional ~54:CLEANING FORMULA ~71:Pranil Pooran Hagroo, 1101 Imbali, 112 Tudhope Avenue, South Africa ~72: Pranil Pooran Hagroo~

2023/08064 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE PILL FOR RELIEVING BREAST ACUTE MASTITIS, NODULE, HYPERPLASIA AND TOXIC SWELLING, AND PREPARATION METHOD THEREOF ~71:XIANG Erlei, Xiangzhong Group, Xiangdang Village, Shuyang Nanhu Street, Suqian City, Jiangsu Province, People's Republic of China ~72: XIANG Erlei~

2023/08074 ~ Complete ~54:METHODS OF TRANSPORTING SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS AND REDUCING CARBON DIOXIDE EMISSIONS ~71:PHILERGOS GROUP FOUNDATION, 201-309 1 Street East, Cochrane, Alberta, T4C 1Z3, Canada ~72: PAUL GIANNELIA~ 33:US ~31:63/146,812 ~32:08/02/2021;33:US ~31:17/665,532 ~32:05/02/2022

2023/08087 ~ Complete ~54:A METHOD FOR THE IN VITRO DIAGNOSIS OF INFECTION ~71:ORIGINAL G B.V., Verdilaan 1, Netherlands ~72: BURTON, Matthew Francis;GAZENDAM, Joost Alexander Christiaan~ 33:NL ~31:NL 2027785 ~32:19/03/2021

2023/08090 ~ Complete ~54:METHOD FOR GENERATING A MODIFIED ENERGY-EFFICIENT DRIVING ROUTE FOR THE VEHICLE IN OPERATION ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, UL. BUTYRSKIY VAL, D. 68/70, STR. 1, ET 4 KOM 97, MOSCOW, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2022101929 ~32:28/01/2022

2023/08098 ~ Complete ~54:QUALITY INSPECTION METHOD FOR WIND POWER EQUIPMENT ~71:INNER MONGOLIA AUTONOMOUS REGION INSTITUTE OF PRODUCT QUALITY INSPECTION, QUALITY SUPERVISION BUILDING, PETROCHEMICAL ROAD, People's Republic of China ~72: DUAN, Bin;LI, Xinzhao;LIU, Lu;MA, Yanqing;REN, Wei;WANG, Huijuan;YUN, Jianbin;ZHANG, Wenqing;ZHOU, Lu~

2023/08069 ~ Complete ~54:PLANTING SOIL PREPARED BY USING SOLID WASTE AS RAW MATERIAL AND APPLICATION OF SAME ~71:SHANGHAI ACADEMY OF LANDSCAPE ARCHITECTURE SCIENCE AND

PLANNING, No. 899 Longwu Road, Xuhui District, Shanghai, 200231, People's Republic of China ~72: FU Renjie;HAO Guanjun;YANG Na;YIN Lijuan;ZHANG Dongmei;ZHANG Lang~ 33:CN ~31:202211510344.8 ~32:29/11/2022

2023/08063 ~ Complete ~54:HIGH-PRESSURE CAVITATION WATER JET STRENGTHENING DEVICE AND METHOD FOR PIPELINE COMPONENTS ~71:Nantong University, No. 9 Seyuan Road, Nantong City, Jiangsu Province, People's Republic of China ~72: CAO Yupeng;CHEN Zhen;SHI Weidong;TAN Linwei;WANG Gaowei;WANG Zhengang;YANG Yongfei~

2023/08081 ~ Complete ~54:TOPICAL FORMULATION CONTAINING MODIFIED PHOSPHOLIPID COMPOUNDS ~71:EGIS GYÓGYSZERGYÁR ZRT., Keresztúri út, 30-38, 1106 Budapest, Hungary ~72: ADRIENN PÁLVÖLGYI;ANDRÁS FERENC WACHA;ANITA GULYÁS;ATTILA BÓTA;DÁNIEL ULEJ;EDIT PAPP;GÁBOR GIGLER;ISTVÁN GACSÁLYI;KRISZTINA MÓRICZ;ZOLTÁN VARGA~ 33:HU ~31:P2100019 ~32:22/01/2021;33:HU ~31:P2100021 ~32:22/01/2021

2023/08083 ~ Complete ~54:ANGULAR ANNEALING PROCESS ~71:THE SUPREME INDUSTRIES LIMITED, Solitaire Corporate Park, Building No 11, 6th Floor, Chakala, Andheri East, Mumbai, 400 093, India ~72: OLE-BENDT RASMUSSEN~

2023/08095 ~ Provisional ~54:BUDGET SAFE ~71:Balungile Mnyaka, 17 Finch Street, International Bureau of the World Intellectual Property Organisation ~72: Balungile Mnyaka;Mphathise Dayimani;Nomalungelo Mnyaka;Siphe Mnyaka~

2023/08057 ~ Provisional ~54:LED CUP ~71:Mongezi Bruce Faku, X1680 Wessie Street Jouberton, South Africa ~72: Mongezi Bruce Faku~

2023/08060 ~ Provisional ~54:ASHAS FUTURE FOOD ~71:Stapleton Bosealetse, 5 Botes street, Clayville West, South Africa;Stapleton Bosealetse, 5 Botes street, Clayville West, South Africa ~72: Stapleton Bosealetse~

2023/08076 ~ Complete ~54:METHOD FOR DECOLORING OF A TEXTILE MATERIAL ~71:SÖDRA SKOGSÄGARNA EKONOMISK FÖRENING, 351 89, Växjö, Sweden ~72: ANNA PALME;HARALD BRELID;JIM PARKÅS~ 33:SE ~31:2150245-5 ~32:04/03/2021

2023/08088 ~ Complete ~54:LRRC15 ANTIBODIES AND CONJUGATES THEREOF ~71:Bayer AS, Drammensveien 288, OSLO 0283, NORWAY, Norway;Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: BJERKE, Roger Malerbakken;ELLINGER, Philipp;HAGEMANN, Urs Beat;MÄRSCH, Stephan;ROIDER, Helge;SCHUHMACHER, Joachim;TRAUTWEIN, Mark;WENGNER, Antje Margret~ 33:EP ~31:21152886.4 ~32:22/01/2021

2023/08089 ~ Complete ~54:APPARATUS AND METHODS FOR SELECTIVE CAPTURE OF MYCOBACTERIA ~71:Drizzle Health LLC, 3107 Tilden Drive, BALTIMORE 21211, MD, USA, United States of America ~72: ACHARYA, Soumyadipta;MANABE, Yukari;MAO, Hai Quan;MATHEKGA, Bonolo;SINGH, Digvijay~ 33:US ~31:63/140,465 ~32:22/01/2021

2023/08068 ~ Complete ~54:AN ADJUSTABLE WALL CONNECTING PIECE ~71:CHINA CONSTRUCTION FIFTH ENGINEERING BUREAU CO., LTD., No. 158 Zhongyi 1st Road, Yuhua District, Changsha, People's Republic of China ~72: CHEN, Jiexiang;CHEN, Zhaojun;DENG, Shengqiang;KANG, Guixin;LIU, Yang;SU, Guangyuan;WANG, Mengzhao;WANG, Rongyuan;YE, Kuifang;ZHENG, Yinrao~

2023/08072 ~ Complete ~54:METHODS OF CANCER TREATMENT USING ANTI-TIGIT ANTIBODIES IN COMBINATION WITH ANTI-PD1 ANTIBODIES ~71:BEIGENE SWITZERLAND GMBH, Aeschengraben 27, Switzerland ~72: LI, Kang;LIU, Qi;WEI, Min;XUE, Liu;ZHANG, Tong;ZUO, Yunxia~ 33:CN ~31:PCT/CN2021/073083 ~32:21/01/2021;33:CN ~31:PCT/CN2021/073308 ~32:22/01/2021;33:CN ~31:PCT/CN2021/074141 ~32:28/01/2021;33:CN ~31:PCT/CN2021/074644 ~32:01/02/2021;33:CN ~31:PCT/CN2021/075310 ~32:04/02/2021;33:CN ~31:PCT/CN2021/091822 ~32:05/05/2021

2023/08077 ~ Complete ~54:SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT ~71:PHILERGOS GROUP FOUNDATION, 201-309 1 Street East, Cochrane, Alberta, T4C 1Z3, Canada ~72: PAUL GIANNELIA~ 33:US ~31:63/146,812 ~32:08/02/2021;33:US ~31:17/665,520 ~32:05/02/2022

2023/08091 ~ Complete ~54:METHOD FOR GENERATING AN ENERGY-EFFICIENT TRACK FOR A VEHICLE ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, UL. BUTYRSKIY VAL, D. 68/70, STR. 1, ET 4 KOM 97, MOSCOW, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021122338 ~32:27/07/2021

2023/08058 ~ Provisional ~54:KNOWLEDGE & MODEL-BASED PREDICTIVE CONTROL FOR ONLINE CLOSED-LOOP CONTROL AND OPTIMISATION OF AN ELECTRICITY POWER GRID ~71:Eric David Stillerman, 106 San Vito , 1 Leigh Avenue , Fairvale 2192 , Johannesburg, South Africa;Prof Tony Brian Lange, 9 Eldorado Rd , Victory Park, 2195 , Johannesburg , Gauteng, South Africa ~72: Eric David Stillerman;Tony Brian Lange~

2023/08066 ~ Complete ~54:MICROBIAL AGENT CONTAINING ASPERGILLUS ACULEATUS AND APPLICATION THEREOF ~71:Guangxi Academy of Specialty Crops, No. 40 Putuo Road, Qixing District, Guilin, Guangxi, People's Republic of China ~72: HAN Yang;LEI Cuiyun;LI Yijie;LOU Binghai;SONG Yaqin;ZHANG Song~

2023/08071 ~ Complete ~54:SECTION CONTROL SYSTEM ~71:Ausplow Pty. Ltd., 6 Davison Road, COCKBURN CENTRAL 6164, WA, AUSTRALIA, Australia ~72: LOVELL, Brett Forbes;RYAN, John William~ 33:AU ~31:2022902397 ~32:22/08/2022

2023/08075 ~ Complete ~54:SODIUM SULFATE BY-PRODUCT PROCESSING IN LITHIUM AND BATTERY CHEMICAL PRODUCTION ~71:HATCH LTD., 2800 Speakman Drive, Mississauga, Ontario, L5K 2R7, Canada ~72: EVANGELOS STAMATIOU;ROBERT JOHN FRASER~ 33:US ~31:63/150,797 ~32:18/02/2021

2023/08084 ~ Complete ~54:TELEOPERATED TRANSFER DEVICE AND METHOD FOR COMPONENT MAINTENANCE OF NUCLEAR FUSION DEVICE ~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~

2023/08093 ~ Complete ~54:METHOD FOR GENERATING AN ENERGY-EFFICIENT TRACK FOR A VEHICLE ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, UL. BUTYRSKIY VAL, D. 68/70, STR. 1, ET 4 KOM 97, MOSCOW, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021114615 ~32:24/05/2021

2023/08078 ~ Complete ~54:METHODS OF PREPARING SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT ~71:PHILERGOS GROUP FOUNDATION, 201-309 1 Street East, Cochrane, Alberta, T4C 1Z3,

Canada ~72: PAUL GIANNELIA~ 33:US ~31:63/146,812 ~32:08/02/2021;33:US ~31:17/665,522 ~32:05/02/2022

2023/08059 ~ Provisional ~54:DOC CERTIFY ~71:Balungile Mnyaka, 17 Finch Street, International Bureau of the World Intellectual Property Organisation ~72: Balungile Mnyaka;Mphathise Dayimani;Siphe Mnyaka~

2023/08073 ~ Complete ~54:PROCESS FOR PRODUCING A NOBLE METAL-MODIFIED GRAPHITIZED CARBON MATERIAL AND SUPPORTED CATALYST ~71:HERAEUS DEUTSCHLAND GMBH & CO. KG, Heraeusstraße 12 – 14, Germany ~72: EWEINER, Florian;SIEVI, Robert;STOICA, Leonard~ 33:EP ~31:21161921.8 ~32:11/03/2021

2023/08082 ~ Complete ~54:METHODS AND SYSTEMS OF TREATING WATER ~71:PDT HOLDINGS, LLC, 122 South Benchview Dr. Tooele, Utah 84074, United States of America ~72: BREE MCKINLEY;TROY MCKINLEY~ 33:US ~31:63/118,465 ~32:25/11/2020

. - APPLIED ON 2023/08/22 -

2023/08182 ~ Complete ~54:FARM IRRIGATION WHEEL ~71:SHARK WHEEL, INC., 22600 Lambert St., #704-A, United States of America ~72: David M. PATRICK~ 33:US ~31:17/189,645 ~32:02/03/2021;33:US ~31:17/653,158 ~32:02/03/2022

2023/08107 ~ Complete ~54:A SYSTEM TO PERFORM MICROWAVE PRETREATMENT AND ANALYZE ITS IMPACT ON ANAEROBIC DIGESTION OF SLUDGE ~71:Dr. J. Rajesh Banu, Department of Life Sciences, Central University of Tamilnadu,Thiruvarur, 610005, India;Dr. R. UmaRani, Department of Civil Engineering, Ponjesly college of Engineering, Nagercoil, India ~72: Dr. J. Rajesh Banu;Dr. R. UmaRani;Dr. S. AdishKumar;Dr. S. Kaliappan~

2023/08114 ~ Complete ~54:DTMB SET-TOP BOX RESPONDING TO EMERGENCY BROADCAST VIA FM-CDR ~71:Lu'an JingShunChangHua Technology Co., Ltd., 2nd Floor, Area A, Science And Technology Innovation Center, Intersection Of Yingbin Avenue And Gaocheng Road, Lu'an Economic And Technological Development Zone, Lu'an, Anhui, 237014, People's Republic of China ~72: WANG, Xiuli~

2023/08124 ~ Complete ~54:METHOD FOR CHECKING INDIVIDUALS WITH SIMPLIFIED AUTHENTICATION ~71:Idemia Identity & Security France, 2 place Samuel de Champlain, COURBEVOIE 92400, FRANCE, France ~72: DUVILLE, Pascal;MERCIER, Laurent;VAN PROOIJEN, Joost;VIELLEPEAU, Joel~ 33:FR ~31:2102940 ~32:24/03/2021

2023/08130 ~ Provisional ~54:KELLY-STYLE SOOTHING PATCH ~71:Caroline Renze, 20 Winterberg Street, Dalpark Ext.6, South Africa ~72: Caroline Renze~

2023/08104 ~ Complete ~54:UNIFORM WARMING INDUSTRIAL MICROWAVE STERILIZATION DEVICE ~71:Anhui Science And Technology University, 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72: GAO, Shusheng;LI, Jingjun;LI, Xianbao;WU, Xiaowei;XIONG, Guoyuan;ZHENG, Haibo~

2023/08125 ~ Complete ~54:COMPOSITIONS AND METHODS FOR POLLEN STORAGE ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST LOUIS 63167, MO, USA, United States of America ~72: SPIESS, Gretchen;STENDAL, Chad A.~ 33:US ~31:63/155,714 ~32:02/03/2021

2023/08129 ~ Complete ~54:TIRE REPAIR KIT AND METHOD FOR INFLATING AND/OR SEALING A TIRE ~71:KT PROJEKTENTWICKLUNGS-GMBH, Edisonstrasse 25, Germany ~72: SPINDLER, Martin;TSIBERIDIS, Konstantin~ 33:DE ~31:10 2021 101 463.8 ~32:25/01/2021

2023/08116 ~ Complete ~54:LIPID NANOPARTICLE (LNP) ENCAPSULATION OF MRNA PRODUCTS ~71:NATURE'S TOOLBOX, INC., 7701 Innovation Way, Rio Rancho, United States of America ~72: KOGLIN, Alexander~ 33:US ~31:63/152,460 ~32:23/02/2021

2023/08120 ~ Complete ~54:MULTISPECIFIC ANTI-TCR DELTA VARIABLE 1 ANTIBODIES ~71:F-STAR THERAPEUTICS LIMITED, Eddeva B920, Babraham Research Campus, Cambridge, Cambridgeshire, CB22 3AT, United Kingdom;GAMMADELTA THERAPEUTICS LTD, 1 Kingdom Street, London, W2 6BD, United Kingdom ~72: JOSHUA FREEDMAN;MARK UDEN;MIHRIBAN TUNA;NATALIE MOUNT~ 33:GB ~31:2102224.9 ~32:17/02/2021;33:GB ~31:2111685.0 ~32:14/08/2021

2023/08126 ~ Complete ~54:TENSION MONITORING APPARATUS ~71:JR Dynamics Limited, 1 Innovation Way, Northumberland Business Park, CRAMLINGTON NE23 7FP, NORTHUMBERLAND, UNITED KINGDOM, United Kingdom ~72: LOWRY, Steve;ROSINSKI, Jarek;ROSINSKI, Krzysztof;ROSINSKI, Tomasz~ 33:GB ~31:2102554.9 ~32:23/02/2021

2023/08096 ~ Provisional ~54:A LOADING ARRANGEMENT ~71:FOURIE, Johannes, Jacobus, 66 BERRYHEAD LANE, CORNWALL HILL, 0178, SOUTH AFRICA, South Africa ~72: FOURIE, Johannes, Jacobus~

2023/08100 ~ Complete ~54:METHOD FOR EXTRACTING TOTAL RNA FROM PLATEAU PLANT OXYTROPIS GLACIALIS ~71:Tibet University, 10 Zangdadong Road, Lhasa, Tibet Autonomous Region, People's Republic of China ~72: CAO Pengxi;LA Qiong;LIU Xing;LIU Yixuan;MA Hongmei;PU Dun;ZHANG Jifeng;ZHOU Yonghong~ 33:CN ~31:2022111266520 ~32:16/09/2022

2023/08105 ~ Complete ~54:POSITION-ADJUSTABLE CABLE ERECTION DEVICE OF CABLEWAY BRIDGES ~71:CCCC FIRST HIGHWAY ENGINEERING GROUP CO., LTD, Shitong Building A, Zhoujiajing, Guanzhuang, Chaoyang District, Beijing, 100000, People's Republic of China;THIRD ENGINEERING CO.,LTD OF CCCC FIRST HIGHWAY ENGINEERING GROUP, No. 10 Jingsheng North Third Street, Jinqiao Science and Technology Industrial Base, Tongzhou Park, Zhongguancun Science and Technology Park, Tongzhou District, Beijing, 101102, People's Republic of China ~72: Cheng ZHANG;Dengke GUO;Gongxiang SHANG;Jianyun LI;Junlin BAI;Li WANG;Song CHENG;Tianwei TANG;Xiaowei QIAO;Xinyu YAN;Yong LI;Yongwei GUO;Zhenguo LIU;Zhenhua ZHAO;Zhifei ZHANG;Zhiyong SUN~

2023/08112 ~ Complete ~54:A SYSTEM AND METHOD FOR ENHANCING THE QUALITY OF SERVICE OF THE INTERNET OF MEDICAL THINGS ~71:Dr. Rajesh Bose, Department of Computer Science & Engineering, School of Engineering JIS University Kolkata, Agarpara Campus, Kolkata, 81, Nilgunj Road, Agarpara, Kolkata, 700109, India;Dr. Sandip Roy, Department of Computer Science & Engineering, School of Engineering JIS University Kolkata, Agarpara Campus, Kolkata, 81,Nilgunj Road, Agarpara, Kolkata, 700109, India;Dr. Sunil Karforma, Professor, Dept. of Computer Science, The University of Burdwan Burdwan, West-Bengal, 713104, India;Shrabani Sutradhar, Assistant Professor, Department of Computational Science, Brainware University, 398, Ramkrishnapur Road, Barasat, Near Jagadighata Market, Kolkata, West Bengal, 700125, India ~72: Dr. Rajesh Bose;Dr. Sandip Roy;Dr. Sunil Karforma;Shrabani Sutradhar~

2023/08122 ~ Complete ~54:MIXTURE OF HMOS AND BIFIDOBACTERIA ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BOGICEVIC, Biljana;DE BRUYN, Florac;DUBOUX, Stéphane;JOHNSON, Katja;MAES, Dominick~ 33:EP ~31:21154300.4 ~32:29/01/2021

2023/08101 ~ Complete ~54:WATER SURFACE GARBAGE COLLECTION DEVICE ~71:Xi'an Yiyangze Environment Technology Co., Ltd., Room 20702-292, 7th Floor, Unit 2, Building 1, Oak Tree Constellation, North of Keji 5th Road, High tech Zone, Xi'an City, Shaanxi Province, 710075, People's Republic of China ~72: LI Haocheng;SUN Xiaoxiao;SUN Xin;WANG Weiqiao~

2023/08109 ~ Complete ~54:METHOD FOR PREPARING NI-CO ALLOY MATERIAL ~71:YUZHOU XIN JIAHUI NEW MATERIALS TECHNOLOGY CO., LTD., 16, Yangzhai Avenue, Yingchuan Street, Yuzhou City, Henan Province, People's Republic of China ~72: AN, NING;FENG, CANJUN~

2023/08117 ~ Complete ~54:VALVE ASSEMBLY FOR A PRE-CHARGED PNEUMATIC AIRGUN ~71:HENDRIK FREDERIK DU PLESSIS, Condominio El Claro de Maitencillo, El Tigre V6-5164 SR, Lote 29, Chile ~72: HENDRIK FREDERIK DU PLESSIS~ 33:ZA ~31:2021/01261 ~32:25/02/2021

2023/08123 ~ Complete ~54:BIOMARKER FOR ASSESSING THE RISK OF DEVELOPING ACUTE COVID-19 AND POST-ACUTE COVID-19 ~71:Omeros Corporation, 201 Elliott Avenue West, SEATTLE 98119, WA, USA, United States of America ~72: DEMOPULOS, Gregory A.;DUDLER, Thomas;LYNCH, Nicholas James;SCHWAEBLE, Hans-Wilhelm;SHAFFER, Kathleen;YABUKI, Munehisa~ 33:US ~31:63/146,479 ~32:05/02/2021;33:US ~31:63/277,361 ~32:09/11/2021

2023/08097 ~ Provisional ~54:FOLDABLE TANK ~71:FREDERICK ANDRE DU PREEZ, 51 SUNNINGDALE DRIVE, South Africa ~72: FREDERICK ANDRE DU PREEZ~

2023/08099 ~ Complete ~54:NANOBUBBLE GENERATING DEVICE WITH ANTI-BLOCKING FUNCTION BASED ON WATER FLOW SHEARING ~71:Xi'an Jinshan Yinshan Technology Co., Ltd., Room 1F306, Room C0101, Building 1, Chuangye Plaza, No. 48 Keji Road, High tech Zone, Xi'an City, Shaanxi Province, 710075, People's Republic of China ~72: SUN Junyu;SUN Youreng;TANG Xiao~

2023/08103 ~ Complete ~54:A METHOD FOR STUDENTS' PRIVATE INFORMATION PROTECTION BASED ON DEEP LEARNING ~71:Jiaxing Vocational & Technical College, No. 547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Shengyu Xie;Yun Pan~ 33:CN ~31:202310924681.X ~32:26/07/2023

2023/08113 ~ Complete ~54:DTMB SET-TOP BOX WAKEN UP BY FM-CDR AND USED FOR EMERGENCY BROADCAST ~71:Lu'an JingShunChangHua Technology Co., Ltd., 2nd Floor, Area A, Science And Technology Innovation Center, Intersection Of Yingbin Avenue And Gaocheng Road, Lu'an Economic And Technological Development Zone, Lu'an, Anhui, 237014, People's Republic of China ~72: WANG, Xiuli~

2023/08119 ~ Complete ~54:PHARMACEUTICAL COMPOSITION CONTAINING ANTI-TSLP ANTIBODY ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No. 369 Yuzhou South Rd., Lianyungang, Jiangsu, 222062, People's Republic of China ~72: LINGJIE KONG;XIAOLU GUO;YANJU CHENG~ 33:CN ~31:202110235660.8 ~32:03/03/2021

2023/08128 ~ Complete ~54:OPTICAL FIBER CABLE AND SYSTEM AND METHOD OF DISTRIBUTING ULTRA HIGH POWER USING THE SAME ~71:Macleon, LLC, 3632 Dauphin Street, Suite 101-B, MOBILE 36605 , AL, USA, United States of America ~72: MCKENNA, Edward;WALLACE Jr. , Gerald Leon~ 33:US ~31:63/140,736 ~32:22/01/2021;33:US ~31:63/266,144 ~32:29/12/2021

2023/08106 ~ Complete ~54:A CLAY CALCINATION ROTARY KILN STRUCTURE ~71:CBMI CONSTRUCTION CO., LTD., No. 7 Xingfu Road, Fengrun District, Tangshan City, People's Republic of China ~72: CAO, Xinming;DENG, Yuhua;SUN, Xuecheng;WANG, Qiang;ZHANG, Chao;ZHANG, Haiping~ 33:CN ~31:2022222903301 ~32:30/08/2022

2023/08111 ~ Complete ~54:A METHOD FOR ESTABLISHING A ROCK CONSTITUTIVE MODEL CONSIDERING CRACK EXPANSION ~71:CHIFENG SHANJIN HONGLING NONFERROUS MINING CO., LTD., Chifeng, Inner Mongolia, Bairin Left Banner, Ulandaba, People's Republic of China;UNIVERSITY OF SCIENCE

AND TECHNOLOGY BEIJING, No. 30 Xueyuan Road, Haidian District, People's Republic of China ~72: FU, Jianxin;SHI, Tianyi;WANG, Guannan;WANG, Jie;YU, Qingjun~ 33:CN ~31:202211688713.2 ~32:28/12/2022

2023/08118 ~ Complete ~54:CDK INHIBITOR ~71:SHANGHAI QILU PHARMACEUTICAL RESEARCH AND DEVELOPMENT CENTRE LTD., Building 1, No. 576 Li Bing Road, No. 56 Faraday Road, China (Shanghai), Pilot Free Trade Zone Shanghai, 201203, People's Republic of China ~72: DAQING SUN;XIAOXIA YAN~ 33:CN ~31:202110161786.5 ~32:05/02/2021;33:CN ~31:202110483256.2 ~32:30/04/2021;33:CN ~31:202111062178.5 ~32:10/09/2021;33:CN ~31:202111398260.5 ~32:19/11/2021;33:CN ~31:202210048365.6 ~32:17/01/2022

2023/08121 ~ Complete ~54:MULTIFACTOR AUTHENTICATION THROUGH CRYPTOGRAPHY-ENABLED SMART CARDS ~71:BREX INC., 12832 Frontrunner Blvd, Suite 500, Draper, Utah, 84020, United States of America ~72: JEFF VENABLE~ 33:US ~31:63/183,496 ~32:03/05/2021;33:US ~31:17/562,952 ~32:27/12/2021

2023/08127 ~ Complete ~54:APPLICATOR HEAD WITH DOSING AID ~71:GSK Consumer Healthcare SARL, Route de l'Etraz, PRANGINS 1197, SWITZERLAND, Switzerland ~72: FRADIN, Sylvain Patrice Dominique;SABHERWAL, Amit~ 33:US ~31:17/184,850 ~32:25/02/2021;33:US ~31:17/411,277 ~32:25/08/2021

2023/08102 ~ Complete ~54:CARBON CAPTURE ASSISTANT SYSTEM AND CO2 SEALING METHOD FOR CEMENT PRODUCTION LINE ~71:CBMI CONSTRUCTION CO., LTD., No. 7 Xingfu Road, Fengrun District, Tangshan City, People's Republic of China ~72: DENG, Yuhua;LI, Runguo;SUN, Xuecheng;TAO, Ying;WANG, Bin;WANG, Guomin;YAO, Xiuli;ZHANG, Chao;ZHENG, Xianming~ 33:CN ~31:2023103874092 ~32:12/04/2023

2023/08108 ~ Complete ~54:PLANTING METHOD FOR UPRIGHT HIGH-YIELD CHERRIES ~71:ZHANG, Faming, NO. 400, ZHAILI VILLAGE, People's Republic of China ~72: ZHANG, Faming~

2023/08110 ~ Complete ~54:A HANDLE CONNECTOR FOR A BARBECUE GRID ~71:STYLE IN STAINLESS CC T/A STEELCRAFT, 6-8 Gemini Street, South Africa ~72: LOURENS, Wilhelm;MARX, Jacobus Jerimias~

2023/08115 ~ Complete ~54:DTMB SET-TOP BOX WAKEN UP BY FM-CDR FOR EMERGENCY BROADCAST ~71:Lu'an JingShunChangHua Technology Co., Ltd., 2nd Floor, Area A, Science And Technology Innovation Center, Intersection Of Yingbin Avenue And Gaocheng Road, Lu'an Economic And Technological Development Zone, Lu'an, Anhui, 237014, People's Republic of China ~72: WANG, Xiuli~

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2023/08144 ~ Complete ~54:NEUROTOXIN COMPOSITIONS FOR USE IN TREATING HEADACHE ~71:AEON BIOPHARMA, INC., 5 PARK PLAZA, SUITE 1750, IRVINE, CA 92614, USA, United States of America ~72: BLUMENFELD, Andrew, M.;BROOKS, Gregory, F.;STAGG, Adelbert, L.~ 33:US ~31:63/154,572 ~32:26/02/2021

2023/08148 ~ Complete ~54:METHOD AND SYSTEM FOR PRODUCING DIRECT REDUCED METAL ~71:GREENIRON H2 AB, Box 2376, Sweden ~72: MURRAY, Hans~ 33:SE ~31:2150290-1 ~32:12/03/2021

2023/08156 ~ Complete ~54:SPUR WHEEL SCRAPER ~71:METSO OUTOTEC USA INC., 20965 Crossroads Circle, Waukesha, Wisconsin, 53186, United States of America ~72: BRANDON JOHN SCHUERMAN;STEVEN E RICHARDSON;WAYNE EUGENE MYERS~ 33:US ~31:17/197,346 ~32:10/03/2021

2023/08160 ~ Complete ~54:CRUSHER ROTOR ~71:METSO OUTOTEC FINLAND OY, Lokomonkatu 3, PL 306, 331 01, Tampere, Finland ~72: JONI TATTARI;VILLE JÄRVENPÄÄ~ 33:EP ~31:21161598.4 ~32:09/03/2021

2023/08167 ~ Complete ~54:PRE-STABILISATION REACTOR AND SYSTEM ~71:Deakin University, 1 Gheringhap Street, GEELONG 3220, VICTORIA, AUSTRALIA, Australia ~72: ATKISS, Stephen Paul;MAGHE, Maxime Robert~

2023/08132 ~ Provisional ~54:COMPRESSION BLAST PLUG ~71:ENG Consulting Services (Pty) Ltd, Portion 104 Farm 512, Vaalbank, Rustenburg Road, South Africa ~72: DUFFIELD, Eric Jurgens;YOULDON, Gavin Ronald~

2023/08136 ~ Provisional ~54:MODIFIED AUTOMATIC RECESSED SKIMMER WITH WEIR DRAWER ~71:BEAUCHAMP, Siobhan, 1 Melinda Lane, Picket Wood Farm, Taffeni, South Africa;HOWDEN, Gregory Ronald, 1 Melinda Lane, Picket Wood Farm, Taffeni, South Africa ~72: BEAUCHAMP, Siobhan~

2023/08139 ~ Complete ~54:TRAFFIC LIGHT CONTROL SYSTEM AND CONTROL METHOD THEREOF ~71:Anhui Polytechnic University, Beijin Road, Wuhu City, Anhui Province, 241000, People's Republic of China;Electronic Radar (Wuhu) Technology CO.,Ltd, No.156,Wanchun Middle Road, Jiujiang Zone, Wuhu City, Anhui Province, 241000, People's Republic of China;Yangtze River Delta HIT Robot Technology Research Institute, No. 17,Shenzhou Road, Jiujiang Zone, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: CHEN Shuang;LI Shengjie;LIU Guiru;SUN Jian;WANG Lulin;WANG Wei~

2023/08146 ~ Complete ~54:VIEWING OPTIC WITH IMPACT ABSORPTION MATERIAL ~71:SHELTERED WINGS, INC. d/b/a VORTEX OPTICS, ONE VORTEX DRIVE, BARNEVELD, WI 53507, USA, United States of America ~72: BEAUCHENE, Kellen;MORELL, Rob;TOY, Seth~ 33:US ~31:63/143,204 ~32:29/01/2021

2023/08155 ~ Complete ~54:A CRUSHING EQUIPMENT AND A METHOD FOR CONTROLLING THE SAME ~71:METSO OUTOTEC FINLAND OY, Lokomonkatu 3, PL 306, 331 01, Tampere, Finland ~72: PAAVO NIEMINEN~ 33:EP ~31:21161595.0 ~32:09/03/2021

2023/08161 ~ Complete ~54:MARKING OF CARBONACEOUS FLUIDS ~71:MEDICAL DIAGNOSTECH (PTY) LTD, Unit 3 on London, London Circle, Brackengate Business Park, South Africa ~72: MUNGUR, Lyndon Barry;UYS, Ashley Thurston~ 33:GB ~31:2102614.1 ~32:24/02/2021

2023/08164 ~ Complete ~54:A SYSTEM AND METHOD FOR SECURE TRANSACTIONS ~71:Data Mesh Group Pty Ltd, Suite 1, Level 29, Tower 1, 100 Barangaroo Ave, BARANGAROO 2000, NSW, AUSTRALIA, Australia ~72: HAFEZ, Tareq~ 33:AU ~31:2021901044 ~32:09/04/2021

2023/08131 ~ Provisional ~54:MICROBIAL DISPENSING SYSTEM ~71:DE VILLIERS, Albertus, Johannes, 29A BURGER STREET, POTCHEFSTROOM, 2526, South Africa ~72: DE VILLIERS, Albertus, Johannes~

2023/08134 ~ Provisional ~54:SECURITY CLIP ~71:BAREND CAROLUS VAN TUBBERGH, 58 Culemborg Cast Stellenberg, Cape Town, 7550, South Africa;JASON LESLIE TAYLOR, 18 Dreyersdal Farm, Bergvliet, Cape Town, South Africa;JEREMY WINGATE CARPENTER, 3 Athlone Road, Plumstead, Cape Town, 7800, South Africa ~72: BAREND CAROLUS VAN TUBBERGH;JASON LESLIE TAYLOR;JEREMY WINGATE CARPENTER~

2023/08150 ~ Complete ~54:SNUBBER SYSTEM FOR RETARDING SWINGING MOVEMENT OF DOORS OF DIPPERS ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: ANYASO, Uchendu O.~ 33:US ~31:17/184,718 ~32:25/02/2021

2023/08152 ~ Complete ~54:AEROSOL PRECURSOR FORMULATIONS ~71:RAI STRATEGIC HOLDINGS, INC., 401 North Main Street, United States of America ~72: DAVIS, Michael F.;FIGLAR, James N.;GARNETT, Carolyn;TALUSKIE, Karen V.;WILBERDING, Kathryn~ 33:US ~31:63/153,255 ~32:24/02/2021

2023/08166 ~ Complete ~54:CYCLOBUTRIFLURAM SUSPENSION CONCENTRATE COMPOSITION ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BIRCHER, Rene Rolf;BREMONT, Anne-Laure;GARO, Kerstin;JANKER, Marion;KIENTZ, Heloise;MEUNIER, Celine;SCHNEIDER, Sandra;SIEBOLD, Claudia~ 33:EP ~31:21163830.9 ~32:19/03/2021;33:EP ~31:21163833.3 ~32:19/03/2021;33:EP ~31:21163835.8 ~32:19/03/2021

2023/08135 ~ Provisional ~54:A COOLER BOX ASSEMBLY ~71:PRETORIUS, Jan Carel, 901 Witwatersrand Street, Strubensvalley, ROODEPOORT 1724, Gauteng Province, SOUTH AFRICA, South Africa ~72: PRETORIUS, Jan Carel~

2023/08197 ~ Provisional ~54:GUIDEME SOFTWARE APP ~71:Coenraad Jacobus Harmsen, 18 Trevor Street, Wilkoppies, North west, South Africa ~72: Coenraad Jacobus Harmsen~

2023/08133 ~ Provisional ~54:INTERNAL COMBUSTION DRIVEN VEHICLE ADAPTATION SYSTEM AND KIT ~71:BELLINGAN, Heine, Joost, 206 LAWLEY STREET, WATERKLOOF, SOUTH AFRICA, South Africa ~72: BELLINGAN, Heine, Joost~

2023/08141 ~ Complete ~54:FOOD PRODUCT DISPENSER WITH REMOVABLE MODULE ~71:Rich Products Corporation, One Robert Rich Way, BUFFALO 14213, NY, USA, United States of America ~72: CAMPBELL, Shawn;KIM, Jeff;REISER, Ralf~ 33:US ~31:62/985,142 ~32:04/03/2020

2023/08162 ~ Complete ~54:REMOVABLE SHELF FOR RIGID CONTAINERS FOR DRY GOODS ~71:CHEP TECHNOLOGY PTY LIMITED, Level 29, 255 George Street, Australia ~72: ASENSIO COTILLAS, Luis;URAN, Daniel Lopez~ 33:GB ~31:2102413.8 ~32:20/02/2021

2023/08137 ~ Provisional ~54:METHOD OF MANUFACTURING A FRAME ~71:HERMANUS STEPHANUS PRETORIUS, 127 LINVELT ROAD ONDERSTEPOORt,, South Africa ~72: HERMANUS STEPHANUS PRETORIUS~

2023/08140 ~ Complete ~54:A DETONATOR HOLDER ~71:PLASTIC INNOVATIONS (PTY) LTD, 2 Aintree Street, Savoy Estate, South Africa ~72: STEPHEN CHARLES LIPSCHITZ~

2023/08143 ~ Complete ~54:FILTER UNIT LIFTING SYSTEM ~71:VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, L'AQUARÈNE, 1 PLACE MONTGOLFIER, 94417 SAINT-MAURICE, CEDEX, FRANCE, France ~72: LARSSON, Per;SVENSSON, Kjell~ 33:SE ~31:2150112-7 ~32:01/02/2021

2023/08145 ~ Complete ~54:CYCLIC FLOW APPARATUS ~71:DONALDSON COMPANY, INC., 1400 WEST 94TH STREET, P O BOX 1299, MINNEAPOLIS, MINNESOTA 55440-1299, U.S.A, United States of America ~72: JONES, Derek, O.;ROBERTSON, Kelly, C.;SAVSTROM, Jacob, C.;WILLIS, Klenton, T.~ 33:US ~31:63/143,174 ~32:29/01/2021

2023/08151 ~ Complete ~54:APPARATUS AND METHOD FOR RENDERING AUDIO OBJECTS ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: BORSS, Christian;FALLER, Christof;GÖTZ, Philipp;HERRE, Jürgen;KLAPP, Julian;SCHMIDT, Markus;WALTHER, Andreas~ 33:EP ~31:PCT/EP2021/054853 ~32:26/02/2021

2023/08158 ~ Complete ~54:METALLURGICAL FURNACE ~71:METSO OUTOTEC FINLAND OY, Lokomonkatu 3, 33900 Tampere, Finland ~72: HARRI TALVENSAARI;JOUKO KANGAS;KAARLE PELTONIEMI;KARI PIENIMÄKI;PÄIVI SUIKKANEN~

2023/08165 ~ Complete ~54:ANTI-CD112R ANTIBODY AND USE THEREOF ~71:Shanghai Junshi Biosciences Co., Ltd., Floor 13, Building 2, Nos. 36 And 58, Haiqu Road, Pilot Free Trade Zone, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China;Suzhou Junmeng Biosciences Co., Ltd., East Of Changan Road, Wujiang Economic and Technological Development Zone, JIANGSU 215002, CHINA (P.R.C.), People's Republic of China ~72: FENG, Hui;LIU, Dandan;LIU, Hui;YAO, Jian;ZHANG, Jing;ZHAO, Qiang;ZHOU, Yuehua~ 33:CN ~31:202110178859.1 ~32:09/02/2021

2023/08198 ~ Provisional ~54:SUPER ABSORBENT LEAK PROOF BIB ~71:Lee-Anne Kassel, 143 Railway Road, Florida, Johannesburg,, South Africa ~72: Lee-Anne Kassel~

2023/08149 ~ Complete ~54:PROCESSES FOR PREPARING C2 TO C4 HYDROCARBONS AND PROCESS FOR PREPARING A FORMED HYBRID CATALYST ~71:DOW GLOBAL TECHNOLOGIES LLC, 2211 H.H. Dow Way, United States of America ~72: DU, Fang;HO, Christopher;KIRILIN, Alexey;MALEK, Andrzej;NIESKENS, Davy L. S.;POLLEFEYT, Glenn;TOCHA, Ewa;YANCEY, David F.~ 33:US ~31:63/154,138 ~32:26/02/2021

2023/08154 ~ Complete ~54:HIGH SPRING FORCE SHUTTER FOR DYNAMIC SHADE, AND/OR ASSOCIATED METHODS ~71:GUARDIAN GLASS, LLC, 2300 Harmon Road , Auburn Hills, Michigan, 48326, United States of America ~72: JASON BLUSH;JOSHUA FINCH;LINDSAY HORN;RUDOLPH PETRMICHL~ 33:US ~31:17/232,406 ~32:16/04/2021

2023/08159 ~ Complete ~54:SLURRY PUMP ~71:METSO OUTOTEC SWEDEN AB, Box 132, 231 22, Trelleborg, Sweden ~72: AKI TUOMISALO~ 33:EP ~31:21161588.5 ~32:09/03/2021

2023/08163 ~ Complete ~54:METHOD FOR OPERATING A ROOT CROP CONVEYING MACHINE ~71:Grimme Landmaschinenfabrik GmbH & Co. KG, Hunteburger Straße 32, DAMME 49401 , GERMANY, Germany ~72: ROß, Julian;STROTHMANN, Wolfram~ 33:DE ~31:10 2021 106 119.9 ~32:12/03/2021

2023/08153 ~ Complete ~54:COMBINATION GENE THERAPY FOR TREATMENT OF METASTATIC CANCER ~71:ENGENE, INC., 7171 Frederick-Banting, Montreal, Québec, H4S 1Z9, Canada ~72: JOSE LORA;MARIE-LINE GOULET;SHAUNA DAUPHINEE~ 33:US ~31:63/150,846 ~32:18/02/2021

2023/08157 ~ Complete ~54:WEAR ELEMENT FOR A SLURRY PUMP ~71:METSO OUTOTEC SWEDEN AB, Box 132, 231 22, Trelleborg, Sweden ~72: AKI TUOMISALO~ 33:EP ~31:21161576.0 ~32:09/03/2021

2023/08168 ~ Provisional ~54:AMAQINSI/AMACINSI ~71:Marvin Baloyi, KwaMhlanga, South Africa, South Africa ~72: Marvin Baloyi~

2023/08138 ~ Complete ~54:A VIBRATING DEVICE WHICH IS CONVENIENT FOR CONCRETE FORMING ~71:CCCC FIRST HIGHWAY ENGINEERING GROUP CO., LTD, Shitong Building A, Zhoujiajing, Guanzhuang, Chaoyang District, Beijing, 100000, People's Republic of China;THIRD ENGINEERING CO.,LTD OF CCCC FIRST HIGHWAY ENGINEERING GROUP, No. 10 Jingsheng North Third Street, Jinqiao Science and Technology Industrial Base, Tongzhou Park, Zhongguancun Science and Technology Park, Tongzhou District, Beijing, 101102, People's Republic of China ~72: Cheng ZHANG;Dengke GUO;Gongxiang SHANG;Jianyun LI;Junlin BAI;Li WANG;Song CHENG;Tianwei TANG;Xiaowei QIAO;Xinyu YAN;Yong LI;Yongwei GUO;Zhenxi AI;Zhifei ZHANG;Zhiyong SUN~

2023/08142 ~ Complete ~54:ANTI-COLLAPSE SUPPORTING DEVICE FOR FOUNDATION PIT IN CIVIL ENGINEERING CONSTRUCTIONS ~71:Nanchang Institute of Technology, No. 289 Tianxiang Avenue, High tech Development Zone, Nanchang City, Jiangxi Province, 330099, People's Republic of China ~72: Li Xinyou;Ye Qing~

2023/08147 ~ Complete ~54:ALIGNMENT MECHANISM ~71:SHELTERED WINGS, INC. d/b/a VORTEX OPTICS, ONE VORTEX DRIVE, BARNEVELD, WI 53507, USA, United States of America ~72: CLERMONT, Todd;FARRELL, Ben~ 33:US ~31:63/143,391 ~32:29/01/2021

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2023/08171 ~ Provisional ~54:CONTAINER AND METHOD OF ERECTING A CONTAINER ~71:APL CARTONS (PTY) LTD, Abattoir Road, South Africa ~72: PORTWIG, Heinrich~

2023/08175 ~ Complete ~54:PREPARATION METHOD FOR CRANKSHAFT REMOVING GRAPHITE NODULES FROM SURFACE AND HAVING RANDOM TEXTURE ~71:Shandong University of Technology, No. 266, Xincun West Road, Zhangdian District, Zibo City, Shandong Province, 255000, People's Republic of China;Tianrun Industrial Technology Co., Ltd, No. 2-13, Tianrun Road, Wendeng District, Weihai City, Shandong Province, 264400, People's Republic of China ~72: CHEN, Shutong;CONG, Jianchen;SHAO, Shibo;SUN, Jun;YUAN, Wei;ZHOU, Yangfan~

2023/08186 ~ Complete ~54:STEREOPHOTOGRAMMETRIC METHOD BASED ON BINOCULAR VISION ~71:North China University of Science and Technology, #21 Bohai Road, Caofeidian Xincheng, Tangshan, People's Republic of China ~72: Ning Xuebin;Suo Yina;Wang Ran;Yu Fuxing~ 33:CN ~31:202310464266.0 ~32:27/04/2023

2023/08181 ~ Complete ~54:A VIBRATION DAMPER FOR STEEL WORK ~71:CHINA CONSTRUCTION FIFTH ENGINEERING BUREAU CO., LTD., 6th Floor, Block B, Hyde Plaza, Intersection of Dongguan Avenue and Hongfu Road, Nancheng District, People's Republic of China ~72: CAO, Minghui;HUANG, Long;LIAO, Song;QIU, Yang;SU, Ziru;WANG, Libin;XIE, Xiaohan;ZHANG, Peng~

2023/08183 ~ Complete ~54:NI-CO-FE-B EUTECTIC HIGH-ENTROPY ALLOY, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No. 1, Daxue Road, Tongshan Xuzhou, People's Republic of China;JIANGSU AIR WATER ENVIRONMENTAL PROTECTION SCIENCE AND TECHNOLOGY CO., LTD., Building 4, National Security Science And Technology Industrial Park, The Second Industrial Park, Xuzhou High-tech Industry Development Zone, Xuzhou, People's Republic of China ~72: CHEN, Zheng;FAN, Yu;KONG, Weiwei;SHAN, Caixia;SHEN, Chengjin;XU, Jie;ZHANG, Ping~ 33:CN ~31:202110605875.4 ~32:01/06/2021

2023/08185 ~ Complete ~54:2-STEP IRON CONVERSION SYSTEM ~71:ELECTRASTEEL, INC., 6400 Lookout Rd., United States of America ~72: ALVAREZ, Adolfredo;FATUR, Steven;NIJHAWAN, Sandeep;PHAM, Ai Quoc;WALLACE, Colleen~ 33:US ~31:63/165,502 ~32:24/03/2021

2023/08194 ~ Complete ~54:VEHICLE DOOR OPENING AND CLOSING APPARATUS AND VEHICLE ~71:CRRC QIQIHAR ROLLING STOCK CO., LTD., No.36 Changqian 1ST Avenue, Tiefeng District Qiqihar, Heilongjiang, 161002, People's Republic of China ~72: BAOLEI WANG;CHUNYING LING;PEI LI;WEI SUN;XUE ZHOU;ZHIXUE JIA~ 33:CN ~31:202111447690.1 ~32:30/11/2021

2023/08191 ~ Complete ~54:PROCESS FOR THE PREPARATION OF A CYP11A1 INHIBITOR AND INTERMEDIATES THEREOF ~71:Orion Corporation, Orionintie 1, ESPOO 02200, FINLAND, Finland ~72: KARJALAINEN, Oskari~ 33:FI ~31:20215216 ~32:01/03/2021

2023/08192 ~ Complete ~54:A METHOD OF PROVIDING A TIME-SYNCHRONIZED MULTI-STREAM DATA TRANSMISSION ~71:MOBII SYSTEMS (PTY) LTD, 3rd Floor, 5 High Street, Rosenpark, Bellville, 7535, Cape Town, South Africa ~72: BARRETT, Brendan;THACKER, Michael Don~ 33:ZA ~31:2021/01483 ~32:04/03/2021

2023/08174 ~ Provisional ~54:INFRASTRUCTURE MONITORING SYSTEM ~71:RAIL INTEGRATED INCOME LOSS PREVENTION SERVICES (PTY) LTD., 3 Lepelhout Street, SE3, VANDERBIJLPARK 1911, Gauteng, SOUTH AFRICA, South Africa ~72: THERON, Johannes Gerhard;VERLOOP, Leonardus Gerrardus Philippus~

2023/08189 ~ Complete ~54:CO-FILAMENT, ROVING, YARN, SEMI-FINISHED PRODUCT, USE OF A CO-FILAMENT, AND METHOD FOR PRODUCING A CO-FILAMENT ~71:FibreCoat GmbH, Technologiezentrum Aachen am Europaplatz, Dennewartstr. 25-27, AACHEN 52064, GERMANY, Germany ~72: BRÜLL, Robert;HAAS, Richard;LÜKING, Alexander~ 33:DE ~31:10 2021 101 494.8 ~32:25/01/2021

2023/08176 ~ Complete ~54:CRACK LOCATION METHOD OF CONTINUOUS BEAM UNDER MOVING LOAD BASED ON STRAIN CHARACTERISTICS ~71:Jilin Jianzhu University, No. 5088, Xincheng Street, Changchun City, Jilin Province, People's Republic of China ~72: GUO Lilong;QIAN Xuesong;WANG Jinqiao;ZHANG Yunlong;ZHANG Zhanhao~

2023/08178 ~ Complete ~54:A METHOD FOR IMPROVING THE ACCURACY OF LABORATORY SIMULATION OF ROCK FRAGMENTATION KINETIC ENERGY UNDER DEEP DISTURBANCE ~71:China University of Mining and Technology, Mountain Zhai, Southern Suburb of Xuzhou City, Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: Chengzheng CAI;Defei ZHANG;Donghao LAN;Feng DING;Xiaoli ZHU;Yanan GAO;Yao ZHANG;Yunlong WANG;Zhenping SUN;Zhenwei TANG~

2023/08173 ~ Provisional ~54:CONTAINER AND METHOD OF ERECTING A CONTAINER ~71:APL CARTONS (PTY) LTD, Abattoir Road, South Africa ~72: KLEINHANS, Frederick~

2023/08170 ~ Provisional ~54:BESIT IBES ~71:Tshegofatso Ubisi, 8051/21 Brooklyn Street, South Africa ~72: Tshegofatso Ubisi~

2023/08172 ~ Provisional ~54:LIS-TRP SACUBITRIL CRYSTALLIZATION ~71:ANGIODESIGN (UK) LIMITED, Manor Stables, Corsley, Warminster, Wiltshire, BA12 7QE, United Kingdom ~72: EDWARD DAVID STURROCK;MINO RODOLFO CAIRA;TERENCE JAMES NOONAN~

2023/08187 ~ Complete ~54:SOLID PERSONAL CARE COMPOSITIONS AND METHODS FOR PREVENTING AND TREATING POLLUTION DAMAGE TO SKIN ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: COHEN, Aaron;ESPINOSA, Reina;FAN, Aixing;MAO, Junhong;MORALES, Sara;ROMERO, Jesus Ivan~ 33:US ~31:63/155,025 ~32:01/03/2021

2023/08184 ~ Complete ~54:ADENOVIRUS ENCODING 1L-15 ~71:AKAMIS BIO LIMITED, Akamis House 4-10 The Quadrant, Barton Lane Abingdon, United Kingdom ~72: CHAMPION, Brian Robert;ZONCA, Manuela~ 33:GB ~31:2102049.0 ~32:13/02/2021

2023/08180 ~ Complete ~54:QUANTITATIVE NONDESTRUCTIVE TESTING METHOD FOR REMAINING LIFE OF PIPELINE STEEL ~71:INNER MONGOLIA AUTONOMOUS REGION INSTITUTE OF PRODUCT QUALITY INSPECTION, QUALITY SUPERVISION BUILDING, PETROCHEMICAL ROAD, People's Republic of China ~72: DUAN, Bin;GAO, Fei;HAO, Wenying;LIANG, Xuelian;LIU, Qi;REN, Wei;WANG, Huijuan;YUN, Jianbin;ZHANG, Wenqing~

2023/08188 ~ Complete ~54:AEROSOL PROVISION SYSTEM SECURITY ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BAKER, Darryl;KERSEY, Robert;YOUNOSSI, Najeeb~ 33:GB ~31:2103490.5 ~32:12/03/2021

2023/08196 ~ Complete ~54:PACKAGING FOR ROD-SHAPED PRODUCTS ~71:FOCKE & CO. (GMBH & CO. KG), Siemensstrasse 10, Germany ~72: FÖRSTMANN, Dirk~ 33:DE ~31:10 2021 104 858.3 ~32:01/03/2021

2023/08179 ~ Complete ~54:ADJUSTABLE WATER QUALITY MONITORING DEVICE ~71:Xi'an Yiyangze Environment Technology Co., Ltd., Room 20702-292, 7th Floor, Unit 2, Building 1, Oak Tree Constellation, North of Keji 5th Road, High tech Zone, Xi'an City, Shaanxi Province, 710075, People's Republic of China ~72: LI Haocheng;SUN Xiaoxiao;SUN Xin;WANG Weiqiao~

2023/08195 ~ Complete ~54:AN EFFICIENT BOILING CHLORINATION METHOD FOR CARBONIZED SLAG ~71:PANGANG GROUP PANZHIHUA IRON & STEEL RESEARCH INSTITUTE CO., LTD., No. 90, Taoyuan Street, East District, Panzhihua, Sichuan, 617000, People's Republic of China ~72: DONGSHENG WANG;ENDONG YE;JIANXIN WANG;LI ZHOU~ 33:CN ~31:202211025928.6 ~32:25/08/2022

2023/08190 ~ Complete ~54:AEROSOL PROVISION SYSTEM SECURITY ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BAKER, Darryl;KERSEY, Robert;YOUNOSSI, Najeeb~ 33:GB ~31:2103483.0 ~32:12/03/2021

2023/08169 ~ Provisional ~54:A METERING APPARATUS FOR A FUEL TANK OF AN ELECTRIC GENERATOR ~71:DDD Diesel Deliveries (Pty) Ltd., 66 Nora Street, EQUESTRIA, Pretoria 0181, Gauteng Province, SOUTH AFRICA, South Africa ~72: KOK, Willem Gerhardus~

2023/08177 ~ Complete ~54:ANTI-COLLISION EARLY WARNING CONTROL SYSTEM FOR CURVE VEHICLES AND CONTROL METHOD THEREOF ~71:Anhui Polytechnic University, Beijin Road, Wuhu City, Anhui Province, 241000, People's Republic of China;Electronic Radar (Wuhu) Technology CO.,Ltd, No.156,Wanchun Middle Road, Jiujiang Zone, Wuhu City, Anhui Province, 241000, People's Republic of China;Yangtze River Delta HIT Robot Technology Research Institute, No. 17,Shenzhou Road, Jiujiang Zone, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: CHEN Shuang;CHEN Weisong;LIU Guiru;SUN Jian;WANG Lulin;WANG Wei~

2023/08193 ~ Complete ~54:FUNCTIONALIZED LONG-CHAIN CARBOXYLIC ACIDS, AND THEIR USE FOR TREATMENT OF DISEASE ~71:ESPERVITA THERAPEUTICS, INC., 7939 Secretariat Drive, Saline, Michigan, 48176, United States of America ~72: DANIELA CARMEN ONICIU;GREGORY R STEINBERG;JAMES STUART VINCENT LALLY;JAYA GAUTAM;ROGER SCHOFIELD NEWTON;SPENCER HEATON~ 33:US ~31:63/141,269 ~32:25/01/2021;33:US ~31:63/285,890 ~32:03/12/2021

. - APPLIED ON 2023/08/25 -

2023/08209 ~ Complete ~54:AN ENERGY-SAVING TYPE DUST RECOVERY SYSTEM FOR CONSTRUCTION SITES ~71:CHINA CONSTRUCTION FIFTH DIVISION SOUTHERN CONSTRUCTION SUBSIDIARY CORP., LTD, T1-8A, No. 1 Shenzhen Bay, No. 3088, Community Center Road, Blue Coastwuchai Street, Nanshan District, Shenzhen, People's Republic of China ~72: FAN, Lixiong;GUO, Yunnan;HE, Songwen;LI, Xiaowei;LIU, Pei;LIU, Xiaofeng;SHAN, Chuan;SONG, Yongjie;WANG, Qianhong;XIE, Liangpu;ZHANG, Jialong;ZHANG, Zhang;ZHANG, Zhibin~

2023/08211 ~ Complete ~54:RECORDAL SYSTEM ~71:EMMANUEL MOKUTU, 1046 MOEFI STREET, MAPETLA, South Africa ~72: EMMANUEL MOKUTU~ 33:ZA ~31:2021/00491 ~32:25/01/2021

2023/08220 ~ Complete ~54:FLAP VALVE FOR DIAPHRAGM PUMP ~71:WARREN RUPP, INC., 800 N. Main Street, Mansfield, Ohio, 44901, United States of America ~72: BRENT MORRIS;JIM ROCKWELL;JOHN WAWROWSKI;ROBERT BEASLEY~ 33:US ~31:63/165,955 ~32:25/03/2021

2023/08226 ~ Complete ~54:CRYSTALLINE FORM OF A PIPERAZINYL-THIAZOLE DERIVATIVE ~71:Idorsia Pharmaceuticals Ltd, Hegenheimermattweg 91, ALLSCHWIL 4123, SWITZERLAND, Switzerland ~72: FOSSHAG, Dominik~ 33:IB ~31:2021/051983 ~32:28/01/2021

2023/08232 ~ Complete ~54:METHODS AND COMPOSITIONS FOR THE DELIVERY OF RETROVIRAL PARTICLES ~71:Exuma Biotech Corp., 625 N. Flagler Dr., Suite 625, WEST PALM BEACH 33401, FL, USA, United States of America ~72: FROST, Gregory Ian;HENKELMAN III, John R.;KERKAR, Sidharth;KUNDU, Anirban;SCHREIBER, Gregory;VIGANT, Frederic~ 33:US ~31:63/200,329 ~32:01/03/2021;33:IB ~31:2021/020922 ~32:04/03/2021;33:US ~31:63/197,315 ~32:04/06/2021;33:IB ~31:2021/048532 ~32:31/08/2021;33:US ~31:63/261,099 ~32:10/09/2021

2023/08236 ~ Complete ~54:METAL TRAINING CARTRIDGE BULLET ~71:RUAG Ammotec AG, Uttigenstrasse 67, THUN 3602, SWITZERLAND, Switzerland ~72: GRÜNIG, Markus;HOWALD, Paul;MEYER, Donald;MUSTER, Michael~ 33:DE ~31:10 2021 104 757.9 ~32:26/02/2021

2023/08201 ~ Complete ~54:COMPUTER INTELLIGENT ADJUSTMENT SYSTEM FOR SOLAR PANELS ORIENTED TO PHOTOVOLTAIC INDUSTRY ~71:ANHUI POLYTECHNIC UNIVERSITY, No.8, Beijing Middle Road, Jiujiang District, Wuhu, Anhui, 241000, People's Republic of China ~72: CHEN, Meng;HUANG, Wei;LIU, Sanmin;ZHAO, Senyan~

2023/08204 ~ Complete ~54:BIO-BASED CARBON FIBER MATERIAL AND PREPARATION METHOD THEREOF ~71:SUZHOU UNIVERSITY, ERPU VILLAGE, ZHUXIANZHUANG TOWN, People's Republic of China ~72: LI, Fajun;SHEN, Xun;SHI, Hongwei;XIE, Xusheng;ZHANG, Keying;ZHUO, Xin~

2023/08206 ~ Complete ~54:AN AUTOMATIC SHOTCRETE DRY MATERIAL SUPPLY SYSTEM FOR MINING ~71:Anhui Jintian Environmental Protection Technology Co., Ltd., Room 0128, Building 0021, Guangcaicheng Market Zone D, North of Huaihe Road and West of Zhangxian Temple, Suzhou, Anhui, 234000, People's Republic of China ~72: Jianguo Xu~ 33:CN ~31:2023109224967 ~32:26/07/2023

2023/08214 ~ Complete ~54:COMPOSITIONS AND METHODS FOR MODULATING PNPLA3 EXPRESSION ~71:DICERNA PHARMACEUTICALS, INC, 75 Hayden Avenue, Lexington, United States of America ~72: ABRAMS, Marc;BROWN, Bob Dale;DUDEK, Henryk T;SAXENA, Utsav;TURANOV, Anton~ 33:US ~31:63/174,932 ~32:14/04/2021

2023/08218 ~ Complete ~54:METHODS FOR THE TREATMENT OF CHILDHOOD-ONSET FLUENCY DISORDER ~71:NOEMA PHARMA AG, Barfusserplatz 3, 4051, Basel, Switzerland ~72: GEORGE GARIBALDI~ 33:US ~31:63/142,876 ~32:28/01/2021;33:US ~31:63/196,902 ~32:04/06/2021

2023/08222 ~ Complete ~54:IRON CONVERSION SYSTEM AND APPLICATIONS ~71:ELECTRASTEEL, INC., 6400 Lookout Rd., United States of America ~72: ALVAREZ, Adolfredo;FATUR, Steven;NIJHAWAN, Sandeep;PHAM, Ai Quoc;WALLACE, Colleen~ 33:US ~31:63/165,502 ~32:24/03/2021

2023/08230 ~ Complete ~54:METHODS AND SYSTEMS FOR AUTOMATED SYRINGE QUALITY EVALUATION ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: BABATOLA, Opeyemi;COLLER, Daniel;EVANS, Gregory;FLORES, Stephen;KRUCHOWY, Evan;PADMAKUMAR, Vikashni;ROSAS, Oscar~ 33:US ~31:63/178,339 ~32:22/04/2021

2023/08234 ~ Complete ~54:SMART REPEATER SYSTEMS ~71:Pivotal Commware, Inc., 10801 120th Avenue NE #200, KIRKLAND 98033, WA, USA, United States of America ~72: BLACK, Eric James;CAVCIC, Mersad;DEUTSCH, Brian Mark;HARPER, Colby John;ILIC-SAVOIA, Andjela;KATKO, Alexander

Remley;OSTROFF, Steven Howard~ 33:US ~31:63/141,914 ~32:26/01/2021;33:US ~31:63/174,511 ~32:13/04/2021;33:US ~31:17/585,418 ~32:26/01/2022

2023/08199 ~ Provisional ~54:MEDICAL DEVICE ~71:SHEVEL, Elliot, 45 EMPIRE ROAD, PARKTOWN, South Africa ~72: SHEVEL, Elliot~

2023/08203 ~ Complete ~54:A GAS-LIQUID ISOLATION SYSTEM FOR A NEGATIVE PRESSURE SUCTION CUP IN A LIQUID ENVIRONMENT AND ITS OPERATIONAL METHOD ~71:Anhui Polytechnic University, Beijing Middle Road, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Guodong HU;Hongwei LI;Wanbao TAO;Yi LI;Youyu LIU~ 33:CN ~31:2023103831044 ~32:06/04/2023

2023/08208 ~ Complete ~54:A COSMETOLOGICAL OINTMENT COMPOSITION TO REPAIR SKIN LESIONS AND ITS PREPARATION PROCESS THEREOF ~71:Benjamín Ruff, Luis Carrera 1172, Dpto 42. Vitacura, Santiago de Chile, Chile;Catalina Ruff, Luis Carrera 1172, Dpto 42. Vitacura, Santiago de Chile, Chile;Claudio Ruff, Avenida Viel 1497, Santiago de Chile, Oficina 201, Chile;Cristián Cornejo, Caletera Oriente 21.494, Casa 38, Colina, Santiago de Chile, Chile;Edith Pinto, Parque Residencial Los Olmos de Miraflores. Calle Los Olmos #2327, Peñaflor, Chile;Karina Cano, Condominio San Sebastian, Km 1 Camino Traiguén – Victoria. Parcela 49, Victoria, Región de la Araucanía, Chile;Marcelo Ruiz, Carlos Peña Otaegui 9547, Las Condes, Chile, Chile;Nicolás Ruff, Luis Carrera 1172, Dpto 42. Vitacuras, Santiago de Chile, Chile;Universidad Bernardo O´Higgins, Avenida Viel 1497, Santiago de Chile, Chile ~72: Benjamín Ruff;Catalina Ruff;Claudio Ruff;Cristián Cornejo;Edith Pinto;Karina Cano;Marcelo Ruiz;Nicolás Ruff~

2023/08212 ~ Complete ~54:INDUCTIVE HEATING ARRANGEMENT FOR HEATING AEROSOL-FORMING SUBSTRATES ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: COURBAT, Jerome, Christian;MIRONOV, Oleg;MONNEY, Patrick Philippe;STURA, Enrico~ 33:EP ~31:21153930.9 ~32:28/01/2021

2023/08216 ~ Complete ~54:ELECTRONIC DEVICE COMPRISING BREAKAGE PREVENTION STRUCTURE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DOORYONG KIM;INYOUL BAEK~ 33:KR ~31:10-2021-0011067 ~32:26/01/2021

2023/08224 ~ Complete ~54:PARTIAL SOUNDING OF SOUNDING REFERENCE SIGNAL ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: JACOBSSON, Sven;NILSSON, Andreas;PETERSSON, Sven~ 33:US ~31:63/171,332 ~32:06/04/2021

2023/08228 ~ Complete ~54:MATERIAL ADDITIVE MODULE AND A METHOD OF RENEWING MATERIAL IN WORN AREAS FOR GROUND MOVING PARTS ~71:Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd, Level 5, 135 Coronation Drive, MILTON 4064, QUEENSLAND, AUSTRALIA, Australia;Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: LEHTO, Tony~ 33:EP ~31:21159682.0 ~32:26/02/2021

2023/08238 ~ Complete ~54:OVERALL DISINFECTION PROCEDURE WITH NATURAL REGULATION OF BATHING POOL WATER ~71:ROQUA, Nicole, 43 Rue Rouget de L'Isle, 33700, MERIGNAC, France ~72: ROQUA, Nicole~ 33:FR ~31:2100919 ~32:31/01/2021

2023/08215 ~ Complete ~54:COMPOSITIONS AND METHODS FOR ASSESSING DNA DAMAGE IN A LIBRARY AND NORMALIZING AMPLICON SIZE BIAS ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: BENICE, Olivia;HOWARD, Michael;KENNEDY, Andrew B.;MURTFELDT, Eric;PUGLIESE, Kaitlin;SHEN, Fei;STORMS, Lena~ 33:US ~31:63/167,171 ~32:29/03/2021;33:US ~31:63/227,550 ~32:30/07/2021

2023/08225 ~ Complete ~54:ORE DISSOLUTION AND IRON CONVERSION SYSTEM ~71:ELECTRASTEEL, INC., 6400 Lookout Rd., United States of America ~72: ALVAREZ, Adolfredo;FATUR, Steven;NIJHAWAN, Sandeep;PHAM, Ai Quoc~ 33:US ~31:63/165,502 ~32:24/03/2021

2023/08227 ~ Complete ~54:IMMUNOCONJUGATES COMPRISING KALLIKREIN RELATED PEPTIDASE 2 ANTIGEN BINDING DOMAINS AND THEIR USES ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: GOLDBERG, Shalom;MCDEVITT, Theresa;SHEN, Fei;SMITH, Ryan M.;VENKATARAMANI, Sathyadevi;WILEY, Kristen~ 33:US ~31:63/142,147 ~32:27/01/2021;33:US ~31:63/144,586 ~32:02/02/2021

2023/08233 ~ Complete ~54:PSILOCYBIN COMPOSITIONS, METHODS OF MAKING AND METHODS OF USING THE SAME ~71:COMPASS Pathfinder Limited, 3rd Floor, 1 Ashley Road, ALTRINCHAM WA14 2DT, UNITED KINGDOM, United Kingdom ~72: ELDER, David Philip;RICHARDSON, Nigel~ 33:US ~31:63/168,055 ~32:30/03/2021

2023/08210 ~ Complete ~54:CULTIVATING APPARATUS ~71:ROVIC AND LEERS (PTY) LTD, Saxenburg Road, South Africa ~72: BOOYSEN, Bernie~ 33:ZA ~31:2022/09543 ~32:26/08/2022

2023/08219 ~ Complete ~54:SYSTEM AND METHOD FOR AUTOMATICALLY DETECTING UNAUTHORIZED ENTRY INTO A POOL ~71:CUTTING EDGE PACKAGING SOLUTIONS, 385 Minoma Lane, Franklin Lakes, New Jersey 07417, United States of America ~72: PAUL VEGLIANTE;WILLIAM G RUSIN III~ 33:US ~31:17/217,138 ~32:30/03/2021

2023/08223 ~ Complete ~54:CANCER THERAPY INVOLVING CAR-ENGINEERED T-CELLS AND PARVOVIRUS H-1 ~71:DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS, Im Neuenheimer Feld 280, Germany ~72: HALAMA, Niels;JÄGER, Dirk;SCHMIDT, Patrick~ 33:EP ~31:21160732.0 ~32:04/03/2021

2023/08231 ~ Complete ~54:DEVICE FOR ATTACHING A TRANSVERSE VERTICAL PANEL, IN PARTICULAR A GLASS PANEL, TO A STRUCTURE ~71:SB Ingénierie, 76 Chemin des Poses, POISY 74330, FRANCE, France ~72: GIACOMETTI, Sylvianne~ 33:FR ~31:FR2102102 ~32:04/03/2021

2023/08235 ~ Complete ~54:DEFORMATION BULLET FOR AMMUNITION FOR POLICE AND OTHER RULING BODIES ~71:RUAG Ammotec AG, Uttigenstrasse 67, THUN 3602, SWITZERLAND, Switzerland ~72: GRÜNIG, Markus;HOWALD, Paul;MEYER, Donald;MUSTER, Michael~ 33:DE ~31:10 2021 104 760.9 ~32:26/02/2021

2023/08200 ~ Provisional ~54:DEFLECTING DEVICE AND METHOD ~71:SHEVEL, Elliot, 45 EMPIRE ROAD, PARKTOWN, South Africa ~72: SHEVEL, Elliot~

2023/08202 ~ Complete ~54:A DIGITAL PCR CHIP FOR MULTI-TARGET DETECTION AND ITS PREPARATION METHOD ~71:Hangzhou City University, No.51 Huzhou Street, Gongshu District, Hangzhou City, Zhejiang Province, 310011, People's Republic of China ~72: Jianjian ZHUANG;Juxin YIN;Ying MU~

2023/08205 ~ Complete ~54:NON-HUMAN ANIMALS EXPRESSING HUMANIZED CD3 COMPLEX ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: GUO, Dayong;LAI, Ka-man, Venus;MURPHY, Andrew, J.;OLSON, Kara L.;SMITH, Eric;THURSTON, Gavin~ 33:US ~31:62/083,653 ~32:24/11/2014;33:US ~31:62/106,999 ~32:23/01/2015

2023/08207 ~ Complete ~54:PLASMA GENERATING DEVICE USED IN WATER ~71:Xi'an Jinshan Yinshan Technology Co., Ltd., Room 1F306, Room C0101, Building 1, Chuangye Plaza, No. 48 Keji Road, High

tech Zone, Xi'an City, Shaanxi Province, 710075, People's Republic of China ~72: SUN Youreng;TANG Xiao;ZHANG Jieyu~

2023/08213 ~ Complete ~54:HEATER ASSEMBLY WITH MICROPOROUS INSULATION ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BESSANT, Michel;YIM, Jun Wei~ 33:EP ~31:21182040.2 ~32:28/06/2021

2023/08217 ~ Complete ~54:BIODEGRADABLE SINGLE-SERVE CAPSULE ~71:TCHIBO GMBH, Überseering 18, 22297, Hamburg, Germany ~72: NORBERT KUHL~ 33:EP ~31:21161097.7 ~32:05/03/2021

2023/08221 ~ Complete ~54:URIDINE TRIACETATE AMORPHOUS FORMULATION ~71:PHARMA CINQ, LLC, 1601 Research Boulevard, Rockville, Maryland, 20850, United States of America ~72: JEFFREY A MILLER;MICHAEL KEVIN BAMAT;YI GAO;YIHONG QIU~ 33:US ~31:63/142,297 ~32:27/01/2021

2023/08229 ~ Complete ~54:PSMA BINDING PROTEINS AND USES THEREOF ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: BRODEUR, Scott R.;HERTZOG, Jennifer;MCDEVITT, Theresa;SINGH, Sanjaya;YANG, Danlin~ 33:US ~31:63/142,921 ~32:28/01/2021;33:US ~31:63/165,448 ~32:24/03/2021

2023/08237 ~ Complete ~54:IMPURITY REMOVAL IN AN IRON CONVERSION SYSTEM ~71:ELECTRASTEEL, INC., 6400 Lookout Rd., United States of America ~72: ALVAREZ, Adolfredo;FATUR, Steven;NIJHAWAN, Sandeep;PHAM, Ai Quoc~ 33:US ~31:63/165,502 ~32:24/03/2021

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

Application Number	Assignor	Assignee
2023/00299	ECCOGENE (SHANGHAI) CO., LTD.	ECCOGENE INC.
2019/02118	I-MAB BIOPHARMA US LIMITED	I-MAB BIOPHARMA CO., LTD.
2014/05647	CATERPILLAR GLOBAL MINING LLC	GAINWELL ENGINEERING GLOBAL PTE. LTD.
2015/02584	CATERPILLAR GLOBAL MINING LLC	GAINWELL ENGINEERING GLOBAL PTE. LTD.
2016/05962	CATERPILLAR GLOBAL MINING LLC	GAINWELL ENGINEERING GLOBAL PTE. LTD.
2012/09680	CATERPILLAR GLOBAL MINING LLC	GAINWELL ENGINEERING GLOBAL PTE. LTD.
2013/00570	CATERPILLAR GLOBAL MINING LLC	GAINWELL ENGINEERING GLOBAL PTE. LTD.
2014/04172	CATERPILLAR GLOBAL MINING LLC	GAINWELL ENGINEERING GLOBAL PTE. LTD.
2022/08429	LULL STORM TRADING (PTY) LTD	WEKABA ENGINEERING (PTY) LTD
2016/01037	LULL STORM TRADING (PTY) LTD	WEKABA ENGINEERING (PTY) LTD
2017/07085	LULL STORM TRADING (PTY) LTD	WEKABA ENGINEERING (PTY) LTD
2022/03053	LULL STORM TRADING (PTY) LTD	WEKABA ENGINEERING (PTY) LTD
2013/09639	LULL STORM TRADING (PTY)	WEKABA ENGINEERING (PTY) LTD

Application Number	Assignor	Assignee
	LTD	
2021/05026	BAYER AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2022/02682	BAYER CROPSCIENCE LP	DISCOVERY PURCHASER CORPORATION
2021/05024	BAYER AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2019/08155	BAYER AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2019/08156	BAYER AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2020/04407	BAYER AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2020/06369	BAYER AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2019/06307	BAYER AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2019/06408	BAYER AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2015/02419	BAYER CROPSCIENCE AG	DISCOVERY PURCHASER CORPORATION
2013/04201	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2014/08348	BAYER CROPSCIENCE AG	DISCOVERY PURCHASER CORPORATION
2013/00141	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2011/07904	BAYER INTELLECTUAL PROPERTY GMBH	DISCOVERY PURCHASER CORPORATION
2010/07942	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2010/07165	BAYER INTELLECTUAL PROPERTY GMBH	DISCOVERY PURCHASER CORPORATION
2008/09648	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2008/07647	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	DISCOVERY PURCHASER CORPORATION
2022/06658	BAYER CROPSCIENCE LP	DISCOVERY PURCHASER CORPORATION
2017/06868	JSC “INTERNATIONAL TOBACCO MARKETING SERVICES”	BRITISH AMERICAN TOBACCO (INVESTMENTS)LIMITED
2014/01874	XI’AN WESTPEACE FIRE TECHNOLOGY CO., LTD.	HUBEI JIANDUN FIRE TECHNOLOGY CO., LTD.
2013/02695	XI’AN WESTPEACE FIRE TECHNOLOGY CO., LTD.	HUBEI JIANDUN FIRE TECHNOLOGY CO., LTD.
2013/02694	XI’AN WESTPEACE FIRE TECHNOLOGY CO., LTD.	HUBEI JIANDUN FIRE TECHNOLOGY CO., LTD.
2013/02693	XI’AN WESTPEACE FIRE TECHNOLOGY CO., LTD.	HUBEI JIANDUN FIRE TECHNOLOGY CO., LTD.
2013/02025	XI’AN WESTPEACE FIRE TECHNOLOGY CO., LTD.	HUBEI JIANDUN FIRE TECHNOLOGY CO., LTD.
2013/02024	XI’AN WESTPEACE FIRE TECHNOLOGY CO., LTD.	HUBEI JIANDUN FIRE TECHNOLOGY CO., LTD.
2010/08593	ESBATECH, A NOVARTIS COMPANY LLC	NOVARTIS AG
2010/08597	ESBATECH, A NOVARTIS COMPANY LLC	NOVARTIS AG
2016/03485	ESBATECH, A NOVARTIS COMPANY LLC	NOVARTIS AG
2013/08787	ESBATECH, A NOVARTIS COMPANY LLC	NOVARTIS AG
2011/03125	ESBATECH, A NOVARTIS	NOVARTIS AG

Application Number	Assignor	Assignee
	COMPANY LLC	
2014/07831	LULL STORM TRADING (PTY) LTD	WEKABA ENGINEERING (PTY) LTD
2005/07662	PROLINE TRADING (PTY) LTD	WEKABA ENGINEERING (PTY) LTD
2022/01245	GUOLIANG ZHAO	GUIXIANG LIU
2020/00558	HOWARD FOUNDATION HOLDINGS LTD	MARAVILLA LLC
2015/03834	HOWARD FOUNDATION HOLDINGS LTD	MARAVILLA LLC
2014/08422	HOWARD FOUNDATION HOLDINGS LTD	MARAVILLA LLC
2013/08762	HOWARD FOUNDATION HOLDINGS LTD	MARAVILLA LLC
2012/07517	CLARUS THERAPEUTICS, INC.	TOLMAR, INC.
2022/02035	DUKE UNIVERSITY and ENZYVANT THERAPEUTICS, INC.	ENZYVANT THERAPEUTICS GMBH
2022/02035	ENZYVANT THERAPEUTICS GMBH	DUKE UNIVERSITY and ENZYVANT THERAPEUTICS GMBH
2007/07214	EVONIK OPERATIONS GMBH	EVONIK SUPERABSORBER GMBH
2019/02586	NANJING BIOPOINT DIAGNOSTIC TECHNOLOGY CO. LTD.	BIOPOINT HONG KONG LTD
2011/02225	EVONIK OPERATIONS GMBH	EVONIK SUPERABSORBER GMBH
2015/05856	EVONIK OPERATIONS GMBH	EVONIK SUPERABSORBER GMBH
2017/04232	INTELLISTENT AG	SUNATCO MEDICAL LIMITED
2017/04232	SUNATCO MEDICAL LIMITED	HEARTPOINT GLOBAL INC.
2020/00083	ROBERGE, CHRISTOPHE, RECH, ANTHONY and CROS, JEAN-MANUEL	MEDINCELL S.A.
2020/00957	SANOFI	GENZYME CORPORATION
2012/05861	SHANXI SUPPLY AND MARKETING COOPERATIVE, WANG XIAOGUANG, JING JINGYONG	SHANXI SANTIAYULONG AGRICULTURAL TECHNOLOGY CO., LTD.
2022/11891	HONEYBRAINS, LLC	HB BIOTECH, INC.
2011/06001	PIERRE FABRE DERMATOLOGIE	PIERRE FABRE MEDICAMENT
2022/02127	NANJING LEGEND BIOTECH CO., LTD.	LEGEND BIOTECH USA INC.
2022/06437	NANJING LEGEND BIOTECH CO., LTD.	LEGEND BIOTECH USA INC.
2022/06438	NANJING LEGEND BIOTECH CO., LTD.	LEGEND BIOTECH USA INC.
2022/09069	NANJING LEGEND BIOTECH CO., LTD.	LEGEND BIOTECH USA INC.
2018/01789	JANSSEN PHARMACEUTICA NV	JANSSEN BIOTECH, INC.
2022/06824	CASCAT GMBH	ARCHER-DANIELS-MIDLAND COMPANY
2009/00732	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2006/03507	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2010/02754	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2003/08891	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD

Application Number	Assignor	Assignee
2003/01450	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2004/00311	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2007/07563	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2015/01983	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2003/02994	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2008/02718	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2007/02961	SASOL SOUTH AFRICA LIMITED	ENAEX AFRICA (PTY) LTD
2012/07961	AGELLIS GROUP AB	REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG.
2017/01907	JOMI LEMAN	UNIVERSAL ENERGY STORAGE PTE. LTD.
2014/02050	AGELLIS GROUP AB	UNIVERSAL ENERGY STORAGE PTE. LTD.
2013/00081	APERGY BMCS ACQUISITION CORP.	U.S. SYNTHETIC CORPORATION
2014/04069	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A.	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2013/01117	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A.	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2011/01319	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A.	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2012/02051	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A.	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2013/04825	APERGY BMCS ACQUISITION CORP.	U.S. SYNTHETIC CORPORATION
2013/01988	APERGY BMCS ACQUISITION CORP.	U.S. SYNTHETIC CORPORATION
2008/07411	KCI LICENSING, INC.	3M INNOVATIVE PROPERTIES COMPANY
2009/01157	KCI LICENSING, INC.	3M INNOVATIVE PROPERTIES COMPANY
2009/01296	KCI LICENSING, INC.	3M INNOVATIVE PROPERTIES COMPANY
2009/01297	KCI LICENSING, INC.	3M INNOVATIVE PROPERTIES COMPANY
2008/10674	METSO OUTOTEC BRASIL INDUSTRIA E COMERCIO LTDA.	METSO OUTOTEC FINLAND OY
2008/09487	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A.	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2011/07206	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A.	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2014/05816	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN and MICHELIN RECHERCHE ET TECHNIQUE S.A.	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2013/08590	APERGY BMCS ACQUISITION	U.S. SYNTHETIC CORPORATION

Application Number	Assignor	Assignee
	CORP.	
2009/04822	KCI LICENSING, INC.	3M INNOVATIVE PROPERTIES COMPANY
2009/01840	KCI LICENSING, INC.	3M INNOVATIVE PROPERTIES COMPANY
2011/02440	CAPACITIVE TECHNOLOGIES LIMITED	ENERTECHNOS LIMITED
2009/04306	KCI LICENSING, INC.	3M INNOVATIVE PROPERTIES COMPANY
2012/03211	APERGY BMCS ACQUISITION CORP.	U.S. SYNTHETIC CORPORATION
2016/07965	ILR SAFETY CC ILR SAFETY CC	AMEK CC
2019/03307	OCULIS SA	OCULIS OPERATIONS GMBH
2021/09597	OCULIS SA	OCULISOPERATIONS GMBH
2020/03613	OCULIS SA	OCULISOPERATIONS GMBH
2013/01531	OBSCHCHEVTVO OGRANICHENNOY OTVETSTVENNOSTJU	ETB GLOBAL B.V.
2019/07940	TELECOMMUNICATION SYSTEM AND METHOD	RESQCALL TELECOMMUNICATIONS (PTY) LTD.
2021/02668	UNIVERSITY OF WOLLONGONG	SICONA BATTERY TECHNOLOGIES PTY LTD
2021/06560	STRIDEBIO, INC.	GINKGO BIOWORKS, INC.
2020/05908	STRIDEBIO, INC.	GINKGO BIOWORKS, INC.
2020/05909	STRIDEBIO, INC.	GINKGO BIOWORKS, INC.
2022/04383	STRIDEBIO, INC.	GINKGO BIOWORKS, INC.
2020/05725	STRIDEBIO, INC.	GINKGO BIOWORKS, INC.
2020/06602	WALKER, HUGH-INNES CAMERON, WALKER, CHARLENE JO-ANN, HELMAND, EDWIL	CLEARBRAC (PTY) LTD.
2022/06962	VENZO, ROGGERO ELISO CLAUDIO	ARROW POINT ENGINEERING (PTY) LTD
2019/03020	UNIVERSITY OF CAPE TOWN	HYPLAT (PTY) LTD
2019/03019	UNIVERSITY OF CAPE TOWN	HYPLAT (PTY) LTD
2019/03018	UNIVERSITY OF CAPE TOWN	HYPLAT (PTY) LTD
2018/07296	TRICIDA, INC.	RENOSIS INC.

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2017/00137	GORDON MURRAY DESIGN LIMITED	GORDON MURRAY TECHNOLOGIES LIMITED
2010/08593	ESBATECH, AN ALCON BIOMEDICAL RESEARCH UNIT LLC	ESBATECH, A NOVARTIS COMPANY LLC
2010/08597	ESBATECH, AN ALCON BIOMEDICAL RESEARCH UNIT LLC	ESBATECH, A NOVARTIS COMPANY LLC
2016/03485	ESBATECH, AN ALCON BIOMEDICAL RESEARCH UNIT LLC	ESBATECH, A NOVARTIS COMPANY LLC

Application Number	In the name of	New name
2013/08787	ESBATECH, AN ALCON BIOMEDICAL RESEARCH UNIT LLC	ESBATECH, A NOVARTIS COMPANY LLC
2011/03125	ESBATECH, AN ALCON BIOMEDICAL RESEARCH UNIT LLC	ESBATECH, A NOVARTIS COMPANY LLC
2012/00729	ANACOR PHARMACEUTICALS, INC.	ANACOR PHARMACEUTICALS, LLC
2017/02967	ANACOR PHARMACEUTICALS, INC.	ANACOR PHARMACEUTICALS, LLC
2011/04573	ANACOR PHARMACEUTICALS, INC.	ANACOR PHARMACEUTICALS, LLC
2009/09003	ANACOR PHARMACEUTICALS, INC.	ANACOR PHARMACEUTICALS, LLC
2004/09672	SHOWA DENKO CARBON GERMANY GMBH	RESONAC GRAPHITE GERMANY GMBH
2013/01598	ANACOR PHARMACEUTICALS, INC.	ANACOR PHARMACEUTICALS, LLC
2020/05943	ROCKWOOL INTERNATIONAL A/S	ROCKWOOL A/S
2005/08315	WYETH HOLDINGS CORPORATION	WYETH HOLDINGS LLC
2021/04940	CADILA HEALTHCARE LIMITED	ZYDUS LIFESCIENCES LIMITED
2023/00928	UNIVERSITE DE RENNES 1	UNIVERSITE DE RENNES
2018/06273	INTREXON CORPORATION	PRECIGEN, INC.
2023/07310	VESALE BIOSCIENCE SRL	INTELIPHAGE SRL
2021/00022	JIANGXI REEMOON TECHNOLOGY HOLDINGS CO., LTD.	REEMOON TECHNOLOGY CO., LTD.
2013/00081	DOVER BMCS ACQUISITION CORPORATION	APERGY BMCS ACQUISITION CORP.
2013/04825	DOVER BMCS ACQUISITION CORPORATION	APERGY BMCS ACQUISITION CORP.
2013/01988	DOVER BMCS ACQUISITION CORPORATION	APERGY BMCS ACQUISITION CORP.
2008/10674	METSO BRASIL INDUSTRIA E COMERCIO LTDA.	METSO OUTOTEC BRASIL INDUSTRIA E COMERCIO LTDA.
2013/08590	DOVER BMCS ACQUISITION CORPORATION	APERGY BMCS ACQUISITION CORP.
2012/03211	DOVER BMCS ACQUISITION CORPORATION	APERGY BMCS ACQUISITION CORP.
2023/05698	FRED HUTCHINSON CANCER RESEARCH CENTER	FRED HUTCHINSON CENTER
2019/03307	OCULIS OPERATIONS GMBH	OCULIS OPERATIONS SARL
2021/09597	OCULIS OPERATIONS GMBH	OCULIS OPERATIONS SARL
2020/03613	OCULIS OPERATIONS GMBH	OCULIS OPERATIONS SARL

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

Application Number	Licensor	Licensee
2018/08545	NORDEX ENERGY SPAIN, S.A.U.	NORDEX ENERGY SOUTH AFRICA (RF) (PROPRIETARY) LIMITED
2020/07649	KBIO HOLDINGS LIMITED	KBIO INC.

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2023/05151	WITHDRAWN	08/06/2023
2020/06123	WITHDRAWN	19/07/2023
2022/05680	WITHDRAWN	23/05/2023
2023/05151	WITHDRAWN	08/06/2023

APPLICATION FOR RESTORATION OF A LAPSED PATENT

THE PATENTS ACT, No. 57 OF 1978

APPLICATION FOR THE RESTORATION OF A LAPSED PATENT UNDER SECTION 47 OF THE ACT

Notice is hereby given that **KONINKLIJKE PHILIPS ELECTRONICS N.V.,** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2007/00431** entitled **DISTRIBUTED RESOURCE RESERVATION IN A WIRELESS AD HOC NETWORK,** dated **10/06/2006**, which lapsed on **10/06/2017** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **ADROK LIMITED,** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2016/05285** entitled **METHOD OF IDENTIFYING REFLECTED SIGNALS,** dated **29/01/2015**, which lapsed on **29/01/2022** 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 **ZHOU, Zhaodi**, whose address for service is **DM KISCH INC, JOHANNESBURG** has applied to the registrar for the restoration of Patent No **2021/02137** entitled **DRILL BODY,** dated **29/07/2019**, which lapsed on **29/07/2022** 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 **MICHAEL JOHN SPENCER**, whose address for service is **SPOOR & FISHER, CENTURION** has applied to the registrar for the restoration of Patent No **2012/02372** entitled **BLAST HOLE DRILL RIG**, dated **02/04/2012**, which lapsed on **02/04/2022** 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

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THE PATENTS ACT, No. 57 OF 1978

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

No records available

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: STEYN FRITZ 23 TREDOUX STREET, BEYERS PARK, BOKSBURG, 1459. Request permission to amend the specification of letters patent no: **2008/07535** of **02/09/2008** for **A TROLLEY CONTAINER**.

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: PRIMETEH A/S Smerla iela 3, Riga, LV-1006. Request permission to amend the specification of of letters patent no: **2012/03212** of **04/05/2012** for **COMPOSITE CONCRETE FOR FLOOR SLABS AND RAFTS.**

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: Syngenta Participations AG Schwarzwaldallee 215, BASEL 4058, SWITZERLAND. Request permission to amend the specification of letters patent no: **2019/02723** of **30/04/2019** for **AGROCHEMICAL CONCENTRATES CONTAINING ALKYL POLYGLUCOSIDE AND NON-IONIC SURFACTANT**.

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: NOVARTIS AG KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND. Request permission to amend the specification of letters patent no: **2007/10799** of **12/12/2007** for **CRYSTALLINE FORMS OF 4-METHYL-N-[3-(4-METHYL-IMIDAZOL-1-YL)-5-TRIFLUOROMETHYLPHENYL]-3-(4-[PYRIDIN-3-YL-PYRIMIDIN-2-YLAMINO)-BENZAMIDE**.

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: INNOVACELL BIOTECHNOLOGIE AG Mitterweg 24 6020 Innsbruck. Request permission to amend the specification of letters patent no: **2020/02410** of **04/05/2020** for **METHODS FOR OBTAINING MUSCLE DERIVED CELLS**.

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: RB Health (US) LLC 399 Interpace Parkway, Parsippany, New Jersey 07054. Request permission to amend the specification of letters patent no: **2019/02417** of **16/04/2019** for **FEMININE HYGIENE PRODUCTS**.

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: NELSON MANDELA UNIVERSITY of **UNIVERSITY WAY, SUMMERSTRAND, 6001 PORT ELIZABETH, SOUTH AFRICA.** Request permission to amend the specification of letters patent no**: 2019/03983** of **19 JUNE 2019** for **OLEA EUROPAEA POMACE EXTRACT AND METHOD FOR PRODUCING THE EXTRACT**

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

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

Registrar of Patents

Applicant: RAPT THERAPEUTICS, INC of **561 ECCLES AVENUE, SOUTH SAN FRANCISCO, CALIFORNIA, 94080, UNITED STATES OF AMERICA**. Request permission to amend the specification of letters patent no**: 2020/04551** of **22 JULY 2020** for **CHEMOKINE RECEPTOR MODULATORS AND USES THEREOF**

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

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

INSPECTION OF SPECIFICATIONS

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

COPIES OF DOCUMENTS

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

Photocopies: **R1, 00 per page**

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

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

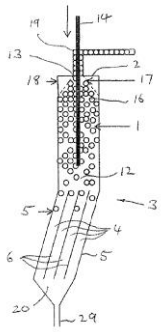
THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

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

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

Registrar of Patents

21: 2012/09575. 22: 2012/12/18. 43: 2023/07/06
51: B01J; B03B
71: NEWCASTLE INNOVATION LTD
72: GALVIN KEVIN PATRICK
33: AU 31: 2010902439 32: 2010-06-03
54: METHOD AND APPARATUS FOR SEPARATING LOW DENSITY PARTICLES FROM FEED SLURRIES
00: -
In a method and apparatus for separating low density particles from feed slurries, a bubbly mixture is formed in a downcomer (14) and issues into a mid region (12) in a chamber (1). An inverted reflux classifier is formed by parallel inclined plates (6) below the mid region allowing for efficient separation of low density particles which rise up to form a densely packed foam (16) in the top of the chamber, and denser particles which fall downwardly to an outlet (29).



21: 2013/05865. 22: 2013/08/05. 43: 2023/06/30
51: A61K; C07K; G01N; A61P
71: NATIONAL UNIVERSITY OF SINGAPORE, DSO NATIONAL LABORATORIES
72: MACARY PAUL ANTHONY, HANSON BRENDON JOHN, CHAN CONRAD EN ZUO, WENK MARKUS R
33: US 31: 61/435.396 32: 2011-01-24
54: PATHOGENIC MYCOBACTERIA-DERIVED MANNOSE-CAPPED LIPOARABINOMANNAN ANTIGEN BINDING PROTEINS
00: -
Described herein are antigen binding proteins that bind to pathogenic mycobacteria-derived Mannose-Capped Lipoarabinomannan (ManLAM) and methods and kits for using and making the antigen binding proteins. Also described herein are antigen binding proteins that bind to the alpha 1-2 linkage mannose caps of ManLAM, antigen binding proteins that bind to a mannose cap with up to three alpha 1-2 linked mannose residues, and antigen binding proteins that bind to LAM with a mannose sugar capping motif.

21: 2013/07781. 22: 2013/10/18. 43: 2023/07/06
51: G01N
71: BECTON DICKSON AND COMPANY
72: GUBATAYAO THOMAS CATALINO, HANDIQUE KALYAN, GANESAN KARTHIK, DRUMMOND DANIEL M
33: US 31: 61/476,175 32: 2011-04-15
33: US 31: 61/476,167 32: 2011-04-15
54: SCANNING REAL-TIME MICROFLUIDIC THERMOCYCLER AND MEHODS FOR SYNCHRONIZED THERMOCYCLING AND SCANNING OPTICAL DETECTION
00: -
Systems and methods for performing simultaneous nucleic acid amplification and detection. The systems and methods comprise methods for managing a plurality of protocols in conjunction with directing a sensor array across each of a plurality of reaction chambers. In certain embodiments, the protocols comprise thermocycling profiles and the methods may introduce offsets and duration extensions into the thermocycling profiles to achieve more efficient detection behavior.

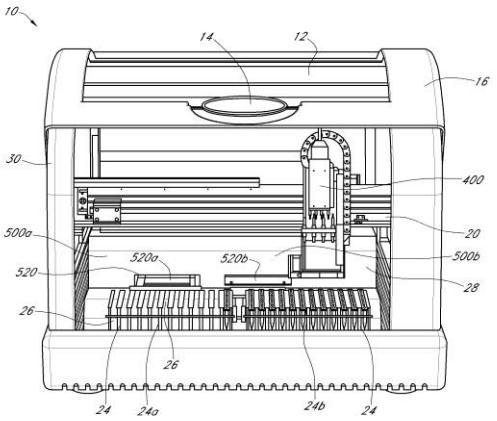


FIG. 1A

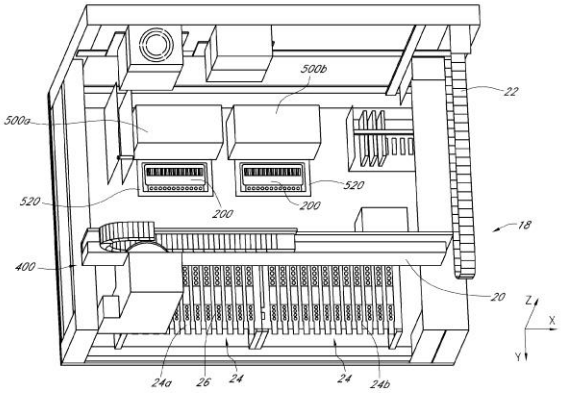
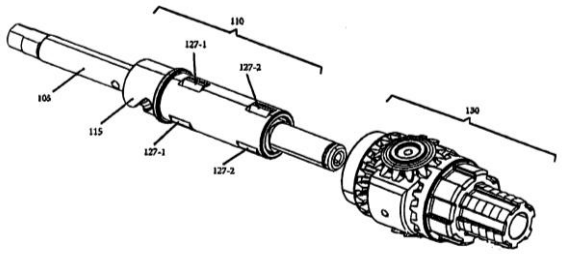
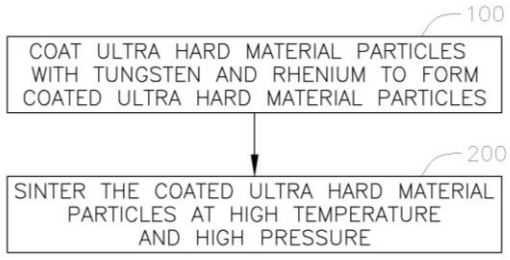


FIG. 1B

21: 2014/00933. 22: 2014/02/07. 43: 2023/07/06
51: B25B; F16D; F16H
71: HANGZHOU GREAT STAR TOOLS CO., LTD., RATCHET SOLUTIONS, INC.
72: WANG, Weiyi
33: CN 31: 201110189889.9 32: 2011-07-07
54: BIDIRECTIONAL MECHANICAL CONVERTING UNIT
00: -
The present invention discloses a bidirectional mechanical converting unit, comprising: a main shaft; a driving mechanism, which including a driving means and a reversing means which are coupled to each other; and a rotation means for inputting torque, an rotation axis of the rotation means being coaxial with the main shaft, the rotation means and the driving mechanism being coupled to each other, and the driving mechanism delivering the torque to output at the main shaft at a predetermined direction, no matter in which direction the rotation means rotates; wherein the predetermined direction can be switched via the reversing means. The present invention is simple structured, not only can efficiently utilizes the movements of .the rotation means in either way, but also can switch the rotation direction of the output shaft conveniently upon demand, with easy operations.

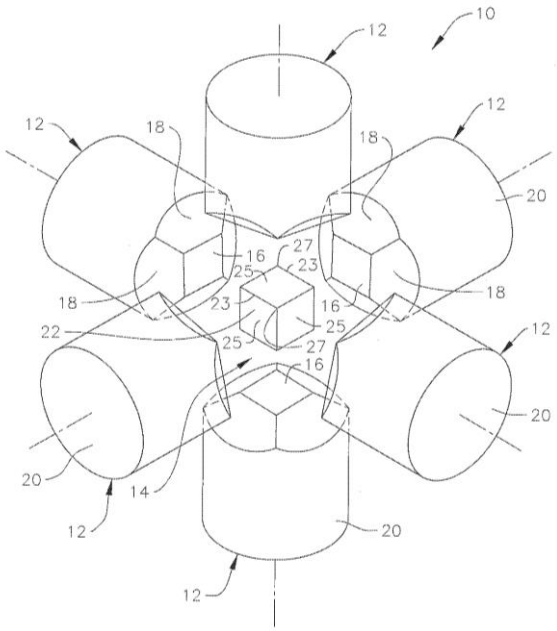


21: 2014/01735. 22: 2014/03/10. 43: 2023/07/31
51: B22F; C04B; C23C
71: SMITH INTERNATIONAL INC.
72: BAO, YAHUA, HORMAN, SCOTT L
33: US 31: 61/530,311 32: 2011-09-01
33: US 31: 13/599,329 32: 2012-08-30
54: HIGH CONTENT PCBN COMPACT INCLUDING W-RE BINDER
00: -
The present invention relates to tungsten-rhenium coated compounds, materials formed from tungsten-rhenium coated compounds, and to methods of forming the same. In embodiments, tungsten and rhenium are coated on ultra hard material particles to form coated ultra hard material particles, and the coated ultra hard material particles are sintered at high temperature and high pressure.

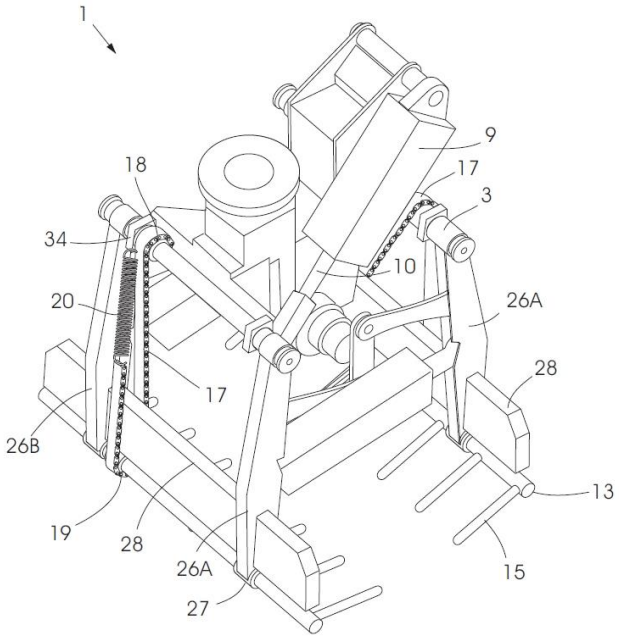


21: 2014/02632. 22: 2014/04/10. 43: 2023/06/30
51: B01J; C01B; C30B
71: SMITH INTERNATIONAL INC.
72: MIDDLEMISS, STEWART N
33: US 31: 61/551,621 32: 2011-10-26
33: US 31: 13/657,792 32: 2012-10-22
54: CONSTRUCTION AND COMPOSITION OF PREFORMED CONTAINERS USED IN A HIGH-PRESSURE PRESS

00: -
A container assembly for use in a high-pressure press having a central pressure cell and a method of sealing a central pressure cell. The container assembly includes a container that receives a sample to be pressed, and a gasket distinct from the container, the gasket meeting the container at an interface. The container and the gasket are dimensioned to locate the interface within the central pressure cell.

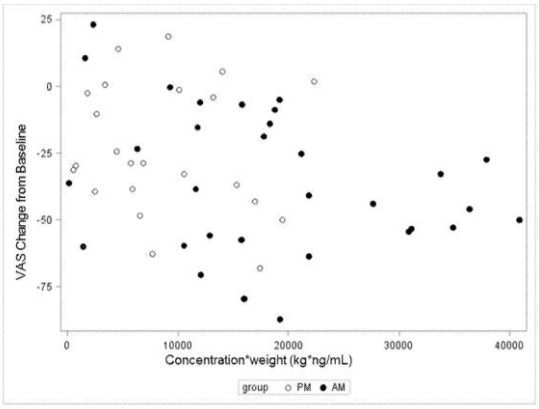


21: 2015/01803. 22: 2015/03/17. 43: 2023/07/18
51: B25J; B66F
71: MAAREN, Wynand, MAAREN, Jeroen, BENSCH, Martin
72: MAAREN, Wynand, MAAREN, Jeroen
33: ZA 31: 2013/09754 32: 2013-12-17
54: AN INDUSTRIAL ROBOT END-EFFECTOR
00: -
An industrial robot end-effector comprising a base operatively securable to an industrial robot, the base carrying two jaws forming at their free ends a jaw opening, with at least one of the jaws being movable between a first position in which the jaw opening is open and a second position in which the jaw opening is at least partly closed, and with at least one jaw including a support at its free end that is movable to open and close the jaw opening.



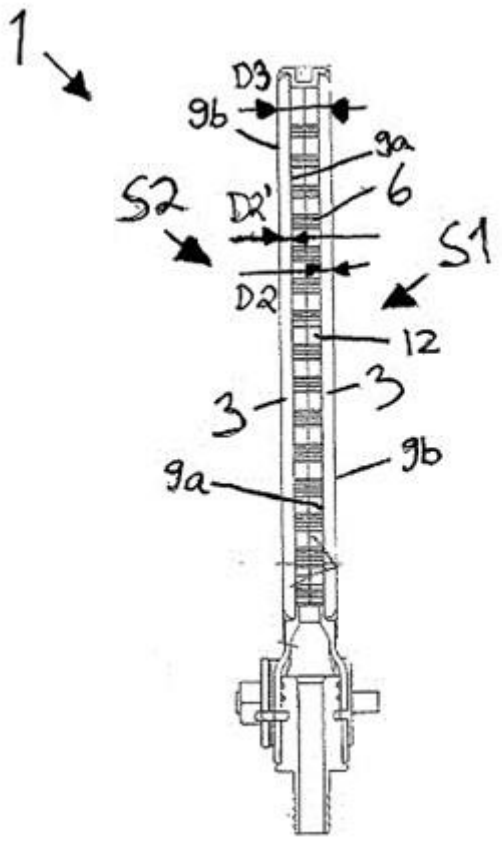
21: 2016/06523. 22: 2016/09/21. 43: 2023/06/01
51: A61K; A61P; C07K
71: Bird Rock Bio, Inc.
72: KRETZ-ROMMEL, Anke, SHI, Lei, FERRINI, Roger, YANG, Teddy, XU, Fei, CAMPION, Brian
33: PCT/CN 31: 2014/074199 32: 2014-03-27
54: ANTIBODIES THAT BIND HUMAN CANNABINOID 1 (CB1) RECEPTOR
00: -
The present invention relates to novel antibodies and fragments thereof that binds cannabinoid 1 (CB1) receptor. The antibodies and fragments thereof as disclosed herein include humanized antibodies that bind CB1 receptor. The invention also includes uses of the antibodies for treating a disease or disorder responsive to antagonism or agonism of the CB1 receptor.

21: 2017/06059. 22: 2017/09/06. 43: 2023/07/06
51: A61K; A61P
71: VANDA PHARMACEUTICALS INC.
72: POLYMEROPOULOS, Mihael, H., LICAMELE, Louis, William
33: US 31: 62/128,472 32: 2015-03-04
33: US 31: 62/232,644 32: 2015-09-25
54: METHOD OF TREATMENT WITH TRADIPITANT
00: -
This application relates to a method of treatment with tradipitant, and more particularly, to a method of treatment of pruritus with tradipitant

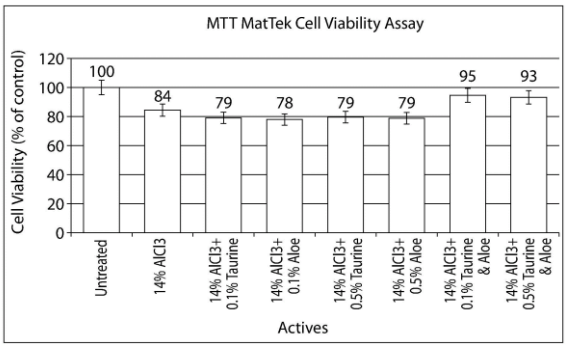


21: 2017/08453. 22: 2017/12/13. 43: 2023/08/11
51: C07H; C12N
71: IONIS PHARMACEUTICALS, INC.
72: BHANOT, Sanjay, FREIER, Susan, M., SWAYZE, Eric, E.
33: US 31: 62/191,231 32: 2015-07-10
54: MODULATORS OF DIACYGLYCEROL ACYLTRANSFERASE 2 (DGAT2)
00: -
The present embodiments provide methods, compounds, and compositions useful for inhibiting DGAT2 expression, which may be useful for treating, preventing, or ameliorating a disease associated with DGAT2.

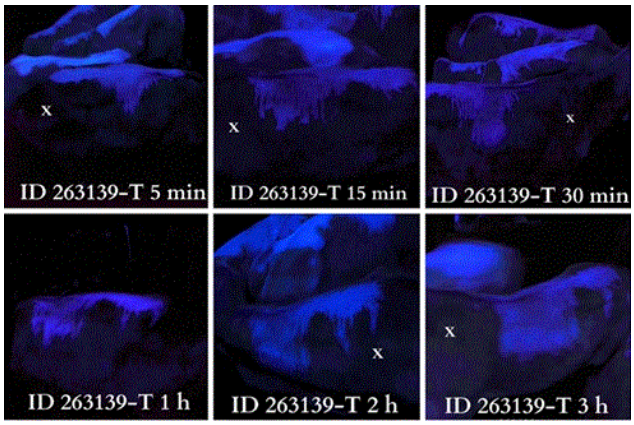
21: 2018/03242. 22: 2018/05/16. 43: 2023/06/01
51: B01D
71: METSO OUTOTEC FINLAND OY
72: HÖGNABBA, OLLI, SIMOLA, LAURA
33: FI 31: 20155793 32: 2015-11-03
54: FILTER ELEMENT FOR DISC FILTER APPARATUS
00: -
A filter element (1) for a disc filter apparatus (2) comprises at least one filter member (3). The filter member (3) comprises a permeable membrane layer and has a first filter surface (9a) for receiving a pressure and directed towards an internal cavity (12) arranged inside the filter element (1), and a second filter surface (9b) for receiving solid particles filtered from a feed. The filter member (3) forms a capillary filter. The thickness (D2, D2') of the filter member (3) in the transverse direction of the filter element (1) is smaller than or equal to 24 mm.



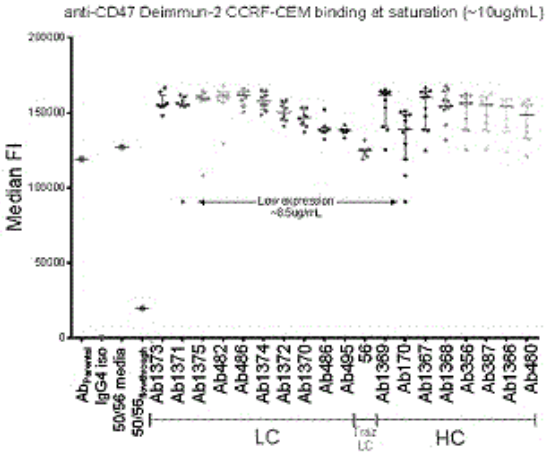
21: 2018/05792. 22: 2018/08/29. 43: 2023/06/22
51: A61K; A61Q
71: Colgate-Palmolive Company
72: PAN, Long, SEO, Jung, NABI, Zeenat, CHENG, Shujiang, SOLIMAN, Nadia, DU-THUMM, Laurence, SCALA, Diana, HOLERCA, Marian, ROBBINS, Kyle, PATEL, Rahul
54: TAURINE AND ALOE SYNERGISTIC ANTI-IRRITANT COMPOSITIONS AND METHODS
00: -
Personal care compositions containing active ingredients and an anti-irritant combination of aloe and taurine are disclosed. Methods of preparing the personal care composition and uses of the personal care composition are also disclosed.



21: 2018/08151. 22: 2018/12/03. 43: 2023/06/01
51: A61K
71: CEVA SAUDE ANIMAL LTDA
72: FOGACA DE OLIVEIRA, Bergson, FERRI ANGELIERI, Natalia, IMATO, Reinaldo, FERNANDEZ, Sandra
33: BR 31: 10 2017 025962-5 32: 2017-12-01
54: VETERINARY COMPOSITIONS AND USES THEREOF FOR CONTROLLING PARASITES IN NON-HUMAN MAMMALS
00: -
A veterinary composition including flumethrin, fluazuron, and propylene glycol monomethyl ether in a veterinarily acceptable vehicle. The invention also relates to the use of such compositions for controlling ectoparasites in a non-human mammal.

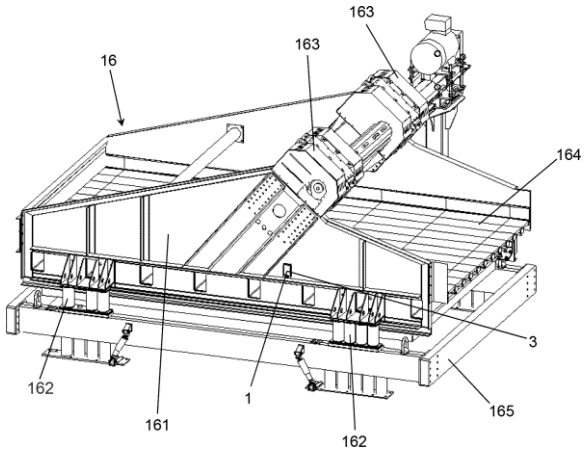


21: 2019/00070. 22: 2019/01/04. 43: 2023/06/02
51: C07K
71: CELGENE CORPORATION
72: JOHNSON, JEFFREY C, DEARTH, LAWRENCE, HADJIVASSILIOU, HARALAMBOS, SUN, JEONGHOON, HARIHARAN, KANDASAMY
33: US 31: 62/359,150 32: 2016-07-06
54: ANTIBODIES WITH LOW IMMUNOGENICITY AND USES THEREOF
00: -
Provided herein are antibodies and antigen-binding fragments thereof with low or no immunogenicity in humans and optionally with desirable manufacturing properties. Also provided are compositions comprising such antibodies or antigen-binding fragments, methods of using such antibodies, and methods for making such antibodies.



21: 2019/01213. 22: 2019/02/26. 43: 2023/08/04
51: G01H; G01M
71: SCHENCK PROCESS EUROPE GMBH
72: DINGEL, CARSTEN
33: DE 31: 10 2016 013 404.6 32: 2016-11-11
54: VIBRATION ANALYSIS UNIT FOR A VIBRATING MACHINE, METHOD FOR DISPLAYING VIBRATIONS AND COMPUTER PROGAM
00: -
The invention relates to a vibration analysis unit (1) comprising an attachment fixture (2) which is coupled with an arithmetic unit (3), the arithmetic unit (3) having at least one sensor (4) designed to detect motion and/or to detect acceleration, the attachment fixture (2) having at least one means (5) to be detachably fastened to a housing of a vibrating machine, in particular a vibrating conveyor or vibrating screen, an optical display device (6) being present, which is prepared to output the data detected by the sensor (4) and further processed in the arithmetic unit (3). The invention also relates to a method for displaying vibration-induced output information for analyzing the behavior of a vibrating machine, in particular a vibrating conveyor or vibrating screen, a sensor (4) designed to detect

motion and/or to detect acceleration being fastened to a housing of the vibrating machine, in particular the vibrating conveyor or vibrating screen, via an attachment fixture (2), the sensor (4) detecting data which is further processed in an arithmetic unit (3) connected to the sensor (4), and the further processed data being output in a display device (6). The invention also relates to a computer program (10) for carrying out certain steps when they are run on a computer system, the steps being designed as follows: detecting raw motion and/or acceleration data with the aid of a sensor (4); forwarding the raw data to an arithmetic unit (3); further processing the raw data into processed data in the arithmetic unit (3); forwarding the processed data to a display device (6); and outputting the processed data with the aid of a display device (6).

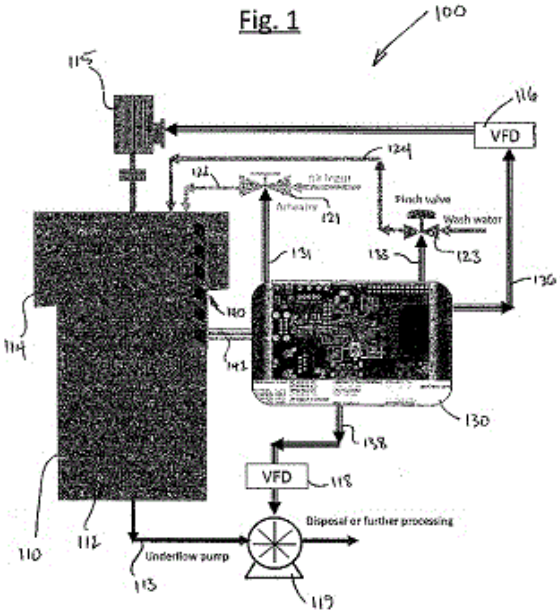


21: 2019/01567. 22: 2019/03/13. 43: 2023/06/01
51: B03D; G01N
71: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
72: MOHANARANGAM, KRISHNA, YANG, WEI
33: AU 31: 2016904518 32: 2016-11-04

54: INTERFACE DETECTION DEVICE AND SYSTEM FOR DISPERSED MULTI-PHASE FLUIDS

00: -

Embodiments generally relate to froth measurement apparatus, and related methods and systems. An example apparatus comprises: an elongate first housing portion; and a series of sensor probes positioned along the first housing portion, each of the sensor probes having a probe body extending away from the first housing portion by a distance and comprising first and second electrodes for measuring changes in electrical potential associated with froth and/or bubbles. The sensor probes comprise signal processing circuitry coupled to the probe bodies to receive analog output signals from the probe bodies and to generate digital output signals based on the analog output signals. The apparatus comprises at least one processor configured to receive the digital output signals or sensor information based on the digital output signals and configured to determine at least one froth parameter over a sampling period based on the digital output signals or the sensor information.



21: 2019/02047. 22: 2019/04/02. 43: 2023/05/11
51: A61K; C07K
71: NOVARTIS AG, THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
72: GILL, Saar, RUELLA, Marco, YOUNG, Regina, M., BRANNETTI, Barbara, BROGDON, Jennifer, ENGELS, Boris, GRANDA, Brian, HUANG, Lu, LEI, Ming, LI, Na, ZHANG, Jimin, GUIMARAES, Carla,
33: US 31: 62/405,520 32: 2016-10-07

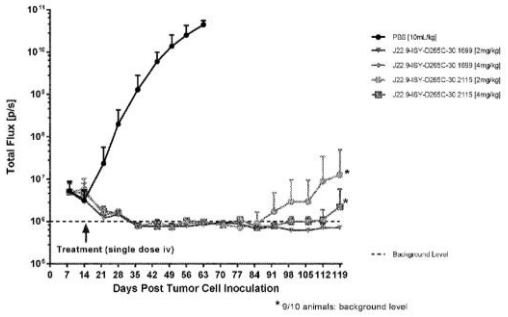
54: CHIMERIC ANTIGEN RECEPTORS FOR THE TREATMENT OF CANCER

00: -

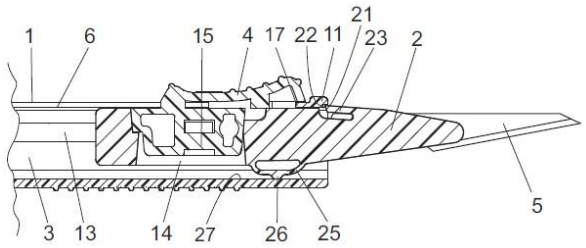
The invention provides compositions and methods for treating diseases associated with expression of CD20 or CD22. The invention also relates to chimeric antigen receptor (CAR) specific to CD20 or CD22, vectors encoding the same, and recombinant T or natural killer (NK) cells comprising the CD20

CAR or CD22 CAR. The invention also includes methods of administering a genetically modified T cell or NK cell expressing a CAR that comprises a CD20 or CD22 binding domain.

21: 2019/03062. 22: 2019/05/16. 43: 2023/08/11
51: A61K; A61P
71: Heidelberg Pharma Research GmbH
72: Torsten HECHLER, Michael KULKE, Christian LUTZ, Andreas PAHL, Christoph MÜLLER, Werner SIMON, Anikó PÁLFI
33: EP 31: 16206849.8 32: 2016-12-23
54: AMANITIN ANTIBODY CONJUGATES
00: -
The invention relates to a conjugate comprising (a) an amatoxin comprising (i) an amino acid 4 with a 6'-deoxy position; and (ii) an amino acid 8 with an S-deoxy position; (b) a BCMA-binding moiety comprising (i) the variable domains of humanized antibody J22.9-ISY, and (ii) a heavy chain constant region comprising a D265C mutation; and (c) a protease-cleavable linker linking said amatoxin and said target-binding moiety. The invention furthermore relates to a pharmaceutical composition comprising such conjugate, particularly for use in the treatment of multiple myeloma.



21: 2019/05964. 22: 2019/09/10. 43: 2023/06/05
51: A61B
71: MILTON, Trevor John
72: MILTON, Trevor John, NIEUWENHUIZEN, Norman Anthony
33: GB 31: 1703887.8 32: 2017-03-10
54: SCALPEL WITH RETRACTABLE BLADE
00: -
A scalpel has a handle (1) and a blade carrier (2) movable within a longitudinally extending cavity therein between an operative position in which a blade (5) on the blade carrier is exposed for use and an inoperative retracted position. A manually operable slider (4) moves the blade carrier (2) that has a catch face (21) directed rearwards in the operative position. The catch face partially aligns with a stop face (22) provided on the handle (1) in the normal operative position of the blade carrier such that force exerted on a blade carried by the blade carrier in the direction of the length of the handle causes engagement of the catch face with the stop face to arrest movement of the blade carrier into the cavity. Transverse biasing of the blade carrier (2) is overcome by pressure exerted on the slider (4) to retract the blade carrier (2) into the handle with the catch face (21) passing the stop face (22).

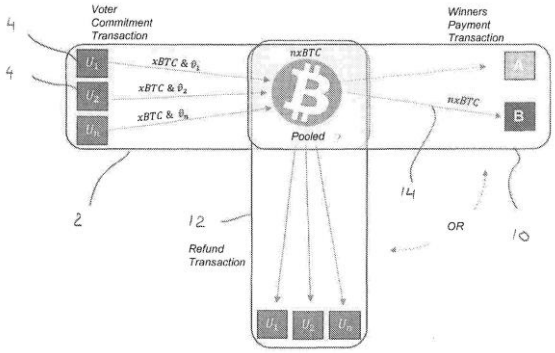


21: 2019/06100. 22: 2019/09/16. 43: 2023/06/22
51: A61K A61P
71: GENFIT
72: NOEL, Benoît, WALCZAK, Robert, BELANGER, Carole
33: EP 31: 17157279.5 32: 2017-02-21
33: EP 31: 17162161.8 32: 2017-03-21
33: EP 31: 17165131.8 32: 2017-04-05
54: COMBINATION OF A PPAR AGONIST WITH A FXR AGONIST
00: -
The present invention relates to a combination of active ingredients for use in the treatment of diseases.

21: 2020/00685. 22: 2020/01/31. 43: 2023/06/01
51: H04L
71: nChain Holdings Limited
72: BARTOLUCCI, Silvia, BERNAT, Pauline, JOSEPH, Daniel
33: GB 31: 1713800.9 32: 2017-08-29
54: SYSTEMS AND METHODS FOR COMMUNICATION, STORAGE AND PROCESSING OF DATA PROVIDED BY AN ENTITY OVER A BLOCKCHAIN NETWORK
00: -

A computer-implemented method of making a decision on a blockchain is provided. The method comprises providing a blockchain voting commitment transaction (2) redeemable by means of a first signature (σ(Am), σ(Bm)) associated with a selection (A, B) and a second signature (σ(A), σ(B)) associated with the selection, providing each of a plurality of participants (Ui) with at least one share (kA,i, KB,i) of at least one respective secret value (kA, kB) wherein a threshold number of shares is required in order to execute said second signature, and submitting the blockchain voting commitment transaction (2) to the blockchain.

Figure 1: Three Transactions of TSSV Protocol and their Relationship to the Pooled Bitcoin Commitments



21: 2020/00731. 22: 2020/02/04. 43: 2023/07/19
51: B22F
71: PYROGENESIS CANADA INC.
72: DORVAL DION, Christopher Alex, PROULX, François
33: US 31: 62/535,730 32: 2017-07-21
54: METHOD FOR COST-EFFECTIVE PRODUCTION OF ULTRAFINE SPHERICAL POWDERS AT LARGESCALE USING THRUSTER-ASSISTED PLASMA ATOMIZATION
00: -
A metal powder plasma atomization process and apparatus comprises at least one plasma torch, a confinement chamber, a nozzle positioned downstream of the confinement chamber and a diffuser positioned downstream of the nozzle. The nozzle accelerates liquid metal particles produced by the at least one plasma torch and also plasma gas to supersonic velocity such that the liquid metal particles are sheared into finer powders. The diffuser provides a Shockwave to the plasma gas to increase temperature of the plasma in order to avoid stalactite formation at an exit of the nozzle. The process increases both production rate of the metal powder and the yield of -45 µm metal powder.

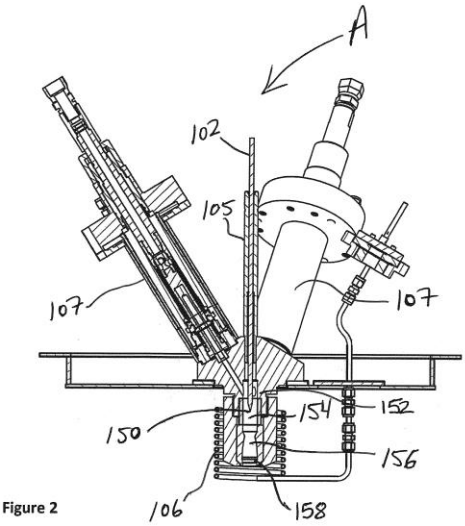


Figure 2

21: 2020/00882. 22: 2020/02/11. 43: 2023/06/22
51: A61K; A61P
71: WORG PHARMACEUTICALS (ZHEJIANG) CO., LTD.
72: MARTIN, KEITH, JANSSON, LISELOTTA
33: GB 31: 1713035.2 32: 2017-08-14
33: GB 31: 1713037.8 32: 2017-08-14
33: GB 31: 1713036.0 32: 2017-08-14
54: METHOD
00: -
The present invention relates to peptides derivable from a component of myelin, namely myelin basic protein (MBP), myelin oligodendrocyte glycoprotein (MOG) or myelin proteolipid protein (PLP), for use in the treatment or prevention of impaired cognition, particularly in subjects with multiple sclerosis (MS), dementia and/or demyelination in a subject. The peptides may be used in methods of treating subjects with impaired cognition, or preventing impaired cognition, particularly in subjects with MS, treating subjects with dementia, or preventing dementia, and/or treating demyelination in a subject, or preventing demyelination in a subject.

21: 2020/02050. 22: 2020/05/04. 43: 2023/07/19
51: A01N; C12N; C12P; C12R
71: VICTORIA LINK LIMITED
72: NICHOLSON, Matthew Joseph, KESSANS, Sarah Adeline, PARKER, Emily Jane,

BUSTAMANTE RODRIGUEZ, Leyla Yolanda, SCOTT, David Barry, VAN DE BITTNER, Kyle Cornelius, VAN DOLLEWEERD, Craig John
33: AU 31: 2017903956 32: 2017-09-29
54: HETEROLOGOUS BIOSYNTHESIS OF NODULISPORIC ACID
00: -
Nodulisporic acids (NAs) comprise a group of indole diterpenes known for their potent insecticidal activities; however, biosynthesis of NAs by its natural producer, Hypoxylon pulicicidum (Nodulisporium sp.) is exceptionally difficult to achieve. The identification of genes responsible for NA production could enable biosynthetic pathway optimization to provide access to NAs for commercial applications. Obtaining useful quantities of NAs using published fermentations methods is challenging, making gene knockout studies an undesirable method to confirm gene function. Alternatively, heterologous gene expression of H. pulicicidum genes in a more robust host species like Penicillium paxilli provides a way to rapidly identify the function of genes that play a role in NA biosynthesis. In this work, we identified the function of four secondary-metabolic genes necessary for the biosynthesis of nodulisporic acid F (NAF) and reconstituted these genes in the genome of P. paxilli to enable heterologous production of NAF in this fungus.

21: 2020/02572. 22: 2020/05/08. 43: 2023/06/21
51: A01N; A01P
71: Adama Agan Ltd.
72: SAALFELD, Frank, SCHRAGE, Heinrich
33: EP(DE) 31: 17195515.6 32: 2017-10-09
54: DIURON-CONTAINING FRUIT THINNING AGENT
00: -
The invention relates to a method for thinning out fruits using 3-(3,4-dichlorphenyl)-1,1-dimethylurea (diuron) and calcium formate, and to fruit thinning agents containing diuron and calcium formate.

21: 2020/03285. 22: 2020/06/02. 43: 2023/07/19
51: B22F; B33Y
71: PYROGENESIS CANADA INC.
72: DORVAL DION, Christopher, Alex, SHAHVERDI, Ali, PROULX, François
33: US 31: 62/585,882 32: 2017-11-14
54: METHOD AND APPARATUS FOR PRODUCING FINE SPHERICAL POWDERS FROM COARSE AND ANGULAR POWDER FEED MATERIAL
00: -
A high temperature process is provided, which can melt, atomize and spheroidize a coarse angular powder into a fine and spherical one. it uses thermal plasma to melt the particle in a heating chamber and a supersonic nozzle to accelerate the stream and break up the particles into finer ones.

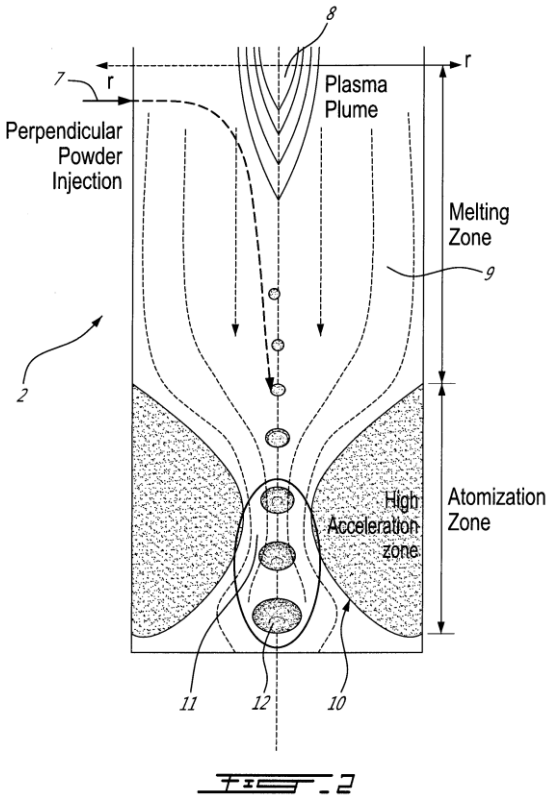
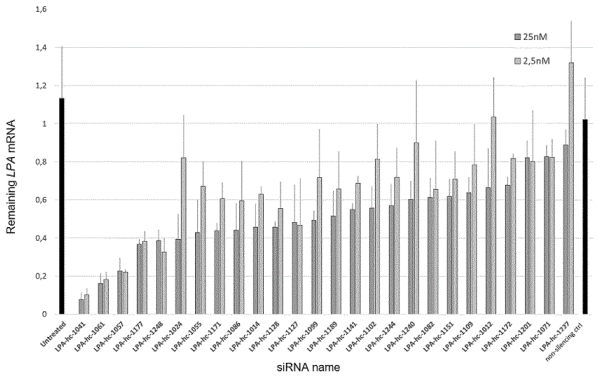


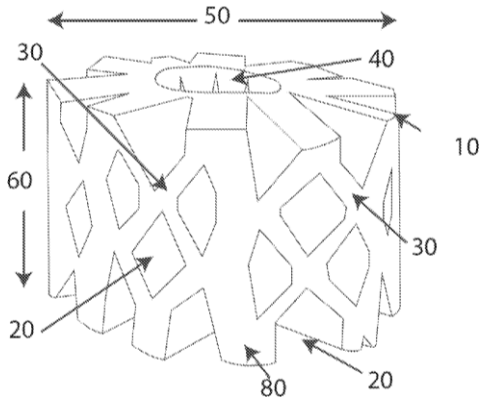
Fig. 2

21: 2020/03371. 22: 2020/06/05. 43: 2023/06/08
51: C12N A61K A61P
71: SILENCE THERAPEUTICS GMBH
72: DAMES, Sibylle, SCHUBERT, Steffen, TENBAUM, Stephan, FRAUENDORF, Christian, BETHGE, Lucas, HAUPTMANN, Judith, WEINGÄRTNER, Adrien, RIDER, David, Anthony
33: EP 31: 17201449.0 32: 2017-11-13
33: EP 31: 18179175.7 32: 2018-06-21
33: GB 31: 1815915.2 32: 2018-09-28
54: NUCLEIC ACIDS FOR INHIBITING EXPRESSION OF LPA IN A CELL
00: -
The present invention relates to products and compositions and their uses. In particular the invention relates to nucleic acid products that

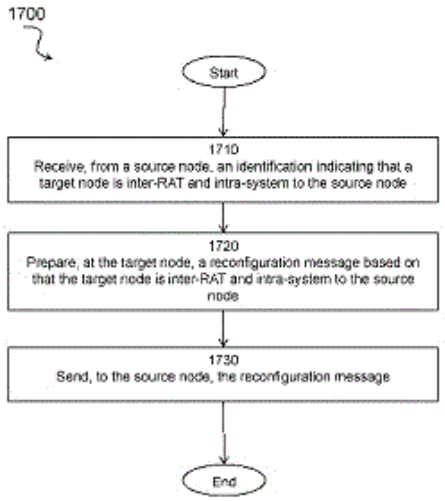
interfere with the LPA gene expression or inhibit its expression for use as treatment, prevention or reduction of risk of suffering cardiovascular disease such as coronary heart disease or aortic stenosis or stroke or any other disorder, pathology or syndrome linked to elevated of Lp(a)-containing particles.



21: 2020/03728. 22: 2020/06/19. 43: 2023/07/19
51: A47C; F16F
71: ELISANA S.A.R.L.
72: ČEŠKO, Sandi, WERNER, Heiko Peter
33: US 31: 62/590,084 32: 2017-11-22
54: HOLLOW TUBULAR CENTER BULGING FOAM SPRING
00: -
A hollow tubular foam spring (10) having a plurality of radially extending holes (20) extending from an outer surface (30) towards a central hollow core (40). The tubular foam spring (10) is arranged with wall thickness and diameter to height ratios such that center bulging is achieved under compressive loads. In an embodiment, such as in a mattress, seat, cushion or pillow, springs (10) are arranged in an array whereby some impinge upon one another due to central bulging.



21: 2020/04382. 22: 2020/07/16. 43: 2023/08/02
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: OUMER TEYEB, LIAN ARAUJO, PATRICK RUGELAND, GUNNAR MILDH
33: US 31: 62/631,421 32: 2018-02-15
54: METHOD FOR INTER-RADIO ACCESS TECHNOLOGY HANDOVER
00: -
A method for inter-Radio Access Technology (RAT) handover comprises preparing, at a target node, a reconfiguration message based on that the target node is inter-RAT and intra-system to a source node, and sending, to the source node, the reconfiguration message for forwarding the reconfiguration message to a user equipment (UE). The reconfiguration message comprises configuration for reconfiguring lower layer at the UE and further keeps the UE from reconfiguring upper-layer configuration. The target node disclosed in the method prepares a reconfiguration message specific to different types of RAT combination and system between the source node and the target node to provide loss-less and in-order data delivery during and after the handover.



21: 2020/04657. 22: 2020/07/28. 43: 2023/07/21
51: A61K; A61M
71: ACERUS BIOPHARMA INC.
72: WESTFIELD, Gerwin, ZWIERKO, Margaux, RAMASAMY, Ranjith, BRYSON, Nathan
33: US 31: 62/625,653 32: 2018-02-02
33: US 31: 62/756,976 32: 2018-11-07
54: METHODS OF TESTOSTERONE THERAPY
00: -
Methods and systems for preventing or reducing side effects of testosterone replacement therapy (TRT) by administering a testosterone formulation multiple times per day are disclosed. The methods of the present invention enable men who cannot tolerate previous TRT regimens, eg because they wish to attempt to conceive or are at risk of developing cardiovascular side effects, to receive TRT treatment.

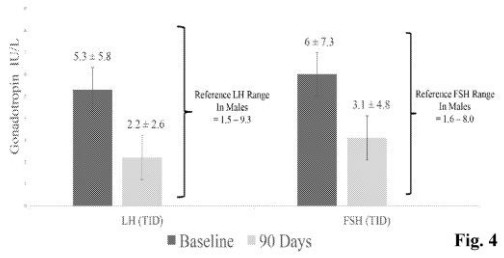
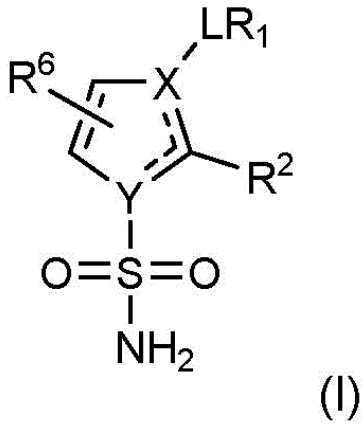


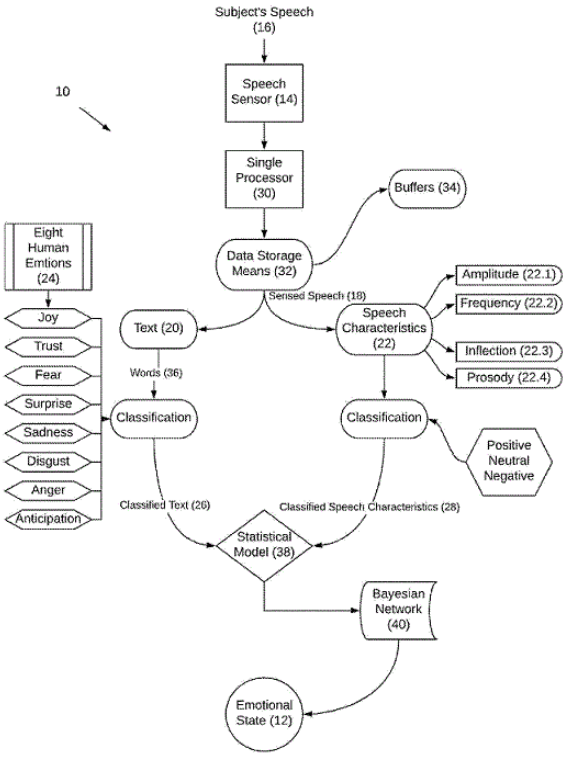
Fig. 4

21: 2020/06612. 22: 2020/10/23. 43: 2023/06/05
51: A61K; A61P; C07D
71: Infex Therapeutics Limited
72: WILKINSON, Andrew, COOPER, Ian, ORR, David, FINLAYSON, Jonathan, BUNT, Adam, APPELQVIST, Pia, WALLBERG, Hans, WÅNGSELL, Fredrik
33: GB 31: 1807966.5 32: 2018-05-16
54: ANTIBACTERIAL COMPOUNDS
00: -
This invention relates to compounds of formula (I) and methods of treatment using the compounds. The compounds of the invention can be used in combination with antibacterial agents to treat bacterial infections.More specifically, the compounds of formula (I) can be used in combination with a class of antibacterial agents known as carbapenems. The novel compounds of the present invention are enzyme inhibitors and more particularly are metallo-ß-lactamase inhibitors.



(I)

21: 2020/07025. 22: 2020/11/11. 43: 2023/06/12
51: G10L
71: FUTURE FRAGMENT (PTY) LTD
72: TALJAARD, Deon, JACOBS, Stuart, Robert
33: ZA 31: 2018/02357 32: 2018-04-11
54: A SYSTEM FOR DETERMINING AN EMOTIONAL STATE OF A SUBJECT
00: -
The system (10) for determining an emotional state (12) of a subject includes a speech sensor (14) for sensing a subject's speech (16), a receiving means arranged in communication with the speech sensor (12) for receiving the sensed speech (18) thereby, a converting means for converting the sensed speech (18 into text (20), a classifying means for classifying the text (20) and speech characteristics (22) of the subject's speech (16) according to a predetermined set of human emotions (24), and an analysing means for analysing classified text (26) and classified speech characteristics (28) so as to determine the emotional state (12) of the subject.



21: 2020/07753. 22: 2020/12/11. 43: 2023/06/05
51: A61B
71: MEDI-SAFE SURGICALS (PTY) LTD
72: MILTON, Trevor John, NIEUWENHUIZEN, Norman Anthony
33: ZA 31: 2018/03615 32: 2018-05-31
54: SAFETY SCALPEL
00: -
A safety scalpel having a retractable protective guard for covering a blade of the scalpel when the scalpel is not in use is provided. The protective guard limits inadvertent contact with the scalpel blade which may reduce the likelihood of accidental cuts or damage to the blade.

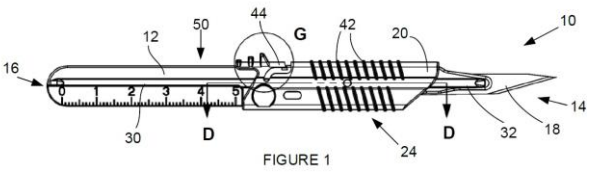
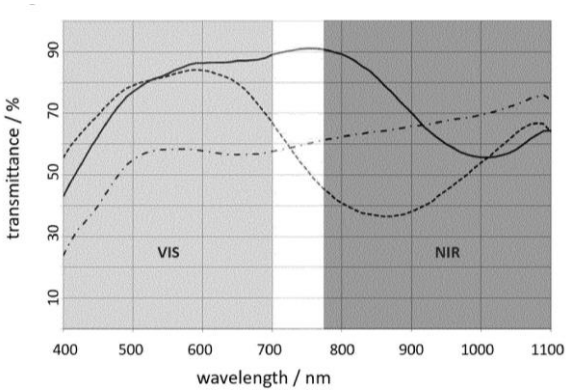


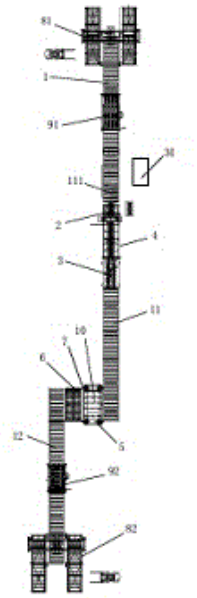
FIGURE 1

21: 2020/07782. 22: 2020/12/14. 43: 2023/06/12
51: B41M; C09D
71: SICPA HOLDING SA
72: DEMARTIN MAEDER, Marlyse, DESPLAND, Claude-Alain
33: EP(CH) 31: 18172309.9 32: 2018-05-15
54: MACHINE READABLE SECURITY FEATURES
00: -
The present invention relates to the field of security inks suitable for printing machine readable security features on substrate, security documents or articles as well as machine readable security feature made from said security inks, and security documents comprising a machine readable security feature made from said security inks. In particular, the invention provides security inks comprising one or more IR absorbing materials selected from the group consisting of crystal water-free iron(II) orthophosphates of the general formula Fe



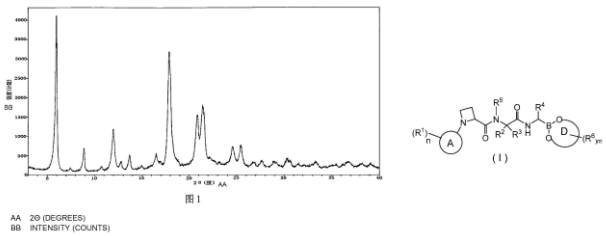
21: 2021/00084. 22: 2021/01/06. 43: 2023/06/02
51: B32B; E04F; B44C
71: BEIJING NEW BUILDING MATERIALS PUBLIC LIMITED COMPANY, CHINA NATIONAL BUILDING MATERIALS TECHNOLOGICAL INNOVATION & RESEARCH INSTITUTE
72: WANG, BIN, YANG, ZHENGBO, DONG, ZHANBO, BAI, JIXIN, LI, YONGLIN, WANG, HONGBO, SUN, RUIHAI, WANG, YANLIN, GAO, YUZHU, JIANG, CHAO, LIU, MINGHAI
33: CN 31: 202010130772.2 32: 2020-02-28
54: DECORATIVE BOARDS, AND PRODUCTION LINES AND PRODUCTION PROCESSES THEREOF
00: -
A decorative board, production line and production process thereof. The production line includes a control center, conveying roller bed, pasting device, cutting mechanism, first pressing mechanism, cropping mechanism and a second pressing mechanism all arranged successively along a conveying direction of the conveying roller bed. The pasting device is configured to press the finish material on a decorated surface of the substrate.

The cutting mechanism is configured to cut the finish material at a position between the adjacent substrates. The first pressing mechanism is configured to press the edge of the finish material on a side surface and a bottom surface of the substrate. The second pressing mechanism is configured to press the end of the finish material on an end surface and a bottom surface of the substrate. The production line reduces defects such as burring and tearing, and realizes a high degree of automation.



21: 2021/00218. 22: 2021/01/13. 43: 2023/06/21
51: A43B
71: MACBEAN BEIER PLASTICS (PTY) LTD t/a NEUCOAT
72: BEIER, Hermann Hans-Heinrich
33: ZA 31: 2019/08338 32: 2019-12-13
54: BREATHABLE UPPER MATERIAL FOR FOOTWEAR
00: -
An upper for footwear comprising a flexible plastic layer which is bonded to an air-permeable material and which has an open area, due to perforations in the layer, of less than 5%.

21: 2021/00661. 22: 2021/01/29. 43: 2023/06/05
51: A61K; A61P; C07F
71: Chia Tai Tianqing Pharmaceutical Group Co., Ltd.
72: XIONG, Jian, XIE, Cheng, XU, Xiongbin, CHEN, Kevin X., LI, Jian, CHEN, Shuhui, ZHANG, Aiming, ZHANG, Xiquan, TIAN, Xin
33: CN 31: 201810872672.X 32: 2018-08-02
54: BORATE OF AZETIDINE DERIVATIVE
00: -
A borate compound of an azetidine derivative, relating in particular to a compound represented by formula (I) or a pharmaceutically acceptable salt thereof, a tautomer thereof, a stereoisomer thereof or a geometric isomer thereof, as well as a use thereof in the preparation of a drug used for the treatment or prevention of multiple myeloma.



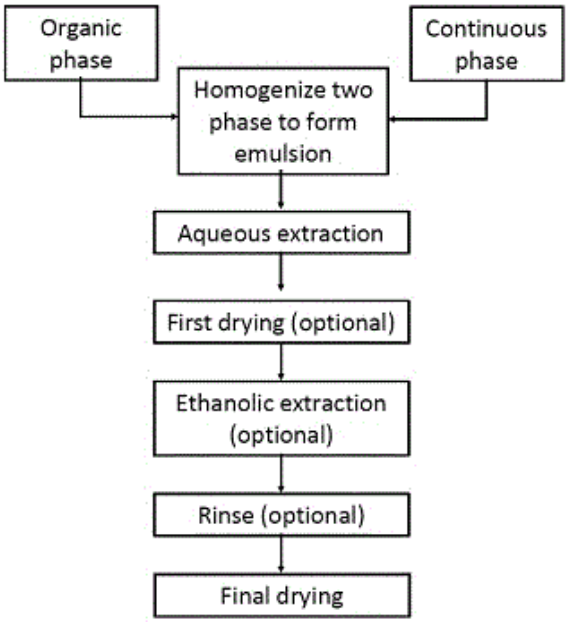
21: 2021/01369. 22: 2021/02/26. 43: 2023/06/07
51: C09D
71: DANIMER IPCO, LLC
72: GRUBBS III, JOE B , EATON, RICHARD, BROOKS, KARSON
33: US 31: 62/718,039 32: 2018-08-13
54: BIODEGRADABLE COATINGS BASED ON AQUEOUS PHA DISPERSIONS
00: -
A biodegradable aqueous dispersion is disclosed, which is made up of from about 35 to about 75 weight percent water and from about 25 to about 65 weight percent of polyhydroxyalkanoates. Also disclosed is a biodegradable food service item, which includes a biodegradable substrate having at least one food contact surface. A coating is applied over the at least one food contact surface, which is formed from the biodegradable aqueous dispersion.

21: 2021/02358. 22: 2021/04/09. 43: 2023/06/19
51: A01N; A01P
71: SYMBORG, SL
72: JUAREZ MOLINA, JESUS, FERNANDEZ, FELIX, BERNABE GARCIA, ANTONIO JOSE, VILA MARTINEZ, ANA, TORRES VERA, ROCIO
33: EP 31: 18382653.6 32: 2018-09-12
54: DOMINIKIA SP. STRAIN, COMPOSITIONS COMPRISING IT AND USES
00: -
Object of the invention is the strain of fungus Dominikia sp. deposited under accession number MUCL 57072, that can be included into

compositions; said composition being suitable to be used as bio-stimulant and bio-nematicidal in plants, preferably in cereals. Also object of the invention is a process for obtaining said compositions.

21: 2021/02592. 22: 2021/04/19. 43: 2023/06/01
51: A01N; A01P
71: HENRY MANUFACTURING LTD
72: HENRY, CHRISTOPHER
33: NZ 31: 748004 32: 2018-11-05
33: NZ 31: 753590 32: 2019-05-15
54: TREATMENT OF PLANTS OR FUNGI AGAINST DISEASE
00: -
A method of treating a plant against disease resulting from Pseudomonas bacteria or Monilinia fungi, comprising applying to the plant a fatty acid and a silicate.

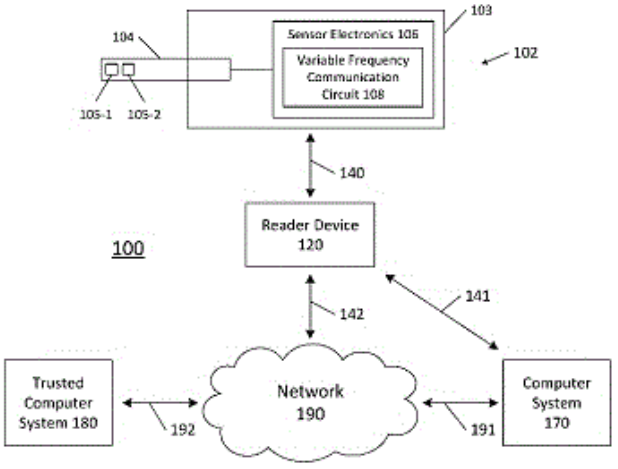
21: 2021/02739. 22: 2021/04/23. 43: 2023/06/19
51: A61K; A61P
71: CHONG KUN DANG PHARMACEUTICAL CORP., PURDUE RESEARCH FOUNDATION
72: YOON, GWANGHEUM, SOH, BONG KWAN, OTTE, ANDREW DAVID, PARK, KINAM
33: US 31: 62/745,805 32: 2018-10-15
54: INJECTABLE LONG-ACTING NALTREXONE MICROPARTICLE COMPOSITIONS
00: -
The present disclosure relates to naltrexone sustained release microparticle delivery systems for the treatment of diseases ameliorated by naltrexone. The injectable microparticle delivery system includes naltrexone encapsulated in biodegradable microparticles administered in a pharmaceutically acceptable vehicle.



21: 2021/03209. 22: 2021/05/12. 43: 2023/06/21
51: C07D A61P
71: POXEL
72: BOLZE, Sébastien, LANZ, Marc, ARICAN, Deniz, O'SULLIVAN, Anthony, HALLAKOU-BOZEC, Sophie, NAVARRE, Laure
33: EP 31: 18306505.1 32: 2018-11-16
54: MONOHYDRATE POTASSIUM SALT OF A THIENOPYRIDONE DERIVATIVE AND ITS PREPARATION PROCESS
00: -
Monohydrate potassium salt of a thienopyridone derivative and its preparation process The invention relates to a process for preparing a monohydrate potassium salt of a 5 thienopyridone derivative. It also relates to a monohydrate potassium salt of a thienopyridone derivative and its use in medicine, in particular for treating or preventing metabolic disorders, such as NASH.

21: 2021/03512. 22: 2021/05/24. 43: 2023/06/05
51: G01N; G01R; G06K; H01Q
71: ABBOTT DIABETES CARE INC.
72: HE, LEI, LOVE, MICHAEL R
33: US 31: 62/781,972 32: 2018-12-19
54: SYSTEMS, DEVICES, AND METHODS FOR RF DETECTION OF ANALYTE SENSOR MEASUREMENTS
00: -
Embodiments that translate a sensor measurement to a frequency characteristic are disclosed. The frequency characteristic can be wirelessly detected

by a reader device. The detected frequency characteristic can be used to determine the corresponding sensor measurement. Devices utilizing this approach can be characterized or calibrated to increase accuracy. Systems and methods utilizing the approaches are also described.



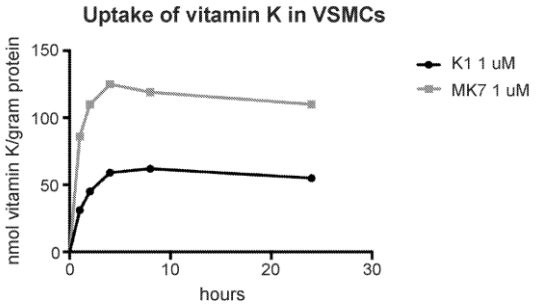
21: 2021/03926. 22: 2021/06/08. 43: 2023/07/19
51: A23L
71: FUTURELIFE HEALTH PRODUCTS LIMITED
72: Paul Anthony SAAD
33: ZA 31: 2020/03491 32: 2020-06-11
54: A NUTRITIONAL SUPPLEMENT REPAIR FORMULATION
00: -
This invention relates to a nutritional supplement repair formulation for support and maintenance of bones, teeth, corneas and connective tissue including skin, muscles, tendons, ligaments, cartilage, and blood vessels, and a method of making the supplement. Furthermore the invention relates to a method of support and maintenance of bones, teeth, corneas and connective tissue including skin, muscles, tendons, ligaments, cartilage, and blood vessels by use of the nutritional supplement repair formulation of the invention.

21: 2021/04167. 22: 2021/06/17. 43: 2023/07/18
51: A61K; A61P
71: UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG
72: WEISS, Stefan Franz Thomas, VAN DER MERWE, Eloise, CUTTLER, Katelyn, BIGNOUX, Monique, BURNS, Jessica
33: ZA 31: 2018/08025 32: 2018-11-28
54: COMPOUNDS FOR USE IN THE TREATMENT OF PARKINSON'S DISEASE
00: -
The field of this invention relates to LRP/LR for use in the treatment and/or prevention of Parkinson's disease (PD). The invention extends to pharmaceutical compositions comprising LRP/LR for use in the treatment of Parkinson's Disease (PD), and extends to a method of maintaining concentration levels of dopamine within a human or animal body.

21: 2021/06265. 22: 2021/08/30. 43: 2023/06/12
51: C12N
71: Arrowhead Pharmaceuticals, Inc.
72: MELQUIST, Stacey, KANNER, Steven, ROZEMA, David B., LEWIS, David L., ALMEIDA, Lauren J., WAKEFIELD, Darren H., TRUBETSKOY, Vladimir S., PEI, Tao, LI, Zhen, ALMEIDA, Aaron
33: US 31: 62/235,816 32: 2015-10-01
54: COMPOSITIONS AND METHODS FOR INHIBITING GENE EXPRESSION OF LPA
00: -
RNA interference (RNAi) agents and RNAi agent conjugates for inhibiting the expression of the LPA (apo(a)) gene are described. Pharmaceutical compositions comprising one or more LPA RNAi agents optionally with one or more additional therapeutics are also described. Delivery of the described LPA RNAi agents to liver cells in vivo provides for inhibition of LPA gene expression and treatment of cardiovascular and cardiovascular-related diseases.

21: 2021/06359. 22: 2021/08/31. 43: 2023/05/08
51: A61K; A61P
71: Nattopharma AS.
72: VAN GORP, Rick
33: US 31: 62/817,037 32: 2019-03-12
54: USE OF VITAMIN K IN COMBINATION WITH ANTICOAGULANTS
00: -
A method of treating or preventing a condition characterized by unacceptable blood clotting and/or an increased risk thereof, the method including administering to a subject in need thereof a combination of vitamin K2 and at least one anticoagulant, the at least one anticoagulant having a first anticoagulant configured to inhibit free Factor

Xa and/or Factor Xa bound in a prothrombinase complex of the subject.

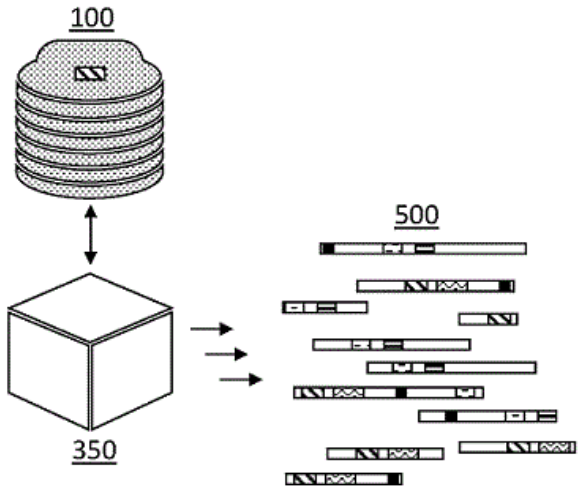


21: 2021/06379. 22: 2021/09/01. 43: 2023/06/07
51: C12Q G01N
71: BIOCLUE BV
72: VAN HYFTE, Dirk, VAN HYFTE, Arnout, BRANDS, Ingrid, VAN HYFTE, Ewald
33: EP 31: 19156086.1 32: 2019-02-07
33: EP 31: 19190900.1 32: 2019-08-08

54: BIOLOGICAL SEQUENCING

00: -

In a first aspect, the present invention relates to a method for sequencing a biopolymer or biopolymer fragment, taking into account information contained in a repository of fingerprint data strings, the method comprising: a) obtaining at least one read for said biopolymer or biopolymer fragment using a sequencer, and b) processing the read by the computer-implemented steps of: b1) searching the read for occurrences of one or more of the characteristic biological subsequences represented by the fingerprint data strings and b2) validating or rejecting the read by, for each occurrence, determining whether or not a sequence unit consecutive to the characteristic biological subsequence conforms with the combinatory data in the repository, and/or b1') searching a head and/or tail of the read for an occurrence of one of the characteristic biological subsequences represented by the fingerprint data strings and b2') predicting one or more consecutive sequence units to the read from the combinatory data in the repository.

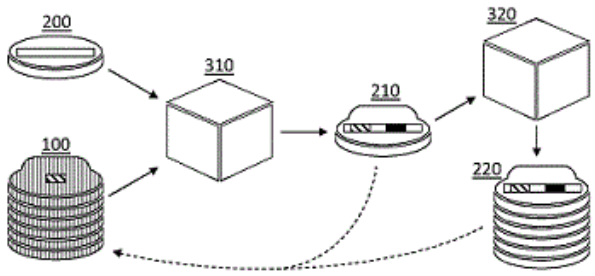


21: 2021/06380. 22: 2021/09/01. 43: 2023/06/07
51: C12Q G01N
71: BIOKEY BV
72: VAN HYFTE, Dirk, VAN HYFTE, Arnout, BRANDS, Ingrid, VAN HYFTE, Ewald.
33: EP 31: 19156085.3 32: 2019-02-07
33: BE 31: BE2019/5077 32: 2019-02-07
33: EP 31: 19190899.5 32: 2019-08-08

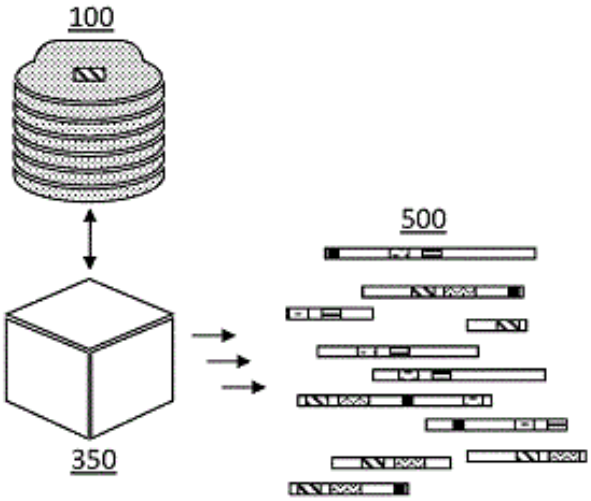
54: BIOLOGICAL SEQUENCE INFORMATION HANDLING

00: -

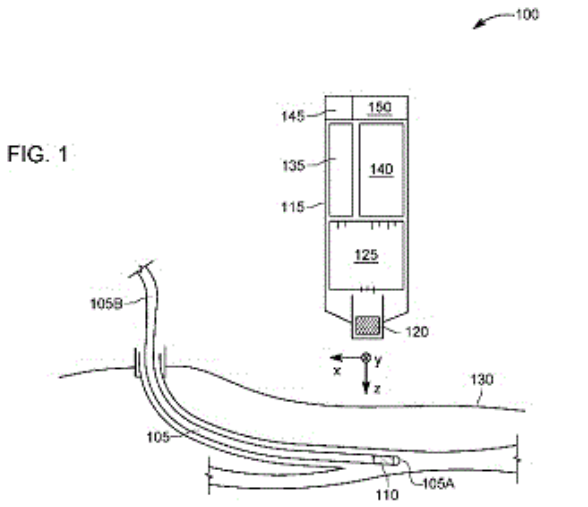
In a first aspect, the present invention relates to a repository of fingerprint data strings for a biological sequence database, each fingerprint data string representing a characteristic biological subsequence made up of sequence units, each characteristic biological subsequence having in the biological sequence database a combinatory number which is lower than the total number of different sequence units available thereto, the combinatory number of a biological subsequence being defined as the number of different sequence units that appear in the biological sequence database as a consecutive sequence unit of the biological subsequence.



21: 2021/06381. 22: 2021/09/01. 43: 2023/06/07
51: C12Q G01N
71: BIOSTRAND BV
72: VAN HYFTE, Dirk, VAN HYFTE, Arnout, BRANDS, Ingrid, VAN HYFTE, Ewald
33: EP 31: 19156085.3 32: 2019-02-07
33: EP 31: 19156086.1 32: 2019-02-07
33: BE 31: BE2019/5077 32: 2019-02-07
33: EP 31: 19190899.5 32: 2019-08-08
33: EP 31: 19190900.1 32: 2019-08-08
33: EP 31: 19190901.9 32: 2019-08-08
54: BIOLOGICAL INFORMATION HANDLING
00: -
In a first aspect, the present invention relates to a computer-implemented method for obtaining information on a biological entity which is based on at least one biological sequence, comprising: (a) providing a repository of fingerprint data strings for a biological sequence database, each fingerprint data string representing a characteristic biological subsequence made up of sequence units, each characteristic biological subsequence having in the biological sequence database a combinatory number which is lower than the total number of different sequence units available thereto, the combinatory number of a biological subsequence being defined as the number of different sequence units that appear in the biological sequence database as a consecutive sequence unit of the biological subsequence; (b) determining one or more fingerprint data strings which are representative for the biological entity; (c) searching a repository comprising information associated with the fingerprint data strings for information associated with the one or more representative fingerprint data strings; and (d) processing the information.



21: 2021/08055. 22: 2021/10/20. 43: 2023/06/22
51: A61B
71: KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, STELLENBOSCH UNIVERSITY
72: KOSEL, JÜRGEN, SWANEPOEL, LIAM, FOURIE, PIETER
33: US 31: 62/827,588 32: 2019-04-01
33: US 31: 62/904,753 32: 2019-09-24
54: POSITIONING OF A SUBCUTATEOUS DEVICE AND METHOD
00: -
A subcutaneous medical device system includes a subcutaneous medical device, a magnetic element arranged on a portion of the subcutaneous medical device, the magnetic element including at least two poles, and a magnetic detector arranged spaced apart from the magnetic element and outside of a patient. The magnetic detector includes a single magnetic sensor and a processor coupled to the single magnetic sensor. The processor is programmed to determine a position of the portion of the subcutaneous medical device within the patient based on a static magnetic flux measurement of the magnetic element by the single magnetic sensor without externally applying an external magnetic field to the magnetic element.

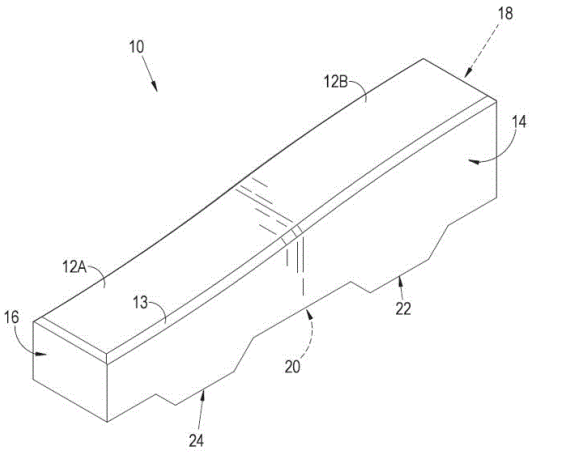


21: 2021/08239. 22: 2021/10/26. 43: 2023/05/30
51: E04C
71: FOURIE, Jacobus Antonie
72: FOURIE, Jacobus Antonie
33: ZA 31: 2020/04750 32: 2020-07-31

54: TRAFFIC CALMING

00: -

A ramp block for constructing an entrance and/or exit ramp for a speedbump comprises an s-curved ramp surface rising from a concavely curved section to a convexly curved section.

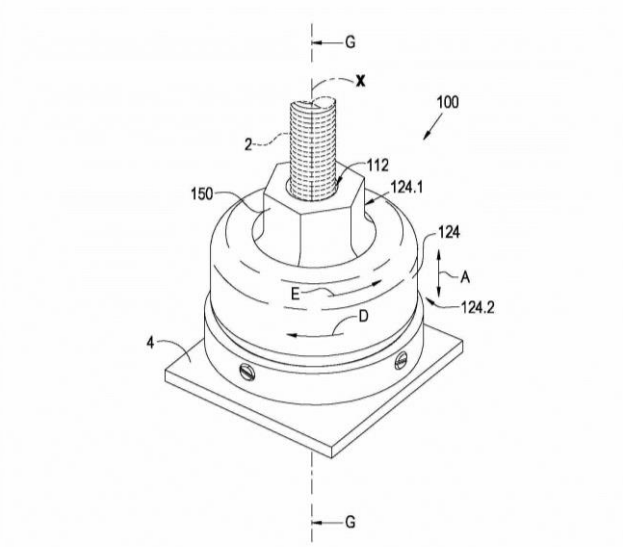


21: 2021/08913. 22: 2021/11/10. 43: 2023/06/09
51: B23P; B25B; E04C; E21D; F16B
71: ADvMet (Pty) Ltd
72: BASSON, Christian Ivan, MISSIO, Lorenzo Andrea
33: ZA 31: 2019/03054 32: 2019-05-16

54: A MECHANICAL TENSIONING DEVICE AND METHOD

00: -

The invention relates to a removable mechanical tensioning device, and a method of stretching a bolt or stud axially, the bolt being located in and attachable to an object via a nut. The device is operatively attachable to the bolt and comprises or is operatively coupled to a nut engaging assembly configured to automatically engage and tighten the nut, at a lower torque than the applied tool torque during loading conditions. In particular, displacement of a part of the tensioner device during loading conditions, causes axial stretch of the elongate member and actuation of the nut engaging assembly in the manner mentioned.



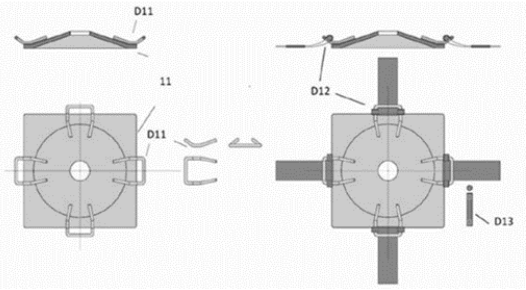
21: 2021/10235. 22: 2021/12/09. 43: 2023/06/02
51: B21F; E01F; E02D; E21D; F16G
71: GARIBALDI S.A.
72: ROJAS UBILLA, José Alberto
33: CL 31: 1602-2019 32: 2019-06-11

54: PANEL SYSTEM FOR ROCKBURST OR LANDSLIDE CONTAINMENT IN MINING TUNNELS AND ROAD WORKS CONSISTING OF A FRAME ATTACHED TO A STRAP MESH WHOSE NODES ARE LINKED BY CONNECTING BUCKLES; AND INSTALLATION PROCEDURE

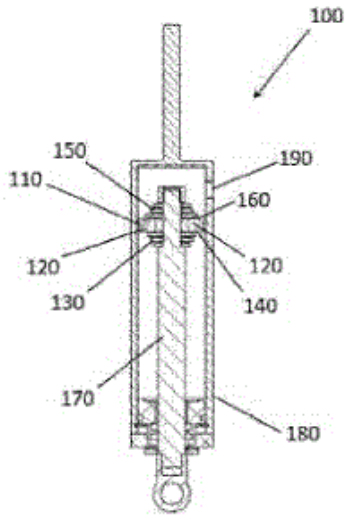
00: -

Panel system to contain landslides due to partial collapse and "rockbursts", used as reinforcement structures in mine tunnels, slopes and roads

together with anchor bolts and slabs, comprising a mesh made of metal straps or other tensile or tear resistant material along the length of the strap (1) (2) (3), where each node of this mesh is firmly attached with a buckle (6) (7) (8) (16) and a frame (20) secured to said mesh, where the frame includes flat tension wires(17) near the panel's perimeter, attached to flat plates with ear flaps (D11) or with flat connectors (12) (13) (14 (15) placed underneath normal plates.



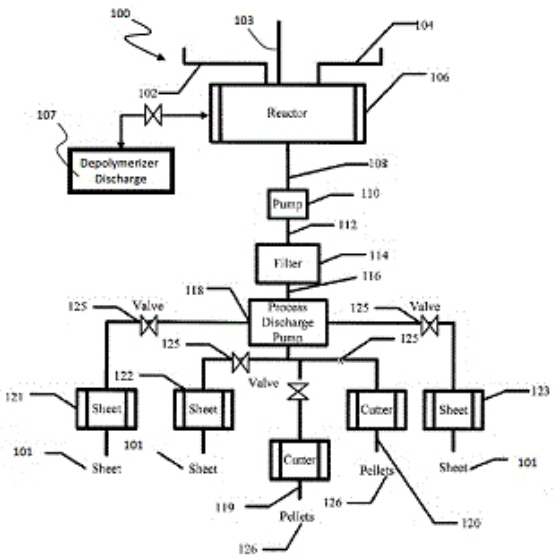
21: 2021/10434. 22: 2021/12/14. 43: 2023/06/15
51: F16F; B60G
71: EVCO PRO 2018 LTD
72: COHEN, EVYATAR
33: IL 31: 266688 32: 2019-05-16
54: AN AUTOMOTIVE HYDRAULIC SHOCK ABSORBER
00: -
An automotive hydraulic shock absorber, comprises a pressure cylinder, an auxiliary reservoir and a piston assembly, wherein said piston assembly comprises an annular piston comprised of a plurality of crossing flow ports on its upper and lower faces, a piston shaft, and shim stacks on both faces of said piston, partially or fully covering said flow ports, suitable to exert a resistance to the flow of hydraulic fluid in said pressure cylinder, when said piston travels through hydraulic fluid.



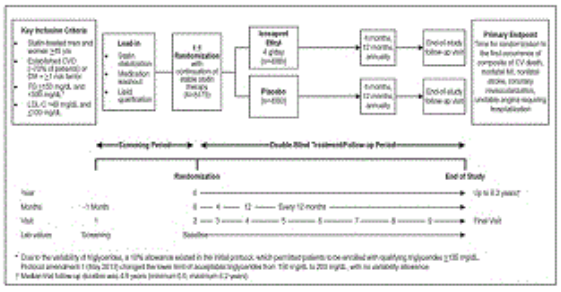
21: 2021/10447. 22: 2021/12/15. 43: 2023/06/22
51: C08F C08L
71: EVONIK OPERATIONS GMBH
72: MAIER, Stefan, Karl, JANßEN, Dieter, ZIEGLER, Fabian, SCHÖLLER, Katrin, HILF, Stefan
33: EP 31: 20215450.6 32: 2020-12-18
54: ACRYLAT-OLEFIN COPOLYMERS AS HIGH VISCOSITY BASE FLUIDS
00: -
The invention relates to acrylate-olefin copolymers and to a method for preparing these polymers. The present invention is also directed to lubricant compositions comprising these copolymers, and to the use of these copolymers as a lubricant additive or a synthetic base fluid in a lubricating oil composition, preferably in a gear oil composition, a transmission oil composition, a hydraulic oil composition, an engine oil composition, a marine oil composition, an industrial lubricating oil composition or in grease.

21: 2021/10582. 22: 2021/12/17. 43: 2023/06/19
51: B29B; C12P
71: OCTAL SAOC FZC, SULTANATE OF OMAN
72: JOSHI, TARUN, SIDDIQUI, MUTEEB, HAARMANN, KLAUS, BRADNAM, JERRY, BROWN, SEAN, RAZEEM, MOHAMMED, BARENBERG, WILLIAM J, BARAKAT, NICHOLAS P
33: US 31: 62/850,168 32: 2019-05-20
33: US 31: 16/808,939 32: 2020-03-04
54: PROCESS FOR RECLAMATION OF POLYESTER BY REACTOR ADDITION
00: -

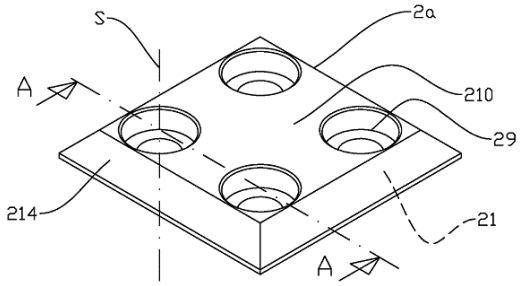
A method for reclaiming polyester can include: providing a feed of recycled polyester 420; providing a feed of polyester precursors 422; depolymerizing the recycled polyester 420 to obtain depolymerized polyester monomers 421; polymerizing the depolymerized polyester monomers 421 with the polyester precursors 422 to form a reclaimed polyester 423; and providing the reclaimed polyester 423 as output 102.



21: 2021/10659. 22: 2021/12/20. 43: 2023/06/22
51: A61K
71: AMARIN PHARMACEUTICALS IRELAND LIMITED
72: SONI, PARESH
33: US 31: 62/758,387 32: 2018-11-09
33: US 31: 62/818,514 32: 2019-03-14
33: US 31: 62/735,670 32: 2018-09-24
33: US 31: 62/813,888 32: 2019-03-05
33: US 31: 62/735,680 32: 2018-09-24
54: METHODS OF REDUCING THE RISK OF CARDIOVASCULAR EVENTS IN A SUBJECT
00: -
In various embodiments, the present disclosure provides methods reducing the risk of cardiovascular events in a subject on statin therapy by administering to the subject a pharmaceutical composition comprising about 1 g to about 4 g of eicosapentaenoic acid ethyl ester or a derivative thereof.



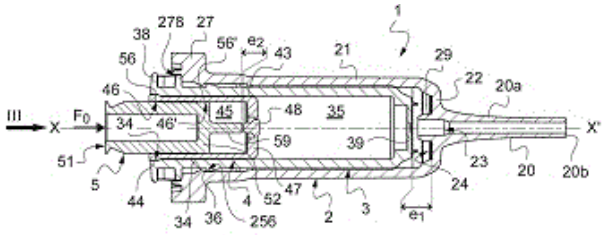
21: 2022/00271. 22: 2022/01/05. 43: 2023/06/01
51: E02F
71: KOMATSU KVX LLC NUF
72: TIME, Eyvind
33: NO 31: 20190714 32: 2019-06-11
54: TORQUE ELEMENT FOR ABSORBING SHEAR FORCES IN A BOLT CONNECTION IN A BUCKET ELEMENT IN A LOADING MACHINE BUCKET
00: -
A torque element (2a, 2b) for absorbing shear forces in a screw connection (9) arranged to attach a bucket element (40, 50) in a bucket portion (1) for a loading- machine bucket, wherein, protruding from a first side (220) of the torque element (2a, 2b), there is an elevation (21) which is arranged for positioning in a corresponding cut-out (41) in the bucket element (40, 50) to engage with the bucket element (40, 50), and is arranged to receive the screw connection (9) along the height axis (S) for the torque element (2a, 2b) to be attached to the bucket element (40, 50). The invention also relates to a system for attaching a bucket element (50) in a bucket portion (1) for a loading-machine bucket (1), the system comprising at least one torque element (2a, 2b) and at least one coupling element (3).



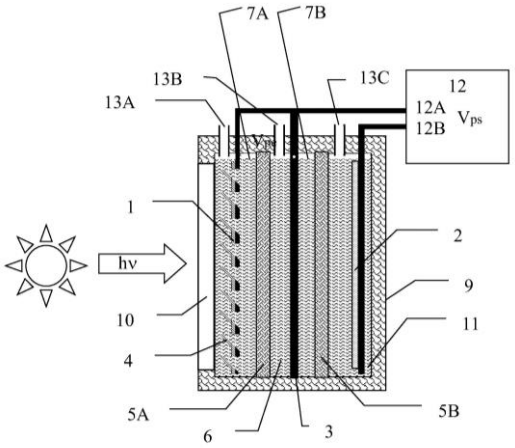
21: 2022/00280. 22: 2022/01/05. 43: 2023/06/07
51: H01M; B01J; C25B
71: HERAEUS DEUTSCHLAND GMBH & CO. KG

72: KEMMER, MARTINA, GEBAUER, CHRISTIAN
33: EP 31: 19185574.1 32: 2019-07-10
54: CATALYST FOR OXYGEN GENERATION REACTION DURING WATER ELECTROLYSIS
00: -
The invention relates to a method for preparing a catalyst composition, wherein - in an aqueous medium containing an iridium compound, at a pH ≥ 9, an iridium-containing solid is deposited on a support material, and - the support material loaded with the iridium-containing solid is separated from the aqueous medium and dried, wherein, in the method, the support material loaded with the iridium-containing solid is not subjected to a thermal treatment at a temperature of more than 250°C for a period of time of longer than 1 hour.

21: 2022/00788. 22: 2022/01/17. 43: 2023/06/20
51: A61C; A61J; A61M
71: SEPTODONT OU SEPTODONT SAS OU SPÉCIALITÉS SEPTODONT
72: MARIE, OLIVIER, RICHARD, GILLES, CO, CLÉMENCE, ARTAUD, LAURENT, CHABRIER, OLIVIER
33: EP 31: 19187180.5 32: 2019-07-19
54: CARTRIDGE FOR DISPENSING A MATERIAL
00: -
This cartridge (1), intended for the dispensing of a material, comprises: - a sleeve (2) having a longitudinal axis (X-X') and comprising a distal wall (22) provided with a dispensing hole (23); - a barrel (3) defining a chamber (35) configured to receive the material, the barrel (3) comprising a proximal open end and a breakable distal wall (39) at its distal end, the barrel (3) being configured to move in the sleeve (2) along the longitudinal axis (X-X') between a first position, in which the distal wall (39) of the barrel (3) is at a distance (e1) from the distal wall (22) of the sleeve (2), and a second position, in which a sealing portion of the distal wall (39) of the barrel (3) is in contact with an inner surface of the distal wall (22) of the sleeve (2); - a piston (4, 5) configured to seal the chamber (35) of the barrel (3), the piston (4, 5) comprising a plate (47) configured to move in sealing engagement in the chamber (35) of the barrel (3); - wherein the sleeve (2) comprises an internal piercing element (29) in the vicinity of the dispensing hole (23), the piercing element (29) being configured to break the distal wall (39) of the barrel (3) upon transition of the barrel (3) from the first position to the second position; and - the sleeve (2) comprises an annular cavity (24) around the piercing element (29), the annular cavity (24) being delimited peripherally by a beveled inner surface complementary to a corresponding beveled outer surface of the barrel (3).



21: 2022/00915. 22: 2022/01/19. 43: 2023/06/07
51: C25B
71: Nanoptek Corporation
72: GUERRA, John M.
33: US 31: 62/922,418 32: 2019-08-08
54: RADIATION-ASSISTED ELECTROLYZER CELL AND PANEL
00: -
A radiation-assisted (typically solar-assisted) electrolyzer cell and panel for high-efficiency hydrogen production comprises a photoelectrode (1) and electrode pair (2, 3), with said photoelectrode (1) comprising either a photoanode electrically coupled to a cathode (2) shared with an anode (3), or a photocathode electrically coupled to an anode shared with a cathode; electrolyte; gas separators; all within a container (9) divided into two chambers (7 A, 7b) by said shared cathode (2) or shared anode, and at least a portion of which (10) is transparent to the electromagnetic radiation required by said photoanode (1) (or photocathode) to apply photovoltage to a shared cathode (2) (or anode) that increases the electrolysis current and hydrogen production.



21: 2022/01235. 22: 2022/01/26. 43: 2023/06/12
51: H04L
71: INNOVATIONSZENTRUM FÜR TELEKOMMUNIKATIONSTECHNIK GMBH IZT
72: HIRSCHBECK, Martin
33: DE 31: 10 2019 209 800.2 32: 2019-07-03
54: RECEIVER FOR RECEIVING A COMBINATION SIGNAL TAKING ACCOUNT OF INTER-SYMBOL INTERFERENCE, METHOD FOR RECEIVING A COMBINATION SIGNAL, AND COMPUTER PROGRAM
00: -

The invention relates to a receiver for receiving a combination signal which has two separate signal components, of which the pulses are shifted relative to one another and/or of which the carrier oscillations exhibit a phase difference, which receiver is designed to obtain a first series of sampling values using a first sampling, the first sampling being adapted to a symbol phase of the first signal component, and to obtain a second series of sampling values using a second sampling, the second sampling being adapted to a symbol phase of the second signal component. The receiver is designed to obtain probabilities of transmit symbols of the first signal component and probabilities of transmit symbols of the second signal component for a plurality of sampling times based on the second series of sampling values and the first series of sampling values. The receiver is designed to determine probabilities for symbols of the second signal component based on sampling values of the first sampling and estimated or calculated probabilities for symbols of the first signal component taking account of an inter-symbol interference between transmit symbols of the second signal component in the sampling values of the first sampling. The receiver is designed to determine probabilities for symbols of the first signal component based on sampling values of the second sampling and estimated or calculated probabilities for symbols of the second signal component taking account of an inter-symbol interference between transmit symbols of the first signal component in the sampling values of the second sampling.

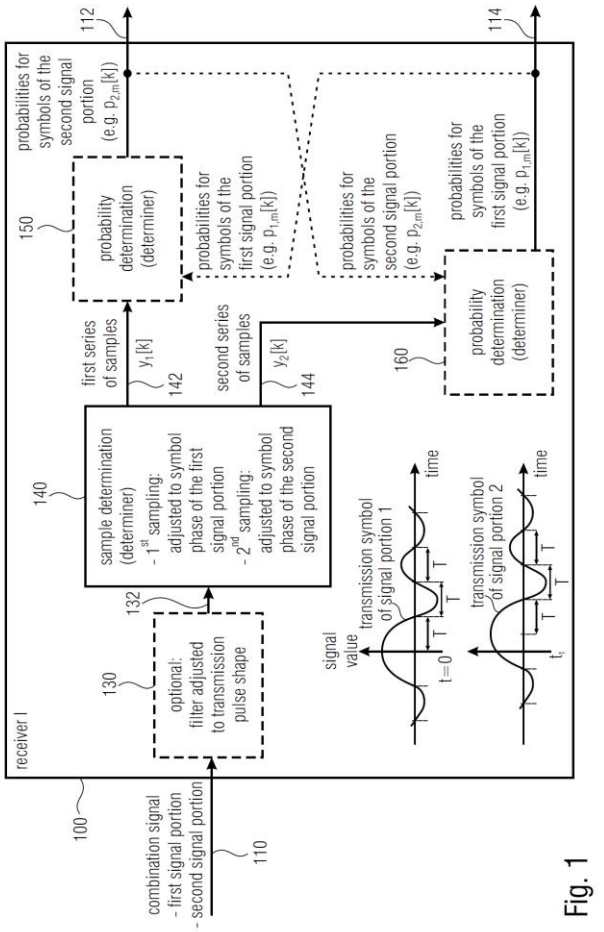


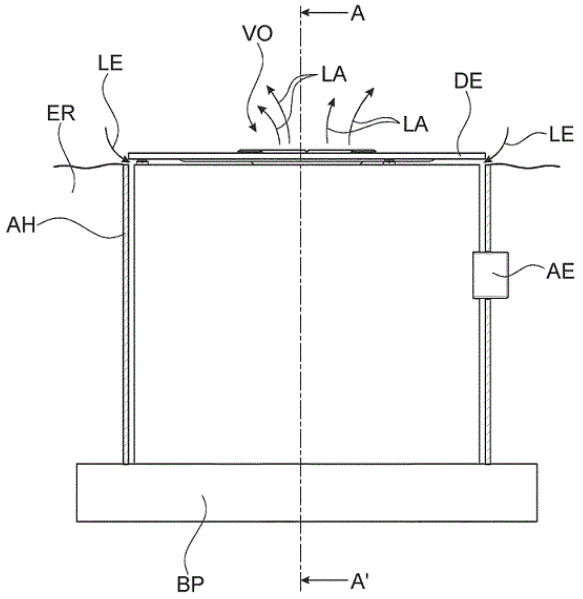
Fig. 1

21: 2022/01247. 22: 2022/01/26. 43: 2023/06/21
51: A61K; A61P; C07K; C12N
71: Ono Pharmaceutical Co., Ltd.
72: SHIBAYAMA, Shiro, SHIMBO, Takuya, TEZUKA, Tomoya, THROSBY, Mark, DE KRUIF, Cornelis Adriaan, VAN LOO, Pieter Fokko, KLOOSTER, Rinse
33: JP 31: 2019-139751 32: 2019-07-30
54: BISPECIFIC ANTIBODY
00: -

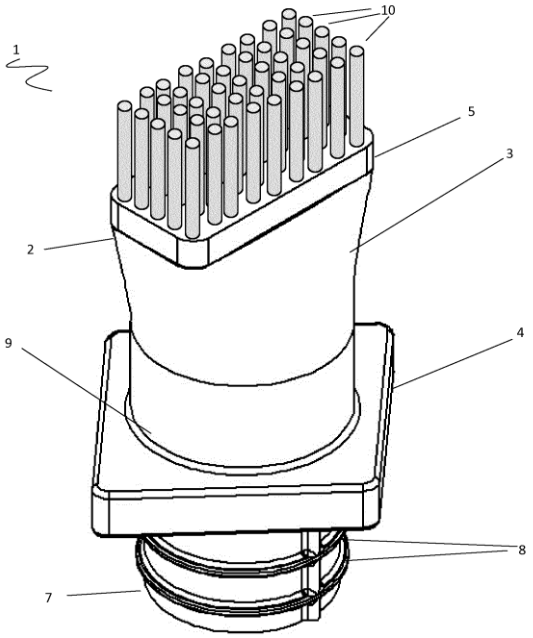
The present invention addresses the problem of providing a novel drug for preventing, inhibiting the progression of, inhibiting the recurrence of, or treating autoimmune diseases and the like. As the result of diligent research, the inventors of the present invention, focusing on PD-1/CD3 bispecific antibodies as substances capable of solving said problem, confirmed that said antibodies can be used in preparations for alleviating the occurrence of adverse reactions known as infusion reactions or cytokine release syndrome. The inventors also confirmed that said bispecific antibodies have the characteristic of permitting interaction between PD-1 and its ligand PD-L1, and discovered that such a characteristic contributes to potentiating or sustaining prevention of, inhibition of the progression of, inhibition of the recurrence of, or therapeutic effects upon autoimmune diseases.

21: 2022/01464. 22: 2022/02/01. 43: 2023/06/07
51: A61K; A61P; C07K; C12N
71: Shanghai Junshi Biosciences Co., Ltd., Suzhou Junmeng Biosciences Co., Ltd.
72: MENG, Qin, YAO, Jian, FENG, Hui, YAO, Sheng, WU, Hai
33: CN 31: 201910634309.9 32: 2019-07-15
54: ANTI-TIGIT ANTIBODIES AND APPLICATION THEREOF
00: -
Provided are antibodies that bind specifically to TIGIT or antigen binding fragments of the antibodies and a composition thereof. Also provided are a nucleic acid molecule coding the antibodies or the antigen binding fragments thereof, an expression vector and a host cell for expressing the antibodies or the antigen binding fragments thereof, and therapeutic and diagnostic uses of the antibodies.

21: 2022/01577. 22: 2022/02/04. 43: 2023/05/31
51: F28D F24T
71: ENVOLA GMBH
72: SCHECHNER, Alexander, SCHWENK, Günther
33: DE 31: 10 2019 118 223.9 32: 2019-07-05
54: DEVICE FOR ENERGY TRANSFER AND FOR ENERGY STORAGE IN A LIQUID RESERVOIR
00: -
A device for energy transfer and for energy storage in a liquid reservoir (FR), wherein the device (VO) has a water heat exchanger (WW) arranged on a bottom (BP) and has an air heat exchanger (LW) arranged above the water heat exchanger (WW), wherein the water heat exchanger (WW) is arranged in a liquid reservoir (FR) that is surrounded by an inner shell (IH) which delimits the device (VO) with respect to an outer shell (AH) covering the inner shell (IH) from the bottom, wherein the outer shell (AH) is at least partially inserted into an earth layer (ER), and the device (VO) is closed upwardly by a lid (DE) in such a way as to make it possible to generate a flow of air from an air inlet (LE) to an air outlet (LA) of the air heat exchanger (LW).



21: 2022/02295. 22: 2022/02/23. 43: 2023/06/02
51: B01D; C02F
71: OXYMEM LIMITED
72: SYRON, Eoin, BYRNE, Wayne, LYNCH, Donal, HEFFERNAN, Barry
33: EP 31: 19193478.5 32: 2019-08-23
54: A COMPRESSION SEAL
00: -
A potting system comprising a potting unit having an integrated compressible seal formed from the same material that the potting unit is composed of.



21: 2022/02570. 22: 2022/03/02. 43: 2023/06/08
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: ZHANG, Congchi, ORSINO, Antonino, LYAZIDI, Yazid, ZHANG, Zhang
33: CN 31: PCT/CN2019/099303 32: 2019-08-05
54: SIDELINK CONFIGURATION
00: -
A wireless device (10) is configured to receive a control message (28) from a source radio network node (14S) of a handover. The control message (28) indicates a sidelink configuration (26) that is usable during and/or after the handover. Alternatively or additionally, the control message (28) indicates a sidelink configuration (26) that is supported by a target radio network node (14T) of the handover. The sidelink configuration (26) is a configuration of a sidelink (16) for the wireless device (10).

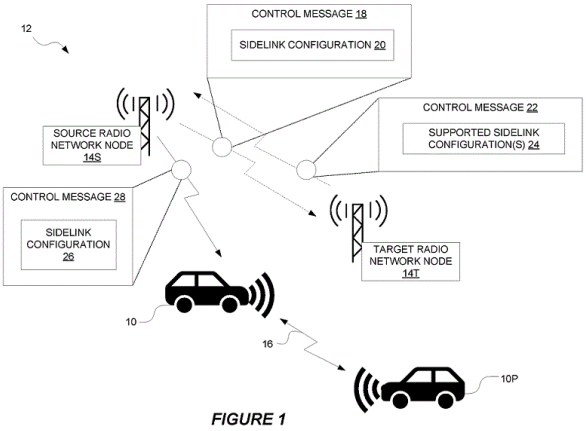
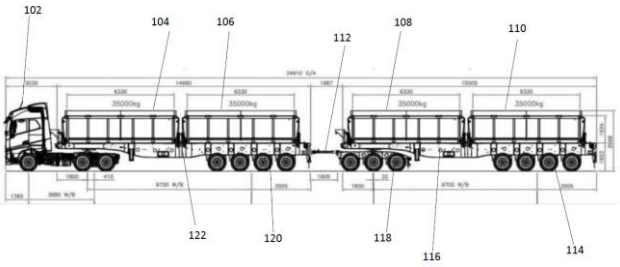


FIGURE 1

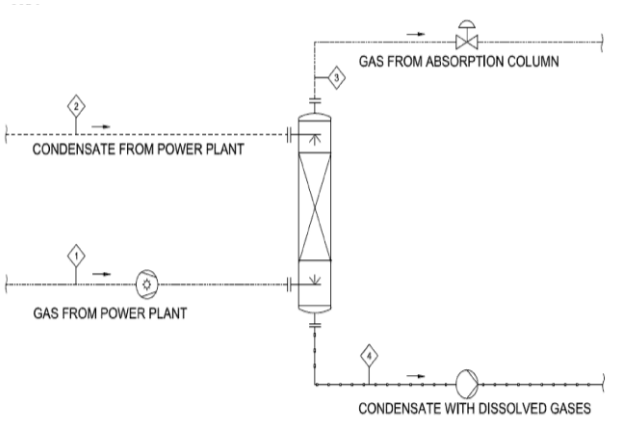
21: 2022/02622. 22: 2022/03/03. 43: 2023/07/21
51: C02F
71: SEOUL VIOSYS CO., LTD.
72: JU, Byeong Cheol, CHOI, Jae Young, JO, Ji Hyun
33: KR 31: 10-2019-0111037 32: 2019-09-06
54: LIGHT EMITTING DEVICE
00: -
A light emitting device comprises: a body which is arranged on the liquid surface that forms the boundary between air and liquid, and which can move up, down, right, or left in accordance with the floating of the liquid surface; and a light source unit, which is mounted on the body so as to emit light at the liquid, thereby processing the liquid.

21: 2022/02825. 22: 2022/03/09. 43: 2022/12/14
51: B66F
71: UNITRANS AFRICA (PTY) LTD
72: UNITRANS AFRICA (PTY) LTD
33: ZA 31: 2021/02719 32: 2021-04-23
54: AN ARRANGEMENT OF ONE OR MORE TIPPER BODIES ON A FRAME OF A VEHICLE
00: -
According to an aspect of the invention, there is provided an arrangement of multiple tipper bodies on a frame of a vehicle, wherein a preferred arrangement includes four tipper bodies arranged in double on two four axle semi-trailers, linked by a three axle dolly. In an embodiment of the invention, said trailers are operable to each carry two tipper bodies, in use. In this embodiment, said tipper bodies are pivotably mounted on the frame of said two semi trailer frames between a non-tipped position and at least one tipped position about a pivot axis, in use. In this embodiment, each of the

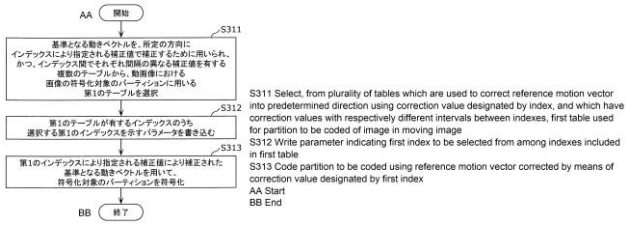
said two semi trailer frames are operable to carry a maximum payload of 70,000 kg by carrying a maximum payload of 35, 000 kg in each tipper body, in use. In an embodiment of the invention, said semi trailer may carry a total payload of 140,000kg.



21: 2022/02870. 22: 2022/03/09. 43: 2023/03/13
51: B01D; E21B
71: CARBFIX
72: SIGFÚSSON, Bergur, ARNARSON, Magnús Þór, GUNNARSSON, Ingvi, GUNNARSSON, Teitur, EINARSSON, Jóhann Garðar
33: EP 31: 19197831.1 32: 2019-09-17
54: A METHOD AND A SYSTEM FOR ABATING H2S AND CO2 FROM H2S AND CO2 RICH GAS MIXTURES SUCH AS GEOTHERMAL NON-CONDENSABLE GAS MIXTURES
00: -
This invention relates to a method and a system for abating hydrogen sulfide (H2S) and carbon dioxide (CO2) from H2S and CO2 rich gas mixtures such as geothermal non- condensable gas mixtures (NCG). The H2S and CO2 gas is separated from the remaining gases contained in the H2S and CO2 rich gas mixtures by pressurizing the gas stream and feeding it into an absorption column where H2S and CO2 are preferentially dissolved in a water stream, resulting in water stream rich in H2S and CO2. The H2S and CO2 rich water stream may then be re-injected into a geological reservoir or used for pH modification of another water stream of geological origin.

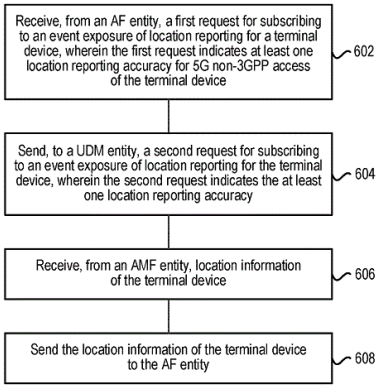


21: 2022/03500. 22: 2022/03/25. 43: 2023/06/05
51: H04N
71: Panasonic Intellectual Property Corporation of America
72: LI, Jing Ya, LIM, Chong Soon, SHASHIDHAR, Sughosh Pavan, LIAO, Ru Ling, SUN, Hai Wei, TEO, Han Boon, ABE, Kiyofumi, TOMA, Tadamasa, NISHI, Takahiro
33: US 31: 62/699,930 32: 2018-07-18
54: ENCODER, DECODER, ENCODING METHOD, AND DECODING METHOD
00: -
A coding device (100) is provided with a circuit (160) and a memory (162) connected to the circuit (160). The circuit (160): selects, from a plurality of tables which are used, during an operation, to correct a reference motion vector into a predetermined direction using a correction value designated by an index, and which have correction values with respectively different intervals between indexes, a first table used for a partition to be coded of an image in a moving image; writes a parameter indicating a first index to be selected from among indexes included in the first table; and codes the partition using the reference motion vector corrected by means of a correction value designated by the first index.

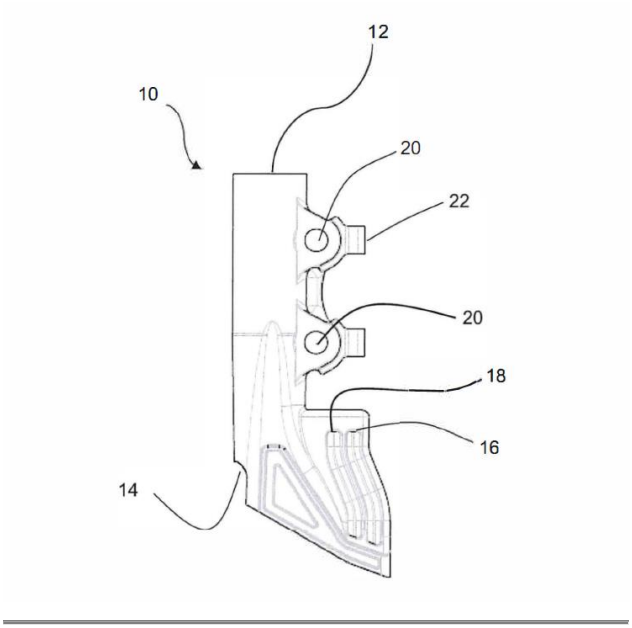


21: 2022/04195. 22: 2022/04/13. 43: 2023/06/22
51: H04W H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: LONG, Hongxia
33: CN 31: PCT/CN2019/107059 32: 2019-09-20
54: METHODS AND APPARATUSES FOR EVENT EXPOSURE OF LOCATION REPORTING FOR A TERMINAL DEVICE
00: -
Methods and apparatuses for event exposure are disclosed. According to an embodiment, a network exposure function (NEF) entity receives, from an application function (AF) entity, a first request for subscribing to an event exposure of location reporting for a terminal device. The first request indicates at least one location reporting accuracy for 5th generation (5G) non-3rd generation partnership project (non-3GPP) access of the terminal device. The NEF entity sends, to a unified data management (UDM) entity, a second request for subscribing to an event exposure of location reporting for the terminal device. The second request indicates the at least one location reporting accuracy. The NEF entity receives, from an access and mobility management function (AMF) entity, location information of the terminal device and sends the location information of the terminal device to the AF entity.



21: 2022/04360. 22: 2022/04/19. 43: 2023/07/19
51: A01C
71: AUSPLOW PTY. LTD.
72: John William RYAN
33: AU 31: AU2021901211 32: 2021-04-23
33: AU 31: AU2021221571 32: 2021-08-25
33: AU 31: AU2022200972 32: 2022-02-14
54: FERTILISER BOOT AND SHIELD
00: -
A fertilizer boot (10) for a plough assembly (27) including a body (11) with an upper solid fertiliser inlet (12) and a lower solid fertiliser outlet (14) and a passageway between the upper solid fertiliser inlet (12) and the lower solid fertiliser outlet (14), wherein the body (11) has a lower body portion (31) that includes the lower solid fertiliser outlet (14), the lower body portion (31) having outwardly facing sidewalls (33) on either side of the lower solid fertiliser outlet (14), and wherein the sidewalls (33) are at least partially coated with a wear-resistant coating for reduction of wear of the sidewall (33) during use of the fertiliser boot (10) with the plough assembly (27).



21: 2022/04486. 22: 2022/04/21. 43: 2023/07/19
51: A01G; B05B; G06Q
71: VALMONT INDUSTRIES, INC.
72: BURGARD, Daniel J., LARUE, Jacob L., MOREIRA, Hiran M.
33: US 31: 62/945,268 32: 2019-12-09
54: SYSTEM, METHOD AND APPARATUS FOR INTEGRATION OF FIELD, CROP AND IRRIGATION EQUIPMENT DATA FOR IRRIGATION MANAGEMENT
00: -
The present invention provides a system, method and apparatus for providing an irrigation scheduling module including a graphical user interface for providing irrigation scheduling data for a given field location. According to a preferred embodiment, the irrigation scheduling module is configured to calculate and display an irrigation recommendation for a given set of forecast data. According to a further preferred embodiment, the irrigation

recommendation includes a representative shape in the form of a circle which changes from a full circle to a crescent-shaped percentage of the full circle based on the field moisture status.

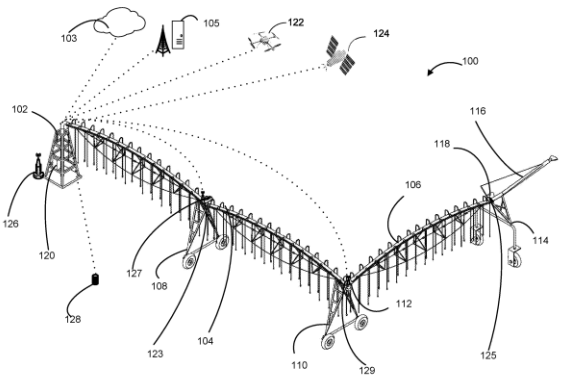
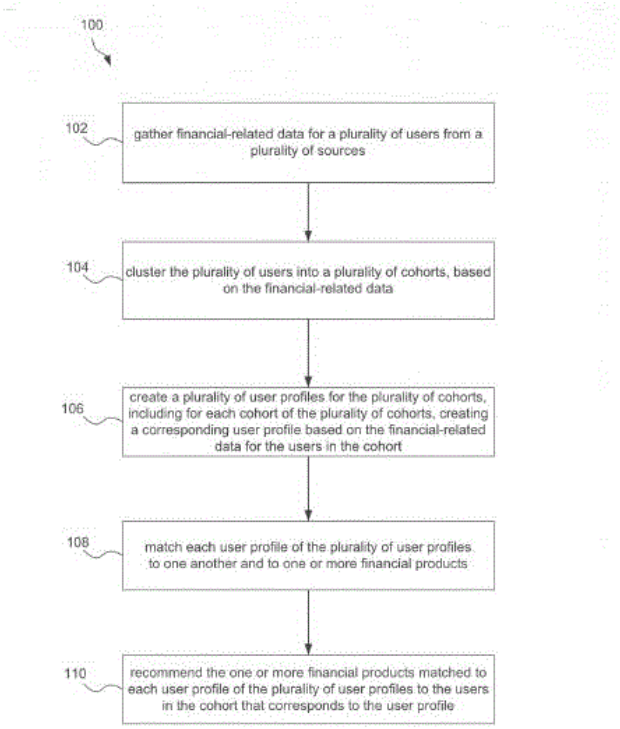


FIG. 1

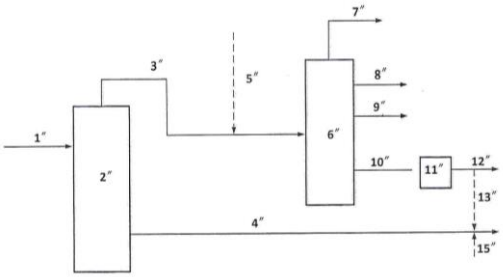
21: 2022/04982. 22: 2022/05/06. 43: 2023/07/19
51: A61K; C07K
71: DR. REDDY'S LABORATORIES LIMITED
72: JAYARAMAN, Murali, PAKHALE, Swapnil Vasudeo, OJHA, Bimlesh, GHOSH, Shrija
33: IN 31: 201941041231 32: 2019-10-11
54: STABLE FORMULATION OF INTEGRIN ANTIBODY
00: -
The present invention discloses a stable pharmaceutical formulation of an a4ß7antibody, wherein the formulation contains buffer, PEG, salt, amino acid and surfactant and wherein the formulation is devoid of sugar and/or sugar alcohols. The disclosed antibody formulations are liquid formulations, and are also suitable to be formulated as a lyophilized powder.

21: 2022/05463. 22: 2022/05/18. 43: 2023/08/07
51: G06Q
71: YODLEE, INC.
72: CHOWDHURY, Amritap, ADIB, ATIF, VARMA, Preethy, SAWANT, Priyanka, MANJUNATH, Vinay
33: US 31: 17,522,733 32: 2021-11-09
54: FINANCIAL-BASED RECOMMENDATION ENGINE
00: -
As described herein, a system, method, and computer program are provided for a financial-based recommendation engine. In use, financial-related data is gathered for a plurality of users from a plurality of sources. Additionally, the plurality of users are clustered into a plurality of cohorts, based on the financial-related data. Further, a plurality of user profiles are created for the plurality of cohorts, including for each cohort of the plurality of cohorts, creating a corresponding user profile based on the financial-related data for the users in the cohort. Still yet, each user profile of the plurality of user profiles is matched to one another and to one or more financial products. Moreover, the one or more financial products matched to each user profile of the plurality of user profiles are recommended to the users in the cohort that corresponds to the user profile.



21: 2022/05659. 22: 2022/05/23. 43: 2023/08/17
51: C07C; C10G
71: CHINA PETROLEUM & CHEMICAL CORPORATION, RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC
72: XU, Youhao, BAI, Xuhui, XIE, Xinyu, CUI, Shouye, WANG, Xin, ZUO, Yanfen
33: CN 31: 201911014995.6 32: 2019-10-24
54: METHOD FOR PRODUCING PROPYLENE AND LOW-SULFUR FUEL OIL COMPONENT
00: -
A method for producing propene and a low-sulfur fuel oil component, comprising: making heavy feedstock oil contact a solvent, performing extraction

and separation to obtain deasphalted oil and deoiled asphalt, and making the deasphalted oil and optional light feedstock oil contact and react with a catalytic conversion catalyst to obtain a propylene-containing reaction product; and separating a catalytically cracked distillate from the reaction product, and enabling hydrodesulfurization of the catalytically cracked distillate to obtain a low-sulfur hydrogenated distillate. The low-sulfur hydrogenated distillate and/or the deoiled asphalt serves as a fuel oil component. According to the method, a saturated hydrocarbon in heavy feedstock oil can be converted into propylene, thereby avoiding using the saturated hydrocarbon as a fuel oil component and achieving good economic and social benefits.

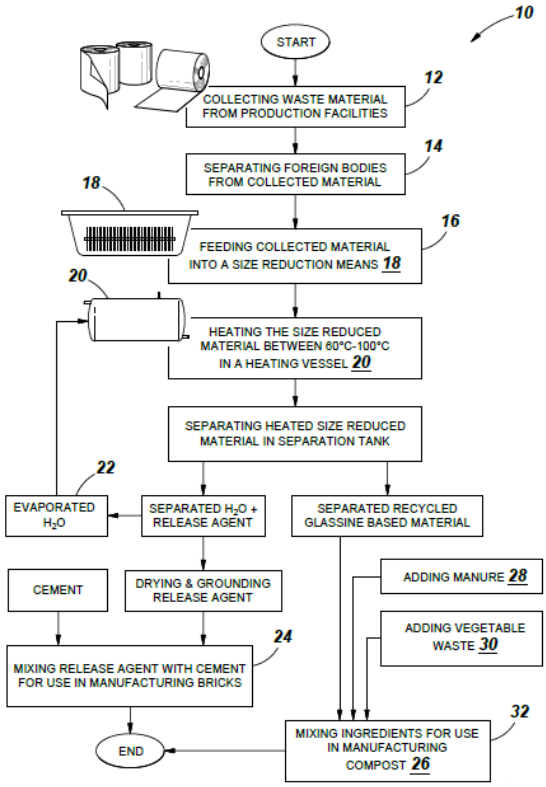


21: 2022/05898. 22: 2022/05/27. 43: 2022/08/18
51: D21H
71: BURGER, MARCELLE, BURGER, SAMUEL JOSEPH DOWNING
72: BURGER, ELRÉTA JOLIZE
33: ZA 31: 2021/02802 32: 2021-04-28

54: A METHOD FOR RECYCLING GLASSINE BASED PAPER

00: -

A method of recycling a waste material, which method includes the steps of collecting said waste material 12 and then preparing the collected material by separating 14 foreign bodies like metals, labels or the like and feeding 16 the collected material to a size reduction means 18 and transferring (not shown) the size reduced material to a heating vessel 20 containing water.



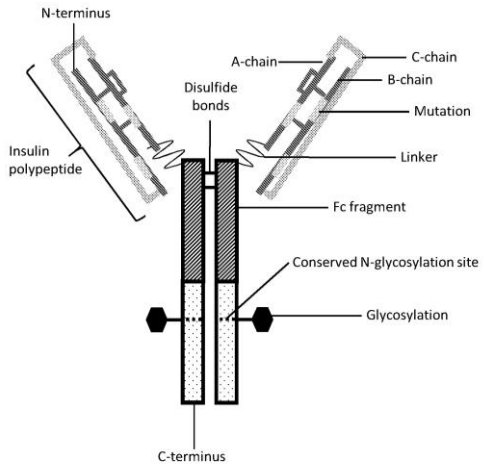
21: 2022/06047. 22: 2022/05/31. 43: 2023/07/19
51: C07K; A61P
71: AKSTON BIOSCIENCES CORPORATION
72: LANCASTER, Thomas, M., ZION, Todd, C.
33: US 31: 62/950,803 32: 2019-12-19
33: US 31: 62/988,441 32: 2020-03-12

54: ULTRA-LONG ACTING INSULIN-FC FUSION PROTEINS AND METHODS OF USE

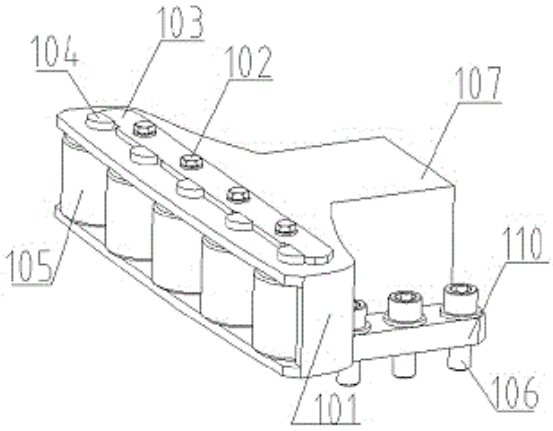
00: -

The present disclosure provides recombinantly manufactured ultra-long acting insulin-Fc fusion proteins for use in treating diabetes. The insulin-Fc fusion proteins comprise an insulin polypeptide linked via a peptide linker to an Fc-fragment of human origin. Based on the results obtained, creating a treatment that is amenable to low cost manufacturing, exhibits sufficient in vivo bio activity, displays extended duration of bioactivity, and does not exhibit immunogenicity requires a non-obvious combination of insulin polypeptide, peptide linkers, and Fc fragment, in addition to selective mutations on one or more of these components. Exemplary ultra-long acting insulin-Fc fusion proteins, polynucleotides encoding these insulin-Fc fusion proteins, and pharmaceutical formulations of

exemplary insulin-Fc fusion proteins are provided, in addition to methods of use and preparation.



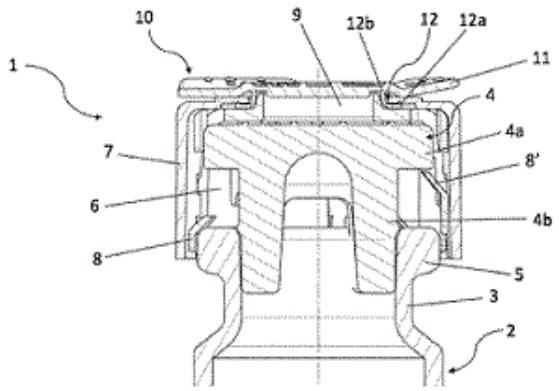
21: 2022/06382. 22: 2022/06/08. 43: 2023/06/12
51: H02K; F03D
71: XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
72: LIU, LIKUN, LI, YANHUI, PENG, LIANG
33: CN 31: 201911154878.X 32: 2019-11-21
54: DEVICE WITH STATOR AND ROTOR, AND WIND GENERATING SET
00: -
Disclosed is a device with a stator and a rotor, the device comprising: a stator (200); a rotor (300), wherein an air gap is provided between the rotor and the stator (200); and an air gap protection device (100) fixedly connected to the stator (200), wherein the radial distance between the air gap protection device (100) and the rotor (300) is smaller than the radial distance between the stator (200) and the rotor (300), and the air gap protection device (100) rotates relative to the rotor (300) when in contact with the rotor (300). By arranging the air gap protection device (100) fixedly connected to the stator (200), the air gap protection device can rotate relative to the rotor (300) when in contact with the rotor (300), and the radial distance between the air gap protection device (100) and the rotor (300) is smaller than the radial distance between the stator (200) and the rotor (300), such that in the process of relative rotation of the stator (200) and the rotor (300), if the radial distance between the rotor (300) and the stator (200) is reduced, it can be ensured that the air gap protection device (100) is in contact with the rotor (300) firstly, instead of allowing the stator (200) to be in contact with the rotor (300), the occurrence of chamber sweeping is prevented, and it is ensured that the device with the stator (200) and the rotor (300) is not damaged.



21: 2022/06662. 22: 2022/06/15. 43: 2023/07/21
51: A01N; A61K; A01P
71: Atlantic Technological University
72: BRENNAN, James Joseph, PATTON, Thomas Patrick, BARRETT, John Reginald
33: GB 31: 1917996.9 32: 2019-12-09
54: ANTIMICROBIAL COMPOSITION
00: -
A composition comprising a hydrogen peroxide source and at least one salicylate. However, the hydrogen peroxide source includes hydrogen peroxide and a means for generating hydrogen peroxide.

21: 2022/07855. 22: 2022/07/14. 43: 2023/06/21
51: B65D
71: A. RAYMOND ET CIE
72: REY, Gaëtan
33: FR 31: FR2000416 32: 2020-01-16
54: LOCKING COVER FOR A CONTAINER HAVING A NECK, WITH A CAP HAVING BREAKABLE SECURING TABS
00: -
The invention relates to a locking cover (1) for a container (2) having a neck (3), comprising: a cage (6) made of plastics material; a body (7) made of plastics material which is secured around the cage (6), the body comprising a central orifice (9); a cap (10) that is configured to close the central orifice (9), the cap (10) comprising a flat head (11) for covering the orifice (9) and securing tabs (12) that are gripped

between the cage (6) and the body (7). Each securing tab (12) has a breakable region (12b), and the cap (10) is made of a plastics material which is different from the plastics material of the cage (6) and from the plastics material of the body (7), the plastics material of the cap being chosen such that its breaking strength is reduced by a dose of irradiation, by gamma rays, for sterilizing the cover (1).

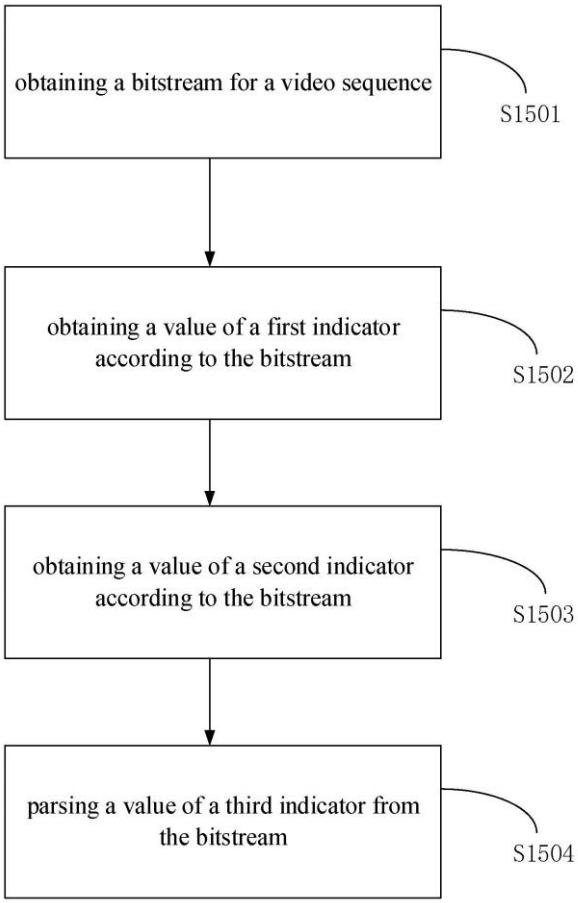


21: 2022/08698. 22: 2022/08/03. 43: 2023/06/07
51: H04N
71: Huawei Technologies Co., Ltd.
72: FILIPPOV, Alexey Konstantinovich, RUFITSKIY, Vasily Alexeevich, ALSHINA, Elena Alexandrovna
33: US 31: 62/961,159 32: 2020-01-14

54: METHOD AND APPARATUS OF SIGNALING THE NUMBER OF CANDIDATES FOR MERGE MODE

00: -

A method of obtaining a maximum number of geometric partitioning merge mode candidates for video decoding and a video decoding apparatus are disclosed, wherein the method comprises: obtaining a bitstream for a video sequence; obtaining a value of a first indicator according to the bitstream, wherein the first indicator represents the maximum number of merging motion vector prediction, MVP, candidates; obtaining a value of a second indicator according to the bitstream, wherein the second indicator represents whether a geometric partition based motion compensation is enabled for the video sequence; and parsing a value of a third indicator from the bitstream, when the value of the first indicator is greater than a threshold and when the value of the second indicator is equal to a preset value, wherein the third indicator represents the maximum number of geometric partitioning merge mode candidates subtracted from the value of the first indicator.



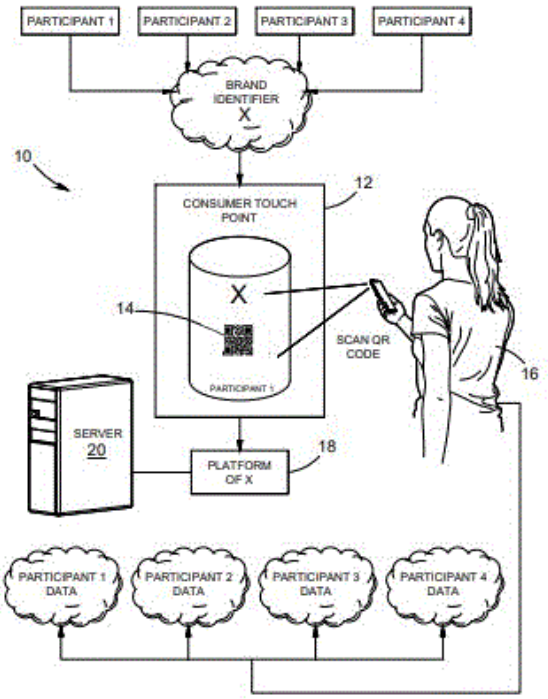
21: 2022/09555. 22: 2022/08/26. 43: 2023/06/21
51: G06Q
71: BECKETT, Matthew Stuart
72: BECKETT, Matthew Stuart

54: SYSTEM AND METHOD FOR THE COLLECTIVE SHARING OF DATA

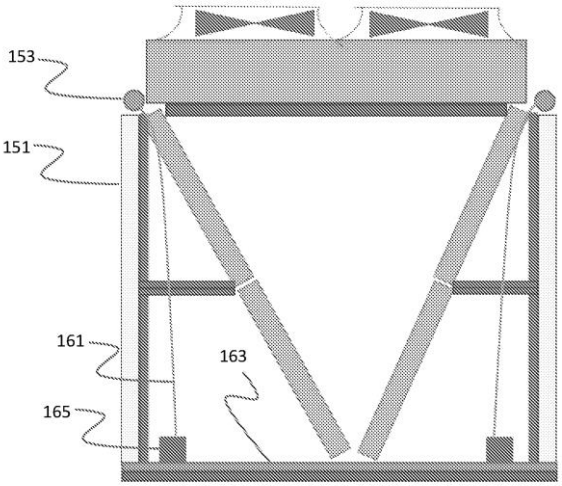
00: -

This invention relates to a system and method for collective sharing of data by limited participants for the purpose of consumer reach through the collective sharing of information to solve the challenge of consumer awareness, while extracting commercial value for participants and to unlock collective customer bases. An independent brand identifier, which represents the participants collectively, provides a consumer touch point established by at least one of the participants. The consumer touch point includes an activation

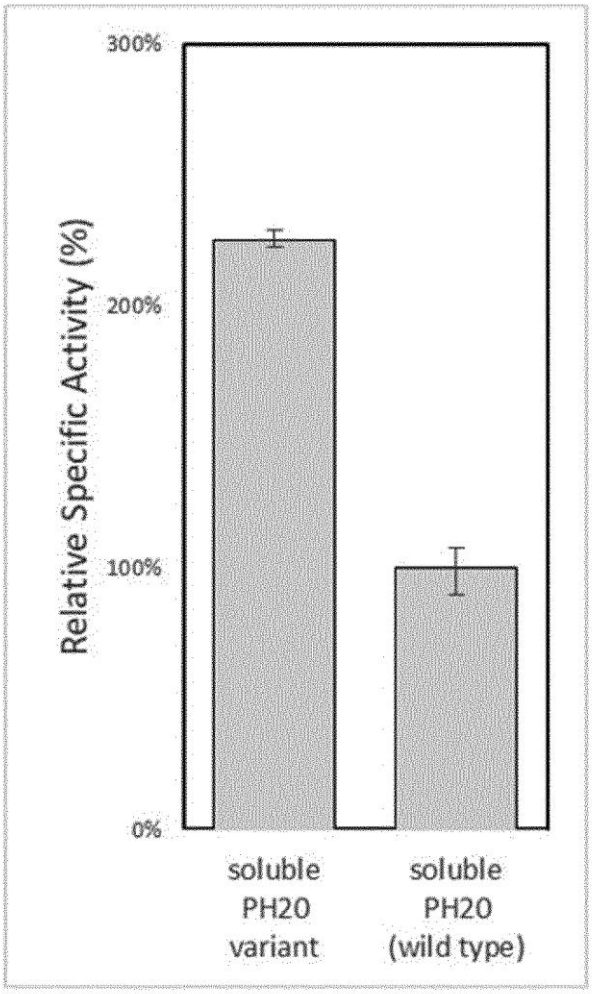
message displayed thereon which is configured to operatively provide access to a digital platform hosted on a server, the platform providing an aggregating function to present data from all participants and providing digital means to operatively allow access to data on the platform and to harvest consumer data across the system.



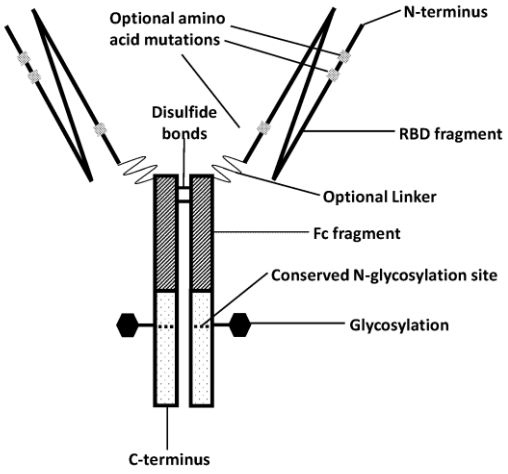
21: 2022/10349. 22: 2022/09/19. 43: 2023/07/21
51: F28B; F28C; F28D
71: EVAPCO, INC.
72: BYRNE, Tom
33: US 31: 62/978,667 32: 2020-02-19
33: US 31: 17/180,205 32: 2021-02-19
54: DOUBLE STACK "V" HEAT EXCHANGER
00: -
A modular double V stacked dry or adiabatic heat exchanger having a bottom module with two heat exchangers arranged in a V-shape, a top module configured to rest atop and be supported by the bottom module and having two heat exchangers configured to continue and extend the V-shape formed by the two bottom heat exchangers, and a fan module configured to rest atop and be supported by the top module. The modules are factory assembled and configured to for easy shipping and connection to one-another on-site. Adiabatic pads or spray nozzles may be provided to pre-cool the air entering the system.



21: 2022/10840. 22: 2022/09/30. 43: 2023/06/06
51: C12N
71: ALTEOGEN, INC
72: PARK, Soon Jae, KIM, Kyuwan, YUN, Sang Hoon, CHO, Jeong Soo, PARK, Kibum, BYUN, Minsoo, SONG, Hyung Nam, KIM, Ji-Sun, NAM, Ki Seok
33: KR 31: 10-2020-0099100 32: 2020-08-07
54: METHOD FOR PRODUCING RECOMBINANT HYALURONIDASE
00: -
The present invention relates to a method for producing a hyaluronidase or a variant thereof. Specifically, culturing conditions, such as adjusting the glucose concentration in a culture medium and culturing for a particular number of days at a reduced culture temperature, are applied to change the content in N-glycan of the protein, thus increasing specific activity by at least 10%, and thereby improving quality and production yield.

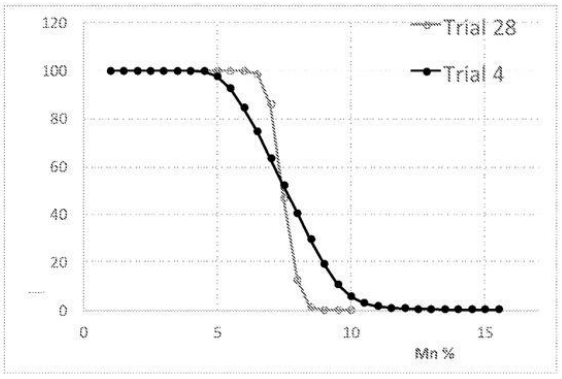


21: 2022/10992. 22: 2022/10/06. 43: 2023/07/19
51: A61K; C07K; A61P
71: AKSTON BIOSCIENCES CORPORATION
72: ZION, Todd C., LANCASTER, Thomas M., SATHIYASEELAN, Thillainayagam, HUANG, Kexin
33: US 31: 63/008,497 32: 2020-04-10
33: US 31: 63/008,503 32: 2020-04-10
33: US 31: 63/008,509 32: 2020-04-10
33: US 31: 63/008,515 32: 2020-06-19
33: US 31: 63/041,574 32: 2020-06-19
33: US 31: 63/041,579 32: 2020-06-19
33: US 31: 63/041,582 32: 2020-06-19
33: US 31: 63/041,584 32: 2020-06-19
33: US 31: 63/048,939 32: 2020-07-07
33: US 31: 63/068,775 32: 2020-08-21
33: US 31: 63/068,805 32: 2020-08-21
33: US 31: 63/068,843 32: 2020-08-21
33: US 31: 63/068,894 32: 2020-08-21
33: US 31: 63/068,911 32: 2020-08-21
54: ANTIGEN SPECIFIC IMMUNOTHERAPY FOR COVID-19 FUSION PROTEINS AND METHODS OF USE
00: -
The present disclosure provides recombinantly manufactured fusion proteins comprising a SARS-CoV-2 Receptor Binding Domain (SARS-CoV-2-RBD) fragment or an analog thereof linked to a human Fc fragment for use in relation to the 2019 Novel Coronavirus (CQVID-19). Embodiments include the administration of the fusion proteins to patients that have recovered from COVID-19 as a booster vaccination, to antibody naive patients to produce antibodies to the S ARS-CoV-2 virus to enable the patients to become convalescent plasma donors, to patients who have been infected by the SARS-CoV-2 virus and have contracted COVID-19 in order to limit the scope of the infection and ameliorate the disease, and as a prophylactic COVID-19 vaccine. Exemplary Fc fusion proteins and pharmaceutical formulations of exemplary Fc fusion proteins are provided, in addition to methods of use and preparation.



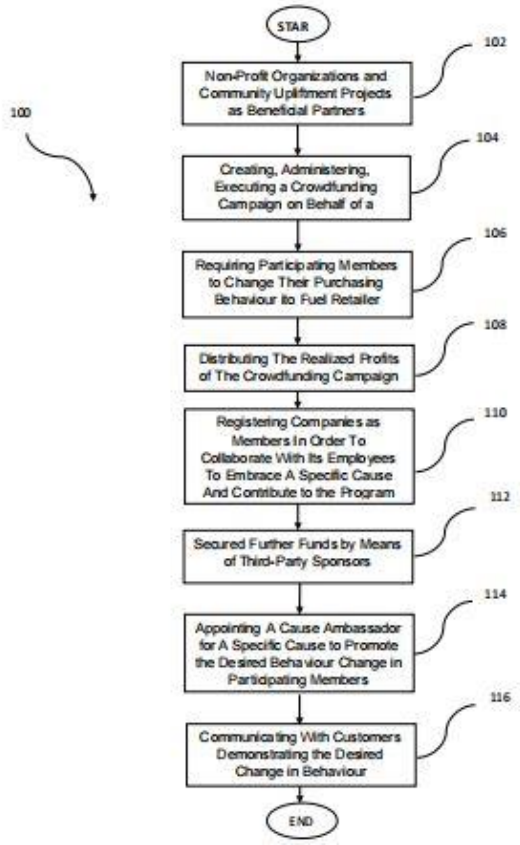
21: 2022/11065. 22: 2022/10/10. 43: 2023/08/04
51: C21D; C22C
71: ARCELORMITTAL
72: Astrid PERLADE, Kangying ZHU, Coralie JUNG, Michael STOLTZ
33: IB 31: PCT/IB2020/057004 32: 2020-07-24
54: COLD ROLLED ANNEALED STEEL SHEET OR HOT PRESSED ANNEALED STEEL PART
00: -
The invention deals with a cold rolled, annealed and tempered steel sheet, made of a steel having a composition comprising, by weight percent: C: 0.03 - 0.18 % Mn: 6.0 – 11.0 % Al: < 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 0% to 30% of ferrite, such ferrite having a grain size below 1.0 µm, - from 3% to 30% of retained austenite, - from 40 to 95% of tempered 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]A² x [Mn]A) / (C%² x Mn%) is below 7.80, C% and Mn% being the nominal values in carbon and manganese in weight %.



21: 2022/11067. 22: 2022/10/10. 43: 2023/08/11
51: C21D; C22C
71: ARCELORMITTAL
72: Astrid PERLADE, Kangying ZHU, Blandine REMY, Frédéric KEGEL
33: IB 31: PCT/IB2020/057009 32: 2020-07-24
54: HOT ROLLED AND HEAT-TREATED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME
00: -
The invention deals with a hot rolled and heat-treated steel sheet, made of a steel having a composition comprising, by weight percent: C: 0.03 - 0.18 % Mn: 6.0 – 11.0 % 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: Al < 3% 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 10% to 60% of retained austenite, - from 40% to 90% of ferrite, - less than 5% of martensite, - carbides below 0.8%, - and an inhomogeneous repartition of manganese, characterized by a manganese distribution with a slope above or equal to -40.

21: 2022/11199. 22: 2022/10/13. 43: 2023/08/15
51: G06Q
71: BARADIEN, MOGAMAT SALIE
72: BARADIEN, MOGAMAT SALIE
54: A METHOD FOR IMPLEMENTING A CUSTOMER LOYALTY PROGRAM
00: -
According to the invention, there is provided a method for implementing a customer loyalty program, said method includes one or more of the following steps: registering one or more non-profit organizations and/or community upliftment projects as beneficial partner(s) of a fuel retailer; participating members creating, administering, and/or executing a crowdfunding campaign on behalf of the beneficial partner(s); requiring participating members to exclusively support the services and/or products of the relevant fuel retailer to enable a benefit to be allocated to the beneficial partner(s); and distributing the realized profits of the crowdfunding campaign to the beneficial partner(s), where the indicated purchasing requirements have been met. In an embodiment of the invention, the participating members are crowdfunding participants who join the customer loyalty program of the fuel retailer and register themselves as supporting a specific non-profit organization and/or community upliftment project associated with the indicated fuel retailer

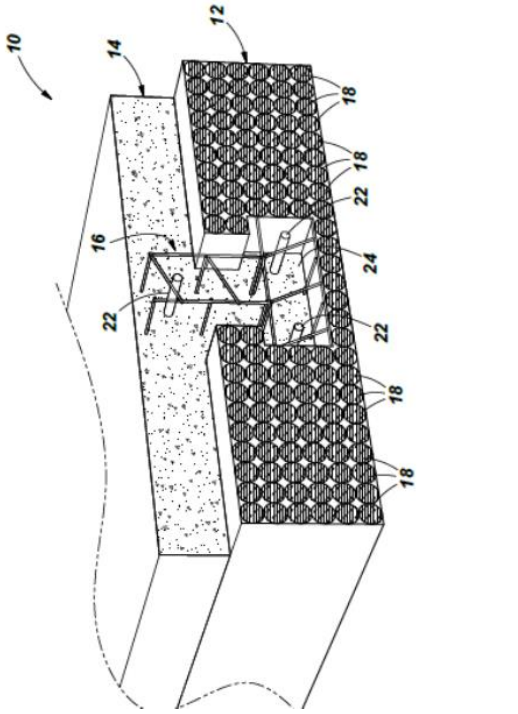


21: 2022/11270. 22: 2022/10/12. 43: 2023/07/18
51: C04B
71: OHM ASSET HOLDINGS (PTY) LTD
72: KAPLAN, Morris, BOTHMA, Riaan Cornelius
33: ZA 31: 2021/04833 32: 2022-07-12

54: A COMPOSITE BUILDING SLAB

00: -

The invention relates to a composite building slab which includes a first layer, a second cementitious layer overlaying the first layer, a frame structure defining a substantial inverted T-shape in cross section for structural interconnecting the first and second layer, wherein the frame structure is seated with a bottom portion thereof in the first layer, and, an upper portion thereof extending into the second layer with composite of the second layer extending into the frame structure for fixing it in place, the first layer further overlaying at least a portion of the inverted T-shaped frame structure.



21: 2022/11625. 22: 2022/10/25. 43: 2022/11/29
51: G06F
71: Securkart LLC
72: TAN, Alan
33: TZ 31: 16/833,396 32: 2020-03-27

54: MOBILE SECURE NETWORK SYSTEM AND DEVICE

00: -

A mobile security system and device that provides a physically secured network device to extends a home network anywhere in the world where there is access to power is disclosed. The mobile security system and device has integrated logical and physical security and may be transported into an area with no internet connection and be self-sufficient and secured. The mobile security system and device includes a housing enclosing a computing apparatus, an access control mechanism to secure a door of the housing in a closed position, and a security control module to protect the data stored on the computing apparatus and provide authentication to access the enclosure. A back-up power supply supported by the housing and a wireless router to provide wireless network access to the remote home network may also be provided.

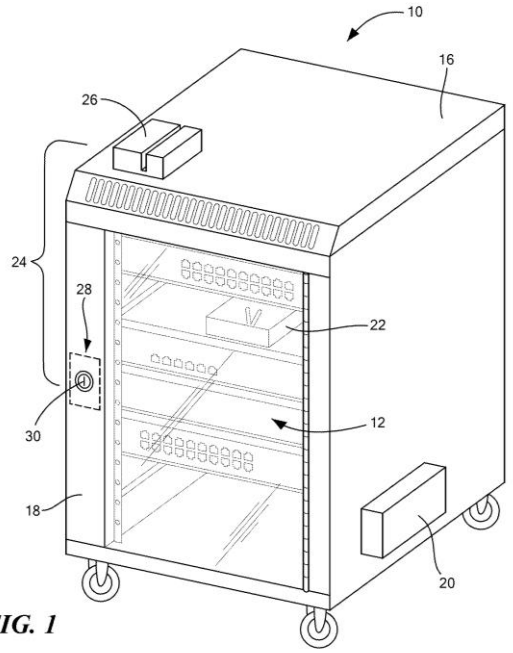


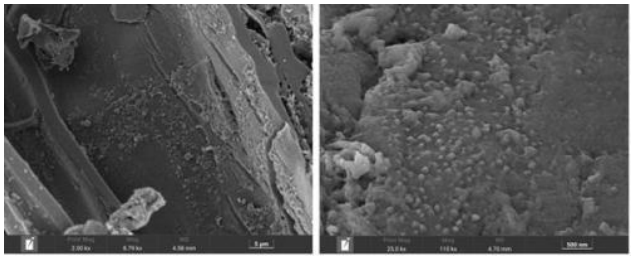
FIG. 1

21: 2022/12002. 22: 2022/11/03. 43: 2023/07/18
51: C02F
71: BGRIMM TECHNOLOGY GROUP
72: SHAO, Linan, YANG, Xiaosong, LI, Yonghui
33: CN 31: 202210611135.6 32: 2022-06-01

54: SELECTIVE ADSORPTION MATERIAL FOR TREATING WASTE WATER CONTAINING THALLIUM AND MERCURY, PREPARATION METHOD THEREOF AND METHOD FOR TREATING WASTE WATER CONTAINING THALLIUM AND MERCURY THEREWITH

00: -

The present application provides a selective adsorption material for treating waste water containing thallium and mercury, a preparation method thereof and a method for treating the waste water containing thallium and mercury therewith. The preparation method of the selective adsorption material for treating the waste water containing thallium and mercury comprises: mixing activated carbon and nitric acid, performing heating treatment, cooling and washing with water to be neutral and then performing first drying to obtain modified activated carbon; mixing manganese salt, ethanol, tetraethylene pentamine and trithiocyanuric acid trisodium salt to obtain load solution; mixing the modified activated carbon, the load solution, ammonia water and 4-(N-maleimide methyl) cyclohexane-1-carboxylic sulfonic succinimide ester sodium salt, and performing a heating reaction to obtain a primary adsorption material; and washing the primary adsorption material, and performing second drying to obtain the selective adsorption material for treating the waste water containing thallium and mercury.

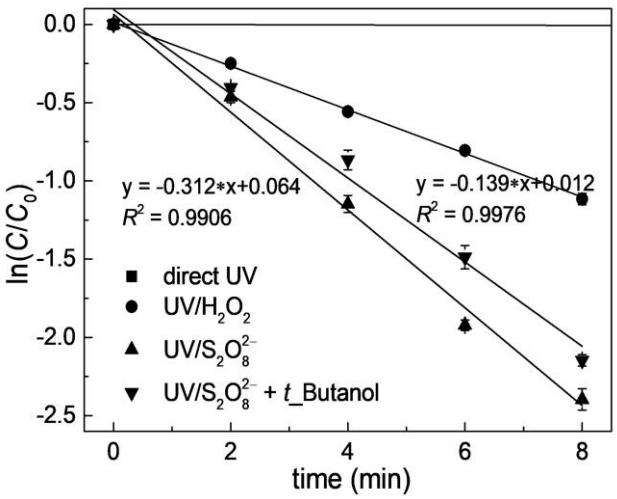


21: 2022/12058. 22: 2022/11/04. 43: 2023/07/18
51: C02F
71: HUNAN FIRST NORMAL UNIVERSITY
72: LUO, Yiting, SU, Rongkui, WANG, Zhaohui, MA, Hui, XIAO, Chenjie

54: A METHOD FOR REMOVING DRUGS AND PERSONAL CARE PRODUCTS FROM WATER BODY BY ULTRAVIOLET ACTIVATED PERSULFATE

00: -

The invention offers a method for removing residual drugs and personal care products in water body by ultraviolet activated persulfate, which belongs to the technical field of water pollution control. The invention provides a method for deep purification of a water body by activating persulfate to generate sulfate radical, in order to solve the problem that existing water treatment technology is difficult to effectively remove residual drugs and personal care products in water body. The method is to adjust the pH value of the aqueous solution containing drugs and personal care products to be around 7.0, then add persulfate and stir it evenly, then insert an internal ultraviolet lamp, and activate persulfate to generate sulfate free radicals through the ultraviolet lamp to achieve the deep purification and rapid degradation of drugs and personal care products.



21: 2022/12072. 22: 2022/11/04. 43: 2023/07/19
51: A61K; A61Q
71: DANIEL BYRNE
72: BYRNE, Daniel
54: PERSONAL CLEANSING COMPOSITION
00: -
The present invention describes a personal cleansing composition for improved penetration of physiologically active ingredients which would otherwise not be able to remain on the skin for sufficient durations during a bath or shower experience comprising physiologically active amounts of carnosine, salicylic acid and azone oil, wherein the personal cleansing composition is in the form of a gel, soap, or water-soluble delivery agent.

21: 2022/12439. 22: 2022/11/15. 43: 2023/07/19
51: B60C
71: Ettienne Antonius GOUTIER
72: GOUTIER, Ettienne Antonius
33: ZA 31: 2020/03337 32: 2020-06-04
33: ZA 31: 2020/07332 32: 2020-11-25
54: PNEUMATIC PRESSURE CONTROLLER
00: -
A pneumatic pressure controller (10, 100, 200, 300) includes a body (12, 112, 212, 312), an inflation plunger (28, 128, 228), a vent (42, 142, 242, 342) and a deflation diaphragm (48A, 148A, 248A, 348) or piston (48, 148). The body (12, 112, 212, 312) defines an input chamber (20, 120, 220, 361) and an output chamber (24, 124, 224, 331) for connection of a pneumatic pressure source and pneumatic container respectively. The plunger (28, 128, 228) is biased towards a closed condition wherein it inhibits fluid flow from the input chamber (20, 120, 220, 361) to the output chamber (24, 124, 224, 331) and is movable against the bias (30, 130, 230) to allow such fluid flow for inflation of the pneumatic container. The diaphragm (48A, 148 A, 248A, 348) or piston (48, 148) is variably biased towards a closed condition wherein it closes the vent (42, 142, 242, 342). The diaphragm (48A, 148 A, 248A, 348) or piston (48, 148) is configured to move away from the vent (42, 142, 242, 342) to an open condition under the influence of fluid pressure in the output chamber (24, 124, 224, 331) when the inflation plunger (28, 128, 228) is in the closed condition and the variable bias (30, 130, 230) is sufficiently reduced, enabling fluid from the pneumatic container to egress to the atmosphere via the vent (42, 142, 242, 342).

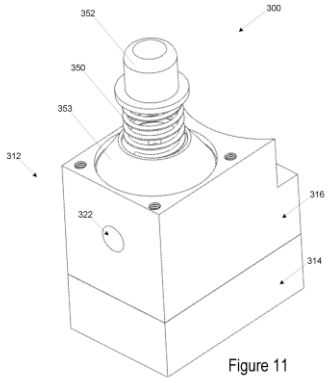
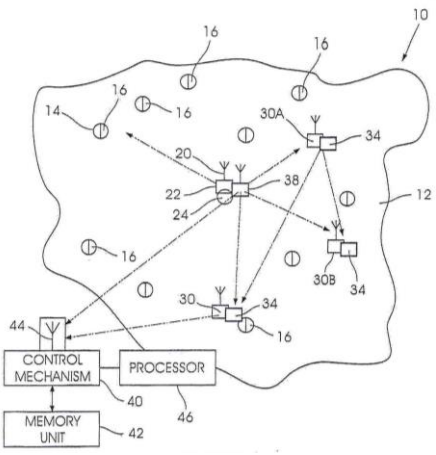


Figure 11

21: 2022/12553. 22: 2022/11/17. 43: 2023/06/21
51: F42D
71: DETNET SOUTH AFRICA (PTY) LTD
72: SCHLENTER, Craig, YATES, Marinus
33: NA 31: NA/P/2020/0012 32: 2020-04-29
54: DETONATOR POSITION DETERMINATION
00: -
In a blasting system a method of determining which borehole in a plurality of boreholes at a blast site is closest to a tagger, wherein latitude and longitude coordinate values for each borehole are determined and by using subsets of the longitude coordinates and latitude coordinates, and by performing a haversine calculation the position of the borehole which is closest to the tagger is determined.



21: 2022/12723. 22: 2022/11/22. 43: 2023/07/31
51: A61F
71: PFNONWOVENS LLC
72: Karthik RAMARATNAM, John, C. PARSONS, David, John PUNG, Anna, Elizabeth MACURA, Eric, Bryan BOND
33: US 31: 63/037,122 32: 2020-06-10
54: SPUNBOND RECYCLED POLYPROPYLENE NONWOVEN AND METHOD OF MAKING THE SAME
00: -
A process for making a spunmelt nonwoven web including the steps of providing a mixture of recycled polypropylene, extruding the recycled polypropylene mixture to form a molten recycled polypropylene mixture, filtering the molten recycled polypropylene mixture through a filter to form recycled polypropylene filtrate, dosing the recycled polypropylene filtrate into the spunmelt production line by an amount of 80% to 100% by weight, passing the recycled polypropylene filtrate through at least one spinneret of the spunmelt production line to form filaments at a spinning speed of greater than 1200 meters per minute, cooling and drawing the filaments, and depositing the filaments on a moving belt to form at least one layer of the spunmelt nonwoven web made up of 80% by 100% by weight of recycled polypropylene fibers.

21: 2022/12803. 22: 2022/11/24. 43: 2023/06/12
51: B65G
71: FLSmidth A/S
72: ESSER, Philipp, WEI, Sophie Ruoshan, KREX, Martin, HANDL, David
33: DE 31: 10 2020 206 497.0 32: 2020-05-25
54: METHOD FOR THE MACHINE-BASED DETERMINATION OF THE FUNCTIONAL STATE OF SUPPORT ROLLERS OF A BELT CONVEYOR SYSTEM, COMPUTER PROGRAM AND MACHINE-READABLE DATA CARRIER
00: -
The present invention relates to a method for the machine-based determination of the functional state of support rollers (13) of a belt conveyor system (1) during the operation of the belt conveyor system, wherein at least one unmanned vehicle (2) having at least one imaging sensor system is provided, by means of which sensor system at least parts of the belt conveyor system can be sensed in the form of image data, and wherein image data of at least one subregion of the belt conveyor system are captured as thermal image data. In the captured image data of the belt conveyor system, at least one identification image region position, in which at least one subregion of a support roller (13) is pictured, is automatically determined. For each determined identification image region position from the image data, an analysis image region position is automatically defined in the thermal image data. In each defined analysis image region position, thermal image data are automatically analyzed and the functional state of support rollers (13) is determined.

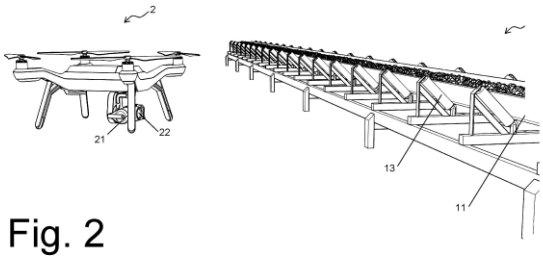
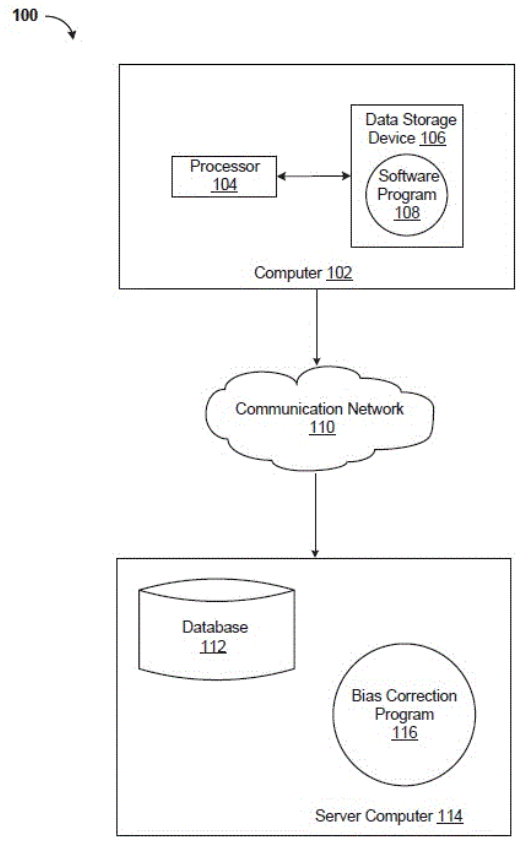


Fig. 2

21: 2022/12902. 22: 2022/11/28. 43: 2023/05/30
51: G01W; G06K; G06N
71: International Business Machines Corporation
72: VOS, Etienne Eben, MAKHANYA, Sibusisiwe Audrey, PATEL, Zubeida, MATHONSI, Thabang
33: US 31: 17/653,744 32: 2022-03-07
54: WEATHER/CLIMATE MODEL FORECAST BIAS EXPLAINABILITY
00: -
A method, computer program, and computer system are provided for identifying bias in weather models. Data corresponding to one or more forecasts

associated with a weather model is received. One or more forecast errors in the received data are identified. A forecast bias is determined from among the one or more forecast errors based on determining a presence of consistent errors in a plurality of regions associated with the received data over a period of time. The weather model is updated based on minimizing the determined forecast bias.



21: 2022/12955. 22: 2022/11/29. 43: 2023/06/01
51: F24S
71: COX, Matthew Roger, JONES, Tessa Marie
72: COX, Matthew Roger
33: ZA 31: 2021/10179 32: 2021-12-09
54: SOLAR COOKER
00: -
A solar cooker is provided comprising a base frame arrangement; a plurality of parabolic dishes extending upwardly from the base frame arrangement, the parabolic dishes being arranged in a substantially side-by-side configuration and having a reflective surface; and a receptacle spaced apart from, and at an elevated height relative to, the parabolic dishes, the receptacle being adapted to accommodate a cooking dish. The parabolic dishes are arranged so that their reflective surfaces can direct and concentrate sunlight towards the receptacle, thereby cooking food products within the cooking dish. In an embodiment, the base frame arrangement comprises an elongate central beam, the ends of which are fitted with first and second parabolic dishes, respectively, with first and second side beams extending, at an angle, from opposite ends of the central beam, the first and second side beams being fitted with a third parabolic dish and a fourth parabolic dish, respectively.

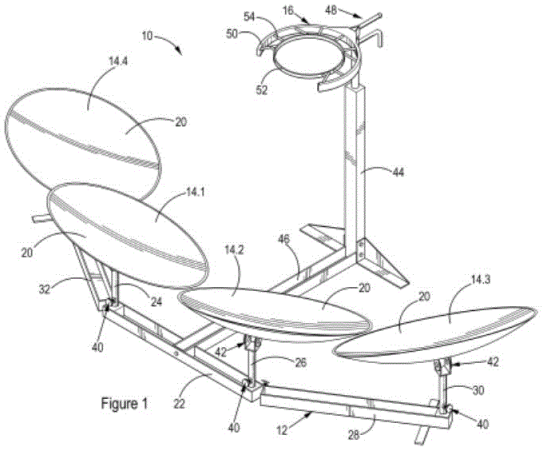
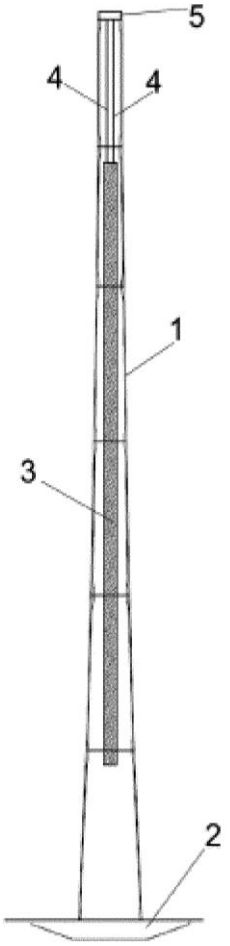


Figure 1

21: 2022/12969. 22: 2022/11/29. 43: 2023/06/01
51: A61K; A61P; C07H; C12P
71: Serum Institute of India Private Limited
72: DHERE, Rajeev Mhalasakant, JANA, Swapan Kumar, GAIKWAD, Walmik Karbhari
33: IN 31: 202021020339 32: 2020-05-14
54: METHODS FOR SIMULTANEOUS FRAGMENTATION AND PURIFICATION OF BACTERIAL POLYSACCHARIDES
00: -
The present disclosure relates to alternative, cost effective, rapid and simple methods for bacterial capsular polysaccharide (CPS) manufacturing resulting in 1) simultaneous sizing and purification of CPS 2) high CPS yield, 3) improved CPS purity and removal of protein and nucleic acid contaminants, 4) CPS with preserved epitopic conformation and 5) stable and immunogenic polysaccharide-protein conjugate vaccines comprising of said size reduced and purified CPS The method particularly comprises subjecting crude/ native bacterial polysaccharide to an oxidizing agent to obtain high purity, high yield and structurally intact CPS having optimal molecular

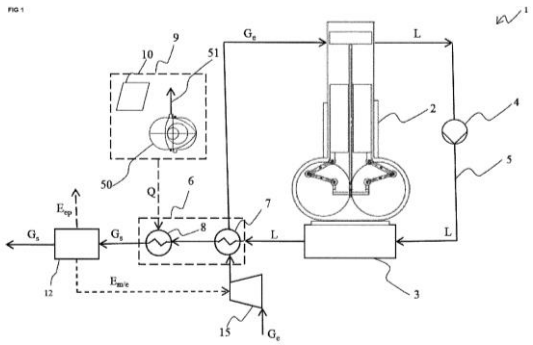
size and other desirable CPS attributes. The method is amenable for commercial scale manufacturing of polysaccharide-protein conjugate vaccines.

21: 2022/13018. 22: 2022/11/30. 43: 2023/07/24
51: F03D
71: DREIVENTUM S.L.U.
72: JIMENO ALONSO, Jorge, ESTAÚN IBAÑEZ, Miguel
33: ES 31: ES202030987U 32: 2020-05-20
54: WIND TURBINE TOWER
00: -
The invention relates to a wind turbine tower, which can be obtained from a metal or concrete structure, and which is linked to a foundation base, wherein said tower has a hollow structure, and it has the particularity of including a water tank linked thereto, as well as water inlet and outlet valves, having a system for raising and lowering water through pipes attached to the tower, associated with an external or own pumping system, and which are electrically powered through the very wind turbine associated with the tower.

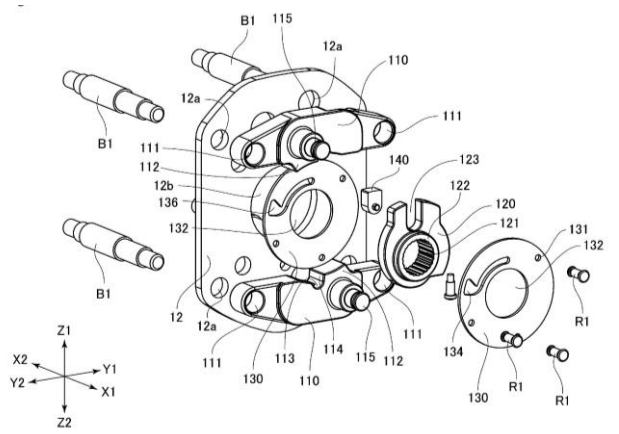


21: 2022/13081. 22: 2022/12/02. 43: 2023/07/25
51: F25B; F25J
71: EOSGEN-TECHNOLOGIES
72: VERNET, Jean-Philippe Georges
33: FR 31: 2004428 32: 2020-05-05
54: COOLING SYSTEM, AIR-CONDITIONING SYSTEM, MOTOR ASSEMBLY AND ASSOCIATED METHODS
00: -
The invention relates to a cooling system (1) comprising at least: a Stirling heat pump (2) designed to cool an inlet gas (Ge) down to a cryogenic temperature so as to form a cryogenic liquid (L), a primary electric motor (3), intended to put said Stirling heat pump (2) into operation, a primary pump (4) intended to cause said cryogenic liquid (L) to circulate under pressure, and a cooling means (5) intended to cool said primary electric motor (3) with the aid of the cryogenic liquid (L) output by said primary pump (4). The invention is

particularly suitable for the production of a cryogenic liquid and the applications thereof.



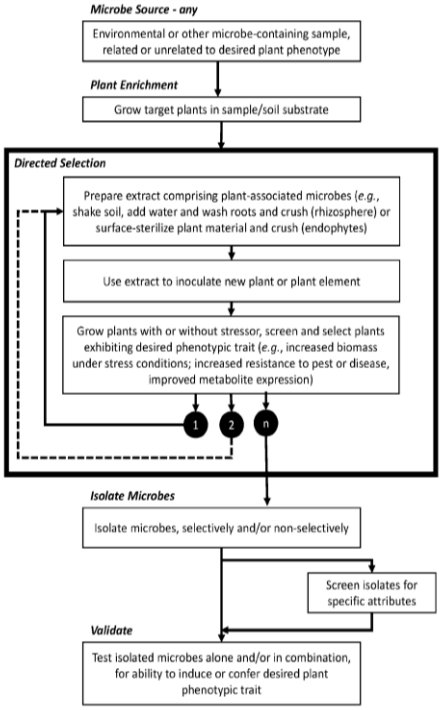
21: 2022/13153. 22: 2022/12/05. 43: 2023/06/21
51: B66D
71: Kito Corporation
72: KASAI Takayuki
33: JP 31: 2020-100235 32: 2020-06-09
54: ROTATION LOCK DEVICE, LEVER HOIST, AND HOISTING MACHINE
00: -
Provided is a hoisting machine which can reliably stop the rotation of a shaft-like member when a brake device has failed, and which can also improve the mounting strength of a pawl shaft. This hoisting machine 10 comprises a rotation lock device 100 which locks the rotation of a shaft-like member 25, the rotation lock device 100 including: a stopper support member 120 which rotates integrally with the shaft-like member 25; a stopper member 140 which is slidably supported by the stopper support member 120; and stopper locking means 110 each having a locking wall 114 which stops the rotation of the shaft-like member 25 by being contacted by the stopper member 140, wherein, when the shaft-like member 25 has accelerated the rotation toward a first rotation direction, the stopper member 140 protrudes to a position engaging with the stopper locking means 110 to stop the rotation of the shaft-like member 25, each stopper locking means 110 is integrated with a pawl shaft 115, and the stopper locking means 110 is mounted to a frame 12 via a stay bolt B1.



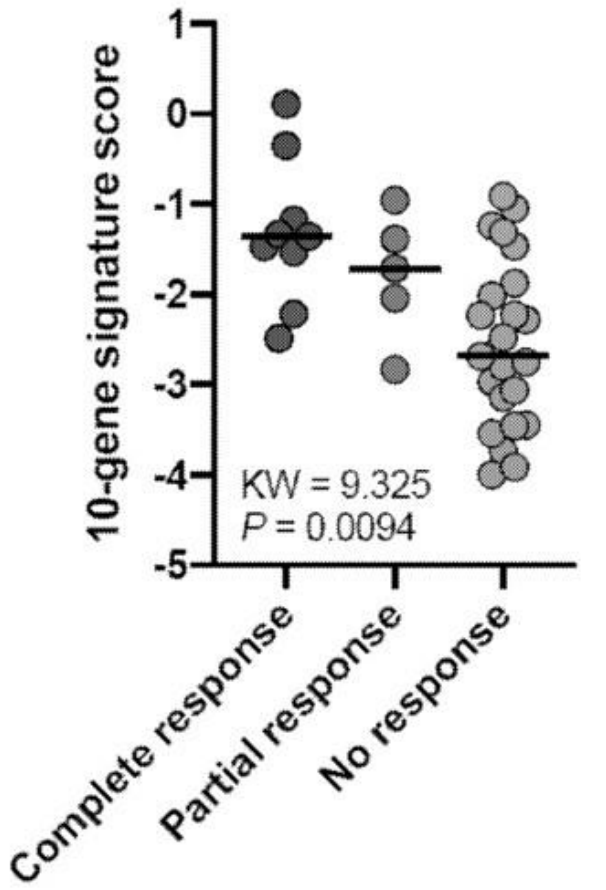
21: 2022/13209. 22: 2022/12/06. 43: 2023/08/16
51: G06K
71: JIANGSU UNIVERSITY OF TECHNOLOGY
72: YAO Keming, WANG Yi, JIANG Shaozhong, LI Feng, WANG Xiaolan
33: CN 31: 202111478584.X 32: 2021-12-06
54: FACE RECOGNITION METHOD IN MASK WEARING STATE
00: -
The invention relates to the technical field of image recognition, and in particular to a face recognition method in a mask wearing state. The invention first uses the improved YOLO network to detect masks. In order to improve the recognition efficiency and speed, the pyramid hierarchical processing structure is adopted, and the candidate target database is obtained through contour feature screening in the initial screening stage; in the selection stage, the improved scale invariant features are extracted from the selected objects in the candidate target database, improving the corner screening and matching algorithm, saving the time for corner feature extraction and matching in most databases, and significantly improving the speed of feature extraction and the accuracy of matching by SIFT algorithm. It realizes fast and highly accurate face recognition including wearing masks.

21: 2022/13258. 22: 2022/12/07. 43: 2023/06/20
51: A01N
71: BIOCONSORTIA, INC.
72: SANTIAGO-ORTIZ, Jorge, WILLIAMS, Thomas, WILK, Debora, ZHU, Hong, PATRI, Abhishek, HYMUS, Graham
33: US 31: 62/705,239 32: 2020-06-17
54: AGRICULTURALLY BENEFICIAL MICROBES, MICROBIAL COMPOSITIONS, AND CONSORTIA

00: -
The disclosure relates to isolated microorganisms—including novel strains of the microorganisms, microbial consortia, and agricultural compositions comprising the same. Furthermore, the disclosure teaches methods of utilizing the described microorganisms, microbial consortia, and agricultural compositions comprising the same, in methods for imparting beneficial properties to target plant species. In particular aspects, the disclosure provides methods of increasing desirable plant traits in agronomically important crop species.



21: 2022/13311. 22: 2022/12/08. 43: 2023/07/26
51: G01N; C12N; C12Q
71: MACROGENICS, INC., NOTTINGHAM TRENT UNIVERSITY
72: Jan, Kenneth DAVIDSON, Sergio RUTELLA
33: US 31: 63/041,051 32: 2020-06-18
54: USE OF BISPECIFIC CD123 X CD3 DIABODIES FOR THE TREATMENT OF HEMATOLOGIC MALIGNANCIES
00: -
The present invention is directed to a method of treating a hematologic malignancy such as acute myeloid leukemia (AML) or myelodysplastic syndrome (MDS), including hematologic malignancies that are refractive to chemotherapeutic and/or hypomethylating agents. The method concerns administering a CD123 x CD3 bispecific binding molecule to a patient in an amount effective to stimulate the killing of cells of said hematologic malignancy in said patient. The present invention is particularly directed to the embodiment of such method in which a cellular sample from the patient prior to such administration evidences an expression of one or more target genes that is increased relative to a baseline level of expression of such genes, for example, a baseline level of expression of such genes in a reference population of individuals who are suffering from the hematologic malignancy, or with respect to the level of expression of a reference gene.



21: 2022/13345. 22: 2022/12/09. 43: 2023/07/04
51: B32B; B44C; C09J; G09F
71: IZAWA Yuto
72: IZAWA Yuto
33: JP 31: 2020-116736 32: 2020-07-06
54: PATTERN LAYER TO BE ADHERED TO LIVING BODY
00: -

Patent Literature 1 discloses a fresh flower for a gift in which a design formed on a punched stencil sheet is drawn by pressing the stencil sheet against a petal and applying cosmetic powder onto a punched portion. However, when ink is adhered to a surface of a living body, the ink is absorbed into the living body, and thus the design gradually disappears. [Solution] The present disclosure provides a pattern layer to be adhered to a living body, characterized in that: the pattern layer has a surface layer and a bonding layer; the bonding layer has a function of adhering to a surface of the living body; dye drawing a design is fixed so as to be held between the surface layer and the bonding layer; and the bonding layer is made of a substance not allowing permeation of the dye.

21: 2022/13421. 22: 2022/12/12. 43: 2023/06/19
51: A62D; B01J; C02F; C21B
71: Midrex Technologies, Inc.
72: FINNOUCHE, Faycal, OSWALD, David
54: SEAL GAS OPTIMIZATION SYSTEMS AND METHODS FOR A DIRECT REDUCTION PROCESS
00: -
A method and system for operating a seal gas compressor utilized in a direct reduction process including: monitoring a pH level of a water stream used in the seal gas compressor, wherein the pH level of the water stream is affected by a reformer flue gas stream that comes into contact with the water stream, wherein the monitoring step is carried out one or more of upstream of the seal gas compressor and downstream of the compressor; and adjusting the pH level of the water stream to maintain the pH level of the water stream within a predetermined range based on feedback from the monitoring step. The method includes maintaining the pH level of the water stream upstream of the seal gas compressor in a range between 7.5 and 10 and maintaining the pH level of the water stream downstream of the seal gas compressor in a range between 7.8 and 9.5.

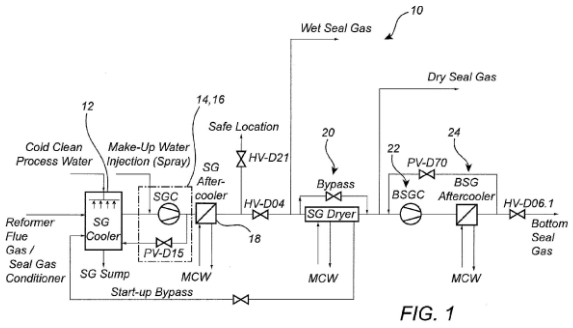
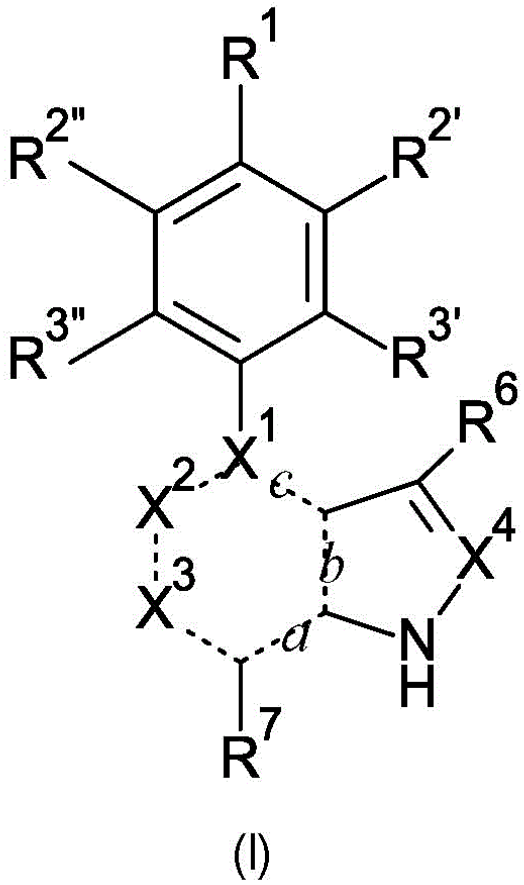


FIG. 1

21: 2022/13430. 22: 2022/12/12. 43: 2023/06/19
51: A61K; A61P; C07D
71: F. Hoffmann-La Roche AG
72: BELL, Andrew Simon, BESNARD, Jérémy, BRADLEY, Anthony Richard, GREEN, Luke, HAAP, Wolfgang, KOCER, Buelent, KUGLSTATTER, Andreas, LUCAS, Xavier, MATTEI, Patrizio, MAZUNIN, Dmitry, RIEMER, Claus, VAN HOORN, Willem Paul
33: EP(CH) 31: 20181363.1 32: 2020-06-22
54: SULFONE DERIVATIVES
00: -
The present invention provides compounds of formula (I) wherein X1, X2, X3, X4, R1, R1a, R1b, R2', R2'', R3', R3'', R6 and R7 are as described herein, as well as pharmaceutically acceptable salts thereof. Further the present invention is concerned with the manufacture of the compounds of formula (I), pharmaceutical compositions comprising them and their use as medicaments.



(I)

21: 2022/13455. 22: 2022/12/13. 43: 2023/07/18
51: A01G; A01H
71: FLOWER RESEARCH INSTITUTE, YAAS, YUXI CHENGHUA BIOLOGY SCIENCE AND TECHNOLOGY CO., LTD.
72: LI, Han, CAO, Hua, LU, Lin, JI, Yulu, LI, Shenchong, ZHANG, Hao
54: METHOD FOR BLOCKING DENDROBIUM OFFICINALE KIMURA ET MIGO TISSUE CULTURE SEEDLINGS FROM BEING POLLUTED BY BACTERIA
00: -
The present invention provides a method for blocking Dendrobium officinale Kimura et Migo tissue culture seedlings from being polluted by bacteria, which comprises the following steps: 1) preparation of a nano-copper mother liquor, 2) dilution of the nano-copper mother liquor, 3) preparation of a disinfectant, 4) preparation of a mixed culture medium I, 5) disinfection of Dendrobium officinale Kimura et Migo seeds, 6) culture of the Dendrobium officinale Kimura et Migo seeds, 7) differentiation culture of the Dendrobium officinale Kimura et Migo seeds, 8) preparation of a mixed culture medium II, 9) culture of differentiated immature embryos, and 10) culture and transplanting of bottle seedlings. The 10-2% nano-copper solution is added into the culture media; and invading bacteria are blocked during two culture processes of seed germination and immature embryo differentiation.

21: 2022/13472. 22: 2022/12/13. 43: 2023/07/25
51: A23J; A23L; A23P
71: REDEFINE MEAT LTD.
72: DIKOVSKY, Daniel, HAUSNER, Jonathan
33: IL 31: 278052 32: 2020-10-14
54: MEAT ANALOGUE AND METHOD OF PRODUCING THE SAME
00: -
The present disclosure provides an edible meat analogue and a method of producing the same, the meat analogue comprising a plurality of protein strands and inter- strand sheaths material, wherein in at least one sample of said edible meat analogue, the following conditions are fulfilled: (i) the plurality of protein strands are essentially aligned, (ii) at least a portion of the protein strands are at least partially surrounded by the inter-strand sheaths material; (iii) the inter-strand sheaths material comprises at least one component that has a melting point above 30°C; and (iv) the inter-strand sheaths material forms a network interconnecting between at least two neighboring, spaced apart, protein strands; and wherein said inter-strand sheaths material is selected to provide at least one of the following physical properties: (a) an average hardness of a specimen of the meat analogue, of at least 46N; and (b) an average tensile strength of at least 0.012MPa of a specimen of the meat analogue.

21: 2022/13473. 22: 2022/12/13. 43: 2023/07/25
51: A23P; B33Y
71: REDEFINE MEAT LTD.
72: MANDELIK, Daniel, COMFORTI, Eyal, SCHACHTER, Sagee, SHAPIRA, Gur, DIKOVSKY, Daniel
33: IL 31: 278059 32: 2020-10-14
54: SYSTEM AND METHOD FOR FABRICATION OF A THREE-DIMENSIONAL EDIBLE PRODUCT
00: -
The present disclosure provides a system (100) and method for fabrication of a three-dimensional edible

product having two or more edible components. The system comprises a processor configured to receive an edible product design having pattern coordinates, and to provide pattern address signals, a printing mechanism (120) having a printing head (150) with two or more sets of a plurality of discrete applicators, each one of the two or more sets is configured to receive and dispense a different edible component, each of said discrete applicators being configured to receive and selectively dispense, its corresponding edible component onto a printing support bed (200) in accordance with said pattern address signals, and a driving mechanism (250) configurable to control the position of said printing head with respect to a printing support bed. The method comprises: providing a printing support bed by which said edible product is supported while being fabricated, providing a printing mechanism having a printing head with two or more sets of a plurality of discrete applicators where each one of the two or more sets is configured to receive and dispense a different edible component, dispensing, a plurality of strands of two or more different edible compositions provided to said printing mechanism onto said printing support bed, each strand being dispensed by a different set of the two or more sets in accordance with the pattern address signals, so as to form a product layer; and operating a driving mechanism in accordance with said pattern address signals for controlling the position of said printing head with respect to said printing support bed so as to fabricate said product by depositing successive product layers on top of each other.

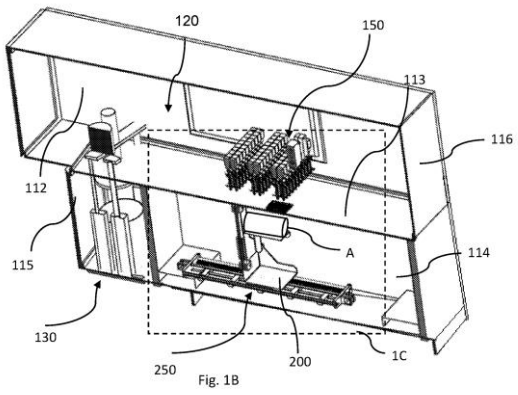


Fig. 1B

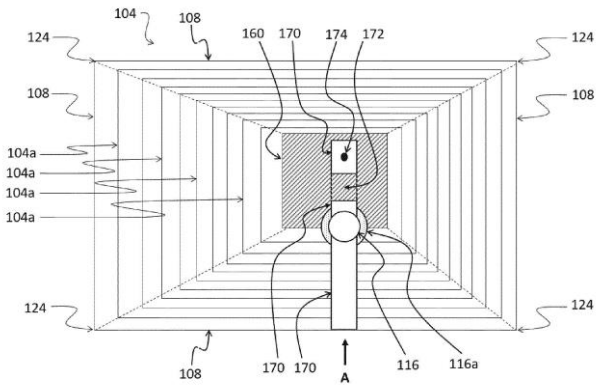
21: 2022/13492. 22: 2022/12/13. 43: 2023/06/20

51: A61B; G01J; G01N; G06K
71: F. Hoffmann-La Roche AG
72: BERG, Max, HAILER, Fredrik, LIMBURG, Bernd, MELCHINGER, Christian
33: EP(CH) 31: 20190454.7 32: 2020-08-11

54: TEST STRIP FIXATION DEVICE FOR OPTICAL MEASUREMENTS OF AN ANALYTE

00: -

The present invention relates to a test strip fixation device - being configured to be used in a method for determining a concentration of an analyte in a bodily fluid by using a mobile device having a camera, said method comprising capturing by the camera at least one image containing at least a part of an optical test strip and at least a part of said test strip fixation device, the optical test strip having a sample of the bodily fluid applied onto a reagent test region of the optical test strip, wherein the image comprises at least a part of the reagent test region having the sample of the bodily fluid applied thereto, and wherein the image comprises at least a part of a top surface of the test strip fixation device; said test strip fixation device comprising a) an essentially planar shape; b) a cut-out portion; c) a top surface comprising a plurality of color reference fields having known reference color values, including grey reference fields locally arranged around the cut-out portion and around at least some of the non-grey color reference fields; and comprising position detection code elements; d) a bottom surface comprising a fixation element for detachable connection of the optical test strip relative to said test strip fixation device, such that the reagent test region can be aligned with the cut-out portion.



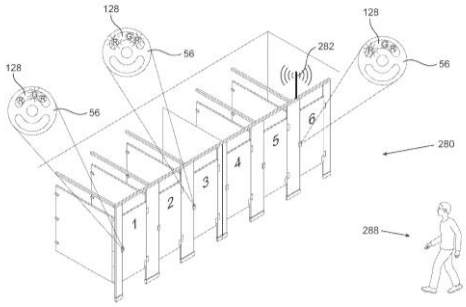
21: 2022/13497. 22: 2022/12/13. 43: 2023/06/20

51: A61K; C07K; C12N; A61P

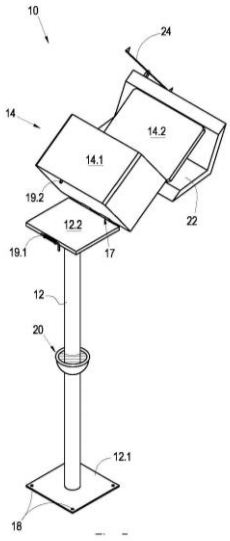
71: THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, CODAGENIX INC.
72: DE LOS SANTOS, Teresa B., RIEDER, Aida E., DIAZ-SAN SEGUNDO, Fayna C., KLOC, Anna, COLEMAN, John R., MUELLER, Steffen, MEDINA, Gisselle N.
33: US 31: 63/030,431 32: 2020-05-27
33: US 31: 17/330,545 32: 2021-05-26
54: LIVE ATTENUATED STRAINS OF FOOT AND MOUTH DISEASE MODIFIED BY DEOPTIMIZATION AND USES THEREOF
00: -
The present disclosure describes deoptimized foot and mouth viruses and their use for prophylactic and therapeutic treatment of mammalian subjects. The recombinant viruses provided herein include alterations in several genomic regions as well as Differentiating Infected from Vaccinated Animals (DIVA) markers.

SEQ. ID NO: 1

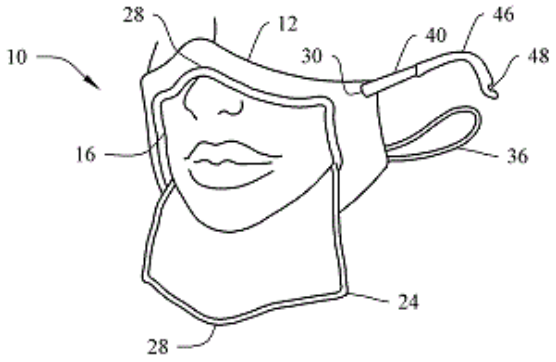
21: 2022/13499. 22: 2022/12/13. 43: 2023/06/20
51: E05B; E05F
71: Y.STERN ENGINEERING (1989) LTD.
72: STERN, Yosef, STERN, Yuval
33: IL 31: 275425 32: 2020-06-16
54: DOOR SYSTEM AND MODULE THEREFORE
00: -
A door module for use with a door system, and applications thereof, are disclosed. The door module comprises a door frame and a door articulated to the door frame, a touchless door module comprising a door motor assembly, a door locking assembly, a control assembly and a power source. The door motor assembly can be configured for displacing the door between an open position and a closed position, responsive to a door opening signal or a door closing signal, respectively, emitted from the control assembly. The locking assembly can be configured for displacing a locking bolt between a locked position at which it is engageable with a locking strike, responsive to a locking signal emitted from the control assembly, and an unlocked position, responsive to an unlocking signal emitted from the control assembly. The control assembly comprises in some embodiments at least one touchless inside sensor, wherein an entrance signal includes a signal received form the at least one inside touchless sensor, resulting in generating a door closing signal and an occupied signal, and an exit signal received by the at least one inside sensor resulting in generating a door opening signal. The control assembly may further comprise a signaling system configured for emitting noticeable door mode indicia responsive to door parameters.



21: 2022/13528. 22: 2022/12/14. 43: 2023/06/20
51: A47G
71: KIRSTEN, Samuel John
72: KIRSTEN, Samuel John
54: A FOOD HOLDER
00: -
This invention relates to a food holder 10 provided outside a premises for temporarily holding food until the food is collected or removed from the holder 10. The food holder 10 includes an elongate pole 12 configured to be secured to the ground and an insulated cooler box 14 which is pivotally attached to an upper end of the pole 12 to facilitate easy cleaning of an inside of the cooler box 14. The cooler box 14 comprises a rectangular container base 14.1 and a complementary lid 14.2, both having insulated walls and together defining an inner cavity 16 for receiving food therein. Instead of disposing of food by placing it in the trash can or bin, owners can place it in the food holder 10 for others to collect free of charge. In this manner, the needs of others can be met, and unnecessary wastage can be avoided.



21: 2022/13546. 22: 2022/12/14. 43: 2023/06/20
51: A41D
71: NANA PRODUCTS LLC
72: COLEMAN, Johnathan
33: US 31: 63/040,053 32: 2020-06-17
54: HIGH QUALITY MASK
00: -
A face mask system capable of covering and exposing a mouth area of a user a. The face mask system includes a face mask and an eyeglass frame. The face mask includes a mask body and a flap made of a first, second and third materials. The mask body defines an opening exposing the mouth area when the face mask is worn on a face. A flap is pivotably associated with the mask body to cover the opening. A fastening means is associated with the flap and the mask body to retain the flap to the mask body. Elastic cords extend from the mask body to secure the mask body to the face. The eyeglass frame includes a central section featuring a nose brace, and frame arms extending from ends of the central section. The frame arms including an ear member featuring an end element engageable with the elastic cords.



21: 2022/13612. 22: 2022/12/15. 43: 2023/06/19
51: G06F; G06N; H04L
71: AaDya Security, Inc.
72: MAUTONE, Raffaele Mauro-Aniello, PRIEST, Chad Sterling
33: US 31: 63/042,523 32: 2020-06-22
54: DISTRIBUTED ENDPOINT SECURITY ARCHITECTURE AUTOMATED BY ARTIFICIAL INTELLIGENCE
00: -
A system for protecting an endpoint device of a user includes a web interface module that identifies a present URL visited by the user and target URLs to which navigation is available. A password management module installed on the endpoint device stores multiple entries. One entry includes a username, a password, and a login URL. The password management module selectively supplies credentials to the web interface module, including supplying the password to the web interface module in response to the web interface module identifying the login URL as the present URL. A URL analysis module evaluates the target URLs to classify each of the target URLs as either safe or suspicious and initiates a warning to the user in response to one of the target URLs being classified as suspicious. The URL analysis module performs the classification based in part on login URLs stored by the password management module.

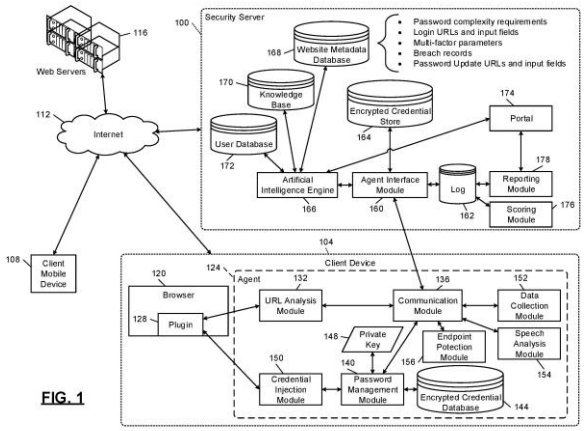


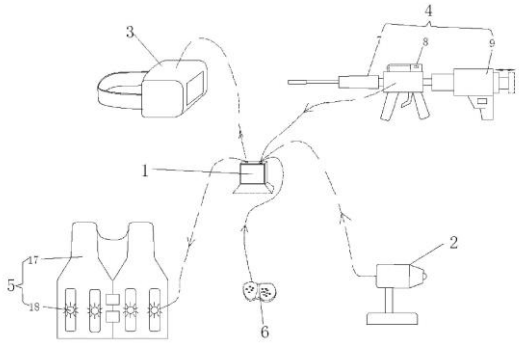
FIG. 1

21: 2022/13616. 22: 2022/12/15. 43: 2023/07/26
51: G09B
71: Army Medical University, People's Liberation Army, PRC
72: ZONG, Zhaowen, DU, Wenqiong, JIA, Yijun, YE, Zhao, JIANG, Renqing, ZHONG, Xin, ZHOU, Xiaolin
33: CN 31: 202010983199.X 32: 2020-09-17

54: MIXED REALITY HIGH-SIMULATION BATTLEFIELD FIRST AID TRAINING PLATFORM AND TRAINING METHOD USING SAME

00: -

A mixed reality high-simulation battlefield first aid training platform and a training method using same, relating to the technical fields of virtuality and reality combination and training tools. The mixed reality high-simulation battlefield first aid training platform is composed of a hardware part and a software part; the hardware part comprises a data processing system (1), a real-time monitoring system (2), a head-mounted display device (3), an intelligent shooting instrument (4), a wearable sensing instrument (5), and a manipulation handle (6); the software part comprises a 3D battlefield scene simulation system, a 3D wounded simulation system, a wounded rescue decision system, and a movable large space team cooperation and virtual interaction system; the 3D battlefield scene simulation system comprises a geographic environment 3D model and a battle scene 3D model; the data processing system (1) comprises a PC terminal having a wireless communication module. A battlefield environment can be highly simulated; a full-process experience comprising battle with enemies, wounded arising, rescue implementation, and tactical mission completion is provided; battlefield rescue decision and team cooperative training are highlighted; the practical application level of self-rescue and mutual rescue for war wounds is improved.

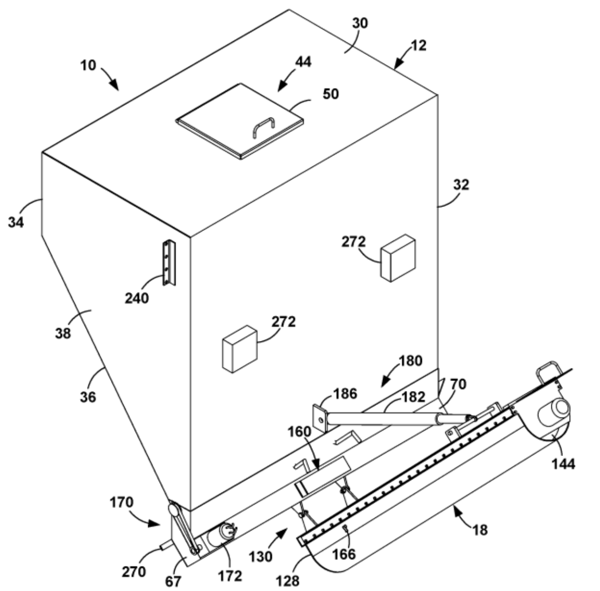


21: 2022/13678. 22: 2022/12/19. 43: 2023/07/24
51: B28C
71: CHAVEZ, Tirso
72: CHAVEZ, Tirso
33: US 31: 63/038,180 32: 2020-06-12

54: MOBILE CONTINUOUS MIXING APPARATUS BACKGROUND OF THE INVENTION

00: -

A continuous mixer that is installed in the bed of a dump truck. The mixer has a hopper for cement, a pair of belts to move the other mixing materials, and a chute with an auger for mixing the cement and mixing materials with water and depositing the mixture where desired. The hopper stands upright in the bed when the bed is down and tilted at about 45° when the bed is up. An auger at the bottom of the hopper feeds cement to an opening at the bottom of the hopper, The belts sit below the hopper and are oriented with the belts parallel to the ground during operation, The belts feed mixing materials from the bed to a mixing chute below the belts. An auger combines the dry materials and water to form the concrete as they travel the length of the chute to the discharge end.



21: 2022/13680. 22: 2022/12/19. 43: 2023/07/24
51: E01B
71: MATISA MATERIEL INDUSTRIEL SA
72: PILLER, Marco, PILET, Jacques, SAVOYAT, Marc-Antoine, STUPAR, Milan, MUNDT, Alain
33: FR 31: 2007221 32: 2020-07-08

54: INITIAL AND FINAL METHODS FOR LAYING LONG RAILS

00: -

Disclosed is an initial method for laying new long rails (22) of a railway track (20) by means of a work train (100) traveling in a direction of travel (F2), the initial method being intended to be implemented during a process for replacing old rails (21) of the railway track (20), said method comprising a phase (B) during which the new long rails (22) are laid and subsequently fastened to sleepers (23) of the railway track (20) when the work train is traveling in said direction of travel (F2), the initial laying method comprising: a step of laying at least one portion of a first of the new long rails (221) on the sleepers (23) at at least one end (211') of an old joining rail (211); an end-to-end connection step of connecting the end (211') of the old joining rail (211) to at least one end (221')) of the first new long rail (221) by means of at least one temporary connection device (30); a step of welding, for example thermite welding, the respective connected ends of the old joining rail (211) and the first new long rail (221); the initial laying method comprising, prior to the laying step, a step of heating or cooling, for neutralizing to the reference temperature, at least one end portion (221') of the first new long rail (221), the end portion comprising the end (221') of the first new long rail (221) to which the end (211') of the old joining rail (211) is required to be connected. A final method for laying new long rails (22) of a railway track (20) by means of a work train (100) traveling in a direction of travel (F2) is also disclosed. for example thermite welding, the respective connected ends of the old joining rail (211) and the first new long rail (221); the initial laying method comprising, prior to the laying step, a step of heating or cooling, for neutralizing to the reference temperature, at least one end portion (221') of the first new long rail (221), the end portion comprising the end (221') of the first new long rail (221) to which the end (211') of the old joining rail (211) is required to be connected. A final method for laying new long rails (22) of a railway track (20) by means of a work train (100) traveling in a direction of travel (F2) is also disclosed. for example thermite welding, the respective connected ends of the old joining rail (211) and the first new long rail (221); the initial laying method comprising, prior to the laying step, a step of heating or cooling, for neutralizing to the reference temperature, at least one end portion (221') of the first new long rail (221), the end portion comprising the end (221') of the first new long rail (221) to which the end (211') of the old joining rail (211) is required to be connected. A final method for laying new long rails (22) of a railway track (20) by means of a work train (100) traveling in a direction of travel (F2) is also disclosed. a step of heating or cooling, for neutralizing to the reference temperature, at least one end portion (221') of the first new long rail (221), the end portion comprising the end (221') of the first new long rail (221) to which the end (211') of the old joining rail (211) is required to be connected. A final method for laying new long rails (22) of a railway track (20) by means of a work train (100) traveling in a direction of travel (F2) is also disclosed. a step of heating or cooling, for neutralizing to the reference temperature, at least one end portion (221') of the first new long rail (221), the end portion comprising the end (221') of the first new long rail (221) to which the end (211') of the old joining rail (211) is required to be connected. A final method for laying new long rails (22) of a railway track (20) by means of a work train (100) traveling in a direction of travel (F2) is also disclosed.

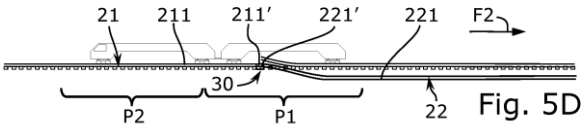
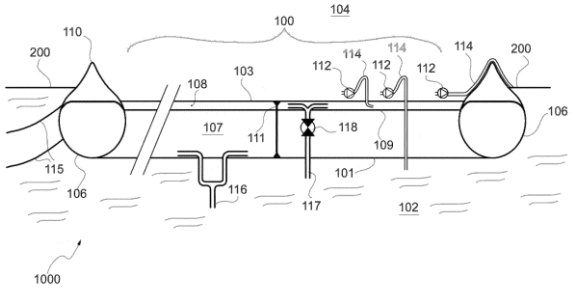
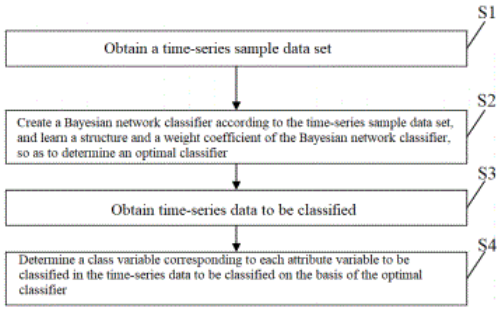


Fig. 5D

21: 2022/13762. 22: 2022/12/20. 43: 2023/07/24
51: B65D
71: SIZABLE ENERGY S.R.L.
72: AUFIERO, Manuele, FIORINA, Carlo, DI LECCE, Francesco
33: IT 31: 102020000014422 32: 2020-06-17
54: A FLEXIBLE FLOATING RESERVOIR FOR STORING AND TRANSPORTING LIQUIDS HEAVIER THAN THE ENVIRONMENTAL LIQUID IN WHICH THE RESERVOIR IS IMMERSIBLE
00: -
The invention is related to storage and transportation systems for liquids on a body of water (seas, lakes, etc.). More specifically, the invention relates to a floating reservoir for storage of liquids denser than the environmental body of water (such as sea salt brine), wherein the reservoir is flexible to adapt to environmental body waves such as sea waves. The invention also concerns a method of operation of the reservoir and an underwater energy storage system that uses such a reservoir.



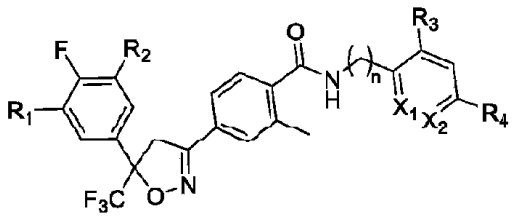
21: 2023/00123. 22: 2023/01/03. 43: 2023/08/08
51: G06F; G06N
71: SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES
72: ZHOU, Liang, WU, Tao, ZHANG, Siwen, KONG, Ping, WANG, Shuangcheng
54: DATA CLASSIFICATION METHOD BASED ON DYNAMIC BAYESIAN NETWORK CLASSIFIER
00: -
The present invention provides a data classification method based on a dynamic Bayesian network classifier, and belongs to the technical field of data classification. The method includes: obtaining a time-series sample data set; creating a Bayesian network classifier according to the time-series sample data set, and learning a structure and a weight coefficient of the Bayesian network classifier, so as to determine an optimal classifier; and determining a class variable corresponding to each attribute variable to be classified in time-series data to be classified on the basis of the optimal classifier, so as to accurately classify for time series data.



21: 2023/00129. 22: 2023/01/03. 43: 2023/07/21
51: A01H
71: PIETERS JOSEPH & LUC BV
72: PIETERS, Christophe, PIETERS, Luc
33: BE 31: 2020/5364 32: 2020-05-26
54: PROPAGATING MATERIAL FOR SWEET POTATO
00: -
In a first aspect, the invention relates to a method for obtaining a sweet potato propagating material. In a second and third aspect, the invention relates to sweet potato propagating material and a plurality thereof.

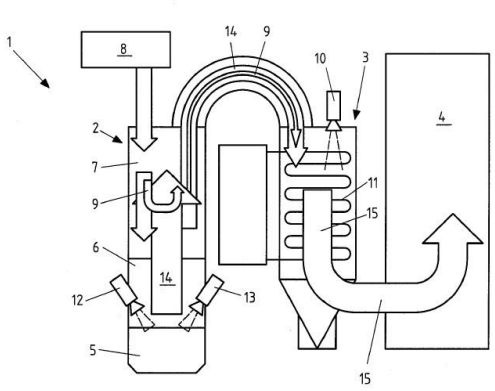
21: 2023/00148. 22: 2023/01/03. 43: 2023/08/08
51: A01N; C07D; A01P
71: SHANDONG UNITED PESTICIDE INDUSTRY CO., LTD.
72: TANG, Jianfeng, CHI, Huiwei, WU, Jianting, YU, Bin, XU, Longxiang, ZHAO, Baoxiu, YANG, Yi, LI, Dongrong
33: CN 31: 202010754471.7 32: 2020-07-30
54: ISOXAZOLINE-SUBSTITUTED BENZAMIDE DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
The present invention relates to the technical field of pesticides and acaricides, and in particular to an isoxazoline-substituted benzamide derivative, and a preparation method therefor and use thereof. Specifically provided is a compound represented by formula (I) or a salt thereof; and the compound

represented by the formula (I) exhibits good activity against a variety of pests and mites in agriculture or other fields. Moreover, these compounds can achieve a good control effect at low doses, and therefore, these compounds can be used in preparation of pesticides and/or acaricides and have good application prospects.

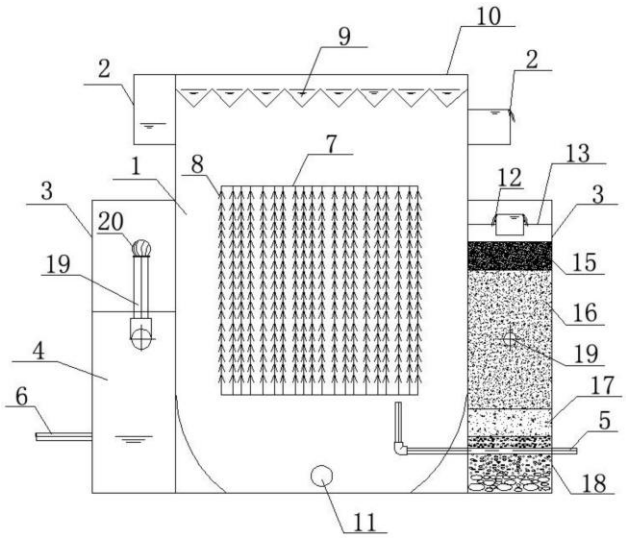


(I)

21: 2023/00150. 22: 2023/01/03. 43: 2023/08/11
51: C22B
71: SMS GROUP GMBH
72: Rolf DEGEL, Timm LUX, Frank KAUSSEN, Nikolaus Peter Kurt BOROWSKI
33: DE 31: 10 2020 208 774.1 32: 2020-07-14
54: METHOD FOR OBTAINING NON-FERROUS METALS, MORE PARTICULARLY BLACK AND/OR RAW COPPER, FROM SCRAP CONTAINING ORGANIC MATTER
00: -
The present invention relates to a method for obtaining non-ferrous metals, more particularly black and/or raw copper, from scrap containing organic matter (8), comprising the steps: i) providing a melting reactor (2), the melting reactor (2) being configured such that it has at least one melting region (5), a combustion region (6) and a pyrolysis region (7), ii) supplying the melting reactor (2) with a mixture comprising the scrap containing organic matter (8) such that said scrap containing organic matter first passes through the pyrolysis region (7) and the combustion region (6) before it reaches the melting region (5) and is at l;east partially pre-pyrolised and/or combusted such that an energy-containing gas stream (9) is formed, iii) transferring the energy-containing gas stream (9) into a thermal post-combustion chamber (3), in which the energy-containing gas stream (9) is completely combusted and the thermal energy released during combustion is carried off via an energy recovery unit (11), and iv) melting the scrap containing organic matter (8) at least part of which has been pre-pyrolised and/or combusted.



21: 2023/00352. 22: 2023/01/09. 43: 2023/08/11
51: C02F
71: CHINESE RESEARCH ACADEMY OF ENVIRONMENTAL SCIENCES
72: DONG, Liwei, XU, Chunlian, BAI, Lu, ZHANG, Wei
33: CN 31: 202210292810.3 32: 2022-03-22
54: INTEGRATED TREATMENT SYSTEM FOR RECYCLING RURAL GREY WATER
00: -
Disclosed is an integrated water treatment including an enhanced pretreatment tank, a water fall tank, a multi-effect filter tank below the water fall tank, a disinfection tank, a water inlet pipe at a bottom of the enhanced pretreatment tank, a water outlet pipe at a bottom of the disinfection tank and an air distribution pipe in the middle of the multi-effect filter, wherein the enhanced pretreatment tank is cylindrical; the water fall tank is arranged in a closed-ring shape along the wall of the enhanced pretreatment tank; the disinfection tank is arranged below the water fall tank in a half-ring shape along the wall of the enhanced pretreatment tank, and arranged in a closed ring shape with the multi-effect filter tank; tank, and two ports of the gas distribution pipe are respectively communicated with atmosphere of the disinfection tank. The filter has a ring-shaped structure.



21: 2023/00360. 22: 2023/01/09. 43: 2023/08/16
51: C12N; C12Q
71: Guizhou Institute of Animal Husbandry and Veterinary Science
72: CHEN Haolin, HAN Yong, YANG Yang, YUAN Chao, WANG Defeng, SU Chaozhi, LI Dongguang
33: CN 31: 2021112486684 32: 2021-10-26

54: MOLECULAR MARKER FOR IDENTIFYING GUIZHOU BLACK GOAT AND LEZHI BLACK GOAT, DETECTION METHOD AND APPLICATION THEREOF

00: -

This invention discloses a molecular marker for identifying Guizhou black goat and Lezhi black goat, a detection method and application thereof, and relate to the technical field of molecular detection. The invention discloses a molecular marker, and its nucleotide sequence of = is shown in SEQ ID NO: 1; when the 97th position of the sequence shown in SEQ ID NO: 1 is G and the 232nd position is C, it is Guizhou black goat; when the 97th place is T and the 232nd place is T, it is Lezhi Black Goat. According to the invention, a polymorphic site that is used for identifying the two breeds is found by analyzing the gene difference of INHBB gene in Guizhou black goat and Lezhi black goat, and based on the polymorphic site, the accurate distinction and identification of Guizhou black goat and Lezhi black goat are realized through the designed primer pair, and this has important significance for the purebred breeding and breeding of local breeds of goats by molecular means.

```
Guizhou    CAACGAAGGCAACCAGAACCTGTTTGTAGTGCAGGCCAGC   40
Lezhi      CAACGAAGGCAACCAGAACCTGTTTGTAGTGCAGGCCAGC   40
Consensus  caacgaaggcaaccagaacctgtttgtagtgcaggccagc

Guizhou    CTGTGGCTCTACCTGAAGCTGCTGCCCTACGTCCTGGAGA   80
Lezhi      CTGTGGCTCTACCTGAAGCTGCTGCCCTACGTCCTGGAGA   80
Consensus  ctgtggctctacctgaagctgctgccctacgtcctggaga

Guizhou    AGGGCGGCCGGCGGAAGGTGCGGGTAAAGGTGTACTTCCA  120
Lezhi      AGGGCGGCCGGCGGAATGTGCGGGTAAAGGTGTACTTCCA  120
Consensus  agggcggccggcggaa gtgcgggtaaaggtgtacttcca

Guizhou    GGAGCAGGGCCCTGGCGACCGCTGGGCCGCGGTGGAGAAG  160
Lezhi      GGAGCAGGGCCCTGGCGACCGCTGGGCCGCGGTGGAGAAG  160
Consensus  ggagcagggccctggcgaccgctgggccgcggtggagaag

Guizhou    CGCGTGGACCTCAAGCGCAGCGGCTGGCACACCTTCCCCC  200
Lezhi      CGCGTGGACCTCAAGCGCAGCGGCTGGCACACCTTCCCCC  200
Consensus  cgcgtggacctcaagcgcagcggctggcacaccttccccc

Guizhou    TCACCGAACCCATCCAGGCCCTGTTCTCACCGGGCGAGCG  240
Lezhi      TCACCGAACCCATCCAGGCCCTGTTCTCACGTGGCGAGCG  240
Consensus  tcaccgaacccatccaggccctgttctcacg ggcgagcg

Guizhou    GCGGCTCAGCCTGGACGTGCAGTGCGACGGCTGCCGGGAG  280
Lezhi      GCGGCTCAGCCTGGACGTGCAGTGCGACGGCTGCCGGGAG  280
Consensus  gcggctcagcctggacgtgcagtgcgacggctgccgggag

Guizhou    CTGGCCGTGGTGCCCGTGTTCGTGGACCCGGGCGAGGAGT  320
Lezhi      CTGGCCGTGGTGCCCGTGTTCGTGGACCCGGGCGAGGAGT  320
Consensus  ctggccgtggtgcccgtgttcgtggacccgggcgaggagt

Guizhou    CGCACCGGCCCTTCGTGGTGGTGCAGGCGCGGCTGGGCGA  360
Lezhi      CGCACCGGCCCTTCGTGGTGGTGCAGGCGCGGCTGGGCGA  360
Consensus  cgcaccggcccttcgtggtggtgcaggcgcggctgggcga

Guizhou    CAGCAGGCACCGCATCCGCAAGCGGGGCCTGGAGTGCGAC  400
Lezhi      CAGCAGGCACCGCATCCGCAAGCGGGGCCTGGAGTGCGAC  400
Consensus  cagcaggcaccgcatccgcaagcggggcctggagtgcgac

Guizhou    GGGAGGACCAACCTGTGCTGCCGGCAGCAGTTCTTCATCG  440
Lezhi      GGGAGGACCAACCTGTGCTGCCGGCAGCAGTTCTTCATCG  440
Consensus  gggaggaccaacctgtgctgccggcagcagttcttcatcg

Guizhou    ACTTCCGCCTCATCGGCTGGAACGACTGGATCATTGCGCC  480
Lezhi      ACTTCCGCCTCATCGGCTGGAACGACTGGATCATTGCGCC  480
Consensus  acttccgcctcatcggctggaacgactggatcattgcgcc

Guizhou    CACCGGCTACTATGGGAACTACTGCGAGGGCAGCTGCCCT  520
Lezhi      CACCGGCTACTATGGGAACTACTGCGAGGGCAGCTGCCCT  520
Consensus  caccggctactatgggaactactgcgagggcagctgccct

Guizhou    GCCTACCTGGCGGGGGTGCCGGGCTCGGCCTCCTCCTTCC  560
Lezhi      GCCTACCTGGCGGGGGTGCCGGGCTCGGCCTCCTCCTTCC  560
Consensus  gcctacctggcgggggtgccgggctcggcctcctccttcc

Guizhou    ACACGGCCGTGGTAAACCAGTACCGCATGCGGGGGCTGAA  600
Lezhi      ACACGGCCGTGGTAAACCAGTACCGCATGCGGGGGCTGAA  600
Consensus  acacggccgtggtaaaccagtaccgcatgcgggggctgaa

Guizhou    CCCGGGCACCGTGAACTCCTGCTGTATCCCCACCAAGCTG  640
Lezhi      CCCGGGCACCGTGAACTCCTGCTGTATCCCCACCAAGCTG  640
Consensus  cccgggcaccgtgaactcctgctgtatccccaccaagctg

Guizhou    AGCACCATGTCCATGCTCTACTTCGACGACGAGTACAACA  680
Lezhi      AGCACCATGTCCATGCTCTACTTCGACGACGAGTACAACA  680
Consensus  agcaccatgtccatgctctacttcgacgacgagtacaaca

Guizhou    TCGTCAAGCGGGACGTGCCCAATATGATCGTGGAG       715
Lezhi      TCGTCAAGCGGGACGTGCCCAATATGATCGTGGAG       715
Consensus  tcgtcaagcgggacgtgcccaatatgatcgtggag
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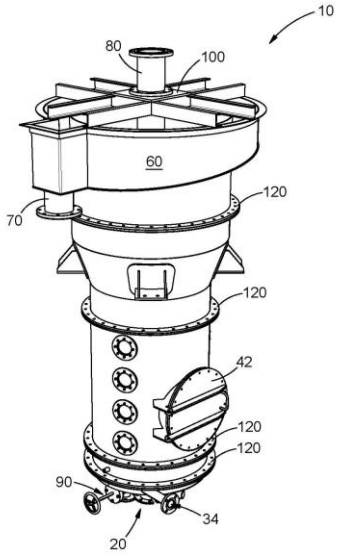
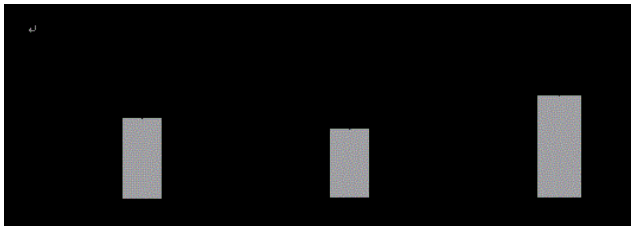
21: 2023/00366. 22: 2023/01/09. 43: 2023/08/10
51: B02C; B07B
71: KALE, Tebogo
72: KALE, Tebogo
33: ZA 31: 2020/04359 32: 2020-07-16

54: CLASSIFIER AND METHOD OF CLASSIFYING
00: -
This invention relates to a classifier (10) for separating particles by size and density and a method of classifying particles by size and density. The classifier, which is also used in the method, includes an underflow outlet (20) for conveying a first product out of the classifier; a fluidising means (30) for introducing a fluidisation fluid into the classifier; a settling chamber (40) for forming a hindered-settling zone, the settling chamber being in fluid flow communication with the fluidising means and the underflow outlet; a reflux chamber (50) for forming a free-settling zone, the reflux chamber being in fluid flow communication with the settling chamber and having a cross-sectional area larger than that of the settling chamber; a launder (60) in fluid flow communication with the reflux chamber for conveying a second product to an overflow outlet (70) of the classifier; and an inlet conduit (80) which projects into the classifier for introducing a feedstock into the classifier.



21: 2023/00370. 22: 2023/01/09. 43: 2023/08/11
51: A61K
71: Affiliated Hospital of Nantong University
72: JING Rongrong, CUI Ming, ZANG Jiayi, XIAO Lin, LIU Sinan, ZONG Wei, JU Shaoqing
33: CN 31: 202210456735X 32: 2022-04-28
54: APPLICATION OF CTC-497E21.4 AS REGULATORY TARGET FOR FERROPTOSIS IN PREPARATION OF TARGETED DRUGS FOR GASTRIC CANCER
00: -
The invention discloses an application of CTC-497E21.4 as a regulatory target for ferroptosis in the preparation of targeted drugs for gastric cancer, belonging to the technical field of biomedicine. The invention discloses the application of CTC-497E21.4 as a regulatory target for ferroptosis in the preparation of targeted drugs for gastric cancer, which regulates the decrease of SLC7A11 expression by interfering with the expression of CTC-497E21.4 to promote the ferroptosis of gastric cancer cells. According to the experimental results, the invention infers that CTC-497E21.4 is related to the ferroptosis of gastric cancer cells, and it has an inhibitory effect on the ferroptosis of gastric cancer cells. Further research shows that SLC7A11 can be used as a target molecule of CTC-497E21.4 to influence the ferroptosis of gastric cancer cells, which clarifies the action mechanism of CTC-497E21.4 to regulate the ferroptosis of gastric cancer cells, and provides a new action target and technical support for targeted therapy of gastric cancer.



21: 2023/00371. 22: 2023/01/09. 43: 2023/08/11
51: C12Q
71: Academy Of Military Medical Science, Academy Of Military Science, People's Liberation Army Of China
72: Hao, LI, Yansong, SUN, Yanhe, WANG, Xue, DONG
33: WO 31: PCT/CN2021/099306 32: 2021-06-10
33: CN 31: 202010533739.4 CN 32: 2020-06-12
54: A LINE ELIMINATION METHOD IMMUNOCHROMATOGRAPHIC TEST PAPER AND ITS USE IN CRISPR NUCLEIC ACID DETECTION
00: -
The invention discloses a "line elimination" immunochromatographic strip and its application in CRISPR nucleic acid detection. The invention provides a kit, including the following: 1)

Immunochromatographic strip, the immunochromatographic strip includes a sample pad containing a colloidal gold-labeled antibody, an NC membrane containing a T line and a C line, and a absorbent pad in sequence in the flow direction of the sample; the T line is formed by streptavidin; the C line is formed by a secondary antibody of the colloidal gold-labeled antibody; 2) a CRISPR reaction system, the CRISPR reaction system includes a reporter RNA, a crRNA and a Cas protein; the Cas protein is the Cas protein in the class II type V or VI CRISPR system. The experiments of the invention have proved that by combining the CRISPR nucleic acid detection system, the strip in the kit can realize the detection of various specific nucleic acids (pathogens, genes mutations, drug resistance mutations, etc.) with high sensitivity, high specificity, and convenient detection.

21: 2023/00424. 22: 2023/01/10. 43: 2023/08/11
51: A46B
71: FRYER, Peter Lee
72: FRYER, Peter Lee
33: ZA 31: 202200415 32: 2022-01-10
54: FINGERPRINT FORENSICS
00: -
The invention relates a powder brush, which includes a body having mounting means for mounting a powder cartridge thereon and a brush head assembly attachable to an operative front end of the body. The brush head assembly defines a bristle mounting means capable of retaining a plurality of circumferentially arranged bristles therein. Furthermore, the powder brush includes a powder dispensing arrangement, in use, operable selectively to dispense powder from the powder cartridge onto the plurality of bristles. The dispensing arrangement includes an agitator disposed inside the powder cartridge, which cartridge includes a biasing means operable to bias the agitator towards a closed and open position. The bristles comprise of features, in particular, ostrich feathers of which a stem portion is secured to the brush head assembly.

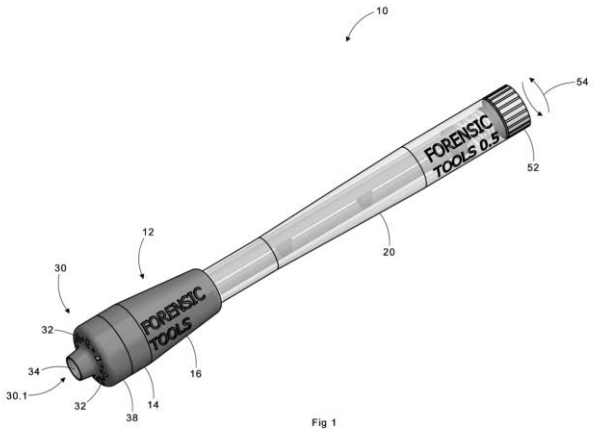
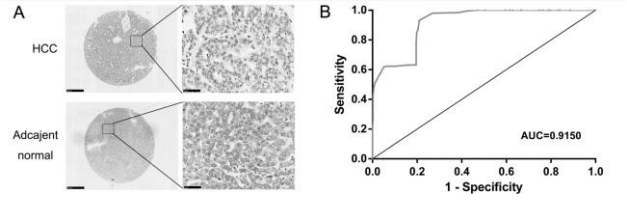


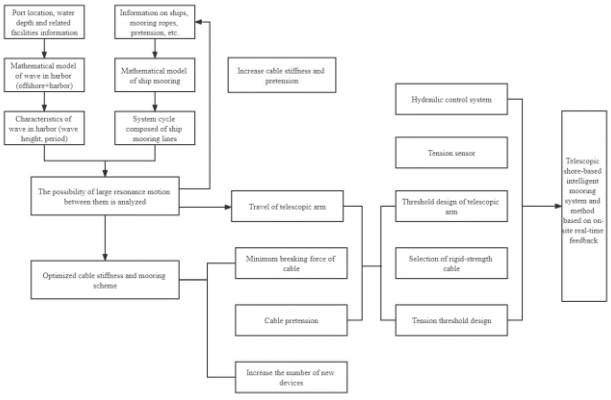
Fig 1

21: 2023/00426. 22: 2023/01/10. 43: 2023/08/11
51: C12N; C12Q
71: Affiliated Hospital of Nantong University
72: WANG Yan, JIANG Chunyi, HE Xin, JIN Qin, ZHANG Shu
33: CN 31: 2022107603875 32: 2022-06-29
54: APPLICATION OF MOGAT2 IN PREPARATION OF PRODUCTS FOR DIAGNOSIS AND PROGNOSIS OF HEPATOCELLULAR CARCINOMA
00: -
The invention discloses an application of MOGAT2 in the preparation of products for diagnosis and prognosis of hepatocellular carcinoma, and relates to the field of molecular markers. It also discloses an application of a reagent for detecting the expression level of MOGAT2 in preparing a kit for predicting the prognosis of patients with hepatocellular carcinoma. According to the invention, the low expression of MOGAT2 in hepatocellular carcinoma tissues and the high expression of MOGAT2 in paracancerous normal liver are verified by experiments, and the diagnosis and/or prognosis of hepatocellular carcinoma are judged by detecting the expression level of molecular marker MOGAT2, and this supplements and improves the deficiency of the current screening strategy for diagnosis and prognosis of hepatocellular carcinoma.



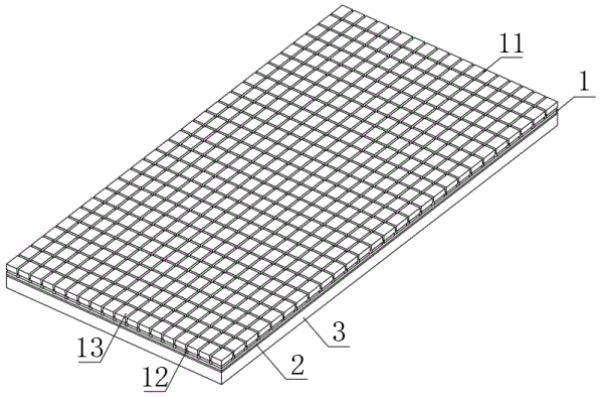
21: 2023/00484. 22: 2023/01/11. 43: 2023/08/16

51: B63B
71: Tianjin Research Institute for Water Transport Engineering,M.O.T.
72: Wenjun SHEN, Hanbao CHEN, Huaqing ZHANG, Songgui CHEN, Yiyun CHU, Jielong HU, Mingyang LIU, Gelin KANG, Yingni LUAN, Baolei GENG, Feng GAO, Ruijia JIN, Zhonghua TAN, Yajing ZHANG, Huili YANG, Zuoda QI
33: CN 31: 2021114951750 32: 2021-12-08
54: SHORE-BASED INTELLIGENT MOORING SYSTEM AND METHOD BASED ON ON-SITE REAL-TIME FEEDBACK
00: -
The invention relates to the technical field of ship berthing, in particular to a shore-based intelligent mooring system and method based on on-site real-time feedback, which comprises a hydraulic control system, a tension sensor, a telescopic arm threshold design module, a high-strength cable selection module and a tension threshold design module, wherein the hydraulic control system is in signal connection with an external main controller, the output end of the tension sensor is in signal connection with the input end of the hydraulic control system, and the telescopic arm threshold design module is in signal connection with the external main controller. According to the shore-based intelligent mooring system and method based on on-site real-time feedback, by setting the tension sensor, the tension borne by the cable can be clearly known, so that the hydraulic control system can control the cable to pay out or take up, so that the cable is always in the set safe tension range, which not only avoids the occurrence of cable relaxation, but also avoids the occurrence of excessive tension, and ensures the safe use of the cable.

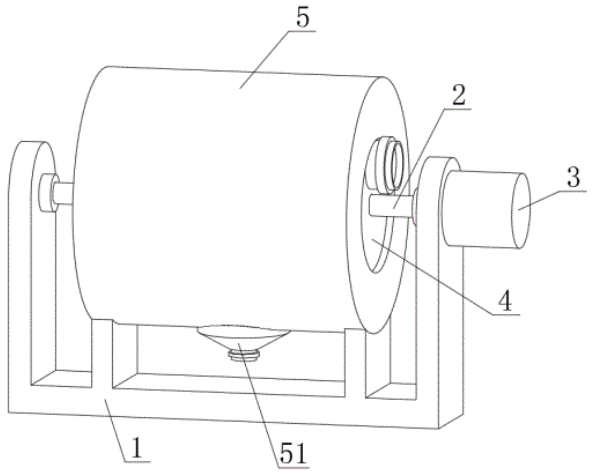


21: 2023/00485. 22: 2023/01/11. 43: 2023/08/11

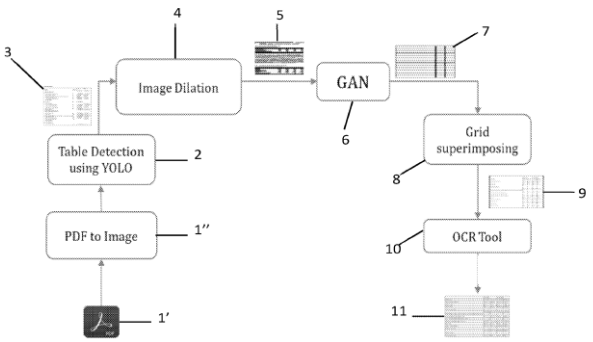
51: B24B
71: Anhui Hechen New Materials Co., Ltd
72: Li Jiahai, Yang Huiming, Li Yuanxiang
33: CN 31: 202211338145.3 32: 2022-10-08
54: A DAMPING CLOTH FOR POLISHING INFRARED ASPHERIC SURFACE OPTICAL ACCESSORY AND PREPARATION METHOD THEREOF
00: -
A damping cloth for polishing infrared aspheric surface optical accessory and preparation method thereof, relates to the technical field of damping cloth. A damping cloth for polishing infrared aspheric surface optical accessory, comprising a damping cloth surface layer, a hot melt adhesive layer and a damping cloth base layer, wherein the damping cloth surface layer is connected to the damping cloth base layer by the hot melt adhesive layer, deformation grooves and drainage grooves are provided on the damping cloth surface layer, the lower end of the deformation groove is connected with the upper end of the drainage groove, the deformation groove separates the upper surface of the damping cloth surface layer into abrasive blocks distributed in array. A preparation method of the damping cloth for polishing infrared aspheric surface optical accessory in the invention, by grooving deformation grooves and drainage grooves on the surface of the damping cloth surface layer, and arranging deformation holes on the damping cloth base layer, when the damping cloth surface layer and the damping cloth base layer are bent, the deformation space is realized, which prevents wrinkles from appearing on the surface of the damping cloth surface layer, and avoids scratches on the infrared aspheric surface optical accessory.



21: 2023/00498. 22: 2023/01/11. 43: 2023/08/11
51: B30B
71: Anhui Hua'an Food Co., Ltd
72: Wang Hao, Li Jun
33: CN 31: 202211142274.5 32: 2022-09-20
54: A SECONDARY PROCESSING DEVICE FOR SESAME CRUSHING AND A METHOD THEREOF
00: -
A secondary processing device and method for filter residue of pressed sesame, relates to the technical field of edible oil production equipment, comprising a support base. A traction shaft is arranged on the upper end of the support base, a rotating inner cylinder is installed on the traction shaft, a fixed outer cylinder is arranged on the periphery of the rotating inner cylinder, and filter residue processing components are arranged on the inner side of the rotating inner cylinder. To solve the problem that if no secondary processing is performed on the filter residue of pressed sesame, part of the sesame oil contained in the filter residue of pressed sesame cannot be fully utilized, which is a waste of resources, the secondary processing device and method for filter residue of pressed sesame makes use of filter residue processing components to crush the filter residue of pressed sesame. Cooperating with the rotation of the rotating inner cylinder, the filter residue of pressed sesame in the rotating inner cylinder rolls and hits, thereby the sesame oil remaining in the filter residue of pressed sesame is separated from the filter holes into the fixed outer cylinder and discharged through the oil discharge port. Part of the sesame oil contained in the filter residue of pressed sesame can be fully utilized to save resources.

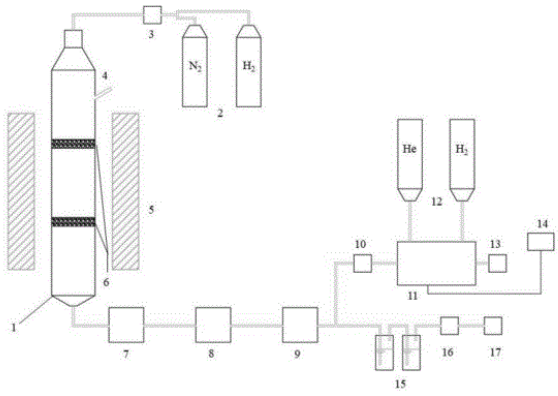


21: 2023/00501. 22: 2023/01/11. 43: 2023/07/19
51: G06F
71: MORNINGSTAR INC.
72: KOTWAL, Vaibhav, DESHPANDE, Swapnil, YADAV, Kartik, GAWADE, Tushar, NIKHIL, Sule, SHARIQ, Ahmad
33: EP 31: 20180937.3 32: 2020-06-18
54: METHOD, COMPUTER SYSTEM AND COMPUTER PROGRAM PRODUCT FOR IMPROVED TABLE PROCESSING
00: -
In a first aspect, the invention pertains to a computer-implemented method for improved grid-less table processing. In a second and third aspect, the invention pertains to a computer system and a computer program product for improved grid-less table processing. In a fourth aspect, the invention pertains use of any of the method, system or product for document parsing.



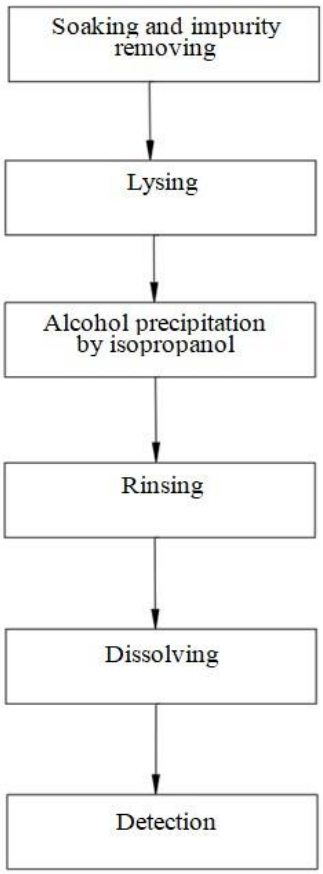
21: 2023/00550. 22: 2023/01/12. 43: 2023/08/11
51: B01J; G01N
71: Harbin Institute of Technology
72: Jun ZHANG, Houyu JIN, Linlin YIN, Zhengrui CHEN

33: CN 31: 202111661041.1 32: 2021-12-30
54: A PREPARATION METHOD OF A CATALYST FOR EFFICIENT CATALYTIC CRACKING OF SLUDGE PYROLYSIS TAR, ITS APPLICATION AND REAL-TIME DETECTION SYSTEM
00: -
The invention discloses a preparation method of a catalyst for efficient catalytic cracking of sludge pyrolysis tar, its application and real-time detection system, which belongs to the field of perovskite catalyst preparation and catalytic technology. The invention adopts a two-step sol-gel method to prepare a catalyst of Ni and Co bimetallic oxides supported on the surface of a perovskite oxide as a carrier. The metal ions are supported inside the carrier by the confinement effect of the perovskite oxide, and the oxygen negative ions inside the catalyst react with the surface area carbon, which can effectively reduce the influence of the active metal sintering of the catalyst and the surface area carbon covering the active site on the catalytic activity of the catalyst, and improve the anti-deactivation ability of the catalyst. The invention constructs a pyrolysis tar detection system, which can realize online detection of pyrolysis tar produced at any time, realize the real-time and accurate analysis of the content information of each component in pyrolysis tar, and realize real-time detection of the material composition and content in sludge pyrolysis gasification tar.



21: 2023/00648. 22: 2023/01/16. 43: 2023/07/18
51: C12N
71: NINGXIA TECHNICAL COLLEGE OF WINE AND DESERTIFICATION PREVENTION
72: GAO, Xuehua, ZHANG, Xiaodong, WANG, Dongping, ZHANG, Xia, WEI, Jili, TANG, Xuefeng

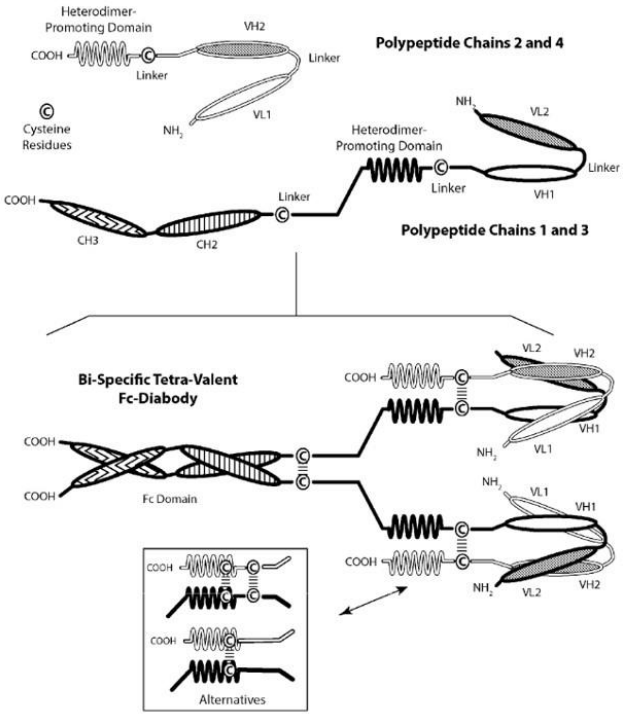
54: TECHNOLOGY FOR EXTRACTING DNA OF LONG-SOAKED BEETLE LARVAE
00: -
The present invention provides a technology for extracting DNA of long-soaked beetle larvae, and relates to the technical field of DNA extraction. The technology includes the following steps: S1: soaking and impurity removing: selecting a single beetle larva organism; dissecting the beetle larva by a dissecting needle; extruding intestinal tracts of the beetle larva as much as possible to avoid interference of impurities such as digestive substances in the intestinal tracts on subsequent experimental detection results in a later detection process; soaking the beetle larva with distilled water for a long time, and changing the distilled water once every a period of time; and changing the distilled water for three times in total to comprehensively remove the impurities on the beetle larva.



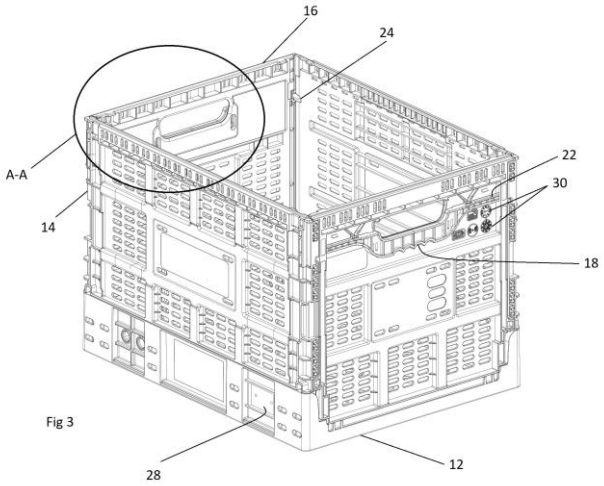
21: 2023/00805. 22: 2023/01/18. 43: 2023/08/21
51: E21B

71: DDT MECHANISED MINING SERVICE (PTY) LTD
72: VAN NIEKERK, DENNIS
54: DRILL SUPPORT
00: -
A drill support which includes a carrier member which includes a stem, a first mounting formation, on a first side of the stem, for mounting a first actuator mechanism which has a drill mounting formation for mounting a drill, a second mounting formation, on a second side of the stem which is opposite to the first side, for mounting a second actuator mechanism, and a support structure which includes a fork which in use carries the carrier member, and wherein the first actuator mechanism is operable to displace the drill to allow drilling into a rock face, and the second actuator mechanism includes a piston and cylinder arrangement which is operable to exert a counteractive force onto the rock face thereby to inhibit a tendency of the drill to rotate about the fork when drilling into the rock face takes place.

21: 2023/00822. 22: 2023/01/18. 43: 2023/08/21
51: C07K
71: MACROGENICS, INC.
72: Bradley James SUMROW, Ezio BONVINI, Sharad SHARMA, Jon Marc WIGGINTON, Alexey Yevgenyevich BEREZHNOY
33: US 31: 63/057,054 32: 2020-07-27
33: US 31: 63/177,036 32: 2021-04-20
33: US 31: 63/219,066 32: 2021-07-07
54: METHODS FOR THE USE OF A PD-1 X CTLA-4 BISPECIFIC MOLECULE
00: -
The present invention is directed in part to dosing regimens for administering a PD-1 x CTLA- 4 bispecific molecule for the treatment of cancer, and other conditions. The invention is directed in part 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 or to stimulate immune cells.



21: 2023/00896. 22: 2023/01/20. 43: 2023/08/11
51: B65B; B65D
71: BIT PLASTIC (PTY) LTD
72: Vitor Medeiros
54: A COLLAPSIBLE CRATE
00: -
A collapsible crate comprising a base, two pairs of opposing side walls being hingedly attached to the base, the walls are movable between a collapsed and upright position, wherein the walls releasably secure to one another in an upright wall position through a securing means. The securing means being at least one of a snap-fit mechanism, a clamping means, a magnetic locking means or a screw means. The crate comprises a second handle securing means located on at least one wall, wherein the handle is used to releasably lock the walls into a secured position. The underside of the crate base comprises a plurality of feet which are shaped and dimensioned to enable the cross-stacking and interlocking of other crates.



21: 2023/00897. 22: 2023/01/20. 43: 2023/08/11
51: C12Q; G06K; G16B
71: Guang'anmen Hospital, China Academy of Chinese Medical Sciences
72: Yuanhui, Hu, Yuguang, Chu, Jingjing, Shi, Shuqing, Shi, Qihua, Liu, Yanyun Wang
33: CN 31: 202210106899.X 32: 2022-01-28
54: ANALYSIS DEVICE AND METHOD FOR IMPROVING ATRIAL FIBRILLATION MYOCARDIAL FIBROSIS WITH QIPO SHENGMAI COMPOSITION BASED ON SPATIAL TRANSCRIPTOME TECHNOLOGY
00: -
An analysis device and method for improving atrial fibrillation myocardial fibrosis with a Qipo Shengmai composition based on a spatial transcriptome technology, including a spatial transcription module, an expression change differential gene screening module, a dimension reduction processing module, a clustering analysis module, a clustering differential gene set screening module, a main differential cluster screening module and an analysis module. A spatial transcriptome technology is adopted to carry out spatial transcription sequencing on myocardial tissue sections of animals in a normal group, a model group and a Qipo Shengmai group, and utilizing spatial transcription sequencing data for subsequent analysis, screening highly variant genes, dimension reduction, clustering processing, and performing enrichment analysis on the differential genes of each cluster, and comparing the results of the enrichment analysis to obtain the main differential clusters, and finally performing enrichment analysis on the characteristic differential genes of the main differential clusters.

21: 2023/01131. 22: 2023/01/27. 43: 2023/08/04
51: A61K; A61P
71: TARATE, Vivek, Subhash, GUNJAL, Sachinkumar, Dnyaneshwar, GALGATTE, Upendra Chandrakant, MEHTA, Preeti, Prashant, DEORE, Sunita, Sumit, DEORE, Sumit, Ramakant, KAVITAKE, Shrikant Shivaji, KORPALE, Snehal, Nivas
72: TARATE, Vivek, Subhash, GUNJAL, Sachinkumar, Dnyaneshwar, GALGATTE, Upendra Chandrakant, MEHTA, Preeti, Prashant, DEORE, Sunita, Sumit, DEORE, Sumit, Ramakant, KAVITAKE, Shrikant Shivaji, KORPALE, Snehal, Nivas
54: SOLID LIPID NANOPARTICLES (SLN) OF ARTEMISININ BY USING EMULSION SOLVENT DIFFUSION (ESD) METHOD
00: -
The present invention relates to composition comprising Solid Lipid Nanoparticles (SLN) of Artemisinin and other pharmaceutical acceptable excipients. Further invention relates to process for preparation of composition comprising Solid Lipid Nanoparticles of Artemisinin by using Emulsion Solvent Diffusion (ESD) method. Yet another invention relates to use for the treatment of malarial and parasitic worm (helminth) infections.

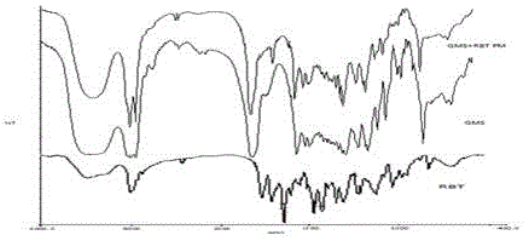
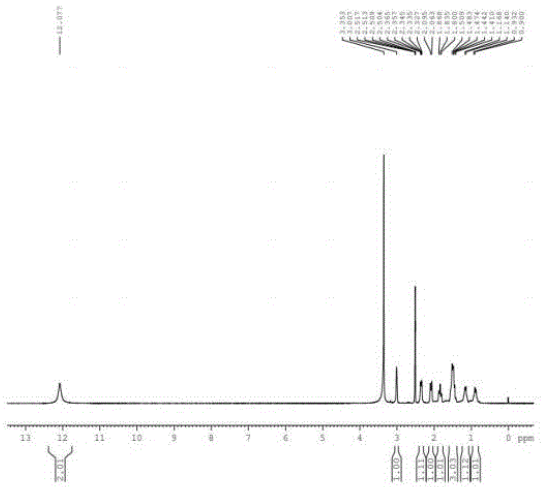


Figure 1.FT-IR spectra for ART, GMS and GMS+ART PM

21: 2023/01273. 22: 2023/01/31. 43: 2023/08/16
51: C02F
71: HEBEI HAILI FRAGRANCES CO., LTD
72: SHAO, Shuai, ZHANG, Yuntang, LI, Wenge, ZHANG, Yufen, WANG, Jingxiao, WANG, Feiyang, YAN, Qin, WANG, Xiao, LIU, Tiecheng
54: METHOD FOR PREPARING 3,3',4,4'-DICYCLOHEXYLTETRACARBOXYLIC ACID AND METHOD FOR TREATING ACIDIC WASTEWATER
00: -
The disclosure relates to the technical field of organic synthesis, and provides a method for preparing 3,3',4,4'-dicyclohexyltetracarboxylic acid

and a method for treating an acidic wastewater. In the preparation method according to the present disclosure, a ruthenium-rhodium mixed catalyst is used to catalyze the hydrogenation reduction reaction, which improves the selectivity of the reaction and reduces the generation of isomers, thereby reducing the generation of by-products and increasing the purity of 3,3',4,4'-dicyclohexyltetracarboxylic acid. The results of the examples show that the purity of 3,3',4,4'-dicyclohexyltetracarboxylic acid prepared by the method according to the present disclosure is not less than 99.62 %.



21: 2023/01842. 22: 2023/02/15. 43: 2023/08/21
51: A23K
71: HUNAN ACADEMY OF FORESTRY
72: DENG, Wan, LI, Mi, YUAN, Dongju, ZHONG, Wuhong, HE, Zhen, YU, Jinxiu, XIE, Yifei
54: MYTHIMNA SEPARATA (WALKER) FEED AND PREPARATION METHOD THEREOF
00: -
The present invention discloses a Mythimna separate (Walker) feed and a preparation method thereof, and belongs to the technical field of animal feed. The Mythimna separata (Walker) feed disclosed by the present invention comprises grass meal, wheat bran, wheat germ, agar, beer yeast, white sugar, potassium sorbate, sodium methylparaben and vitamin C. The Mythimna separata (Walker) feed disclosed by the present invention can shorten duration of Mythimna separata (Walker), increase the number of annual successive feeding generations, increase an egg laying amount, increase a hatching rate, increase an eclosion rate, and reduce the cost as a whole; and the preparation method of the Mythimna separata (Walker) feed of the present invention is simple, time-saving, labor-saving and low in price.

21: 2023/02771. 22: 2023/02/27. 43: 2023/07/18
51: B66D
71: HYETT, Andrew
72: HYETT, Andrew
33: ZA 31: 2021/09602 32: 2021-11-26
54: LIFTING DEVICE
00: -
The invention relates to a lifting device which includes a base member; and a receiving formation arranged on the base member which is configured to receive and/or engage a base portion of a ladder; and a hoisting means for hoisting an article to a desired height above a ground surface.

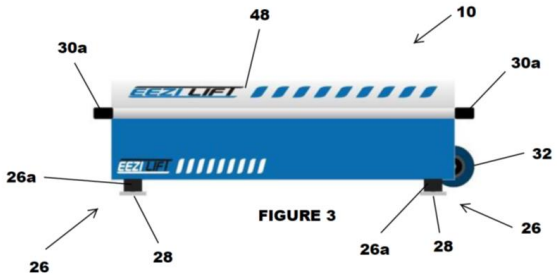
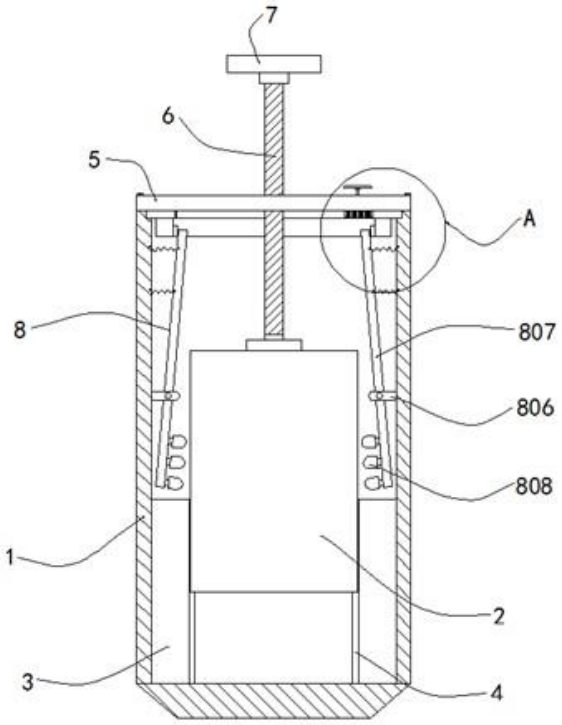


FIGURE 3

21: 2023/02799. 22: 2023/02/27. 43: 2023/07/19
51: G01N
71: GANSU MINQIN DESERT COMBATING COMPREHENSIVE EXPERIMENT STATION, GANSU EARTHQUAKE AGENCY (LANZHOU EARTHQUAKE RESEARCH INSTITUTE)
72: ZHANG, Huiwen, TANG, Jinnian, WU, Zhen, LIU, Shiquan, QI, Fujun
54: SAMPLING DEVICE AND METHOD FOR SOIL SAMPLES FOR REDUCING WATER ISOTOPE FRACTIONATION
00: -
Disclosed is a sampling device and method for soil samples for reducing water isotope fractionation, comprising an outer cylinder; a movable sampling cylinder inside the outer cylinder; a limiting ring fixed at the bottom end of the inner wall of the outer cylinder; guide bars are arranged on the ends of the inner wall of the limiting ring; the top end of the outer cylinder is fixed with an end cover by a bolt; the top end of the sampling cylinder is rotatably connected

with a screw rod penetrating through the end cover by a bearing. After the sampling, the sampling cylinder is completely moved into the outer cylinder, to prevent the staff from contacting the sample. The striking mechanism is arranged in the outer cylinder, samples are taken out of the sampling cylinder by striking, reduce the serious impact caused by water isotope fractionation due to human factors.



21: 2023/03022. 22: 2023/02/28. 43: 2023/04/24
51: B65D
71: THRACE PLASTICS PACK SA
72: MICHAILIDIS, Michail
33: GR 31: 20220100513 32: 2022-06-24
54: PAPER LID FOR BEVERAGE UTENSIL
00: -
A lid (22) for a cup (20) has a central wall (13) with a perimeter and a side wall (16) extending along the perimeter and at an angle to the central wall (13). The side wall (16) has an outer wall (12) and a fold (19) and extends from the central wall (13) and at an angle with respect to it. The lid (20) is formed of a unique flat sheet of recyclable material and the fold (19) is flat and extends from the outer wall (12) towards the central wall (13). The lid (22) is made of a sheet of paper (cardboard) that does not contain polymers or other non-recyclable materials. Such materials are usually used in known lids to offer stability to the structure. The design of the lid makes it easy to store multiple lids in a relatively small space.

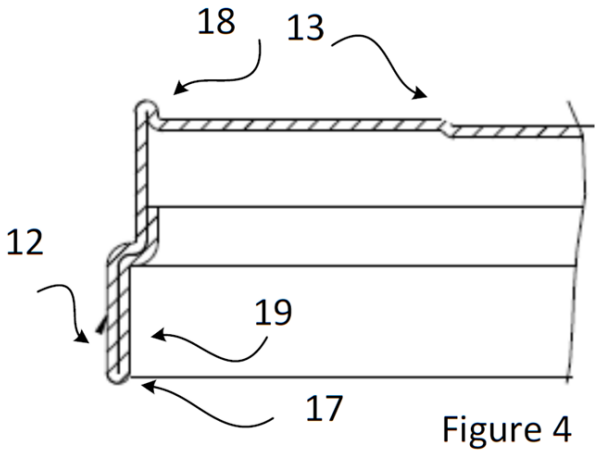
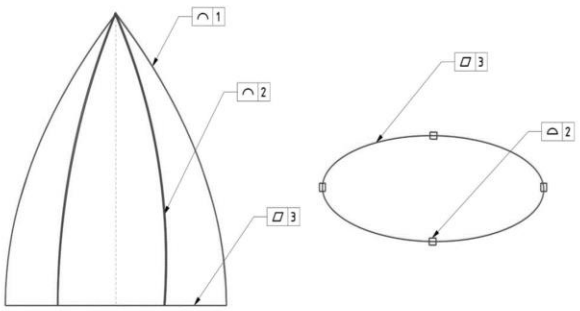
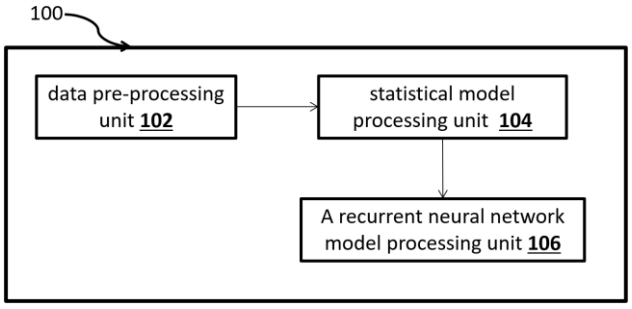


Figure 4

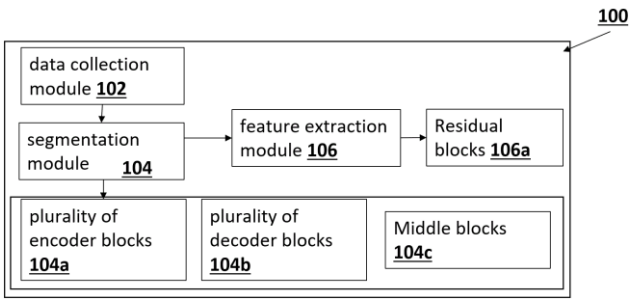
21: 2023/03297. 22: 2023/02/28. 43: 2023/08/17
51: B64C
71: DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, SONAWWANAY, Puskaraj D., RAIBOLE, Krish Vijay, KARLEKAR, Chinmay Sagar
72: SONAWWANAY, Puskaraj D., RAIBOLE, Krish Vijay, KARLEKAR, Chinmay Sagar
54: SLOTTED ONE-HALF POWER LAW NOSE CONE FOR AEROSPACE APPLICATIONS
00: -
The present invention relates to slotted one-half power law nose cone for aerospace applications. The invention focuses on providing a substitute or a variation for the current nose cone in use throughout aerospace and aeronautical applications. By implementing slots based on helical or elliptical or parabolic or one half power law curves along the outer surface of the nose cone, originating from the uppermost tip and extending to the elliptical base of the nose cone. Field- Related to nose cones of missiles, aircraft, and other aerodynamic bodies, with slots engraved on the conical surface along some curve equation to increase aerodynamic efficiency.



21: 2023/03298. 22: 2023/02/28. 43: 2023/08/17
51: G06Q
71: Dr. Priti Das, Sukriti Patty, Nibha Rani, Chandransh Singh, Dr. Tanmoy Malakar
72: Dr. Priti Das, Sukriti Patty, Nibha Rani, Chandransh Singh, Dr. Tanmoy Malakar
54: A TWO-STAGE HYBRID PREDICTION SYSTEM FOR DEALING WITH UNCERTAIN VARIABLES
00: -
The present disclosure relates to a two-stage hybrid prediction system for dealing with uncertain variables. For more effective and improved prediction, the present disclosure offers a novel hybrid prediction system that integrates the sARIMA (statistical) and GRU (deep-learning based) models. The suggested system incorporates a standard time series sARIMA model, which is capable of capturing temporal aspects including tendency and periodicity. Moreover, the deep learning GRU model is used to represent the stochasticity and dynamic temporal properties of multivariate time series. With the incorporation of both the models, it has been found out that the proposed system is able to accurately predict data from historical datasets, because of the special strengths of linear and non-linear models.

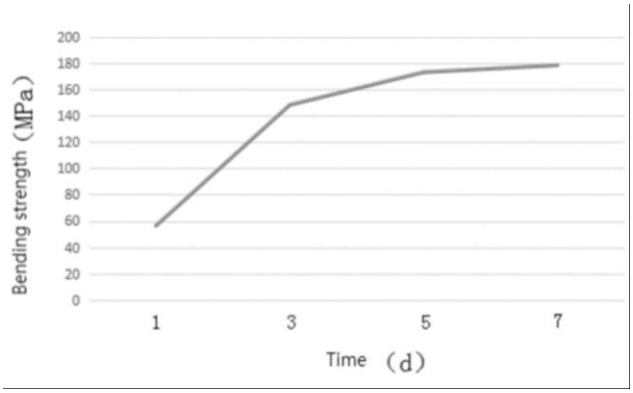


21: 2023/03302. 22: 2023/02/28. 43: 2023/08/17
51: A61B
71: Arnab Kumar Mishra, Dr. Pinki Roy, Dr. Sujit Kumar Das
72: Arnab Kumar Mishra, Dr. Pinki Roy, Dr. Sujit Kumar Das
54: A MULTI-TASK LEARNING BASED SYSTEM FOR BREAST CANCER DETECTION AND CLASSIFICATION AND A METHOD THEREOF
00: -
A Multi-Task Learning based System (100) and method (200) for Breast Cancer Detection and Classification, comprises of: a dataset collection module (102) for collecting a plurality of data from at least a database consisting of a plurality of breast ultrasound image; a segmentation module (104) for segmenting ultrasound tumor regions from the plurality of data, wherein the segmentation module comprises of a plurality of encoder blocks, a plurality of decoder blocks and a middle block to generate a plurality of feature maps, wherein the segmentation module is configured to: learn a latent representation of the input image and then expand compact latent representation into a region of interest (ROI)-specific representation using a mix of pixel-wise binary cross entropy and dice loss functions; and a classification module (106) for classifying the plurality of feature maps, wherein the classification module comprises of a plurality of residual blocks for detecting breast cancer.



21: 2023/03471. 22: 2023/03/10. 43: 2023/07/18
51: C04B
71: Jiangsu College Of Safety Technology
72: Zhu Chao
54: CONCRETE MATERIAL PREPARED FROM MAGNETIZED MINE WATER AND PREPARATION METHOD THEREOF
00: -
The invention relates to the technical field of building materials, in particular to a concrete material prepared from magnetized mine water and a preparation method and application thereof. The concrete material prepared from magnetized mine

water is made from the following raw materials by weight: 380-440 parts of cement, 70 to 170 parts of admixture, 40-50 parts of phenolic resin I, 80 to 120 parts of flame-retardant fiber, 6 to 11 parts of water reduce agent, 150 to 230 parts of magnetized mine water; The flame-retardant fiber is prepared from polyamide, phenolic resin and aluminum hydroxide, the polyamide and the phenolic resin are blended to prepare spinning solution. The aluminum hydroxide is added into the spinning solution, and the flame-retardant fiber is obtained after electrostatic spinning. According to the invention, the cement, the admixture, the flame-retardant fiber, the water reducing agent and the magnetized mine water are used as raw materials to prepare the concrete material with flame retardancy and high strength, and the technical defect that the magnetized mine water needs to be treated for secondary utilization is overcome.

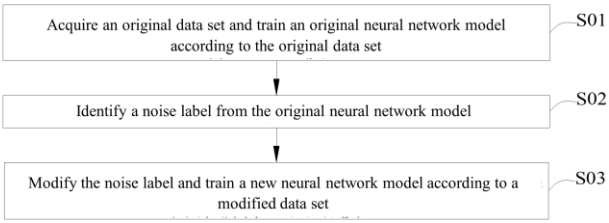


21: 2023/03562. 22: 2023/03/13. 43: 2023/07/19
51: G06N
71: THE CHINESE UNIVERSITY OF HONG KONG, SHENZHEN
72: LI, Zhen, ZHANG, Minqing
33: WO 31: PCT/CN2020/108381 32: 2020-08-11

54: METHOD, DEVICE, STORAGE MEDIUM AND APPARATUS OF TRAINING A NEURAL NETWORK MODEL

00: -

The present invention is applicable to the technical field of model training. Provided are a neural network model training method, device and system. The method includes: acquiring an original data set and training an original neural network model according to the original data set; identifying a noise label from the original neural network model; and modifying the noise label and training a new neural network model according to a modified data set. The present invention is performed by training an original neural network model from an original data set first, and identifying a noise label in the original neural network model, thereby determining an erroneous label in the original data set, after modifying the erroneous label, finally training a new neural network model according to a modified data set, thus has high accuracy and good interpretability as the erroneous label is directly determined from the network model and modified, so that a new neural network model obtained through final training has a better anti-interference effect.



21: 2023/03591. 22: 2023/03/15. 43: 2023/08/17
51: A23G
71: INSTITUTE OF HIGHLAND FOREST SCIENCE, CHINESE ACADEMY OF FORESTRY
72: WANG, Youqiong, ZHANG, Zhongquan, MA, Liyi, XIE, Zhenghua

54: SELENIUM-ENRICHED MORINGA OLEIFERA TABLET CANDY AND PREPARATION METHOD THEREOF

00: -

The present invention discloses a selenium-enriched Moringa oleifera tablet candy, which comprises the following raw materials in parts by weight: 5-70 parts of dried selenium-enriched edible fungi powder, 5-70 parts of Moringa leaf powder, 5-10 parts of sweetening agent, 0.1-0.5 part of acid agent and 10-20 parts of maltodextrin. The present invention further discloses a preparation method of the selenium-enriched Moringa oleifera tablet candy, which specifically includes the following steps: (1) weighing raw materials; (2) mixing the materials; (3) tabletting; (4) packaging; (5) performing quality detection; and (6) warehousing. The selenium-enriched Moringa oleifera tablet candy of the present invention is convenient to eat and fine and smooth in taste, and has various health-care functions of lowering blood pressure, reducing blood grease and

reducing blood sugar, resisting tumors, resisting oxidation, improving sleep, enhancing immunity and removing toxicity.

21: 2023/03787. 22: 2023/03/23. 43: 2023/07/18
51: G08B; H02J
71: GUANGDONG GENIAL TECHNOLOGY CO., LTD.
72: SHU, Chang
54: CIRCUIT, METHOD, AND OXIMETER FOR INDICATING POWER SUPPLY BY APPLYING DOUBLECOLOR LIGHT-EMITTING DIODE
00: -
A circuit, method, and oximeter for indicating a power supply by applying a double-color light-emitting diode. The circuit is applied in a finger clip type pulse oximeter, and comprises: an MCU module U1; a double-color light-emitting diode D1 connected to the MCU module U1; a voltage measurement module connected to the MCU module U1; a rechargeable battery module connected to the voltage measurement module; and a power supply input module connected to an external power supply and connected to the MCU module U1 and the rechargeable battery module. The MCU module U1 is suitable for controlling the double-color light-emitting diode D1 according to the states of the power supply input module and the rechargeable battery module, so that the finger clip type pulse oximeter has a visual effect where the human eyes can directly observe. The double-color light-emitting diode is configured for the finger clip type pulse oximeter equipment having a small display screen, so that a user can know about the power supply condition of the finger clip type pulse oximeter more intuitively.

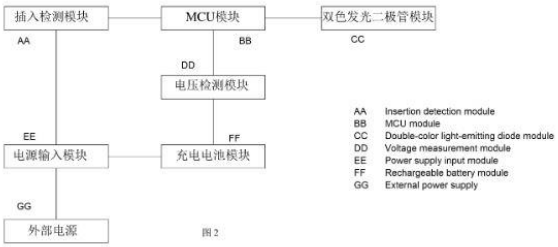
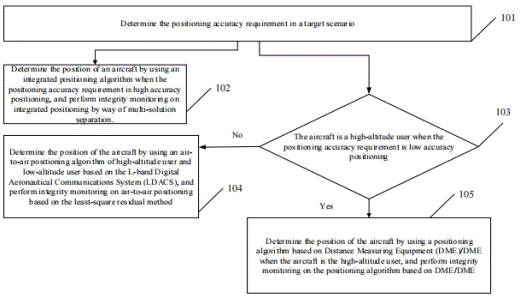


图 2

21: 2023/03851. 22: 2023/03/27. 43: 2023/08/16
51: G01C
71: BEIHANG UNIVERSITY
72: WANG, Zhipeng, ZHU, Yanbo, HUANG, Siqi, FANG, Kun
54: METHODS AND SYSTEMS FOR APNT POSITIONING AND INTEGRITY MONITORING IN AVIATION NAVIGATION NETWORK
00: -
Disclosed are methods and systems for Alternative Positioning, Navigation and Timing (APNT) positioning and integrity monitoring in an aviation navigation network. The methods includes: determining a positioning accuracy requirement in a goal-oriented scenario; determining the position of an aircraft by using an integrated positioning algorithm when the positioning accuracy requirement is high accuracy positioning, and performing integrity monitoring on integrated positioning by way of multi-solution separation; determining whether the aircraft is a high-altitude user when the positioning accuracy requirement is low accuracy positioning; and if not, determining the position of the aircraft by using an air-to-air positioning algorithm of high-altitude user and low-altitude user based on the L-band Digital Aeronautical Communications System (LDACS), and performing integrity monitoring on air-to-air positioning based on the least-square residual method.



21: 2023/03894. 22: 2023/03/28. 43: 2023/06/07
51: E01C; H05B
71: A.L.M. Holding Company
72: FREDERIXON, Drew J., HEHIR, Jacob G., JAEGER, Kenneth D., BYRNES, Michael R., REINKE, Gerald H., HEGG, Vernon R.
33: US 31: 62/869,305 32: 2019-07-01
54: MICROWAVE HEATING SYSTEM WITH SUPPRESSION TUNNEL AND RELATED FEATURES
00: -
A system for processing material, including at least one microwave generator, at least one microwave guide operatively connecting the at least one microwave generator to at least a first conveyor unit,

and the first conveyor unit provided in a first housing that comprises at least one opening configured to receive microwave energy via a first microwave guide. The first conveyor unit is configured to receive and process a quantity of material, which includes heating the material to a first temperature by applying microwave energy to the material within the first housing.

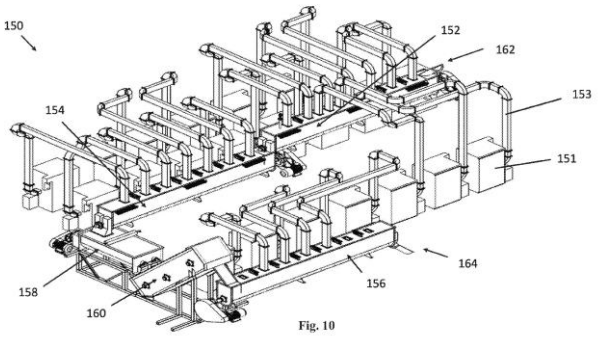
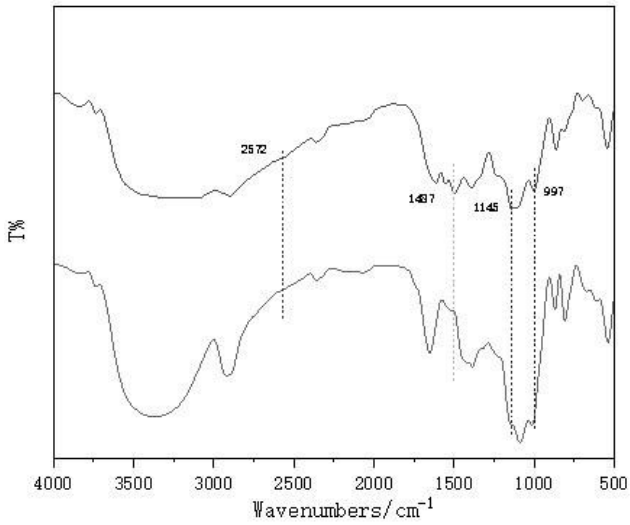


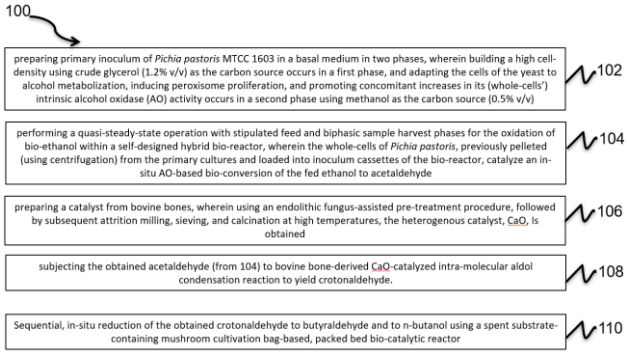
Fig. 10

21: 2023/04081. 22: 2023/03/30. 43: 2023/07/18
51: B03D
71: GENERAL RESEARCH INSTITUTE OF MINING & METALLURGY
72: LU, Liang, XIONG, Wei, ZHANG, Xingrong, ZHU, Yangge, WU, Meng, CHEN, Yannan
54: GUAR GUM-BASED COMPOUND AND PREPARATION METHOD THEREOF, ZINC-SULFUR SEPARATION INHIBITOR AND ZINC-SULFUR FLOTATION SEPARATION METHOD, FLOCCULANT AND APPLICATION THEREOF
00: -
The present application provides a guar gum-based compound and a preparation method thereof, a zinc-sulfur separation inhibitor and a zinc-sulfur flotation separation method, a flocculant and application thereof. The guar gum-based compound has a structural formula wherein R1-R9 independently represent hydrogen atoms or functional groups capable of interacting with metal ions; and at least one of R1-R9 is not H. The preparation method of the guar gum-based compound comprises: reacting guar gum with a compound containing functional groups capable of interacting with metal ions to obtain the guar gum-based compound. The zinc-sulfur separation inhibitor comprises the guar gum-based compound. The zinc-sulfur flotation separation method comprises: adding the zinc-sulfur separation inhibitor into pulp for flotation. The flocculant comprises the guar gum-based compound. The application of the flocculant refers to application in mineral processing or wastewater treatment. The guar gum-based compound provided by the present application has excellent flocculation effect and biocompatibility, and convenient synthesis.



21: 2023/04097. 22: 2023/04/03. 43: 2023/07/18
51: C10L
71: Pondicherry University
72: Navnit Kumar Ramamoorthy, Venkateswara Sarma Vemuri, Sudha Rani Sadras, Revanth Babu Pallam, Vinoth Vengadesan, Shovan Rakshit, Kabilan Subash Chandra Bose, Renganathan Sahadevan
54: A FACILE, SUSTAINABLE THROUGHPUT PROCESS FOR MICROBIAL BIO-TRANSFORMATION-AIDED BIO-CATAYTIC UPGRADATION OF BIO-ETHANOL TO BIO-BUTANOL
00: -
The present invention relates to a green, energy-efficient, readily-scalable, process-engineered, majorly microbial whole-cell bio-transformation-based, sustainable throughput, three-staged bio-catalytic upgradation of bio-ethanol to bio-n-butanol. The process comprises: the bio-oxidation of ethanol to acetaldehyde, performed within a self-designed hybrid bio-reactor, using whole-cells of a methylotrophic yeast in a quasi-steady-state operation with a stipulated feed design and biphasic sample harvest phases to facilitate optimal bio-conversion; preparation of a catalyst from bovine bones using an endolithic fungus-assisted pre-treatment procedure, which is followed by attrition

milling, sieving, and calcination at high temperatures to yield CaO; bovine bone-derived CaO-catalyzed intra-molecular aldol condensation of acetaldehyde to yield crotonaldehyde; and the in-situ reduction of crotonaldehyde to butyraldehyde and its subsequent carbonyl reduction to bio-n-butanol using a spent substrate-containing mushroom cultivation bag-based packed bed bio-reactor.

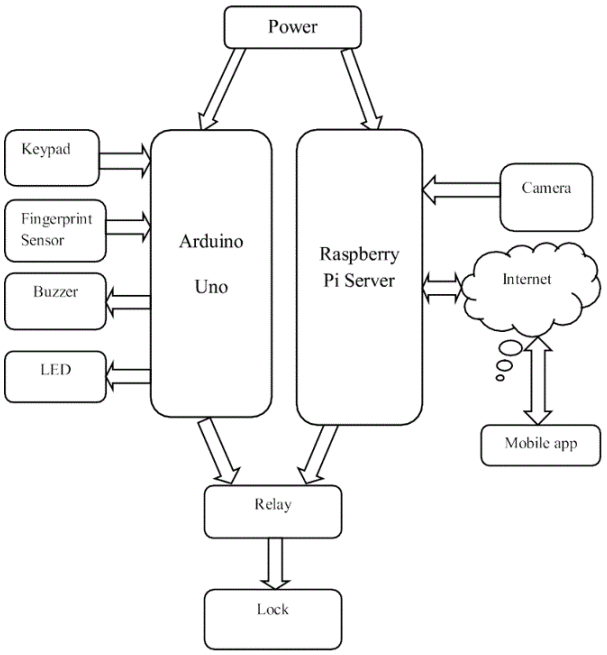


21: 2023/04282. 22: 2023/04/11. 43: 2023/08/04
51: G06F
71: SINGH, Avinyash, SINGH, Abhijeet, TIWARI, Paras, SINGH, Pushpendra, ANGRAM, Divyanshu, SHUKLA, Sheo Prasad, YADAV, Amit Kumar, KHAN, Mohd Tauseef
72: SINGH, Avinyash, SINGH, Abhijeet, TIWARI, Paras, SINGH, Pushpendra, ANGRAM, Divyanshu, SHUKLA, Sheo Prasad, YADAV, Amit Kumar, KHAN, Mohd Tauseef

54: AN IOT ENABLED SMART SECURITY SYSTEM AND METHOD TO PROTECT PRIVACY AS WELL AS PROPERTY

00: -

An IoT enabled smart security system (100) and method (200) to protect privacy as well as property and offers a multi-layered security for authorized users and remotely monitor for providing access to both authorized members and unauthorized members after secured authentication, that works in real time i.e. ranging from 2 seconds to 4 seconds with accuracy ranging from 99.5 % to 99.8% and comprising of a user interface platform (1), security module (2) and a controller (3).

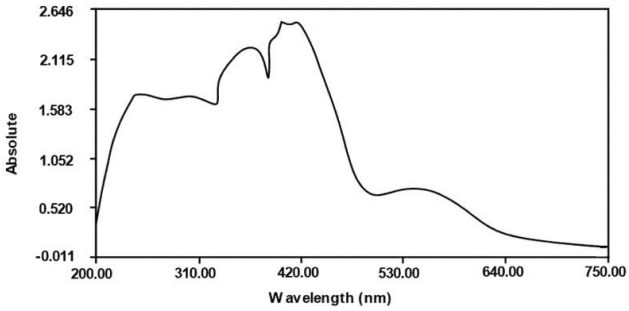


21: 2023/04312. 22: 2023/04/11. 43: 2023/08/04
51: A61K
71: DR. HUMA ALI, DR. SAVITA DIXIT
72: DR. HUMA ALI, DR. SAVITA DIXIT
33: IN 31: 202221006296 32: 2022-02-06

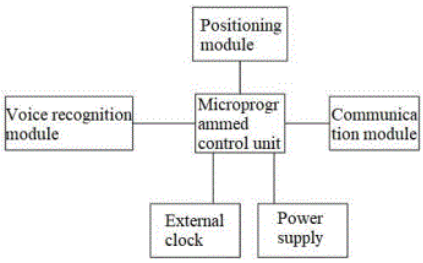
54: A HERBAL COMPOSITION

00: -

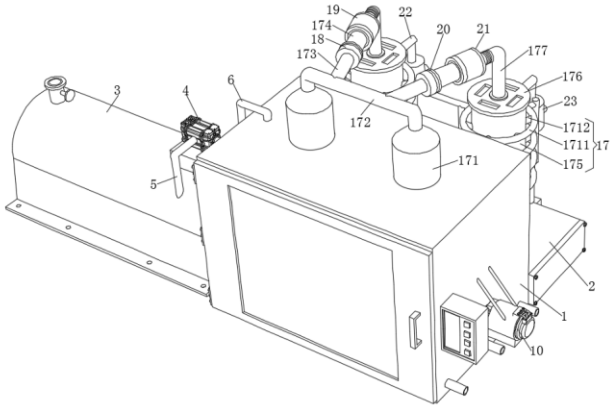
Disclosed is an herbal composition which when administered in a therapeutically amounts is effective for treatment of cancer, in particular, skin cancer. The herbal composition comprising Aloin in an amount in the range of 18 wt. % to 22 wt. %, Quercetin in an amount in the range of 18 wt. % to 22 wt. %, Rutin in an amount in the range of 18 wt. % to 22 wt. %, Palmatine in an amount in the range of 18 wt. % to 22 wt. %, and Stigmasterol in an amount in the range of 18 wt. % to 22 wt. %. The herbal composition is employed for treatment of skin cancer and is orally administered in an amount in the range of 300 mg/Kg to 500 mg/Kg of body weight three times per week for a time period in the range of 15 weeks to 20 weeks.



21: 2023/04366. 22: 2023/04/13. 43: 2023/07/18
51: G01S; G08B; G10L
71: JIMEI UNIVERSITY
72: FANG, Yinqing, LIAO, Jianbin, LAI, Lianyou, XU, Bihui, SHU, Jian
33: CN 31: 2022103904286 32: 2022-04-14
54: VEHICLE-MOUNTED SECRET LANGUAGE ALARM AND ALARM METHOD
00: -
Disclosed are a vehicle-mounted secret language alarm and an alarm method, which relate to the field of vehicle-mounted alarm. The vehicle-mounted secret language alarm includes a microprogrammed control unit, and a voice recognition module, a positioning module and a communication module connected to the microprogrammed control unit; the voice recognition module is used for matching a received secret language voice signal and set secret language, and sending an alarm request signal to the microprogrammed control unit if the matching is successful; the positioning module is used for detecting position information and speed information of an alarm person; and the microprogrammed control unit is used for acquiring the position information and the speed information when receiving the alarm request signal, generating an alarm instruction, and sending the position information, the speed information and the alarm instruction to an alarm platform by means of the communication module.



21: 2023/04519. 22: 2023/04/18. 43: 2023/07/18
51: B05B
71: ANHUI WOLONG PUMP & VALVE CO., LTD
72: MEI, Yitao, CHENG, Zhiqiang, WANG, Weilong, MEI, Jianfeng, HE, Jianjun, ZHONG, Guosheng, FENG, Qi, ZHANG, Xiao
33: CN 31: 202210613999.1 32: 2022-06-01
54: CENTRIFUGAL PUMP, PAINT SPRAY DEVICE FOR MACHINING OF SAME CENTRIFUGAL PUMP AND USE METHOD OF SAME PAINT SPRAY DEVICE
00: -
The present disclosure provides a centrifugal pump, a paint spray device for machining of the same centrifugal pump and a use method of the same paint spray device. The paint spray device includes a paint spray chamber and a storage tank; the paint spray chamber has a back face fixedly connected to a water collecting box; the storage tank is positioned at a left side of the paint spray chamber; the paint spray chamber has a bottom of an inner cavity thereof fixedly connected to a clamping seat; and the clamping seat has a centrifugal pump main body clamped therein; the storage tank has a right side of a top thereof fixedly connected to a first water pump through a bracket; the first water pump has a liquid inlet end communicated with a liquid suction pipe and one end of the liquid suction pipe penetrates into the storage tank; and the paint spray chamber is provided with an auxiliary mechanism that can absorb painting mist. According to the present disclosure, through the arrangement of the auxiliary mechanism, the pure water sprayed by multiple sets of spray pipes forms a water curtain to spray onto and settle stepwise the paint particles inside the paint mist, meanwhile, through the design of a filter cartridge and a first activated carbon filter plate, the formed paint particles may be captured for subsequent centralized treatment, improving the treatment effect of paint mist of the device.



21: 2023/04807. 22: 2023/04/26. 43: 2023/08/10
51: A61K; C07D; A61P
71: CHONGQING ACADEMY OF CHINESE MATERIA MEDICA
72: YANG, Yong, GUO, Yanlei, YANG, Dajian
54: NICOTINIC ACID DERIVATIVE A HAVING ANTI-INFLAMMATORY ACTIVITY AND ANTI-PLATELET AGGREGATION ACTIVITY, AND APPLICATION THEREOF
00: -
The present invention provides a nicotinic acid derivative A-type compound having anti-inflammatory activity. The structure of the compound is represented by the general formula (I), wherein R1 and R2 are different substitution sites of a main chain, and R1' and R2' are different substitution sites of a side chain. The nicotinic acid derivative A-type compound provided by the present invention has good anti-inflammatory, anti-tumor activity, and anti-platelet aggregation activity, is strong in selectivity, and has a good clinical application value.

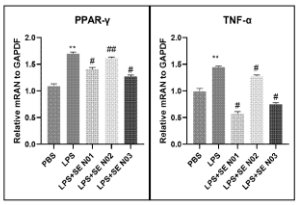
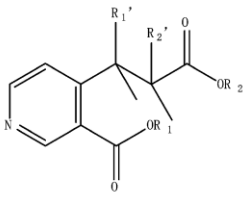


图 7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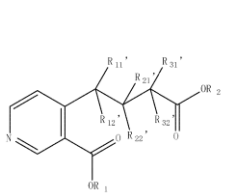
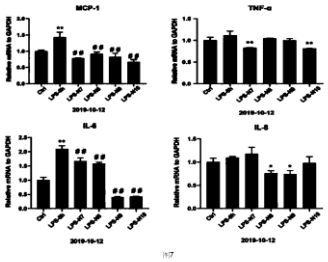
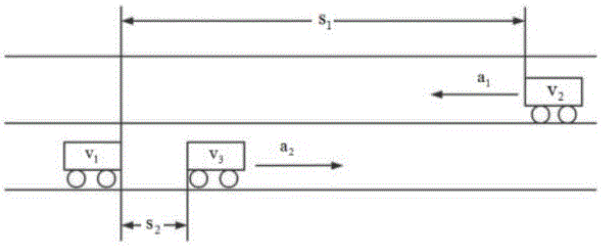
21: 2023/04808. 22: 2023/04/26. 43: 2023/08/10
51: C07D; A61P
71: CHONGQING ACADEMY OF CHINESE MATERIA MEDICA
72: GUO, Yanlei, YANG, Yong, YANG, Dajian
54: NICOTINIC ACID DERIVATIVE B HAVING ANTI-INFLAMMATORY AND IMMUNOSUPPRESSIVE ACTIVITY, AND USE THEREOF
00: -
Provided in the present invention is a nicotinic acid derivative B having an anti-inflammatory and immunosuppressive activity, and the structural general formula thereof is I, wherein, R1 and R2 are different substitution sites on a main chain, and R11', R21', R31', R12', R22', and R32' are different substitution sites on a side chain. The nicotinic acid derivative B compound provided in the present invention has a good anti-inflammatory and anti-autoimmune disease activity, and a high selectivity.





21: 2023/04860. 22: 2023/04/28. 43: 2023/08/16
51: B60W
71: CHANG'AN UNIVERSITY
72: HAN, Yi, ZHOU, Wenliang, GUAN, Tian, GE, Tian, WANG, Siyu, WANG, Haisen
33: CN 31: 202111606064.2 32: 2021-12-25
54: AUTONOMOUS OVERTAKING METHOD OF AUTONOMOUS VEHICLE AND SYSTEM THEREOF
00: -
The present disclosure discloses an autonomous overtaking method of an autonomous vehicle and a system thereof. First, traffic state information of an autonomous vehicle is acquired. Overtaking can be carried out only after an accurate calculation result, an experience overtaking library condition and an intention to be overtaken are met at the same time. Both the accurate overtaking condition obtained from the traffic state transmitted by a sensor and the simulation of the decision of real human beings when they encounter the same situation by a neural network algorithm are taken into account, so that the autonomous vehicle is more human-like. The fault tolerance rate of the sensor and the algorithm is improved by the mutual complement of three dimensional conditions. When one dimensional condition has problems, the other two dimensional

conditions can assist in decision, which greatly improves the safety of overtaking and the rationality and accuracy of decision.

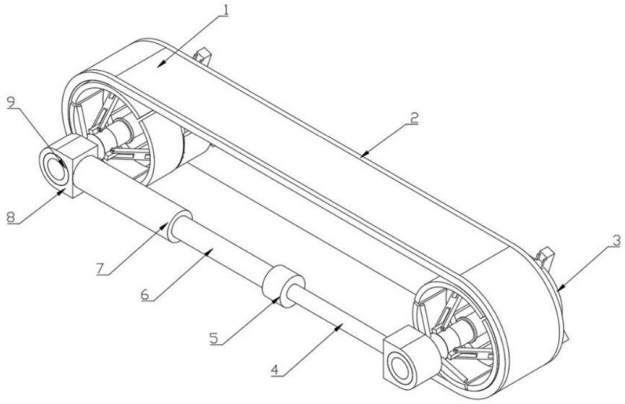


21: 2023/05092. 22: 2023/05/08. 43: 2023/07/18
51: D01H
71: ANHUI LANXIANG TEXTILE MACHINERY TECHNOLOGY CO., LTD.
72: Licai ZHUO, Chao ZHANG
33: CN 31: 202210206112.7 32: 2022-03-03

54: A TEXTILE RUBBER RING ASSEMBLY FOR EASY INSTALLATION

00: -

The present invention provides a textile rubber ring assembly that is easy to install and belongs to the technical field of textile rubber rings. It solves the problem of low installation efficiency of textile rubber rings. The assembly includes a textile rubber ring and two adjusting components. The adjusting components include an installation shaft with an extrusion ring slidingly mounted on it. Above the extrusion ring, there are several articulated arc plates connected by several connecting rods, and the end of each connecting rod is hinged to a support arc plate that abuts inside the textile rubber ring. The installation shaft is threaded and connected to a rotating ring with several rotating rods fixed to it. One end of the installation shaft is fixed with a stop plate, and the end of the stop plate is equipped with a tilting component. The tilting component is fixed with an electric chuck at the end, and the other end of the installation shaft is equipped with an expansion component, both ends of which are connected to the corresponding installation shaft of the adjusting component. By combining the tilting component and the electric chuck, the present invention can automatically move the textile rubber ring to the desired position on the pulley without adjusting the position of the roller, reducing the installation steps and improving the installation efficiency.

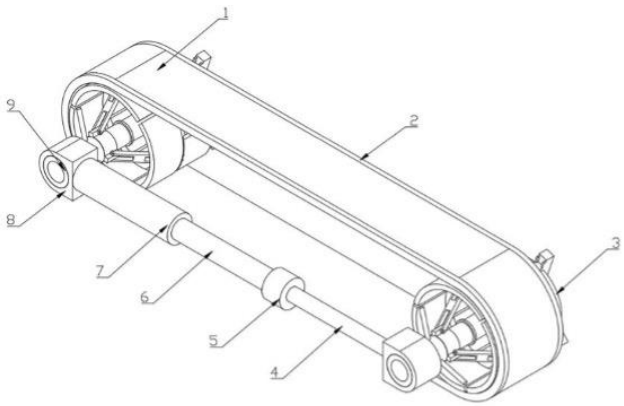


21: 2023/05096. 22: 2023/05/08. 43: 2023/07/18
51: D01H
71: ANHUI LANXIANG TEXTILE MACHINERY TECHNOLOGY CO., LTD.
72: Licai ZHUO, Chao ZHANG
33: CN 31: 202210206113.1 32: 2022-03-03

54: AN EASY-TO-INSTALL TELESCOPIC SPINNING MACHINE RUBBER ROLLER

00: -

The present invention provides an easy-to-install telescopic spinning machine rubber roller, belonging to the technical field of textile rubber rollers, used to solve the problem of low installation efficiency of spinning machine rubber rollers. It includes a roller body and two quick-connect components. The side of the roller body is provided with a fixed component. The quick-connect component includes a first rotating ring. Two connecting plates are fixed on the side of the first rotating ring. Two U-shaped plates are hinged between the two connecting plates. The end of the U-shaped plate is hinged with a first connecting rod and a second connecting rod. A connecting rod is arranged between the first connecting rod and the second connecting rod, and the end of the first and second connecting rods are hinged with one end of the connecting rod. The connecting rod is inserted into the first rotating ring, and the other end of the connecting rod is provided with a threaded hole. The outside of the two U-shaped plates is provided with a clamping component. By coordinating the quick-connect component and the roller body, the present invention can adjust the position of the connecting rod to avoid the tilting lifting of the textile rubber roller, allowing the connecting rod and the shaft neck to be quickly docked for fast installation of the textile rubber roller.

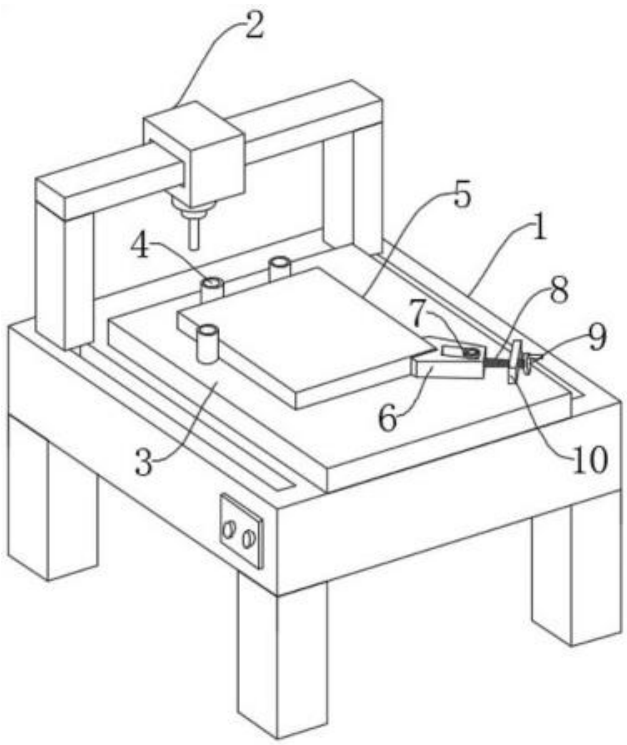


21: 2023/05097. 22: 2023/05/08. 43: 2023/07/18
51: B26D; B44B
71: ANHUI MAIMING ACRYLIC TECHNOLOGY LTD.
72: Yuhong CHEN, Zhengqing XU, Xiaohua LI, Ruojin CHEN, Qiang LIU
33: CN 31: 202222880600.4 32: 2022-10-31

54: A POSITIONING TOOL FOR ACRYLIC SHEET PROCESSING

00: -

This invention discloses a positioning tool for acrylic sheet processing, including an operation table and an engraving machine body. The side walls of three positioning columns abut against the top side wall of the acrylic sheet, and the side wall of the corner of one side of the bottom of the acrylic sheet abuts against a fixing component. The fixing component includes a clamping block and a threaded rod, one end of the clamping block abuts against the side wall of the corner of one side of the bottom of the acrylic sheet, and the other end of the clamping block is rotatably connected to one end of the threaded rod. The side wall of the threaded rod is threadedly connected to the top internal thread of a supporting block fixed on the placement board, and the other end of the threaded rod is welded with a turning wheel. By setting the fixing component near the corner of one side of the bottom of the acrylic sheet, and making the side walls of the top of the acrylic sheet abut against the side walls of the three positioning columns, the stable fixation of the acrylic sheet can be achieved, and the top surface of the acrylic sheet can be fully exposed for engraving, avoiding dead angles in engraving while fixing the acrylic sheet.



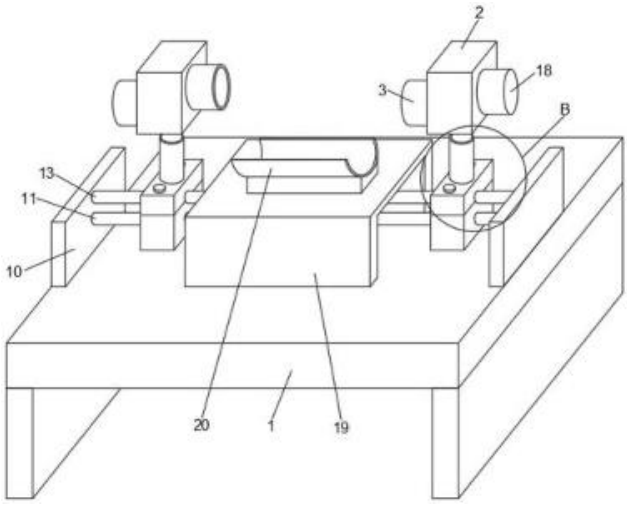
21: 2023/05099. 22: 2023/05/08. 43: 2023/07/18
51: G01B
71: ZONQ MOTOR CO., LTD.
72: Bo LIN, Zexin SONG, Husheng CHEN, Jiachun ZHANG, Lingrong YE
33: CN 31: 202222167283.1 32: 2022-08-17

54: AN AUXILIARY DEVICE FOR DETECTING MOTOR SHAFT

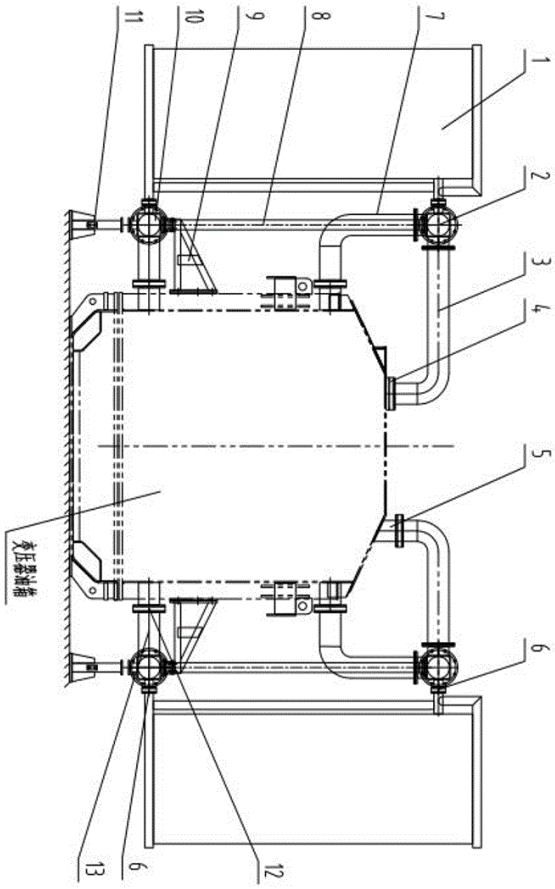
00: -

The present invention relates to the technical field of motor shaft detection. The auxiliary device for detecting motor shaft according to the present invention comprises a machining table, wherein the top of the machining table is provided with a fixing mechanism for fixing the motor shaft; the fixing mechanism comprises two symmetrically arranged mounting bases, and sleeves are fixed on the opposite sides of the two mounting bases, and the inside of the sleeve is provided with a slot for mating with the motor shaft; the top of the machining table is provided with a driving mechanism for driving the two mounting bases to move relative to each other. The two sleeves fixed on the opposite sides of the motor shaft prevent the motor shaft from shaking up and down during detection, thus avoiding the influence on the detection results. Meanwhile, the tapered slots can meet the fixing requirements of

motor shafts of different sizes, expanding the scope of application of the device.

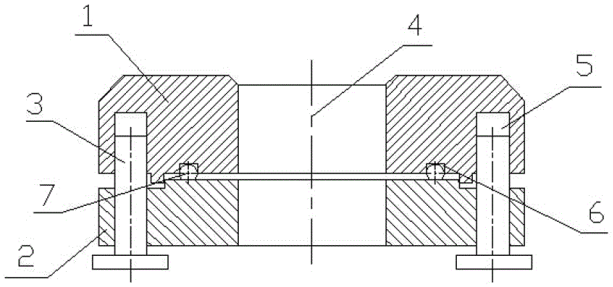


21: 2023/05201. 22: 2023/05/11. 43: 2023/07/18
51: H01F
71: AKTAO COUNTY HUANENG NEW ENERGY CO., LTD
72: CUI, Yingying, WANG, Yanshuang, LI, Shitao, ZHAO, Qi, FEI, Hongwei
33: CN 31: 202221982914.9 32: 2022-07-29
54: EFFICIENT SELF-COOLED OIL-IMMERSED POWER TRANSFORMER COOLING STRUCTURE
00: -
A highly efficient self-cooling oil-immersed power transformer cooling structure. Currently, equipment failures in power transformers can lead to limited operating capacity and affect operational stability. Additionally, both types of cooling systems require regular inspection and maintenance, resulting in significant long-term maintenance costs. The highly efficient self-cooling oil-immersed power transformer cooling structure includes a swan neck radiator (1) with an inlet and outlet. Transformer oil heated by the transformer enters the radiator through the inlet and passes through multiple sets of vertical finned oil cavities where it undergoes heat exchange with air before returning to the transformer oil tank through the outlet to continue cooling the transformer. The swan neck is characterized by having the upper inlet lower than the radiator to reduce installation aperture size, facilitate transformer structural design, and improve heat dissipation efficiency. This utility model is suitable for use in power plants.

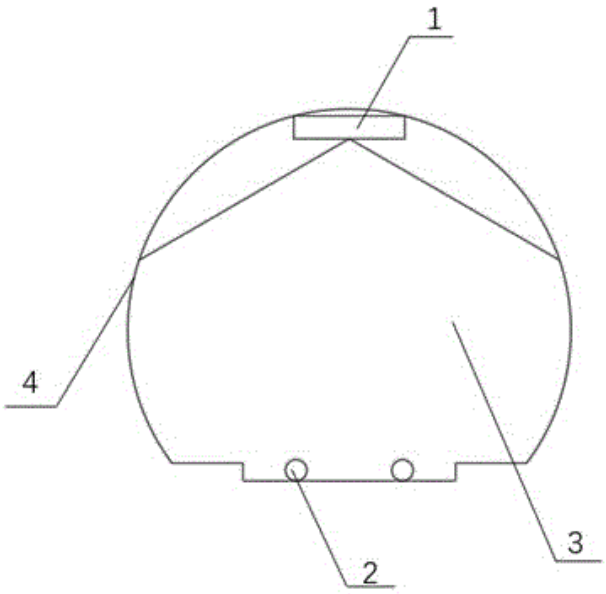


21: 2023/05543. 22: 2023/05/23. 43: 2023/07/18
51: F03B
71: HUANENG XINJIANG ENERGY DEVELOPMENT CO., LTD. TOSHGANHE HYDROPOWER BRANCH
72: HUA, Rongjun, WANG, Yuanfang, YANG, Jun, ZHANG, Yunqing, ZHENG, Gang
33: CN 31: 202221324015.X 32: 2022-05-30
54: FLANGE DEVICE FOR A WATER TURBINE
00: -
This utility model relates to a flange device for a water turbine. During the operation of a hydroelectric generator set, the pressure on the top cover will increase. Generally, drainage is carried out through top cover pressure relief drainage to release the pressure. For intake-style power plants with high sediment content, the drainage pipe of top cover pressure relief will face serious erosion problems. The flange device for a water turbine includes an outer protective flange (1) and a top cover flange (2), which are fixedly connected by bolts (3). Drainage holes (4) with the same diameter are provided at the centers of the outer protective flange and the top

cover flange. A set of semi-closed threaded holes (5) are provided on the outer protective flange, corresponding to through-holes on the top cover flange. The bolts pass through the through-hole on the top cover flange and connect to the threaded holes on the outer protective flange. By using this flange device, the pressure relief drainage from the top cover can be guided into the external system, effectively avoiding erosion problems in the drainage pipe. This utility model is suitable for the field of hydropower generation.

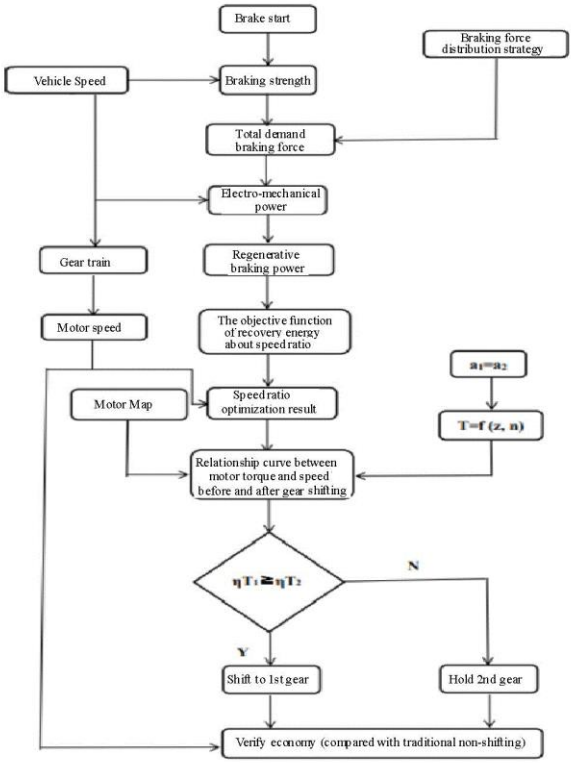


21: 2023/05835. 22: 2023/05/31. 43: 2023/08/11
51: B61L
71: CHINA RAILWAY 12TH BUREAU GROUP CO., LTD, 2ND ENGINEERING CO., LTD. OF CHINA RAILWAY 12TH BUREAU GROUP, SHANXI BUILDING COMPONENT CO., LTD. OF CHINA RAILWAY 12TH BUREAU GROUP
72: WANG, Kexin, SUN, Hui, HU, Jianguo, JIA, Youxiu, ZHAO, Xiangping, LOU, Huiyuan, SUN, Xueshuang, WEI, Jun, LU, Xiaopeng, TIAN, Wenmao, JIN, Sujing, ZHANG, Huaqing, GUO, Min, LIAO, Yu, SONG, Chenglin, MENG, Yanzhe, GUO, Xiangnan, YANG, Hangyu
33: CN 31: 202211593281.7 32: 2022-12-13
54: CLIMBING ROBOT AND METHOD FOR DETECTING FOREIGN OBJECT INTRUSION IN METRO TUNNEL
00: -
The present invention belongs to the technical field of tunnel traffic safety and discloses a method for detecting foreign object intrusion in a metro tunnel based on a climbing robot. The method includes the following steps: controlling a climbing robot to travel on an inner wall of a tunnel in a tunnel direction and consecutively acquiring tunnel images in the absence of foreign objects as prior images and storing the prior images; meanwhile, matching the prior images with corresponding positions by means of an inertial navigation system; enabling the climbing robot to travel above an inner wall of the tunnel in the tunnel direction and acquiring a detection image and a position thereof in real time; and matching the real-time detection image with the corresponding prior image to obtain a region overlapped with the prior image on a monitoring image as a detection region, conducting gray value differencing to obtain a difference image, and determining whether intrusion occurs according to the difference image.



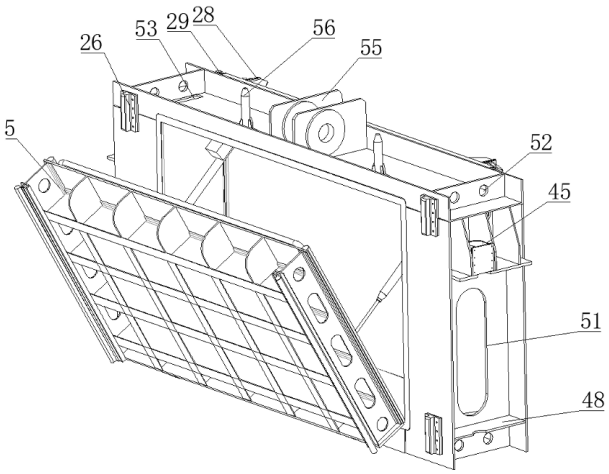
21: 2023/05882. 22: 2023/06/01. 43: 2023/08/16
51: B60W
71: Jiangsu University
72: PAN Gongyu, XU Shen, LIU Zhikang, FENG Yaqi, ZHANG Yujia, XUE Lei
33: CN 31: 2021114435827 32: 2021-11-30
54: BRAKE SHIFT CONTROL METHOD AND SYSTEM FOR ELECTRIC VEHICLE
00: -
The invention provides a brake shift control method and system for an electric vehicle, which comprises the following steps: calculating the total demand braking force; Determine the braking force distribution strategy according to the braking force distribution curves of the front and rear axle brakes, and calculate the regenerative braking force; Speed ratio optimization; Equal acceleration shift control; according to the braking force distribution strategy, the required braking force obtained under the same braking intensity Z can obtain a fixed regenerative

braking moment, so as to obtain the acceleration at the current gear, and then the speed will not suddenly change before and after gear shifting, and the change of transmission ratio will bring about the difference of the reverse rotation speed of the motor, and at this time, a new regenerative braking moment will be generated, and a new acceleration will be generated, so that the two accelerations are equal, and the relationship between the regenerative braking moments before and after and their distribution on the motor efficiency curve can be obtained, thus achieving the economic requirements.



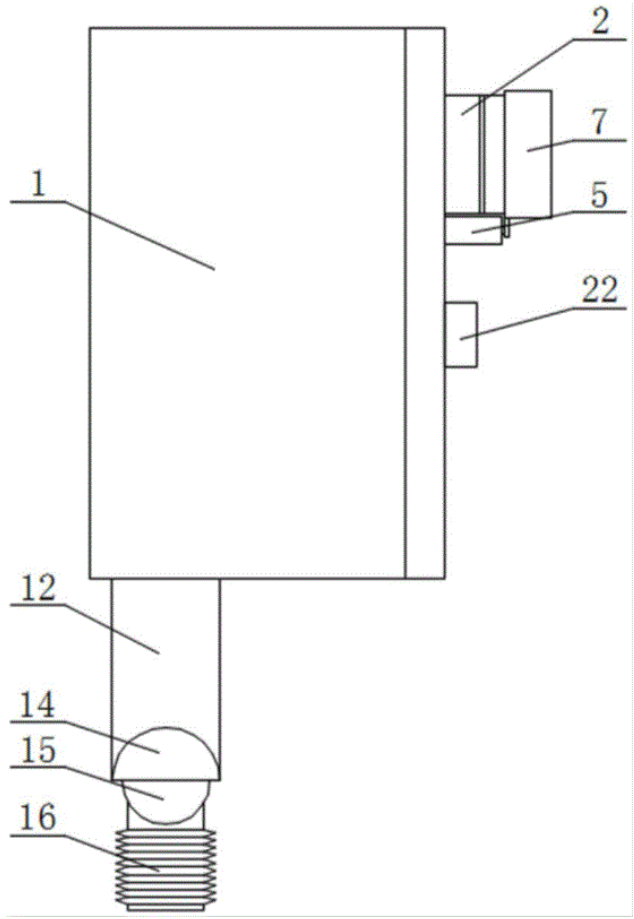
21: 2023/06106. 22: 2023/06/08. 43: 2023/08/03
51: E02B; G01D
71: CHINA POWER CONSTRUCTION GROUP GUIYANG SURVEY, DESIGN AND RESEARCH INSTITUTE CO., LTD
72: Xingen WANG, Zhenggang ZHAN, Zaixing ZHAO, Hezuo ZHANG, Xianzhu SHEN, Hongyou MU, Fan CHEN, Taoping YANG, Yi XU, Haijun LAO, Wei GAO, Xin WANG, Daren DENG
33: CN 31: 202210043984.6 32: 2022-01-14
54: HIGH-EFFICIENT SWIFT STEPLESS LAYERING WATER INTAKING GATE DEVICE
00: -

The invention provides a high-efficient swift stepless layering water intaking gate device, is including setting up the water intaking gate slot of the relative setting of the inlet port both sides on the dam body, its characterized in that: a plurality of sections of door leaves are arranged in the water taking gate groove from bottom to top; all the door leaves in the water intaking gate groove are divided into a group, and the adjacent door leaves are connected by adopting an internode connecting plate to form an integral water intaking gate; or all the gate leaves in the water intake gate groove are divided into a plurality of groups to form a plurality of sets of stop log type water intake gates, each set of stop log type water intake gate is provided with a plurality of sections of gate leaves, and adjacent gate leaves are connected into a whole by adopting an internode connecting plate; each section of gate blade comprises a movable gate flap and a flow gate, and the movable gate flap is rotatably arranged on the upstream side of the flow gate; each section of door leaf is provided with a movable door clack opening and closing device for driving the movable door clack to open or close; and a gantry crane or a trolley used for lifting or lowering the integral water intake gate or the stoplog type water intake gate is arranged at the top of the dam body.



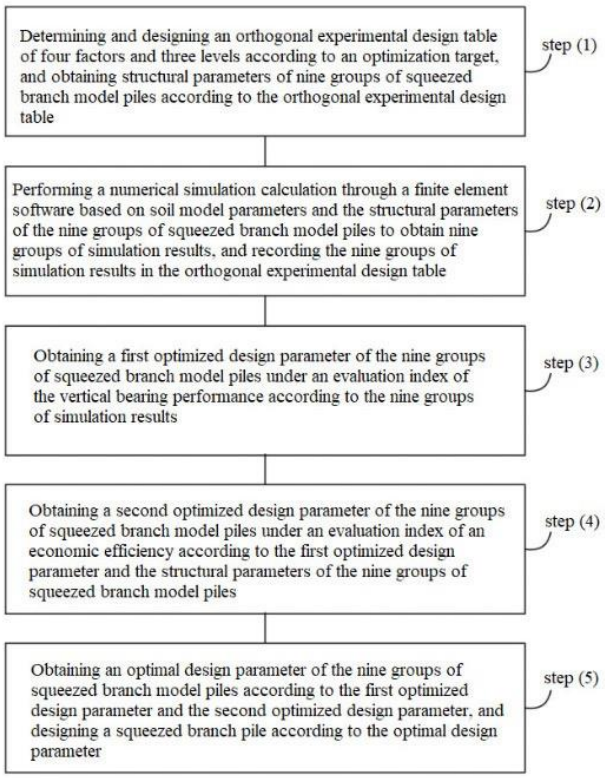
21: 2023/06131. 22: 2023/06/09. 43: 2023/08/16
51: G01K
71: HEBEI GEO UNIVERSITY
72: ZHANG, Lei, ZHENG, Yibo, LI, Simian, LIU, Qiang, WANG, Yuan, WANG, Guangxiang
33: CN 31: 2021108204670 32: 2021-07-20
54: FLUORESCENT SENSOR FOR TRACK POWER SUPPLY SYSTEM

00: -
The present invention relates to the technical field of track power supply system accessories, in particular to a fluorescent sensor for a track power supply system, comprising a main body of the fluorescent sensor, wherein a probe is fixedly connected to a right end of the main body of the fluorescent sensor, and a protection mechanism for protecting the probe is fixedly connected to the right end of the main body of the fluorescent sensor, a bottom end of the main body of the fluorescent sensor is fixedly connected with a connecting mechanism which plays a role in buffering protection when the main body of the fluorescent sensor is collided, and in the present invention, when the main body of the fluorescent sensor is collided, the main body of the fluorescent sensor drives a second spring to shift, which reduces impact force on the main body of the fluorescent sensor at the moment of collision, so as to realize protection of the main body of the fluorescent sensor, and when the probe needs to be protected, the protective cover is sleeved onto an outer side of the probe, the probe is protected through the protective cover, and meanwhile, impact force between the protective cover and the probe can be reduced through a cushion, which prevents the protective cover from damaging the probe.



21: 2023/06229. 22: 2023/06/13. 43: 2023/08/03
51: G06F
71: SHIJIAZHUANG TIEDAO UNIVERSITY
72: ZHAO, Cunbao, WANG, Ziqi, ZHANG, Wenyue
33: CN 31: 202210654400.9 32: 2022-06-10
54: OPTIMIZATION DESIGN METHOD FOR SQUEEZED BRANCH PILE BASED ON ORTHOGONAL EXPERIMENTAL DESIGN AND FINITE ELEMENT ANALYSIS
00: -
The disclosure relates to an optimization design method for squeezed branch pile based on orthogonal experimental design and finite element analysis, including the following steps of: determining and designing an orthogonal experimental design table of four factors and three levels according to an optimization target, and obtaining structural parameters of nine groups of squeezed branch model piles according to the orthogonal experimental design table; performing a numerical simulation calculation through a finite element software based on soil model parameters and the structural parameters of the nine groups of

squeezed branch model piles to obtain nine groups of simulation results, and recording the nine groups of simulation results in the orthogonal experimental design table; performing a numerical simulation calculation through a finite element software based on soil model parameters and the structural parameters of the nine groups of squeezed branch model piles to obtain nine groups of simulation results, and recording the nine groups of simulation results in the orthogonal experimental design table; obtaining a first optimized design parameter of the nine groups of squeezed branch model piles under an evaluation index of the vertical bearing performance according to the nine groups of simulation results; obtaining a second optimized design parameter of the nine groups of squeezed branch model piles under an evaluation index of an economic efficiency according to the first optimized design parameter and the structural parameters of the nine groups of squeezed branch model piles; and obtaining an optimal design parameter of the nine groups of squeezed branch model piles according to the first optimized design parameter and the second optimized design parameter, and designing a squeezed branch pile according to the optimal design parameter. The method provided by the application is simple, and the result is scientific and effective.



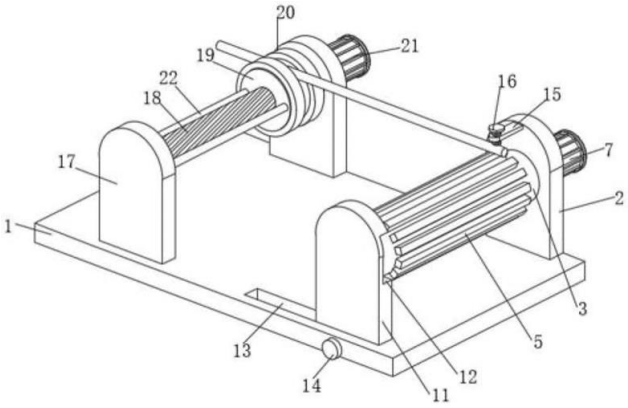
21: 2023/06371. 22: 2023/06/19. 43: 2023/08/11
51: H02K
71: ZONQ MOTOR CO., LTD.
72: LIN, Bo, SONG, Zexin, CHEN, Husheng, ZHANG, Jiachun, YE, Lingrong
33: CN 31: 202222188289.7 32: 2022-08-19

54: A HIGH-EFFICIENCY AUTOMATIC MOTOR COIL WINDING DEVICE

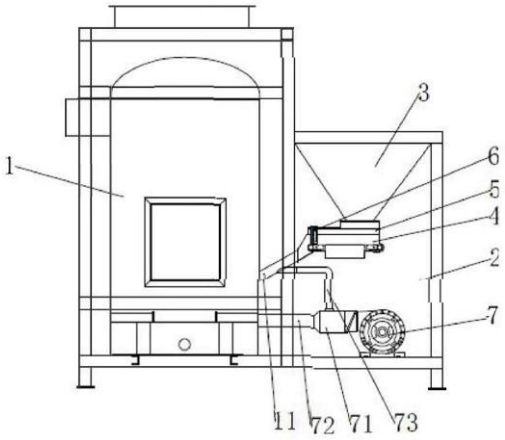
00: -

The present invention relates to the field of motor production and discloses an automatic winding device for high-efficiency motor coils. The device comprises a console and a wire mechanism. The wire mechanism is installed on one side of the top of the console, and on the other side of the top of the console, there is a winding mechanism. The winding mechanism includes a first fixed seat installed on the top of the console, a winding cylinder rotatably connected to the outer wall of the first fixed seat, multiple support blocks arranged radially outside the connecting block, and a connecting block positioned inside the winding cylinder along its axis. The multiple support blocks are arranged in a circular array centered around the connecting block. The connecting block is a cylindrical structure, and the support blocks are hinged to the connecting block

through multiple connecting rods. The winding mechanism also includes a driving component for driving the movement of the connecting block. The present utility model can automatically release the support inside the coil, solving the problem of the coil tightly adhering to the surface of the winding cylinder after winding processing, making it inconvenient to remove. Furthermore, it improves the overall processing efficiency of the automatic winding device.

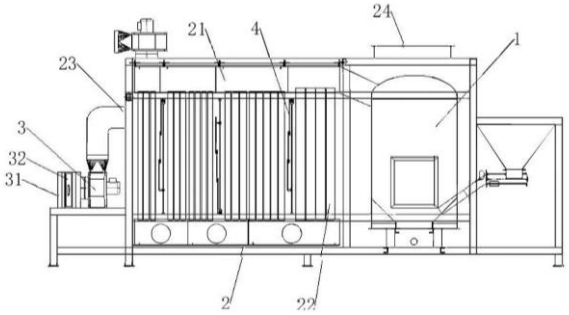


21: 2023/06736. 22: 2023/06/30. 43: 2023/08/11
51: B65G; F23K
71: ANHUI GUYUAN THERMAL ENERGY TECHNOLOGY CO., LTD.
72: Fei MA, Wei ZHAO, Jun HOU, Zhijun LIAO, Lei LIANG
33: CN 31: 202222929692.0 32: 2022-11-03
54: BIOMASS FUEL CONVEYING DEVICE FOR BIOMASS HOT-BLAST STOVE
00: -
The present application provides a biomass fuel conveying device for a biomass hot-blast stove, including a hot-blast stove and a feeding chamber provided on one side of the hot-blast stove, an upper end of the feeding chamber being provided with a hopper for storing materials, a conveying mechanism being mounted at a lower end of the hopper, the conveying mechanism including a conveyor and an enclosure frame mounted at an upper end of the conveyor, two sides of the enclosure frame being fixedly mounted on the conveyor. Biomass particles are stored in the hopper and guided into the upper end of the conveyor through a material receiving box. An opening of the material receiving box is large, thus avoiding the situation that materials block the bottom of the hopper. The biomass particles move forwards through the conveyor. A conveying chain plate on the conveyor is provided with anti-slipping convex bodies, so as to push the biomass particles to move forwards and ensure the conveying stability of the biomass particles. A door sealing component controls lifting of a sealing plate through an electric push rod, so as to control the opening size of an opening in a front end of the enclosure frame, adjust the feeding speed in multiple aspects in cooperation with the speed of the conveyor, and ensure quantitative feeding.



21: 2023/06737. 22: 2023/06/30. 43: 2023/08/11
51: F24H
71: ANHUI GUYUAN THERMAL ENERGY TECHNOLOGY CO., LTD.
72: Fei MA, Wei ZHAO, Jun HOU, Zhijun LIAO, Lei LIANG
33: CN 31: 202222928397.3 32: 2022-11-03
54: AIR SUPPLY MECHANISM FOR BIOMASS HOT-BLAST STOVE
00: -
The present application provides an air supply mechanism for a biomass hot-blast stove, including a stove body and a heat exchange box provided on one side of the stove body. Upper and lower ends of the heat exchange box are respectively provided with flue gas passages. A heat exchange tube for conveying flue gas is distributed between the flue gas passages in the upper and lower ends. One side of the heat exchange box is provided with an air inlet, and the other side is provided with an air outlet. The air inlet is externally connected with a fan through an air duct. When it is required to increase air temperature, a driving motor drives a screw to

rotate, and the screw drives a third blocking plate to move through a screw barrel, causing an air blocking component to be unfolded and block a partial area of the heat exchange box; the fan blows air into the heat exchange box, and an air flow is limited by the air blocking component and advances in an S-shaped path, thus increasing the contact time and contact area between the air flow and the heat exchange tube, improving the heat exchange efficiency, and increasing the air temperature. When it is required to decrease the air temperature, the third blocking plate is folded, and the air flow is guided from the air inlet to the air outlet, thus reducing the contact time between the air flow and the heat exchange pipe and achieving the rapid adjustment of the air temperature.

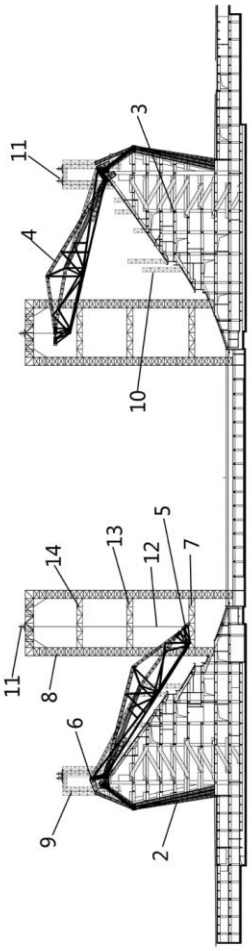


21: 2023/07166. 22: 2023/07/17. 43: 2023/08/11
51: E04G
71: CHINA CONSTRUCTION FOURTH ENGINEERING DIVISION CORP. LTD
72: HUANG, Chenguang, CHEN, Kai, JIA, Xinjuan, GUI, Zhengrong, MO, Haizhao, ZHANG, Zaichen, JI, Yongxin, CUI, Lihui, CHEN, Xuepeng, QIN, Kai, ZHOU, Jingkang, ZHANG, Yongfei, CAI, Longyu, ZHAO, Xuhua
33: CN 31: 202110627131.2 32: 2021-06-04

54: CONSTRUCTION METHOD FOR A STEEL SHED OF AN ULTRAHIGH LARGE-SPAN GIANT RIBBED SPATIAL FOLDED-PLATE-SHAPED GRID STRUCTURE

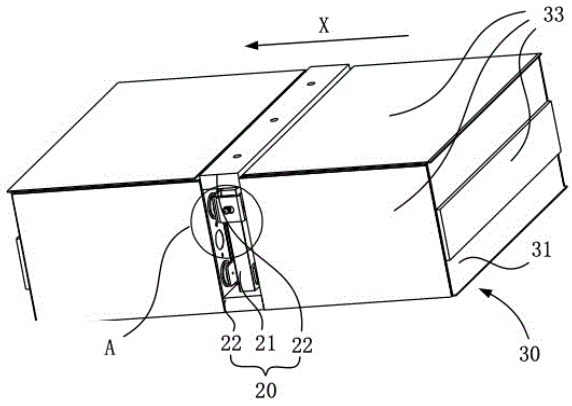
00: -

The present invention relates to the technical field of constructional engineering. Disclosed is a construction method for a steel shed of an ultrahigh large-span giant ribbed spatial folded-plate-shaped grid structure, comprising: dividing the steel shed into a roof shed and a facade shed; upon the completion of construction of a concrete body structure of a venue, constructing the facade shed, installing horizontally-spliced supporting jig frames on a grandstand structure in the venue, installing front lifting frames and rear lifting frames in the venue, and splicing rotating structure units and providing a position-limiting apparatus on the horizontally-spliced supporting jig frames; selecting proper front pulling points and rear pulling points on the rotating structure units, and installing pulling point apparatuses at the front pulling points and the rear pulling points; and lifting the rotating structure units upwards to a designed elevation, welding connecting positions of the rotating structure units and the facade shed, and using a hoisting device to inlay and install rod pieces between the rotating structure units. According to the present invention, the construction efficiency and the safety coefficient of the steel shed of the ultrahigh large-span giant ribbed spatial folded-plate-shaped grid structure are improved, the high-altitude work amount is reduced, and the construction quality is guaranteed.



21: 2023/07213. 22: 2023/07/19. 43: 2023/08/11
51: H01M
71: SRNE SOLAR CO., LTD
72: CHEN, Yong, LI, Ke
33: CN 31: 202222240831.9 32: 2022-08-24
54: BATTERY ASSEMBLY AND PHOTOVOLTAIC ENERGY STORAGE BOX
00: -

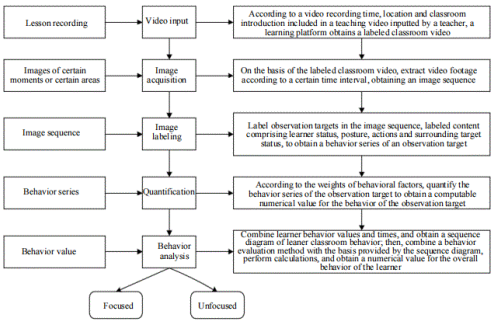
The utility model relates to the technical field of photovoltaic energy storage, in particular to a battery assembly and a photovoltaic energy storage box. The battery assembly includes a fixing frame, an insulating assembly and two battery packs connected in series. The two battery packs are installed in the installation space enclosed by the fixing frame. Both battery packs include a battery body and electrodes connected to the battery body. The electrodes of the two battery packs are arranged opposite to each other in the first direction. Specifically, the insulating assembly includes a first insulating member, and the first insulating member is arranged between the electrodes of the two battery packs. When viewed from the projection in the first direction, the projected contour of the first insulating member completely surrounds the projected contours of the electrodes of the two battery packs, so the first insulating member can avoid direct contact between the electrodes of the two battery packs. Since the first insulating member has insulating properties, even if the electrodes of the two battery packs are respectively connected to both sides of the first insulating member, the electrodes of the two battery packs will not be conducted, thereby eliminating the potential safety hazard of a short circuit.



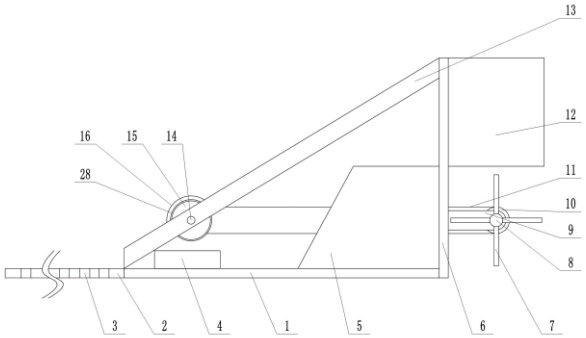
21: 2023/07444. 22: 2023/07/26. 43: 2023/08/16
51: G06Q
71: NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: ZHANG, Mei, SHAN, Yan, SUN, Xiaoxue
33: CN 31: 202210844270.5 32: 2022-07-18
54: BIG-DATA-BASED TEACHING PLANNING METHOD AND SYSTEM
00: -

The present invention relates to a big-data-based teaching planning method and system, and belongs to the field of teaching planning. The invention involves dividing a lesson into three stages, namely, before the lesson, during the lesson and after the lesson; prior to beginning a lesson, the teacher organizes according to questions provided as feedback by learners, and conducts comparisons relative to similar or identical questions in a learning platform; during the lesson, the teacher systematically verbally presents the information to be learned, emphasizing explanations of questions asked by students prior to the lesson, and thus

organizes learning and teaching; after the lesson, according to questions provided as feedback by the learners, the teacher performs organization and summarization, and transmits same to the learning platform; and at the same time, by analyzing the learning status of the learners and combining same with the questions provided as feedback, the teacher can be helped to understand the learning situation of the learner, and thus, the present invention helps teachers to understand the learning situation of learners and also the situation surrounding the teaching method of the teacher, thereby improving learning efficiency and the multimodality of teaching.

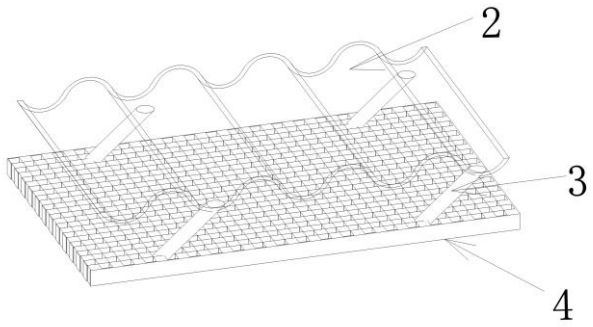


21: 2023/07481. 22: 2023/07/27. 43: 2023/08/16
51: E02B
71: Zhejiang University of Water Resources and Electric Power
72: NIE Hui, HUANG Saihua, XIE Huawei, CHEN Hao, GAO Yidan, ZHANG Yuliang, YE Zhengda, ZHU Shuxian
33: CN 31: 2022106679612 32: 2022-06-14
54: AUTOMATIC FORCE FLOATING OBJECT COLLECTION DEVICE BASED ON OCEAN WAVES
00: -
The present invention relates to the field of garbage cleaning technology, in particular to an automatic force floating object collection device based on ocean waves, which includes a bottom plate. The top side of the bottom plate is fixedly connected to a vertical plate, and the side of the bottom plate far from the vertical plate is equipped with a seawater gathering part. The top of the bottom plate is equipped with an energy gathering panel, which is inclined to be arranged. The low end of the energy gathering panel is fixedly connected to the bottom plate, the high end of the energy gathering panel is fixedly connected to the vertical plate, and the bottom of the energy gathering panel is equipped with a first collection part. The first collection part is transmitted and connected to a power part, which is fixedly connected to the side of the vertical plate away from the bottom plate. The side of the top of the vertical plate away from the bottom plate is equipped with a second collection part, which is correspondingly arranged above the power part. The present invention can achieve the goal of collecting floating objects through wave energy, a green energy source that can collect, consume low energy, and has a large total amount, and solve the problem of collecting floating objects in the ocean without carbon emissions.



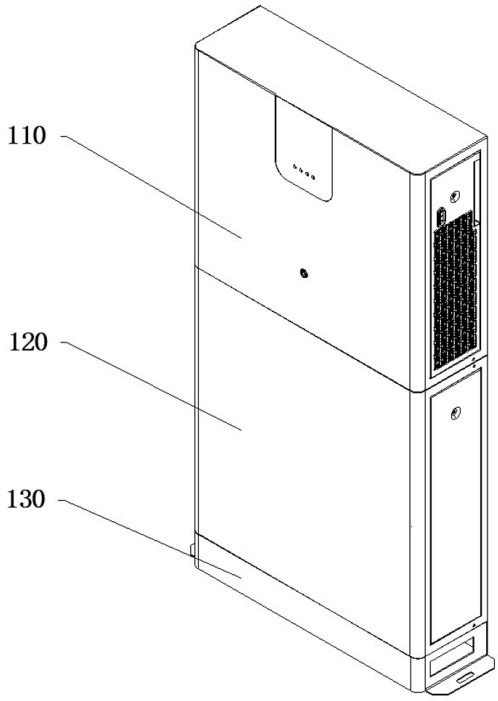
21: 2023/07482. 22: 2023/07/27. 43: 2023/08/16
51: E02D
71: Zhejiang University of Water Resources and Electric Power
72: HUANG Saihua, NIE Hui, FENG Jianjiang, WANG Qian, WANG Luyao, ZHONG Lingyinzi, WANG Keqi, RONG Qinhuan, CHEN Yekai
33: CN 31: 2022110102627 32: 2022-08-23
54: GREEN FULL-AUTOMATIC SAND-FIXING FLEXIBLE PROTECTOR FOR SANDY BEACHES WITH HIGH EFFICIENCY AND LOW CONSUMPTION
00: -
The invention relates to the technical field of beach protection, in particular to a green full-automatic sand-fixing flexible protector for sandy beaches with high efficiency and low consumption, which comprises a fixed layer, where a sand-fixing layer is hinged above the fixed layer through a plurality of connectors, and the side wall of the sand-fixing layer is fixedly connected with a tidal generator, and the tidal generator is electrically connected with the sand-fixing layer. The invention can achieve the

purpose of protecting the beach in a low energy consumption way.



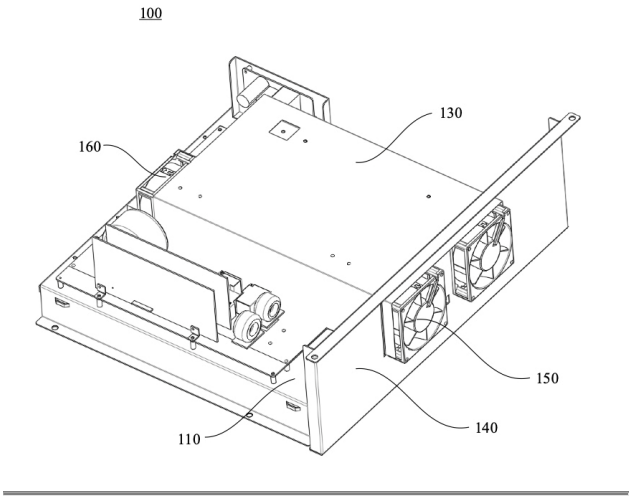
21: 2023/07849. 22: 2023/08/11. 43: 2023/08/17
51: H01M; H02S
71: SRNE SOLAR CO., LTD
72: CHEN, Yong, LI, Ke
33: CN 31: 202222241538.4 32: 2022-08-24
54: ENERGY STORAGE SYSTEM
00: -

The present utility patent relates to the field of solar power generation, in particular to an energy storage system, which includes a battery assembly and an inverter assembly, and the battery assembly and the inverter assembly are stacked in a bottom-up order; the inverter assembly includes a first housing and an inverter module, a first installation cavity and a first wiring cavity are formed in the first housing, and the inverter module is arranged in the first installation cavity, a first connection hole is opened on the first housing; the battery assembly includes a second housing and a battery module, a second installation cavity and a second wiring cavity are formed in the second housing, the battery module is arranged in the second installation cavity, a second connection hole is opened on the second housing; a first wiring opening is opened on the first wiring cavity, a second wiring opening is opened on the second wiring cavity, and the first wiring opening and the second wiring opening are oppositely arranged. the present utility model provides the wiring cavity structure in the inverter assembly, the battery assembly and the base, so that the connection wires are distributed in the wiring cavity as much as possible, thereby simplifying the wiring structure and making the wiring structure more aesthetical.



21: 2023/07850. 22: 2023/08/11. 43: 2023/08/17
51: H02M; H05K
71: SRNE SOLAR CO., LTD
72: CHEN, Yong, LI, Ke
33: CN 31: 202222241847.1 32: 2022-08-24
54: A COOLING STRUCTURE AND AN INVERTER
00: -

The present disclosure discloses a cooling structure and an inverter, and relates to the technical field of inverters. The cooling structure includes a bracket, and a radiator, a housing and a side plate, which are connected to the bracket. An air duct is formed in the housing, and the radiator is located in the air duct. The side plate is connected with the housing, and the side plate is positioned at one end of the air duct. The side plate is provided with a heat dissipation fan, and the heat dissipation fan blows air towards an air inlet of the air duct. This configuration can improve the heat dissipation effect and ensure the stability of the inverter during operation.


100
130
160
150
140
110

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

3. DESIGNS

DESIGNS

APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

. - APPLIED ON 2023/07/24 -

A2023/00845 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. AUTOMOBILES

A2023/00844 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. AUTOMOBILES

A2023/00842 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. AUTOMOBILES

A2023/00843 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. AUTOMOBILES

F2023/00847 - LEANDER GROUP PROPRIETARY LIMITED Class 25. HOLLOW BARGE

F2023/00846 - LEANDER GROUP PROPRIETARY LIMITED Class 25. FASCIA BOARD

. - APPLIED ON 2023/07/25 -

A2023/00854 - JOEL GRAHAM CC Class 11. A RING

A2023/00853 - JOEL GRAHAM CC Class 11. A RING

A2023/00850 - Bayerische Motoren Werke Aktiengesellschaft Class 12. MOTOR VEHICLES

A2023/00848 - Bayerische Motoren Werke Aktiengesellschaft Class 12. MOTOR VEHICLES

A2023/00852 - JOEL GRAHAM CC Class 11. A RING

F2023/00856 - MOLOKOTIMA OBIKEKANA Class 12. DESIGN WARNING CONE

F2023/00855 - CRAMER, Brent Class 08. CLOSURE DEVICE

A2023/00849 - Bayerische Motoren Werke Aktiengesellschaft Class 12. MOTOR VEHICLES

A2023/00851 - APPLE INC. Class 14. PAIR OF EARPHONES

. - APPLIED ON 2023/07/26 -

A2023/00859 - Turlen Holding SA Class 10. WATCHES

F2023/00858 - MYBURGH, Josua Petrus Class 06. CAMPING CHAIR

A2023/00862 - HMD Global Oy Class 14. MOBILE PHONES

A2023/00864 - FARB, Mark Daniel Class 13. TURBINE

A2023/00863 - HMD Global Oy Class 14. MOBILE PHONES

A2023/00860 - HMD Global Oy Class 14. MOBILE PHONES

A2023/00861 - HMD Global Oy Class 14. MOBILE PHONES

A2023/00857 - Jian Song Class 07. POT WITH ELONGATED HANDLE

. - APPLIED ON 2023/07/27 -

A2023/00866 - SHENZHEN OLIPOWER ENERGY & AUTOMATION TECHNOLOGY CO., LTD. Class 13. BATTERY CHAMBER

A2023/00867 - SHENZHEN OLIPOWER ENERGY & AUTOMATION TECHNOLOGY CO., LTD. Class 13. BATTERY CHAMBER

F2023/00868 - The Best Trust Class 23. VALVE

A2023/00865 - IRIZAR, S. COOP. Class 12. BUS

. - APPLIED ON 2023/07/28 -

A2023/00871 - TW America Inc. Class 09. CONTAINERS

A2023/00873 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2023/00872 - Plasson Ltd. Class 8. ADJUSTABLE PIPE JOINTS

A2023/00870 - TW America Inc. Class 09. CONTAINERS

F2023/00875 - AQUIRIAN TECHNOLOGY PTY LTD Class 10. DIPPING TAPE

F2023/00869 - PALISADE ETCETERA PROPRIETARY LIMITED Class 8. MOUNTING BRACKETS

A2023/00874 - Crocs, Inc. Class 2. FOOTWEAR

. - APPLIED ON 2023/07/31 -

F2023/00885 - BOSAL AFRICA (PTY) LTD Class 12. TOW BAR ASSEMBLIES

F2023/00881 - MEGA GROUP HOLDINGS (PTY) LTD. Class 7. LIDS FOR COOKING POTS

F2023/00884 - SUIDWESHK (PTY) LTD Class 8. WALL PLUG

A2023/00877 - MEGA GROUP HOLDINGS (PTY) LTD. Class 7. COOKING POTS

F2023/00883 - SUIDWESHK (PTY) LTD Class 8. WALL MOUNT ADAPTOR

A2023/00882 - XO Collection (Pty) Ltd Class 32. DURBAN PRINT

A2023/00880 - MEGA GROUP HOLDINGS (PTY) LTD. Class 7. SETS OF COOKING POTS AND LIDS THEREFOR

A2023/00879 - MEGA GROUP HOLDINGS (PTY) LTD. Class 7. SETS OF COOKING POTS AND LIDS THEREFOR

A2023/00878 - MEGA GROUP HOLDINGS (PTY) LTD. Class 7. COOKING POTS

A2023/00876 - MEGA GROUP HOLDINGS (PTY) LTD. Class 7. LIDS FOR COOKING POTS

. - APPLIED ON 2023/08/01 -

A2023/00886 - Corinne Twist Class 07. TURNING GODDESS SNAP BAR

. - APPLIED ON 2023/08/03 -

A2023/00887 - COETZEE, Jeanetta, Isabella, Magdalena Class 2. A BEANIE

. - APPLIED ON 2023/08/07 -

A2023/00888 - Michael Noel Loubser Class 12. EZ KART

F2023/00889 - SIDNEY JOHANNES Class 06. ILLUMINATED CASKET DISPLAY CASE

. - APPLIED ON 2023/08/08 -

A2023/00890 - Airweave Inc. Class 06. COVERS

A2023/00892 - Airweave Inc. Class 06. COVERS

A2023/00891 - Airweave Inc. Class 06. COVERS

. - APPLIED ON 2023/08/10 -

A2023/00898 - CAMERON DUDLEY-OWEN Class 12. BULL BAR

A2023/00894 - FERRARI S.P.A. Class 12. CAR

F2023/00899 - CAMERON DUDLEY-OWEN Class 12. BULL BAR

A2023/00896 - IMZ COLOMBIA, S.A.S. Class 22. OPEN PIT MINING HOLE SEALING DEVICE

A2023/00895 - FERRARI S.P.A. Class 21. TOY CAR

A2023/00893 - Wuhan Jingchen Intelligent Identification Technology Co.,Ltd. Class 14. PRINTER

F2023/00897 - IMZ COLOMBIA, S.A.S. Class 22. OPEN PIT MINING HOLE SEALING DEVICE

. - APPLIED ON 2023/08/11 -

A2023/00907 - Measureroad ApS Class 10. DEVICE FOR NON-CONTACT MEASURING OF DEFLECTION OF ROADS OR RAILS

. - APPLIED ON 2023/08/14 -

A2023/00901 - MAHINDRA ELECTRIC AUTOMOBILE LIMITED Class 12. VEHICLE

A2023/00900 - MAHINDRA & MAHINDRA LIMITED Class 12. VEHICLE

. - APPLIED ON 2023/08/16 -

F2023/00902 - DYNAMIC BRANDS MANUFACTURING (PTY) LTD Class 09. HOT FILL BOTTLE

A2023/00904 - DART INDUSTRIES INC. Class 7. CONTAINER

A2023/00905 - JACQUES PIERRE ANDREAS ROSSOUW TA RED GECKO TRAILERS AND RED GECKO GEAR Class 12. CAMPING TRAILER BODY

A2023/00903 - DYNAMIC BRANDS MANUFACTURING (PTY) LTD Class 09. HOT FILL BOTTLE

. - APPLIED ON 2023/08/17 -

F2023/00906 - LACY, Anthoney James Class 09. MODULAR PLANT CONTAINER

A2023/00908 - FERRARI S.P.A. Class 12. CAR

A2023/00909 - FERRARI S.P.A. Class 21. TOY CAR

. - APPLIED ON 2023/08/18 -

F2023/00911 - SMART LOCKING LOGIC (PTY) LTD Class 14. UNDERGROUND MANHOLE CHAMBERS

F2023/00910 - SMART LOCKING LOGIC (PTY) LTD Class 14. UNDERGROUND MANHOLE CHAMBERS

. - APPLIED ON 2023/08/21 -

F2023/00912 - MD Diagnostics Limited Class 24. MEDICAL INSTRUMENT

A2023/00916 - Isuzu Motors Limited Class 12. CABINS FOR VEHICLES

A2023/00914 - Isuzu Motors Limited Class 12. CABINS FOR VEHICLES

A2023/00915 - Isuzu Motors Limited Class 12. CABINS FOR VEHICLES

F2023/00918 - APL CARTONS (PTY) LTD Class 09. CONTAINER WITH HOLDING TAB

A2023/00917 - Isuzu Motors Limited Class 12. CABINS FOR VEHICLES

F2023/00913 - ZIP HEATERS (AUST) PTY LTD Class 08. A HOSE MANAGEMENT SYSTEM

F2023/00919 - APL CARTONS (PTY) LTD Class 09. CONTAINER

. - APPLIED ON 2023/08/22 -

F2023/00920 - APL CARTONS (PTY) LTD Class 09. CONTAINER

F2023/00921 - PLASTIC INNOVATIONS (PTY) LTD Class 8. A DETONATOR HOLDER

A2023/00923 - Dakalo Mondlane Class 28. PERFUME BOX

F2023/00922 - PLASTIC INNOVATIONS (PTY) LTD Class 8. A DETONATOR HOLDER

. - APPLIED ON 2023/08/23 -

F2023/00925 - Willcom (Pty) Ltd Class 14. CAMERA HOUSING

A2023/00924 - Société des Produits Nestlé S.A. Class 7. MACHINES FOR PREPARING BEVERAGES

. - APPLIED ON 2023/08/24 -

A2023/00940 - ROLEX SA Class 10. WATCH DIAL

A2023/00926 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2023/00933 - ROLEX SA Class 10. WATCH CASE

A2023/00929 - ROLEX SA Class 10. WATCH DIAL

A2023/00931 - ROLEX SA Class 10. WATCH BRACELET

A2023/00939 - ROLEX SA Class 10. CLASP FOR WATCH BRACELETS

A2023/00938 - ROLEX SA Class 10. WATCH HANDS

A2023/00930 - ROLEX SA Class 10. MOVEMENT MECHANISM FOR CLOCKS AND WATCHES

A2023/00944 - NGQUKUVANA, Bulelani Sydwell Class 21. FIELD HOCKEY STICK STRIKE PAD

A2023/00943 - ROLEX SA Class 10. WATCH DIAL

A2023/00941 - ROLEX SA Class 10. WATCH DIAL

A2023/00927 - Skechers U.S.A., Inc. II Class 2. FOOTWEAR

A2023/00936 - ROLEX SA Class 10. WATCH BEZEL

A2023/00942 - ROLEX SA Class 10. WATCH CROWN

A2023/00937 - ROLEX SA Class 10. WATCH CASE

A2023/00935 - ROLEX SA Class 10. WATCH DIAL

A2023/00934 - MONTRES TUDOR SA Class 10. WATCH BRACELET

A2023/00932 - ROLEX SA Class 10. MOVEMENT MECHANISM FOR CLOCKS AND WATCHES

A2023/00928 - ROLEX SA Class 10. WATCH DIAL

. - APPLIED ON 2023/08/25 -

A2023/00945 - CHOCOLADEFABRIKEN LINDT & SPRÜNGLI AG Class 09. PACKAGING FOR FOODSTUFFS

A2023/00946 - CHOCOLADEFABRIKEN LINDT & SPRÜNGLI AG Class 09. PACKAGING FOR FOODSTUFFS

CHANGE OF NAME IN TERMS OF REGULATION 24

No records available

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

No records available

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

REPUBLIC OF SOUTH AFRICA

DESIGNS ACT, No. 195 OF 1993

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 26, 27-REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS NOT YET OPEN FOR PUBLIC INSPECTION.THE PARTICULARS TO BE PUBLISHED SHALL BE THOSE SET OUT IN PART I. AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED

PART I

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS OPEN FOR PUBLIC INSPECTION.THE PARTICULARS TO BE PUBLISHED SHALL BE THOSE SET OUT IN PART II. AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY BE INSPECTED AND MAY BE OPPOSED

PART II

Design no: A2020/01415

Applicant: Honda Motors Co, Ltd

Class: 12

Article to which the design is applied: Grilles for vehicles

Date of lodgment: 30/10/2020

Registrar of Designs

Registrar of Designs

Design no: A2017/00609

Applicant: ILLUMINA INC

Class: 24

Article to which the design is applied: FLOW CELL CARTRIDGE

Date of lodgment: 18/04/2017

Registrar of Designs

Registrar of Designs

Design no: A2017/00607

Applicant: ILLUMINA INC

Class: 24

Article to which the design is applied: SEQUENCING CARTRIDGE

Date of lodgment: 18/04/2017

Registrar of Designs

Design no: A2021/01006

Applicant: ALPARGATAS S.A.

Class: 02

Article to which the design is applied: FOOTWEAR

Date of lodgment: 30/08/2021

Registrar of Designs

Design no: A2021/01005

Applicant: ALPARGATAS S.A.

Class: 02

Article to which the design is applied: FOOTWEAR

Date of lodgment: 30/08/2021

Registrar of Designs

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

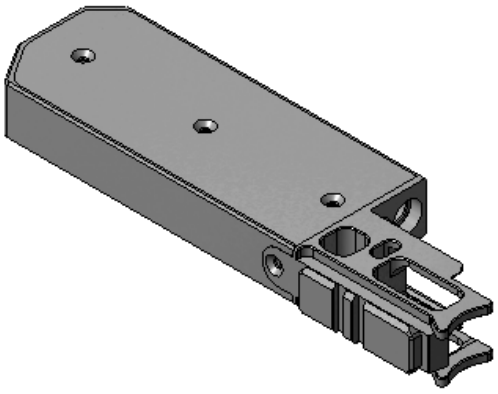
The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgement. **(23)** release date (if applicable). **(DR)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)**

Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

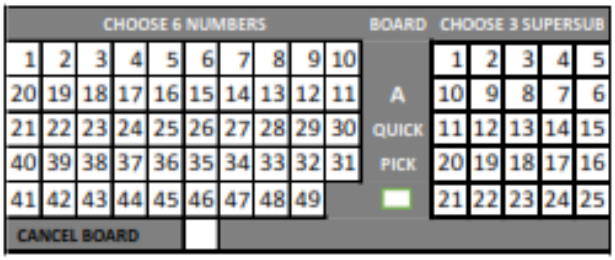
N.B.: Date of registration (DR) is either Date of lodgement (22) or Date of convention of application (32) whichever is the earlier.

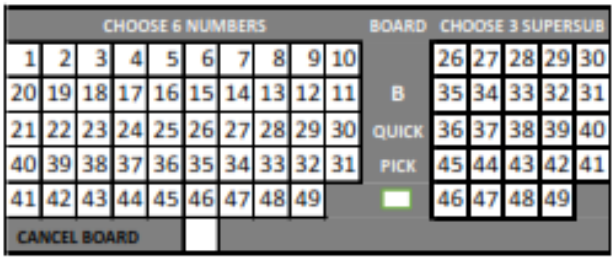
Registrar of Designs

21: A2020/01168 22: 2020-08-28 23:
43: 1900-01-01
52: Class 22 24: Part A
71: HOWARD, Trevor David
54: A FIREARM SUPPRESSOR
57: The novelty of the design resides in the shape and/or configuration of a firearm suppressor, substantially as shown in the accompanying representations.

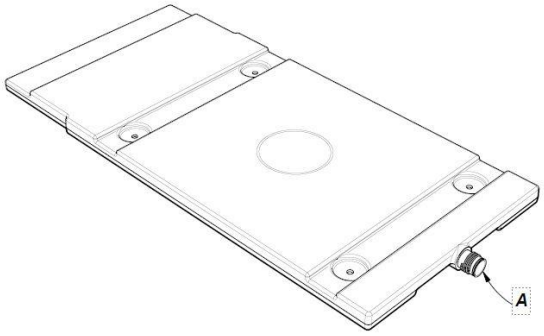


21: A2020/01318 22: 2020-10-02 23:
43: 2023-08-07
52: Class 21 24: Part A
71: Sello Nicholas Thantsa
54: SUPERSUB TICKET COUPON
57: The SUPER SUB TICKET COUPON will allow the customer to play a maximum number of 9 Numbers per betting board. On the left side of the board you'll find 49 Original Lotto winning numbers, and on the right hand side you'll find 25 numbers on one board and 24 numbers on the board that follows, that side consist of SUPERSUB numbers.(SeeDiagram) The customer can buy Minimum 1 to Maximum 3 additional numbers to the six they have already placed a bet on,to win the National Lottery Jackpot. Each additional number placed a charge of R1.50. will be charged and for the same ball to qualify for lotto+plus the ball will cost R2.00. In addition the players are limited to BET between 1 to 25 or 26 to 49 SUPERSUB numbers to choose from per betting board, that will also influence how they place their bets.



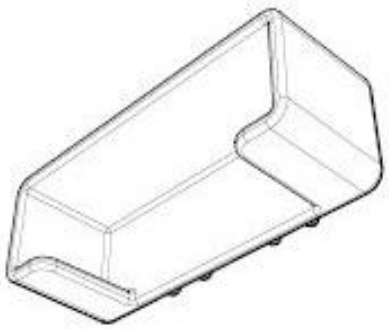


21: A2021/00654 22: 2021-06-04 23:
43: 2023-05-19
52: Class 09 24: Part A
71: MAGNETO IP HOLDINGS (PTY) LTD
54: BOTTLE
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration and/or ornamentation of the BOTTLE substantially as illustrated in the accompanying representations.

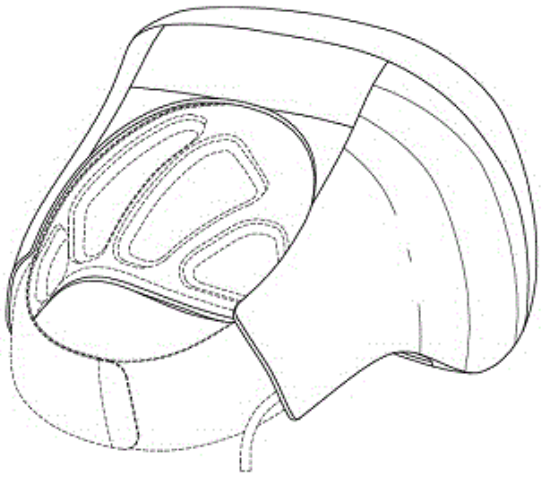


21: A2021/00655 22: 2021-06-04 23:

43: 2023-05-19
52: Class 09 24: Part A
71: MAGNETO IP HOLDINGS (PTY) LTD
54: LOCATING MEANS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration and/or ornamentation of the LOCATING MEANS substantially as illustrated in the accompanying representations.

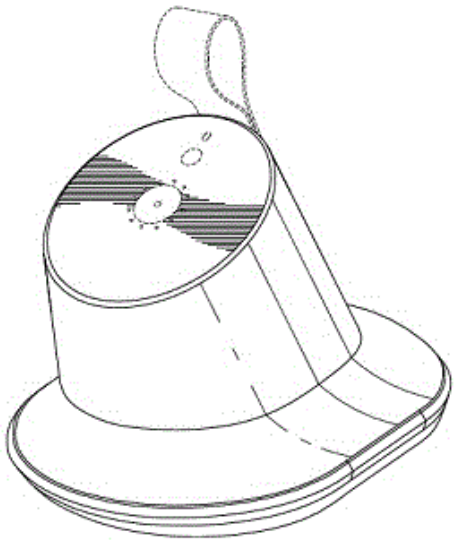


21: A2022/00460 22: 2022-04-28 23:
43: 2023-06-01
52: Class 24. 24: Part A
71: WAVE NEUROSCIENCE, INC.
33: US 31: 29/792,523 32: 2022-04-05
33: US 31: 29/789,962 32: 2021-10-27
54: Magnetic Resonance Treatment Headset
57: The design relates to a magnetic resonance treatment headset. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2022/00461 22: 2022-04-28 23:
43: 2023-06-01
52: Class 24. 24: Part A
71: WAVE NEUROSCIENCE, INC.
33: US 31: 29/789,962 32: 2021-10-27
33: US 31: 29/792,523 32: 2022-04-05
54: Magnetic Resonance Treatment Base
57: The design relates to a magnetic resonance treatment base. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2022/00486 22: 2022-05-09 23:
43: 2023-06-01
52: Class 12. 24: Part A
71: GREAT WALL MOTOR COMPANY LIMITED
33: CN 31: 202130739888.1 32: 2021-11-11
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: A2022/00523 22: 2022-05-13 23:
43: 2021-11-16
52: Class 12 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
33: EM(DE) 31: 008758643-0001 32: 2021-11-16
54: AUTOMOBILES
57: The design is for an automobile in the form of an SUV. A large grille is provided above a front bumper. The grille is rectangular and has two prominent horizontal trim strips. A pair of upright fins separates the grille from a pair of rectangular air inlet ports either side of the grille. Each air inlet port is fitted with two trim strips aligned with those of the grille. Two headlights are provided on the sides of a front, and a bonnet curves downwardly between the headlights. An inclined rear window extends between a roof and a tail with a subtle spoiler provided atop the rear window. A taillight bar extends around the tail, having a seamless appearance across sides of the body and the boot door. The automobile has a rear diffuser fitted with a pair of exhaust pipes. Overall, the automobile has a curved and sporty look.

Figure 1

Three-dimensional view

21: A2022/00524 22: 2022-05-13 23:
43: 2021-11-16
52: Class 12 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
33: EM(DE) 31: 008758643-0006 32: 2021-11-16
54: AUTOMOBILES
57: The design is for an automobile in the form of an SUV. A large rectangular grille having two horizontal trim strips is provided above a front bumper. A pair of upright fins separates the grille from a pair of rectangular air inlet ports either side, each fitted with a prominent trim strip aligned with a top one of the grille. Headlights are provided on the sides of a front, and a bonnet curves downwardly between the headlights. An inclined rear window extends between a roof and a tail with a subtle spoiler provided atop the rear window. A taillight bar extends around the tail, having a seamless appearance across sides of the body and the boot door. A rear diffuser is fitted with a pair of exhaust pipes. Undersides of the front and rear bumpers and side skirts are colour-coded. Overall, the automobile has a curved and sporty look.

Figure 1

Three-dimensional view

21: A2022/00525 22: 2022-05-13 23:
43: 2021-11-16
52: Class 12 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
33: EM(DE) 31: 008758643-0021 32: 2021-11-16
54: AUTOMOBILES
57: The design is for an automobile in the form of an SUV. A large rectangular grille is provided above a front bumper. A pair of upright fins separates the grille from a pair of rectangular air inlet ports either side of the grille, each fitted with subtle trim strips aligned with those of the grille. Smoked headlights are provided on the sides of a front, and a bonnet curves downwardly between the headlights. A roof curves gently downwardly at its rear and a rear window follows the curve towards a small tail spoiler.

A roof spoiler is provided atop the rear window. A taillight bar extends around the tail, having a seamless appearance across sides of the body and the boot door. A rear diffuser is fitted with a pair of central, oval exhaust pipes. Overall, the automobile has a curved and sporty look.

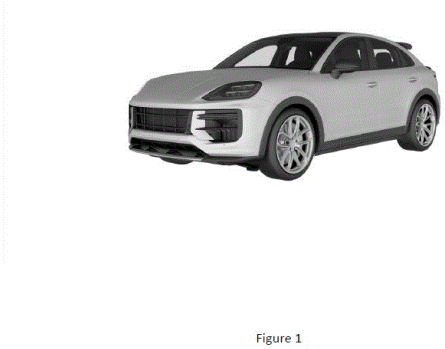


Figure 1

Three-dimensional view

21: A2022/00526 22: 2022-05-13 23:
43: 2021-11-16
52: Class 21 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
33: EM(DE) 31: 008758650-0001 32: 2021-11-16
54: AUTOMOBILES
57: The design is for an automobile in the form of an SUV. A large grille is provided above a front bumper. The grille is rectangular and has two prominent horizontal trim strips. A pair of upright fins separates the grille from a pair of rectangular air inlet ports either side of the grille. Each air inlet port is fitted with two trim strips aligned with those of the grille. Two headlights are provided on the sides of a front, and a bonnet curves downwardly between the headlights. An inclined rear window extends between a roof and a tail with a subtle spoiler provided atop the rear window. A taillight bar extends around the tail, having a seamless appearance across sides of the body and the boot door. The automobile has a rear diffuser fitted with a pair of exhaust pipes. Overall, the automobile has a curved and sporty look.

Figure 1

Three-dimensional view

21: A2022/00527 22: 2022-05-13 23:
43: 2021-11-16
52: Class 21 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
33: EM(DE) 31: 008758650-0002 32: 2021-11-16
54: AUTOMOBILES
57: The design is for an automobile in the form of an SUV. A large rectangular grille having two horizontal trim strips is provided above a front bumper. A pair of upright fins separates the grille from a pair of rectangular air inlet ports either side, each fitted with a prominent trim strip aligned with a top one of the grille. Headlights are provided on the sides of a front, and a bonnet curves downwardly between the headlights. An inclined rear window extends between a roof and a tail with a subtle spoiler provided atop the rear window. A taillight bar extends around the tail, having a seamless appearance across sides of the body and the boot door. A rear diffuser is fitted with a pair of exhaust pipes. Undersides of the front and rear bumpers and side skirts are colour-coded. Overall, the automobile has a curved and sporty look.

Figure 1

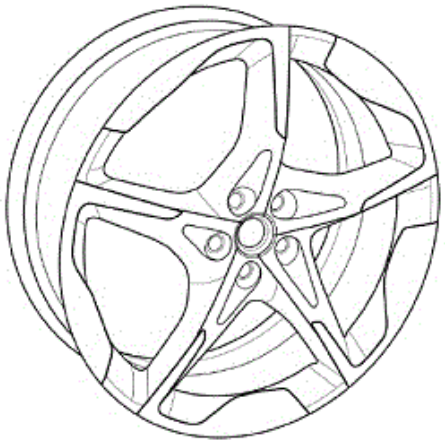
Three-dimensional view

21: A2022/00528 22: 2022-05-13 23:
43: 2021-11-16
52: Class 21 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
33: EM(DE) 31: 008758650-0005 32: 2021-11-16
54: AUTOMOBILES
57: The design is for an automobile in the form of an SUV. A large rectangular grille is provided above a front bumper. A pair of upright fins separates the grille from a pair of rectangular air inlet ports either side of the grille, each fitted with subtle trim strips aligned with those of the grille. Smoked headlights are provided on the sides of a front, and a bonnet curves downwardly between the headlights. A roof curves gently downwardly at its rear and a rear window follows the curve towards a small tail spoiler. A roof spoiler is provided atop the rear window. A taillight bar extends around the tail, having a seamless appearance across sides of the body and the boot door. A rear diffuser is fitted with a pair of central, oval exhaust pipes. Overall, the automobile has a curved and sporty look.

Figure 1

Three-dimensional view

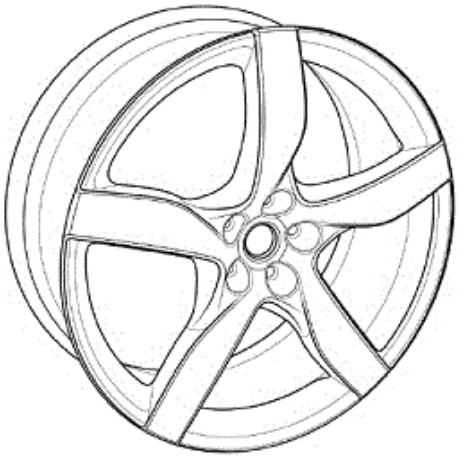
21: A2022/00970 22: 2022-08-19 23:
43: 2023-06-01
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: DM/220503 32: 2022-02-22
54: Wheel Rim for Vehicles
57: The design relates to a wheel rim for vehicles. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2022/00971 22: 2022-08-19 23:
43: 2023-06-01
52: Class 12. 24: Part A

71: FERRARI S.P.A.
33: IB 31: DM/220503 32: 2022-02-22
54: Wheel Rim for Vehicles
57: The design relates to a wheel rim for vehicles. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2022/00972 22: 2022-08-19 23:
43: 2023-06-01
52: Class 26. 24: Part A
71: FERRARI S.P.A.
33: IB 31: DM/221148 32: 2022-02-22
54: A Rear Light Group for Vehicles
57: The design relates to a rear light group for vehicles. The features of the design are those of shape and/or configuration and/or ornamentation.

PERSPECTIVE VIEW

21: A2022/01055 22: 2022-09-08 23:
43: 2022-09-08
52: Class 15 24: Part A
71: Walrus Pump Co., Ltd.
54: PUMPS
57: The design is for a pump that has an elongate body having an upper, component housing and lower, motor housing. The motor housing is substantially cylindrical and has a series of outwardly projecting horizontal fins. The component housing is elongate but irregularly shaped, and has a stepped top face comprising a substantially lower portion with a control dial and a raised portion having an obround profile. A rectangular access member is fitted on a rear of the raised portion and a conduit terminal protrudes outwardly from a bottom left corner of the rear end wall. A front of the pump has a dome-shaped cover that terminates in a frustoconical formation. The cover has an annular flange that is fastened to a front wall of the pump. A support foot is provided beneath the motor housing.

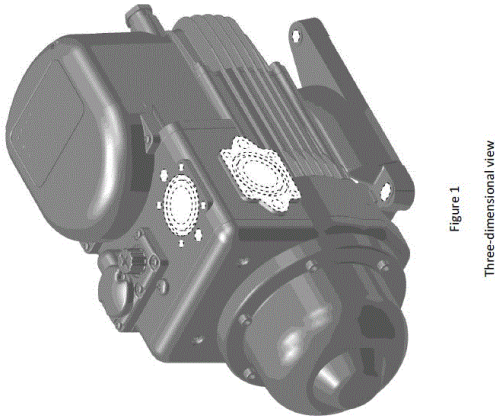
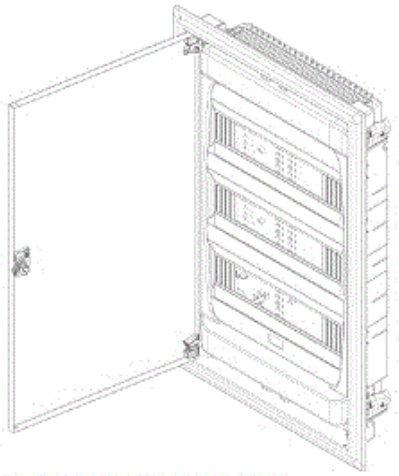


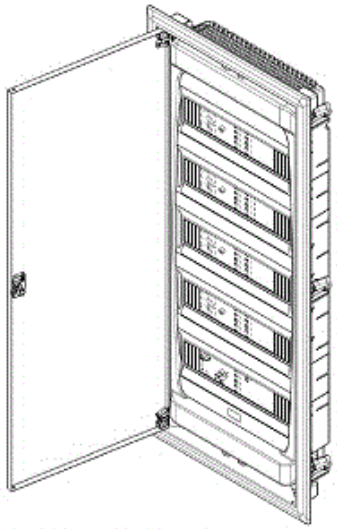
Figure 1
Three-dimensional view

21: A2022/01136 22: 2022-09-23 23:
43: 2023-06-07
52: Class 13. 24: Part A
71: IDE ELECTRIC S.L.
33: EM 31: 008920110-0003 32: 2022-03-29
54: Electrical Switchbox
57: The design relates to an electrical switchbox. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW
OPEN CONFIGURATION

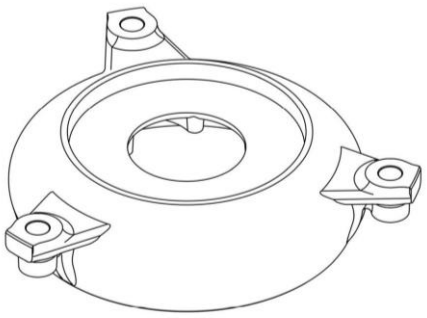
21: A2022/01137 22: 2022-09-23 23:
43: 2023-06-07
52: Class 13. 24: Part A
71: IDE ELECTRIC S.L.
33: EM 31: 008920110-0005 32: 2022-03-29
54: Electrical Switchbox
57: The design relates to an electrical switchbox. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW
OPEN CONFIGURATION

21: A2022/01177 22: 2022-10-04 23:
43: 2023-07-04
52: Class 15 24: Part A
71: 7D Team Pty Ltd
33: AU 31: 202211959 32: 2022-04-04

54: DIFFUSER FOR A PUMP
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: A2022/01350 22: 2022-10-27 23:
43: 2023-05-12
52: Class 12 24: Part A
71: NEO MATTHEWS MIDAKA
54: TRAILER REVERSING ADAPTER
57: The Trailer Reversing Adapter is a solid rectangular/square structure with drilled out fastening holes along the body of the adapter. It also has half circular grooved cut outs on both the top and bottom front sides which allows a half circular, side to side/left to right movement within the groove cuttings. The adapter has an inward circular or rounded curve on the inside of the adapter body. The hooking lever bar has a circular rounded end with drilled out hole slots along the bar, which fits into the front side, in between the top and bottom of the half circular grooved sides of the adapter. Thus allowing the half circular rounded end hook lever bar to have a frictional contact movement on the touch surfaces or points of both the adapter and hook lever bar where they make contact.

21: A2022/01396 22: 2022-11-04 23:
43: 2022-05-05
52: Class 12 24: Part A
71: Scania CV AB

33: EM(SE) 31: 009017130-0001 32: 2022-05-05
54: PANELS FOR VEHICLES
57: The design is for a panel for a vehicle. The panel includes a body having a front face and rear face. The body has an upper elongate edge and a lower elongate edge that is shorter than the upper edge, a concave edge on one side of the body and an upright edge on the other side of the body. The upright edge transitions into an outwardly flared portion that terminates in a retention formation. The front face includes a horizontally extending contoured recess along its lower part. The body defines a rectangular window on an upper portion thereof proximate the concave edge.

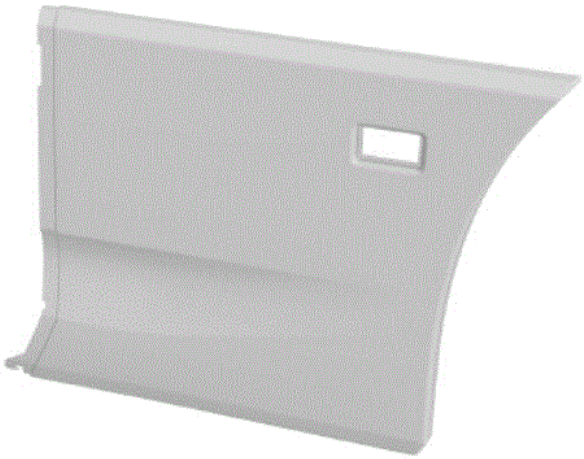


Figure 1

Three-dimensional view

21: A2022/01397 22: 2022-11-04 23:
43: 2022-05-05
52: Class 12 24: Part A
71: Scania CV AB
33: EM(SE) 31: 009017130-0002 32: 2022-05-05
54: PANELS FOR VEHICLES
57: The design is for a panel for a vehicle. The panel includes a body having a front face and a rear face. The body has an elongate lower edge and a shorter elongate upper edge that defines a gap, an upright side edge that terminates in a lower bevelled/inwardly inclined section on one side of the body and, on the other side of the body, a stepped side edge that includes an upright lower portion, a horizontal portion with a slight incline at its inner end, and an upright upper portion. A rectangular recess is provided in the front face below the horizontal portion of the stepped side edge and defines a window therein. A horizontally extending contour line extends between the side edges proximate a lower portion of the front face. A contoured recess is provided on the front face below the contour line.

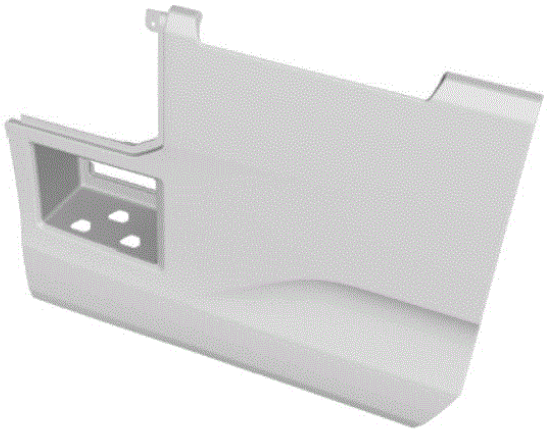


Figure 1

Three-dimensional view

21: A2022/01398 22: 2022-11-04 23:
43: 2022-05-05
52: Class 12 24: Part A
71: Scania CV AB
33: EM(SE) 31: 009017130-0003 32: 2022-05-05
54: PANELS FOR VEHICLES
57: The design is for a panel for a vehicle. The panel includes a body having a front face and a rear face. The body has an elongate lower edge and an elongate upper edge, an upright side edge that terminates in a lower bevelled/inwardly inclined section on one side of the body and, on the other side of the body, a side edge that includes an upright major portion and a curved minor portion. A rectangular window extends through the body proximate the curved minor portion. Two horizontally extending contour line extend along at top part and a bottom part of the front face. A contoured recess is provided on the front face above the lower horizontal line.

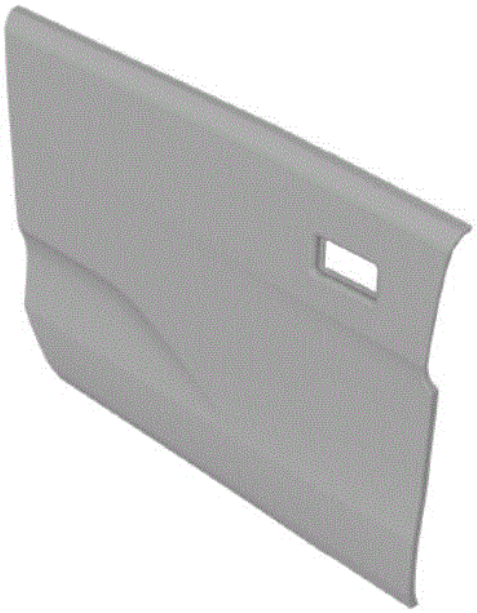


Figure 1

Three-dimensional view

21: A2022/01399 22: 2022-11-04 23:
43: 2022-05-05
52: Class 12 24: Part A
71: Scania CV AB
33: EM(SE) 31: 009017130-0004 32: 2022-05-05
54: PANELS FOR VEHICLES
57: The design is for a panel for a vehicle. The panel includes a body having a front face and a rear face. The body has an elongate lower edge and an elongate upper edge that is the same length as the lower edge, an upright side edge that terminates in a lower bevelled/inwardly inclined section on one side of the body and, on the other side of the body, upright side edge that terminates in a lower flared portion that defines a retention formation. A rectangular window extends through the body at a top side. A contoured recess is provided on a bottom of the front face.

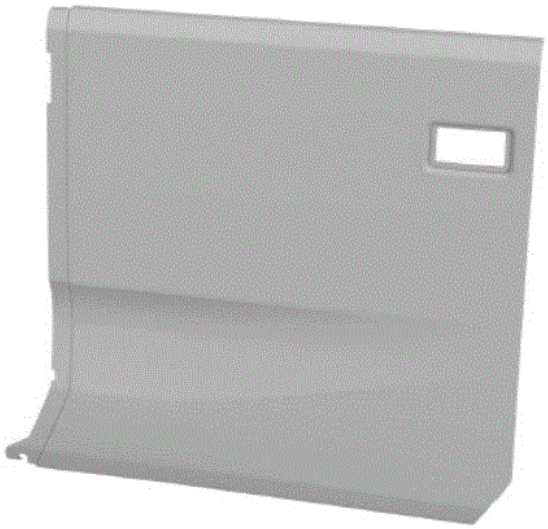


Figure 1

Three-dimensional view

21: A2022/01400 22: 2022-11-04 23:
43: 2022-05-05
52: Class 12 24: Part A
71: Scania CV AB
33: EM(SE) 31: 009017130-0005 32: 2022-05-05
54: PANELS FOR VEHICLES
57: The design is for a panel for a vehicle. The panel includes an elongate body having a front face and a rear face. The body has an elongate lower edge and a shorter elongate upper edge that defines a gap, an upright side edge that terminates in a lower bevelled edge on one side of the body and, on the other side, a stepped side edge that includes an upright lower portion, a horizontal portion with a slight incline at its inner end, and an upright upper portion. A rectangular recess is provided in the front face below the horizontal portion of the stepped side edge. The body defines a window on an upper portion thereof proximate the upright side edge. A horizontally extending contoured recess is provided in a bottom half of the front face. Spaced apart upright grooves are provided along the length of the front face.

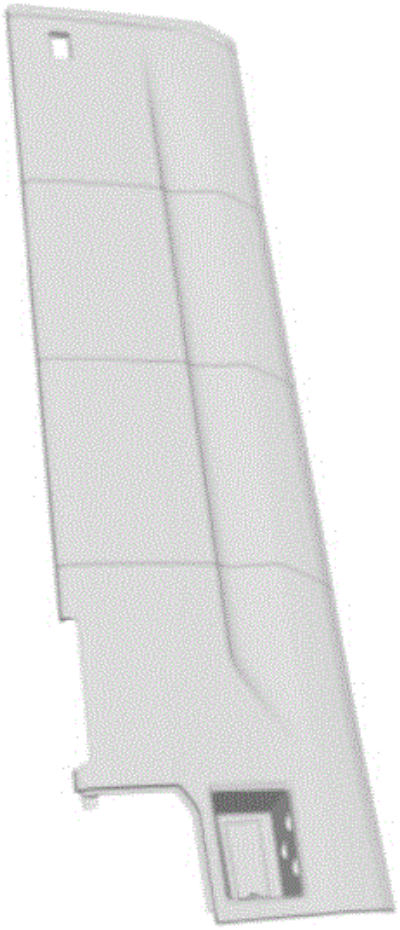
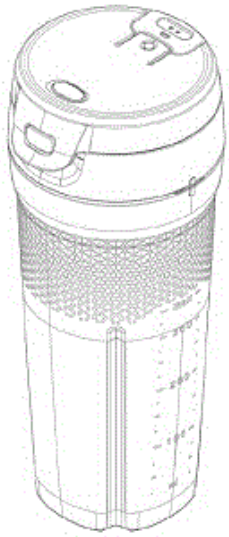


Figure 1

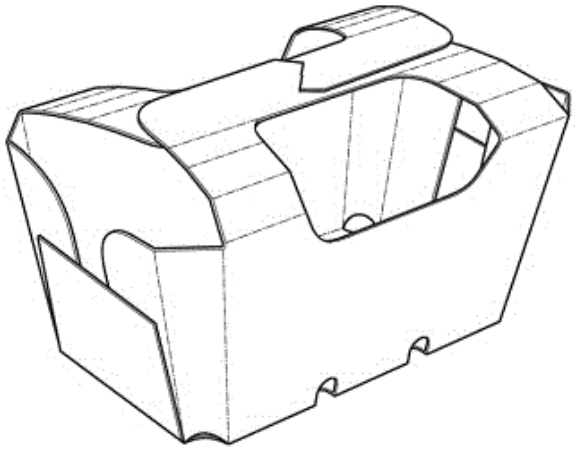
Three-dimensional view

21: A2022/01404 22: 2022-11-08 23:
43: 2023-06-07
52: Class 31. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/838,673 32: 2022-05-13
54: Portable Drink Blender
57: The design relates to a portable drink blender. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP FRONT PERSPECTIVE VIEW

21: A2022/01405 22: 2022-11-08 23:
43: 2023-06-07
52: Class 9. 24: Part A
71: MPACT LIMITED
54: Punnet with Handle
57: The design relates to punnet with handle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW IN CLOSED CONFIGURATION

21: A2022/01413 22: 2022-11-09 23:
43: 2023-06-07
52: Class 12. 24: Part A
71: HONDA MOTOR CO., LTD.
33: JP 31: 2022-010149 32: 2022-05-13

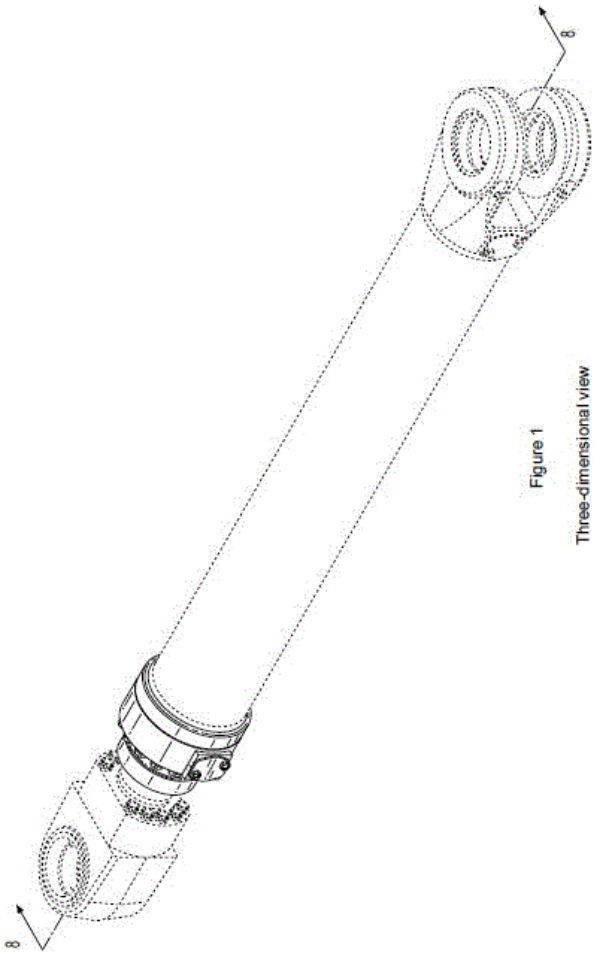
54: Motorcycle
57: The design relates to a motorcycle. The features of the design are those of shape and/or configuration and/or ornamentation.

FRONT RIGHT SIDE
PERSPECTIVE VIEW

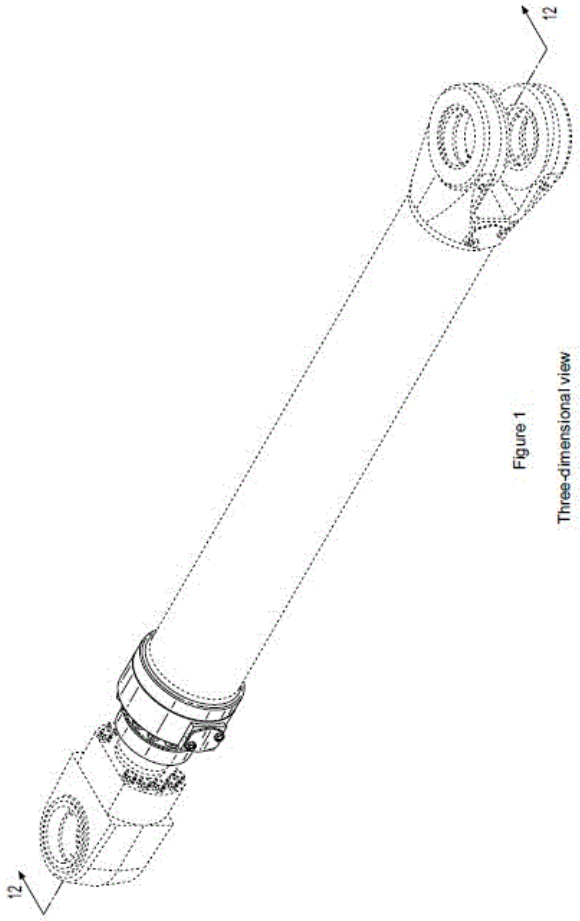
21: A2022/01414 22: 2022-11-09 23:
43: 2022-05-10
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/864,123 32: 2022-05-10
54: BACK-UP RINGS
57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to a back-up ring which may be used for a buffer seal of a hydraulic cylinder.

Figure 1
Three-dimensional view

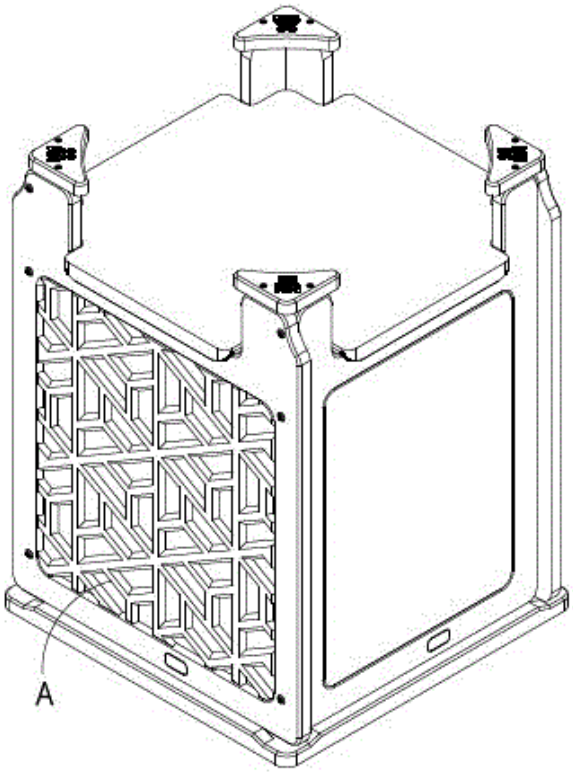
21: A2022/01415 22: 2022-11-09 23:
43: 2022-05-10
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/864,126 32: 2022-05-10
54: CYLINDERS
57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to a hydraulic cylinder, which may be used for a machine.



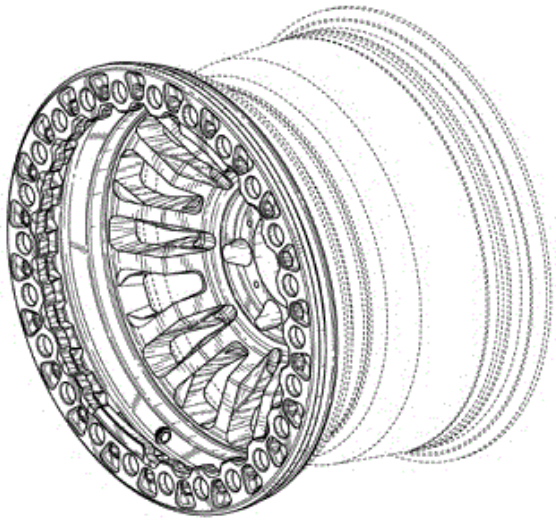
21: A2022/01417 22: 2022-11-09 23:
43: 2022-05-10
52: Class 15 24: Part A
71: Caterpillar Inc.
33: US 31: 29/864,126 32: 2022-05-10
54: CYLINDERS
57: The features of the design are illustrated in the overall appearance of the design. It is this overall appearance that is particular to the claimed design. This design relates to a hydraulic cylinder, which may be used for a machine.



21: A2022/01435 22: 2022-11-10 23:
43: 2022-11-10
52: Class 25 24: Part A
71: BETRAM (PROPRIETARY) LIMITED
54: Tank Stands
57: The design is in respect of a tank stand for supporting a water tank. The tank stand comprises a base, four sides which extend upwardly from the base and a top which is supported on the tops of the sides. The base, sides and top are formed of panels of a precast cementitious material. An upper edge of each side panel includes a central portion and end portions which protrude beyond the central portion. The end portions of adjacent side panels form raised corners which serve to locate a tank in position on the tank support. Corner elements are mounted on the end portions of adjacent side panels and further serve to locate a tank in position.

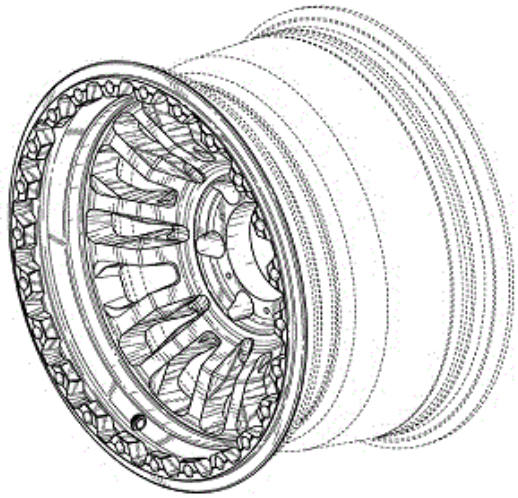


21: A2022/01463 22: 2022-11-14 23:
43: 2023-06-07
52: Class 12. 24: Part A
71: WHEEL PROS, LLC
33: US 31: 29/852,706 32: 2022-09-08
54: Wheel
57: The design relates to a wheel. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2022/01464 22: 2022-11-14 23:
43: 2023-06-07
52: Class 12. 24: Part A
71: WHEEL PROS, LLC
33: US 31: 29/852,705 32: 2022-09-08
54: Wheel
57: The design relates to a wheel. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



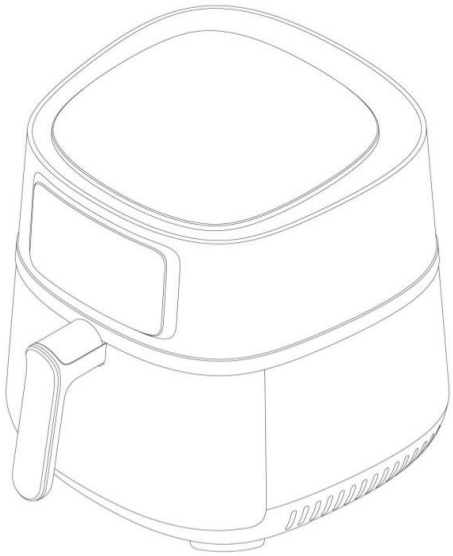
PERSPECTIVE VIEW

21: A2022/01465 22: 2022-11-14 23:
43: 2023-06-07
52: Class 12. 24: Part A
71: WHEEL PROS, LLC

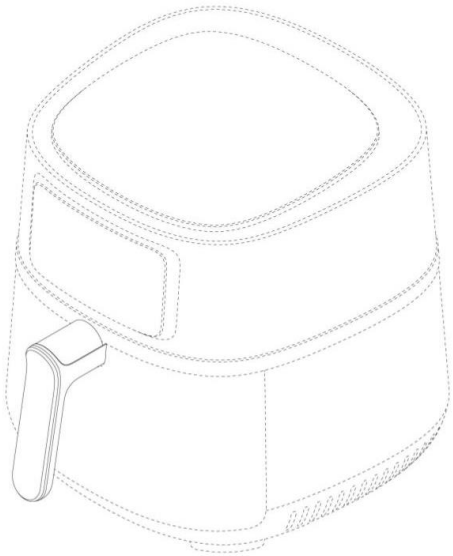
33: US 31: 29/840,445 32: 2022-05-28
54: Beadlock
57: The design relates to a beadlock. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

PERSPECTIVE VIEW

21: A2022/01466 22: 2022-11-15 23:
43: 2023-07-12
52: Class 07 24: Part A
71: Philips Domestic Appliances Holding B.V.
33: EU 31: 009030158-0001 32: 2022-05-19
54: AIR FRYER
57: The design is for an air fryer. The air fryer has a lower section with a handle attached to a pull-out basket, and an upper section with a control panel and display.

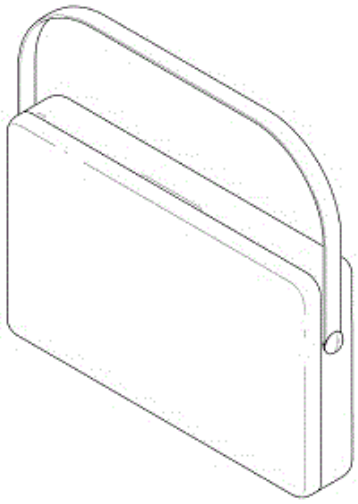


21: A2022/01467 22: 2022-11-15 23:
43: 2023-07-12
52: Class 07 24: Part A
71: Philips Domestic Appliances Holding B.V.
33: EU 31: 009030158-0002 32: 2022-05-19
54: AIR FRYER
57: The design is for a handle of an air fryer. The handle is attached to a pull-out basket of an air fryer.



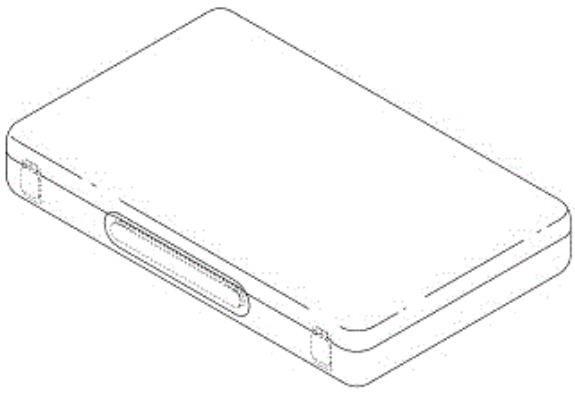
21: A2022/01468 22: 2022-11-15 23:
43: 2023-06-07
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
54: Television Receiver

57: The design relates to a television receiver. The features of the design are those of shape and/or configuration.



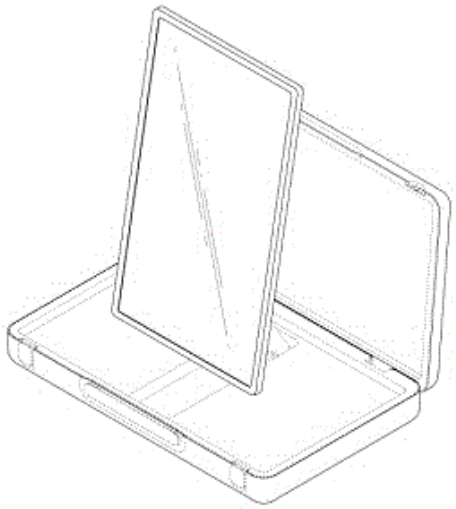
PERSPECTIVE VIEW

21: A2022/01469 22: 2022-11-15 23:
43: 2023-06-07
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2022-0022092 32: 2022-06-02
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration.



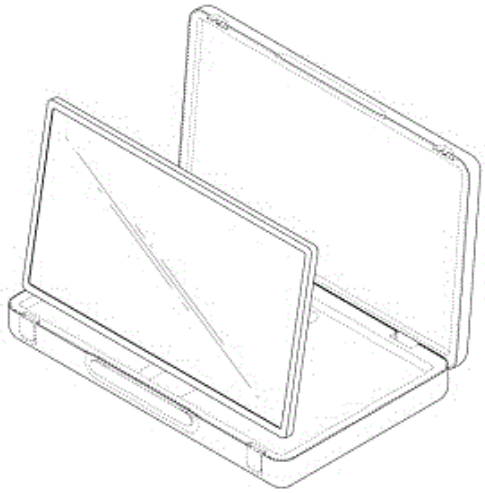
FRONT PERSPECTIVE VIEW

21: A2022/01470 22: 2022-11-15 23:
43: 2023-06-07
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2022-0022094 32: 2022-06-02
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration.



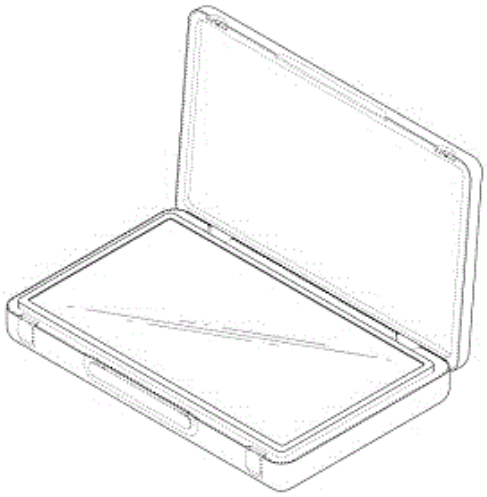
FRONT PERSPECTIVE VIEW

21: A2022/01471 22: 2022-11-15 23:
43: 2023-06-07
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2022-0022095 32: 2022-06-02
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration.



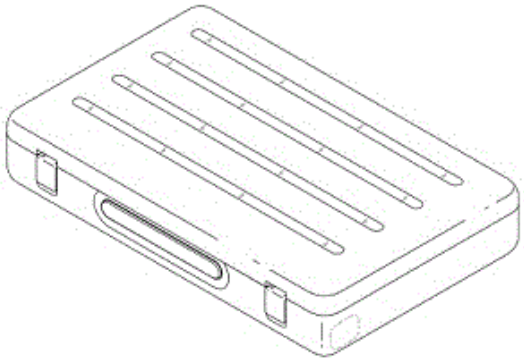
FRONT PERSPECTIVE VIEW

21: A2022/01472 22: 2022-11-15 23:
43: 2023-06-07
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2022-0022096 32: 2022-06-02
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration.



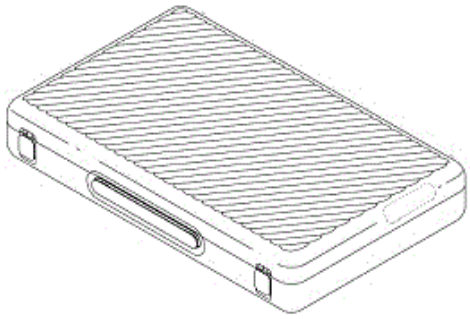
PERSPECTIVE VIEW

21: A2022/01473 22: 2022-11-15 23:
43: 2023-06-29
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2022-0022097 32: 2022-06-02
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2022/01474 22: 2022-11-15 23:
43: 2023-06-29
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2022-0022098 32: 2022-06-02
54: Television Receiver
57: The design relates to a television receiver. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2022/01475 22: 2022-11-15 23:
43: 2023-06-07
52: Class 14. 24: Part A
71: LG ELECTRONICS INC.
33: KR 31: 30-2022-0022099 32: 2022-06-02
54: Arm for a Television Receiver

57: The design relates to an arm for a television receiver. The features of the design are those of shape and/or configuration.

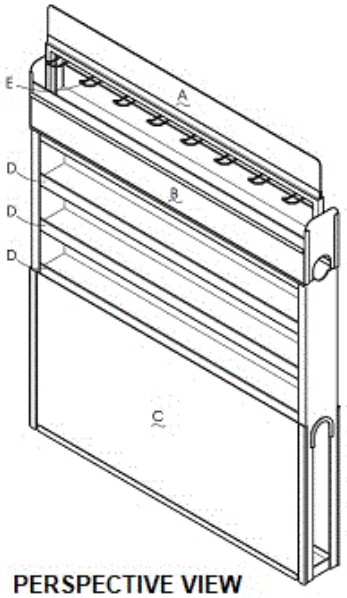
FRONT PERSPECTIVE VIEW

21: A2022/01479 22: 2022-11-16 23:
43: 2023-07-10
52: Class 23 24: Part A
71: BLUESUN CONSUMER BRANDS, S.L.
33: EU 31: 009027725-0001 32: 2022-05-17
54: DEODORANT HOLDER
57: The design is applied to sanitaryware and specifically to a container or holder to hold a deodorant or deodoriser. The shape and/or configuration and/or pattern and/or ornamentation of the deodorant container is illustrated in the accompanying representation(s).

21: A2022/01484 22: 2022-11-16 23:
43: 2023-07-10
52: Class 26 24: Part A
71: BLUESUN CONSUMER BRANDS, S.L.
33: EU 31: 009027725-0006 32: 2022-05-17
54: DEODORANT HOLDER
57: The design is applied to sanitaryware and specifically to a container or holder to hold a deodorant or deodoriser. The shape and/or configuration and/or pattern and/or ornamentation of the deodorant container is illustrated in the accompanying representation(s).

21: A2022/01487 22: 2022-11-17 23:
43: 2023-07-04
52: Class 09 24: Part A
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: A2022/01495 22: 2022-11-17 23:
43: 2023-06-07
52: Class 20. 24: Part A
71: SMART CART (PTY) LTD
54: A Merchandise Display
57: The design relates to a merchandise display. The features of the design are those of shape and/or configuration.



PERSPECTIVE VIEW

21: A2022/01502 22: 2022-11-21 23:
43: 2023-07-12
52: Class 07 24: Part A
71: Philips Domestic Appliances Holding B.V.
33: EU 31: 009039985-0007 32: 2022-05-23
54: BLENDER
57: The design is for a blender. The blender includes a base having a control knob, a jug having a handle, and a lid.

21: A2022/01503 22: 2022-11-21 23:
43: 2023-07-12
52: Class 07 24: Part A
71: Philips Domestic Appliances Holding B.V.

33: EU 31: 009039985-0015 32: 2022-05-23
54: BLENDER
57: The design is for a blender. The blender includes a base having a control knob, and a jug having a handle.

21: A2022/01504 22: 2022-11-21 23:
43: 2023-07-10
52: Class 07 24: Part A
71: Philips Domestic Appliances Holding B.V.
33: EU 31: 009039985-0009 32: 2022-05-23
54: BLENDER
57: The design is for a blender. The blender includes a base having a control knob, a jug having a handle, and a lid.

21: A2022/01505 22: 2022-11-21 23:
43: 2022-05-30
52: Class 19 24: Part A
71: Japan Cash Machine Co., Ltd.
33: JP 31: 2022-11468 32: 2022-05-30
54: DOCUMENT VALIDATORS
57: The design is for a document validator comprising a rectangular body with a front wall, an inclined rear wall, a flat top wall, and bottom and flat vertical side walls. The front wall includes an elongate slit with five ancillary notches at an upper portion of the front wall and three junction holes at a lower portion. Bottom corners of the front wall include curved configurations. The top wall includes four elongated ventilation holes in two rows. The rear wall gradually lowers downwardly and outwardly from the top to the bottom wall. A rearward protrusion extends from a side wall transversely of the rear wall. A rectangular cover extends from a rear end of the top wall to the rear wall. The top wall defines an elongate depression before the cover.

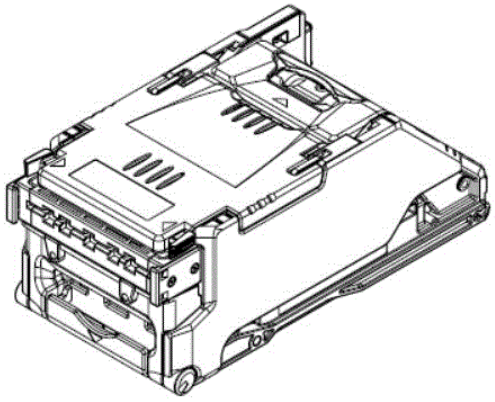


Figure 1
Three-dimensional view

21: A2022/01507 22: 2022-11-22 23:
43: 2023-06-07
52: Class 23. 24: Part A
71: BRITA SE
33: EM 31: 009040777-0001 32: 2022-05-24
54: Water Filter Cartridge
57: The design relates to a water filter cartridge. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

PERSPECTIVE VIEW

21: A2022/01508 22: 2022-11-22 23:
43: 2022-05-23
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 202230305816.0 32: 2022-05-23
54: CARS
57: The design is for a car and in particular for a sports utility vehicle having a silhouette with a tapered bonnet, a bow-shaped flowing windscreen and rearwardly inclined roofline, an inclined rear window, and a rectangular tailgate. A front face includes a rectangular radiator grille with a honeycomb pattern and includes a pair of slim, rectangular headlights with rearwardly extending ends and two pairs of square daytime running lights flanking the grille. An elongate air-intake grille is positioned below the grille. A waistline runs along each side of the car below each window and a side skirt extends across a bottom of the doors. Each rear window includes a trapezoidal member. A rear includes a pair of trapezoidal taillights and a pair of trapezoidal exhaust outlets.

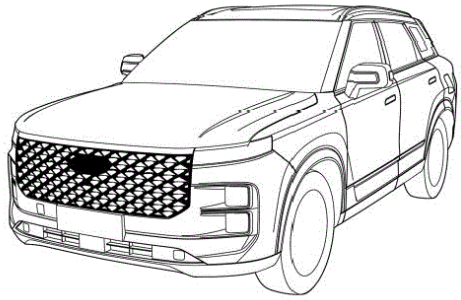
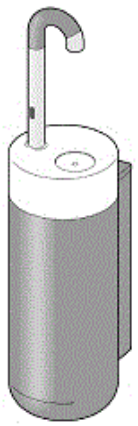


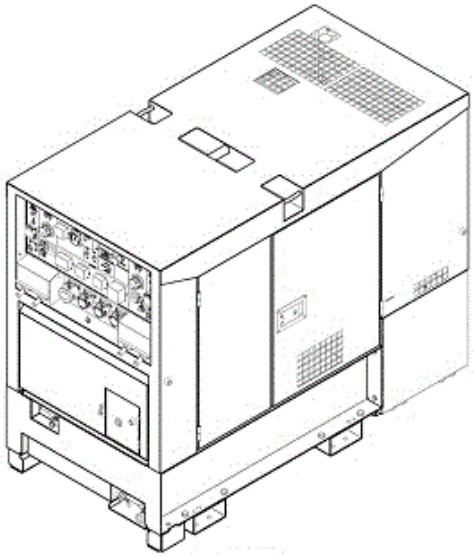
Figure 1
Three-dimensional view

21: A2022/01516 22: 2022-11-23 23:
43: 2023-06-07
52: Class 23. 24: Part A
71: MALLEN B.V.
33: EM 31: 009040181-0001 32: 2022-05-24
54: Drinking Fountain
57: The design relates to a drinking fountain. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2022/01523 22: 2022-11-24 23:
43: 2023-06-07
52: Class 15. 24: Part A
71: YAMABIKO CORPORATION
33: JP 31: 2022-012509 32: 2022-06-10
54: Engine Welder
57: The design relates to an engine welder. The features of the design are those of shape and/or configuration.



PERSPECTIVE VIEW

21: A2022/01530 22: 2022-11-29 23:
43: 2022-11-29
52: Class 12 24: Part A
71: WSR IP (PTY) LTD.

54: VEHICLE WHEEL RIMS
57: The design is for a vehicle wheel rim. The rim includes a barrel extending between an outboard face or outboard flange and an inbord rim edge or inboard flange. A dished center disc defines ten spokes extending radially between an axle mounting pad and the barrel. Each spoke defines a step formation that widens radially outwards towards the barrel and each spoke ends in a recess in the barrel. Radially outer end portions of the spokes are axially set back from the outboard flange. The radially outer end portions of the spokes extend radially inwardly substantially perpendicular to a centre line of the rim, wherafter the spokes bend in an axial direction away from the outboard flange and extend substantially linearly toward the centre pad. A generally frustoconical center cap is provided.

REPRESENTATION FOR PUBLICATION

21: A2022/01532 22: 2022-11-29 23:
43: 2022-05-31
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 202230328648.7 32: 2022-05-31
54: CARS
57: The design is for a car and, in particular, for a sports utility vehicle having a silhouette with a tapered bonnet, a bow-shaped flowing windscreen and rearwardly and downwardly inclined roofline, an inclined rear window, and a rectangular tailgate. A front face includes a rectangular radiator grille with a diamond-shaped pattern and includes a pair of slim, rectangular headlights with rearwardly extending ends and two pairs of square daytime running lights flanking the grille. An elongate air-intake grille is positioned below the radiator grille. A swage line runs along each side of the car below each window

and a side skirt extends across a bottom of the doors. Each rear window includes a trapezoidal member. A rear includes a pair of trapezoidal taillights and a pair of trapezoidal exhaust outlets.

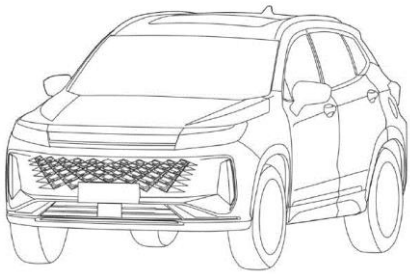
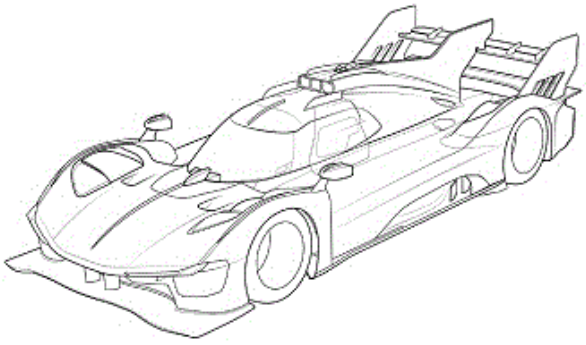


Figure 1

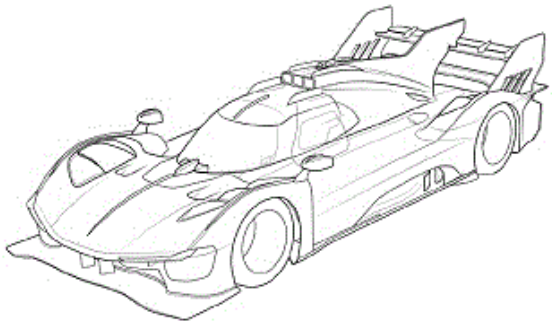
Three-dimensional view

21: A2022/01533 22: 2022-11-29 23:
43: 2023-06-07
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: DM/221272 32: 2022-05-31
54: Car
57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



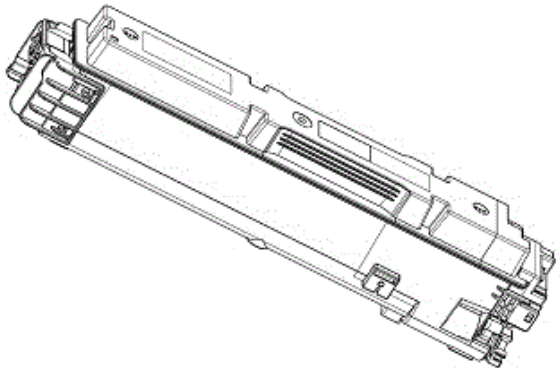
FRONT PERSPECTIVE VIEW

21: A2022/01534 22: 2022-11-29 23:
43: 2023-06-07
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: DM/221271 32: 2022-05-31
54: Toy Car
57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

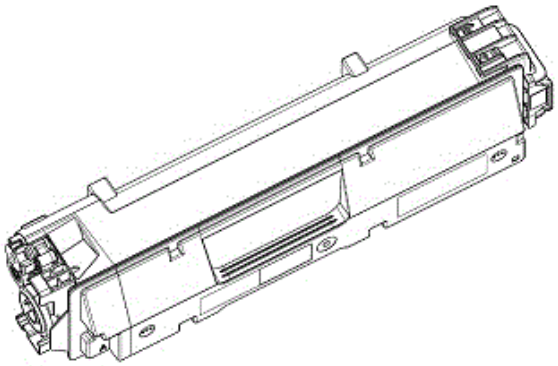
21: A2022/01535 22: 2022-11-30 23:
43: 2023-06-07
52: Class 18. 24: Part A
71: KYOCERA DOCUMENT SOLUTIONS INC.
54: Toner Cartridge
57: The design relates to a toner cartridge. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

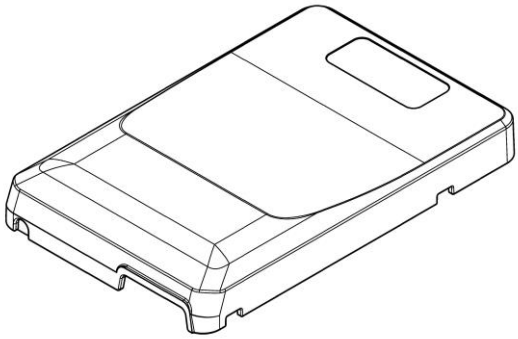
21: A2022/01536 22: 2022-11-30 23:
43: 2023-06-07
52: Class 18. 24: Part A
71: KYOCERA DOCUMENT SOLUTIONS INC.
33: JP 31: 2022-022994 32: 2022-10-24
54: Toner Cartridge

57: The design relates to a toner cartridge. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FIRST PERSPECTIVE VIEW

21: A2022/01537 22: 2022-11-30 23:
43: 2023-07-10
52: Class 13 24: Part A
71: PIMMS Group (Pty) Ltd
54: CABLE ENCLOSURE
57: The features of the design for which protection is claimed include the shape and/or configuration of the CABLE ENCLOSURE substantially as illustrated in the accompanying representations



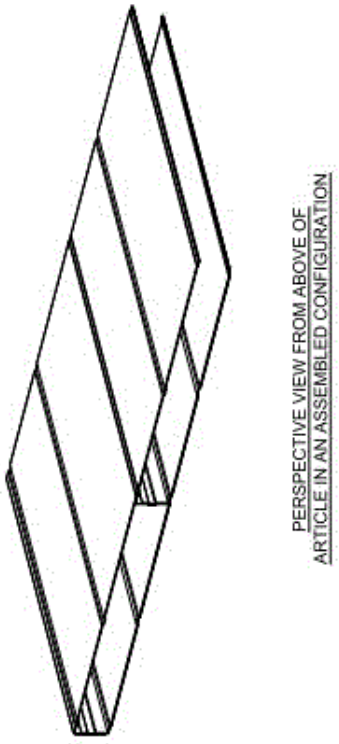
21: A2022/01542 22: 2022-12-01 23:
43: 2023-07-10
52: Class 28 24: Part A
71: Triple A Finance GmbH & Co. KG
33: WO 31: DM/223139 32: 2022-06-03
54: ANTI-WRINKLE APPLIANCES
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

21: A2022/01544 22: 2022-12-01 23:
43: 2023-07-10
52: Class 28 24: Part A
71: Triple A Finance GmbH & Co. KG
33: WO 31: DM/223139 32: 2022-06-03
54: ANTI-WRINKLE APPLIANCES
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).

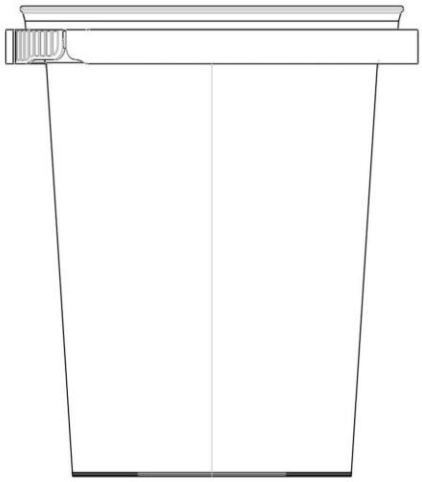
21: A2022/01546 22: 2022-12-01 23:
43: 2023-07-10
52: Class 28 24: Part A
71: Triple A Finance GmbH & Co. KG
33: WO 31: DM/223139 32: 2022-06-03
54: ANTI-WRINKLE APPLIANCES
57: The features of the design for which protection is claimed include the shape and/or configuration

and/or pattern of an article substantially as shown in the accompanying representation(s).

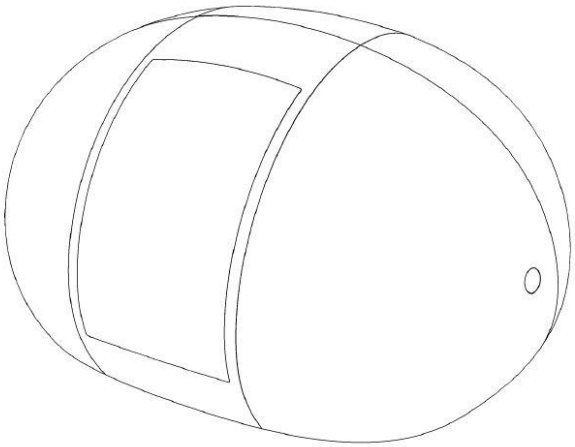
21: A2022/01582 22: 2022-12-07 23:
43: 2023-07-14
52: Class 25 24: Part A
71: VOS, Carlo
54: PROFILED SHEETS
57: The design relates to profiled sheets. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



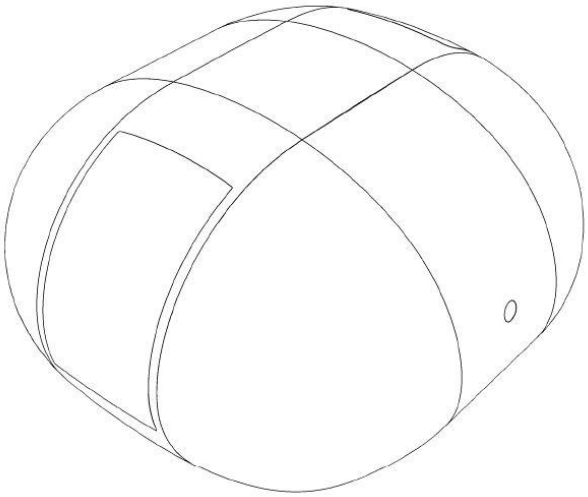
21: A2022/01589 22: 2022-12-08 23:
43: 2023-07-14
52: Class 07 24: Part A
71: Polyoak Packaging (Pty) Ltd
54: TUB
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



21: A2022/01591 22: 2022-12-08 23:
43: 2023-07-10
52: Class 25 24: Part A
71: SKULPOD (PTY) LTD
54: A SHELTER
57: The design is applied to a shelter. 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 a shelter, substantially as illustrated in the accompanying representation.

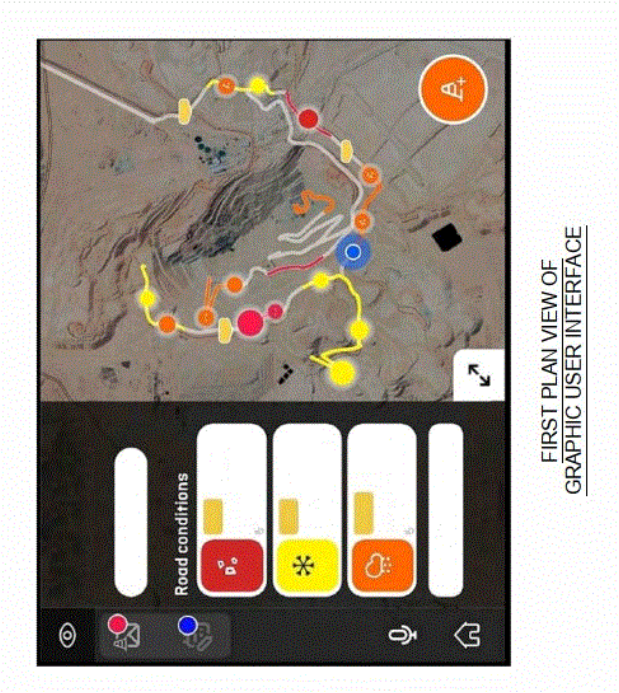


21: A2022/01592 22: 2022-12-08 23:
43: 2023-07-12
52: Class 25 24: Part A
71: SKULPOD (PTY) LTD
54: A SHELTER
57: The design is applied to a shelter. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of a shelter, substantially as illustrated in the accompanying representation.

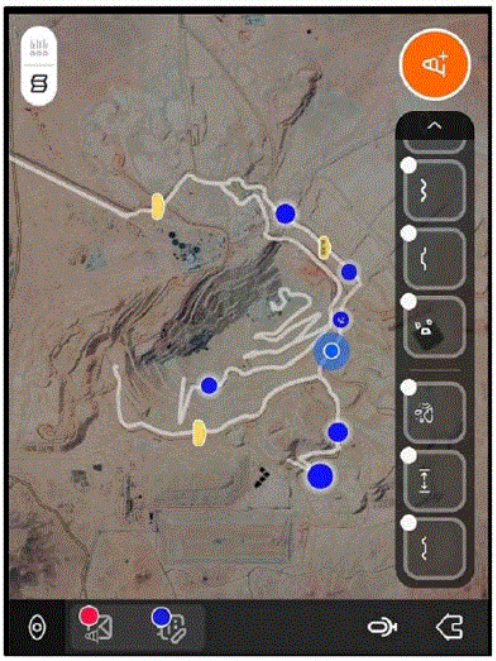


21: A2022/01593 22: 2022-12-09 23:
43: 2023-07-14
52: Class 14 24: Part A
71: COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
33: IM 31: WIPO118890 32: 2022-06-15

54: GRAPHIC USER INTERFACE
57: The design is to be applied to a graphic user interface. The features for which protection is claimed are those of configuration and/or ornamentation, substantially as shown in the representations.

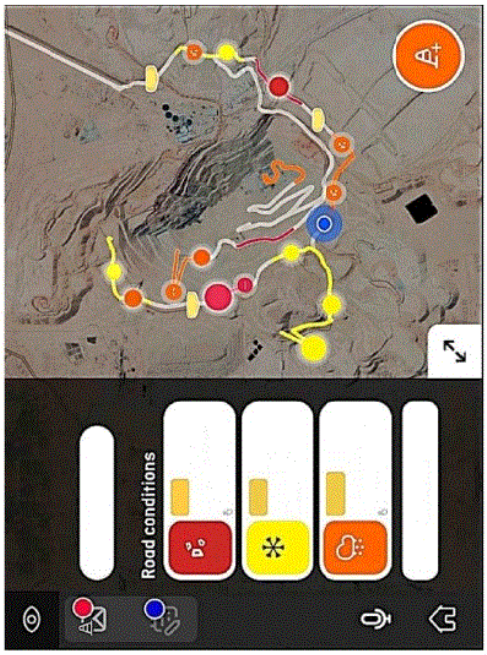


21: A2022/01594 22: 2022-12-09 23:
43: 2023-07-14
52: Class 14 24: Part A
71: COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
33: IM 31: WIPO118891 32: 2022-06-15
54: GRAPHIC USER INTERFACE
57: The design is to be applied to a graphic user interface. The features for which protection is claimed are those of configuration and/or ornamentation, substantially as shown in the representations.



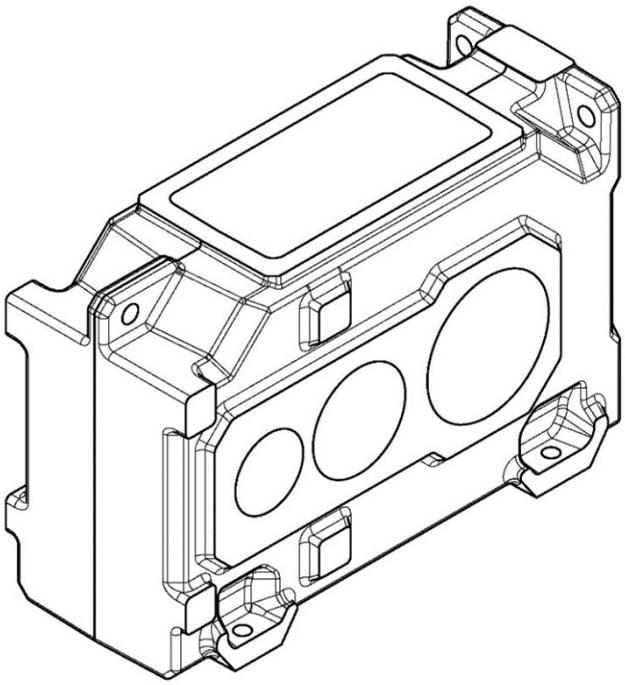
FIRST PLAN VIEW OF GRAPHIC USER INTERFACE

21: A2022/01595 22: 2022-12-09 23:
43: 2023-07-14
52: Class 14 24: Part A
71: COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
33: IM 31: WIPO118888 32: 2022-06-15
54: GRAPHIC USER INTERFACE
57: The design is to be applied to a graphic user interface. The features for which protection is claimed are those of configuration and/or ornamentation, substantially as shown in the representations.

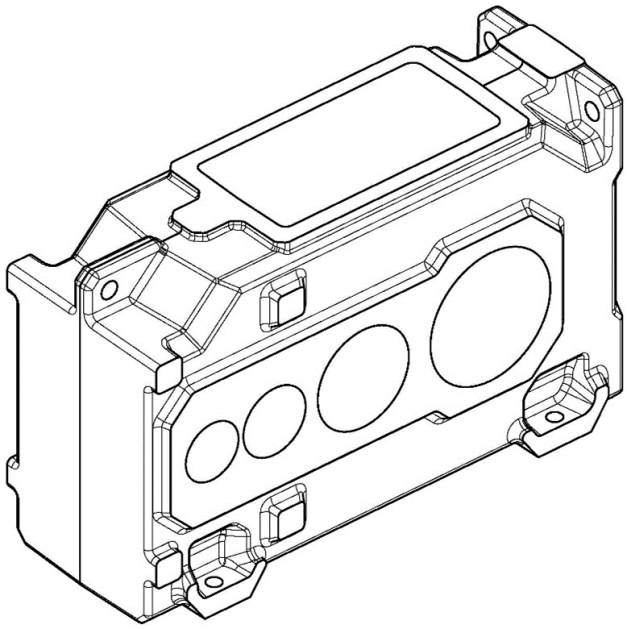


FIRST PLAN VIEW OF GRAPHIC USER INTERFACE

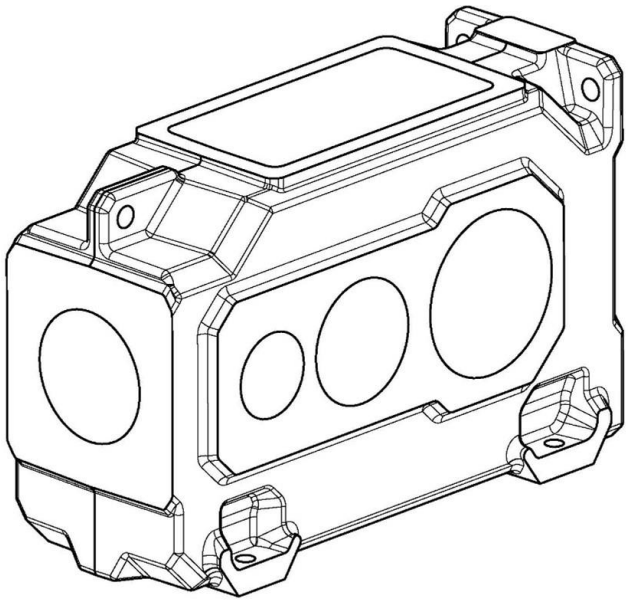
21: A2022/01601 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part A
71: FLENDER GMBH
33: EU 31: 009062136-0007 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear casing, substantially as illustrated in the accompanying representation.



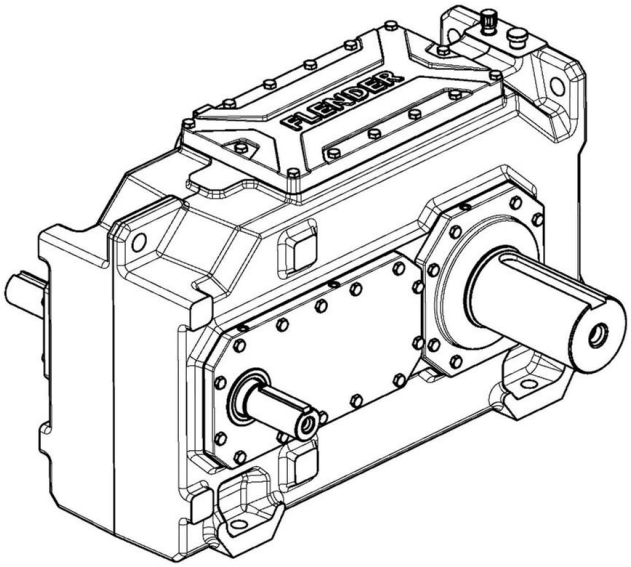
21: A2022/01604 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part A
71: FLENDER GMBH
33: EU 31: 009062136-0008 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear casing, substantially as illustrated in the accompanying representation.



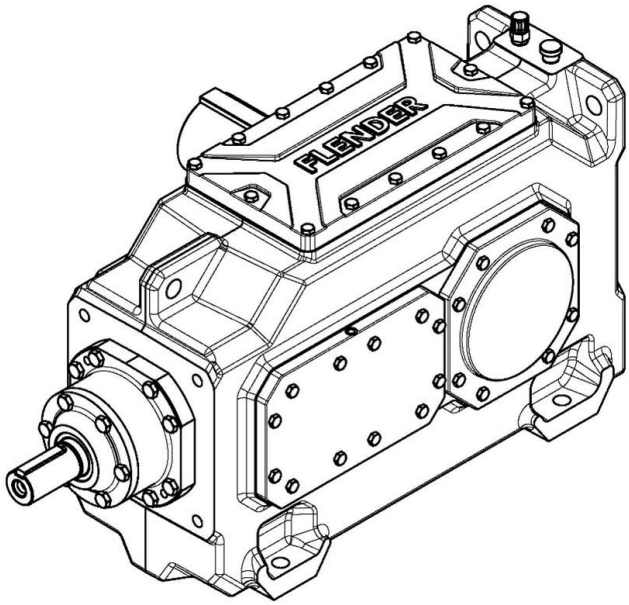
21: A2022/01607 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part A
71: FLENDER GMBH
33: EU 31: 009062136-0009 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear casing, substantially as illustrated in the accompanying representation.



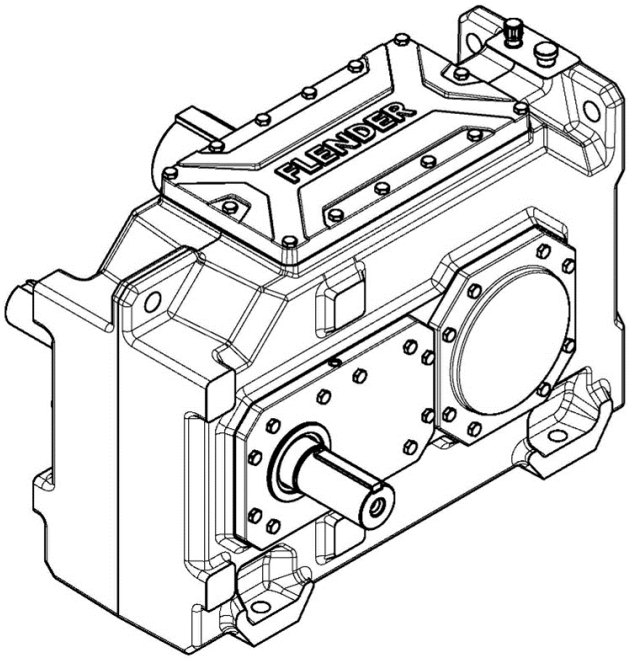
21: A2022/01610 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part A
71: FLENDER GMBH
33: EU 31: 009062136-0010 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear casing, substantially as illustrated in the accompanying representation.



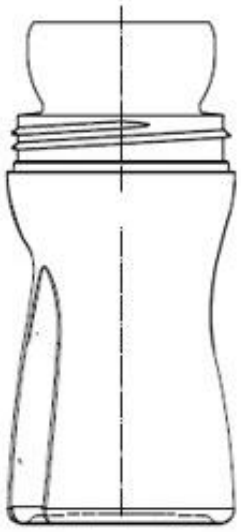
21: A2022/01612 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part A
71: FLENDER GMBH
33: EU 31: 009062136-0011 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear casing, substantially as illustrated in the accompanying representation.



21: A2022/01615 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part A
71: FLENDER GMBH
33: EU 31: 009062136-0012 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear casing, substantially as illustrated in the accompanying representation.

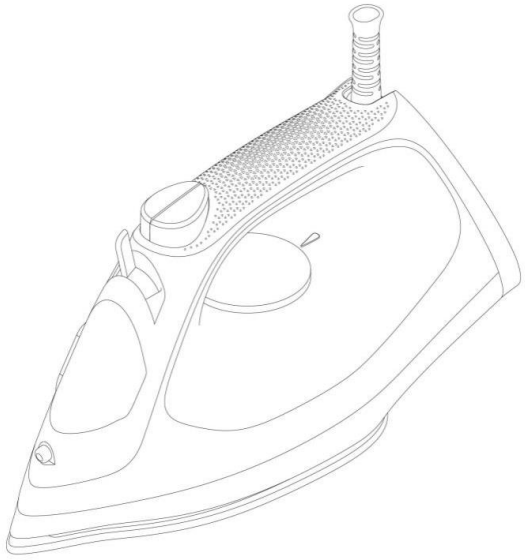


21: A2022/01668 22: 2022-12-19 23:
43: 2023-08-14
52: Class 09 24: Part A
71: Zeta Amenities Pty Ltd
54: DISPENSER
57: The design is applied to a dispenser. The features of the design for which protection is claimed reside in the shape, configuration and/or ornamentation of the dispenser substantially as shown in the accompanying representations.

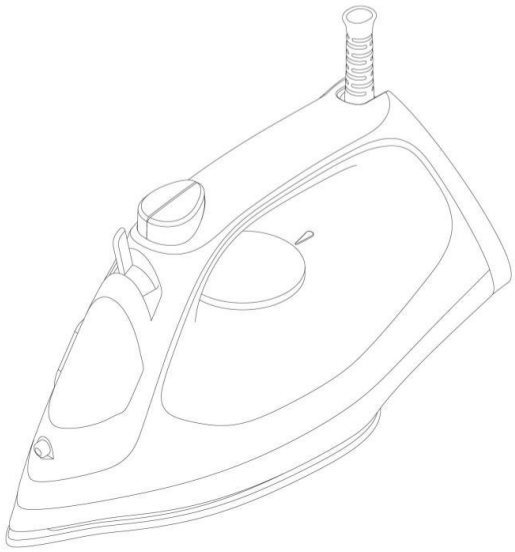


FRONT VIEW OF BOTTLE
WITHOUT ROLLER AND CAP

21: A2023/00005 22: 2023-01-03 23:
43: 2023-08-14
52: Class 07 24: Part A
71: Philips Domestic Appliances Holding B.V.
33: EU 31: 009071996-0001 32: 2022-06-28
54: ELECTRIC STEAM IRON
57: The design is for an electric steam iron.

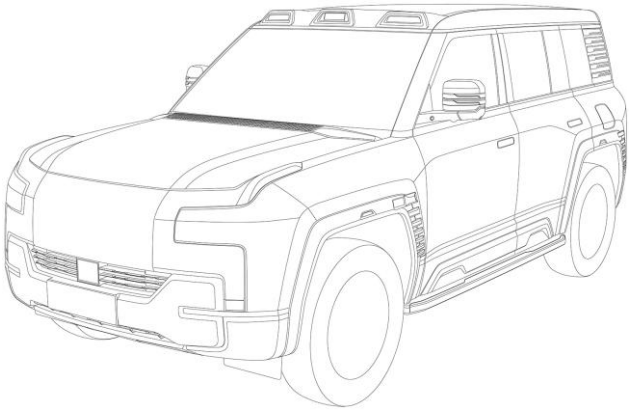


21: A2023/00006 22: 2023-01-03 23:
43: 2023-08-14
52: Class 07 24: Part A
71: Philips Domestic Appliances Holding B.V.
33: EU 31: 009071996-0002 32: 2022-06-28
54: ELECTRIC STEAM IRON
57: The design is for an electric steam iron.

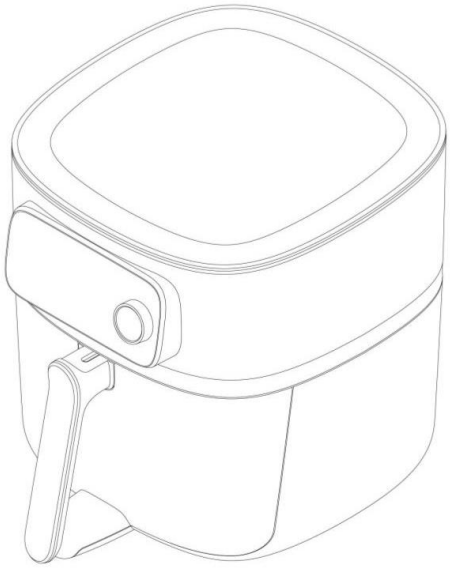


21: A2023/00050 22: 2023-01-10 23:
43: 2023-08-14
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202230444140.3 32: 2022-07-13
54: AUTOMOBILE

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.

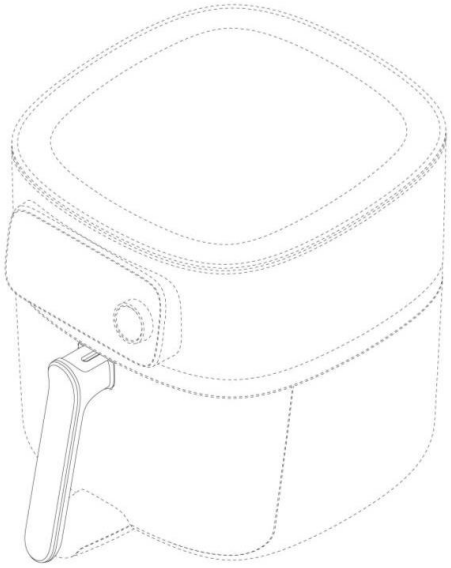


21: A2023/00060 22: 2023-01-13 23:
43: 2023-08-14
52: Class 07 24: Part A
71: Philips Domestic Appliances Holding B.V.
33: EU 31: 009086796-0001 32: 2022-07-14
54: AIR FRYER
57: The design is for an air fryer. The air fryer has a lower section with a handle attached to a pull-out basket, and an upper section with a control panel.

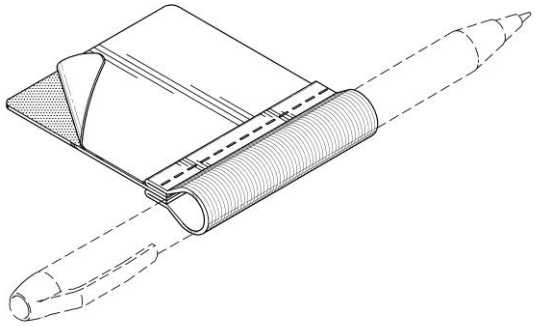


21: A2023/00061 22: 2023-01-13 23:
43: 2023-08-14
52: Class 07 24: Part A
71: Philips Domestic Appliances Holding B.V.
33: EU 31: 009086796-0003 32: 2022-07-14
54: AIR FRYER

57: The design is for an air fryer handle. The air fryer handle is attached to a pull-out basket of an air fryer.

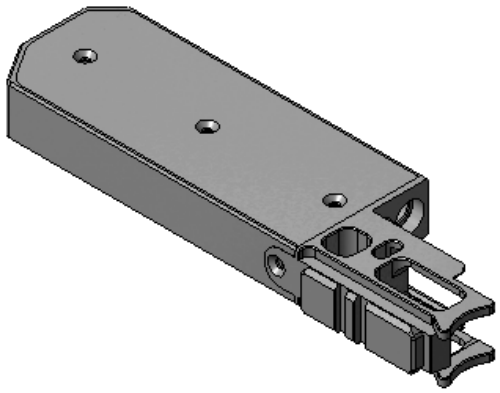


21: F2020/00964 22: 2020-07-13 23:
43: 1900-01-01
52: Class 19 24: Part F
71: OLIVIER, Magdelena Elizabeth
54: WRITING INSTRUMENT HOLDER
57: The design is for a writing instrument holder, such as a pen or pencil holder. The holder is made with a piece of woven or knitted elastic material having two raw edges that are secured with a first set of tabs. The piece of elastic material and first set of tabs are folded and sewn onto a second adhesive or magnetic tab, allowing the holder to be placed onto an object in use, such as a book, notepad, fridge, desk, tablet, and the like.

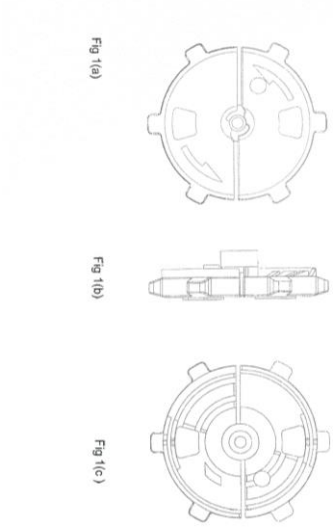


21: F2020/01167 22: 2020-08-28 23:
43: 1900-01-01
52: Class 22 24: Part F
71: HOWARD, Trevor David

54: A FIREARM SUPPRESSOR
57: The novelty of the design resides in the shape and/or configuration of a firearm suppressor, substantially as shown in the accompanying representations.

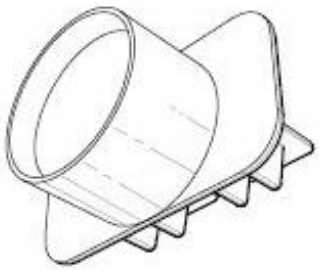


21: F2020/01197 22: 2020-09-03 23:
43: 2023-06-23
52: Class 13 24: Functional
71: HYDRADET (PTY) LTD
54: VAMPIRE CLIP
57: The design protection is in respect of the shape and/or configuration of a vampire clip for electric wires as shown in the representations.



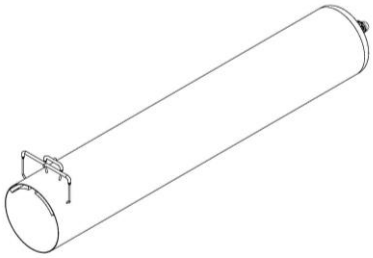
21: F2020/01211 22: 2020-09-07 23:
43: 2023-06-23
52: Class 9 24: Functional
71: RANGOUR PRODUCTS LTD
54: PACKAGING FOR A CONTAINER
57: The representation shows a perspective side view of packaging for a container in accordance with the design when the packaging is in use. The container and fastening strap do not form part of the design for which protection is claimed.

21: F2021/00652 22: 2021-06-04 23:
43: 2023-05-19
52: Class 09 24: Part F
71: MAGNETO IP HOLDINGS (PTY) LTD
54: LOCATING MEANS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration and/or ornamentation of the LOCATING MEANS substantially as illustrated in the accompanying representations.



21: F2022/00423 22: 2022-04-21 23:

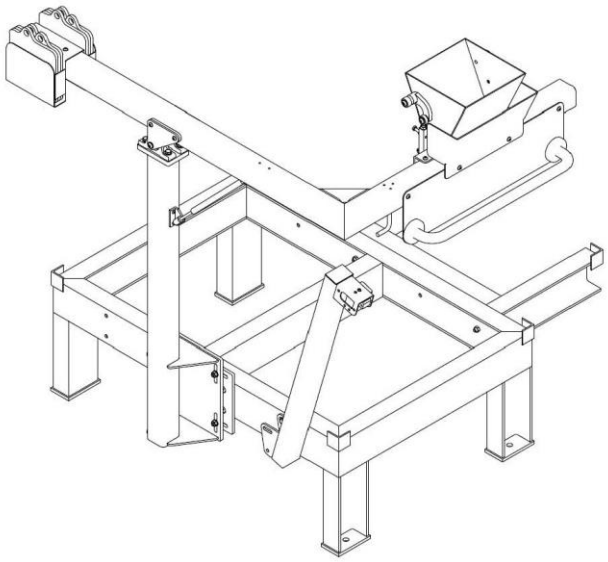
43: 2022-04-21
52: Class 23 24: Part F
71: NORTHSWAN ENGINEERING (PTY) LTD.
54: AUTOCLAVES
57: The design is for an autoclave for curing products. The autoclave includes a hollow, circular cylindrical body having a dome which closes off a rear end and an open front end operatively closed by a door. The autoclave further includes a radiator which is configured to convey a heated oil through an interior of the autoclave in order to heat up air inside the autoclave which in turn heats up a product. The radiator includes a pair of bifurcating manifolds comprising a reducing, stepped inlet manifold and a diffusing, stepped outlet manifold. The manifolds are connected in parallel and in fluid flow communication to a pair of spaced apart, upwardly and inwardly inclined heat exchangers. Each heat exchanger includes finned heating elements which are arranged in parallel.



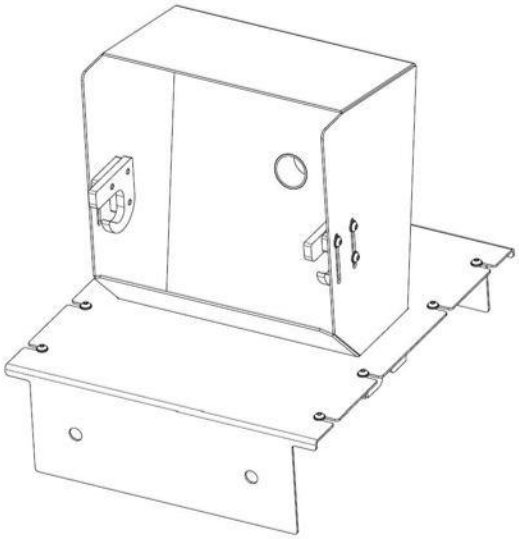
21: F2022/00575 22: 2022-05-24 23:
43: 2023-08-14
52: Class 24 24: Part F
71: BECKER, Gert Stephanus
54: SURGICAL GUIDE PIN
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.

FIRST PERSPECTIVE VIEW

21: F2022/00895 22: 2022-08-03 23:
43: 2023-06-05
52: Class 15 24: Part F
71: LOGAN COVE PTY LTD
33: AU 31: 202210642 32: 2022-02-03
54: CRUSHER COUNTERBALANCE LEVER ARM
57: The design is applied to a crusher counterbalance lever arm. The features of the design for which protection is claimed are those of the pattern and/or shape and/or configuration of a crusher counterbalance lever arm, substantially as illustrated in the accompanying representation.



21: F2022/00896 22: 2022-08-03 23:
43: 2023-06-05
52: Class 15 24: Part F
71: LOGAN COVE PTY LTD
33: AU 31: 202210643 32: 2022-02-03
54: CRUSHER HOPPER
57: The design is applied to a crusher hopper. The features of the design for which protection is claimed are those of the shape and/or configuration of the crusher hopper, substantially as illustrated in the accompanying representation.



21: F2022/00951 22: 2022-08-17 23:
43: 2023-07-04
52: Class 25 24: Part F
71: Juro Trading PTY LTD

54: KIOSK ROOF
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: F2022/01084 22: 2022-09-16 23:
43: 2023-06-23
52: Class 08 24: Part F
71: SPRINGLOK HOLDINGS (PTY) LTD
54: NUT
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of a nut substantially as illustrated the accompanying representations, wherein the stud included in Figures 9 and 10 is shown solely for illustrative purposes and forms no part of the claimed design.

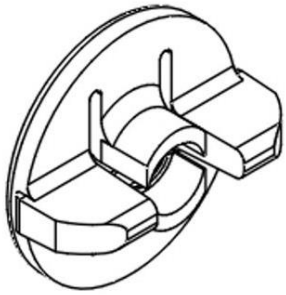
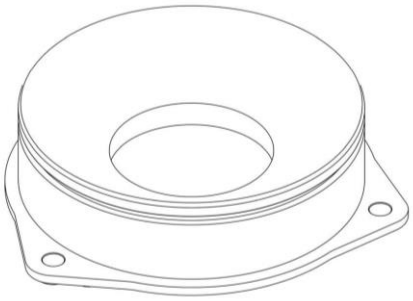


Figure 1

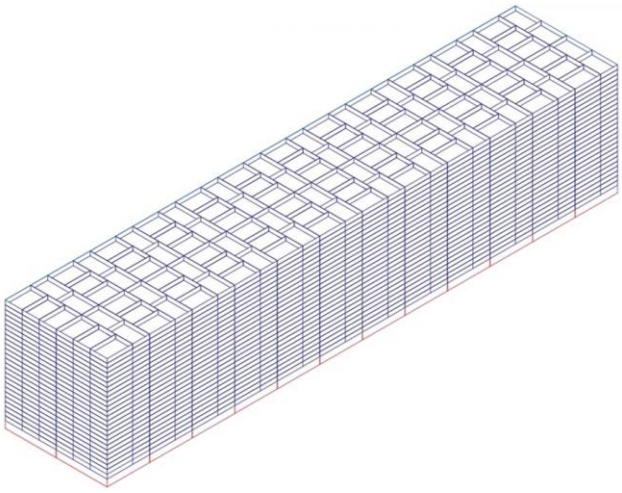
First perspective view

21: F2022/01188 22: 2022-10-04 23:
43: 2023-07-04
52: Class 15 24: Part F
71: 7D Team Pty Ltd
33: AU 31: 202211964 32: 2022-04-04
54: WEAR PLATE FOR A PUMP
57: The features of the design for which protection is claimed include the shape and/or configuration

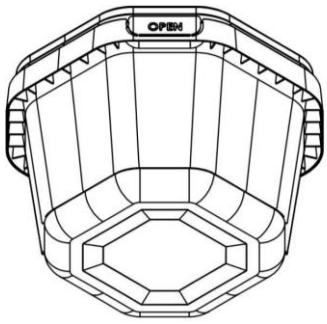
and/or pattern of an article substantially as shown in the accompanying representation(s).



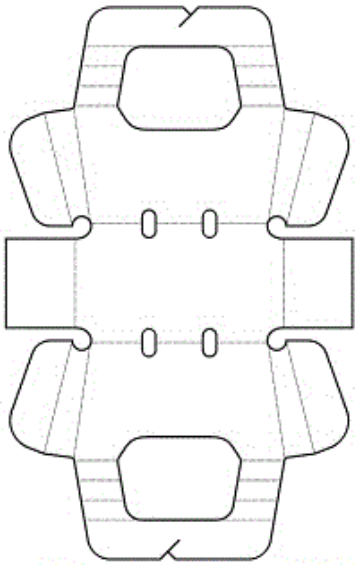
21: F2022/01315 22: 2022-10-19 23:
43: 2023-07-04
52: Class 09 24: Part F
71: APL Cartons (Pty) Ltd
54: PALLETS AND CARTONS FOR LOADING SHIPPING CONTAINERS
57: The design is for pallets and cartons for loading shipping containers by loading each pallet with multiple stacked layers of five cartons each, and arranging the pallets in an array to match the inside dimensions of the shipping container.



21: F2022/01389 22: 2022-11-04 23:
43: 2023-07-04
52: Class 09 24: Part F
71: Mpact Limited
54: CONTAINER
57: The novelty of this design resides in the shape and configuration of a CONTAINER substantially as shown in the drawings.



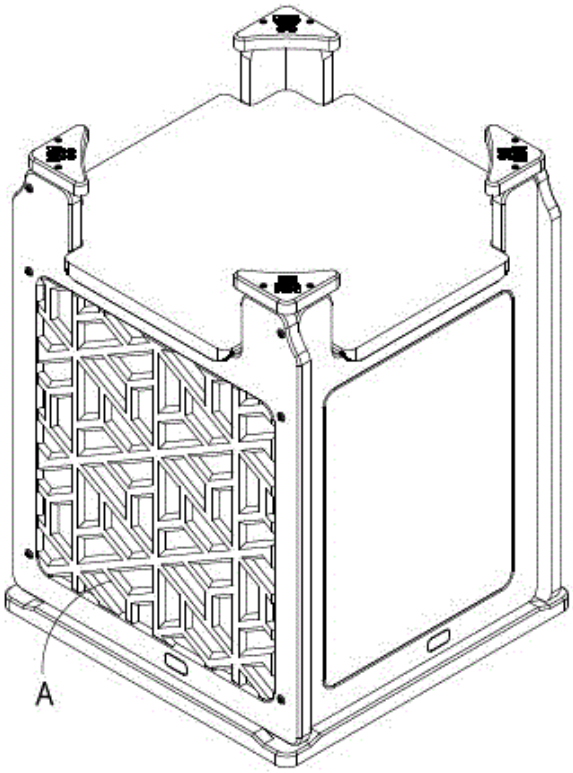
21: F2022/01406 22: 2022-11-08 23:
43: 2023-06-07
52: Class 9. 24: Part F
71: MPACT LIMITED
54: Blank for a Punnet with Handle
57: The design relates to blank for a punnet with handle. The features of the design are those of shape and/or configuration.



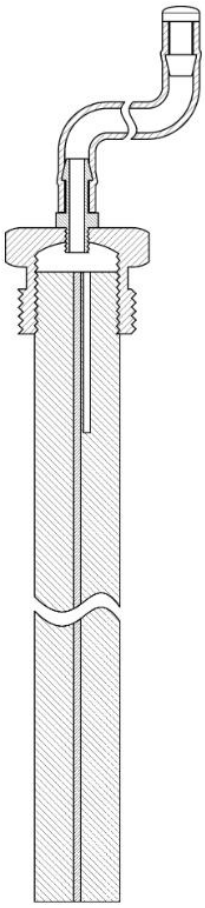
TOP PLAN VIEW OF BLANK

21: F2022/01436 22: 2022-11-10 23:
43: 2022-11-10
52: Class 25 24: Part F
71: BETRAM (PROPRIETARY) LIMITED
54: Tank Stands
57: The design is in respect of a tank stand for supporting a water tank. The tank stand comprises a base, four sides which extend upwardly from the base and a top which is supported on the tops of the sides. The base, sides and top are formed of panels of a precast cementitious material. An upper edge of each side panel includes a central portion and end portions which protrude beyond the central portion.

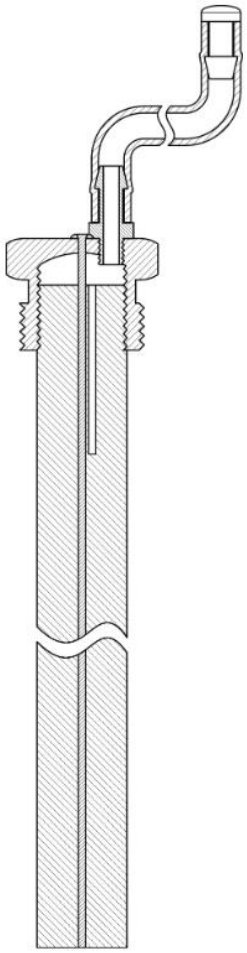
The end portions of adjacent side panels form raised corners which serve to locate a tank in position on the tank support. Corner elements are mounted on the end portions of adjacent side panels and further serve to locate a tank in position.



21: F2022/01447 22: 2022-11-11 23:
43: 2023-06-07
52: Class 23 24: Part F
71: BYLEVELD, Ryan
54: SACRIFICIAL ANODE WITH EXHAUSTION INDICATION AND WITHOUT WELDED CORE
57: The features of this design for which protection are claimed include the shape and/or configuration of a sacrificial anode substantially as illustrated in the accompanying representations.



21: F2022/01448 22: 2022-11-11 23:
43: 2023-06-07
52: Class 23 24: Part F
71: BYLEVELD, Ryan
54: SACRIFICIAL ANODE WITH EXHAUSTION INDICATION AND WELDED CORE
57: The features of this design for which protection are claimed include the shape and/or configuration of a sacrificial anode substantially as illustrated in the accompanying representations.

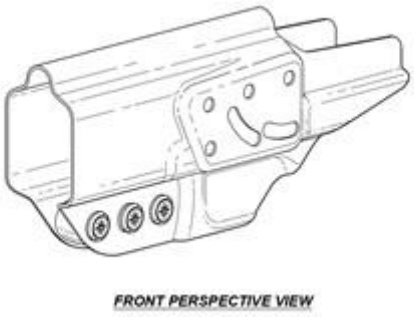


21: F2022/01543 22: 2022-12-01 23:
43: 2023-07-10
52: Class 28 24: Part F
71: Triple A Finance GmbH & Co. KG
33: WO 31: DM/223139 32: 2022-06-03
54: ANTI-WRINKLE APPLIANCES
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

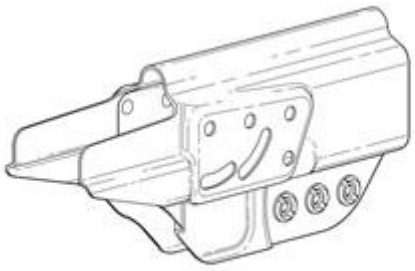
21: F2022/01545 22: 2022-12-01 23:
43: 2023-07-10
52: Class 28 24: Part F
71: Triple A Finance GmbH & Co. KG
33: WO 31: DM/223139 32: 2022-06-03
54: ANTI-WRINKLE APPLIANCES
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).

21: F2022/01547 22: 2022-12-01 23:
43: 2023-07-10
52: Class 28 24: Part F
71: Triple A Finance GmbH & Co. KG
33: WO 31: DM/223139 32: 2022-06-03
54: ANTI-WRINKLE APPLIANCES
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: F2022/01550 22: 2022-12-01 23:
43: 2023-07-10
52: Class 03 24: Part F
71: Johan Hendrik Georg van der Merwe
54: HOLSTER
57: The features of the design for which protection is claimed reside in the shape and/or configuration of a holster and its attachment formations, substantially as shown in the accompanying representations.



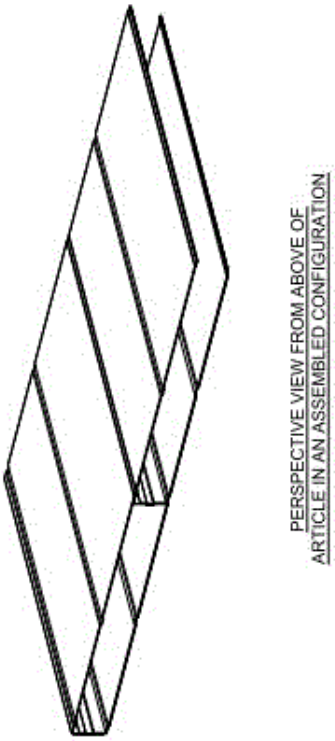
FRONT PERSPECTIVE VIEW



REAR PERSPECTIVE VIEW

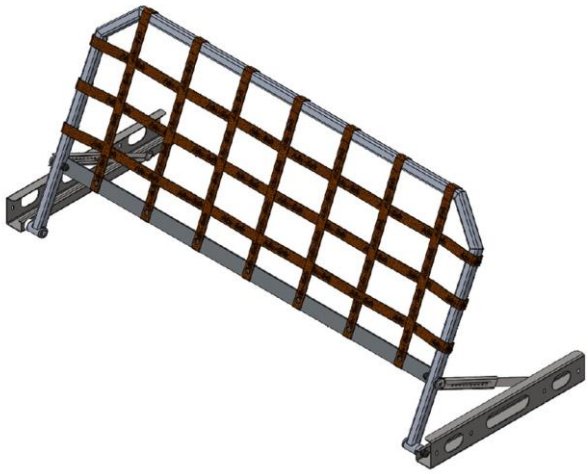
21: F2022/01583 22: 2022-12-07 23:
43: 2023-08-14
52: Class 25 24: Part F
71: VOS, Carlo

54: PROFILED SHEETS
57: The design relates to profiled sheets. The features of the design are those of shape and/or configuration and/or pattern.



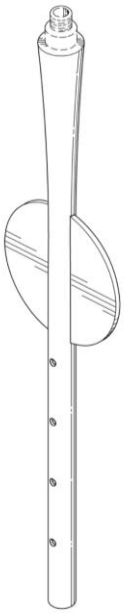
PERSPECTIVE VIEW FROM ABOVE OF ARTICLE IN AN ASSEMBLED CONFIGURATION

21: F2022/01584 22: 2022-12-08 23:
43: 2023-07-14
52: Class 21 24: Part F
71: ALU-CAB HOLDINGS (PTY) LTD
54: BACKREST FOR ROOFTOP TENT
57: The design is for backrest for a rooftop tent, comprising a rectangular frame that is span by webbing and is supported on two lateral frame elements inside an bottom shell of a rooftop tent in a stowed condition, from which it can pivot to a slanted, deployed condition, where it is supported by two lateral, ratchetted struts.



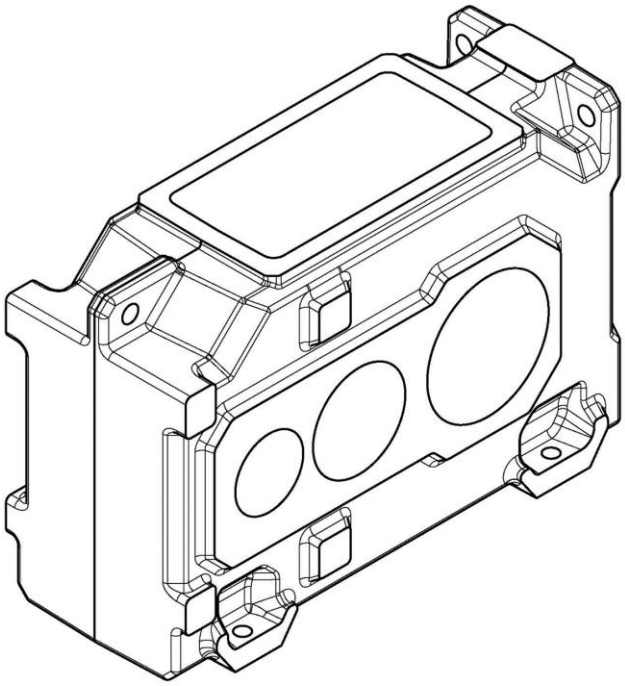
21: F2022/01585 22: 2022-12-08 23:
43: 2023-07-14
52: Class 21 24: Part F
71: ALU-CAB HOLDINGS (PTY) LTD
54: TABLE FOR ROOFTOP TENT
57: The design is for table for a rooftop tent, comprising a board that is supported on two lateral frame elements inside an upper shell of a rooftop tent and that is held by clips in a stowed condition, from which it can pivot to a horizontal, deployed condition, where it is supported at two free corners, by two straps.

21: F2022/01600 22: 2022-12-12 23:
43: 2023-07-12
52: Class 24 24: Part F
71: EKSTEEN, Ehren Cronje
54: WOUND BED ACCESS DEVICES
57: The design is for a wound bed access device for providing access to a wound bed from outside a closed wound. The device includes a tube, having two ends, which defines a flow path for fluid therethrough. A portion of the tube which in use is closed in the wound, includes a plurality of apertures which allows fluid to flow into or out of the tube. An opposed end of the tube, which in use is distal from the wound, tapers outwardly to define a connection end, such that a self-sealing valve connector (such as a luer connector) is fittable to the second end. The device also includes a wound dressing interface, shaped and dimensioned to be closed within a wound dressing covering a wound. The wound dressing interface is in the form of a flexible flange extending from both sides proximate a midpoint of the tube.

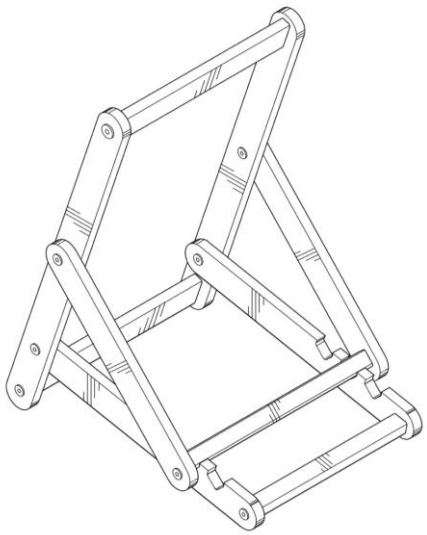


Three-dimensional top view of the wound bed access device with a self-sealing valve connector fitted thereto

21: F2022/01602 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part F
71: FLENDER GMBH
33: EU 31: 009062136-0007 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gear casing, substantially as illustrated in the accompanying representation.

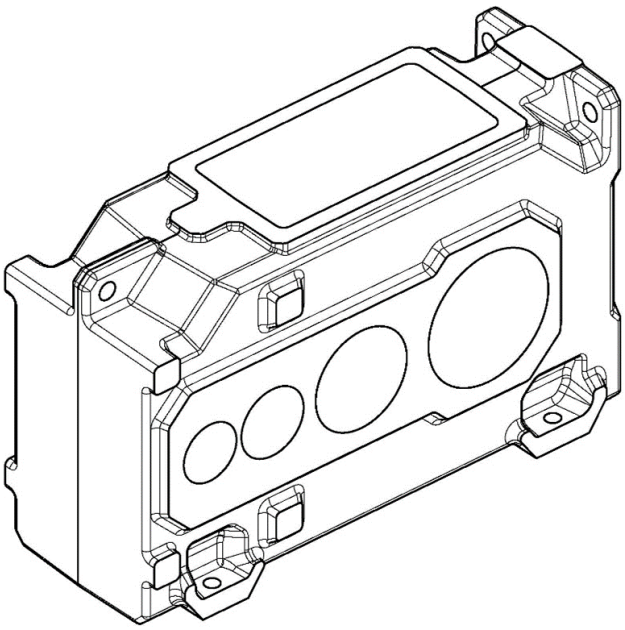


21: F2022/01603 22: 2022-12-12 23:
43: 2023-07-12
52: Class 06 24: Part F
71: EVERITT, Sandra
54: FOLDABLE CHAIRS
57: The design is for a portable, legless, seatless and foldable chair, which provides for an adjustable lumbar support. The chair comprises of a substantially rectangular frame to which an open-end of two substantially U-shaped members are hingedly attached and extends in the same direction from the frame. The first member is attached to an inner surface at a distal end of two parallel supports of the frame and the second member is attached to an outer surface at a midpoint of the two parallel supports. The first member includes an adjustment arrangement in the form of three grooves arranged longitudinally on an upper surface of opposing parallel legs of the first member, of which the opposing grooves are indexed to each other. Furthermore, a diagonal leg of the second member is shaped and dimensioned to be insertable within the grooves, which when inserted results in the frame defining a backrest.

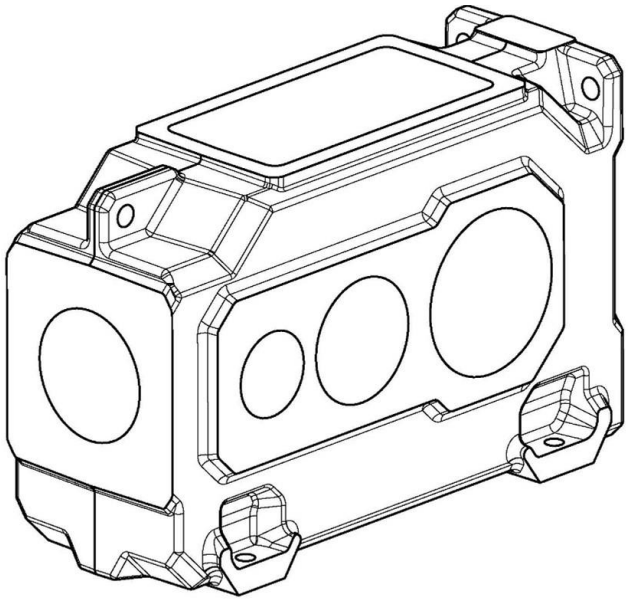


Three-dimensional view of a foldable chair in an unfolded configuration

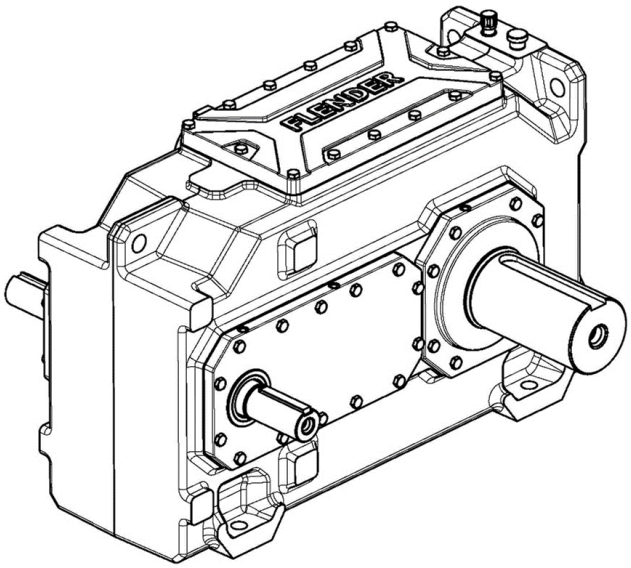
21: F2022/01605 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part F
71: FLENDER GMBH
33: EU 31: 009062136-0008 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gear casing, substantially as illustrated in the accompanying representation.



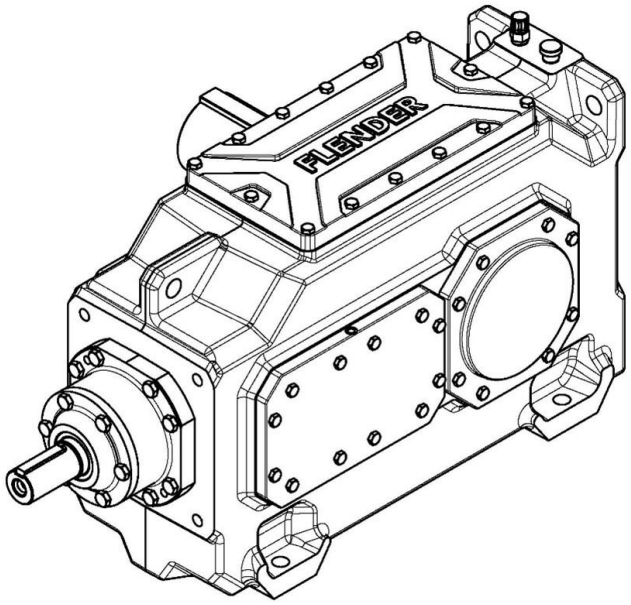
21: F2022/01609 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part F
71: FLENDER GMBH
33: EU 31: 009062136-0009 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gear casing, substantially as illustrated in the accompanying representation.



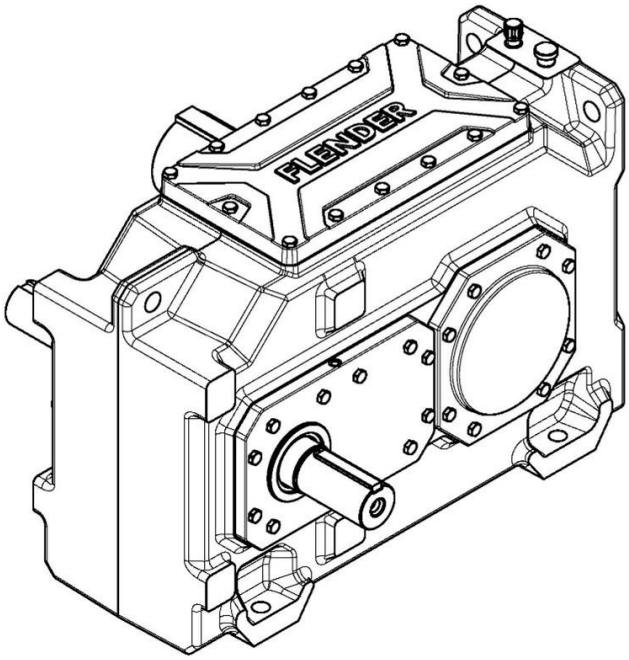
21: F2022/01611 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part F
71: FLENDER GMBH
33: US 31: 009062136-0010 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gear casing, substantially as illustrated in the accompanying representation.



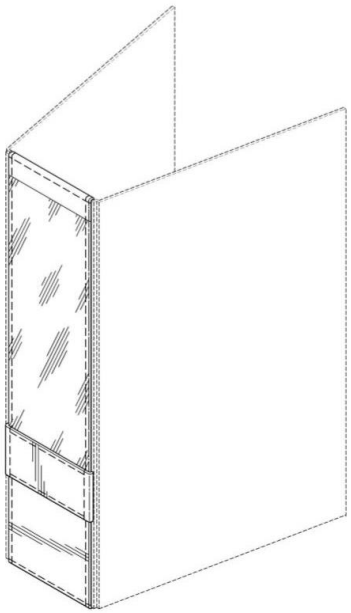
21: F2022/01614 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part F
71: FLENDER GMBH
33: EU 31: 009062136-0011 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gear casing, substantially as illustrated in the accompanying representation.



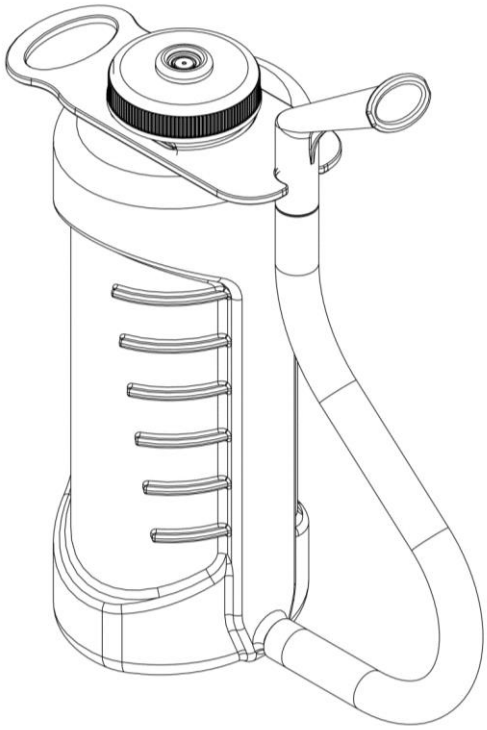
21: F2022/01616 22: 2022-12-12 23:
43: 2023-07-12
52: Class 12 24: Part F
71: FLENDER GMBH
33: EU 31: 009062136-0012 32: 2022-06-15
54: GEAR CASING
57: The design is applied to a gear casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gear casing, substantially as illustrated in the accompanying representation.



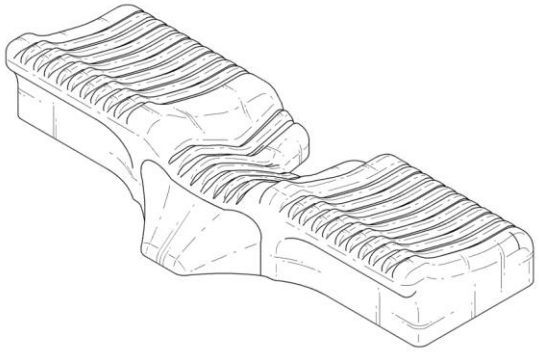
21: F2023/00099 22: 2023-01-25 23:
43: 2023-08-14
52: Class 19 24: Part F
71: OLIVIER, Magdelena Elizabeth
54: LABEL POCKET
57: The design is for a file and/or box label pocket to be applied to files or boxes. The label pocket is a transparent pocket that is affixed to a file or box by stitches, thereby reducing pocket tear associated with conventional glued pockets.



21: F2023/00431 22: 2023-04-06 23:
43: 2023-06-13
52: Class 24 24: Part F
71: TRU MODE (PTY) LTD
54: RESPIRATORY DEVICE
57: The design relates to a Respiratory device. The features of the design are those of shape and/or pattern and/or configuration.



21: F2023/00654 22: 2023-05-31 23:
43: 2023-07-10
52: Class 6 24: Part F
71: LEE, Hyun Seung
33: KR 31: 30-2022-0051658 32: 2022-12-08
54: PILLOW
57: The design relates to a Pillow. The features of the design are those of shape and/or pattern and/or configuration.



21: F2023/00693 22: 2023-06-15 23:
43: 2023-07-10
52: Class 6 24: Part F
71: Polytech Inc
54: PACKAGED MATTRESS
57: The design relates to a Packaged mattress. 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

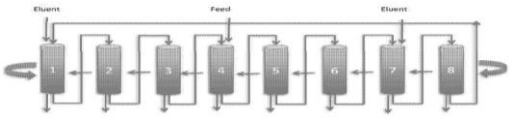
No records available

PATENT CORRECTION NOTICES

The patent under application no: **2020/06235** was advertised in the July 2023 journal with an incorrect applicant's name which appeared as **SOCATI TECHNOLOGIES-OREGON LLC** instead of **CLEEN TECHNOLOGY INC** and the whole publication should have appeared as the one below but the publication date will remain **26/07/2023.**

21: 2020/06235. 22: 2020/10/07. 43: 2023/05/08
51: A61K; C07D
71: **CLEEN TECHNOLOGY INC.**
72: TEGEN, Mark G., CHO, Joon
33: US 31: 62/639,608 32: 2018-03-07
33: US 31: 62/697,920 32: 2018-07-13
33: US 31: 62/697,926 32: 2018-07-13
33: US 31: 62/697,923 32: 2018-07-13
33: US 31: 62/715,545 32: 2018-08-07
54: CONTINUOUS ISOLATION OF CANNABIDIOL AND CONVERSION OF CANNABIDIOL TO DELTA 8-TETRAHYDROCANNABINOL AND DELTA 9-TETRAHYDROCANNABINOL
00: -

(57) Abstract: In alternative embodiments, provided are processes comprising the continuous isolation and purification of cannabinoids and further isomerization of the purified cannabidiol to Δ^8tetrahydrocannabinol (Δ^8THC) and Δ^9tetrahydrocannabinol (Δ^9THC). In alternative embodiments, provided are processes for converting Δ8-THC into Δ^9-THC. In alternative embodiments, provided are processes for the industrial scale continuous isolation and purification of cannabinoids and further isomerization of the purified cannabidiol to delta Δ^9 -THC.



DESIGNS CORRECTION NOTICES

The Design restoration under application no: **A2019/00196** was advertised in the July 2023 journal with an incorrect application number which read as **A2019/01850** instead of **A2019/00196** however the indicated restoration should have been published as the one below and its two months opposition period will still run from its original publication date which is **26/07/2023**.

Notice is hereby given that: **TUSWA, Ntombikayise Ziyanda** has made application for the restoration of the design registered to the said: **TUSWA, Ntombikayise Ziyanda** for the Design: **WIG STAND** application number: **A2019/00196** date: **31/01/2019** which become void on **31/01/2022** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof.

Registrar of Designs

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for August 2023

Number of Advertised Patents: 191

Application Number	Patent Title	Filing Date
2012/09575	METHOD AND APPARATUS FOR SEPARATING LOW DENSITY PARTICLES FROM FEED SLURRIES	2012/12/18
2013/05865	PATHOGENIC MYCOBACTERIA-DERIVED MANNOSE-CAPPED LIPOARABINOMANNAN ANTIGEN BINDING PROTEINS	2013/08/05
2013/07781	SCANNING REAL-TIME MICROFLUIDIC THERMOCYCLER AND MEHODS FOR SYNCHRONIZED THERMOCYCLING AND SCANNING OPTICAL DETECTION	2013/10/18
2014/00933	BIDIRECTIONAL MECHANICAL CONVERTING UNIT	2014/02/07
2014/01735	HIGH CONTENT PCBN COMPACT INCLUDING W-RE BINDER	2014/03/10
2014/02632	CONSTRUCTION AND COMPOSITION OF PREFORMED CONTAINERS USED IN A HIGH-PRESSURE PRESS	2014/04/10
2015/01803	AN INDUSTRIAL ROBOT END-EFFECTOR	2015/03/17
2016/06523	ANTIBODIES THAT BIND HUMAN CANNABINOID 1 (CB1) RECEPTOR	2016/09/21
2017/06059	METHOD OF TREATMENT WITH TRADIPITANT	2017/09/06
2017/08453	MODULATORS OF DIACYGLYCEROL ACYLTRANSFERASE 2 (DGAT2)	2017/12/13
2018/03242	FILTER ELEMENT FOR DISC FILTER APPARATUS	2018/05/16
2018/05792	TAURINE AND ALOE SYNERGISTIC ANTI-IRRITANT COMPOSITIONS AND METHODS	2018/08/29
2018/08151	VETERINARY COMPOSITIONS AND USES THEREOF FOR CONTROLLING PARASITES IN NON-HUMAN MAMMALS	2018/12/03
2019/00070	ANTIBODIES WITH LOW IMMUNOGENICITY AND USES THEREOF	2019/01/04
2019/01213	VIBRATION ANALYSIS UNIT FOR A VIBRATING MACHINE, METHOD FOR DISPLAYING VIBRATIONS AND COMPUTER PROGAM	2019/02/26

Application Number	Patent Title	Filing Date
2019/01567	INTERFACE DETECTION DEVICE AND SYSTEM FOR DISPERSED MULTI-PHASE FLUIDS	2019/03/13
2019/02047	CHIMERIC ANTIGEN RECEPTORS FOR THE TREATMENT OF CANCER	2019/04/02
2019/03062	AMANITIN ANTIBODY CONJUGATES	2019/05/16
2019/05964	SCALPEL WITH RETRACTABLE BLADE	2019/09/10
2019/06100	COMBINATION OF A PPAR AGONIST WITH A FXR AGONIST	2019/09/16
2020/00685	SYSTEMS AND METHODS FOR COMMUNICATION, STORAGE AND PROCESSING OF DATA PROVIDED BY AN ENTITY OVER A BLOCKCHAIN NETWORK	2020/01/31
2020/00731	METHOD FOR COST-EFFECTIVE PRODUCTION OF ULTRAFINE SPHERICAL POWDERS AT LARGESCALE USING THRUSTER-ASSISTED PLASMA ATOMIZATION	2020/02/04
2020/00882	METHOD	2020/02/11
2020/02050	HETEROLOGOUS BIOSYNTHESIS OF NODULISPORIC ACID	2020/05/04
2020/02572	DIURON-CONTAINING FRUIT THINNING AGENT	2020/05/08
2020/03285	METHOD AND APPARATUS FOR PRODUCING FINE SPHERICAL POWDERS FROM COARSE AND ANGULAR POWDER FEED MATERIAL	2020/06/02
2020/03371	NUCLEIC ACIDS FOR INHIBITING EXPRESSION OF LPA IN A CELL	2020/06/05
2020/03728	HOLLOW TUBULAR CENTER BULGING FOAM SPRING	2020/06/19
2020/04382	METHOD FOR INTER-RADIO ACCESS TECHNOLOGY HANDOVER	2020/07/16
2020/04657	METHODS OF TESTOSTERONE THERAPY	2020/07/28
2020/06612	ANTIBACTERIAL COMPOUNDS	2020/10/23
2020/07025	A SYSTEM FOR DETERMINING AN EMOTIONAL STATE OF A SUBJECT	2020/11/11
2020/07753	SAFETY SCALPEL	2020/12/11
2020/07782	MACHINE READABLE SECURITY FEATURES	2020/12/14
2021/00084	DECORATIVE BOARDS, AND PRODUCTION LINES AND PRODUCTION PROCESSES THEREOF	2021/01/06
2021/00218	BREATHABLE UPPER MATERIAL FOR FOOTWEAR	2021/01/13
2021/00661	BORATE OF AZETIDINE DERIVATIVE	2021/01/29

Application Number	Patent Title	Filing Date
2021/01369	BIODEGRADABLE COATINGS BASED ON AQUEOUS PHA DISPERSIONS	2021/02/26
2021/02358	DOMINIKIA SP. STRAIN, COMPOSITIONS COMPRISING IT AND USES	2021/04/09
2021/02592	TREATMENT OF PLANTS OR FUNGI AGAINST DISEASE	2021/04/19
2021/02739	INJECTABLE LONG-ACTING NALTREXONE MICROPARTICLE COMPOSITIONS	2021/04/23
2021/03209	MONOHYDRATE POTASSIUM SALT OF A THIENOPYRIDONE DERIVATIVE AND ITS PREPARATION PROCESS	2021/05/12
2021/03512	SYSTEMS, DEVICES, AND METHODS FOR RF DETECTION OF ANALYTE SENSOR MEASUREMENTS	2021/05/24
2021/03926	A NUTRITIONAL SUPPLEMENT REPAIR FORMULATION	2021/06/08
2021/04167	COMPOUNDS FOR USE IN THE TREATMENT OF PARKINSON'S DISEASE	2021/06/17
2021/06265	COMPOSITIONS AND METHODS FOR INHIBITING GENE EXPRESSION OF LPA	2021/08/30
2021/06359	USE OF VITAMIN K IN COMBINATION WITH ANTICOAGULANTS	2021/08/31
2021/06379	BIOLOGICAL SEQUENCING	2021/09/01
2021/06380	BIOLOGICAL SEQUENCE INFORMATION HANDLING	2021/09/01
2021/06381	BIOLOGICAL INFORMATION HANDLING	2021/09/01
2021/08055	POSITIONING OF A SUBCUTATEOUS DEVICE AND METHOD	2021/10/20
2021/08239	TRAFFIC CALMING	2021/10/26
2021/08913	A MECHANICAL TENSIONING DEVICE AND METHOD	2021/11/10
2021/10235	PANEL SYSTEM FOR ROCKBURST OR LANDSLIDE CONTAINMENT IN MINING TUNNELS AND ROAD WORKS CONSISTING OF A FRAME ATTACHED TO A STRAP MESH WHOSE NODES ARE LINKED BY CONNECTING BUCKLES; AND INSTALLATION PROCEDURE	2021/12/09
2021/10434	AN AUTOMOTIVE HYDRAULIC SHOCK ABSORBER	2021/12/14
2021/10447	ACRYLAT-OLEFIN COPOLYMERS	2021/12/15

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	AS HIGH VISCOSITY BASE FLUIDS	
2021/10582	PROCESS FOR RECLAMATION OF POLYESTER BY REACTOR ADDITION	2021/12/17
2021/10659	METHODS OF REDUCING THE RISK OF CARDIOVASCULAR EVENTS IN A SUBJECT	2021/12/20
2022/00271	TORQUE ELEMENT FOR ABSORBING SHEAR FORCES IN A BOLT CONNECTION IN A BUCKET ELEMENT IN A LOADING MACHINE BUCKET	2022/01/05
2022/00280	CATALYST FOR OXYGEN GENERATION REACTION DURING WATER ELECTROLYSIS	2022/01/05
2022/00788	CARTRIDGE FOR DISPENSING A MATERIAL	2022/01/17
2022/00915	RADIATION-ASSISTED ELECTROLYZER CELL AND PANEL	2022/01/19
2022/01235	RECEIVER FOR RECEIVING A COMBINATION SIGNAL TAKING ACCOUNT OF INTER-SYMBOL INTERFERENCE, METHOD FOR RECEIVING A COMBINATION SIGNAL, AND COMPUTER PROGRAM	2022/01/26
2022/01247	BISPECIFIC ANTIBODY	2022/01/26
2022/01464	ANTI-TIGIT ANTIBODIES AND APPLICATION THEREOF	2022/02/01
2022/01577	DEVICE FOR ENERGY TRANSFER AND FOR ENERGY STORAGE IN A LIQUID RESERVOIR	2022/02/04
2022/02295	A COMPRESSION SEAL	2022/02/23
2022/02570	SIDELINK CONFIGURATION	2022/03/02
2022/02622	LIGHT EMITTING DEVICE	2022/03/03
2022/02825	AN ARRANGEMENT OF ONE OR MORE TIPPER BODIES ON A FRAME OF A VEHICLE	2022/03/09
2022/02870	A METHOD AND A SYSTEM FOR ABATING H2S AND CO2 FROM H2S AND CO2 RICH GAS MIXTURES SUCH AS GEOTHERMAL NON-CONDENSABLE GAS MIXTURES	2022/03/09
2022/03500	ENCODER, DECODER, ENCODING METHOD, AND DECODING METHOD	2022/03/25
2022/04195	METHODS AND APPARATUSES FOR EVENT EXPOSURE OF LOCATION REPORTING FOR A TERMINAL DEVICE	2022/04/13
2022/04360	FERTILISER BOOT AND SHIELD	2022/04/19
2022/04486	SYSTEM, METHOD AND APPARATUS FOR INTEGRATION OF	2022/04/21

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	FIELD, CROP AND IRRIGATION EQUIPMENT DATA FOR IRRIGATION MANAGEMENT	
2022/04982	STABLE FORMULATION OF INTEGRIN ANTIBODY	2022/05/06
2022/05463	FINANCIAL-BASED RECOMMENDATION ENGINE	2022/05/18
2022/05659	METHOD FOR PRODUCING PROPYLENE AND LOW-SULFUR FUEL OIL COMPONENT	2022/05/23
2022/05898	A METHOD FOR RECYCLING GLASSINE BASED PAPER	2022/05/27
2022/06047	ULTRA-LONG ACTING INSULIN-FC FUSION PROTEINS AND METHODS OF USE	2022/05/31
2022/06382	DEVICE WITH STATOR AND ROTOR, AND WIND GENERATING SET	2022/06/08
2022/06662	ANTIMICROBIAL COMPOSITION	2022/06/15
2022/07855	LOCKING COVER FOR A CONTAINER HAVING A NECK, WITH A CAP HAVING BREAKABLE SECURING TABS	2022/07/14
2022/08698	METHOD AND APPARATUS OF SIGNALING THE NUMBER OF CANDIDATES FOR MERGE MODE	2022/08/03
2022/09555	SYSTEM AND METHOD FOR THE COLLECTIVE SHARING OF DATA	2022/08/26
2022/10349	DOUBLE STACK "V" HEAT EXCHANGER	2022/09/19
2022/10840	METHOD FOR PRODUCING RECOMBINANT HYALURONIDASE	2022/09/30
2022/10992	ANTIGEN SPECIFIC IMMUNOTHERAPY FOR COVID-19 FUSION PROTEINS AND METHODS OF USE	2022/10/06
2022/11065	COLD ROLLED ANNEALED STEEL SHEET OR HOT PRESSED ANNEALED STEEL PART	2022/10/10
2022/11067	HOT ROLLED AND HEAT-TREATED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME	2022/10/10
2022/11199	A METHOD FOR IMPLEMENTING A CUSTOMER LOYALTY PROGRAM	2022/10/13
2022/11270	A COMPOSITE BUILDING SLAB	2022/10/12
2022/11625	MOBILE SECURE NETWORK SYSTEM AND DEVICE	2022/10/25
2022/12002	SELECTIVE ADSORPTION MATERIAL FOR TREATING WASTE WATER CONTAINING THALLIUM AND MERCURY, PREPARATION METHOD THEREOF AND METHOD FOR TREATING WASTE WATER	2022/11/03

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	CONTAINING THALLIUM AND MERCURY THEREWITH	
2022/12058	A METHOD FOR REMOVING DRUGS AND PERSONAL CARE PRODUCTS FROM WATER BODY BY ULTRAVIOLET ACTIVATED PERSULFATE	2022/11/04
2022/12072	PERSONAL CLEANSING COMPOSITION	2022/11/04
2022/12439	PNEUMATIC PRESSURE CONTROLLER	2022/11/15
2022/12553	DETONATOR POSITION DETERMINATION	2022/11/17
2022/12723	SPUNBOND RECYCLED POLYPROPYLENE NONWOVEN AND METHOD OF MAKING THE SAME	2022/11/22
2022/12803	METHOD FOR THE MACHINE-BASED DETERMINATION OF THE FUNCTIONAL STATE OF SUPPORT ROLLERS OF A BELT CONVEYOR SYSTEM, COMPUTER PROGRAM AND MACHINE-READABLE DATA CARRIER	2022/11/24
2022/12902	WEATHER/CLIMATE MODEL FORECAST BIAS EXPLAINABILITY	2022/11/28
2022/12955	SOLAR COOKER	2022/11/29
2022/12969	METHODS FOR SIMULTANEOUS FRAGMENTATION AND PURIFICATION OF BACTERIAL POLYSACCHARIDES	2022/11/29
2022/13018	WIND TURBINE TOWER	2022/11/30
2022/13081	COOLING SYSTEM, AIR-CONDITIONING SYSTEM, MOTOR ASSEMBLY AND ASSOCIATED METHODS	2022/12/02
2022/13153	ROTATION LOCK DEVICE, LEVER HOIST, AND HOISTING MACHINE	2022/12/05
2022/13209	FACE RECOGNITION METHOD IN MASK WEARING STATE	2022/12/06
2022/13258	AGRICULTURALLY BENEFICIAL MICROBES, MICROBIAL COMPOSITIONS, AND CONSORTIA	2022/12/07
2022/13311	USE OF BISPECIFIC CD123 X CD3 DIABODIES FOR THE TREATMENT OF HEMATOLOGIC MALIGNANCIES	2022/12/08
2022/13345	PATTERN LAYER TO BE ADHERED TO LIVING BODY	2022/12/09
2022/13421	SEAL GAS OPTIMIZATION SYSTEMS AND METHODS FOR A DIRECT REDUCTION PROCESS	2022/12/12
2022/13430	SULFONE DERIVATIVES	2022/12/12
2022/13455	METHOD FOR BLOCKING	2022/12/13

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	DENDROBIUM OFFICINALE KIMURA ET MIGO TISSUE CULTURE SEEDLINGS FROM BEING POLLUTED BY BACTERIA	
2022/13472	MEAT ANALOGUE AND METHOD OF PRODUCING THE SAME	2022/12/13
2022/13473	SYSTEM AND METHOD FOR FABRICATION OF A THREE-DIMENSIONAL EDIBLE PRODUCT	2022/12/13
2022/13492	TEST STRIP FIXATION DEVICE FOR OPTICAL MEASUREMENTS OF AN ANALYTE	2022/12/13
2022/13497	LIVE ATTENUATED STRAINS OF FOOT AND MOUTH DISEASE MODIFIED BY DEOPTIMIZATION AND USES THEREOF	2022/12/13
2022/13499	DOOR SYSTEM AND MODULE THEREFORE	2022/12/13
2022/13528	A FOOD HOLDER	2022/12/14
2022/13546	HIGH QUALITY MASK	2022/12/14
2022/13612	DISTRIBUTED ENDPOINT SECURITY ARCHITECTURE AUTOMATED BY ARTIFICIAL INTELLIGENCE	2022/12/15
2022/13616	MIXED REALITY HIGH-SIMULATION BATTLEFIELD FIRST AID TRAINING PLATFORM AND TRAINING METHOD USING SAME	2022/12/15
2022/13678	MOBILE CONTINUOUS MIXING APPARATUS BACKGROUND OF THE INVENTION	2022/12/19
2022/13680	INITIAL AND FINAL METHODS FOR LAYING LONG RAILS	2022/12/19
2022/13762	A FLEXIBLE FLOATING RESERVOIR FOR STORING AND TRANSPORTING LIQUIDS HEAVIER THAN THE ENVIRONMENTAL LIQUID IN WHICH THE RESERVOIR IS IMMERSIBLE	2022/12/20
2023/00123	DATA CLASSIFICATION METHOD BASED ON DYNAMIC BAYESIAN NETWORK CLASSIFIER	2023/01/03
2023/00129	PROPAGATING MATERIAL FOR SWEET POTATO	2023/01/03
2023/00148	ISOXAZOLINE-SUBSTITUTED BENZAMIDE DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF	2023/01/03
2023/00150	METHOD FOR OBTAINING NON-FERROUS METALS, MORE PARTICULARLY BLACK AND/OR RAW COPPER, FROM SCRAP CONTAINING ORGANIC MATTER	2023/01/03

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2023/00352	INTEGRATED TREATMENT SYSTEM FOR RECYCLING RURAL GREY WATER	2023/01/09
2023/00360	MOLECULAR MARKER FOR IDENTIFYING GUIZHOU BLACK GOAT AND LEZHI BLACK GOAT, DETECTION METHOD AND APPLICATION THEREOF	2023/01/09
2023/00366	CLASSIFIER AND METHOD OF CLASSIFYING	2023/01/09
2023/00370	APPLICATION OF CTC-497E21.4 AS REGULATORY TARGET FOR FERROPTOSIS IN PREPARATION OF TARGETED DRUGS FOR GASTRIC CANCER	2023/01/09
2023/00371	A LINE ELIMINATION METHOD IMMUNOCHROMATOGRAPHIC TEST PAPER AND ITS USE IN CRISPR NUCLEIC ACID DETECTION	2023/01/09
2023/00424	FINGERPRINT FORENSICS	2023/01/10
2023/00426	APPLICATION OF MOGAT2 IN PREPARATION OF PRODUCTS FOR DIAGNOSIS AND PROGNOSIS OF HEPATOCELLULAR CARCINOMA	2023/01/10
2023/00484	SHORE-BASED INTELLIGENT MOORING SYSTEM AND METHOD BASED ON ON-SITE REAL-TIME FEEDBACK	2023/01/11
2023/00485	A DAMPING CLOTH FOR POLISHING INFRARED ASPHERIC SURFACE OPTICAL ACCESSORY AND PREPARATION METHOD THEREOF	2023/01/11
2023/00498	A SECONDARY PROCESSING DEVICE FOR SESAME CRUSHING AND A METHOD THEREOF	2023/01/11
2023/00501	METHOD, COMPUTER SYSTEM AND COMPUTER PROGRAM PRODUCT FOR IMPROVED TABLE PROCESSING	2023/01/11
2023/00550	A PREPARATION METHOD OF A CATALYST FOR EFFICIENT CATALYTIC CRACKING OF SLUDGE PYROLYSIS TAR, ITS APPLICATION AND REAL-TIME DETECTION SYSTEM	2023/01/12
2023/00648	TECHNOLOGY FOR EXTRACTING DNA OF LONG-SOAKED BEETLE LARVAE	2023/01/16
2023/00805	DRILL SUPPORT	2023/01/18
2023/00822	METHODS FOR THE USE OF A PD-1 X CTLA-4 BISPECIFIC MOLECULE	2023/01/18
2023/00896	A COLLAPSIBLE CRATE	2023/01/20

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2023/00897	ANALYSIS DEVICE AND METHOD FOR IMPROVING ATRIAL FIBRILLATION MYOCARDIAL FIBROSIS WITH QIPO SHENGMAI COMPOSITION BASED ON SPATIAL TRANSCRIPTOME TECHNOLOGY	2023/01/20
2023/01131	SOLID LIPID NANOPARTICLES (SLN) OF ARTEMISININ BY USING EMULSION SOLVENT DIFFUSION (ESD) METHOD	2023/01/27
2023/01273	METHOD FOR PREPARING 3,3',4,4'-DICYCLOHEXYLTETRACARBOXYLIC ACID AND METHOD FOR TREATING ACIDIC WASTEWATER	2023/01/31
2023/01842	MYTHIMNA SEPARATA (WALKER) FEED AND PREPARATION METHOD THEREOF	2023/02/15
2023/02771	LIFTING DEVICE	2023/02/27
2023/02799	SAMPLING DEVICE AND METHOD FOR SOIL SAMPLES FOR REDUCING WATER ISOTOPE FRACTIONATION	2023/02/27
2023/03022	PAPER LID FOR BEVERAGE UTENSIL	2023/02/28
2023/03297	SLOTTED ONE-HALF POWER LAW NOSE CONE FOR AEROSPACE APPLICATIONS	2023/02/28
2023/03298	A TWO-STAGE HYBRID PREDICTION SYSTEM FOR DEALING WITH UNCERTAIN VARIABLES	2023/02/28
2023/03302	A MULTI-TASK LEARNING BASED SYSTEM FOR BREAST CANCER DETECTION AND CLASSIFICATION AND A METHOD THEREOF	2023/02/28
2023/03471	CONCRETE MATERIAL PREPARED FROM MAGNETIZED MINE WATER AND PREPARATION METHOD THEREOF	2023/03/10
2023/03562	METHOD, DEVICE, STORAGE MEDIUM AND APPARATUS OF TRAINING A NEURAL NETWORK MODEL	2023/03/13
2023/03591	SELENIUM-ENRICHED MORINGA OLEIFERA TABLET CANDY AND PREPARATION METHOD THEREOF	2023/03/15
2023/03787	CIRCUIT, METHOD, AND OXIMETER FOR INDICATING POWER SUPPLY BY APPLYING DOUBLECOLOR LIGHT-EMITTING DIODE	2023/03/23
2023/03851	METHODS AND SYSTEMS FOR APNT POSITIONING AND	2023/03/27

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	INTEGRITY MONITORING IN AVIATION NAVIGATION NETWORK	
2023/03894	MICROWAVE HEATING SYSTEM WITH SUPPRESSION TUNNEL AND RELATED FEATURES	2023/03/28
2023/04081	GUAR GUM-BASED COMPOUND AND PREPARATION METHOD THEREOF, ZINC-SULFUR SEPARATION INHIBITOR AND ZINC-SULFUR FLOTATION SEPARATION METHOD, FLOCCULANT AND APPLICATION THEREOF	2023/03/30
2023/04097	A FACILE, SUSTAINABLE THROUGHPUT PROCESS FOR MICROBIAL BIO-TRANSFORMATION-AIDED BIO-CATAYTIC UPGRADATION OF BIO-ETHANOL TO BIO-BUTANOL	2023/04/03
2023/04282	AN IOT ENABLED SMART SECURITY SYSTEM AND METHOD TO PROTECT PRIVACY AS WELL AS PROPERTY	2023/04/11
2023/04312	A HERBAL COMPOSITION	2023/04/11
2023/04366	VEHICLE-MOUNTED SECRET LANGUAGE ALARM AND ALARM METHOD	2023/04/13
2023/04519	CENTRIFUGAL PUMP, PAINT SPRAY DEVICE FOR MACHINING OF SAME CENTRIFUGAL PUMP AND USE METHOD OF SAME PAINT SPRAY DEVICE	2023/04/18
2023/04807	NICOTINIC ACID DERIVATIVE A HAVING ANTI-INFLAMMATORY ACTIVITY AND ANTI-PLATELET AGGREGATION ACTIVITY, AND APPLICATION THEREOF	2023/04/26
2023/04808	NICOTINIC ACID DERIVATIVE B HAVING ANTI-INFLAMMATORY AND IMMUNOSUPPRESSIVE ACTIVITY, AND USE THEREOF	2023/04/26
2023/04860	AUTONOMOUS OVERTAKING METHOD OF AUTONOMOUS VEHICLE AND SYSTEM THEREOF	2023/04/28
2023/05092	A TEXTILE RUBBER RING ASSEMBLY FOR EASY INSTALLATION	2023/05/08
2023/05096	AN EASY-TO-INSTALL TELESCOPIC SPINNING MACHINE RUBBER ROLLER	2023/05/08
2023/05097	A POSITIONING TOOL FOR ACRYLIC SHEET PROCESSING	2023/05/08
2023/05099	AN AUXILIARY DEVICE FOR DETECTING MOTOR SHAFT	2023/05/08

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2023/05201	EFFICIENT SELF-COOLED OIL-IMMERSED POWER TRANSFORMER COOLING STRUCTURE	2023/05/11
2023/05543	FLANGE DEVICE FOR A WATER TURBINE	2023/05/23
2023/05835	CLIMBING ROBOT AND METHOD FOR DETECTING FOREIGN OBJECT INTRUSION IN METRO TUNNEL	2023/05/31
2023/05882	BRAKE SHIFT CONTROL METHOD AND SYSTEM FOR ELECTRIC VEHICLE	2023/06/01
2023/06106	HIGH-EFFICIENT SWIFT STEPLESS LAYERING WATER INTAKING GATE DEVICE	2023/06/08
2023/06131	FLUORESCENT SENSOR FOR TRACK POWER SUPPLY SYSTEM	2023/06/09
2023/06229	OPTIMIZATION DESIGN METHOD FOR SQUEEZED BRANCH PILE BASED ON ORTHOGONAL EXPERIMENTAL DESIGN AND FINITE ELEMENT ANALYSIS	2023/06/13
2023/06371	A HIGH-EFFICIENCY AUTOMATIC MOTOR COIL WINDING DEVICE	2023/06/19
2023/06736	BIOMASS FUEL CONVEYING DEVICE FOR BIOMASS HOT-BLAST STOVE	2023/06/30
2023/06737	AIR SUPPLY MECHANISM FOR BIOMASS HOT-BLAST STOVE	2023/06/30
2023/07166	CONSTRUCTION METHOD FOR A STEEL SHED OF AN ULTRAHIGH LARGE-SPAN GIANT RIBBED SPATIAL FOLDED-PLATE-SHAPED GRID STRUCTURE	2023/07/17
2023/07213	BATTERY ASSEMBLY AND PHOTOVOLTAIC ENERGY STORAGE BOX	2023/07/19
2023/07444	BIG-DATA-BASED TEACHING PLANNING METHOD AND SYSTEM	2023/07/26
2023/07481	AUTOMATIC FORCE FLOATING OBJECT COLLECTION DEVICE BASED ON OCEAN WAVES	2023/07/27
2023/07482	GREEN FULL-AUTOMATIC SAND-FIXING FLEXIBLE PROTECTOR FOR SANDY BEACHES WITH HIGH EFFICIENCY AND LOW CONSUMPTION	2023/07/27
2023/07849	ENERGY STORAGE SYSTEM	2023/08/11
2023/07850	A COOLING STRUCTURE AND AN INVERTER	2023/08/11

DESIGNS

Advertisement List for August 2023

Number of Advertised Designs: 124

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A2020/01168	A FIREARM SUPPRESSOR	2020/08/28
A2020/01318	SUPERSUB TICKET COUPON	2020/10/02
A2021/00654	BOTTLE	2021/06/04
A2021/00655	LOCATING MEANS	2021/06/04
A2022/00460	Magnetic Resonance Treatment Headset	2022/04/28
A2022/00461	Magnetic Resonance Treatment Base	2022/04/28
A2022/00486	Automobile	2022/05/09
A2022/00523	AUTOMOBILES	2022/05/13
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A2022/00525	AUTOMOBILES	2022/05/13
A2022/00526	AUTOMOBILES	2022/05/13
A2022/00527	AUTOMOBILES	2022/05/13
A2022/00528	AUTOMOBILES	2022/05/13
A2022/00970	Wheel Rim for Vehicles	2022/08/19
A2022/00971	Wheel Rim for Vehicles	2022/08/19
A2022/00972	A Rear Light Group for Vehicles	2022/08/19
A2022/01055	PUMPS	2022/09/08
A2022/01136	Electrical Switchbox	2022/09/23
A2022/01137	Electrical Switchbox	2022/09/23
A2022/01177	DIFFUSER FOR A PUMP	2022/10/04
A2022/01350	TRAILER REVERSING ADAPTER	2022/10/27
A2022/01396	PANELS FOR VEHICLES	2022/11/04
A2022/01397	PANELS FOR VEHICLES	2022/11/04
A2022/01398	PANELS FOR VEHICLES	2022/11/04
A2022/01399	PANELS FOR VEHICLES	2022/11/04
A2022/01400	PANELS FOR VEHICLES	2022/11/04
A2022/01404	Portable Drink Blender	2022/11/08
A2022/01405	Punnet with Handle	2022/11/08
A2022/01413	Motorcycle	2022/11/09
A2022/01414	BACK-UP RINGS	2022/11/09
A2022/01415	CYLINDERS	2022/11/09
A2022/01417	CYLINDERS	2022/11/09
A2022/01435	Tank Stands	2022/11/10
A2022/01463	Wheel	2022/11/14
A2022/01464	Wheel	2022/11/14
A2022/01465	Beadlock	2022/11/14
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A2022/01467	AIR FRYER	2022/11/15
A2022/01468	Television Receiver	2022/11/15
A2022/01469	Television Receiver	2022/11/15
A2022/01470	Television Receiver	2022/11/15
A2022/01471	Television Receiver	2022/11/15

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A2022/01472	Television Receiver	2022/11/15
A2022/01473	Television Receiver	2022/11/15
A2022/01474	Television Receiver	2022/11/15
A2022/01475	Arm for a Television Receiver	2022/11/15
A2022/01479	DEODORANT HOLDER	2022/11/16
A2022/01484	DEODORANT HOLDER	2022/11/16
A2022/01487	BOTTLE	2022/11/17
A2022/01495	A Merchandise Display	2022/11/17
A2022/01502	BLENDER	2022/11/21
A2022/01503	BLENDER	2022/11/21
A2022/01504	BLENDER	2022/11/21
A2022/01505	DOCUMENT VALIDATORS	2022/11/21
A2022/01507	Water Filter Cartridge	2022/11/22
A2022/01508	CARS	2022/11/22
A2022/01516	Drinking Fountain	2022/11/23
A2022/01523	Engine Welder	2022/11/24
A2022/01530	VEHICLE WHEEL RIMS	2022/11/29
A2022/01532	CARS	2022/11/29
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A2022/01534	Toy Car	2022/11/29
A2022/01535	Toner Cartridge	2022/11/30
A2022/01536	Toner Cartridge	2022/11/30
A2022/01537	CABLE ENCLOSURE	2022/11/30
A2022/01542	ANTI-WRINKLE APPLIANCES	2022/12/01
A2022/01544	ANTI-WRINKLE APPLIANCES	2022/12/01
A2022/01546	ANTI-WRINKLE APPLIANCES	2022/12/01
A2022/01582	PROFILED SHEETS	2022/12/07
A2022/01589	TUB	2022/12/08
A2022/01591	A SHELTER	2022/12/08
A2022/01592	A SHELTER	2022/12/08
A2022/01593	GRAPHIC USER INTERFACE	2022/12/09
A2022/01594	GRAPHIC USER INTERFACE	2022/12/09
A2022/01595	GRAPHIC USER INTERFACE	2022/12/09
A2022/01601	GEAR CASING	2022/12/12
A2022/01604	GEAR CASING	2022/12/12
A2022/01607	GEAR CASING	2022/12/12
A2022/01610	GEAR CASING	2022/12/12
A2022/01612	GEAR CASING	2022/12/12
A2022/01615	GEAR CASING	2022/12/12
A2022/01668	DISPENSER	2022/12/19
A2023/00005	ELECTRIC STEAM IRON	2023/01/03
A2023/00006	ELECTRIC STEAM IRON	2023/01/03
A2023/00050	AUTOMOBILE	2023/01/10
A2023/00060	AIR FRYER	2023/01/13
A2023/00061	AIR FRYER	2023/01/13
F2020/00964	WRITING INSTRUMENT HOLDER	2020/07/13
F2020/01167	A FIREARM SUPPRESSOR	2020/08/28
F2020/01197	VAMPIRE CLIP	2020/09/03
F2020/01211	PACKAGING FOR A CONTAINER	2020/09/07
F2021/00652	LOCATING MEANS	2021/06/04

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F2022/00423	AUTOCLAVES	2022/04/21
F2022/00575	SURGICAL GUIDE PIN	2022/05/24
F2022/00895	CRUSHER COUNTERBALANCE LEVER ARM	2022/08/03
F2022/00896	CRUSHER HOPPER	2022/08/03
F2022/00951	KIOSK ROOF	2022/08/17
F2022/01084	NUT	2022/09/16
F2022/01188	WEAR PLATE FOR A PUMP	2022/10/04
F2022/01315	PALLETS AND CARTONS FOR LOADING SHIPPING CONTAINERS	2022/10/19
F2022/01389	CONTAINER	2022/11/04
F2022/01406	Blank for a Punnet with Handle	2022/11/08
F2022/01436	Tank Stands	2022/11/10
F2022/01447	SACRIFICIAL ANODE WITH EXHAUSTION INDICATION AND WITHOUT WELDED CORE	2022/11/11
F2022/01448	SACRIFICIAL ANODE WITH EXHAUSTION INDICATION AND WELDED CORE	2022/11/11
F2022/01543	ANTI-WRINKLE APPLIANCES	2022/12/01
F2022/01545	ANTI-WRINKLE APPLIANCES	2022/12/01
F2022/01547	ANTI-WRINKLE APPLIANCES	2022/12/01
F2022/01550	HOLSTER	2022/12/01
F2022/01583	PROFILED SHEETS	2022/12/07
F2022/01584	BACKREST FOR ROOFTOP TENT	2022/12/08
F2022/01585	TABLE FOR ROOFTOP TENT	2022/12/08
F2022/01600	WOUND BED ACCESS DEVICES	2022/12/12
F2022/01602	GEAR CASING	2022/12/12
F2022/01603	FOLDABLE CHAIRS	2022/12/12
F2022/01605	GEAR CASING	2022/12/12
F2022/01609	GEAR CASING	2022/12/12
F2022/01611	GEAR CASING	2022/12/12
F2022/01614	GEAR CASING	2022/12/12
F2022/01616	GEAR CASING	2022/12/12
F2023/00099	LABEL POCKET	2023/01/25
F2023/00431	RESPIRATORY DEVICE	2023/04/06
F2023/00654	PILLOW	2023/05/31
F2023/00693	PACKAGED MATTRESS	2023/06/15