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2. PATENTS

PATENTS

APPLICATIONS FOR PATENTS

Copies of these specifications cannot be supplied until the applications have been accepted and advertised, or in the case of convention applications, until 18 months from the date of the application in the convention

THE PARTICULARS APPEAR IN THE FOLLOWING SEQUENCE:

The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(43)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)** Title of invention. **(00)** Number of sheets.

- APPLIED ON 2024/07/29 -

2024/05817 ~ Complete ~54:HANDHELD CABLE CUTTING METHOD AND DEVICE THEREOF ~71:Sichuan Huaneng Jialingjiang Hydropower Co., Ltd., No. 189 Liulin Road, Shunqing District, Nanchong City, Nanchong City, Sichuan Province, 637003, People's Republic of China ~72: Duanxi WANG;Hao WANG;Ping CHEN;Xiwang ZHONG;Yang YANG~ 33:CN ~31:2023112331786 ~32:22/09/2023

2024/05818 ~ Complete ~54:DEVICE FOR DETECTION OF RESERVOIR SEDIMENT ACCUMULATION ~71:Sichuan Huaneng Kangding Hydropower Co., Ltd., Yuanyangba, Guzan Town, Kangding City, Garze Tibetan Autonomous Prefecture, Sichuan Province, 626001, People's Republic of China ~72: Xiaoming LI;Yazhou LI;Zhipeng SONG~ 33:CN ~31:2024103360407 ~32:22/03/2024

2024/05837 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATING PARKINSON'S DISEASE ~71:NeuroDerm Ltd., 3 Pekeris Street, Rabin Science Park, REHOVOT 7670212, ISRAEL, Israel ~72: BEN ELIAHU, Shmuel;BIRNBERG, Tal;FINKELSHTAIN BEKER, Danit;VOSTOKOVA, Natalia~ 33:US ~31:63/296,019 ~32:03/01/2022

2024/05839 ~ Complete ~54:DEVICE AND METHOD FOR THE EXTRUSION MANUFACTURE OF A POROUS SUPPORT WITH A RECTILINEAR CENTRAL CHANNEL AND NON-RECTILINEAR CHANNELS ~71:TECHNOLOGIES AVANCEES ET MEMBRANES INDUSTRIELLES, ZA Les Laurons, 26110, Nyons, France ~72: JÉRÔME ANQUETIL;PHILIPPE LESCOCHE~ 33:FR ~31:FR2114677 ~32:30/12/2021

2024/05804 ~ Provisional ~54:VENTILATION DUCT ~71:TERRAVENT (PTY) LTD, 965 Duncan Street, Brooklyn, South Africa ~72: VAN SCHOOR, Martin John~

2024/05808 ~ Complete ~54:APHRODISIAC HEALTH-CARE MEDICINAL WINE ~71:Junwei Liu, No. 65, Liulou, Liulou Xingzheng Village, Songhe Town, Luyi County, Zhoukou, Henan, People's Republic of China ~72: Junwei Liu~ 33:CN ~31:2024106841184 ~32:30/05/2024

2024/05812 ~ Complete ~54:MEDICAMENT FOR INHIBITING SPROUTS REGENERATION OF GRAFTED WATERMELON ROOTSTOCK ~71:Weifang Academy of Agricultural Sciences, No. 1921, Shengli East Street, Kuiwen District, Weifang City, Shandong Province, People's Republic of China ~72: HAN Lujie;LI Na;SUN Jifeng;SUN Shasha;WANG Jin;YANG Xiaodong;ZHANG Yuanguo~

2024/05828 ~ Complete ~54:PROCESS FOR THE EFFICIENT PRODUCTION OF BIO HIGH PURITY ISOBUTENE FROM RENEWABLES ~71:LUMMUS TECHNOLOGY LLC, 5825 N. Sam Houston Parkway West, Suite 600 Houston, United States of America ~72: ALMERING, Martinus, Johannes;BARIAS, Rosette;VOGT, Todd~ 33:US ~31:63/308,944 ~32:10/02/2022

2024/05830 ~ Complete ~54:RFID SYSTEM AND METHOD FOR MONITORING THE DEGREE OF RIPENESS OF A PLURALITY OF FRUITS ~71:ILIP S.R.L., Via Castelfranco, 52 Loc. Bazzano, Italy ~72: AMENDOLA, Sara;BIGNAMI, Filippo;CAMERA, Francesca;D'UVA, Nicola;GARAVAGLIA, Luigi;MARROCCO, Gaetano;OCCHIUZZI, Cecilia~

2024/05833 ~ Complete ~54:SURGE PROTECTOR ~71:STREAMER, ELECTRIC COMPANY INC., Nevsky pr.147, pom.17N, St.Petersburg, Russian Federation ~72: ENKIN, Evgenii Yurievich~ 33:RU ~31:2021139441 ~32:28/12/2021

2024/05841 ~ Complete ~54:METHODS FOR THE PREPARATION OF ETHYL 3-BROMO-1-(3-CHLOROPYRIDIN-2-YL)-4,5-DIHYDRO-1 H-PYRAZOLE-5- CARBOXYLATE ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America;FMC IP TECHNOLOGY GMBH, Industrieplatz 1c/Mittelbau, 8212, Neuhausen, Switzerland ~72: FENGDONG YU;MIAO WANG;MINGHAI LEI;ZONGREN HAN~ 33:US ~31:63/304,772 ~32:31/01/2022

2024/05809 ~ Complete ~54:METHOD FOR RECYCLING METAL MATERIALS FROM SPENT CARBON-SUPPORTED NOBLE METAL CATALYSTS BY USING IONIC LIQUIDS ~71:NEI MONGOL SHENGLONG DADI TECHNOLOGY CO., LTD, South Of Weiliu Road, Sanxiangliang Industrial Park, Dalate Banner Ordos, Inner Mongolia, 014300, People's Republic of China ~72: LI, Yuqiang~ 33:CN ~31:202410410713.9 ~32:08/04/2024

2024/05811 ~ Complete ~54:LARGE-SCALE DENUDATION DEPTH THEMATIC MAPPING METHOD ~71:Institute Of Geology, Chinese Academy Of Geological Sciences, No. 26 Baiwanzhuang Street, Xicheng District, Beijing, 100037, People's Republic of China ~72: CHEN, Wen;DING, Ruxin;DU, Qiuyi;LI, Zhi;SHEN, Ze;SUN, Jingbo;TIAN, Pengfei;ZHANG, Bin;ZHANG, Wen;ZHAO, Shuangfeng~ 33:CN ~31:202311174354.3 ~32:13/09/2023

2024/05826 ~ Complete ~54:AEROSOL-GENERATING ARTICLE COMPRISING A SOLID AEROSOL-GENERATING SUBSTRATE AND A SUSCEPTOR ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: FASCIANI, Chiara;GAMBS, Céline;VOLLMER, Jean-Yves~ 33:EP ~31:21218492.3 ~32:31/12/2021

2024/05831 ~ Complete ~54:MIRROR-IMAGE SELECTION OF L-NUCLEIC ACID APTAMERS ~71:TSINGHUA UNIVERSITY, 1 Qinghuayuan, Haidian District Beijing, People's Republic of China ~72: CHEN, Ji;ZHU, Ting~ 33:US ~31:63/306,139 ~32:03/02/2022;33:US ~31:63/311,092 ~32:17/02/2022

2024/05838 ~ Complete ~54:AAV CAPSID VARIANTS AND USES THEREOF ~71:Voyager Therapeutics, Inc., 75 Hayden Ave., LEXINGTON 02421, MA, USA, United States of America ~72: MAURA, Damien;NONNENMACHER, Mathieu Emmanuel;REN, Amy Zhen;WANG, Wei~ 33:US ~31:63/307,742 ~32:08/02/2022;33:US ~31:63/339,574 ~32:09/05/2022

2024/05850 ~ Provisional ~54:MOSA'S LIVE ARTS ~71:MOSA MABHUTI MAKHATHA, 15 GRACELAND ESTATE, SEGAL AVE, HALFWAY GARDENS, South Africa ~72: MOSA MABHUTI MAKHATHA~

2024/05806 ~ Complete ~54:STOOL COLLECTOR ~71:Bei'an First People's Hospital, No. 222, Longjiang Road, Bei'an City, Heihe, Heilongjiang, People's Republic of China ~72: Yuxin Liu;Zhijie Qu~

2024/05816 ~ Complete ~54:3-DIMENSIONAL CYLINDRICAL FERROELECTRIC BASED NEGATIVE CAPACITANCE GATE-ALL-AROUND FET SILICON-NANOWIRE DEVICE FOR LOW POWER APPLICATIONS ~71:Dr. Bijit Choudhuri, Assistant professor, Department of Electronics and Communication Engg., National Institute of Technology Silchar, District- Cachar, State- Assam - 788010, India;Dr. Kavicharan Mummaneni, Assistant professor, Department of Electronics and Communication Engg., National Institute of Technology

Silchar, District- Cachar, State- Assam - 788010, India;Dr. Puspa Devi Pukhrambam, Assistant professor, Department of Electronics and Communication Engg., National Institute of Technology Silchar, District- Cachar, State- Assam - 788010, India;Malvika, Research Scholar, Department of Electronics and Communication Engg., National Institute of Technology Silchar, District- Cachar, State- Assam - 788010, India;Vivek Kumar, Research Scholar, Department of Electronics and Communication Engg., National Institute of Technology Silchar, District- Cachar, State- Assam, - 788010, India ~72: Dr. Bijit Choudhuri;Dr. Kavicharan Mummaneni;Dr. Puspa Devi Pukhrambam;Malvika;Vivek Kumar~

2024/05822 ~ Complete ~54:EPOXY-BASED BIO-PAINTS FROM CASTOR OIL WITH ANTIMICROBIAL AND ANTI-RADIATION PROPERTIES ~71:SELOKONG SA DIMELANA (PTY) LTD, 1 JAN SMUTS AVENUE RICHARD WARD BUILDING, South Africa ~72: MABAPA, Thabang Jacob;MUKAYA, Hembe Elie;NEKHAVHAMBE, Edza;NKAZI, Diakanua Bavon~

2024/05824 ~ Complete ~54:METHODS AND PHARMACEUTICAL COMPOSITIONS FOR THE TREATMENT AND THE PREVENTION OF CARDIOMYOPATHY ASSOCIATED WITH FRIEDREICH ATAXIA ~71:CORNELL UNIVERSITY, 395 Pine Tree Road, Suite 310, United States of America;LEXEO THERAPEUTICS, INC., 345 Park Avenue South, Sixth Floor, United States of America ~72: BARTH, Jay A.;CRYSTAL, Ronald G.;KAMINSKY, Stephen M.;KHANNA, Richie;SONDHI, Dolan~ 33:US ~31:63/305,494 ~32:01/02/2022;33:US ~31:63/341,669 ~32:13/05/2022

2024/05844 ~ Complete ~54:NTSR1-TARGETED RADIOPHARMACEUTICALS AND CHECKPOINT INHIBITOR COMBINATION THERAPY ~71:FUSION PHARMACEUTICALS INC., 270 Longwood Road South, Hamilton, Ontario, L8P 0A6, Canada ~72: MARIA AUDREY JALINE LLANTO BROQUEZA;NATALIE GRINSHTEIN;SALEEMULLA MAHAMMAD~ 33:US ~31:63/304,173 ~32:28/01/2022

2024/05819 ~ Complete ~54:METHOD FOR VERIFICATION OF ACCURACY OF SENSOR SIGNAL SOURCE AND TEMPERATURE MEASUREMENT DEVICE THEREOF ~71:Sichuan Huaneng Baoxinghe Hydropower Co., Ltd., No. 113, Middle of Qingyijiang Road, Yucheng District, Ya'an City, Sichuan Province, 625099, People's Republic of China ~72: Bo ZHOU;Chifei ZHANG;Dehang SHI;Hongyu WU;Jiangtao LIU;Xing LAI;Zuorui LI~ 33:CN ~31:2023110953027 ~32:28/08/2023

2024/05840 ~ Complete ~54:A HYGIENE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DEBORAH WILLIAMS;EMMA JANE SAUNDERS;NAMISHA MOHAPATRA;PHILIP CAUNT;RAMYA SAMPATH KUMAR;SAMIRAN MAHAPATRA;SANDEEP VARMA;SOMNATH GHOSH;SRILAXMI VENKATA MEDEPALLI~ 33:IN ~31:202221010898 ~32:25/02/2022;33:EP ~31:22171267.2 ~32:03/05/2022

2024/05843 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AND METHODS OF USE ~71:SCHRÖDINGER, INC., 1540 Broadway, 24th Floor, New York, New York, 10036, United States of America ~72: ABBA ELIAS LEFFLER;ADAM MARC LEVINSON;ANATOLY RUVINSKY;ANDREW PLACZEK;EVELYNE HOUANG;JEREMY ROBERT GREENWOOD;LEAH FRYE;ZEF KONST~ 33:US ~31:63/306,784 ~32:04/02/2022;33:US ~31:63/376,595 ~32:21/09/2022

2024/05846 ~ Complete ~54:PSMA-TARGETED RADIOPHARMACEUTICALS AND CHECKPOINT INHIBITOR COMBINATION THERAPY ~71:FUSION PHARMACEUTICALS INC., 270 Longwood Road South, Hamilton, Ontario, L8P 0A6, Canada ~72: NATALIE GRINSHTEIN;SALEEMULLA MAHAMMAD;SHEKOUFEH ALMASI~ 33:US ~31:63/304,181 ~32:28/01/2022

2024/05800 ~ Provisional ~54:DETACHABLE VIDEO CAMERA ATTACHMENT FOR LARYNGOSCOPE TO ENABLE VIDEO GUIDED INTUBATION ~71:Juandre Klopper, 26 Richter Avenue, South Africa ~72: Juandre Klopper~

2024/05810 ~ Complete ~54:SIMPLE AND RAPID PROCESSING DEVICE USED FOR GRADING SOIL PARTICLE SIZE ~71:INSTITUTE OF HYDROGEOLOGY AND ENVIRONMENTAL GEOLOGY, CHINESE ACADEMY OF GEOLOGICAL SCIENCES, No. 268, North Zhonghua Street, Xinhua District, Shijiazhuang City, People's Republic of China ~72: CHEN, Hongyun;LIU, Junjian;LIU, Xinlei;YANG, Jingyi~

2024/05814 ~ Complete ~54:HIGH-PRECISION AUTOMATIC ADJUSTMENT DETECTION DEVICE FOR SEGMENTAL BEAMS ~71:Jiangsu Senmiao Engineering Quality Testing Co., Ltd, No 500 Changxiang West Avenue, Dantu New City, Dantu District, Zhenjiang City, Jiangsu Province, People's Republic of China ~72: MAO Anjing;WANG Ruiwen;YANG Yanhua~

2024/05820 ~ Complete ~54:CULTURE OF ESTEYA VERMICOLA AND ITS PREPARATION METHOD AND APPLICATION ~71:ECOLOGY AND NATURE CONSERVATION INSTITUTE, CHINESE ACADEMY OF FORESTRY, No. 2 Dongxiaofu, Haidian District, People's Republic of China ~72: FENG, Yuqian;LI, Dongzhen;LI, Yongxia;LIU, Zhenkai;WANG, Xuan;WEN, Xiaojian;ZHANG, Wei;ZHANG, Xingyao~

2024/05821 ~ Complete ~54:DRYING OIL-BASED BIO-PAINTS FROM CASTOR OIL WITH ANTIMICROBIAL AND ANTI-RADIATION PROPERTIES ~71:SELOKONG SA DIMELANA (PTY) LTD, 1 JAN SMUTS AVENUE RICHARD WARD BUILDING, South Africa ~72: MABAPA, Thabang Jacob;MUKAYA, Hembe Elie;NEKHAVHAMBE, Edza;NKAZI, Diakanua Bavon~

2024/05834 ~ Complete ~54:ACTIVIN RECEPTOR TYPE IIB VARIANTS AND USES THEREOF ~71:35Pharma Inc., 750 Boul. Saint-Laurent, Suite 101, MONTREAL H2Y 2Z4, QUÉBEC, CANADA, Canada ~72: GANESH, Vannakambadi K.;O'CONNOR-MCCOURT, Maureen;SCHANG, Gauthier;TREMBLAY, Gilles~ 33:US ~31:63/304,478 ~32:28/01/2022;33:US ~31:63/397,773 ~32:12/08/2022;33:US ~31:63/416,852 ~32:17/10/2022;33:US ~31:63/420,999 ~32:31/10/2022

2024/05835 ~ Complete ~54:ENHANCED MODULAR MESHES AS PART OF A VIBRATING SCREEN COMPONENT THAT INTEGRATES CUBIC AND LAMELLAR SORTING EQUIPMENT FOR SORTING MINING MATERIALS, A SYSTEM FOR JOINT FASTENING OF ADJOINING UNITS OF ENHANCED MODULAR MESHES TO THE STRUCTURAL BASE OF A VIBRATING SCREEN COMPONENT, AND A PROCEDURE FOR ASSEMBLING/DISMANTLING THAT BASE ~71:Haver & Boecker Latinoamericana Limitada, Rodov. Maria da Piedade Costa, 995 - Barreiro, PEDRO LEOPOLDO (MG) 33.255-360, BRAZIL, Brazil ~72: GERALDO ESQUÁRCIO JÚNIOR, Célio~ 33:BR ~31:1020220187495 ~32:19/09/2022

2024/05849 ~ Complete ~54:ORAL CARE COMPOSITION COMPRISING POROUS SILICA PARTICLES ~71:SIGRID THERAPEUTICS AB, 7A Odenplan, Norrtullsgatan 6, Sweden ~72: BAEK, Jeanha;BENGTSSON, Tore;IOANNIDOU, Anna;JOHNSTON, Eric;ROBERT-NICOUD, Ghislaine Monique Nicole~ 33:GB ~31:2201484.9 ~32:04/02/2022

2024/05813 ~ Complete ~54:DRIVER MONITORING SYSTEM BASED ON DEEP LEARNING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: HU Guoping;JIAO Shuaiyang;LI Aizeng;LIN Mengyang;LIU Anqi;PU Jinbiao;WANG Yuhua~

2024/05815 ~ Complete ~54:A SMART TOILET SYSTEM ~71:GAE MAHLAKUNG (PTY) LTD, STAND NO 10081, KGOKONG VILLAGE, South Africa ~72: BOPAPE MATOME ZACHARIA~ 33:ZA ~31:2023/09206 ~32:02/10/2023

2024/05823 ~ Complete ~54:POLYURETHANE-BASED GREEN COATINGS FROM CASTOR OIL WITH ANTIMICROBIAL AND ANTI-RADIATION PROPERTIES ~71:SELOKONG SA DIMELANA (PTY) LTD, 1 JAN

SMUTS AVENUE RICHARD WARD BUILDING, South Africa ~72: MABAPA, Thabang Jacob;MUKAYA, Hembe Elie;NEKHAVHAMBE, Edza;NKAZI, Diakanua Bavon~

2024/05825 ~ Complete ~54:AN ENHANCER FOR DELIVERY OF AEROSOL FROM A PRESSURIZED METERED DOSE INHALER (PMDI) ~71:AERODEL TECHNOLOGIES LLP, Plot No. 104, Flat No. 401, Suman Heritage, Sector 28, Nerul, Thane, Navi Mumbai -400706, Maharashtra (India), India ~72: JAFFER, Zahir;K K, Suraj Rajan;SANGWAI, Shradha~ 33:IN ~31:202121061896 ~32:30/12/2021

2024/05836 ~ Complete ~54:IMIDAZOLE MACROCYCLES FOR THE TREATMENT OF AUTOIMMUNE DISEASE ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: CHEN, Jianguo;CHEN, Shuai;GUBA, Wolfgang;HAN, Xingchun;JIANG, Min;KOU, Buyu;LIN, Zhaohu;LIU, Haixia;LIU, Yafei;SHEN, Hong;WU, Yao;ZHANG, Weixing;ZHANG, Zhenhong;ZHANG, Zhiwei;ZHU, Jiansheng;ZHU, Wei~ 33:IB ~31:2022/075304 ~32:02/02/2022;33:IB ~31:2022/137604 ~32:08/12/2022

2024/05845 ~ Complete ~54:NTSR1-TARGETED RADIOPHARMACEUTICALS AND DNA DAMAGE RESPONSE INHIBITOR COMBINATION THERAPY ~71:FUSION PHARMACEUTICALS INC., 270 Longwood Road South, Hamilton, Ontario, L8P 0A6, Canada ~72: JOHN R FORBES;SALEEMULLA MAHAMMAD~ 33:US ~31:63/304,178 ~32:28/01/2022

2024/05807 ~ Complete ~54:SOWING METHOD FOR EFFICIENT PLANTING OF BEANS ~71:Chifeng Agricultural and Animal Husbandry Science Research Institute, Agricultural and Animal Husbandry Innovation Building, Chifeng Agricultural and Animal Husbandry Technology Industrial Park, Songshan District, Chifeng, Inner Mongolia, People's Republic of China ~72: Bin Zhang;Haibo Hu;Pengyu Fu;Qingyan Zhang;Xiaolei Wang;Xuechao Zhou;Yingchun Liu;Yunshan Wei;Yushan Zhao;Zeran Kang;Zhihui Cui~

2024/05805 ~ Provisional ~54:VIB3 ~71:Francois Lategan, 381 Frank Rd, South Africa ~72: Francois Lategan~

2024/05832 ~ Complete ~54:DRILLING MACHINE WITH IMPROVED CAROUSEL LOADING DEVICE ~71:COMACCHIO SPA, Via Callalta, 24/B, Italy ~72: Pasqualino COMACCHIO;Patrizio COMACCHIO;Renzo COMACCHIO~

2024/05842 ~ Complete ~54:DREDGING AND DESILTING DEVICE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: JIANHUA MA~ 33:CN ~31:2023108065427 ~32:03/07/2023

2024/05802 ~ Provisional ~54:EMERGENCY EVACUATION MANAGEMENT SYSTEM ~71:MULLA, Igsaan, 653 Cedar Creek Estate, Broadacres, Fourways, South Africa ~72: MULLA, Igsaan~

2024/05803 ~ Provisional ~54:A TAMPER DETECTOR AND METHOD FOR DETECTING AN OCCURRENCE OF TAMPERING ~71:LIVID INNOVATIONS (PTY) LTD, 9 TEGEL AVENUE, HIGHVELD, South Africa ~72: ASHEN SEWRAM;JODACH MUDALY~

2024/05801 ~ Provisional ~54:WHEEL PROTECTION AGAINST THEFT DEVICE ~71:Belinda Weyer, 16 St Malo, 17 1st Avenue, South Africa ~72: Belinda Weyer~

2024/05827 ~ Complete ~54:USE OF POLYMER COMPOSITION ON MAKING SOFT NONWOVEN FABRICS ~71:BOREALIS AG, Trabrennstrasse 6-8, Vienna, Austria ~72: AGERSNAP SCHERER, Mathias;BOHL, Patrick;BROCH, Thomas;FIEBIG, Joachim;GEUS, Hans-Georg;RISE HANSEN, Morten;SOMMER, Sebastian;TOBIESON, Gustaf;VAN PARIDON, Henk;WANG, Jingbo~ 33:EP ~31:22150284.2 ~32:05/01/2022

2024/05829 ~ Complete ~54:COMPOUNDS AND RADIOLIGANDS FOR TARGETING NEUROTENSIN RECEPTOR AND USES THEREOF ~71:FULL-LIFE TECHNOLOGIES HK LIMITED, Unit 417, 4/F, Lippo Centre, Tower Two, Hong Kong ~72: LIU, Fa~ 33:US ~31:63/311,621 ~32:18/02/2022

2024/05847 ~ Complete ~54:A SKIN BRIGHTENING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANAGHA BETADPUR;MAITREYEE DUTTA;NIRMALA SANTOSH NAIR~ 33:EP ~31:22163113.8 ~32:18/03/2022

2024/05848 ~ Complete ~54:A FILM COMPOSITION ~71:HUHTAMAKI INDIA LIMITED, 12A-06, B-Wing, 13th Floor, Parinee Crescenzo, India ~72: GUPTA, Uma Shankar (deceased);SINGH, Ashwini Kumar~ 33:IN ~31:202221005297 ~32:31/01/2022

- APPLIED ON 2024/07/30 -

2024/05867 ~ Complete ~54:ROCK BOLT COMPONENT, A METHOD OF MANUFACTURING A ROCK BOLT COMPONENT AND A ROCK BOLT ASSEMBLY ~71:RSC Mining (Pty) Ltd, 1 Tedstone Road, Wadeville, South Africa ~72: BASSON, Francois~ 33:ZA ~31:2023/08401 ~32:31/08/2023

2024/05870 ~ Complete ~54:KIND OF WORM TEA OF UNCARIA RHYNCHOPHYLLA AND ITS PREPARATION METHOD ~71:GUANGXI BOTANICAL GARDEN OF MEDICINAL PLANTS, 189, Changgang Road, Xingning District, People's Republic of China;GUANGXI SANJIANG GOLDEN VINE AGRICULTURAL DEVELOPMENT CO., LTD, 189, Changgang Road, Xingning District, People's Republic of China ~72: BAI, Longhua;FENG, Shixin;GUN, Di;JI, Xiaowen;WAN, Lingyun;WEI, Shugen;ZHAI, Yongjin;ZHANG, Zhanjiang~

2024/05871 ~ Complete ~54:INTELLIGENT DOOR LOCK CONTROL METHOD AND SYSTEM ~71:Sichuan Huaneng Taipingyi Hydropower Co., LTD., Yingxiu Town, Wenchuan County, Aba Tibetan and Qiang Autonomous Prefecture, Sichuan Province, 623003, People's Republic of China ~72: Dongdong ZHAO;Hong ZHAO;Xuan YI;Zhenhan QIU;Zhong HUANG~ 33:CN ~31:2023110215899 ~32:15/08/2023

2024/05881 ~ Complete ~54:METHOD FOR PRODUCING AQUEOUS SOLUTION CONTAINING NICKEL OR COBALT ~71:KEMCO, 542 Gangnam-daero, Gangnam-gu, Seoul, 06110, Republic of Korea;KOREA ZINC CO., LTD., 542, Gangnam-daero, Gangnam-gu, Seoul, 06110, Republic of Korea ~72: CHANG YOUNG CHOI;HEON SIK CHOI;JAE HOON JOO~ 33:KR ~31:10-2023-0010613 ~32:27/01/2023

2024/05883 ~ Complete ~54:SYSTEMS AND METHODS FOR PROVIDING LOW RISK ASSET-BASED INVESTMENT PRODUCTS ~71:EW, 283 Vieux Chemin Du Val De Cuech, 13300, Salon-De-Provence, France ~72: NICOLAS TEISSIER~ 33:US ~31:63/306,259 ~32:03/02/2022;33:US ~31:63/347,391 ~32:31/05/2022;33:US ~31:18/059,512 ~32:29/11/2022

2024/05887 ~ Complete ~54:INTEGRATED RAIL FOR POOL TABLE ~71:QIAO, Bing, No.1 Yansai Lake Road, Shanhaiguan District, Qinhuangdao, People's Republic of China ~72: QIAO, Bing~ 33:CN ~31:202310163636.7 ~32:24/02/2023

2024/05851 ~ Provisional ~54:GEAR-DRIVEN DRILL HEAD WITH ROTARY UNION ~71:Say It Have It Construction and Projects (Pty) Ltd, Holding 66, Road Number 5, South Africa ~72: NGOBENI, DERICK TSWALEDI~

2024/05859 ~ Complete ~54:BATCH PRODUCTION APPARATUS FOR PEARL POWDER CELADON ~71:Zhejiang University of Science And Technology, 318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang Province, 310023, People's Republic of China ~72: CAI, Chenggang;FENG, Keyu;FENG, Xi;RAO, Zhongwei;SHI, Yang;YU, Aihua~

2024/05860 ~ Complete ~54:FOLLOW-UP ROLLING DEVICE FOR MACHINING SLENDER SHAFT PARTS ~71:Suzhou Vocational University, Suzhou Vocational University, 106 Zhineng Avenue, International Education Park, Suzhou, Jiangsu Province, 215104, People's Republic of China ~72: GAI, Liwu;GU, Xing;HUAN, Yi;ZHAO, Hongping~

2024/05869 ~ Complete ~54:ANGIOPOIETIN-LIKE 3 (ANGPTL3) 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: JEFFREY ZUBER;LAUREN BLAIR WOODS;LUCAS D BONDURANT;MARK K SCHLEGEL;TYLER CHICKERING~ 33:US ~31:63/156,476 ~32:04/03/2021;33:US ~31:63/308,668 ~32:10/02/2022

2024/05874 ~ Complete ~54:BONDING COMPOSITION FOR BINDING AN ALGINATE COATING TO A VEGETARIAN OR VEGAN FOODSTUFF ~71:HANZE FOOD B.V., Munsterstraat 22, Netherlands ~72: ALBERTS-RENSSEN, Thomas~ 33:NL ~31:2030910 ~32:11/02/2022

2024/05875 ~ Complete ~54:METHOD FOR PRODUCING DAIRY SUBSTITUTE PRODUCTS ~71:Meura S.A., Rond Point JB Meura, 1, PERUWELZ 7600, BELGIUM, Belgium ~72: CANTILLON, Pascal;HAERINCK, Mathieu;HARMEGNIES, Frédérique;LAMBIN, Lorraine;SIMAL, Olivier~ 33:BE ~31:BE2022/5110 ~32:18/02/2022

2024/05877 ~ Complete ~54:HER3 ANTIBODY-DRUG CONJUGATE AND USE THEREOF ~71:Duality Biologics (Suzhou) Co.,Ltd., Unit 301, Building 3, Zone B, Biomedical Industrial Park Phase 3,, No. 99 Jingu Road, Suzhou Industrial Park, SHANGHAI 215000, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: LI, Xi;ZHANG, Yu;ZHU, Zhongyuan~ 33:CN ~31:202210107800.8 ~32:28/01/2022;33:CN ~31:202310015113.8 ~32:05/01/2023

2024/05882 ~ Complete ~54:SINGLE MIXED REFRIGERANT LNG PRODUCTION PROCESS ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Blvd., Allentown, Pennsylvania, 18106, United States of America ~72: ANNEMARIE OTT WEIST;BO JIN;BRIAN JAMES BARR;MARK JULIAN ROBERTS~ 33:US ~31:17/682,534 ~32:28/02/2022

2024/05863 ~ Complete ~54:PURE TRADITIONAL CHINESE MEDICINE FORMULA FOR ROTTING SKIN AND ROTTEN BODY OF AQUATIC ANIMALS AND PREPARATION METHOD THEREOF ~71:Henan Datong Biotechnology Co., LTD, 50 meters north of Houdi Village, Funingji Town, Yuanyang County, Xinxiang City, Henan Province, People's Republic of China ~72: He Zelin~

2024/05865 ~ Complete ~54:PURE CHINESE MEDICINE FORMULA FOR VIRAL INFECTIONS OF AQUATIC ANIMALS AND PREPARATION METHOD THEREFOR ~71:Henan Datong Biotechnology Co., LTD, 50 meters north of Houdi Village, Funingji Town, Yuanyang County, Xinxiang City, Henan Province, People's Republic of China ~72: He Zelin~

2024/05866 ~ Complete ~54:ROCK BOLT COMPONENT, A METHOD OF MANUFACTURING A ROCK BOLT COMPONENT AND A ROCK BOLT ASSEMBLY ~71:RSC Mining (Pty) Ltd, 2 Tedstone Street, Wadeville, South Africa ~72: BASSON, Francois~ 33:ZA ~31:2023/08401 ~32:31/08/2023

2024/05879 ~ Complete ~54:ANHYDROUS CRYSTALLINE FORMS OF 2-((4S)-6-(4-CHLOROPHENYL)-1-METHYL-4H-BENZO[C]ISOXAZOLO[4,5-E]AZEPIN-4-YL)ACETAMIDE ~71:Constellation Pharmaceuticals, Inc., 470 Atlantic Avenue, Suite 1401, BOSTON 02210, MA, USA, United States of America ~72: PLAMONDON, Louis~ 33:US ~31:63/304,746 ~32:31/01/2022

2024/05864 ~ Complete ~54:ADJUSTABLE DERIVATION DEVICE FOR SECOND-ORDER DIFFERENTIAL EQUATIONS ~71:Guizhou Education University, No. 115, Gaoxin Road, Wudang District, Guiyang City, Guizhou Province, 550018, People's Republic of China ~72: Tao Lei~

2024/05873 ~ Complete ~54:COMPOUNDS AND METHODS FOR TREATING FRIEDREICH'S ATAXIA ~71:DESIGN THERAPEUTICS, INC., 6005 Hidden Valley Road, Suite 110, United States of America ~72: ANSARI, Aseem;BHAT, Abhijit;JEFFRIES, Sean;SHAH, Pratik;ZHANG, Chengzhi~ 33:US ~31:63/297,090 ~32:06/01/2022;33:US ~31:63/382,854 ~32:08/11/2022

2024/05876 ~ Complete ~54:ELECTRICAL TRACTION SYSTEM FOR AN INDUSTRIAL ELECTRIC VEHICLE, INDUSTRIAL ELECTRIC VEHICLE, ELECTRICAL POWER SUPPLY SYSTEM AND METHOD OF PROVIDING ELECTRICAL ENERGY TO AN INDUSTRIAL ELECTRIC VEHICLE ~71:ABB Schweiz AG, Bruggerstrasse 66, BADEN 5400, SWITZERLAND, Switzerland ~72: ASHNAGARAN, Mehrzad;BEUTLER, Nic;DIKK, Stefan;JENELTEN, Thierry;MICKE, Thorsten~

2024/05878 ~ Complete ~54:IRAK DEGRADERS AND USES THEREOF ~71:Kymera Therapeutics, Inc., 500 North Beacon Street, 4th Floor, WATERTOWN 02472, MA, USA, United States of America ~72: DE SAVI, Chris;FOLLOWS, Bruce C.;MAINOLFI, Nello;WEISS, Matthew M.;ZHENG, Xiaozhang;ZHU, Xiao~ 33:US ~31:63/267,372 ~32:31/01/2022;33:US ~31:63/268,341 ~32:22/02/2022;33:US ~31:63/269,581 ~32:18/03/2022;33:US ~31:63/363,687 ~32:27/04/2022;33:US ~31:63/365,741 ~32:02/06/2022;33:US ~31:63/374,297 ~32:01/09/2022

2024/05858 ~ Complete ~54:AN INTELLIGENT INTEGRATED SUPERVISION PLATFORM FOR MINE SAFETY PRODUCTION ~71:(Ma'anshan) Intelligent Emergency Technology Co., Ltd. of China Iron and Steel Mining Institute, Building 31, No.1369 West Jiuhua Road, Yushan Economic Development Zone, Ma'anshan City, Anhui Province, 243000, People's Republic of China;Sinosteel Ma'anshan General Institute of Mining Research Co., Ltd., No.666, Xitang Road, Economic and Technological Development Zone, Ma 'anshan City, Anhui Province, 243000, People's Republic of China ~72: Bokun CHEN;Cai YU;Dejun ZHOU;Jingwen DENG;Jun LUO;Meijie WANG;Nan QIN;Ping HU;Qi HUANG;Shihu DING;Xiaozhou CHENG;Yun ZHANG~

2024/05852 ~ Provisional ~54:MOBILE APPLICATION FOR AUTHENTICATION AND VERIFICATION OF RETAIL PRODUCTS VIA BARCODE SCANNING ~71:Katlego Shadrack Mohlabe, Ruimsig Country Estate, 4 Altura, South Africa ~72: Katlego Shadrack Mohlabe~

2024/05861 ~ Complete ~54:A COMPREHENSIVE SOIL REMEDIATION SYSTEM AND METHOD FOR MITIGATING HEAVY METAL POLLUTION IN CONTAMINATED ENVIRONMENTS ~71:SICHUAN ZHIXIANGYI TECHNOLOGY CO., LTD., No. GW1101, 11th Floor, Building 9-2, No. 75, Cuijiadian Road, Chenghua District, Chengdu City, Sichuan Province, 610051, People's Republic of China;Sichuan Bozhiduo Technology Co., Ltd., No. 430, Xingneng Road, Gongye East District, Xindu District, Chengdu City, Sichuan Province, 610599, People's Republic of China;Sichuan University of Science and Engineering, No. 519, Xueyuan Street, Huixing Road, Ziliujing District, Zigong City, Sichuan Province, 643000, People's Republic of China;Yibin Wuliangye Co., Ltd., No. 150, Minjiang West Road, Cuiping District, Yibin City, Sichuan Province, 644000, People's Republic of China;Zigong Zhishengxin Technology Co., Ltd, No. 519, Xueyuan Street, Huixing Road, Ziliujing District, Zigong City, Sichuan Province, 643000, People's Republic of China ~72: Chi-Hui Tsou;Chih-Yuan Tsou;Jian-Hua Du;Li Lin;Ling Bai;Tao Yang;Xuefei Hu;Yunsong Bai~ 33:CN ~31:202311143683.1 ~32:06/09/2023

2024/05872 ~ Complete ~54:METHOD FOR INTEGRAL LIFTING OF STEEL BAR SEGMENT WITH A LARGE DIAMETER AND A VARIABLE CIRCULAR CROSS SECTION ~71:China Road And Bridge Corporation, No.88,Andingmenwai Avenue C,Dongcheng District, Beijing, 100011, People's Republic of China;ROAD & BRIDGE INTERNATIONAL CO., LTD., 8/F, Luqiao building, Block A, Donghuan Plaza,#9 Dongzhong Street,

Dongcheng District, Beijing, 100027, People's Republic of China; Road & Bridge Southern China Engineering Co., Ltd., 19F, 3 Mansion, Central Plaza, 1 XingZheng Road, East District, Zhongshan, 528400, People's Republic of China ~72: Dongchang Wen; Guannan Lu; Jiao Zhang; Kelin Zeng; Lijun Wang; Yongtao Zhou~ 33:CN ~31:202210910554X ~32:29/07/2022

2024/05880 ~ Complete ~54:STERILIZATION PROCESS OF STERILE LIQUID PHARMACEUTICAL COMPOSITION COMPRISING ENSIFENTRINE ~71:VERONA PHARMA PLC, One Central Square, United Kingdom ~72: FRENCH, Edward James; HAYWOOD, Phillip A.; SPARGO, Peter Lionel~ 33:GB ~31:2202297.4 ~32:21/02/2022

2024/05856 ~ Provisional ~54:ONE-TOT_TAP ~71:Francois de Jager, 44 Eider Street, South Africa ~72: Francois de Jager; JP de Jager~

2024/05853 ~ Provisional ~54:VALORISATION OF INDUSTRIAL KELP ~71:CELLBURST (PTY) LTD, 2 Link Road, Capricorn Business Park, South Africa ~72: GOOSEN, Neill Jurgens; MAMPANA, Richard Leseja; POTT, Robert William McClelland~

2024/05862 ~ Complete ~54:HIGH-TOUGHNESS ZIRCONIA CERAMIC SCORING KNIFE AND PREPARATION METHOD THEREOF ~71:Zhuning Zeng, No. 1, Lane 19, Tangmian Village, Shitan Village Committee, Juntang Town, Enping, Jiangmen, Guangdong, People's Republic of China ~72: Zhuning Zeng~ 33:CN ~31:2024103514829 ~32:26/03/2024

2024/05884 ~ Complete ~54:FRAGMENTATION FOR MEASURING METHYLATION AND DISEASE ~71:CENTRE FOR NOVOSTICS, 1/F, Building 18E, 18 Science Park East Avenue, Hong Kong Science Park, Shatin, New Territories Hong Kong, People's Republic of China ~72: GUANNAN KANG; KWAN CHEE CHAN; LU JI; PEIYONG JIANG; QING ZHOU; RONG QIAO; ROSSA WAI KWUN CHIU; YUK-MING DENNIS LO~ 33:US ~31:63/307,622 ~32:07/02/2022; 33:US ~31:63/328,710 ~32:07/04/2022; 33:US ~31:63/400,244 ~32:23/08/2022

2024/05885 ~ Complete ~54:PROCESS FOR THE RECOVERY OF LI, NI AND CO ~71:UMICORE, Rue du Marais 31, 1000, Brussels, Belgium ~72: MICHAEL BALTES; PIETER VERHEES~ 33:EP ~31:22157033.6 ~32:16/02/2022

2024/05855 ~ Provisional ~54:DATA ENCRYPTION METHOD ~71:COETZEE, Abraham Johannes, Plot 451, Botswana ~72: COETZEE, Abraham Johannes~

2024/05888 ~ Provisional ~54:FAATUUK ~71:IPELENG GIFT MOATSHE, 433 Buiten Drive Unit 2, South Africa ~72: IPELENG GIFT MOATSHE~

2024/05857 ~ Provisional ~54:WAKE THRUSTER ~71:Heather Cotterell, 101 Oxford road, South Africa ~72: Edward Cotterell~

2024/05854 ~ Provisional ~54:TARGET SHOOTING METHOD ~71:SCHOEMAN, Louis Jacobus, 225 Marais Street, South Africa ~72: SCHOEMAN, Louis Jacobus~

2024/05868 ~ Complete ~54:ANTIBODIES BINDING TO VISTA AT ACIDIC PH ~71:BRISTOL-MYERS SQUIBB COMPANY, Rte. 206 & Province Line Road, P.O. Box 4000, Princeton, New Jersey, 08543, United States of America; FIVE PRIME THERAPEUTICS, INC., 111 Oyster Point Blvd., South San Francisco, California, 94080, United States of America ~72: ALAN J KORMAN; ANDREW RANKIN; ANDY X DENG; ARVIND RAJPAL; GINGER RAKESTRAW; KEITH SADOON BAHJAT; LIN HUI SU; LUIS BORGES; PAUL O SHEPPARD; ROBERT J JOHNSTON~ 33:US ~31:62/471,196 ~32:14/03/2017; 33:US ~31:62/636,746 ~32:28/02/2018

2024/05886 ~ Complete ~54:HYDRAULIC IMPACT MECHANISM FOR USE IN EQUIPMENT FOR PROCESSING ROCK AND CONCRETE ~71:T-RIG LIMITED, Kells Business Park, 1 Riverbank,, Kells, County Meath, A82K P94, Ireland ~72: ALAIN CARBONNEL~ 33:EP ~31:22158567.2 ~32:24/02/2022

- APPLIED ON 2024/07/31 -

2024/05896 ~ Complete ~54:METHOD FOR CULTIVATING GASTRODIA ELATA USING PRUNED BRANCHES OF CAMELLIA SINENSIS OR MORUS ALBA ~71:Chongqing Academy of Chinese Materia Medica, No. 34, Nanshan Road, Huangjueya, Nan'an District, Chongqing City, 400000, People's Republic of China ~72: DENG, Xiaoshu;GUO, Lian'an;LI, Shoubao;LUO, Changshu;TAN, Fayin;WANG, Jia;WANG, Yongde;WU, Zhen;XU, Jinzhi~

2024/05915 ~ Complete ~54:APPARATUS FOR PRODUCING ELECTRICITY FROM A MOVING FLUID AND METHOD ~71:SINE DELTA AS, RYTTERSvingene 81D, 4046 HAFRSFJORD, NORWAY, Norway ~72: BARRATT, Steven~ 33:NO ~31:20220068 ~32:19/01/2022

2024/05919 ~ Complete ~54:TUMOR ANTIGENS, COMPOUNDS COMPRISING THE TUMOR ANTIGENS KRAS, TPX2 OR AURKA AND USES THEREOF ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: ADAM, Paul;BELNOUE, Elodie;DEROUAZI, Madiha;HOFMANN, Irmgard, Maria, Rita;LEONHARDT, Ralf;LUKOWSKI, Samuel;NOLDEN, Tobias;TRAPANI, Francesca~ 33:EP ~31:22162533.8 ~32:16/03/2022;33:EP ~31:22204783.9 ~32:31/10/2022

2024/05932 ~ Complete ~54:A FILTER FOR SEPARATING PARTICLES FROM A COOLING LIQUID IN A NUCLEAR POWER PLANT, A FILTER ARRANGEMENT AND A FUEL ASSEMBLY ~71:Westinghouse Electric Sweden AB, VÄSTERÅS 721 63, SWEDEN, Sweden ~72: WALDEMARSSON, Fredrik~ 33:EP ~31:22159949.1 ~32:03/03/2022

2024/05933 ~ Complete ~54:METHOD OF PRODUCING LIQUID HYDROCARBONS FROM A SYNGAS ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: BAKER, Rob Miles;COE, Andrew James~ 33:GB ~31:2204765.8 ~32:01/04/2022

2024/05902 ~ Complete ~54:LOW-SWELLING DECELLULARIZED CORNEA, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:EYE INSTITUTE OF SHANDONG FIRST MEDICAL UNIVERSITY, No.5 Yanerdao Road, Qingdao, People's Republic of China ~72: SHI, Weiyun;SHI, Zhen;WANG, Ting;ZHAO, Long;ZHOU, Qingjun~ 33:CN ~31:202311090123.4 ~32:28/08/2023

2024/05903 ~ Complete ~54:ORGANIC MOLECULAR CAGE, ORGANIC MOLECULAR CAGE NANO-ENZYME EYE DROPS AND PREPARATION METHOD THEREOF ~71:EYE INSTITUTE OF SHANDONG FIRST MEDICAL UNIVERSITY, No.5 Yanerdao Road, Qingdao, People's Republic of China ~72: QI, Xia;SHI, Weiyun;SONG, Fangying;WANG, Hongwei;ZHOU, Qingjun~ 33:CN ~31:202311607922.4 ~32:29/11/2023

2024/05907 ~ Complete ~54:PICTURE ENCODING AND DECODING METHOD AND APPARATUS FOR VIDEO SEQUENCE ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Xu;ZHENG, Jianhua~ 33:CN ~31:201811458677.4 ~32:30/11/2018

2024/05889 ~ Provisional ~54:WAKE MAKER ~71:Heather Cotterell, 101 Oxford road, South Africa ~72: Edward Cotterell~

- 2024/05893 ~ Complete ~54:ANTI-PD-1 ANTIBODIES FOR TREATMENT OF LUNG CANCER
~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: LOWY, Israel;RIETSCHEL, Petra~ 33:US ~31:62/461,672 ~32:21/02/2017;33:US
~31:62/595,190 ~32:06/12/2017
- 2024/05906 ~ Complete ~54:SHACKLE AND METHOD ASSEMBLY ~71:SOUTHERN ROPES PROPRIETARY LIMITED, 4 BEACH ROAD, WOODSTOCK, South Africa ~72: MARCUS TWINE~ 33:ZA ~31:2024/03422
~32:03/05/2024
- 2024/05917 ~ Complete ~54:METHOD AND APPARATUS FOR P-CSCF RESTORATION
~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: DE GREGORIO RODRIGUEZ, Jesus Angel;GARCIA AZORERO, Fuencisla;HE, Yingjiao;LI, Beibei;LI, Bin;ZHAN, Deqin;ZHU, Jinyin~ 33:CN ~31:PCT/CN2022/070766 ~32:07/01/2022
- 2024/05923 ~ Complete ~54:PRODUCTION OF HIGH TITER RECOMBINANT VESICULAR STOMATITIS VIRUS IN SUSPENSION CELL CULTURE ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: TUSTIAN, Andrew;ZHANG, Zhe~ 33:US ~31:63/309,109
~32:11/02/2022
- 2024/05891 ~ Provisional ~54:ELECTRONIC FIGHTING STICK ~71:Xolani Mthalane, Nyamvubu Location, South Africa ~72: Xolani Mthalane~
- 2024/05899 ~ Complete ~54:CATHODE STRIPPING EQUIPMENT FOR STRIPPING COPPER LAYER
~71:China Ruilin Engineering Technology Co., Ltd., No.888 Qianhu Avenue, Hongjiaozhou, Nanchang City, Jiangxi Province, 330036, People's Republic of China;Jiangxi ruilin equipment co., ltd., No.1688, Chauncey Avenue, Nanchang Economic and Technological Development Zone, Nanchang City, Jiangxi Province, 330032, People's Republic of China ~72: DENG Aimin;LI Kun;OUYANG Tao;SHEN Louyan~
- 2024/05909 ~ Complete ~54:EXOSOME FROM BEER FERMENTATION LIQUOR, PREPARATION METHOD AND APPLICATION THEREOF ~71:EYE INSTITUTE OF SHANDONG FIRST MEDICAL UNIVERSITY, No.5 Yanerdao Road, Qingdao, People's Republic of China ~72: HU, Xiangyue;LI, Zongyi;SHI, Weiyun;WEI, Chao;ZHOU, Qingjun~ 33:CN ~31:202311776656.8 ~32:21/12/2023
- 2024/05931 ~ Complete ~54:MUC16 CHIMERIC ANTIGEN RECEPTORS ~71:Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, TARRYTOWN 10591, NY, USA, United States of America ~72: ALBERSHARDT, Tina;DILILLO, David;PARSONS, Geoffrey Blackburn~ 33:US ~31:63/298,141 ~32:10/01/2022
- 2024/05901 ~ Complete ~54:LEACHING METHOD AND SYSTEM FOR HETEROGENITE ~71:China Ruilin Engineering Technology Co., Ltd., No.888 Qianhu Avenue, Hongjiaozhou, Nanchang City, Jiangxi Province, 330036, People's Republic of China ~72: GAO Zhiyong;HU Shenchen;LI Wenhua;SHEN Louyan;SUN Wei~
- 2024/05918 ~ Complete ~54:RELAXATION OF MEASUREMENTS FOR FAILURE DETECTION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DALSGAARD, Lars;DU, Lei~
- 2024/05922 ~ Complete ~54:ANTIBODY-CONJUGATES FOR TARGETING OF TUMOURS EXPRESSING CARCINOEMBRYONIC ANTIGEN ~71:SYNAFFIX B.V., Kloosterstraat 9, Netherlands ~72: LELIEVELDT, Lianne;VAN BERKEL, Sander Sebastiaan;VAN DELFT, Floris Louis;VAN GEEL, Remon~ 33:EP
~31:22163928.9 ~32:23/03/2022
- 2024/05929 ~ Complete ~54:PYRAZOLOPYRIMIDINES, COMPOSITIONS COMPRISING THEM AND USES THEREOF ~71:Novo Nordisk A/S, Novo Alle 1, BAGSVÆRD DK-2880, DENMARK, Denmark ~72: GALLAGHER-

DUVAL, Shawn;GREEN, Jeremy;LEMIRE, Alexandre;WANG, Hong;ZHOU, Yuchen~ 33:US ~31:63/268,021
~32:15/02/2022

2024/05934 ~ Complete ~54:COLD ATMOSPHERIC PLASMA GENERATOR AND RESPIRATORY EQUIPMENT FOR THE STIMULATION OF CELLULAR REGENERATION FOR LIVING BEINGS ~71:BIOENGINEERING FOR THE WORLD CORP S.L., CALLE MONACO, 25. 28232, LAS ROZAS DE MADRID, Spain ~72: CORTÁZAR PÉREZ, Osvaldo Daniel;LLANA GARCÍA, Pedro Luís;LOREDO FERNÁNDEZ Alejandro;MEGÍA MACÍAS, Ana María~ 33:WO ~31:PCT/ES2022/070055 ~32:08/02/2022

2024/05895 ~ Complete ~54:DETONATOR ASSEMBLY ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: LABUSCHAGNE Barry;MOROPA Thabiso~ 33:ZA ~31:2023/09470 ~32:11/10/2023

2024/05911 ~ Complete ~54:A DEVICE TO ASSIST A USER TO INGEST MEDICATION ~71:Brian Lesley LEVY, 44 Leigh Avenue, Glenhazel, South Africa ~72: LEVY, Brian Lesley;LEVY, Mast Meir Mordechai;NERWICH, Craig~

2024/05924 ~ Complete ~54:RAILWAY LINE FASTENER AND METHOD OF INSTALLING A RAILWAY SLEEPER ~71:COLOSSAL CONCRETE PRODUCTS (PTY) LTD, 77 LEMMER ROAD, CORNER MOLECULE & URANIUM ROAD, VULCANIA, BRAKPAN, SOUTH AFRICA, 1541, South Africa ~72: BURGER, Kobus~ 33:ZA ~31:2022/01513 ~32:03/02/2022

2024/05930 ~ Complete ~54:THERAPEUTIC ANTIBODIES ~71:PetMedix Ltd, The Glenn Berge Building, Building 940, Babraham Research Campus, Babraham, CAMBRIDGE CB22 3FH , CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BANDIERA, Roberto~ 33:GB ~31:2201674.5 ~32:09/02/2022;33:GB ~31:2209454.4 ~32:28/06/2022

2024/05890 ~ Provisional ~54:A MODULAR CONSTRUCTION UNIT ~71:Goffredo Mugnaioni, 118 Casper Road, Fairland, South Africa ~72: Goffredo Mugnaioni~

2024/05892 ~ Complete ~54:ANTI-VEGF PROTEIN COMPOSITIONS AND METHODS FOR PRODUCING THE SAME ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: DALY, Thomas;FRANKLIN, Matthew;LI, Ning;PALACKAL, Nisha;PYLES, Erica;TUSTIAN, Andrew;VARTAK, Ankit;WANG, Shunhai~ 33:US ~31:62/944,635 ~32:06/12/2019;33:US ~31:63/065,012 ~32:13/08/2020

2024/05897 ~ Complete ~54:METHOD FOR CONTINUOUSLY PREPARING HIGH-PURITY COPPER SULFATE CRYSTAL BY ION-EXCHANGE MEMBRANE ELECTROLYSIS ~71:Kunming University of Science and Technology, No.727 Jingming South Road, Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China ~72: TANG Jian;YANG Bin;YAO Yaochun~

2024/05921 ~ Complete ~54:ANTIBODY-CONJUGATES FOR TARGETING OF TUMOURS EXPRESSING PTK7 ~71:SYNAFFIX B.V., Kloosterstraat 9, Netherlands ~72: LELIEVELDT, Lianne;VAN BERKEL, Sander Sebastiaan;VAN DELFT, Floris Louis;VAN GEEL, Remon~ 33:EP ~31:22163924.8 ~32:23/03/2022

2024/05925 ~ Complete ~54:METHODS FOR THE USE OF A B7-H3 ANTIBODY-DRUG CONJUGATE IN COMBINATION WITH A PD-1 X CTLA-4 BISPECIFIC MOLECULE ~71:MACROGENICS, INC., 9704 Medical Center Drive, United States of America ~72: Angela Joubert JAMES;Bradley James SUMROW;Deryk LOO;Gerry Chester BOHAC;Juniper A. SCRIBNER;Scott KOENIG~ 33:US ~31:63/308,903 ~32:10/02/2022;33:US ~31:63/331,370 ~32:15/04/2022

2024/05900 ~ Complete ~54: PURIFICATION METHOD OF CRUDE COBALT HYDROXIDE ~71: China Ruilin Engineering Technology Co., Ltd., No.888 Qianhu Avenue, Hongjiaozhou, Nanchang City, Jiangxi Province, 330036, People's Republic of China ~72: FU Xiaodan; SHEN Louyan; ZHANG Haibao~

2024/05904 ~ Complete ~54: PREPARATION METHOD AND APPLICATION OF BIONIC BIOLOGICAL MATERIAL ~71: EYE INSTITUTE OF SHANDONG FIRST MEDICAL UNIVERSITY, No.5 Yanerdao Road, Qingdao, People's Republic of China ~72: SHI, Weiyun; SHI, Zhen; WANG, Ting; ZHAO, Long; ZHOU, Qingjun~ 33:CN ~31:202311089981.7 ~32:28/08/2023

2024/05894 ~ Complete ~54: A MACHINE VISION-BASED GUAVA GRADING SYSTEM AND CLASSIFICATION METHOD ~71: CHUZHOU UNIVERSITY, No.1, Huifeng West Road, Huifeng Campus of Chuzhou University, People's Republic of China ~72: HUANG, Junwei; XIA, Chenyang; ZHANG, Yiping~

2024/05898 ~ Complete ~54: COMBINED PROCESS OF BENEFICIATION AND METALLURGY FOR EFFICIENT UTILIZATION OF COPPER-BASED POLYMETALLIC ORES ~71: China Ruilin Engineering Technology Co., Ltd., No.888 Qianhu Avenue, Hongjiaozhou, Nanchang City, Jiangxi Province, 330036, People's Republic of China ~72: SHEN Louyan; ZHAO Hongbo~

2024/05908 ~ Complete ~54: COMPOSITION COMPRISING AN ALKALI METAL CARBONATE, CALCIUM HYDROXIDE, SODIUM OR POTASSIUM METASILICATE AND SOME FATTY SUBSTANCES ~71: L'ORÉAL, 14, rue Royale, PARIS 75008, FRANCE, France ~72: AKAKIOS, Stephanie~

2024/05912 ~ Complete ~54: PREPARATION METHOD AND APPLICATION OF HUMAN-DERIVED BIOLOGICAL CORNEAL STROMA ~71: EYE INSTITUTE OF SHANDONG FIRST MEDICAL UNIVERSITY, No.5 Yanerdao Road, Qingdao, People's Republic of China ~72: SHI, Weiyun; SHI, Zhen; WANG, Fuyan; WANG, Ting; ZHAO, Long; ZHOU, Qingjun~ 33:CN ~31:202311090088.6 ~32:28/08/2023

2024/05928 ~ Complete ~54: CONNECTION ELEMENT FOR CONNECTING A FIRST TUBE TO A SECOND TUBE OF A CROSS MEMBER, CROSS MEMBER FOR A VEHICLE, AND METHOD FOR CONNECTING TWO TUBES OF A CROSS MEMBER ~71: Linde + Wiemann SE & Co. KG, Industriestraße 4 - 12, DILLENBURG 35683, GERMANY, Germany ~72: FUSS, Dennis; NEUL, Daniela; ZEISER-RASUMAK, Alex~ 33:DE ~31:10 2022 105 629.5 ~32:10/03/2022

2024/05905 ~ 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~

2024/05910 ~ Complete ~54: APPLICATION OF REGULATORY T CELL EXOSOME IN PREPARATION OF MEDICINE FOR PROMOTING CORNEAL INJURY REPAIR ~71: EYE INSTITUTE OF SHANDONG FIRST MEDICAL UNIVERSITY, No.5 Yanerdao Road, Qingdao, People's Republic of China ~72: MA, Li; SHI, Weiyun; WEI, Chao; YU, Yaoyao~ 33:CN ~31:202311398436.6 ~32:26/10/2023

2024/05913 ~ Complete ~54: METHOD AND APPARATUS TO PREVENT DENIAL OF CALL TRANSFER ~71: NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: LEIS, Peter; WON, Sung Hwan~ 33:EP ~31:22150532.4 ~32:07/01/2022

2024/05916 ~ Complete ~54: FOWL ADENOVIRUS SUBUNIT VACCINE AND PRODUCTION METHOD THEREOF ~71: VETERINÄRMEDIZINISCHE UNIVERSITÄT WIEN, VETERINÄRPLATZ 1, A-1210 VIENNA, AUSTRIA, Austria ~72: HESS, Michael; SCHACHNER, Anna~ 33:EP ~31:22150211.5 ~32:04/01/2022

2024/05927 ~ Complete ~54:TEXTILE FIBER EXTRACTED FROM STEM OF CAYRATIA TRIFOLIA L. PLANT
~71:DR. RAMRATAN, SARDAR PURA BASS WARD NO. 24, NEAR MASJID NOHAR, HANUMANGARH,
RAJASTHAN, 335523, India ~72: DR. RAMRATAN~ 33:IN ~31:202211005625 ~32:02/02/2022

2024/05914 ~ Complete ~54:NOVEL ISOINDOLINONE DERIVATIVE COMPOUNDS AS CASPASE INHIBITORS
~71:INNOVO THERAPEUTICS INC., 507HO, 38, MAPO-DAERO, MAPO-GU, SEOUL 04174, REP OF KOREA,
Republic of Korea ~72: CHOI, Sei Hyun;JUNG, Sun Ho;KIM, Hak Joong;LEE, Yu Rim;PAGIRE, Haushabhau
Shivaji~ 33:KR ~31:10-2022-0000659 ~32:04/01/2022

2024/05920 ~ Complete ~54:IMAGE FORMING DEVICE AND CARTRIDGE ~71:CANON KABUSHIKI KAISHA,
30-2, Shimomaruko 3-chome, Ohta-ku, Japan ~72: ABE Daisuke;EGAMI Yasuyuki;FUJINO Toshiki;FUKUI
Yuichi;GOTO Toshiya;HIRAYAMA Akinobu;ISHII Soichi;KASHIIDE Yosuke;KAWAI Tachio;KAWANAMI
Takeo;NISHIDA Shinichi;SASAKI Teruhiko;TOBA Shinjiro~ 33:JP ~31:2022-041940 ~32:16/03/2022

2024/05926 ~ Complete ~54:UNIFIED RETRIEVAL METHOD FOR VEHICLE PROFESSIONAL EQUIPMENT
FAULTS BASED ON KNOWLEDGE GRAPH ~71:Guangzhou Metro Group Co., Ltd., Block A, Wansheng Plaza,
No.1238 Xingang Dong Road, Haizhu District, Guangzhou, Guangdong, 510330, People's Republic of
China;Guangzhou Swifton Digital Technology Co., Ltd., Room 1100, Room 406, No.1 Yichuang Street, Huangpu
District, Guangzhou, Guangdong, 510555, People's Republic of China ~72: CAI, Changjun;CHEN, Xijuan;HE,
Zhixin;HOU, Feng;JIANG, Linming;LI, Changqiang;LI, Zhaoxin;LU, Qiao;LUO, Weiting;PENG, Yougen;WANG,
Liang;YE, Hongxia;ZHANG, Jie;ZHU, Wei~ 33:CN ~31:202410628584.0 ~32:21/05/2024

- APPLIED ON 2024/08/01 -

2024/05941 ~ Complete ~54:A PREPARATION METHOD OF RED FLUORESCENT POWDER FOR WHITE LED
~71:NANTONG UNIVERSITY, No.9, Siyuan Road, Chongchuan District, Nantong City, Jiangsu Province, 226019,
People's Republic of China ~72: LU, Qian;MIAO, Jianwen~ 33:CN ~31:2024104960297 ~32:23/04/2024

2024/05944 ~ Complete ~54:A METHOD FOR EXTRACTING IMAGE ELEMENTS BASED ON PHASE-CHANGE
NEURAL NETWORKS ~71:Southwest university, Tiansheng Road 2, Beibei District, Chongqing, People's
Republic of China ~72: Chou Junyi;Dong Tao;Hu Wenjie~ 33:CN ~31:2024108267974 ~32:25/06/2024

2024/05951 ~ Complete ~54:A DEEP LEARNING MODELLING SYSTEM FOR LONG RANGE MONSOON
FORECAST AND METHOD THEREOF ~71:Anuradha Deewan, PhD Scholar, Research Centre, Bhilai Institute
of Technology, Bhilai House, Durg, 491001, Chhatisgarh (Bharat), India;Dr Rajiv Pathak, Associate Professor,
Department of IT, Bhilai Institute Technology Durg, Bhilai House, Durg, 491001, Chhatisgarh (Bharat), India;Dr
Sanjeev Karmakar, Professor, Department of Computer Applications, Bhilai Institute Technology Durg, Bhilai
House, Durg, 491001, Chhatisgarh (Bharat), India;Dr Vikas Pandey, Associate Professor, Department of IT, Bhilai
Institute Technology Durg, Bhilai House, Durg, 491001, Chhatisgarh (Bharat), India;Dr. Shreerup Gowasmi,
Professor, Department of Geology, Utkal University, Vani Vihar, Bhuvaneshwar, 751004, Odissa (Bharat),
India;Nisha Thakur, PhD Scholar, Research Centre, Bhilai Institute of Technology, Bhilai House, Durg, 491001,
Chhatisgarh (Bharat), India;Shri Naveen Vaishnav, PhD Scholar, Research Centre, Bhilai Institute of Technology,
Bhilai House, Durg, 491001, Chhatisgarh (Bharat), India;Sneha Thakur, PhD Scholar, Research Centre, Bhilai
Institute of Technology, Bhilai House, Durg, 491001, Chhatisgarh (Bharat), India;Vertik Shrivastav, PhD Scholar,
Research Centre, Bhilai Institute of Technology, Bhilai House, Durg, 491001, Chhatisgarh (Bharat), India ~72:
Anuradha Deewan;Dr Rajiv Pathak;Dr Sanjeev Karmakar;Dr Vikas Pandey;Dr. Shreerup Gowasmi;Nisha
Thakur;Shri Naveen Vaishnav;Sneha Thakur;Vertik Shrivastav~

2024/06025 ~ Provisional ~54:ECO-FRIENDLY APPROACH TO MANAGING A BUILDING'S ENTIRE LIFESPAN
~71:Ruchit Parekg, 2158 Chestnut St, United States of America ~72: Ruchit Parekh~ 33:US ~31:9
~32:31/07/2024

2024/05936 ~ Provisional ~54:APPARATUS FOR USE WITH A BARRIER ~71:COCHRANE USA INC, 3551 Lee Hill Dr, Fredericksburg, United States of America ~72: BUCARIZZA, Vlado~

2024/05942 ~ Complete ~54:METHOD FOR TESTING PEARL LUSTER ~71:Zhejiang University of Science And Technology, 318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang Province, 310023, People's Republic of China ~72: CAI, Chenggang;FENG, Keyu;FENG, Xi;RAO, Zhongwei;SHI, Yang;YU, Aihua~

2024/05953 ~ Complete ~54:NOVEL TOMATO PLANTS WITH TOBRFV RESISTANCE ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: ALBERT, Elise;CHASSAIGNE, Arnaud;LABOUREY, Celine~ 33:EP ~31:22157283.7 ~32:17/02/2022

2024/05956 ~ Complete ~54:PRIORITY BASED FREQUENCY ALLOCATION IN A COLLISION DETECTION SYSTEM ~71:Newtrax Technologies Inc., 360 St-Jacques Street, 8th Floor, MONTRÉAL H2Y 1P5, QUÉBEC, CANADA, Canada ~72: BOUCHARD, Martin;CORREA, Fabricio;EMEKA, Ngoma~ 33:US ~31:63/305,773 ~32:02/02/2022

2024/05940 ~ Complete ~54:STRUCTURAL COMPONENT ~71:ADAMS. Mark Harold, 38 Derrick Road, Spartan, South Africa ~72: ADAMS, Mark Harold;BEZUIDENHOUT, Eugene Lourens;NEL, Zack Warren~ 33:ZA ~31:2023/07622 ~32:02/08/2023

2024/05954 ~ Complete ~54:METHODS OF TREATING OCULAR NEOVASCULAR DISEASES USING AAV2 VARIANTS ENCODING AFLIBERCEPT ~71:Adverum Biotechnologies, Inc., 100 Cardinal Way, REDWOOD CITY 94063, CA, USA, United States of America ~72: BECKMAN, Richard;GRISHANIN, Ruslan;HANNA, Kelly;RILEY, Brigit;SCHAEFER-SWALE, Kellie;TURPCU, Adam~ 33:US ~31:63/305,838 ~32:02/02/2022;33:US ~31:63/336,191 ~32:28/04/2022;33:US ~31:63/336,789 ~32:29/04/2022;33:US ~31:63/339,795 ~32:09/05/2022;33:US ~31:63/435,103 ~32:23/12/2022

2024/05957 ~ Complete ~54:REACTOR ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: HEATON, Chris;LORD, Adrian~ 33:GB ~31:2202363.4 ~32:22/02/2022

2024/05938 ~ Provisional ~54:SYSTEM AND APPARATUS FOR THE MEASUREMENT OF PARTICLE SIZE DISTRIBUTION ~71:MINTEK, 200 Malibongwe Drive, South Africa;UNIVERSITY OF CAPE TOWN, Lovers Walk, Rondebosch, South Africa ~72: Boje, Edward;Chautsane, Thabiso;Coetzee, Loutjie;Mudzanani, Khuthadzo;Padi, Terence~

2024/05943 ~ Complete ~54:A PREFABRICATED COAL MINE SEALING WALL ~71:Xichuan Coal Mine Branch, Huaneng Tongchuan Zhaojin Coal Power Co., Ltd., Yumen County, Miaowan Town, Yaozhou District, Tongchuan City, Shaanxi Province, 727100, People's Republic of China ~72: Bo Liu;Chao Zhang;Jiangbo Di;Tao Hu;Wei Yi;Xuyu Huang;Yuhui Miao~ 33:CN ~31:202410956902.6 ~32:16/07/2024

2024/05945 ~ Complete ~54:DRIVING SYSTEM, DRIVING POSITION DETECTION DEVICE AND DETECTION METHOD THEREOF ~71:China Ruilin Engineering Technology Co., Ltd., No.888 Qianhu Avenue, Hongjiaozhou, Nanchang City, Jiangxi Province, 330036, People's Republic of China;Jiangxi ruilin equipment co.,Ltd., No.1688, Chauncey Avenue, Nanchang Economic and Technological Development Zone, Nanchang, Jiangxi, 330032, People's Republic of China ~72: HUANG Jianfei;OUYANG Tao;SHEN Louyan~

2024/05946 ~ Complete ~54:GYM-BASED ELECTRICAL GENERATION SYSTEM WITH ADAPTIVE RESISTANCE AND ENERGY OPTIMIZATION FEATURES ~71:Dr. Kishan Pal Singh, Department of Mechanical Engineering, Mangalayatan University, Aligarh, 202146, India;MANGALAYATAN UNIVERSITY, ALIGARH, 33 Mile Stone Aligarh -Mathura Highway Beshwan, Aligarh, Uttar Pradesh, 202146, India ~72: Dr. Kishan Pal Singh~

2024/05935 ~ Provisional ~54:STRUCTURAL PRODUCT ~71:KIRK, William James, 34 Laboria Road, Isandovale, South Africa ~72: KIRK, William James;SEUTE, Horst~

2024/05949 ~ 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

2024/05947 ~ Complete ~54:ENTERPRISE TALENT INTELLIGENT RECOMMENDATION MACHINE LEARNING CLASSIFICATION MODEL AND METHOD ~71:Huainan Normal University, Dongshan West Road, Huainan City, Anhui Province, 232038, People's Republic of China ~72: Shi Yong~

2024/05948 ~ Complete ~54:A COAL MINE GROUNDWATER SAMPLING DEVICE AND THE METHOD THEREOF ~71:Xichuan Coal Mine Branch, Huaneng Tongchuan Zhaojin Coal Power Co., Ltd., Yumen County, Miaowan Town, Yaozhou District, Tongchuan City, Shaanxi Province, 727100, People's Republic of China ~72: Bo Liu;Jiangbo Di;Jie Wang;Tao Hu;Wei Yi;Yuhui Miao;Zhongyan Jiang~ 33:CN ~31:202410939407.4 ~32:12/07/2024

2024/05952 ~ Complete ~54:APPARATUS AND METHOD TO TRANSFORM AN AUDIO STREAM ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: BAYER, Stefan;DÖHLA, Stefan;FUCHS, Guillaume;MULTRUS, Markus;SAGNOWSKI, Kacper;TAMARAPU, Archit;WECKBECKER, Dominik~ 33:EP ~31:PCT/EP2022/052642 ~32:03/02/2022

2024/05939 ~ Provisional ~54:FLOAT SWITCH-CONTROLLED VALVE ~71:KHAN, Sameer, 118 Middlemiss Crescent, South Africa ~72: KHAN, Sameer~

2024/05950 ~ Complete ~54:A SYSTEM FOR SAFE DESIGN OF A LONG SPAN CABLE STAYED CANTILEVER BRIDGE AND A METHOD FOR CONSTRUCTING THE SAME ~71:Techno India University, West Bengal, EM-4,Sector V, Salt lake City,Kolkata, 700091,West Bengal, India ~72: Dipayan Ghosh;Dr. Subashis Biswas~

2024/05955 ~ Complete ~54:MATERIAL HANDLING IMPLEMENT WITH DISPLACEABLE WEAR COMPONENT ABUTMENT ~71:Black Cat Wear Parts Ltd., 5604 59th Street, EDMONTON T6B 3C3, AB, CANADA, Canada ~72: RUVANG, John A.~ 33:US ~31:17/693,708 ~32:14/03/2022

2024/05937 ~ Provisional ~54:THE SHOP IN A MOVING BOX ~71:Mandisa Mandy Shabangu, 66 Kabokweni, South Africa ~72: Mandisa Shabangu~ 33:ZA ~31:01 ~32:27/08/2022

- APPLIED ON 2024/08/02 -

2024/05961 ~ Provisional ~54:ENERGY CONVERSION SYSTEM ~71:LEXICON INDUSTRIES (PTY) LTD, c/o Viola and Company, F6 1st Floor, Pro Equity Court, South Africa ~72: KUSSEL, John Arthur~

2024/05975 ~ Complete ~54:OPERATING MECHANISM FOR A CIRCUIT BREAKER ~71:Eaton Intelligent Power Limited, Eaton House, 30 Pembroke Road, DUBLIN 4, IRELAND, Ireland ~72: BAROT, Sunil;KOTWAL, Sandip~ 33:IN ~31:202311052366 ~32:03/08/2023;33:GB ~31:2315886.8 ~32:17/10/2023

2024/05978 ~ Complete ~54:PRODUCE BIN ASSEMBLY ~71:VINCO STEEL (PTY) LTD, Unit 22 Oosterland Park 2, Oosterland Street, South Africa ~72: LOUBSER, Nicolaas Willem~

2024/05991 ~ Complete ~54:REGIONAL TAU IMAGING FOR DIAGNOSING AND TREATING ALZHEIMER'S DISEASE ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: KOTARI, Vikas;SHCHERBININ, Sergey;SOUTHEKAL, Sudeepti Suresh;TUNALI, Ilke~ 33:US ~31:63/306,168 ~32:03/02/2022;33:US ~31:63/369,795 ~32:29/07/2022;33:US ~31:63/382,914 ~32:09/11/2022

2024/05988 ~ Complete ~54:ORAL SOLID PREPARATION ~71:KISSEI PHARMACEUTICAL CO., LTD., 19-48, Yoshino, Matsumoto-shi, Nagano, 3998710, Japan ~72: KAZUKI MIMURA;YUSUKE IMAMURA~ 33:JP ~31:2022-016505 ~32:04/02/2022

2024/05970 ~ Complete ~54:METHOD FOR AUTOMATIC CONTROL OF UAV IMAGE ACQUISITION ~71:Zhengzhou University of Aeronautics, No. 15 Wenyuan West Road, Zhengdong New District, Zhengzhou City, Henan Province, 450046, People's Republic of China ~72: CHEN, Yu;LIANG, Kun;LIU, Zhaoyu;MA, Zhengxiang;QIN, Yuqin;WEN, Xinling;ZHANG, Qiaoping;ZHANG, Wenli;ZHANG, Yiqun~ 33:CN ~31:202311489953.4 ~32:09/11/2023

2024/05972 ~ Complete ~54:METHOD AND SYSTEM FOR HEATING CABINS OF WORK MACHINES ~71:CATERPILLAR UNDERGROUND MINING PTY LTD, 2-8 Hopkinson Street, Australia ~72: BELLINGER, Hayley;RAMASAMY, Sivakumar;SAWARD, Sean Robert;VIJAYAN, Neeraj~ 33:AU ~31:2023222914 ~32:31/08/2023

2024/05966 ~ Complete ~54:AUXILIARY TEST MODEL FRAMEWORK FOR RADAR DETECTION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: FENG, Yanan;MA, Yabing;NIU, Kaikai;WANG, Xibin;YANG, Mingfei~

2024/05976 ~ Complete ~54:SYSTEMS AND METHODS OF BIOMECHANICAL EVALUATION OF ATHLETIC PERFORMANCE ~71:AmTote International Inc., 11200 Pepper Road, HUNT VALLEY 21031, MD, USA, United States of America ~72: BIEMER, Garrett;WILLIAMS, Paul~ 33:US ~31:63/517541 ~32:03/08/2023;33:US ~31:18/777/671 ~32:19/07/2024

2024/05986 ~ Complete ~54:NLRP3 INFLAMMASOME INHIBITOR AND USES THEREOF ~71:TRANSTHERA SCIENCES (NANJING), INC., Flr 3, Bld 9, Accelerator Phase 2, Biotech And Pharmaceutical Valley, Jiangbei New Area, Nanjing, Jiangsu, 210032, People's Republic of China ~72: FRANK WU;LIN LI~ 33:CN ~31:202210015181.X ~32:07/01/2022;33:CN ~31:202210015699.3 ~32:07/01/2022;33:CN ~31:202210563248.3 ~32:20/05/2022;33:CN ~31:202210895164.X ~32:26/07/2022;33:CN ~31:202211093807.5 ~32:08/09/2022

2024/05965 ~ Complete ~54:METHOD FOR EFFECTIVELY IDENTIFYING WATER-PRESERVED COAL MINING AREA IN WEATHERED BEDROCK AQUIFER ~71:Liupanshui Normal University, No. 288, Minghu Road, Zhongshan District, Liupanshui City, Guizhou Province, 553004, People's Republic of China ~72: FAN, Limin;GAO, Ying;JI, Ruijun;JIANG, Zequan;LI, Tao;MA, Liqiang;SUN, Kui;WU, Qiang~

2024/05971 ~ Complete ~54:A CABLE HANDLING AND STEEL ROPE UNCOILING APPARATUS AND A METHOD OF HANDLING A CABLE OR STEEL ROPE ~71:JACOBS, Pieter Daniel, 29 Essenhot Avenue, Protea Park, RUSTENBURG 0305, North West Province, SOUTH AFRICA, South Africa ~72: JACOBS, Pieter Daniel~ 33:ZA ~31:2023/09573 ~32:13/10/2023

2024/05984 ~ Complete ~54:CARDIOPULMONARY RESUSCITATION DEVICE FOR PERFORMING COMPRESSIONS ON THE CHEST ~71:SUNLIFE SCIENCE (SUZHOU) INC., Room 213, B2 Building, 218 Xinghu Street, Suzhou Industrial Park, Suzhou, Jiangsu, 215000, People's Republic of China ~72: CHEN, BEILI;CHEN, YOUGEN;CHEN, ZHAOXIA;KONG, WEIFANG;LI, NING;LIU, LIQIANG;ZHANG, JUNHUI;ZHANG,

ZIJIAN;ZHOU, CHUNHUA~ 33:CN ~31:2023110207572 ~32:14/08/2023;33:CN ~31:202322181223X
~32:14/08/2023

2024/05992 ~ Complete ~54:N3-SUBSTITUTED URACIL COMPOUNDS AS TRPA1 INHIBITORS ~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 ~31:63/306,298 ~32:03/02/2022

2024/05958 ~ Provisional ~54:BITCOIN SHA BINARY ~71:Adriana Venter, 557 henry, South Africa ~72: Adriana Venter~ 33:ZA ~31:1 ~32:30/01/2019

2024/05963 ~ Complete ~54:DOCUMENT VALIDATION METHOD ~71:Hubei Institute of Standardization and Quality (Hubei WTO/TBT Notification Consulting Center), No. 6, Gongping Road, Wuchang District, Wuhan City, Hubei Province, 430061, People's Republic of China ~72: CHEN, Lei;CHEN, Yanming;HAN, Yangyu;LU, Xi;SHAO, Xuan;SHI, Ying;SHU, Cheng;XU, Shukun~

2024/05982 ~ Complete ~54:A DUAL INTERFACE SMART CARD WITH METAL FACE LAYER AND MANUFACTURING METHOD THEREOF ~71:MCT CARDS & TECHNOLOGY PRIVATE LIMITED, Plot No 22A, Shivalli Industrial Area, Manipal, Karnataka, 576104, India ~72: BHAT, Nagabhushan S;DEVADIGA, Shrikanth N;GUPTE, Abhay;RAO, Sudhish S;RAO, Sushir;SHET, Nishanth N~ 33:IN ~31:202241000462 ~32:04/01/2022

2024/05989 ~ Complete ~54:WIRELESS POWER TRANSFER ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: AGAFONOV, Aleksei;STARING, Antonius Adriaan Maria~ 33:EP ~31:22150125.7 ~32:04/01/2022

2024/05959 ~ Provisional ~54:ELECTRONIC COMMERCE PAYMENTS ~71:RAFFERTY, Milroy Malcolm, 27 Scallan Street, South Africa ~72: RAFFERTY, Milroy Malcolm~

2024/05969 ~ Complete ~54:METHOD FOR DETERMINING MAGNETIC FIELD PARAMETER THRESHOLD OF NEGATIVE-PRESSURE ARC WELDING ~71:Shanghai University of Engineering Science, No.333 Longteng Road, Songjiang District, Shanghai, 201620, People's Republic of China ~72: CHENG Riping;LUO Jian;WANG Ying;ZHENG Kanghui~ 33:CN ~31:2024102383134 ~32:03/03/2024

2024/05985 ~ Complete ~54:ACCELERATED AGING OF ALCOHOLIC BEVERAGES ~71:ALDENDERFER, Matthew, T., 110 Manor Court, South Carolina, United States of America ~72: ALDENDERFER, Matthew, T.~ 33:US ~31:17/647,110 ~32:05/01/2022

2024/05960 ~ Provisional ~54:A TRANSFORMABLE WORKSPACE ~71:UNIVERSITY OF SOUTH AFRICA, PRELLERSTREET, MUCKLENEUK, PRETORIA 0002, South Africa ~72: POELINCA, Desire~

2024/05968 ~ Complete ~54:FLOTATION METHOD OF COPPER-COBALT MIXED ORE WITH HIGH RECOVERY RATE ~71:China Ruilin Engineering Technology Co., Ltd., No.888 Qianhu Avenue, Hongjiaozhou, Nanchang City, Jiangxi Province, 330036, People's Republic of China ~72: SHEN Louyan;TANG Guobiao;YANG Bin;ZHANG Fan;ZHAO Hongbo~

2024/05983 ~ Complete ~54:HIGH-SALINITY MINE WATER TREATMENT DEVICE ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No.1, Daxue Road, Tongshan, Xuzhou, Jiangsu, 221116, People's Republic of China ~72: FAN, Tongda;JIANG, Jiachao;LEI, Shaogang;LUO, Ping;WANG, Lizhang;XIONG, Jibing;YANG, Dejun;ZHANG, Hongjian~ 33:CN ~31:202211245167.5 ~32:12/10/2022

2024/05990 ~ Complete ~54:A CONFECTIONERY COMPOSITION ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: LAZIDIS, Aristodimos;WHITEHOUSE, Andrew Steven~ 33:EP ~31:22150731.2 ~32:10/01/2022

2024/05973 ~ Complete ~54:COOLING ARRANGEMENT FOR CONDITIONING CABINS OF WORK MACHINES ~71:CATERPILLAR UNDERGROUND MINING PTY LTD, 2-8 Hopkinson Street, Australia ~72: MUTHUSAMY, Karthik Raja;RAMASAMY, Sivakumar;RAVI, Praveen Kumar;SAWARD, Sean Robert~ 33:AU ~31:2023222913 ~32:31/08/2023

2024/05977 ~ Complete ~54:EXPERIMENTAL PLATFORM FOR PHYSICAL EXPERIMENTS ~71:HUBEI UNIVERSITY OF EDUCATION, No. 129, Gaoxin 2nd Road, Donghu New Technology Development Zone, Wuhan City, Hubei Province, 430223, People's Republic of China ~72: YU Ning~

2024/05980 ~ Complete ~54:DEVICE AND METHOD FOR PROCESSING MATERIALS ~71:EREMA ENGINEERING RECYCLING MASCHINEN UND ANLAGEN GESELLSCHAFT M.B.H., Freindorf, Unterfeldstrasse 3, Austria ~72: Sebastian SOCHOR~ 33:AT ~31:A50088/2022 ~32:11/02/2022

2024/05981 ~ Complete ~54:HIGH-STRENGTH HOT DIP-COATED STEEL STRIP WITH PLASTICITY BROUGHT ABOUT BY MICROSTRUCTURAL TRANSFORMATION AND METHOD FOR PRODUCTION THEREOF ~71:SALZGITTER FLACHSTAHL GMBH, Eisenhüttenstraße 99, Germany ~72: KWIATON, Norbert;MOLODOV, Konstantin~ 33:DE ~31:10 2022 102 418.0 ~32:02/02/2023

2024/05987 ~ Complete ~54:DRIVE ARRANGEMENT ~71:SCHLETTER INTERNATIONAL B.V., Herikerbergweg 88, 1101, Amsterdam, Netherlands ~72: GABRIEL DECHANT;JAN ZAPFE~ 33:DE ~31:10 2022 102 608.6 ~32:03/02/2022

2024/05994 ~ Complete ~54:METHOD OF MODULATING ALKALOID CONTENT IN TOBACCO PLANTS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ANASTACIO DE ABREU E LIMA, Francisco;BEN KHALED, Sara;GALDON-ARMERO, Javier~ 33:GB ~31:2201415.3 ~32:03/02/2022

2024/05996 ~ Complete ~54:SURROGATE CYTOKINE POLYPEPTIDES ~71:The Board of Trustees of the Leland Stanford Junior University, Office of the General Counsel, Building 170, Third Floor, Main Quad, P.O. Box 20386, STANFORD 94305-2038, CA, USA, United States of America ~72: GARCIA, Kenan Christopher;LIU, Qingxiang;REN, Junming;YEN, Michelle~ 33:US ~31:63/306,882 ~32:04/02/2022

2024/05967 ~ Complete ~54:ERICERUS PELA CELL CULTURE METHOD ~71:Institute of Highland Forest Science, Chinese Academy of Forestry, Bailongsi, Panlong District, Kunming City, Yunnan Province, 650224, People's Republic of China ~72: CHEN, Hang;CHEN, Xumei;DING, Weifeng;LI, Xian;LING, Xiaofei;LU, Qin;MA, Chenjing;WANG, Weiwei;ZHANG, Xin~

2024/05974 ~ Complete ~54:APPLICATION OF CHITIN-FUNCTIONALIZED MESOPOROUS CARBON IN EXTRACTING FLAVONOID COMPOUNDS FROM FLOWERS OF CHINESE ROSE ~71:GANSU ZHONGSHANG FOOD QUALITY INSPECTION AND TESTING CO., LTD, 19th Floor, Block C, Lianchuang Plaza, 449 Yannan Road, Chengguan District, Lanzhou City, People's Republic of China ~72: HE, Haining;HONG, Xia;LI, Guijun;LI, Lihong;SUN, Liedong;WU, Jianqiang;WU, Lihua;YANG, Guangrui;YUAN, Caixia~

2024/05979 ~ Complete ~54:COMPOSITION, SYSTEM AND METHOD FOR SYNTHESIZING AND ANALYSING METAGENOMIC PROFILE OF KATSING ~71:Lydia Yeptho, Department of Botany, Nagaland University Lumami, Headquarters, Zunheboto district, Nagaland, 798627, India;Nagaland University, Lumami Headquarters,

Zunheboto district, Nagaland, 798627, India; Talijungla, Department of Botany, Nagaland University Lumami, Headquarters, Zunheboto district, 798627, India; Watitemjen, Department of Botany, Nagaland University Lumami, Headquarters, Zunheboto district, Nagaland, 798627, India ~72: Lydia Yeptho; Talijungla; Watitemjen~

2024/05993 ~ Complete ~54:METHOD OF MODULATING ALKALOID CONTENT IN TOBACCO PLANTS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ANASTACIO DE ABREU E LIMA, Francisco; BEN KHALED, Sara; GALDON-ARMERO, Javier~ 33:GB ~31:2201414.6 ~32:03/02/2022

2024/05962 ~ Complete ~54:WATER-LEVEL INDICATOR ARRANGEMENT ~71:Etienne ZEEMAN, Leeurivier, South Africa ~72: Etienne ZEEMAN~ 33:ZA ~31:2023/07696 ~32:04/08/2023

2024/05964 ~ Complete ~54:CATIONIC COVALENT ORGANIC FRAMEWORK MATERIAL FOR RAPIDLY ADSORBING INDOMETACIN, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Ganjiang River Middle Reaches Hydrology and Water Resources Monitoring Center, No.3 Zhusun Lane, Jifu Road, Ji'an City, Jiangxi Province, People's Republic of China; Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, People's Republic of China ~72: FU Wenjie; HOU Linli; LANG Fengxiang; MAO Yan; WANG Le; XIAO Yingjie; ZENG Keni~

2024/05995 ~ Complete ~54:METHOD OF MODULATING ALKALOID CONTENT IN TOBACCO PLANTS ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: ANASTACIO DE ABREU E LIMA, Francisco; BEN KHALED, Sara; GALDON-ARMERO, Javier~ 33:GB ~31:2201443.5 ~32:04/02/2022

2024/05997 ~ Complete ~54:A METHOD OF FORMING A SYNGAS FOR PRODUCING LIQUID HYDROCARBONS ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: ALLAN, Stuart William; COE, Andrew James; COOK, Amelia Lorna Solveig; JIANG, Cuijie; LLORENS NAVARRO, Raul; NIJEMEISLAND, Michiel; SUNDERLAND, Jon-Pierre~ 33:GB ~31:2204767.4 ~32:01/04/2022

- APPLIED ON 2024/08/05 -

2024/05998 ~ Provisional ~54:BULONGWE COW DUNG PAINT ~71:Lindelani Xulu Ka Dlamini, 77 Geelhout Vastfontein, South Africa ~72: Lindelani Mfundo Xulu Ka Dlamini~

2024/06010 ~ Complete ~54:FALL-PREVENTION SEISMIC LIMITING DEVICE FOR BRIDGES ~71:Anhui Science and Technology University, No. 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: CHANG, Shan; MA, Lu; SUN, Bi; WU, Weidong; YUAN, Ling; YUE, Xinxin; ZHANG, Wei~

2024/06017 ~ Complete ~54:CONTAINER WITH RESEALABLE CLOSURE ~71:YETI COOLERS, LLC, 7601 Southwest Parkway, Austin, Texas, 78735, United States of America ~72: CALVIN TABOR; DEREK G SULLIVAN; ERIK STEVEN LARSON; JOHN WARREN DOW; KEITH AUSTIN; KYLE EDWARD ROGERS~ 33:US ~31:17/673,688 ~32:16/02/2022

2024/05999 ~ Provisional ~54:CROP TREATMENT METHOD ~71:CHEMPAC (PTY) LTD, Simondium Road, South Africa ~72: Christiaan Otto FRIELINGS DORF~

2024/06001 ~ Provisional ~54:UV PROTECTIVE AND SKIN REGENERATIVE NANOSYSTEM AND FORMULATION ~71:KYOMI WELLNESS AND HEALTH (PTY) LTD, Leliefontein Farm, South Africa ~72: PRADEEP, Priyamvada~

- 2024/06005 ~ Complete ~54:STRENGTH TRAINING DEVICE FOR MARTIAL ARTS ~71:Qingdao University of Technology, Physical Education Department, Jialingjiang Road Campus, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: QU, Hongjun;WANG, Jun~
- 2024/06008 ~ Complete ~54:METHOD FOR EVALUATING TOXICITY OF EMERGING CONTAMINANTS IN SOIL ON NEMATODES ~71:ZHEJIANG UNIVERSITY, 866 YUHANGTANG RD, People's Republic of China ~72: CAO, Qinqin;HOU, Jie;HU, Chao;LIANG, Zhongxue;LIN, Daohui~ 33:CN ~31:2024109462387 ~32:25/07/2024
- 2024/06013 ~ Complete ~54:ANTIBODY-CONJUGATES FOR TARGETING OF TUMOURS EXPRESSING TROP-2 ~71:SYNAFFIX B.V., Kloosterstraat 9, Netherlands ~72: LELIEVELDT, Lianne;VAN BERKEL, Sander Sebastiaan;VAN DELFT, Floris Louis;VAN GEEL, Remon;WIJDEVEN, Maria Antonia~ 33:EP ~31:22163943.8 ~32:23/03/2022
- 2024/06015 ~ Complete ~54:CONDOM HOLDER ~71:GERASIMENKO, Vadim Mihajlovich, Malaya Konyushennaya, dom 4/2, kv. 72,, Russian Federation ~72: GERASIMENKO, Vadim Mihajlovich~
- 2024/06019 ~ Complete ~54:SOLID FORMS OF (S)-L-((2',6-BIS(DIFLUOROMETHYL)-[2,4'-BIPYRIDIN]-5-YL)OXY)-2,4-DIMETHYLPENTAN-2-AMINE AND SALTS THEREOF ~71:LEXICON PHARMACEUTICALS, INC., 2445 Technology Forest Blvd., 11th Floor, The Woodlands, Texas, 77381, United States of America ~72: MATTHEW MANGZHU ZHAO;QUN LI;WENXUE WU~ 33:US ~31:63/315,507 ~32:01/03/2022
- 2024/06020 ~ Complete ~54:METHODS AND COMPOUNDS USEFUL IN THE SYNTHESIS OF AN AAK1 INHIBITOR ~71:LEXICON PHARMACEUTICALS, INC., 2445 Technology Forest Blvd., 11th Floor, The Woodlands, Texas, 77381, United States of America ~72: JUN YAN;MATTHEW MANGZHU ZHAO;TAO CHEN;WENXUE WU;XIANGLU ZENG~ 33:US ~31:63/315,504 ~32:01/03/2022
- 2024/06012 ~ Complete ~54:COMPOUND - DIAGNOSTIC MARKER FOR INTESTINAL CANCER, METHOD FOR DETECTING ENZYMIC ACTIVITY, METHOD FOR DIAGNOSIS OF INTESTINAL CANCER, KIT COMPRISING THE COMPOUND, USES OF THE COMPOUND AND METHOD FOR THE TREATMENT OF INTESTINAL CANCER ~71:URTESTE S.A., Ul. Starodworska 1, Poland ~72: GRUBA, Natalia;LESNER, Adam~ 33:PL ~31:P.440782 ~32:29/03/2022
- 2024/06022 ~ Complete ~54:INSECTICIDAL PROTEIN AND USES THEREOF ~71:DCM Shriram Limited, 2nd Floor, (West Wing), Worldmark 1, Aerocity, NEW DELHI 110037, INDIA, India ~72: DODDA, Santosh Kumar;PARIHAR, Dwarkesh Singh;SEELAM, Lavanya;VERMA, Paresh Kumar~ 33:IN ~31:202211000823 ~32:06/01/2022
- 2024/06002 ~ Provisional ~54:FENCE POST ~71:COCHRANE STEEL PRODUCTS (PTY) LTD, 125 Fitter Road, Spartan, South Africa ~72: COCHRANE, Richard Bruce~
- 2024/06003 ~ Provisional ~54:A DEVICE FOR SHAPING OR FORMING A TIP OF AN ENDOVASCULAR CATHETER ~71:MIN MEDICAL INNOVATION NETWORK GmbH, Franz Schalk - Platz 912, Austria ~72: FLATSCHER, Michael~
- 2024/06007 ~ Complete ~54:PROTECTIVE DEVICE FOR BUILDING BLASTING AND PROTECTIVE METHOD THEREFOR ~71:Anhui Jiangnan Blasting Engineering Co., Ltd, No. 1008.2008.3001-3008, East District of Huifeng Huayuan, Shanmen North Road, Ningguo City, Anhui province, People's Republic of China ~72: Fan Baolong;Gao Pengfei;Ge Lifang;Luo Jiangtao;Ma Guoqiang;Wang Gang;Yan Bo;Yang Ling;Zhou Xing~ 33:CN ~31:2024105936736 ~32:13/05/2024

2024/06016 ~ Complete ~54:HYDRAZINO GROUP-CONTAINING COMPOUND ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No. 369 Yuzhou South Rd., Lianyungang, Jiangsu, 222062, People's Republic of China ~72: HUI JIN;LI ZHANG;WANGWEI AO;XULIN HAN;YINSHENG ZHANG~ 33:CN ~31:202210092492.6 ~32:26/01/2022;33:CN ~31:202211104139.1 ~32:09/09/2022;33:CN ~31:202310035797.8 ~32:10/01/2023

2024/06018 ~ Complete ~54:LYMPH-RELEASING COMPOSITIONS OF FATTY ACIDS AND USES THEREOF FOR LYMPHATIC INCORPORATION AND SYSTEMIC DISEASE TREATMENT ~71:AMARIN PHARMACEUTICALS IRELAND LIMITED, 88 Harcourt Street, Dublin 2, Dublin, D02DK18, Ireland ~72: RICHARD LOUIS DUNBAR;RICHARD PRESTON MASON~ 33:US ~31:63/303,365 ~32:26/01/2022;33:US ~31:63/303,383 ~32:26/01/2022;33:US ~31:63/304,042 ~32:28/01/2022;33:US ~31:63/334,065 ~32:22/04/2022;33:US ~31:63/334,071 ~32:22/04/2022;33:US ~31:63/340,292 ~32:10/05/2022;33:US ~31:63/340,304 ~32:10/05/2022;33:US ~31:63/342,509 ~32:16/05/2022;33:US ~31:63/348,908 ~32:03/06/2022

2024/06000 ~ Provisional ~54:PLANTING ARRANGEMENT ~71:BONVIGNE (PTY) LTD, Doornrivier, South Africa;HJMFT T/A ANKERKAROO (PTY) LTD, Farm 42/95, South Africa ~72: Juan-Pierree BENCE~

2024/06006 ~ Complete ~54:METHOD FOR INFORMATION FUSION AND VISUAL ENHANCEMENT NETWORKS AND COMPUTER DEVICES THEREOF ~71:Yangtze Delta Region Institute (Huzhou), University of Electronic Science and Technology of China, Building B1, Science and Technology Innovation Complex, No.819, Xisaishan Road, Huzhou City, Zhejiang Province, 313099, People's Republic of China ~72: Shaoning ZENG;Yuling YI;Yunbo RAO~ 33:CN ~31:CN 2023114260906 ~32:31/10/2023

2024/06014 ~ Complete ~54:CONDOM PACKAGE ~71:GERASIMENKO, Vadim Mihajlovich, Malaya Konyushennaya, dom 4/2, kv. 72., Russian Federation ~72: GERASIMENKO, Vadim Mihajlovich~ 33:RU ~31:2022102436 ~32:02/02/2022

2024/06009 ~ Complete ~54:INTELLIGENT COMPACTION EQUIPMENT FOR TRANSITION SECTION CONSTRUCTION HAVING AN EDGE COMPACTION FUNCTION ~71:CHINA RAILWAY NO. 3 ENGINEERING GROUP CO., LTD., No. 1 Xinjian South Road, Taiyuan City, People's Republic of China;THE FIFTH ENGINEERING CO., LTD. OF CHINA RAILWAY NO. 3 ENGINEERING GROUP CO., LTD., No. 1 Shuncheng East Street, Yuci District, Jinzhong City, People's Republic of China ~72: CAI, Zhibo;FENG, Li;FU, Chongyang;FU, Jing;LI, Yingjie;SHEN, Ligang;WANG, Jin;WANG, Ping;WEI, Wenyuan;WU, Yongzhen;ZHANG, Zefeng~ 33:CN ~31:2024101580510 ~32:04/02/2024

2024/06011 ~ Complete ~54:WELDING METHOD FOR Ti2ALNB-BASED ALLOY ~71:HARBIN WELDING INSTITUTE LIMITED COMPANY, No. 2077, Chuangxin Road, Songbei District, Harbin, Heilongjiang, 150028, People's Republic of China ~72: HUANG, Caiyan;LI, Rui;LI, Yunlei;LIANG, Wu;LIN, Yue;QIN, Feng;WANG, Qi;WANG, Zhiyong;WU, Yanquan;XU, Ming;YAN, Hanlin;YANG, Haifeng;YUAN, Mingqiang;ZHANG, Chunbo;ZHANG, Wenhan;ZHANG, Xuelong;ZHAO, Yushan;ZHOU, Jun~ 33:CN ~31:202310904568.5 ~32:24/07/2023

2024/06023 ~ Complete ~54:METHODS FOR ENABLING DYNAMIC PUNCTURING IN WLAN SYSTEMS ~71:InterDigital Patent Holdings, Inc., 200 Bellevue Parkway, Suite 300, WILMINGTON 19809, DE, USA, United States of America ~72: LIN, Zinan;LOU, Hanqing;SAAD, Mahmoud;WANG, Xiaofei;YANG, Rui~ 33:US ~31:63/307,141 ~32:06/02/2022;33:US ~31:63/312,596 ~32:22/02/2022;33:US ~31:63/404,763 ~32:08/09/2022

2024/06024 ~ Complete ~54:METHOD FOR REDUCING THE GLOBAL GREENHOUSE EFFECT ~71:Dr. Stefan Henschen, Dennewartstr. 25-27, Aachen, 52068, Germany ~72: Dr. Stefan Henschen~ 33:DE ~31:10 2022 102 326.5 ~32:01/02/2022

2024/06004 ~ Provisional ~54:AN AGRICULTURE RENEWABLE FACILITY SYSTEM ~71:LETLOU ENERGY (PTY) LTD., 53 Main Road, CLAREMONT, Cape Town 7708, Western Cape Province, SOUTH AFRICA, South Africa ~72: MAKO, Rebaone~

2024/06021 ~ Complete ~54:AN ANTIFUNGAL COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NAMISHA MOHAPATRA;SAMIRAN MAHAPATRA;SANDEEP VARMA;SRILAXMI VENKATA MEDEPALLI~ 33:EP ~31:22162242.6 ~32:15/03/2022

- APPLIED ON 2024/08/06 -

2024/06029 ~ Provisional ~54:METHOD FOR OBTAINING A FERMENTED MYCELIUM POLYSACCHARIDE MASS ~71:Sawubona Mycelium (Pty) Ltd, 1/152 London Lane, Knoppieslaagte, Centurion, South Africa ~72: MOLOI, Neo~

2024/06052 ~ Complete ~54:METHOD FOR PREPARING IMMOBILIZED ENZYME HAVING HIGH STABILITY ~71:ANQING ROUNDCARE PHARMACEUTICAL CO., LTD, Room 301, Building 8 High-tech Zone Management Committee, Daguang District Anqing, Anhui, 246005, People's Republic of China ~72: BING YU;FEI LU;HAIYONG WANG;JINGWEI RAO;LI LIN;YANYANG SHEN;YONGLI YUE~ 33:CN ~31:202210330110.9 ~32:28/03/2022

2024/06047 ~ Complete ~54:INDUCERS OF KLF2 AND METHODS OF USE THEREOF ~71:Riparian Pharmaceuticals, Inc., 201 Dexter Avenue, WATERTOWN 02472, MA, USA, United States of America ~72: SERRANO-WU, Michael;WESTER, Ronald T.~ 33:US ~31:63/307,416 ~32:07/02/2022

2024/06051 ~ Complete ~54:IN-LINE SENSOR, MILKING CLUSTER AND ASSOCIATED METHODS ~71:BOVONIC LIMITED, 12 Bradley Avenue Pyes Pa, Tauranga, 3112, New Zealand ~72: GARY EDWIN CAMPBELL;LIAM GEORGE KAMPSHOF~ 33:AU ~31:2022900361 ~32:18/02/2022;33:AU ~31:2022902243 ~32:10/08/2022

2024/06027 ~ Provisional ~54:GEOGRIDS ~71:University of the Witwatersrand, Johannesburg, 1 Jan Smuts Avenue, Braamfontein, 2001, SOUTH AFRICA, South Africa ~72: BURAGADDA, Venkatesh;RATHOD, Ganesh W.~

2024/06030 ~ Provisional ~54:HIGH-TENSILE-STEEL SCAFFOLD SYSTEMS ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2024/06032 ~ Provisional ~54:EAZY LID ~71:Petrus Muller Muller, c/o Jack Street & Service Lane road, Randhart, Alberton, South Africa, unit 2 bezroy mews, South Africa ~72: Petrus Muller~

2024/06037 ~ Complete ~54:FLAVOR FREEZE-DRIED COFFEE AND PREPARATION METHOD THEREOF ~71:Hainan Xingke Tropical Crop Engineering Technology Limited Company, Xinglong Tropical Garden, Wanning City, Hainan Province, People's Republic of China;Spice and Beverage Research Institute, Chinese Academy of Tropical Agricultural Science, Xinglong Tropical Garden, Wanning City, Hainan Province, People's Republic of China ~72: DONG Wenjiang;DU Jiao;HU Rongsuo;YU Xinxin;ZHANG Jiyue;ZONG Ying~

2024/06041 ~ Complete ~54:PERSONAL VAPORIZING UNIT ~71:AETHER INNOVATIONS, LLC, 1601 N 12th St., Unit 4 Boise, United States of America ~72: CROWE, David, Ryan;MCCOY, Mark, S.;MINSKOFF, Noah, Mark;RUHSAM, Alexis Marie Tivet;RUHSAM, John, William~ 33:US ~31:63/298,935 ~32:12/01/2022;33:US ~31:63/308,942 ~32:10/02/2022

2024/06045 ~ Complete ~54:TREATING HAEMATOLOGICAL MALIGNANCIES BY MEANS OF SATRAPLATIN
~71:Pharma& Schweiz GmbH, Riedstrasse 1, CHAM 6330, SWITZERLAND, Switzerland ~72: DAHM,
Felix;MARKSON, Gabriel Benjamin;RENNER, Christoph Robert;ZANDER, Thilo Joachim~ 33:GB
~31:2200170.5 ~32:07/01/2022

2024/06033 ~ Provisional ~54:BULONGWE COW DUNG PAINT ~71:Lindelani Xulu Ka Dlamini, 77 Geelhout
Vastfontein, South Africa ~72: Lindelani Xulu Ka Dlamini~

2024/06034 ~ Complete ~54:METHOD FOR EXTRACTING SECONDARY POLYSACCHARIDES FROM AJUGA
CILIATA ~71:Huangshan University, No.39 Xihai Road, Tunxi District, Huangshan City, Anhui Province, People's
Republic of China ~72: HUANG Xinghao;PAN Le;YANG Yujie;ZHANG Junhao;ZHANG Yanfei~

2024/06038 ~ Complete ~54:AUTOMATIC FLUID EXCHANGE DEVICE FOR PERITONEAL DIALYSIS
~71:BINHAIWAN CENTRAL HOSPITAL OF DONGGUAN, No. 111, Humen Avenue, Humen Town, Dongguan
City, Guangdong Province, People's Republic of China ~72: GENSHEN WEI;HANPING ZHONG;HUI LI;JINGYI
LUO;JINGYUAN ZHONG;JINTIAN ZHENG;XIUHONG WANG~ 33:CN ~31:2024213068054 ~32:11/06/2024

2024/06040 ~ Complete ~54:AN INSULATED VOLTAGE RESISTANCE DETECTION DEVICE AND A
DETECTION SYSTEM THEREOF ~71:Henan Feilong (Wuhu) Auto Components Co., Ltd., Fuqiang Community,
Qingshui Street, Jiujiang Economic Development Zone, Jiujiang District, Wuhu City, Anhui Province, 241000,
People's Republic of China ~72: Feng Zhang;Lintao Zhang;Minghao Wu~ 33:CN ~31:202310688373.1
~32:09/06/2023

2024/06050 ~ Complete ~54:HYDRANT DISPENSER ~71:SHANGHAI CHENGFEI AVIATION SPECIAL
EQUIPMENT CO., LTD, No. 55 Huahui Road, SongJiang District, Shanghai, 201613, People's Republic of China
~72: BIN YU;DASHENG GUAN;HAIPIN HUANG;LEI WANG;TINGTING HUANG~ 33:CN ~31:202210043539.X
~32:14/01/2022

2024/06053 ~ Complete ~54:ARYL ALKYNAMIDE DERIVATIVES ~71:ASTELLAS ENGINEERED SMALL
MOLECULES US, INCORPORATED, 441 Morgan Ave., Suite 700 , Cambridge, Massachusetts, 02141, United
States of America;ASTELLAS PHARMA INC., 5-1, Nihonbashi-Honcho 2-chome Chuo-ku, Tokyo, 103-8411,
Japan ~72: AKIO KAMIKAWA;IKUMI KURIWAKI;JEFFREY CIAVARRI;JUNKO MAEDA;KAI
KITAMURA;KENICHI KAKEFUDA;KENJI NEGORO;RYUSHI SEO;WATARU HAMAGUCHI;YUMI YAMASHITA~
33:US ~31:63/314,783 ~32:28/02/2022

2024/06046 ~ Complete ~54:MATERIALS AND METHODS OF IL-1BETA BINDING PROTEINS ~71:Johnson &
Johnson Enterprise Innovation Inc., One Johnson & Johnson Plaza, NEW BRUNSWICK 08933, NJ, USA, United
States of America ~72: EDWARDS, Matthew J.;HINDI, Sagit;PASCUAL, Gabriel;STEVENSON, Christopher
Scott;SWAMINATHAN, Suresh Kumar~ 33:US ~31:63/297,436 ~32:07/01/2022

2024/06049 ~ Complete ~54:PROCESSES FOR PURIFYING IRON-BEARING MATERIALS ~71:Form Energy,
Inc., 30 Dane Street, SOMERVILLE 02143, MA, USA, United States of America ~72: CHEVRIER,
Vincent;CHIANG, Yet-Ming;GIBSON, Michael Andrew;SCHRODER, Kjell William;SMITH, Danielle
Cassidy;TAYLOR, Olivia Claire~ 33:US ~31:63/307,462 ~32:07/02/2022;33:US ~31:63/365,297
~32:25/05/2022

2024/06055 ~ Complete ~54:METHOD FOR PROCESSING ZINC CONCENTRATES ~71:GLENCORE
TECHNOLOGY PTY LIMITED, Level 10, 160 Ann Street, Brisbane, Queensland, 4000, Australia ~72: ALISTAIR
STEWART BURROWS;STANKO NIKOLIC~ 33:AU ~31:2022900328 ~32:16/02/2022

2024/06035 ~ Complete ~54:METHOD FOR EXTRACTING ANTIBACTERIAL ACTIVE COMPONENTS FROM AJUGA CILIATA BUNGE ~71:Huangshan University, No.39 Xihai Road, Tunxi District, Huangshan City, Anhui Province, People's Republic of China ~72: PAN Le;ZHANG Hujun;ZHANG Yanfei;ZHANG Zhi;ZHOU Xin~

2024/06039 ~ Complete ~54:AN AIR-TIGHTNESS TESTING DEVICE FOR ELECTRONIC WATER PUMPS ~71:Henan Feilong (Wuhu) Auto Components Co., Ltd., Fuqiang Community, Qingshui Street, Jiujiang Economic Development Zone, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Feng Zhang;Lintao Zhang;Minghao Wu~ 33:CN ~31:202310728933.1 ~32:16/06/2023

2024/06043 ~ Complete ~54:COMBINATION THERAPY FOR USE IN TREATMENT OF NON-SMALL CELL LUNG CANCER ~71:Alethia Biotherapeutics Inc., 141, Président-Kennedy avenue, Suite SB-5100, MONTRÉAL H2X 1Y4, QUÉBEC, CANADA, Canada ~72: FILION, Mario;JOLIVET, Jacques;LAURIN, Julie~ 33:US ~31:63/307,533 ~32:07/02/2022;33:US ~31:63/333,597 ~32:22/04/2022

2024/06044 ~ Complete ~54:NITROGEN-CONTAINING HETEROCYCLIC COMPOUND HAVING NRF2 ACTIVATION EFFECT ~71:Chugai Seiyaku Kabushiki Kaisha, 5-1, Ukima 5-chome, Kita-ku, TOKYO 1158543, JAPAN, Japan ~72: HARADA, Takeo;KIMBARA, Atsushi;KOMIYAMA (Deceased), Susumu;MURATA, Yoshihisa;OHTAKE, Yoshihito;OKUYAMA, Mizuki;SAITO, Rie~ 33:JP ~31:2022-001804 ~32:07/01/2022

2024/06028 ~ Provisional ~54:A MOUNTING ASSEMBLY ~71:O'CONNELL, Jonathan, 56 NEWTON ROAD, GANTS PLAZA, CAPE TOWN, 7140, SOUTH AFRICA, South Africa ~72: O'CONNELL, Jonathan~

2024/06042 ~ Complete ~54:CLOSURE CAP ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, Austria ~72: Franz-Michael LÄSSER;Peter WINGHART;Werner STEURER~ 33:CH ~31:000048/2022 ~32:14/01/2022

2024/06048 ~ Complete ~54:GLP-1 AND GLUCAGON DUAL AGONIST PEPTIDES WITH IMPROVED BIOLOGICAL STABILITY ~71:MedImmune Limited, 1 Francis Crick Avenue, Cambridge Biomedical Campus, CAMBRIDGE CB2 0AA, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BEDNAREK, Maria Aleksandra;GENAPATHY, Sivaneswary~ 33:US ~31:63/307,206 ~32:07/02/2022

2024/06026 ~ Provisional ~54:BINARY METAL OXIDE CATALYSTS ~71:University of the Western Cape, Robert Sobukwe Road, South Africa ~72: Franschke SOUDENS;Prof Vladimir Mikhailovich LINKOV;Prof. Sivakumar PASUPATHI;Simone KARELS~

2024/06031 ~ Provisional ~54:AUTONOMOUS NATIONWIDE ENERGY STORAGE AND DISTRIBUTION SYSTEM ~71:Sabelo Arnold Nododile, 10492 Dr. Matseke Drive, Dobsonville Ext 3,, South Africa ~72: Sabelo Arnold Nododile~

2024/06036 ~ Complete ~54:ORGANIC-INORGANIC HIGH-NITROGEN WATER-SOLUBLE FERTILIZER AND PREPARATION METHOD THEREOF ~71:Institute of Plant Nutrition, Resources and Environment, Henan Academy of Agricultural Sciences, No.116 Huayuan Road, Jinshui District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Cuimin GAO;Fang HE;Hao LIU;Jicheng WU;Jinli DING;Xiaoying PAN;Yonghui YANG;Yunhong ZHANG~

2024/06054 ~ Complete ~54:METHODS OF WEIGHT LOSS AND PRESERVING SKELETAL MUSCLE MASS ~71:RIVUS PHARMACEUTICALS, INC., 706B Forest Street, Charlottesville, Virginia, 22903, United States of America ~72: DIANE JORKASKY;FRANCISCO PORTELL;SHAHARYAR KHAN~ 33:US ~31:63/307,506 ~32:07/02/2022;33:US ~31:63/382,456 ~32:04/11/2022

2024/06056 ~ Complete ~54:METHODS OF WEIGHT LOSS IN A SUBJECT WITH ELEVATED HBA1C
~71:RIVUS PHARMACEUTICALS, INC., 706B Forest Street, Charlottesville, Virginia, 22903, United States of
America ~72: DIANE JORKASKY;FRANCISCO PORTELL;SHAHARYAR KHAN~ 33:US ~31:63/307,470
~32:07/02/2022;33:US ~31:63/382,426 ~32:04/11/2022

- APPLIED ON 2024/08/07 -

2024/06057 ~ 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~

2024/06059 ~ Provisional ~54:AFRICA ROAD PATCH ~71:Africa Road Patch PTY LTD, 85 Main Road ,
Eastleigh , Edenvale , 1609, South Africa ~72: Rob Shaw~

2024/06065 ~ Complete ~54:A SYSTEM BASED ON DATA HIDING TECHNIQUE FOR EFFICIENT QUALITY
ACCESS CONTROL OF IMAGES AND A METHOD THEREOF ~71:Atanu Chowdhury, Calcutta Institute of
Technology, India;Brainware University, 398, Ramkrishnapur Road, Barasat, Kolkata, 700125, India;Calcutta
Institute of Technology, Calcutta Institute of Technology, Banitabla, Uluberia, Howrah, 711316, India;Dr. Amit
Phadikar, Santal Bidroha Sardha Satabarshiki Mahavidyalaya PO+PS: Goaltore, Dist: Paschim Medinipur,
721128, India;Dr. Angshuman Majumdar, Department of Electronics and Communication Engineering, Brainware
University, Barasat, Kolkata, West Bengal, 700125, India;Dr. Aniruddha Ghosh, University Of Engineering and
Management, Kolkata, University Area, Plot No. III, B/5, New Town Rd, Action Area III, Newtown, Kolkata, West
Bengal, 700160, India;Dr. Goutam Kumar Maity, Mahishadal Raj College, Garkamalpur, Mahishadal, Purba
Medinipur, West Bengal, 721628, India;Dr. Himadri Mandal, Calcutta Institute of Technology, Banitabla, Uluberia,
Howrah, 711316, India;Dr. Ramkrishna Rakshit, Dr. B.C.Roy Engineering College, Fuljhore, Jemua Road,
Durgapur, 713206, India;Dr. Subhalaxmi Chakraborty, University Of Engineering and Management, Kolkata,
University Area, Plot No. III, B/5, New Town Rd, Action Area III, Newtown, Kolkata, West Bengal, 700160,
India;University of Engineering and Management, Kolkata, University Area, Plot No. III, B/5, New Town Rd, Action
Area III, Newtown, Kolkata, West Bengal, 700160, India ~72: Dr. Amit Phadikar;Dr. Goutam Kumar Maity;Dr.
Himadri Mandal;Tien-Lung Chiu~

2024/06075 ~ Complete ~54:NOVEL METHODS FOR DECELLULARIZING EXTRACELLULAR MATRIX
~71:REGENX SCIENCE, INC., 319 Clematis Street, Suite 408, West Palm Beach, Florida, 33401, United States
of America ~72: ELISABETH CORSON;JUN-HUNG CHO;RAMON MONTERO~ 33:US ~31:63/267,863
~32:11/02/2022

2024/06086 ~ Complete ~54:PLASTIC PYROLYSIS HEATING/REACTION RECIPE ~71:LUMMUS
TECHNOLOGY LLC, 5825 North Sam Houston Parkway West, United States of America ~72: CHAKRABORTY,
Sudipto;CHEN, Liang;CHU, Te-Chun;FERNALD, Daniel T.;GUYMON, David Lee;HERBANEK, Ron;JIBB, Richard
John;SOM, Manoj~ 33:US ~31:63/266,809 ~32:14/01/2022

2024/06062 ~ Complete ~54:FLAVOR COFFEE AND PREPARATION METHOD THEREOF ~71:Hainan Xingke
Tropical Crop Engineering Technology Limited Company, Xinglong Tropical Garden, Wanning City, Hainan
Province, People's Republic of China;Spice and Beverage Research Institute, Chinese Academy of Tropical
Agricultural Science, Xinglong Tropical Garden, Wanning City, Hainan Province, People's Republic of China ~72:
DONG Wenjiang;HU Rongsuo;HUANG Mei;YU Xinxin;ZHANG Jiyue;ZONG Ying~

2024/06068 ~ Complete ~54:APPARATUS, METHODS, AND COMPUTER PROGRAMS RELATED TO
POSITIONING REFERENCE SIGNALS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO,
FINLAND, Finland ~72: KEATING, Ryan;TAO, Tao~

2024/06079 ~ Complete ~54:DE NOVO DESIGNED LUCIFERASE ~71:UNIVERSITY OF WASHINGTON, 4545 Roosevelt Way NE, Suite 400, United States of America ~72: BAKER, David;KIPNIS, Yakov;NORN, Christoffer;YEH, Hsien-We~ 33:US ~31:63/300,171 ~32:17/01/2022;33:US ~31:63/381,922 ~32:01/11/2022

2024/06081 ~ Complete ~54:TOFA ANALOGUES, SEBUM REDUCTION PREPARATIONS CONTAINING SAID TYPE OF ANALOGUES AND THE COSMETIC AND/OR THERAPEUTIC USE OF SAID TYPE OF ANALOGUES AS AN EFFECTIVE PRINCIPLE FOR REDUCING OR PREVENTING SEBUM ~71:Beiersdorf AG, Beiersdorfstraße 1-9, HAMBURG 22529, GERMANY, Germany ~72: KAMAL, Ahmed;MIELKE, Heiko;REUTER, Jörn Hendrik;SEIDEL, Judith;SIMMERING, Annika~ 33:DE ~31:10 2022 201 276.3 ~32:08/02/2022

2024/06063 ~ Complete ~54:A DEVICE FOR DETECTING PERPENDICULARITY OF ENGINEERING ~71:Wenzhou Polytechnic, University Town, Chashan and Jiangjiaqiao 81, Wenzhou, Zhejiang, People's Republic of China ~72: Fang Liwei~

2024/06066 ~ Complete ~54:BLAST-HOLE CLOSURE ASSEMBLY AND CLOSURE METHOD THEREFOR ~71:Anhui Jiangnan Blasting Engineering Co., Ltd, No. 1008.2008.3001-3008, East District of Huifeng Huayuan, Shanmen North Road, Ningguo City, Anhui province, People's Republic of China ~72: Fan Baolong;Gao Pengfei;Ge Lifang;Luo Jiangtao;Ma Guoqiang;Wang Gang;Yan Bo;Yang Ling;Yang Shichun;Zhou Xing~ 33:CN ~31:2024105937122 ~32:13/05/2024

2024/06071 ~ Complete ~54:A STRAIN OF GELATINOUS PAENIBACILLUS MSSW03 AND ITS APPLICATION ~71:HUBEI MAOSHENG BIOLOGY CO., LTD., Group 6, Qinlao Community, Lishan Town, Suixian County, Suizhou City, Hubei Province, 441300, People's Republic of China ~72: Bin Zhou;Deng Fan;Fei Huang;Hongshuan Qiu;Jie Huang;Qi Liu;Shibai Zhang;Wanyang Chen;Wei Li;Xianrong Yan;Yan Chen;Yineng Jiao;Yixin Zhou;Yu Jiang;Zhilei Tan~ 33:CN ~31:202311639516.6 ~32:30/11/2023

2024/06087 ~ Provisional ~54:GANG CULTURAL MUSEUM CAPE FLATS ~71:WILLIAM IVAN WALDECK, NO. 7 BONTE BOK, KUILSRIVER, South Africa ~72: WILLIAM IVAN WALDECK~

2024/06074 ~ Complete ~54:RADIOLABELED LIPOSOMES AND METHODS OF USE FOR TREATING LEPTOMENINGEAL METASTASES ~71:NANOTX, CORP., 7979 Wurzbach Road, San Antonio, Texas, 78229, United States of America;PLUS THERAPEUTICS, INC., 4200 Marathon Blvd., Suite 200, Austin, Texas, 78756, United States of America ~72: ANDE BAO;ANDREW BRENNER;CHERYL D RICE;DANIEL ORTEGA;GREGORY D STEIN;MARC HEDRICK;WILLIAM PHILLIPS~ 33:US ~31:63/302,953 ~32:25/01/2022;33:US ~31:63/333,050 ~32:20/04/2022;33:US ~31:63/343,034 ~32:17/05/2022

2024/06080 ~ Complete ~54:COMPOUNDS HAVING A T-STRUCTURE FORMED BY AT LEAST FOUR CYCLES FOR USE IN THE TREATMENT OF CANCER AND OTHER INDICATIONS ~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., 1 Corporate Drive, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: BELTRAN, Pedro J.;BISIGNANO, Paola;CZYZYK, Daniel J.;LIGHTSTONE, Felice;MCCORMICK, Francis Patrick;SIMANSHU, Dharendra Kumar;SINGH, Swapnil;SINKEVICIUS, Kerstin;STICE, James;TURNER, David Michael;WALLACE, Eli;WANG, Bin;WEHN, Paul;XU, Rui;YANG, Yue;YERABOLU, Jayasudhan Reddy~ 33:US ~31:63/307,882 ~32:08/02/2022;33:US ~31:63/416,772 ~32:17/10/2022

2024/06085 ~ Complete ~54:PLASTIC PYROLYSIS REACTOR ~71:LUMMUS TECHNOLOGY LLC, 5825 North Sam Houston Parkway West, United States of America ~72: CHAKRABORTY, Sudipto;COMBS, Johnny Doyle;FERNALD, Daniel T.;GUYMON, David Lee;HERBANEK, Ron;JIBB, Richard John;LINDSEY, Boddie Lynn;MAYS, Zachary Alan~ 33:US ~31:63/266,801 ~32:14/01/2022

2024/06060 ~ Provisional ~54:FLEXCHANGE BUILDING BRICK ~71:THABO EZEKIEL LEONARD MOKOENA, 3379 BLOCK B, MABOPANE, South Africa ~72: THABO EZEKIEL LEONARD MOKOENA~

2024/06067 ~ Complete ~54:BISPECIFIC ANTIGEN-BINDING MOLECULE AND USE THEREOF ~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, PUDONG NEW AREA, SHANGHAI 201203, CHINA, People's Republic of China ~72: LI, Ruimei;QIAN, Hongliang;YANG, Liuqing~ 33:CN ~31:202210123816.8 ~32:10/02/2022

2024/06072 ~ Complete ~54:FLEXIBLE RESTRICTED TARGET WAKE TIME OPERATION ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: BOON LOONG NG;RUBAYET SHAFIN~ 33:US ~31:63/355,422 ~32:24/06/2022;33:US ~31:63/399,907 ~32:22/08/2022;33:US ~31:18/339,916 ~32:22/06/2023

2024/06076 ~ Complete ~54:IMPROVED METHODS FOR DECELLULARIZING EXTRACELLULAR MATRIX (ECM) AND PREPARING DECELLULARIZED ECM GELS AND USES THEREOF ~71:REGENX SCIENCE, INC., 319 Clematis Street, Suite 408, West Palm Beach, Florida, 33401, United States of America ~72: ELISABETH CORSON;JUN-HUNG CHO;RAMON MONTERO~ 33:US ~31:63/267,867 ~32:11/02/2022

2024/06083 ~ Complete ~54:METHODS AND SYSTEMS FOR REIDENTIFICATION IN A USER INTERFACE ~71:Blue Prism Limited, 2 Cinnamon Park, Crab Lane, Fearnhead, WARRINGTON WA2 0XP, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: SENSOY, Murat~ 33:EP ~31:22155721.8 ~32:08/02/2022

2024/06061 ~ Complete ~54:STAGE TREATMENT AND RECOVERY METHOD OF WASTE TERNARY LITHIUM BATTERY BLACK POWDER ~71:Zhengzhou Institute of Multipurpose Utilization of Mineral Resources, CAGS, No.328 Longhai West Road, Zhongyuan District, Zhengzhou City, Henan Province, People's Republic of China ~72: CAO Yaohua;CHANG Xueyong;LIU Hongzhao;LIU Lin;WANG Hongliang;WANG Ke;WANG Wei~ 33:CN ~31:2024108315605 ~32:25/06/2024

2024/06064 ~ Complete ~54:DIRECTIONAL DRILLING INTO FAULT FRACTURE ZONE PARTITION GUNITING ANTI-COLLAPSE HOLE SYSTEM AND USE METHOD THEREOF ~71:CCTEG BEIJING CHINA COAL MINE ENGINEERING CO.,LTD, Room 400-453, 4th Floor, Building 64, No.5 Qingniangou Road, Chaoyang District, Beijing City, 100013, People's Republic of China;CHINA UNIVERSITY OF MINING AND TECHNOLOGY-BEIJING, 11 Xueyuan Road Ding, Haidian District, Beijing City, 100083, People's Republic of China ~72: CHANG Jingchen;CHEN Dongdong;GAO Xiaogeng;HE Hongwei;HE Wen;JIA Qingbo;LI Guanghong;LI Shengsheng;LI Zijian;SI Yanqiang;XIANG Junxing;XIE Fuxing;XIE Tengda;YANG Hongjun;YANG Xiangyu;ZHANG Hongfa;ZHANG Zhifeng;ZHANG Zhixuan;ZHAO Wenkang~

2024/06069 ~ Complete ~54:HOT MELT ADHESIVE TO DETECT ANALYTES IN URINE ~71:COLQUÍMICA-INDÚSTRIA NACIONAL DE COLAS, S.A., RUA DAS LOUSAS, 885, P-4440-578 VALONGO, PORTUGAL, Portugal ~72: FRUTUOSO, Cristina, Isabel, Fernandes;PIMENTA, Ana;SOARES, Pedro~ 33:PT ~31:117766 ~32:28/01/2022;33:PT ~31:117775 ~32:03/02/2022

2024/06073 ~ Complete ~54:A SPRAY BOOTH ~71:DIAMOND CUT REFINISHING HOLDINGS LIMITED, Unit E2 Voyager Park, Portfield Road, Portsmouth, PO3 5FL, United Kingdom ~72: STEVEN JOHN BARRETT~ 33:GB ~31:2200302.4 ~32:12/01/2022

2024/06077 ~ Complete ~54:HARBOR BASIN DREDGING CONSTRUCTION METHOD ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: YINZHAN BAI~ 33:CN ~31:2023107294382 ~32:19/06/2023

2024/06082 ~ Complete ~54:TOFA ANALOGUES, SEBUM REDUCTION PREPARATIONS CONTAINING SAID TYPE OF ANALOGUES AND THE COSMETIC AND/OR THERAPEUTIC USE OF SAID TYPE OF ANALOGUES AS AN EFFECTIVE PRINCIPLE FOR REDUCING OR PREVENTING SEBUM ~71:Beiersdorf AG, Beiersdorfstraße 1-9, HAMBURG 22529, GERMANY, Germany ~72: KAMAL, Ahmed;MIELKE, Heiko;REUTER, Jörn Hendrik;SEIDEL, Judith;SIMMERING, Annika~ 33:DE ~31:10 2022 201 277.1 ~32:08/02/2022

2024/06084 ~ Complete ~54:METHODS, ARCHITECTURES, APPARATUSES AND SYSTEMS FOR SUPPORTING NETWORK SLICING SERVING AREA ~71:InterDigital Patent Holdings, Inc., 200 Bellevue Parkway, Suite 300, WILMINGTON 19809, DE, USA, United States of America ~72: AHMAD, Saad;FERDI, Samir;OLVERA-HERNANDEZ, Ulises;SETHI, Anuj;STARSINIC, Michael~ 33:US ~31:63/303,574 ~32:27/01/2022

2024/06058 ~ Provisional ~54:REACTIVE GOLF MAT DEVICE ~71:NEX TRADE VENTURE (PTY) LTD, Unit 14 Somerset Office Park, 5 Libertas Road, South Africa ~72: MATHEWS, Ronald Charles~

2024/06070 ~ Complete ~54:A NITROGEN FIXATION GELATINOUS PPAENIBACILLUS MSSW01 AND ITS APPLICATION ~71:HUBEI MAOSHENG BIOLOGY CO., LTD., Group 6, Qinlao Community, Lishan Town, Suixian County, Suizhou City, Hubei Province, 441300, People's Republic of China ~72: Bin Zhou;Deng Fan;Fei Huang;Hongshuan Qiu;Jie Huang;Qi Liu;Shibai Zhang;Wanyang Chen;Wei Li;Xianrong Yan;Yan Chen;Yineng Jiao;Yixin Zhou;Yu Jiang;Zhilei Tan~ 33:CN ~31:202311639573.4 ~32:30/11/2023

2024/06078 ~ Complete ~54:A METHOD FOR CONTROLLING AN ACID LEACHING PROCESS OF CALCIFIED ROASTING CLINKERS ~71:PANGANG GROUP PANZHUIHUA IRON & STEELRESEARCH INSTITUTE CO., LTD., No.90 Taoyuan Street, East District Panzhihua, Sichuan, 617000, People's Republic of China ~72: CHEN, Yan;PENG, Yi;SHEN, Biao;YE, Lu~ 33:CN ~31:202310380719.1 ~32:11/04/2023

- APPLIED ON 2024/08/08 -

2024/06103 ~ Complete ~54:ORTHOPEDIC SPRING HINGE SYSTEMS AND METHODS ~71:ORTHOFIX S.R.L., Via delle Nazioni, 9, Italy;TEXAS SCOTTISH RITE HOSPITAL FOR CHILDREN, 2222 Welborn Street, United States of America ~72: CHERKASHIN, Alexander M.;LUPATINI, Michael;OTTOBONI, Andrea;ROSS, John D.;SAMCHUKOV, Mikhail L.;STANDEFER, Karen;VENTURINI, Daniele~ 33:EP ~31:21195761.8 ~32:09/09/2021;33:US ~31:17/470,116 ~32:09/09/2021

2024/06111 ~ Complete ~54:INCREASING REACTANT UTILIZATION IN FE/V FLOW BATTERIES ~71:SAUDI ARABIAN OIL COMPANY, 1 Eastern Avenue, Saudi Arabia ~72: AMR, Issam T.;HAMMAD, Ahmad D.;LIU, Yueqi;YANG, Zhenguo~ 33:US ~31:17/651,116 ~32:15/02/2022

2024/06114 ~ Complete ~54:BICOLOURED INJECTION-MOULDED PRODUCT AND BI-COLOUR INJECTION-MOULDING METHOD ~71:SCHOELLER ALLIBERT GMBH, Sacktannen 1, Germany ~72: JURGENS, Albert;WEVER, Carlos~ 33:EP ~31:22158667.0 ~32:24/02/2022

2024/06119 ~ Complete ~54:SKIN CARE COMPOSITION AND USES THEREOF ~71:S-Biomedic NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: GOMEZ MARTIN-AMBROSIO, Laura;PAETZOLD, Bernhard;ROZAS BELMONTE, Miquel;VERHEYEN, Willy;ZORGANI, Amine~ 33:EP ~31:22151098.5 ~32:12/01/2022

2024/06124 ~ Complete ~54:DESIGNED CYTOKINE COMPOSITIONS AND METHODS OF USE ~71:Outpace Bio, Inc., 500 Fairview Ave N., Suite 560, SEATTLE 98109-5541, WA, USA, United States of America ~72: BOYKEN, Scott;DAVENPORT, Thaddeus M.;LAJOIE, Marc;MOFFETT, Howell;NG, Andrew Howen;SAMPLE,

Paul Joseph;WEITZNER, Brian~ 33:US ~31:63/298,623 ~32:11/01/2022;33:US ~31:63/479,176
~32:09/01/2023;33:US ~31:63/479,177 ~32:09/01/2023;33:US ~31:63/479,178 ~32:09/01/2023

2024/06134 ~ Complete ~54:METHOD FOR TREATING A PART MADE OF IRON ALLOY FOR IMPROVING
THE ANTI-CORROSION PROPERTIES THEREOF ~71:HYDROMECHANIQUE ET FROTTEMENT, 69 Avenue
Benoît Fourneyron, France ~72: BARRALON, Jérémy;HERRMANN, Luc;MEUNIER, Cédric~ 33:FR
~31:2202215 ~32:14/03/2022

2024/06117 ~ Complete ~54:AN OXYGEN ENRICHED AIR BLOWN PILOT SCALE PRESSURIZED FLUIDIZED
BED REFRACTORY LINED GASIFIER ~71:COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH,
Anusandhan Bhawan, 2, Rafi Marg, New Delhi, 110001, India ~72: GAJANAN SAHU;NILESH D
DHAIGUDE;PRADEEP KUMAR SINGH;PRAKASH DHONDIRAM CHAVAN;SUDIPTA DATTA;SUJAN
SAHA;VISHAL CHAUHAN~ 33:IN ~31:202211006577 ~32:07/02/2022

2024/06130 ~ Complete ~54:A DEVICE WITH BREATHING GUIDANCE MEANS ~71:Nicoventures Trading
Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72:
DICKENS, Colin;ENGLAND, William~ 33:GB ~31:2201748.7 ~32:10/02/2022

2024/06113 ~ Complete ~54:ELECTRICAL CONTACT WEAR MONITORING SYSTEM ~71:CATERPILLAR INC.,
100 NE Adams Street – AB6450, United States of America ~72: BAILEY, Bradley S.;CARTER, Zachary R.;RUTH,
Eric J.;WILLEY, Christopher A.~ 33:US ~31:17/667,614 ~32:09/02/2022

2024/06116 ~ Complete ~54:WIND TURBINE AND A WIND PARK COMPRISING SUCH A WIND TURBINE
~71:STICHTING THE GLOBAL IRRIGATION PROJECT, Agnietenlaan 8, 3841 DJ, Harderwijk, Netherlands ~72:
PIETER GERRIT HANESSEN~ 33:NL ~31:2031011 ~32:18/02/2022;33:NL ~31:2033594 ~32:22/11/2022

2024/06123 ~ Complete ~54:HUMAN MONOCLONAL ANTIBODIES THAT BROADLY TARGET
CORONAVIRUSES ~71:The United States of America, as represented by the Secretary, Department of Health
and Human Services, 6701 Rockledge Drive, Suite 700, MSC 7788, BETHESDA 20892, MD, USA, United States
of America ~72: DACON, Cherrelle;TAN, Joshua Hoong Yu;TUCKER, Courtney~ 33:US ~31:63/308,898
~32:10/02/2022

2024/06132 ~ Complete ~54:TITANIUM DIOXIDE PIGMENT WITH COLORING AFTER-TREATMENT
~71:KRONOS INTERNATIONAL, Inc., Peschstr. 5, LEVERKUSEN 53737, GERMANY, Germany ~72:
BENDZKO, Norbert;MERSCH, Frank~ 33:EP ~31:22155774.7 ~32:09/02/2022

2024/06108 ~ Complete ~54:SCAN ABUTMENT FOR DENTAL IMPLANTS, METHOD FOR CREATING A
MODEL, AND USE OF THE SCAN ABUTMENT ~71:IMPLANT PROTESIS DENTAL 2004 S.L., Cami del Mig 71,
planta 1,, Spain ~72: NIEVES PÉREZ, Miguel Ángel~ 33:EP ~31:22382274.3 ~32:24/03/2022

2024/06115 ~ Complete ~54:BRIDGED RING-SUBSTITUTED HETEROARYL-PYRAN DERIVATIVE, AND USE
THEREOF ~71:D3 BIO (WUXI) CO., LTD., Room 324, 88 MeiLiang Road, MaShan Street, BinHu District Wuxi,
Jiangsu, 214092, People's Republic of China ~72: JIAN LI;PING YANG;QIU LI;SHUHUI CHEN;WENTAO
WU;WENYUAN ZHU;YANG ZHANG;ZHIXIANG LI~ 33:CN ~31:202210074707.1 ~32:21/01/2022;33:CN
~31:202210082274.4 ~32:24/01/2022;33:CN ~31:202210254285.6 ~32:15/03/2022;33:CN
~31:202210346571.5 ~32:31/03/2022;33:CN ~31:202210642158.3 ~32:07/06/2022;33:CN
~31:202210813772.1 ~32:11/07/2022;33:CN ~31:202210964127.X ~32:11/08/2022;33:CN
~31:202310029317.7 ~32:09/01/2023

2024/06120 ~ Complete ~54:C-NUCLEOSIDE MONOPHOSPHATE SYNTHESIS ~71:EnginZyme AB,
Tomtebodavägen 6, SOLNA 171 65, SWEDEN, Sweden;UAB Biomatter Designs, Žirmūnų g. 139A, VILNIUS LT-

09120, LITHUANIA, Lithuania ~72: GROBE, Sascha;IKASALAITĖ, Diana;KARPUS, Laurynas;KOPLŪNAITĖ, Martyna;MEŠKYS, Rolandas;RUGGIERI, Federica;URBELIENĖ, Nina;ZAKRYS, Linas~ 33:GB ~31:2200248.9 ~32:10/01/2022

2024/06131 ~ Complete ~54:COLOR-NEUTRAL RUTILE PIGMENT PARTICLE ~71:KRONOS INTERNATIONAL, Inc., Peschstr. 5, LEVERKUSEN 51373, GERMANY, Germany ~72: BENDZKO, Norbert;MERSCH, Frank~ 33:EP ~31:22155777.0 ~32:09/02/2022

2024/06092 ~ Complete ~54:RECHARGEABLE HYBRID BATTERY ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CAO Dao;JIE Chaoyang;LI Junchi;LIU Chengyuan;LIU Lei;YIN Xupeng;ZHANG Shuaixiang~

2024/06088 ~ Provisional ~54:MATING DISRUPTION ARRANGEMENT ~71:Abraham Josua LE ROUX, 15 Edgar Street, South Africa ~72: Abraham Josua LE ROUX~

2024/06093 ~ Complete ~54:ANTI-SHRIVELLING METHOD OF OF HAZELS ~71:Pomology Institute of Shanxi Agricultural University, No. 79 Longcheng Street, Taiyuan City, Shanxi Province, People's Republic of China ~72: CAO Yang;HOU Dongmei;LI Liang;LIANG Suoxing;XI Haiyuan;YANG Ping;ZHANG Mingli~

2024/06095 ~ Complete ~54:DAMPING EVALUATION METHOD FOR PAPER HONEYCOMB STRUCTURES ~71:SHENZHEN POLYTECHNIC UNIVERSITY, XILI LAKE, XILI LAKE TOWN, XILI STREET, People's Republic of China ~72: WANG, Dongmei;ZHOU, Hao~

2024/06106 ~ Complete ~54:COATING TECHNOLOGY FOR PLASTIC CONTAINERS ~71:IONKRAFT GMBH, Seffenter Weg 201, Germany ~72: JARITZ, Montgomery~ 33:DE ~31:10 2022 105 041.6 ~32:03/03/2022

2024/06110 ~ Complete ~54:ANTI-GLP1R ANTIBODY-DRUG CONJUGATES COMPRISING GLP1 PEPTIDOMIMETICS AND USES THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: DELFINO, Frank;HAN, Amy;MURPHY, Andrew;OKAMOTO, Haruka;OLSON, William;YANOLATOS, Jean;ZHENG, Xiang~ 33:US ~31:63/319,175 ~32:11/03/2022

2024/06118 ~ Complete ~54:USE OF MELANOCORTIN-4 RECEPTOR AGONIST IN PREVENTING OR TREATING RARE GENETIC OBESITY DISEASE ~71:LG CHEM, LTD., 128, YEOUNI-DAERO, YEONGDEUNGPO-GU, SEOUL 07336, REPUBLIC OF KOREA, Republic of Korea ~72: HWANG, Hye Kyeong;PARK, Hee Dong;YEO, Su Jin~ 33:KR ~31:10-2022-0016377 ~32:08/02/2022

2024/06121 ~ Complete ~54:VAPORIZER DEVICE ~71:MMA Technology Co., Limited, RM 803, Chevalier House, 45-51 Chatam Road, South Tsim Sha Tsui Kowloon, HONG KONG, CHINA (P.R.C.), People's Republic of China ~72: CHU, Jianyong;NING, Zhiwen;PAN, Huagan~

2024/06129 ~ Complete ~54:KRAS MODULATORS AND USES THEREOF ~71:Quanta Therapeutics, Inc., 455 Mission Bay Boulevard, SOUTH SAN FRANCISCO 94158-2158, CA, USA, United States of America ~72: HOSPITAL, Audrey;JOHNSON, Neil;LIN, Hong;LUENGO, Juan~ 33:US ~31:63/308,424 ~32:09/02/2022;33:US ~31:63/368,584 ~32:15/07/2022;33:US ~31:63/373,302 ~32:23/08/2022;33:US ~31:63/378,843 ~32:07/10/2022;33:US ~31:63/384,374 ~32:18/11/2022

2024/06089 ~ Provisional ~54:BOOBY TRAP ARRANGEMENT ~71:Abraham Josua LE ROUX, 15 Edgar Street, South Africa ~72: Abraham Josua LE ROUX~

2024/06090 ~ Provisional ~54:BULONGWE COW DUNG PLASTER CEMENT ~71:Lindelani Xulu Ka Dlamini, 77 Geelhout Vastfontein, South Africa ~72: Lindelani Xulu Ka Dlamini~

2024/06097 ~ Complete ~54:SECURITY GATE/BARRIER ~71:ALSYSCO SA (PTY) LTD, No. 11B Bedfordview Office Park 3 Riley Road Bedfordview, 2007, South Africa ~72: AIDEN SHUNMUGAM;BRADLEY PEPPER;PETER CROFTON-BALL~ 33:ZA ~31:2023/11260 ~32:07/12/2023

2024/06098 ~ Complete ~54:PROTECTIVE DEVICE FOR PREVENTING VOMIT POLLUTION DURING GASTROSCOPY ~71:The Second Affiliated Hospital of Nanchang University, No. 1, Minde Road, Donghu District, Nanchang City, Jiangxi Province, 330008, People's Republic of China ~72: Dandan Wang;Fen Xie;Huilan Zhai;Rui Hu;Shufang Wang;Xueqin Li;Zhili Wen~

2024/06101 ~ Complete ~54:SYNTHETIC REACTION DEVICE FOR PRECISE FEEDING OF CHEMICAL DRUGS ~71:Jiangsu College of Nursing, No. 9, Science and Technology Avenue, Huai'an City, Jiangsu Province, 223000, People's Republic of China ~72: Zhang Yanjun~ 33:CN ~31:2024108850953 ~32:03/07/2024

2024/06128 ~ Complete ~54:METHODS FOR TREATING SUBJECTS WITH ABDOMINAL OBESITY HYPERTRIGLYCERIDEMIA AND/OR IMPAIRED GLUCOSE ~71:Novo Nordisk A/S, Novo Alle 1, BAGSVÆRD DK-2880, DENMARK, Denmark ~72: CRATER, Glenn;HARVEY, Michael;RAVENELLE, Francois~ 33:US ~31:63/268,460 ~32:24/02/2022

2024/06091 ~ Provisional ~54:MOUSE TRACKPAD WITH HAPTICS ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;VILJOEN, Jean~

2024/06099 ~ Complete ~54:SUPPORT PROP ~71:MSP MINE SUPPORT PRODUCTS (PTY) LTD, 108 Houtkop Road, South Africa ~72: NISSEN, Christian Engelstoft~ 33:ZA ~31:2023/08923 ~32:21/09/2023

2024/06105 ~ Complete ~54:METHOD AND SYSTEM FOR PROVIDING MEASUREMENT REGIONS FOR PROVIDING A FERTILIZER RECOMMENDATION ~71:YARA INTERNATIONAL ASA, Drammensveien 131, Norway ~72: HARRIMAN, Miles;JASPER, Jörg~ 33:EP ~31:22161884.6 ~32:14/03/2022

2024/06107 ~ Complete ~54:NOVEL CATIONIC COLLECTORS FOR IMPROVING A PROCESS FOR FROTH FLOTATION OF SILICATES ~71:CLARIANT INTERNATIONAL LTD, Rothausstrasse 61, Switzerland ~72: BICALHO, Leandro Seixas;DA SILVA, Wagner Claudio;GROSSMANN, Adriana;PLATEN, Tobias;RAAB, Klaus;ROLLO, Pedro Martins de Almeida~ 33:US ~31:17/704,116 ~32:25/03/2022;33:EP ~31:22167430.2 ~32:08/04/2022

2024/06112 ~ Complete ~54:MANUFACTURING MIXED FE/V ELECTROLYTES FOR FLOW BATTERIES ~71:SAUDI ARABIAN OIL COMPANY, 1 Eastern Avenue, Saudi Arabia ~72: AMR, Issam T.;HAMMAD, Ahmad D.;LIU, Yueqi;YANG, Zhenguao~ 33:US ~31:17/671,948 ~32:15/02/2022

2024/06122 ~ Complete ~54:DEVICE FOR TREATING UTERINE BLEEDING AND METHOD OF USE ~71:Avana Health, Inc., 4114 Legend Hall Drive, NASHVILLE 37215, TN, USA, United States of America ~72: MOREHEAD, John A.~ 33:US ~31:63/267,822 ~32:10/02/2022

2024/06126 ~ Complete ~54:AN AUDIO APPARATUS AND METHOD OF OPERATION THEREFOR ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: JELFS, Sam Martin;KOPPENS, Jeroen Gerardus Henricus~ 33:EP ~31:22150868.2 ~32:11/01/2022

2024/06127 ~ Complete ~54:SUBSTITUTED HETEROCYCLES AS HSET INHIBITORS ~71:Cancer Research Horizons, 2 Redman Place, LONDON E20 1 JQ, UNITED KINGDOM, United Kingdom;Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293, GERMANY, Germany;The Institute of Cancer Research, Royal

Cancer Hospital, 123 Old Brompton Road, LONDON SW7 3RP, UNITED KINGDOM, United Kingdom ~72: BUCHSTALLER, Hans-Peter;CALDWELL, John;COLLINS, Ian;COLOMBANO, Giampiero;KUHN, Daniel;LANZ, Jan;MATTHEWS, Thomas~ 33:EP ~31:22150667.8 ~32:10/01/2022

2024/06133 ~ Complete ~54:USE OF LACTIC ACID IN PRODUCT FOR REGULATING AND PROMOTING TISSUE GROWTH ~71:Changchun Sinobiomaterials Co., Ltd., No. 666A, Chaoqun Street, High-tech District, CHANGCHUN 130103, JILIN, CHINA (P.R.C.), People's Republic of China ~72: WANG, Jinyue;ZHENG, Qian~ 33:CN ~31:202210028046.9 ~32:11/01/2022

2024/06210 ~ Provisional ~54:FILL UP VOUCHER ~71:Nthabiseng Mokwele, 14 Dexter Road, South Africa ~72: Nthabiseng Mokwele~

2024/06104 ~ Complete ~54:LUGGAGE ARRANGEMENT ~71:MNCONO, Anathi, 331 Nu14, Mdantsane, EAST LONDON 5219, Eastern Cape, SOUTH AFRICA, South Africa ~72: MNCONO, Anathi~ 33:ZA ~31:2023/05027 ~32:08/05/2023

2024/06094 ~ Complete ~54:A 3D SCANNER MEASURING DEVICE ~71:XINYU UNIVERSITY, No. 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Danjuan Liu;Hesheng Liu;Qing Wang;Qinghua Zhao;Qiuxiang Tao;Siyong Fu~ 33:CN ~31:202311287162.3 ~32:07/10/2023

2024/06096 ~ Complete ~54:SEARCH AND RESCUE DEVICE BASED ON UNMANNED AERIAL VEHICLE AND SEARCH AND RESCUE METHOD THEREFOR ~71:Yantai Nanshan University, No.12, Daxue Road, Donghai Tourist Resort, Longkou City, Yantai City, Shandong Province, 265713, People's Republic of China ~72: Haozhi WANG;Jingwen ZHOU;Yongxing ZHANG~

2024/06100 ~ Complete ~54:MEDICAMENT FOR CORRECTING FRUIT GRANULATION AND INTERNAL CRACK OF HONEY POMELOS AND PREPARATION METHOD THEREFOR ~71:Ji'an City Horticulture Field, No. 67, Xingqiao Street, Jizhou District, Ji'an City, Jiangxi Province, 343016, People's Republic of China ~72: Xiao Min;Xiao Weiming~

2024/06102 ~ Complete ~54:A MODEL FOR DETECTING APPLE LEAF DISEASE USING DEEP LEARNING ALGORITHMS ~71:Dr. Haider Mehraj, Department of Electronics and Communication Engineering, Baba Ghulam Shah Badshah University, Rajouri, J&K, 185234, India ~72: Dr. Haider Mehraj~

2024/06109 ~ Complete ~54:FAILSAFE DETONATOR ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: KRUGER, Michiel Jacobus~ 33:ZA ~31:2022/04390 ~32:20/04/2022

2024/06125 ~ Complete ~54:METHOD OF PRODUCING LIQUID HYDROCARBONS FROM A SYNGAS ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: ALLAN, Stuart William;COE, Andrew James;FOSTER (Deceased), Craig;JIANG, Cuijie;NIJEMEISLAND, Michiel~ 33:GB ~31:2204766.6 ~32:01/04/2022

2024/06135 ~ Complete ~54:STANDBY POWER CUT-OFF DEVICE ~71:KIM, Byongho, Byeoksan Beach Town, Dongsam-dong)106-702, 266,, Wachi-ro Yeongdo-gu, Busan, South Korea, 49115, Republic of Korea ~72: KIM, Byongho~ 33:KR ~31:10-2022-0006775 ~32:17/01/2022;33:KR ~31:10-2022-0161572 ~32:28/11/2022

- APPLIED ON 2024/08/12 -

2024/06161 ~ Complete ~54:ANTIVIRAL COMPOUNDS AND METHODS OF MAKING AND USING THE SAME ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, United States of America ~72: CHUN, BYOUNG-

KWON;CLARKE, MICHAEL O.;ENSAN, DEEBA;MACKMAN, RICHARD L.;NADUTHAMBI, DEVAN;SIEGEL, DUSTIN S.~ 33:US ~31:63/316,273 ~32:03/03/2022

2024/06156 ~ Complete ~54:MODULAR BRACKETS FOR BRICKLAYING PROFILE INSTALLATION ~71:GROBLER, TJAART JOHANNES, 2 Markrams Avenue, Panorama Park, South Africa ~72: GROBLER, TJAART JOHANNES~

2024/06170 ~ Complete ~54:AZASETRON FOR THE TREATMENT OF SUDDEN SENSORINEURAL HEARING LOSS ~71:SENSORION, 375 rue du Professeur Joseph Blayac, France ~72: HONNET, Géraldine;LAREDO, Judith~ 33:EP ~31:22305311.7 ~32:16/03/2022

2024/06136 ~ Provisional ~54:A NUTRITIONAL PATENT INCLUDING METHODOLOGY OF MANUFACTURING CALLED RDS-25 ~71:David Marc Calo, 14 Cowrie Terrace, La Lucia, South Africa ~72: David Marc Calo~

2024/06138 ~ Provisional ~54:SUSPENDED TENSIONED PV GROUND MOUNT SYSTEM ~71:Ian Murdoch Macdonald, 129 Anderson St., Louis Trichardt 0920, Residence, South Africa ~72: Ian Murdoch Macdonald~

2024/06144 ~ Complete ~54:METHOD FOR REINFORCING AND TESTING SHIELD SOIL IN HIGH-FILL EMBANKMENT SECTION ~71:CHONGQING RAIL TRANSIT DESIGN AND RESEARCH INSTITUTE CO.,LTD., Bldg 1, 8th Floor, Units 3, 4, 5, 6 Bldg A, No. 3, Chongqing Gaoke Fortune Park, People's Republic of China ~72: FANG, Sheng;MA, Hu;MA, Qiang;MEI, Lesheng;PAN, Weijun;PENG, Hui;WANG, Bin;YI, Yi;ZENG, Linghong;ZHANG, Rong;ZHANG, Wenyu;ZHOU, Yongfeng;ZOU, Guangjiong~ 33:CN ~31:CN202311062510.7 ~32:22/08/2023

2024/06147 ~ Complete ~54:TETRAVALENT PLATINUM OVARIAN CANCER CELL DEATH INDUCER AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DANG Liyun;FENG Qiao;GUO Yan;HU Jiyong;HU Nan;LI Guochao;SONG Yongxin;WANG Shan;ZHANG Shuaiguo~

2024/06149 ~ Complete ~54:APPARATUS AND PROCESS FOR PRE-LIQUEFACTION FLUID PROCESSING FOR IMPROVED LIQUEFACTION OPERATIONS ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Boulevard, Allentown, Pennsylvania, 18106-5500, United States of America ~72: DAVID M ESPIE;GOWRI KRISHNAMURTHY;PRATIK MISRA~ 33:US ~31:18/234,620 ~32:16/08/2023

2024/06158 ~ Complete ~54:A KIND OF GREEN ASSEMBLY BUILDING WALL INSTALLATION AUXILIARY EQUIPMENT ~71:Wuhu Institute of Technology, 201 Wenjin West Road, Yijiang District, Wuhu, Anhui, 241003, People's Republic of China ~72: JIANG Weijun;LU Yufen;PENG Pei;ZHUANG Huaxia~

2024/06166 ~ Complete ~54:MOLD CASTING SURFACE COOLING ~71:WAGSTAFF, INC., 3910 N. Flora Rd., Spokane Valley, Washington, 99216, United States of America ~72: CRAIG CORDILL;NICHOLAS SHABER~ 33:US ~31:17/651,708 ~32:18/02/2022

2024/06142 ~ Complete ~54:OPTIMIZATION METHOD FOR BLASTING DESIGN PARAMETERS BASED ON AN IMPROVED CNN ~71:CHINA ROAD & BRIDGE CORPORATION, No.88, Anding Menwai Street, Dongcheng District, Beijing, 100000, People's Republic of China;Xi 'an University of Architecture and Technology, No.13 Yanta Road, Beilin District, Xi 'an, Shaanxi Province, 710055, People's Republic of China ~72: Cong CHEN;Huace TAO;Huixing LI;Jiannan ZHANG;Jiefeng ZHANG;Jing ZHANG;Ping ZHOU;Ruiping MA;Tao CHEN;Xu LI;Zhanping SONG~ 33:CN ~31:2023117752207 ~32:22/12/2023

2024/06155 ~ Complete ~54:APPLICATION OF COUMESTROL IN PREPARING MEDICINES FOR TREATING OLIGOASTHENOZOOSPERMIA OR IMPROVING REPRODUCTIVE SYSTEM DAMAGE ~71:NORTHEAST AGRICULTURAL UNIVERSITY, COLLEGE OF VETERINARY MEDICINE, NORTHEAST AGRICULTURAL UNIVERSITY, 600 CHANGJIANG ROAD, People's Republic of China ~72: CHEN, Long;ELIPHAZ, Nsabimana;LI, Shunda;LI, Yanhua;QU, Qianwei;WANG, Haoran;YAN, Mengshi;ZHANG, Yu~

2024/06169 ~ Complete ~54:PIPERAZINO RING-CONTAINING DERIVATIVE, PHARMACEUTICALLY ACCEPTABLE SALT THEREOF, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF ~71:ACERAND THERAPEUTICS (HONG KONG) LIMITED, Flat/Room 1501-05, 15/F, FWD Financial Centre, People's Republic of China ~72: KANG, Kai;LI, Manhua;LI, Wenming;LIU, Kun Chin;WEI, Yi;YUAN, Hongbin;ZHOU, Guoqiang~ 33:CN ~31:202210039229.0 ~32:13/01/2022;33:CN ~31:202210640587.7 ~32:07/06/2022;33:CN ~31:202211742481.4 ~32:30/12/2022

2024/06173 ~ Complete ~54:MARKERS ASSOCIATED WITH SPONTANEOUS CHROMOSOME DOUBLING ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BREITINGER, Becky Welsh;DELZER, Brent;EGGER, Rachel Louise;PERUMAL, Azhaguvel;YA, Zhang~ 33:IB ~31:2022/077351 ~32:23/02/2022

2024/06174 ~ Complete ~54:APPARATUS AND METHODS FOR INSTALLATION AND REMOVAL OF CATALYST CARRIERS ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: CLAXTON, Henry Arthur~ 33:GB ~31:2202226.3 ~32:18/02/2022

2024/06176 ~ Complete ~54:5-FLUORO-4-IMINO-3-METHYL-1-TOSYL-3,4-DIHYDROPYRIMIDIN-2(1H)-ONE FOR CONTROLLING PLANT DISEASES ~71:Adama Makhteshim Ltd., P. O. BOX 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: ROSENMUND, Alexandra~ 33:US ~31:63/142,447 ~32:27/01/2021;33:US ~31:63/298,901 ~32:12/01/2022

2024/06153 ~ Complete ~54:SANDING DEVICE AND SANDING METHOD FOR CASTINGS ~71:SUICHANG JINLEI MACHINERY CASTING CO., LTD, Maotian Block, Industrial Park, Suichang County, People's Republic of China ~72: FANG, Jianbing;LEI, Xiaojun;PAN, Yangyan;WU, Rongfa~

2024/06157 ~ Complete ~54:CAP FOR A LIQUID CONTAINER ~71:DESARROLLOS TAMARIT PLAZA SL, Avda. Sierra Calderona 41, Spain ~72: TAMARIT RIOS, Ramón~ 33:WO ~31:PCT/ES2022/070070 ~32:11/02/2022

2024/06171 ~ Complete ~54:COMPOSITION ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: DE TOLLENAERE, Morgane;REYNAUD, Romain;SCANDOLERA, Amandine~ 33:GB ~31:2200421.2 ~32:13/01/2022;33:GB ~31:2213932.3 ~32:23/09/2022

2024/06211 ~ Provisional ~54:MULTI FIN STRIKE INDICATOR ~71:Craig Furness, 5 Suni Nook, South Africa ~72: Criag Furness~

2024/06137 ~ Provisional ~54:SYSTEM AND METHOD FOR ADAPTIVE USER-DRIVEN OPTIMISATION OF MOBILE INFORMATION AND DATA TRANSACTION PARAMETERS ~71:Matimba Shiviti, 1135 Francis Beard St., South Africa ~72: Matimba Shiviti~

2024/06159 ~ Complete ~54:SOLAR ENERGY COLLECTOR ~71:SUNDRACO POWER INC., 11518 - 77 Avenue NW, Canada ~72: DE CHAZAL, Robert~ 33:US ~31:63/299,770 ~32:14/01/2022;33:US ~31:63/408,298 ~32:20/09/2022

2024/06140 ~ Complete ~54:MICRO DC RESISTIVITY 3D INVERSION IMAGING METHOD FOR DYNAMIC DAMAGE MONITORING OF ROCK AND SOIL ~71:China University of Mining and Technology, nanjiaozhaishan, Xuzhou City, Jiangsu Province, 220005, People's Republic of China ~72: HUANG, Maolin;LI, Beibei;QIAN, Meiqi;SU, Benyu;SUN,Tongyi;TAN, Dengpan;TANG, Yu;YU, Jingcun~ 33:CN ~31:CN202311643693.1 ~32:04/12/2023

2024/06146 ~ Complete ~54:A VIDEO CLASSIFICATION METHOD BASED ON SPATIOTEMPORAL ATTENTION ~71:Zhejiang University of Science and Technology, No. 318, Liuhe Road, Hangzhou, People's Republic of China ~72: CHOMPOONUT UPPATHAM;Ding Weiqin;Han Xiaolong;MARTAMULIA VELIA;Shi Wenbin;Song Wei;Yang Shengying;Zhao Dandan~

2024/06150 ~ Complete ~54:METHOD AND SYSTEM FOR EMERGENCY BACKUP POWER ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Boulevard, Allentown, Pennsylvania, 18106-5500, United States of America ~72: DAVID HUGHES;FRIEDER ENDREJAT;SAMUEL JONATHAN WHEELER~ 33:US ~31:63/532,735 ~32:15/08/2023

2024/06152 ~ Complete ~54:MAKING PROCESS OF SHOE MIDSOLE ~71:ZHEJIANG LIKANG SHOES MATERIAL CO., LTD., Yunfeng Maotian Block, Dongcheng Industrial Park, Suichang, People's Republic of China ~72: HUANG, Huafeng;JIN, Shenghua;WANG, Liang~

2024/06160 ~ Complete ~54:COMPONENTS FOR DRINKING WATER PIPES, AND METHOD FOR MANUFACTURING SAME ~71:CONEX IPR LIMITED, GLOBAL HOUSE, 95 VANTAGE POINT, THE PENNETT ESTATE, KINGSWINFORD DY67FT, UNITED KINGDOM, United Kingdom ~72: SALEHI BAKHTIARI, Manouchehr;SZKLAREK, Mateusz;WOLINSKI, Slawomir~ 33:GB ~31:2200575.5 ~32:18/01/2022

2024/06164 ~ Complete ~54:ANTIBODY-CONJUGATED 8-SULFONYL-BENZAZEPINE COMPOUNDS AND THEIR USES ~71:BOLT BIOTHERAPEUTICS, INC., 900 Chesapeake Drive, Redwood City, California, 94063, United States of America ~72: BRIAN SAFINA;GANAPATHY SARMA;MICHAEL N ALONSO;ROMAS KUDIRKA;SHELLEY ERIN ACKERMAN~ 33:US ~31:63/308,275 ~32:09/02/2022

2024/06151 ~ Complete ~54:AN ADAPTIVE ENVIRONMENTAL BRIGHTNESS IMAGE RECOGNITION SYSTEM BASED ON EMBEDDED SYSTEM ~71:Chen Yixuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Li Yuxuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Xuan Zhang, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China ~72: Chen Yixuan;Li Yuxuan;Xuan Zhang~

2024/06154 ~ Complete ~54:APPLICATION OF CHLOROGENIC ACID IN PREPARING MEDICINES FOR TREATING OLIGOASTHENOZOOSPERMIA OR IMPROVING REPRODUCTIVE SYSTEM DAMAGE ~71:NORTHEAST AGRICULTURAL UNIVERSITY, COLLEGE OF VETERINARY MEDICINE, NORTHEAST AGRICULTURAL UNIVERSITY, 600 CHANGJIANG ROAD, People's Republic of China ~72: CHEN, Long;ELIPHAZ, Nsabimana;LI, Shunda;LI, Yanhua;QU, Qianwei;WANG, Haoran;YAN, Mengshi;ZHANG, Yu~

2024/06162 ~ Complete ~54:RUGGEDIZED SENSOR DEVICES WITH DECREASED LIGHT SCATTER AND ASSOCIATED SYSTEMS AND METHODS ~71:MINSENSE TECHNOLOGIES LTD., 8508 Ash Street, Vancouver, British Columbia, V6P 3M2, Canada ~72: DANIEL THOMSSON;DIVYESH RANA;MANIKARAN SINGH~ 33:US ~31:63/305,874 ~32:02/02/2022

2024/06168 ~ Complete ~54:ANTI-IL-13RA2 MONOCLONAL ANTIBODIES AND USES THEREOF ~71:LANOVA MEDICINES DEVELOPMENT CO., LTD., No. 177, Group 6, Rennan Vil-lage, Kangqiao Town, Pudong New

Area, People's Republic of China ~72: HUANG, WENTAO;LI, RUNSHENG;LI, YIFAN;LIO, JIE;LIU, ZHIFANG~
33:CN ~31:PCT/CN2022/076606 ~32:17/02/2022

2024/06139 ~ Complete ~54:AN AUTOMATIC SORTING DEVICE FOR RECYCLING OF USED LITHIUM BATTERIES ~71:Zhejiang Technical Institute of Economics, No. 66 Xuezheng Street, Baiyang Street, Qiantang District, Hangzhou City, Zhejiang Province, People's Republic of China ~72: JIANJUN XU;TENGFEI XIANG;WEIYUE ZHAO;YOUMING WANG~

2024/06141 ~ Complete ~54:HIGH PRESSURE JET BOOSTER VERTICAL AXIS WIND POWER GENERATION DEVICE AND METHODS OF HIGH PRESSURE CONTROL ~71:Shaanxi Kerlimar Engineers Co., Ltd., Room 2707, Building C, Daduhui, Keji Road, Yanta District, Xi'an City, Shaanxi Province, 710000, People's Republic of China ~72: SUN, Ming~ 33:CN ~31:202311270305.X ~32:28/09/2023

2024/06143 ~ Complete ~54:INTELLIGENT MONITORING INCUBATOR FOR NEWBORNS AND INTELLIGENT MONITORING METHOD ~71:Affiliated Women's Hospital of Jiangnan University, No. 48 Huaishu Lane, Liangxi District, Wuxi, Jiangsu Province, People's Republic of China ~72: JIANG Shanyu;LI Ping;QIAN Weilin;YU Renqiang~

2024/06145 ~ Complete ~54:AN INTERACTIVE EXPERIENCE SYSTEM COMBINING AR TECHNOLOGY AND 3D MODELING ~71:Chen Yixuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Li Yuxuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Xuan Zhang, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China ~72: Chen Yixuan;Li Yuxuan;Xuan Zhang~

2024/06148 ~ Complete ~54:APPARATUS AND PROCESS FOR PRE-LIQUEFACTION FLUID PROCESSING FOR IMPROVED LIQUEFACTION OPERATIONS ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Boulevard, Allentown, Pennsylvania, 18106-5500, United States of America ~72: DAVID M ESPIE;GOWRI KRISHNAMURTHY;PRATIK MISRA~ 33:US ~31:18/234,594 ~32:16/08/2023

2024/06165 ~ Complete ~54:A SOLID HARD SURFACE CLEANING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: HEJIAN JIANG;JIAYU ZHAO;JUN SHEN;MINHUA ZHANG;YANCHAO CHEN~ 33:CN ~31:PCT/CN2022/082349 ~32:22/03/2022;33:EP ~31:22170798.7 ~32:29/04/2022

2024/06172 ~ Complete ~54:METHODS OF PREPARING HIGH CONCENTRATION LIQUID DRUG SUBSTANCES ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: CHAMARTHY, Sai Prasanth;MCAULEY, Arnold;SAHU, Swagat;SAWANT, Namita~ 33:US ~31:63/313,840 ~32:25/02/2022

2024/06167 ~ Complete ~54:CONTINUOUS PROCESS FOR THE OXIDATIVE LEACHING OF NICKEL ~71:UMICORE, Rue du Marais 31, 1000, Brussels, Belgium ~72: BART KLAASEN;MARJON WILLEKENS~ 33:EP ~31:22159893.1 ~32:03/03/2022

2024/06175 ~ Complete ~54:VEGF AND TIE2-BINDING FUSION PROTEIN AND USES THEREOF ~71:INGENIA Therapeutics Inc., Innovation Center Biolabs, 2nd Fl., 650 East Kendall St., CAMBRIDGE 02142, MA, USA, United States of America ~72: CHOO, Minkyung;DUROST, Philip;HAN, Sangyeul;KIM, Kwangsoo~ 33:US ~31:63/299,177 ~32:13/01/2022;33:US ~31:63/310,359 ~32:15/02/2022;33:US ~31:63/335,805 ~32:28/04/2022

2024/06212 ~ Provisional ~54:ARTIFICIAL INTELLIGENT SMARTWATCH AND WIRELESS EARPHONES
~71:AHMED WASEEF SAIB, 24 park avenue desainagar, South Africa ~72: AHMED WASEEF SAIB~

2024/06163 ~ Complete ~54:MOTOR DRIVING SYSTEM AND CONTROL METHOD FOR INVERTER DEVICE
~71:TMEIC CORPORATION, 3-1-1 Kyobashi, Chuo-ku, Tokyo, 104-0031, Japan ~72: SHUZO IKEDA~

- APPLIED ON 2024/08/13 -

2024/06194 ~ Complete ~54:BAG SEALING SYSTEMS, METHODS AND APPARATUS ~71:SUZOHAPP, INC.,
1475 E Woodfield Road, Suite 104, United States of America ~72: DOMINICIS, Ian De;MCNAIR,
David;MOERGENTHALER, Tim Patrick;NICOLAS, Pierre;SCOTT, Clare Emily;TENNEY, Robert Bruce~ 33:US
~31:17/901,233 ~32:01/09/2022

2024/06180 ~ Provisional ~54:ENTOMOPATHOGENIC FUNGI FOR BIOLOGICAL CONTROL OF INSECT
PESTS ~71:AGRICULTURAL RESEARCH COUNCIL, 1134 Park Street Hatfield, Pretoria, 0083, South Africa
~72: A JACOBS-VENTER;GRACE THIAMBI KWINDA;ISABELLA HENDRIEKA RONG;ROBERT
NOFEMELA;ROGER PRICE;SAMUEL MOSIANE MORAKE~

2024/06182 ~ Complete ~54:GARDEN WATER-SAVING IRRIGATION DEVICE ~71:Jinling Institute of
Technology, No. 99 Hongjing Avenue, Jiangning District, Nanjing City, Jiangsu Province, 211169, People's
Republic of China ~72: ZHANG, Min~

2024/06193 ~ Complete ~54:A NETWORK SECURITY MONITORING DEVICE ~71:Wenzhou Institute of
Technology, Wenzhou National University Science Park Incubator, No.38 Dongfang South Road, Ouhai District,
Wenzhou City, People's Republic of China ~72: Gao Zhouyi;Weng Zhengqiu;Zheng Xiangyang;Zheng Yun;Zhu
Tiantian~

2024/06202 ~ Complete ~54:WATER-WASHED RECYCLE PYROLYSIS OIL FOR CRACKER FEED
~71:EXXONMOBIL CHEMICAL PATENTS INC., 5200 Bayway Drive, United States of America;PLASTIC
ENERGY LIMITED, 65 Carter Lane, United Kingdom ~72: HARGREAVES, George;JOHNSON, Brittney A.;LAKE,
Andrew;MCNAMARA, David;ROUGEAU, Jennifer L.;WEBER, Michael W.~ 33:US ~31:63/301,085
~32:20/01/2022

2024/06187 ~ Complete ~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~

2024/06196 ~ Complete ~54:CRF2 RECEPTOR AGONISTS AND THEIR USE IN THERAPY ~71:CORTERIA
PHARMACEUTICALS, 128 rue la Boétie, France ~72: BIANCHI, Elisabetta;JANIAK, Philip;OZOUX, Marie-
Laure;ROVERSI, Daniela;SANTOPRETE, Alessia;TRIPEPI, Martina~ 33:EP ~31:22158188.7 ~32:23/02/2022

2024/06184 ~ Complete ~54:A REMOTE SENSING SURVEYING AND MAPPING GEOGRAPHIC
INFORMATION DATA ACQUISITION TOOL ~71:Chuzhou University, No.1 Huifeng West Road, Nanqiao District,
Chuzhou City, Anhui Province, People's Republic of China ~72: Dai Yifeng;Jiang Ling;Liu Wei;Qi Xiaorui;Wang
Zongfei~

2024/06190 ~ Complete ~54:RAPID DETECTION DEVICE FOR PESTICIDE RESIDUES IN AGRICULTURAL
PRODUCTS ~71:Taizhou University, No. 93, Jichuan East Road, Hailing District, Taizhou City, Jiangsu Province,
225300, People's Republic of China ~72: Cao Jian;Fu Huansen;Li Fei;Li Yanlin;Miao Xinghua;Xia Huafeng;Xing
Xiaoyang;Xu Sheng;Zhang Yifei;Zhou Cheng;Zhu Yong~

2024/06201 ~ Complete ~54:ENERGY CURABLE INKJET INKS FOR CONTAINER DECORATION ~71:INX
International Ink Co., 150 North Martingale Road, Suite 700, SCHAUMBURG 60173, IL, USA, United States of

America ~72: BENNETT, Jamie;GRAUNKE, Jonathan B.;INTAWIWAT, Borpit;LIU, Xiang Jun~ 33:US
~31:63/309,931 ~32:14/02/2022

2024/06177 ~ 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~

2024/06181 ~ Provisional ~54:SYSTEM AND METHOD FOR PROVIDING A DIGITAL TRANSACTION
CHANNEL ~71:CHANNEL TECHNOLOGIES FZE, Jebel Ali Free Zone, Office number FZJOA1813, United Arab
Emirates ~72: CHATZISTAMATIOU, Antonios~

2024/06200 ~ Complete ~54:TONNEAU COVER FEATURES ~71:Leer Group, 28858 Ventura Drive, ELKHART
46517, IN, USA, United States of America ~72: DYLEWSKI II, Eugene A.~ 33:US ~31:63/309,791
~32:14/02/2022;33:US ~31:63/313,464 ~32:24/02/2022;33:US ~31:18/167,427 ~32:10/02/2023

2024/06214 ~ Provisional ~54:A PET IDENTIFICATION, REGISTRATION, AND MANAGEMENT SYSTEM AND
A METHOD FOR IDENTIFYING, REGISTERING, AND MANAGING PETS ~71:Rajoo; Raman Munsami, 53
Margaret Street, Blackheath, South Africa ~72: Rajoo; Raman Munsami~

2024/06178 ~ Provisional ~54:MGABADELI MASTER HERB ~71:Fannie Jeremiah, 295 Ekulindeni, South Africa
~72: Fannie Jeremiah~

2024/06186 ~ Complete ~54:REPORT FOLDER BASED ON SELF-GENERATED STICKY NOTES FOR
MANAGEMENT ~71:Wuhan Polytechnic University, No. 68 Xuefu South Road, Changqing Garden, Hankou,
Wuhan City, Hubei Province, People's Republic of China ~72: GAO Yan;WEN Xianpu;XIONG Kai~

2024/06198 ~ Complete ~54:ROD AND CASING HANDLER ~71:TEI Rock Drills, Inc., P.O. Box 1309,
MONTROSE 81402, CO, USA, United States of America ~72: KLEIN, Brison;PATTERSON, William N.~ 33:US
~31:63/312,345 ~32:21/02/2022

2024/06207 ~ Complete ~54:DEPLETION PROBES ~71:WATCHMAKER GENOMICS, INC., 5744 Central Ave.,
Suite 100, Boulder, Colorado, 80301, United States of America ~72: BRIAN A KUDLOW;MARTIN RANIK;TRAVIS
J SANDERS~ 33:US ~31:63/315,131 ~32:01/03/2022

2024/06195 ~ Complete ~54:AI-BASED EXAMINATION ROOM MONITORING SYSTEM ~71:HEBEI CHEMICAL
AND PHARMACEUTICAL COLLEGE, No. 88 Fangxing Road, Yuhua District, Shijiazhuang, Hebei, 050026,
People's Republic of China ~72: LIU, Chenguang~

2024/06206 ~ Complete ~54:ENGINEERED CD47 PROTEINS AND USES THEREOF ~71:SANA
BIOTECHNOLOGY, INC., 188 East Blaine Street, Suite 400, Seattle, Washington, 98102, United States of
America ~72: ADAM JAMES JOHNSON;NATHAN HILTON KIPNISS;WILLIAM DOWDLE~ 33:US
~31:63/311,143 ~32:17/02/2022

2024/06185 ~ Complete ~54:GUIDING DEVICE FOR CULTURAL TOURISM ~71:Wuhan Polytechnic University,
No. 68 Xuefu South Road, Changqing Garden, Hankou, Wuhan City, Hubei Province, People's Republic of China
~72: GUO Tiantian;HU Canwei;HUANG Meng;JING Qi;JING Yaxin;LI Juan;LI Pingqian;PENG Yan;ZHANG
Linxia;ZHANG Tianyi~

2024/06189 ~ Complete ~54:GENE VVAGL62 FOR REGULATING AND CONTROLLING DEVELOPMENT OF
GRAPE FRUITS, AND APPLICATION THEREOF ~71:Institute of Horticultural Crops, Xinjiang Academy of
Agricultural Sciences, No. 403, Nanchang Road, Shayibake District, Urumqi City, Xinjiang Province, People's
Republic of China ~72: Cai Lu;Wu Xinyu;Zhang Fuchun;Zhang Songlin;Zhong Haixia;Zhou Xiaoming~

2024/06197 ~ Complete ~54:CONSTRUCTION METHOD FOR QUICK-RELEASE CURVED SUPERIMPOSED BEAM FLANGE PLATE FRAMEWORK STRUCTURE ~71:China Railway 15th Bureau Group Corporation Limited, Sun Dandan No. 666, Gonghexin Rd, Jing'an District, SHANGHAI 200070, CHINA (P.R.C.), People's Republic of China ~72: CAO, Zhenjie;HUANG, Changfu;HUANG, Wei;LI, Hongwei;SUN, Dandan~ 33:CN ~31:202210136925.3 ~32:15/02/2022

2024/06204 ~ Complete ~54:METHOD FOR CONTROLLING HARMFUL ARTHROPODS OR HARMFUL NEMATODES USING ZOANTHAMINE ANALOG ~71:SUMITOMO CHEMICAL COMPANY, LIMITED, 2-7-1, Nihonbashi, Chuo-ku, Tokyo 103-6020, Japan ~72: CHIEMI IWATA;HIROTO OBATA;SHUHEI AZUMA~ 33:JP ~31:2022-032312 ~32:03/03/2022;33:JP ~31:2022-133984 ~32:25/08/2022

2024/06208 ~ Complete ~54:BRASSICA OLERACEA PLANTS RESISTANT TO DIAMONDBACK MOTH ~71:BEJO ZADEN B.V., Trambaan 1, 1749, CZ Warmenhuizen, Netherlands ~72: ALBERTUS JOHANNES MARIA SCHRIJVER;HUBERTUS THEODORUS MARIA JANSSEN;JOHANNES GERARDUS MARIA HOOGLAND;JOHANNES THEODORUS WILHELMUS LIGTHART;MIRANDA RUITER;ROELOF MARINUS VEENSTRA~ 33:EP ~31:PCT/EP2022/055009 ~32:28/02/2022

2024/06213 ~ Provisional ~54:A PET IDENTIFICATION, REGISTRATION, AND MANAGEMENT SYSTEM AND A METHOD FOR IDENTIFYING, REGISTERING, AND MANAGING PETS ~71:Rajoo; Raman Munsami, 53 Margaret Street, Blackheath, South Africa ~72: Rajoo; Raman Munsami~

2024/06188 ~ Complete ~54:ORGANIC SELENIUM PREPARATION DEVICE FOR INHIBITING CANCER CELL PROLIFERATION AND REPAIRING DAMAGED BODY TISSUE CELLS ~71:Zhaoqing Tianying Biotechnology Co., Ltd., No.1, Huangtang East Road, Duanzhou District, Zhaoqing City, Guangdong Province, 526040, People's Republic of China ~72: Meiqing Liang;Yongquan Liang;Zhuguang He~ 33:CN ~31:202410311628.7 ~32:19/03/2024

2024/06203 ~ Complete ~54:PROTOPORPHYRINOGEN OXIDASE INHIBITORS ~71:ENKO CHEM, INC., 62 Maritime Drive, Mystic, Connecticut, 06355, United States of America ~72: DAVID JEFFREY LAUFFER;NEVILLE JOHN ANTHONY;PAUL GALATSI;PETER STCHUR III~ 33:US ~31:63/299,866 ~32:14/01/2022

2024/06179 ~ Provisional ~54:MATERIAL EROSION DETECTION ~71:Simera Africa Pty Ltd, Old Paardevlei Road, South Africa ~72: KEVIN O'NEILL;Nicolas Lategan~

2024/06183 ~ Complete ~54:A NEW TYPE OF ANTERIOR CAPSULE MEMBRANE TEARING DEVICE ~71:QuZhou People's Hospital (The Central Hospital Of Qu Zhou), No. 100, Minjiang Avenue, Kecheng District, Quzhou City, Zhejiang Province, People's Republic of China ~72: Feng Chunyun;Guan Rijian;Tong Yuhua~

2024/06191 ~ Complete ~54:DEVICE FOR PREPARATION OF ANESTHETIC MIXED DRUGS FOR NERVE BLOCK ~71:Chengdu Fifth People's Hospital, No. 33, Mashi Street, Wenjiang District, Chengdu City, Sichuan Province, 611130, People's Republic of China ~72: Bi Yan;Li Juan~

2024/06205 ~ Complete ~54:METHODS AND COMPOSITIONS FOR DRUG RESISTANCE SCREENING ~71:OXFORD NANOPORE TECHNOLOGIES PLC, Gosling Building, Edmund Halley Road, Oxford Science Park, Oxford, Oxfordshire, OX4 4DQ, United Kingdom;QUADRAM INSTITUTE BIOSCIENCE, Rosalind Franklin Road, Norwich Research Park, Norwich, Norfolk, NR4 7UQ, United Kingdom ~72: ALP AYDIN;GEMMA LOUISE KAY;JUSTIN JOSEPH O'GRADY~ 33:GB ~31:2203218.9 ~32:08/03/2022

2024/06209 ~ Complete ~54:SEED TREATMENT FOR SAFENING WHEAT TO CHLOROACETAMIDE HERBICIDES ~71:THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, 2404 North University

Avenue Little Rock, AR 72207, United States of America ~72: NORSWORTHY, Jason, K.~ 33:US
~31:63/305,118 ~32:31/01/2022

2024/06192 ~ Complete ~54:SEALED AND SILENT VALVE FOR THE PRESSURE REGULATION SYSTEM OF
A VEHICLE TIRE ~71:TELEFLOW SAS, Eco Parc d'Activités de Bonvert, France ~72: PLUMEJEAU,
Baptiste;WALI, Nizar~ 33:FR ~31:2309161 ~32:31/08/2023

2024/06199 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING ANTI-TIGIT ANTIBODY AND
ANTI-PD-1-ANTI-VEGFA BISPECIFIC ANTIBODY, AND USE ~71:Akeso Biopharma, Inc., 6 Shennong Road,
Torch Development Zone, ZHONGSHAN 528437, GUANGDONG, CHINA (P.R.C.), People's Republic of China
~72: LI, Baiyong;WANG, Zhongmin;XIA, Yu~ 33:CN ~31:202210132762.1 ~32:14/02/2022

- APPLIED ON 2024/08/14 -

2024/06249 ~ Provisional ~54:SMARTLAMP CHARGING RACK SYSTEM ~71:Marco Cronje, 15 St Douglas,
Cocoa Close, South Africa ~72: Marius Cronje~

2024/06217 ~ Provisional ~54:E-HAILING TRANSPORT SERVICE USING MOTORCYCLES AND TRAILER FOR
PASSENGER LUGGAGE ~71:SIKHUMBUZO SIMPHIWE MNISI, 7380 SISULU STREET, South Africa ~72:
SIKHUMBUZO SIMPHIWE MNISI~

2024/06219 ~ Complete ~54:DISTRIBUTED CHANNEL ALLOCATION CONTROL METHOD FOR MOBILE AD
HOC NETWORK ~71:Chizhou University, Chizhou University, Education Park, Chizhou City, Anhui Province,
247000, People's Republic of China ~72: LIU, Chuanyang;LIU, Jingjing~

2024/06228 ~ Complete ~54:LOW PRESSURE GEAR PUMP ~71:CATERPILLAR INC., 100 NE Adams Street -
AB6450, United States of America ~72: ENGLISH, Paul R.;MORK, David A.~ 33:US ~31:17/672,906
~32:16/02/2022

2024/06232 ~ Complete ~54:PLANT BASED FORMULATION FOR FAST PAIN RELIEF AND PREPARATION
METHOD ~71:ARJUNA NATURAL PRIVATE LIMITED, P.B. No. 126, Bank Road, Aluva, Kerala, 683101, India
~72: ANTONY, Benny~ 33:IN ~31:202241008177 ~32:16/02/2022

2024/06239 ~ Complete ~54:SECURE REMOTE OPERATION OF A WEAPONS SYSTEM ~71:John Cockerill
Defense SA, Rue Alfred Deponthière, 44, ANS 4431, BELGIUM, Belgium ~72: AUBRY, Yohann;PISANE,
Jonathan~ 33:EP ~31:22158756.1 ~32:25/02/2022

2024/06244 ~ Complete ~54:DENGUE VACCINE BATCH MIXING PROCESS ~71:Takeda Vaccines, Inc., 75
Sidney Street, CAMBRIDGE 02139, MA, USA, United States of America ~72: BRONSON, Sean;SHOEMAKER,
Scott~ 33:US ~31:63/310,437 ~32:15/02/2022;33:EP ~31:22163647.5 ~32:22/03/2022

2024/06230 ~ Complete ~54:A SOLID CLEANSING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port
Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANINDYA DASGUPTA;MAYA TREESA
SAJI;SAMEER KESHAV BARNE~ 33:EP ~31:22162397.8 ~32:16/03/2022

2024/06238 ~ Complete ~54:GAMMA-HYDROXYBUTYRATE DELIVERING COMPOUNDS AND PROCESSES
FOR MAKING AND USING THEM ~71:Zevra Therapeutics, Inc., 1180 Celebration Boulevard, Suite 103,
CELEBRATION 34747, FL, USA, United States of America ~72: BERA, Sanjib;DANA, Dibyendu;GUENTHER,
Sven;MICKLE, Travis;SMITH, Adam~ 33:US ~31:63/333,391 ~32:21/04/2022

2024/06247 ~ Complete ~54:1,3-DISUBSTITUTED INDOLE DERIVATIVE AS HYALURONIDASE INHIBITOR
AND USE THEREOF IN COSMETIC PRODUCT ~71:QINGYAN BOSHI HEALTH MANAGEMENT CO., LTD.,

Room 1201 - 12005, 12th Floor, Building 1, Nongguang Nanli, Chaoyang District, People's Republic of China ~72: JIANG, Yanfei~ 33:CN ~31:202210130214.5 ~32:11/02/2022

2024/06226 ~ Complete ~54:DUAL FUEL ENGINE SYSTEM ~71:SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, HR The Hague, Netherlands ~72: CRACKNELL, Roger Francis;RASHIDMANESH, Karim~ 33:EP ~31:22162833.2 ~32:17/03/2022

2024/06231 ~ Complete ~54:ANTI-CD28 X ANTI-PSMA ANTIBODIES ~71:JANSSEN BIOTECH, INC., 800/850 Ridgeview Drive, Horsham, Pennsylvania, 19044, United States of America;XENCOR, INC., 465 North Halstead Street, Suite 200, Pasadena, California 91107, United States of America ~72: ADAM ZWOLAK;FEI SHEN;FOUAD MOUSSA;GREGORY MOORE;JOHN R DESJARLAIS;JOSEPH ERHARDT;JUAN DIAZ;MATTHEW ADAM DRAGOVICH;MICHAEL HEDVAT;PANKAJ SETH;THERESA MCDEVITT;VERONICA GUSTI ZENG~ 33:US ~31:63/313,233 ~32:23/02/2022

2024/06221 ~ Complete ~54:MEDICAL HEATING BLANKET ~71:SHUNDE WOMEN AND CHILDREN'S HOSPITAL OF GUANGDONG MEDICAL UNIVERSITY (MATERNITY & CHILD HEALTHCARE HOSPITAL OF SHUNDE FOSHAN), NO. 3 DALIANG HEALTH ROAD, People's Republic of China ~72: SHENGJIE, Chen~

2024/06223 ~ Complete ~54:GEOMETRIC PROFILE FOR IMPROVED MANUFACTURABILITY OF A GROUND ENGAGING TOOL ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: MCCAFFREY, Brandon Hammig~ 33:US ~31:17/671,867 ~32:15/02/2022

2024/06229 ~ Complete ~54:INDAZOLE COMPOUND AND PHARMACEUTICAL USE THEREOF ~71:JAPAN TOBACCO INC., 1-1, Toranomom 4-chome, Minato-ku, Tokyo, 105-6927, Japan ~72: HIROTSUGU ITO;KEISUKE ITO;KOJI MATSUMURA;MASAKI TAKAGI;YUKI NAGAMOTO;YUKI OYAMA~ 33:JP ~31:2022-029771 ~32:28/02/2022;33:JP ~31:2022-185318 ~32:18/11/2022

2024/06240 ~ Complete ~54:GAMMA-HYDROXYBUTYRATE DELIVERING COMPOUNDS AND PROCESSES FOR MAKING AND USING THEM ~71:Zevra Therapeutics, Inc., 1180 Celebration Boulevard, Suite 103, CELEBRATION 34747, FL, USA, United States of America ~72: BERA, Sanjib;DANA, Dibyendu;GUENTHER, Sven;MICKLE, Travis;SMITH, Adam~ 33:US ~31:63/333,391 ~32:21/04/2022

2024/06245 ~ Complete ~54:SYSTEM, IMPLANT, AND METHODS FOR ARTHROPLASTY ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: BONO, Frank S.;DOGUÉ, Joseph~ 33:US ~31:63/300,444 ~32:18/01/2022

2024/06222 ~ Complete ~54:MULTIFUNCTIONAL ROCK TEST SYSTEM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China;Key Laboratory of Impact and Safety Engineering (Ningbo University), No. 818 Fenghua Road, Jiangbei District, Ningbo City, Zhejiang Province, 315211, People's Republic of China ~72: GUO, Lulu;JIA, Senchun;LI, Shuai;YUAN, Yanzhao;ZHANG, Shuo;ZHENG, Chao;ZHENG, Yuxuan~

2024/06242 ~ Complete ~54:METHODS AND COMPOSITIONS FOR SHORT STATURE PLANTS THROUGH MANIPULATION OF GIBBERELLIN METABOLISM TO INCREASE HARVESTABLE YIELD ~71:Monsanto Technology LLC, 800 North Lindbergh Blvd., SAINT. LOUIS 63167, MO, USA, United States of America ~72: PACIOREK, Tomasz;SLEWINSKI, Thomas~ 33:US ~31:63/312,703 ~32:22/02/2022

2024/06241 ~ Complete ~54:TETRAHYDROPYRANOPYRAZOLE DERIVATIVES FOR THE TREATMENT OF CANCER AND VIRAL INFECTIONS ~71:Genase Therapeutics B.V., Kloosterstraat 9, OSS 5349 AB, THE NETHERLANDS, Netherlands ~72: BARF, Tjeerd;BENGTSSON, Christoffer;LAIN, Sonia;SANDBERG, Lars;YNGVE, Ulrika~ 33:EP ~31:22153611.3 ~32:27/01/2022

2024/06246 ~ Complete ~54:P-PHENYLCYCLOBUTANAMIDE ROSEMARY COMPOUND AS HYALURONIDASE INHIBITOR AND APPLICATION THEREOF IN BEAUTY PRODUCT ~71:QINGYAN BOSHI HEALTH MANAGEMENT CO., LTD., Room 1201 - 12005, 12th Floor, Building 1, Nongguang Nanli, Chaoyang District, People's Republic of China ~72: JIANG, Yanfei~ 33:CN ~31:202210130260.5 ~32:11/02/2022

2024/06215 ~ Provisional ~54:RDS A MILK POWDER FORMULA AND MANUFACTURING PROCESS FOR CHOCOLATE ~71:David Mark Calo, 14 Cowrie Terrace, La Lucia, South Africa ~72: DM Calo~

2024/06227 ~ Complete ~54:FREE STANDING FILM ~71:DOW SILICONES CORPORATION, 2200 West Salzburg Road, United States of America ~72: CREUTZ, Serge;NAD, Saugata;SIMON, Christel~ 33:US ~31:63/310,668 ~32:16/02/2022

2024/06216 ~ Provisional ~54:A METHOD OF USING HOLOGRAPHIC FANS FOR ADVERTISING PURPOSES ~71:DEMIURGIC (PTY) LTD, 1259 DRIEZIEK 4, South Africa ~72: RIPFALO PEACE HLUNGWANI~

2024/06220 ~ Complete ~54:SEA GRAPE CULTURE DEVICE ~71:Yangjiang Polytechnic, No.213 Dongshan Road, Jiangcheng District, Yangjiang City, Guangdong Province, People's Republic of China ~72: CHEN Yaping;SI Yuanyuan;TANG Haiyao~

2024/06224 ~ Complete ~54:DEPOSITION OF CERAMIC LAYERS USING LIQUID ORGANOMETALLIC PRECURSORS ~71:X-ENERGY, LLC, 801 THOMPSON AVENUE, SUITE 300, ROCKVILLE, MARYLAND 20852, USA, United States of America ~72: KIM, Howard Taery~ 33:US ~31:63/301,656 ~32:21/01/2022

2024/06234 ~ Complete ~54:A FOG (FATS, OILS, OR GREASE) SEPARATION APPARATUS ~71:ECO CLARITY LTD., Office 123, 210 Upper Richmond Road, LONDON SW15 6NP, UNITED KINGDOM, United Kingdom ~72: CLEMES, Christopher Charles~ 33:ZA ~31:2022/01032 ~32:24/01/2022

2024/06237 ~ Complete ~54:GLASS WOOL FIBRE-DRAWING BURNER ~71:Saint-Gobain Isover, Tour Saint-Gobain, 12, Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: BONHOMME, Vincent;CLEON, Guillaume;VERDIER, Antoine~ 33:IB ~31:2022/050601 ~32:30/03/2022

2024/06248 ~ Complete ~54:3A-OLEANOLIC ACID DERIVATIVES AS HYALURONIDASE INHIBITORS AND USES THEREOF IN COSMETIC PRODUCTS ~71:QINGYAN BOSHI HEALTH MANAGEMENT CO., LTD., Room 1201 - 12005, 12th Floor, Building 1, Nongguang Nanli, Chaoyang District, People's Republic of China ~72: JIANG, Yanfei~ 33:CN ~31:202210129217.7 ~32:11/02/2022

2024/06218 ~ Provisional ~54:OVERLAND BUCKET CONVEYOR ~71:Paula Steyn, 1 Rietfontein 274 JT, South Africa ~72: T Steyn~ 33:ZA ~31:1 ~32:13/08/2024

2024/06225 ~ Complete ~54:CYTOTOXICITY TARGETING CHIMERAS FOR C-C CHEMOKINE RECEPTOR 2- EXPRESSING CELLS ~71:GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, 980 Great West Road, Brentford, United Kingdom ~72: JEONG, Jae U.;JESO, Valer;KNAPP-REED, Beth Anne;MARCUS, Andrew Peter;PHELAN, James P.;SENDER, Matthew Robert;TURUNEN, Brandon~ 33:US ~31:63/314,034 ~32:25/02/2022

2024/06236 ~ Complete ~54:A BACILLUS THURINGIENSIS PESTICIDAL PROTEIN (BT PP) COMBINATION USEFUL FOR PLANT PROTECTION ~71:Futuragene Israel Ltd, Pekeris 2 St., Park Tamar, REHOVOT 7670202, ISRAEL, Israel;Suzano S.A., Av. Professor Magalhaes Neto, 1752, EDF. Lena Empresarial, 10 Andar Salas 1010 e 1011, PITUBA 41810012, SALVADOR, BRAZIL, Brazil ~72: AVISAR, Dror;AZULAY, Shelly;CANDELARIA, Murici Carlos;DA SILVA ROCHA, Carolina;DOS SANTOS, Anselmo Azevedo;GONZALEZ, Esteban Roberto;LIVNE, Sivan~ 33:US ~31:63/310,518 ~32:15/02/2022

2024/06233 ~ Complete ~54:RENEWABLE ENERGY PLATFORM ASSEMBLY KIT AND METHOD ~71:MARINE POWER SYSTEMS LIMITED, The Warehouse Building, Urban Village, Swansea, United Kingdom ~72: FOSTER, Graham~ 33:GB ~31:2203823.6 ~32:18/03/2022

2024/06235 ~ Complete ~54:COMPOUNDS AND METHODS FOR TREATMENT OF VIRAL INFECTIONS ~71:GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, United States of America ~72: BARTLETT, MARK J.;BYUN, DANIEL H.;COSMAN ELLIS, JENNIFER L.;DENG, YIFAN;KALLA, RAO V.;MACKMAN, RICHARD L.;SIEGEL, DUSTIN S.;ZENG, XIANHUANG~ 33:US ~31:63/315,769 ~32:02/03/2022;33:US ~31:63/390,421 ~32:19/07/2022;33:US ~31:63/424,083 ~32:09/11/2022;33:US ~31:63/434,993 ~32:23/12/2022

2024/06243 ~ Complete ~54:GAMMA-HYDROXYBUTYRATE DELIVERING COMPOUNDS AND PROCESSES FOR MAKING AND USING THEM ~71:Zevra Therapeutics, Inc., 1180 Celebration Boulevard, Suite 103, CELEBRATION 34747, FL, USA, United States of America ~72: BERA, Sanjib;DANA, Dibyendu;GUENTHER, Sven;MICKLE, Travis;SMITH, Adam~ 33:US ~31:63/333,391 ~32:21/04/2022

- APPLIED ON 2024/08/15 -

2024/06272 ~ Complete ~54:PHARMACEUTICAL POLYMER FOR TREATING HYPERKALEMIA AND PREPARATION METHOD THEREOF ~71:Waterstone Pharmaceuticals (Wuhan) Co., Ltd., B3-4, Biolake, No. 666 Gaoxin Road, Eastlake National High-Tech Development Zone, WUHAN 430075, HUBEI, CHINA (P.R.C.), People's Republic of China ~72: FU, Min;HU, Minglong;LI, Tongtong;LIANG, Ying;WANG, Xiaolong;YU, Yao;ZHANG, Faming~ 33:IB ~31:2021/131264 ~32:17/11/2021

2024/06273 ~ Complete ~54:METHODS OF ADMINISTERING FVIII MIMETIC BISPECIFIC ANTIBODIES EVERY SECOND WEEK ~71:Novo Nordisk Health Care AG, The Circle 32/38, ZÜRICH CH-8058, SWITZERLAND, Switzerland ~72: KREILGÅRD, Mads;MATYTSINA, Irina Alekseyevna~ 33:EP ~31:22159642.2 ~32:02/03/2022;33:EP ~31:22159644.8 ~32:02/03/2022;33:EP ~31:22212144.4 ~32:08/12/2022

2024/06283 ~ Complete ~54:ONE-TO-STOP ATTENUATED SARS-COV-2 VIRUS ~71:INSTITUT FÜR VIROLOGIE UND IMMUNOLOGIE (IVI), Sensemattstrasse 293, 3147, Mittelhäusern, Switzerland;UNIVERSITÄT BERN, Verwaltungsdirektion Hochschulstrasse 6, 3012, Bern, Switzerland ~72: ANNIKA KRATZEL;BETTINA SALOME TRÜEB;DONATA HOFFMANN;FABIEN LABROUSSAA;GÜLIZ TUBA BARUT;JACOB SCHÖN;JÖRG JORES;LORENZ ULRICH;MARTIN BEER;NADINE EBERT;NICO JOEL HALWE;VOLKER THIEL~ 33:EP ~31:22164874.4 ~32:28/03/2022;33:EP ~31:22201198.3 ~32:12/10/2022

2024/06290 ~ Provisional ~54:MV/HV AND FIBRE IDENTIFICATION CHART ~71:Inus Janse van Rensburg, Paddockstreet 19, South Africa ~72: Inus Janse van Rensburg~

2024/06282 ~ Complete ~54:THE PREPARATION OF N-(1-METHYLCYCLOPROPYL)-2-(3-PYRIDINYL)-2H-INDAZOLE-4-CARBOXAMIDE AND INTERMEDIATES THEREOF ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: AHMAD EL-AWA;HAO WANG;JESSICA L KLINKENBERG;JONATHAN KEIM;JUNBAE HONG;LINLI HE;MAHESH PATIL;NING XU;PRABHAKAR PEDDIKOTLA;PRAFULL SAWARKAR;R. PAUL MANCHESTER;VIPUL DUDHAT;WILLIAM EUGENE PALMER;XIANMIAO QIAN~ 33:US ~31:63/311,276 ~32:17/02/2022

2024/06286 ~ Complete ~54:ITK INHIBITORS FOR INCREASING TH1 CELL ACTIVITY ~71:CORVUS PHARMACEUTICALS, INC., 863 Mitten Road, Suite 102, Burlingame, California, 94010, United States of America ~72: LIH-YUN HSU;RICHARD A MILLER~ 33:US ~31:63/327,563 ~32:05/04/2022;33:US ~31:63/418,158 ~32:21/10/2022

2024/06335 ~ Provisional ~54:FLEXI PREMIUM ~71:Timothy Jabulani Mahlangu, 404 Mandela Village, South Africa ~72: Timothy Jabulani Mahlangu~

2024/06257 ~ Complete ~54:A SILICONE GEL FILLING MATERIAL, ITS PREPARATION METHOD, AND APPLICATIONS ~71:Bengbu University, 1866 Caoshan Road, Bengbu City, Anhui Province, People's Republic of China ~72: Chen Yaqi;Ding Bo;Gao Hongrui;Sun Bingfeng;Wang Hanqiong;Wang Na;Wang Ying;Xiong Mingwen;Yan Qian;Zhang Bo;Zhang Yao~ 33:CN ~31:2024108705339 ~32:01/07/2024

2024/06260 ~ Complete ~54:KEY NEGOTIATION METHOD BASED ON DTPM STRUCTURE AND FAST LEARNING RULES ~71:Southwest university, Tiansheng Road 2, Beibei District, Chongqing, People's Republic of China ~72: Chou Junyi;Dong Tao;Hu Wenjie~ 33:CN ~31:2024108321451 ~32:25/06/2024

2024/06289 ~ Provisional ~54:TO PROVIDE PROTECTIVE OILY SUBSTANCE COATING VIA VINYL STICKER APPLIED TO DSTV BOARD SURFACE TO ENSURE CONSISTENT DSTV VIEWING EVEN RAINY AND THUNDERSTORMS WEATHER CONDITIONS ~71:Mr Thabang Gratitude Makgahlela, 471 Mokwena Street, Tlhabane, South Africa ~72: Mr Thabang Gratitude Makgahlela~

2024/06263 ~ Complete ~54:DEVICE AND METHOD FOR RAPIDLY TESTING STRENGTH OF FROZEN-THAWED FISSURED ROCK ~71:CHINA RAILWAY 20TH BUREAU GROUP CORPORATION LIMITED, No. 89 Taihua North Road, Weiyang District, Xi'an, Shaanxi, 710016, People's Republic of China;Xi'an University of Science and Technology, No. 58 Yanta Road, Beilin District, Xi'an, Shaanxi, 710054, People's Republic of China ~72: Chao Yuan;Jie Bai;Ping Cao;Shiguan Chen~

2024/06264 ~ Complete ~54:BICYCLIC AMINES AS CDK2 INHIBITORS ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: CHEN, Yingnan;FAVATA, Margaret;HUMMEL, Joshua;LI, Zhenwu;LO, Yvonne;QIAN, Ding-Quan;WINTERTON, Sarah;WU, Liangxing;XIAO, Kaijiong;XU, Meizhong;YAO, Wenqing;YE, Min;YE, Yingda~ 33:US ~31:62/914,114 ~32:11/10/2019

2024/06266 ~ Complete ~54:ACTIVATABLE ANTIBODIES AND METHODS OF MAKING AND USING THEREOF ~71:ADAGENE INC., Harbour Place, 103 South Church Street, P.O. Box 2582, Grand Cayman, KY1-1103, Cayman Islands ~72: FANGYONG DU;PETER PEIZHI LUO~ 33:CN ~31:PCT/CN2018/075065 ~32:02/02/2018

2024/06267 ~ Complete ~54:10-(DL(PHENYL)METHYL)-4-HYDROXY-8,9,9A, 10-TETRAHYDRO-7H-PYRROLO[1',2':4,5]PYRAZINO[1,2-B]PYRIDAZINE-3,6-DIONE DERIVATIVES AND RELATED COMPOUNDS AS INHIBITORS OF THE ORTHOMYXOVIRUS REPLICATION FOR TREATING INFLUENZA ~71:NOVARTIS AG, LICHTSTRASSE 35, 4056, Switzerland ~72: DAUPHINAIS, MAXIME;JAIN, RAMA;KOESTER, DENNIS CHRISTOFER;MANNING, JAMES R.;MARX, VANESSA;POON, DANIEL;WAN, LIFENG;WANG, XIAOJING MICHAEL;YIFRU, AREGAHEGN;ZHAO, QIAN~ 33:US ~31:62/636,378 ~32:28/02/2018

2024/06280 ~ Complete ~54:THE PREPARATION OF N-(1-METHYLCYCLOPROPYL)-2-(3-PYRIDINYL)-2H-INDAZOLE-4-CARBOXAMIDE AND INTERMEDIATES THEREOF ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: AHMAD EL-AWA;BRIAN ROESCH;CHRISTIAN HOFFMAN;CHRISTINA S STAUFFER;IVAN SERGEYEVICH BALDYCHEV;JACK K VINTHER;JESSICA L KLINKENBERG;JONATHAN KEIM;KÅRE SØNDERGAARD;TY WAGERLE~ 33:US ~31:63/311,276 ~32:17/02/2022

2024/06281 ~ Complete ~54:PROCESSES FOR THE PREPARATION OF N-(1-METHYLCYCLOPROPYL)-2-(3-PYRIDINYL)-2H-INDAZOLE-4-CARBOXAMIDE AND INTERMEDIATES THEREOF ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: AHMAD EL-

AWA;CHRISTINA S STAUFFER;DAVID ALAN CLARK;JAMES ANDERSON WRIGHT;JIANHUA MAO;JIGARKUMAR MISTRY;LINLI HE;MAHESH PATIL;PANKAJKUMAR VEKARIYA;RAJU MAHADEVRAO KHARATKAR;TY WAGERLE~ 33:US ~31:63/311,276 ~32:17/02/2022

2024/06287 ~ Complete ~54:TRKB LIGAND CONJUGATED COMPOUNDS AND USES THEREOF ~71:ADARX PHARMACEUTICALS, INC., 5871 Oberlin Drive Suite 200 San Diego, California 92121, United States of America ~72: BO CHENG;CHANDRAMOULI CHIRUTA;HUEY-JING HUANG;MIHAI AZIMIOARA;RUI ZHU;ZHEN LI~ 33:US ~31:63/309,337 ~32:11/02/2022;33:US ~31:63/327,342 ~32:04/04/2022;33:US ~31:63/335,150 ~32:26/04/2022;33:US ~31:63/352,809 ~32:16/06/2022

2024/06250 ~ Provisional ~54:SYSTEM AND METHOD FOR ORGANIZING AND MANAGING INTERNATIONAL BODYBUILDING AND FITNESS COMPETITIONS ~71:IBFF Africa, 11 Riley Road Bedfordview, South Africa ~72: Arnie Williams;IBFF Africa NPC~

2024/06253 ~ Provisional ~54:DENIAL-OF-SERVICE (DOS) ATTACK PREVENTION IN A SECURITY PROTOCOL ~71:ENTERSEKT INTERNATIONAL LIMITED, Level 3, Alexander House, 35 Cybercity, Mauritius ~72: ØVERBY, Eirik~

2024/06265 ~ Complete ~54:SHOE UPPER AND SHOE HAVING THE SAME ~71:Skechers U.S.A., Inc. II, 228 Manhattan Beach Blvd., MANHATTAN BEACH 90266 , CA, USA, United States of America ~72: CHENG, WanLing;CHUANG, Frank;GREENBERG, Chase;TJA, Johnson;XIE, Hui~ 33:CN ~31:202322813747.6 ~32:17/10/2023

2024/06268 ~ Complete ~54:NEUROACTIVE STEROIDS FOR TREATMENT OF CNS-RELATED DISORDERS ~71:SAGE THERAPEUTICS, INC., 215 First Street, Cambridge, United States of America ~72: BULLOCK, Amy, E.;DOHERTY, James;GUNDUZ-BRUCE, Handan;JONAS, Jeffrey, Martin;KANES, Stephen, Jay;LASSER, Robert, Alfonso;MARIANO, Timothy, Y.~ 33:US ~31:63/310,581 ~32:16/02/2022;33:US ~31:63/337,828 ~32:03/05/2022;33:US ~31:63/482,200 ~32:30/01/2023

2024/06278 ~ Complete ~54:SYSTEMS, APPARATUS AND METHODS FOR STERILIZING AN OBJECT USING A SELF-CONTAINED STERILIZATION CHAMBER ~71:CSP TECHNOLOGIES, INC., 960 West Veterans Boulevard, Auburn, United States of America ~72: ANDERSON, Gary;BELFANCE, John;TIFFT, Brian~ 33:US ~31:63/268,164 ~32:17/02/2022

2024/06285 ~ Complete ~54:ANAPLASMA VACCINES AND METHODS OF USE THEREOF ~71:KANSAS STATE UNIVERSITY RESEARCH FOUNDATION, 2005 Research Park Circle, Manhattan, Kansas, 66502, United States of America ~72: ROMAN R GANTA~ 33:US ~31:63/268,473 ~32:24/02/2022

2024/06288 ~ Complete ~54:LIQUID BASE PRODUCT, LIQUID FORMULATED PRODUCT, LIQUID FINAL PRODUCT, BIODEGRADABLE SOLID PRODUCT AND BIODEGRADABLE PRODUCT FABRICATION PROCESS ~71:HDGL LLC., 848 Brickell Ave. Ste. 203, Miami, Florida, 33131, United States of America;ISOCARE SOLUÇÕES AMBIENTAIS S/A, Avenida Coronel Marcos Konder, 1207, SALA 26, SALA 27, Centro, Itajaí, Santa Catarina, 88301-303, Brazil ~72: CAROLINA COVALSKI PORSCH;LAURÊNCIO CUEVAS PERLANZA~ 33:BR ~31:1020220009740 ~32:18/01/2022;33:BR ~31:1020230006396 ~32:12/01/2023

2024/06276 ~ Complete ~54:PROCESS FOR PRODUCING A REFINED 1,4-BUTANEDIOL STREAM ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: CLAXTON, Henry Arthur;GORDON, Paul;REED , Graham~ 33:GB ~31:2203264.3 ~32:09/03/2022

2024/06279 ~ Complete ~54:APOL1 INHIBITORS AND METHODS OF USE ~71:MAZE THERAPEUTICS, INC., 171 Oyster Point Blvd, Suite 300, South San Francisco, California, 94080, United States of America ~72: ADAM NEIL REID;ALEXANDER WAYNE SCHAMMEL;BIRONG ZHANG;CHRIS ZIEBENHAUS;CHRISTOPHER JOSEPH SINZ;DAVID JOHN MORGANS JR.;MAARTEN HOEK;PATRICK SANG TAE LEE;SARAH M BRONNER;TODD JONATHAN AUGUST EWING;VICTORIA ANNE ASSIMON~ 33:US ~31:63/300,592 ~32:18/01/2022;33:US ~31:63/311,668 ~32:18/02/2022;33:US ~31:63/332,553 ~32:19/04/2022;33:US ~31:63/400,359 ~32:23/08/2022;33:US ~31:63/422,341 ~32:03/11/2022

2024/06284 ~ Complete ~54:IND VARIANTS AND RESISTANCE TO POD SHATTER IN BRASSICA ~71:PIONEER HI-BRED INTERNATIONAL, INC., 7100 NW 62nd Avenue P.O. Box 1014, Johnston, Iowa, 50131-1014, United States of America ~72: COREY LEES;IGOR FALAK;NORBERT BRUGIERE;SARAH ATWOOD;SCOTT MCCLINCHEY;SIVA S. AMMIRAJU JETTY;XIUQIANG HUANG~ 33:US ~31:63/315,788 ~32:02/03/2022

2024/06274 ~ Complete ~54:HOT-DIP PLATED STEEL MATERIAL ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan ~72: GOTO, Yasuto;NAKAMURA, Fumiaki;SAITO, Mamoru;TOKUDA, Kohei~ 33:JP ~31:2022-024940 ~32:21/02/2022

2024/06275 ~ Complete ~54:DEUTERATED IDAZOXAN AND METHODS OF USE THEREOF ~71:Terran Biosciences Inc., 2457 Collins Ave, Apt 504, MIAMI BEACH 33140, FL, USA, United States of America ~72: CLARK, Samuel;DUNCTON, Matthew~ 33:US ~31:63/310,686 ~32:16/02/2022;33:US ~31:63/320,342 ~32:16/03/2022

2024/06255 ~ Complete ~54:FAST WATER-INTERCEPTION METHOD FOR WATER-BURSTING POINT IN COAL MINE TUNNEL ~71:Liupanshui Normal University, No. 288, Minghu Road, Zhongshan District, Liupanshui City, Guizhou Province, 553004, People's Republic of China;Xinjiang Institute of Engineering, 1350 Aidinghu Road (Toutunhe District), Economic and Technological Development Zone, Urumqi, Xinjiang, 830023, People's Republic of China ~72: FAN, Limin;GAO, Ying;HUANG, Mingda;LI, Bo;LI, Tao;MA, Liqiang;WANG, Hai;YANG, Junwei;ZHANG, Peng;ZHENG, Kaidan~ 33:CN ~31:202410841242.7 ~32:27/06/2024

2024/06259 ~ Complete ~54:FANCY COVERED YARN WITH VARIABLE WRAPPING DENSITY CHARACTERISTICS ~71:Anhui Polytechnic University, No.8 Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, People's Republic of China ~72: WANG Yong~

2024/06258 ~ Complete ~54:SYSTEM FOR ACCURATELY FEEDING PREGNANT PIGS BASED ON MACHINE LEARNING ~71:Zhejiang Academy of Agricultural Sciences, No. 298, Desheng Middle Road, Hangzhou City, Zhejiang Province, 310009, People's Republic of China ~72: BAO, Quan;CAI, Jing;CHENG, Jufen;JI, Honghu;LIU, Huadong;LIU, Kaige;REN, Yongye;WU, Yue;XIAO, Hua;ZHOU, Weidong;ZHOU, Xin~

2024/06262 ~ Complete ~54:A FREEZE-THAW FISSURED ROCK MASS SAMPLING DEVICE AND METHOD ~71:CHINA RAILWAY 20TH BUREAU GROUP CORPORATION LIMITED, No. 89 Taihua North Road, Weiyang District, Xi'an, Shaanxi, 710016, People's Republic of China;Xi'an Kedagaoxin University, No. 39, Middle Section of Ziwu Avenue, Xi'an, Shaanxi, 710109, People's Republic of China;Xi'an University Of Science And Technology, No. 58 Yanta Road, Beilin District, Xi'an, Shaanxi, 710054, People's Republic of China ~72: Chao Yuan;Jie Bai;Shiguan Chen;Shihang Zheng;Zengle Li~

2024/06270 ~ Complete ~54:GAMMA-HYDROXYBUTYRATE DELIVERING COMPOUNDS AND PROCESSES FOR MAKING AND USING THEM ~71:Zevra Therapeutics, Inc., 1180 Celebration Boulevard, Suite 103, CELEBRATION 34747, FL, USA, United States of America ~72: BERA, Sanjib;GUENTHER, Sven;MICKLE, Travis;SMITH, Adam~ 33:US ~31:63/333,391 ~32:21/04/2022

2024/06271 ~ Complete ~54:METHODS, SYSTEMS, AND MATERIALS FOR MAKING UNIT DOSAGE FORMS ~71:OFD BioPharma, LLC, 525 25th Avenue SW, ALBANY 97322, OR, USA, United States of America ~72: DESAI, Janardan M.;FRANKLIN, Daniel Scot;FREEMAN, Daniel Joseph;HARVEY, Joshua;JOHNSON Jr., Donald Gray;LOVE, Andrew;MORGUS, Kevin D.;PEBLEY, Walter;RODRIGUEZ, Gonzalo Leon;ROEGNER, Kristen N.~ 33:US ~31:63/267,091 ~32:24/01/2022;33:US ~31:18/158,845 ~32:24/01/2023

2024/06277 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AND USES THEREOF ~71:Kumquat Biosciences Inc., 10770 Wateridge Circle, Suite 120, SAN DIEGO 92121, CA, USA, United States of America ~72: CHEN, Zhiyong;LI, Liansheng;LI, Xiaoming;LIU, Yi;REN, Pingda;WU, Baogen;ZHAO, Siling;ZHU, Xiuwen~ 33:US ~31:63/319,253 ~32:11/03/2022;33:US ~31:63/319,256 ~32:11/03/2022;33:US ~31:63/322,630 ~32:22/03/2022;33:US ~31:63/322,631 ~32:22/03/2022;33:US ~31:63/415,955 ~32:13/10/2022;33:US ~31:63/415,956 ~32:13/10/2022

2024/06261 ~ Complete ~54:LEARNING RULE METHOD BASED ON TPM STRUCTURE ~71:Southwest university, Tiansheng Road 2, Beibei District, Chongqing, People's Republic of China ~72: Chou Junyi;Dong Tao;Hu Wenjie~ 33:CN ~31:2024108271166 ~32:25/06/2024

2024/06269 ~ Complete ~54:VEHICLE DIAGNOSTIC METHODS AND SYSTEMS ~71:BELRON INTERNATIONAL LIMITED, Milton Park, Stroude Road, United Kingdom ~72: MYHRER, Christoffer;SUNDEVOLL, Henning;TANGEN, Åge~ 33:GB ~31:2202069.7 ~32:16/02/2022

2024/06251 ~ Provisional ~54:PUMICE STONE SOLUTIONS ~71:Rose Moleboge Ndhundhuma, 5 Leadwood Crescent Street, South Africa ~72: Rose Moleboge Ndhundhuma~

2024/06252 ~ Provisional ~54:REPLACEMENT EYE FOR BAITFISH WITH FLASH MATERIAL ~71:Alain Kahn, 73 King Shaka Estate, 50 Valley Road, South Africa ~72: Alain Kahn~

2024/06254 ~ Provisional ~54:TILE LEVELING SPACER ~71:Lwebu Jonas Mofokeng, 1623 bereng street, South Africa ~72: Kwebu Jonas Mofokeng;Kwebu Jonas Mofokeng~

2024/06256 ~ Complete ~54:ICU INSTRUMENT PIPELINE POSITIONING DEVICE ~71:Jiangjin Central Hospital of Chongqing, 725 Jiangzhou Avenue, Dingshan Street, Jiangjin District, Chongqing City, People's Republic of China ~72: CHENG Cheng;CHENG Hong;LI Xiuwen;LIU Xinyu;WANG Jianguan~

- APPLIED ON 2024/08/16 -

2024/06293 ~ Provisional ~54:MAGNETIC AND PRESSURE SENSING JOYSTICK/THUMB STICK ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;BRUWER, Frederick Johannes;RADEMEYER, Daniel Barend~

2024/06297 ~ Complete ~54:PHOTOTHERMAL CONVERSION ASSEMBLY AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Kunming University of Science and Technology, Kunming University of Science and Technology, Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China ~72: CHEN, Longyu;CUI, Xiangfen;HU, Xuwei;HUANG, Jianhong;LI, Chen;LI, Jie;LIU, Shugen;NING, Ping;SHI, Jianwu;SONG, Haoran;TIAN, Senlin;ZHAO, Qun~

2024/06333 ~ Complete ~54:TREATMENT OF SIGNS, SYMPTOMS AND/OR COMPLICATIONS OF VIRAL, BACTERIAL, PROTOZOAL, AND/OR FUNGAL INFECTIONS BY HIGH PENETRATION PRODRUGS ~71:TECHFIELDS INC., 731 Alexander Road, Suite 205, Princeton, New Jersey, 08540, United States of America ~72: CHONGXI YU;LINA XU~ 33:CN ~31:PCT/CN2022/072269 ~32:17/01/2022

2024/06331 ~ Complete ~54:SINGLE-CAPACITOR ELECTRONIC DETONATOR AND SYSTEM FOR FIRING SUCH SINGLE-CAPACITOR ELECTRONIC DETONATORS ~71:DAVEY BICKFORD, Le Moulin Gaspard, 89550, Hery, France ~72: FRANCK GUYON~ 33:FR ~31:FR2202147 ~32:11/03/2022

2024/06303 ~ Complete ~54:PLANT MONITORING DEVICE, SYSTEM, AND METHOD OF MONITORING A PLANT ~71:DIVISION X (PTY) LTD, Falcorp Technologies, Silverstream office park, Building 3, Office 1004, 10 Muswell Road South, Bryanston, Sandton, 2191, South Africa ~72: DELATE, Bryan;HURDEEN, Rikash Ramrajh;UNSER, Evan~ 33:ZA ~31:2023/06021 ~32:07/06/2023

2024/06308 ~ Complete ~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~ 33:ZA ~31:2023/08134 ~32:23/08/2023

2024/06317 ~ Complete ~54:STEEL SHEET AND HIGH STRENGTH PRESS HARDENED STEEL PART HAVING EXCELLENT BENDING ANISOTROPY AND METHOD OF MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Emmanuel LUCAS;Guillaume STECHMANN;Matthieu SALIB;Sebastian COBO~ 33:IB ~31:PCT/IB2023/056848 ~32:30/06/2023

2024/06325 ~ Complete ~54:SET SHUFFLING ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: BURNS, Alec;WRIGHT, Criag Steven~ 33:GB ~31:2203994.5 ~32:22/03/2022

2024/06327 ~ Complete ~54:HYBRID PREDICTIVE MODELING FOR CONTROL OF CELL CULTURE ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: DEMERS, Matthew N.;KHODABANDEHLOU, Hamid;RAFIESHISHAVAN, Syedehmina;RASHEDI, Mohammad;TULSYAN, Aditya;WANG, Tony Y.~ 33:US ~31:63/315,358 ~32:01/03/2022

2024/06334 ~ Complete ~54:PREVENTION OR TREATMENT OF CARDIOVASCULAR DISEASES OF HIGH PENETRATION PRODRUGS OF ASPIRIN AND OTHER NSAIDS ~71:TECHFIELDS INC., 731 Alexander Road, Suite 205, Princeton, New Jersey, 08540, United States of America ~72: CHONGXI YU;LINA XU~ 33:CN ~31:PCT/CN2022/072270 ~32:17/01/2022

2024/06301 ~ Complete ~54:CHILD RESISTANT ZIPPER CLOSURE, SLIDER, RECLOSEABLE POUCH & METHODS ~71:REYNOLDS PRESTO PRODUCTS INC., 1900 WEST FIELD COURT, LAKE FOREST, IL 60045, USA, United States of America ~72: DERUE, Nicholas, A.;THOMPSON, Gregg;WEHRLE, Richard~ 33:US ~31:17/463,990 ~32:01/09/2021

2024/06304 ~ Complete ~54:MOBILE DUST EXTRACTION DEVICE ~71:Fanca Technologies Pty Ltd, Unit 4/27, Godwin Street, Bulimba, BRISBANE 4171, QUEENSLAND, AUSTRALIA, Australia ~72: FANNING, Andrew~

2024/06307 ~ Complete ~54:VARIANT AAV CAPSIDS FOR INTRAVITREAL DELIVERY ~71:ADVERUM BIOTECHNOLOGIES, INC., 800 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: ANNAHITA KERAVALA;DIANA CEPEDA;MEHDI GASMI~ 33:US ~31:62/839,548 ~32:26/04/2019;33:US ~31:62/923,924 ~32:21/10/2019

2024/06309 ~ Complete ~54:DOSING REGIMENS FOR MITIGATION OF CYTOKINE RELEASE SYNDROME WITH ODRONEXTAMAB ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: AMBATI, Srikanth R.;CHAUDHRY, Aafia;KHAKSAR TOROGHI, Masood;MOHAMED, Hesham;ZHU, Min~ 33:US ~31:63/313,932 ~32:25/02/2022;33:US ~31:63/393,212

~32:28/07/2022;33:US ~31:63/420,782 ~32:31/10/2022;33:US ~31:63/424,210 ~32:10/11/2022;33:US
~31:63/440,304 ~32:20/01/2023

2024/06291 ~ Provisional ~54:TWO-PASTE ~71:MARKUS VAN WYK, 1 GOLFVIEW ESTATE , S.W.5 ,
VANDERBIJLPARK , SOUTH AFRICA, South Africa ~72: MARKUS VAN WYK~

2024/06295 ~ Complete ~54:DEVICE FOR CYCLICALLY RESTORING CONTAMINATED SOIL BY ELECTRIC-
CARBON CO-PROMOTED PERSULFATE OXIDATION ~71:Kunming University of Science and Technology,
Kunming University of Science and Technology, Chenggong District, Kunming City, Yunnan Province, 650500,
People's Republic of China ~72: CUI, Xiangfen;HU, Xuewei;HUANG, Jianhong;LI, Chen;LI, Yingjie;LIU,
Shugen;NING, Ping;SHI, Jianwu;SONG, Haoran;SUN, Wei;TIAN, Senlin;WANG, Zhenzhen;ZHAO, Qun~

2024/06324 ~ Complete ~54:AUTOMATED DRUG FILLING PROCESS ~71:Amgen Inc., One Amgen Center
Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: ADAMS, Benjamin J.; TSAI,
Mingfen~ 33:US ~31:63/319,675 ~32:14/03/2022

2024/06329 ~ Complete ~54:CHIMERIC POLYPEPTIDES ~71:DENTERIC PTY LTD, Level 9, 31 Queen Street,
Melbourne, Victoria, 3000, Australia ~72: ERIC CHARLES REYNOLDS;NADA SLAKESKI;NEIL O'BRIEN-
SIMPSON~ 33:AU ~31:2022900101 ~32:20/01/2022

2024/06302 ~ Complete ~54:AN INTELLIGENT CONTROL SEEDER ~71:Lingnan Normal University, No.29
Cunjin Road, chikan District, Zhanjiang City, Guangdong Province, People's Republic of China ~72: Chen
Zihao;Jiang Shuzhen;Liu Yang;Ma Xueqi;Ming Xianglan~

2024/06315 ~ Complete ~54:STEEL SHEET AND HIGH STRENGTH PRESS HARDENED STEEL PART
HAVING EXCELLENT BENDING AND METHOD OF MANUFACTURING THE SAME ~71:ARCELORMITTAL,
24-26 Boulevard d'Avranches, Luxembourg ~72: Alice DUMONT;Emmanuel LUCAS;Guillaume
STECHMANN;Matthieu SALIB~ 33:IB ~31:PCT/IB2023/056846 ~32:30/06/2023

2024/06320 ~ Complete ~54:SYNTHESIS OF BRUTON'S TYROSINE KINASE INHIBITORS ~71:Janssen
Pharmaceutica NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: CLEATOR,
Edward;FERNANDES, Philippe;MATON, William Marc;RAMMELOO, Thomas Joachim Landewald;TRAN, Ngoc
Duc;XIOURAS, Christos~ 33:GR ~31:20220100151 ~32:18/02/2022;33:EP ~31:22167032.6
~32:06/04/2022;33:EP ~31:22178413.5 ~32:10/06/2022

2024/06296 ~ Complete ~54:APPARATUS FOR PREPARING AQUATIC PROTEIN ISOLATE POWDER
~71:HAINAN TROPICAL OCEAN UNIVERSITY, No.1 Yucai Road, Jiyang District, Sanya City, Hainan Province,
572022, People's Republic of China;Yuyi Natural Habitat Consulting Service (Guangzhou) Co., Ltd., Building 8,
Chashan District, South China Agricultural University, Wushan Chashan, Tianhe District, Guangzhou City,
Guangdong Province, 510640, People's Republic of China ~72: CHEN, Pan;CHEN, Yan;HUANG, Hai;LI,
Wenfeng;ZHONG, Minyi~

2024/06299 ~ Complete ~54:SECURITY DEVICE ~71:Jason Blacklock, 118 Jack Nicklaus Drive, Pecanwood
Estate, Broederstroom, North West, 0240, South Africa ~72: Jason Blacklock~ 33:ZA ~31:2023/08752
~32:14/09/2023

2024/06316 ~ Complete ~54:ANTIVIRAL COMPOUNDS AND METHODS OF MAKING AND USING THE SAME
~71:GILEAD SCIENCES, INC., 333 LAKESIDE DRIVE, FOSTER CITY, United States of America ~72: CHUN,
BYOUNG-KWON;CLARKE, MICHAEL O.;ENSAN, DEEBA;KALLA, RAO V.;MACKMAN, RICHARD
L.;NADUTHAMBI, DEVAN;SIEGEL, DUSTIN S.~ 33:US ~31:63/316,231 ~32:01/03/2022

2024/06328 ~ Complete ~54:METHOD FOR PRODUCING EXHAUST GAS PURIFICATION CATALYST
~71:CATALER CORPORATION, 7800 Chihama, Kakegawa-shi, Shizuoka, 4371492, Japan ~72: ETSUKO
OHARA;KEITA YAMAMOTO;SUGURU MATSUI~ 33:JP ~31:2022-020422 ~32:14/02/2022

2024/06332 ~ Complete ~54:TRIPLE UPTAKE INHIBITOR FOR THE TREATMENT OF ATYPICAL
DEPRESSION ~71:NOEMA PHARMA AG, Barfusserplatz 3, 4051, Basel, Switzerland ~72: GEORGE
GARIBALDI~ 33:US ~31:63/314,753 ~32:28/02/2022;33:US ~31:63/484,905 ~32:14/02/2023

2024/06292 ~ Provisional ~54:FOODSTUFF AND FOODSTUFF MAKING APPARATUS AND METHOD
~71:RAQUEL FATIMA CORREIA LECA, BROOKLYN HOUSE SOUTH, BROOKS STREET, South Africa ~72:
JOAO HENRIQUE CARVALHO LECA~

2024/06294 ~ Provisional ~54:BOX CONNECTOR ~71:MPACT LIMITED, 4th Floor, 3 Melrose Boulevard,
Melrose Arch, Johannesburg, Gauteng, 2196, South Africa ~72: STEFAN HOFMEYR BOSHOFF;WOUTER
HUGO HEUNIS~

2024/06306 ~ Complete ~54:A DYNAMIC SCHEDULING SYSTEM AND METHOD FOR UNMANNED TRUCK IN
OPEN-PIT MINE BASED ON REINFORCEMENT LEARNING ~71:China University of Mining and Technology,
No. 1, Daxue Road, Tongshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of
China;Xuzhou XCMG Heavy Vehicle Co., Ltd, No. 19, Zhujiang East Road, High-Tech Industrial Development
Zone, Xuzhou City, Jiangsu Province, 221112, People's Republic of China ~72: Chenzhong Zhu;Deping
Hu;Jiusheng Bao;Kai Wang;Maosen Wang;Mingyu Gao;Shaoyun Cui;Shiwei Xu;Yan Yin~ 33:CN
~31:202410732227.9 ~32:06/06/2024

2024/06310 ~ Complete ~54:SYSTEM FOR AGRICULTURAL SAMPLE SLURRY ANALYSIS AND RELATED
METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72:
HARMAN, Reid;MOLTER, Michael~ 33:US ~31:63/365,243 ~32:24/05/2022;33:US ~31:63/365,244
~32:24/05/2022

2024/06322 ~ Complete ~54:WATER-SOLUBLE UNIT DOSE ARTICLE COMPRISING A FIBROUS NON-
WOVEN SHEET AND A HUEING DYE PARTICLE ~71:The Procter & Gamble Company, One Procter & Gamble
Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: BULLIVANT, Timothy;TANTAWY, Hossam
Hassan~ 33:EP ~31:22158559.9 ~32:24/02/2022

2024/06326 ~ Complete ~54:A PROCESS FOR PREPARING 4-METHYL-2-PROPAN-2-YL-PYRIDINE-3-
CARBONITRILE ~71:Amgen Inc., c/o Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799,
CA, USA, United States of America ~72: DAI, Xijie;DORNAN, Peter;KAVURU, Padmini;SMITH, Austin Gerald~
33:US ~31:63/317,187 ~32:07/03/2022

2024/06312 ~ Complete ~54:ADJUSTABLE ELECTRO-MECHANICAL RESISTANCE EXERCISE APPARATUS
~71:STEYN, Paul, 183 Hartebeesfontein, South Africa ~72: STEYN, Paul~ 33:ZA ~31:2022/07929
~32:18/07/2022;33:ZA ~31:2022/07930 ~32:18/07/2022;33:ZA ~31:2022/10380 ~32:20/09/2022;33:ZA
~31:2022/11754 ~32:28/10/2022

2024/06314 ~ Complete ~54:DENATURED MILK PROTEINS AND METHODS OF MAKING THEM
~71:LEPRINO FOODS COMPANY, 1830 West, 38th Avenue, United States of America ~72: LI, Jiancai;MAIER,
Bradley;MERRILL, Richard K.;TESFE, Paulos~ 33:US ~31:18/097,003 ~32:13/01/2023;33:US ~31:18/503,535
~32:07/11/2023

2024/06318 ~ Complete ~54:IKAROS ZINC FINGER FAMILY DEGRADERS AND USES THEREOF ~71:GILEAD
SCIENCES, INC., 333 LAKESIDE DRIVE, FOSTER CITY, United States of America ~72: BALAN,

GAYATRI;BLOMGREN, PETER A.;CHEN, CHEN;CODELLI, JULIAN A.;DU, ZHIMIN;KIM, MUSONG;SADDIER AXE, DOROTHÉE;SCHWARZWALDER, GREGG M.;THOMAS-TRAN, RHIANNON;TUDESCO, MICHAEL T.;VENKATARAMANI, CHANDRASEKAR;WATKINS, WILLIAM J.;WEIST, BRIAN M.;YEUNG, SUET C.;YU, HELEN~ 33:US ~31:63/321,030 ~32:17/03/2022;33:US ~31:63/386,605 ~32:08/12/2022

2024/06512 ~ Provisional ~54:WIMBERT EXCHANGEABLE CRICKET PITCH SYSTEM ~71:WILLIE SWIEGERS, 46A LA QUINTA STREET, SILVER LAKES, South Africa ~72: WILLIE SWIEGERS~

2024/06298 ~ Complete ~54:A SPECIAL EQUIPMENT PRESSURE PIPELINE LEAK TESTING DEVICE ~71:Gansu Special Equipment Inspection and Testing Research Institute (Gansu Special Equipment Inspection and Testing Group), No. 538 Dongping Street, Qilihe District, Lanzhou City, Gansu Province, People's Republic of China ~72: Li Guangyin;Li Jie;Zhao Xiaolong~ 33:CN ~31:2024218894385 ~32:06/08/2024

2024/06300 ~ Complete ~54:JEWELLERY MANUFACTURING PROCESS ~71:OCEANSA (PTY) LTD., V A WATERFRONT S ARM RD SHOP G04 THE CLOCKTOWER, VICTORIA ALFRED WATERFRONT, South Africa ~72: DU PREEZ, EZRA MISONNE~ 33:ZA ~31:2023/08751 ~32:14/09/2023

2024/06305 ~ Complete ~54:A METHOD FOR RAPID IDENTIFICATION OF MYCOBACTERIUM MARINUM SAMPLES BASED ON MULTI-GENE AMPLIFICATION ~71:Jining NO.1 People's Hospital (Jining Academy of Medical Sciences), No. 6, Jiankang Road, Rencheng District, Jining City, Shandong Province, 272000, People's Republic of China ~72: Dongmei Shi;Yahui Feng~ 33:CN ~31:202410178676.3 ~32:10/02/2024

2024/06313 ~ Complete ~54:LASER-MARKABLE SEALING COMPOUNDS WITH OXYGEN ABSORBERS ~71:ACTEGA DS GMBH, Straubinger Str. 12, Germany ~72: Katharina BAHRS;Simon HEYDER;Waldemar EICHLER~ 33:EP ~31:PCT/EP2022/059547 ~32:08/04/2022

2024/06330 ~ Complete ~54:INHIBITORS OF NLRP3 ~71:PTC THERAPEUTICS, INC., 500 Warren Corporate Center Drive, Warren, New Jersey, 07059, United States of America ~72: BRADLEY B GILBERT;EDUARDO HUARTE;ERICA N PARKER;ETTORE RASTELLI;HANDOKO -;JING LI;KYLE NIEDERER;LAUREN BEJCEK;MATTHEW G WOLL;MEENU PILLAI;NADIYA SYDORENKO;NANJING ZHANG;RAUFUL ALAM;SEYEDMORTEZA HOSSEYNI;TIANYI ZHENG;XIAOYAN ZHANG;YAO LIU~ 33:US ~31:63/311,463 ~32:18/02/2022;33:US ~31:PCT/US2022/075421 ~32:24/08/2022

2024/06311 ~ Complete ~54:PUMPING SYSTEM ~71:WEIR MINERALS NETHERLANDS B.V., Egenrayseweg 9, Netherlands ~72: STROEKEN, Johannes;VAN RIJSWICK, Rudolfus~ 33:GB ~31:2203215.5 ~32:08/03/2022

2024/06319 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITING COMPLEMENT FACTOR B ~71:AstraZeneca Ireland Limited, College Business & Technology Park, Blanchardstown Road, NORTH DUBLIN 15, IRELAND, Ireland ~72: BEASLEY, Kathleen Nicole;BROWN, Bob Dale;DUDEK, Henryk T.;KIM, SungKwon;LAI, Chengjung;LASARO, Melissa;MCKNIGHT, Susan Faas;PARK, Jihye~ 33:US ~31:63/301,454 ~32:20/01/2022;33:US ~31:63/328,629 ~32:07/04/2022

2024/06321 ~ Complete ~54:NODE VISIBILITY TRIGGERS IN EXTENDED REALITY SCENE DESCRIPTION ~71:InterDigital CE Patent Holdings, SAS, 3 rue du Colonel Moll, PARIS 75017, FRANCE, France ~72: FONTAINE, Loic;HIRTZLIN, Patrice;JOUET, Pierrick;LELIEVRE, Sylvain~ 33:EP ~31:22305197.0 ~32:23/02/2022

2024/06323 ~ Complete ~54:WATER-SOLUBLE UNIT DOSE ARTICLE COMPRISING A FIBROUS NON-WOVEN SHEET AND A SURFACTANT SYSTEM ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: BULLIVANT, Timothy;TANTAWY, Hossam Hassan~ 33:EP ~31:22158557.3 ~32:24/02/2022

- APPLIED ON 2024/08/19 -

2024/06340 ~ Provisional ~54:WHEEL ~71:JHB WHEELS CC, 7 VISAGIE ROAD PRETORIUSSTAD, South Africa ~72: GERBER, Barend Jacobus~

2024/06346 ~ Complete ~54:GREENHOUSE GAS EMISSION CONCENTRATION ONLINE MONITORING DEVICE ~71:Jiangsu University of Technology, No. 1801, Zhongwu Avenue, Changzhou City, Jiangsu Province, 213001, People's Republic of China ~72: Chen Dong~

2024/06357 ~ Complete ~54:COMPOSITIONS AND METHODS FOR DEPLETION OF DISEASED HEMATOPOIETIC STEM CELLS ~71:Jasper Therapeutics, Inc., 2200 Bridge Parkway, Suite 102, REDWOOD CITY 94065, CA, USA, United States of America ~72: KWON, Hye-sook;PANG, Wendy~ 33:US ~31:63/314,917 ~32:28/02/2022

2024/06359 ~ Complete ~54:MODULATORS OF INTEROCEPTION ~71:CHIARUGI, Alberto, Via di Serpiolle 5, FIRENZE 50141, ITALY, Italy ~72: CHIARUGI, Alberto~ 33:IT ~31:102022000000878 ~32:20/01/2022

2024/06338 ~ Provisional ~54:SLIM PUMP METERED-DOSE INHALER FOR WEIGHT MANAGEMENT ~71:Tebogo Gaster Tihopane, 1 Oostersland Avenue, 170 Waterford View Estate, Bloubosrand, South Africa;Tebogo Gaster Tihopane, 1 Oostersland Avenue, 170 Waterford View Estate, Bloubosrand, South Africa ~72: Tebogo Gaster Tihopane~ 33:ZA ~31:000001 ~32:11/08/2024

2024/06350 ~ Complete ~54:DISHWASHING TABLET, AND PREPARATION METHOD AND USE METHOD THEREOF ~71:Guangzhou Joyson Cleaning Products Co., Ltd., (Factory Room I-1) Self-edit Building 1, No. 100 Beilong Road, Dagang Town, Nansha District, Guangzhou,, Guangdong, 511470, People's Republic of China ~72: Fenglei LI;Jianfeng SUN;Min SUN;Na LAN;Xiangjian ZENG;Yumei HUANG~

2024/06351 ~ Complete ~54:QUICK-REBOUND COMPRESSION-TYPE HYDRO-CYLINDER PACKER AND METHOD FOR SEALING HOLE WITH PACKER ~71:HOHAI UNIVERSITY, No.1 Xikang Road, Nanjing, Jiangsu, 210024, People's Republic of China;JIANGSU ZHONGKONG ENERGY TECHNOLOGY CO., LTD., Room 2601, Building 5, Fengyi Garden, Moling Street, Jiangning District, Nanjing, Jiangsu, 211111, People's Republic of China;POWERCHINA Huadong Engineering Corporation Limited, No.22 Chaowang Road, Hangzhou, Zhejiang, 310014, People's Republic of China ~72: HU, Shaobin;JIANG, Yingchong;LI, Chen;WANG, Long;XI, Lingzhi;YANG, Huai;ZHANG, Qiang~ 33:CN ~31:202310254474.8 ~32:16/03/2023

2024/06336 ~ Provisional ~54:ELECTROLYTIC POWER CABLE ~71:Endleko Possible Caleb Nwaila, 1996 THOLO ST, South Africa;Reward Jonas Madalane, 4090 Kgotso Street, Ivory park, South Africa ~72: Endleko Possible Caleb Nwaila;Reward Jonas Madalane~

2024/06341 ~ Provisional ~54:GEYSER ANODE ~71:Kevin Patrick Austin PEARMAN, 21 Chaucer Avenue, Senderwood, South Africa ~72: Kevin Patrick Austin PEARMAN~

2024/06348 ~ Complete ~54:DETERGENT SHEET ~71:Guangzhou Joyson Cleaning Products Co., Ltd., (Factory Room I-1) Self-edit Building 1, No. 100 Beilong Road, Dagang Town, Nansha District, Guangzhou,, Guangdong, 511470, People's Republic of China ~72: Fenglei LI;Jianfeng SUN;Min SUN;Na LAN;Xiangjian ZENG;Yumei HUANG~

2024/06342 ~ Provisional ~54:SLURRY AND LIQUID MIXERS ~71:Barend Jacobus BEYLEFELD, 10 Goodstar, Coastal Road, Mauritius ~72: Barend Jacobus BEYLEFELD~

2024/06358 ~ Complete ~54:THERAPY OF INTEROCEPTION DISORDERS WITH CGRP RECEPTOR ANTAGONISTS ~71:CHIARUGI, Alberto, Via di Serpiolle 5, FIRENZE 50141, ITALY, Italy ~72: CHIARUGI, Alberto~ 33:IT ~31:102022000000869 ~32:20/01/2022

2024/06360 ~ Complete ~54:SET SHUFFLING ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: BURNS, Alec;WRIGHT, Craig Steven~ 33:GB ~31:2203988.7 ~32:22/03/2022

2024/06339 ~ Provisional ~54:A FENCE ~71:Clear Creek Trading 167 (Pty) Ltd., 11 Brammer Street, South Africa ~72: SWARTZ, Trevor Michael Valiant~

2024/06349 ~ Complete ~54:TWO-IN-ONE SOLID DETERGENT COMPOSITION AND ITS PREPARATION METHOD ~71:Guangzhou Joyson Cleaning Products Co., Ltd., (Factory Room I-1) Self-edit Building 1, No. 100 Beilong Road, Dagang Town, Nansha District, Guangzhou,, Guangdong, 511470, People's Republic of China ~72: Fenglei LI;Jianfeng SUN;Min SUN;Na LAN;Yumei HUANG~

2024/06364 ~ Complete ~54:PYRAZOLYL COMPOUNDS AS KV7 CHANNEL ACTIVATORS ~71:BioHaven Therapeutics Ltd., c/o Biohaven Pharmaceuticals, Inc., 215 Church Street, NEW HAVEN 06510, CT, USA, United States of America ~72: AMAYE, Isis J.;FLENTGE, Charles A.;HALE, James S.;MARESKA, David A;PATHI, Suman;RESNICK, Lynn~ 33:US ~31:63/313,208 ~32:23/02/2022

2024/06367 ~ Complete ~54:A METHOD FOR ASSESSMENT OF A HEMODYNAMIC RESPONSE TO AN ADENOSINE RECEPTOR AGONIST STIMULATION, SYSTEM FOR ASSESSMENT OF IT AND COMPUTER READABLE MEDIUM ~71:HEMOLENS DIAGNOSTICS SP. Z.O.O., ul. Legnicka 48G, Wroclaw, 54-202, Poland ~72: KRYSPIN MIROTA;MONIKA AULICH~

2024/06347 ~ Complete ~54:SAFETY NET ~71:NIXON, Timothy Edward Piggott, 37 Company Road, Mnandi, CENTURION 0149, Gauteng, SOUTH AFRICA, South Africa ~72: NIXON, Timothy Edward Piggott~ 33:ZA ~31:2023/07506 ~32:28/07/2023

2024/06356 ~ Complete ~54:METHODS OF ADMINISTERING FVIII MIMETIC BISPECIFIC ANTIBODIES ONCE MONTHLY ~71:Novo Nordisk Health Care AG, The Circle 32/38, ZÜRICH 8058, SWITZERLAND, Switzerland ~72: KREILGÅRD, Mads;MATYTSINA, Irina Alekseyevna~ 33:EP ~31:22159642.2 ~32:02/03/2022;33:EP ~31:22159643.0 ~32:02/03/2022;33:EP ~31:22212144.4 ~32:08/12/2022

2024/06353 ~ Complete ~54:A CARTON ~71:MM NEWPORT LTD., Robin Mills Leeds Road, Idle, United Kingdom ~72: ARCHAMBAULT, Steven Gerard~ 33:US ~31:17/674,294 ~32:17/02/2022

2024/06355 ~ Complete ~54:GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR-BASED TREATMENTS FOR NEURODEGENERATIVE OR NEUROLOGICAL DISEASES OR DISORDERS ~71:PARTNER THERAPEUTICS, INC., 19 MUZZEY STREET, LEXINGTON MA 02421, USA, United States of America ~72: BOYD, Timothy;JOSHI, Ila;ROCK, Edwin~ 33:US ~31:63/309,220 ~32:11/02/2022

2024/06366 ~ Complete ~54:METHODS, DOSAGE REGIMENS, AND COMPOSITIONS FOR TREATING HIDRADENITIS ~71:PFIZER INC., 235 East 42nd Street, New York, New York, 10017, United States of America ~72: ANDREW FENSOME;BRIAN STEPHEN GERSTENBERGER;DAFYDD RHYS OWEN~ 33:US ~31:63/320,913 ~32:17/03/2022

2024/06345 ~ Complete ~54:IRRIGATION DEVICE FOR CITRUS PLANTING ~71:Institute of Mountain Hazards and Environment, Chinese Academy of Science, No. 189 Qunxian South Street, Tianfu New Area, Chengdu, Sichuan Province, People's Republic of China ~72: HUANG Xue;WAGN Haiming~

2024/06361 ~ Complete ~54:NOVEL SLOW DISSOLVE WATER TREATMENT COMPOSITIONS ~71:Innovative Water Care, LLC, 1400 Bluegrass Lakes Parkway, ALPHARETTA 30004, GA, USA, United States of America ~72: BARTON, Karllee R.;MEYER, Ellen M.;ROBBINS, Michael;ROWHANI, Touraj~ 33:US ~31:63/304,293 ~32:28/01/2022

2024/06363 ~ Complete ~54:PYRAZOLYL COMPOUNDS AS KV7 CHANNEL ACTIVATORS ~71:BioHaven Therapeutics Ltd., c/o Biohaven Pharmaceuticals, Inc., 215 Church Street, NEW HAVEN 06510, CT, USA, United States of America ~72: AMAYE, Isis J.;FLENTGE, Charles A.;HALE, James S.;MARESKA, David A;PATHI, Suman;RESNICK, Lynn~ 33:US ~31:63/313,212 ~32:23/02/2022

2024/06368 ~ Complete ~54:AERATED COSMETIC COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: EVAN LYNN SMITH;KRISTA ROMAN PEREIRA;MICHAEL BRANDON ALTAMURA~ 33:US ~31:63/336,374 ~32:29/04/2022;33:EP ~31:22173451.0 ~32:16/05/2022

2024/06343 ~ Complete ~54:HEALTH MANAGEMENT SYSTEM FOR PREMATURE BABIES AFTER DISCHARGE ~71:Wuxi Maternity and Child Health Care Hospital, Affiliated Women's Hospital of Jiangnan University, No.48 Huaishu Lane, Liangxi District, Wuxi City, Jiangsu Province, People's Republic of China ~72: PEI Jingjing;QI Ying~

2024/06344 ~ Complete ~54:MAGNETIC-FIELD- ASSISTED LASER CLEANING METHOD ~71:Shanghai University of Engineering Science, NO.333, Longteng Road, Songjiang District, Shanghai, People's Republic of China ~72: CHENG Riping;LUO Jian;TANG Zihan;WANG Ying~ 33:CN ~31:2024101525867 ~32:03/02/2024

2024/06352 ~ Complete ~54:THIENOPYRROLOTRIAZINE COMPOUNDS, THEIR PREPARATION AND THEIR THERAPEUTIC USE ~71:SANOFI, 46 Avenue de la Grande, France ~72: ARNOUD, Olivier;CAUSSANEL, Franck;DADJI-FAIHUN, Rommel;LANGOT, Gwladys;MARGUET, Frank;VENIER, Olivier~ 33:EP ~31:22315036.8 ~32:21/02/2022

2024/06354 ~ Complete ~54:METHODS OF REDUCING HERBICIDAL STRESS USING HUMIC AND FULVIC ACID COMPOSITION TREATMENTS ~71:PRO FARM GROUP, INC., 1540 Drew Avenue, Davis, California, 95618, United States of America ~72: VIRTA, Kalle~ 33:US ~31:63/316,383 ~32:03/03/2022

2024/06362 ~ Complete ~54:AERONAUTIC GROUND LIGHT FIXTURE WITH RF ANTENNA ~71:ADB Safegate BV, Leuvensesteenweg 585, ZAVENTEM 1930, BELGIUM, Belgium ~72: DE VOS, Chris;JELU, André;LE ROUX, Martin~ 33:EP ~31:22179305.2 ~32:15/06/2022

2024/06365 ~ Complete ~54:ELECTROLYSIS DEVICE WITH A SKID-MOUNTED STRUCTURE ~71:BLUESTAR (BEIJING) CHEMICAL MACHINERY CO., LTD, 5 Xingye Street, Beijing Economic and Technological Development Zone, Beijing, 100176, People's Republic of China ~72: GANG WANG;MINGYUE SHAN;TANGJUAN HUANG;YANG WAN;YUNTONG PEI~ 33:CN ~31:202210094424.3 ~32:26/01/2022

2024/06337 ~ Provisional ~54:SYSTEM AND METHOD FOR GOLD-BACKED CRYPTOCURRENCY BULLION COIN ON CRYPTO CURRENCY EXCHANGE ~71:Edwin Thabo Letopa, 1 Retief St , Roodepoort, South Africa ~72: Bataung Lemathiyane Family Trust;Edwin Thabo Letopa~

2024/06399 ~ Provisional ~54:PROJECT ULTR-I-MATE BEARING ENHANCEMENT METHODOLOGY ~71:MR VUYO LENNOX MASHIA, 1319 MATLAKENG STREET ZAMDELA, South Africa ~72: MR VUYO LENNOX MASHIA~

- APPLIED ON 2024/08/20 -

2024/06374 ~ Complete ~54:ECOLOGICAL RESTORATION DEVICE FOR SURFACE VEGETATION IN KARST DEPRESSION AND RESTORATION METHOD THEREOF ~71:Institute of Mountain Hazards and Environment, Chinese Academy of Science, No. 189 Qunxian South Street, Tianfu New Area, Chengdu, Sichuan Province, People's Republic of China ~72: CUI Junfang; LU Mei; TANG Jialiang; ZHENG Jing~

2024/06379 ~ Complete ~54:CONTAINER AND METHOD OF ERECTING A CONTAINER ~71:APL Cartons (Pty) Ltd, Abattoir Road, South Africa ~72: KLEINHANS, Frederick~ 33:ZA ~31:2023/08173 ~32:24/08/2023

2024/06384 ~ Complete ~54:ANTIBODY AGAINST HER3, CONJUGATE AND USE THEREOF ~71:MEDILINK THERAPEUTICS (SUZHOU) CO., LTD., Unit 101, Block B3, Biotech Industrial Park, 218 Xinghu Street, Suzhou Industrial Park, Suzhou Area Of China (Jiangsu) Pilot Free Trade Zone, People's Republic of China ~72: Jiaqiang CAI~ 33:CN ~31:202210089838.7 ~32:25/01/2022

2024/06393 ~ Complete ~54:ARYL HYDROCARBON RECEPTOR AGONISTS AND USES THEREOF ~71:Nexys Therapeutics, Inc., 9276 Scranton Road, Suite 500, SAN DIEGO 92121, CA, USA, United States of America ~72: JIN, Qihui; WU, Tom Yao-Hsiang~ 33:US ~31:63/306,458 ~32:03/02/2022

2024/06397 ~ Complete ~54:METHODS FOR TREATING MYOSITIS USING FCRN ANTAGONISTS ~71:argenx BV, Industriepark-Zwijnaarde 7, ZWIJNAARDE (GHENT) 9052, BELGIUM, Belgium ~72: BOYER, Olivier; DROUOT, Laurent; VAN DER WONING, Sebastian Paul~ 33:US ~31:63/268,312 ~32:21/02/2022; 33:US ~31:63/269,430 ~32:16/03/2022; 33:US ~31:63/365,824 ~32:03/06/2022; 33:US ~31:63/407,369 ~32:16/09/2022

2024/06371 ~ Complete ~54:WEAR-RESISTANT, HIGH-TOUGHNESS ULTRA-HIGH-CHROMIUM STEEL BALL MATERIAL AND PREPARATION METHOD THEREOF ~71:Kuancheng Shuangxing Mining Equipment Manufacturing Co., Ltd., Mujiangtun Village, Dadi Township, Kuancheng Manchu Autonomous County, Chengde City, Hebei, 067000, People's Republic of China ~72: DU, Xiangke; DU, Xiangsheng; JI, Hongchao; MA, Jun; ZHANG, Fengjun~ 33:CN ~31:202410533924.1 ~32:29/04/2024

2024/06387 ~ Complete ~54:FATTY ACID COMPOSITIONS ~71:FERA DIAGNOSTICS AND BIOLOGICALS CORP., 5900 Matrix Drive Suite 10, College Station, Texas, 77845, United States of America ~72: LEONARDO BRINGHENTI; MARJORY XAVIER RODRIGUES; RODRIGO CARVALHO BICALHO~ 33:US ~31:63/319,545 ~32:14/03/2022

2024/06370 ~ Provisional ~54:SILICONE INNERS FOR MANUFACTURING MACHINERY IN THE FOODS AND COSMETICS INDUSTRY ~71:Nurah Allie, 10a Kent Road, South Africa ~72: Nurah Allie~

2024/06373 ~ Complete ~54:CEREBROVASCULAR DISEASE INFORMATION DETECTION DEVICE ~71:Nanjing Pukou People's Hospital, Nanjing, China, No. 166, Shanghe Street, Pukou District, Nanjing, Jiangsu, 211899, People's Republic of China ~72: BAI, Min; CAO, Lihua; LI, Chao; SHENG, Weiwei; TAN, Lin; WANG, Xiaolei~

2024/06388 ~ Complete ~54:CATHETERS FOR LOCO-REGIONAL PERFUSION SYSTEMS ~71:DINAQOR AG, Wagistrasse 25, 8952, Schlieren, Switzerland ~72: JOHANNES HOLZMEISTER; MARK DEHDASHTIAN; MAX EMMERT; NADINE TROES; NIKOLA CESAROVIC; OLE BLANK; PHILIPPE BENNANI KAMANE; VALERIA RICOTTI~ 33:US ~31:63/312,029 ~32:20/02/2022

2024/06391 ~ Complete ~54:AUTONOMOUS VIDEO CONFERENCING SYSTEM WITH VIRTUAL DIRECTOR ASSISTANCE ~71:Huddly AS, St.Olvas Plass, Postboks, OSLO 6715, NORWAY, Norway ~72: ALSTAD, Håvard Pedersen; BECSEI, Tamas; BYHRING, Therese; ERIKSEN, Stein Ove; HAFSTAD, Jon Tore; HAMMER, Vegard; HANSEN, Patrik Kvarme; JAKOBSEN, Oleg; KORNELIUSSEN, Jan Tore; KVAMSTAD,

Bendik;LAURITZEN, Mona Kleven;LOPEZ, Aida C.;NILSSEN, Vebjorn Boge;SCHMIDT, Niklas;SELBEK, Stian;STENSEN, Lars Erling;TEPPAN, Knut Helge;WIG, Kai Alexander;YOU, Elena~ 33:US ~31:17/678,954 ~32:23/02/2022

2024/06369 ~ Provisional ~54:APEX ULTRA PATENT ~71:Paul black, 15 Dunker Street , Melkbosstrand, 7441, South Africa ~72: Paul Black~

2024/06372 ~ Complete ~54:METHOD FOR EXTRACTING EXTRACELLULAR POLYMERIC SUBSTANCES FROM CHLORELLA PYRENOIDOSA ~71:Zhejiang University of Science And Technology, Zhejiang University of Science And Technology, 318 Liuhe Road, Hangzhou City, Zhejiang Province, 310023, People's Republic of China ~72: FANG, Jing;GAO, Xuan;JIANG, Lingya;LIU, Longjiang;ZHANG, Haozhe~

2024/06378 ~ Complete ~54:MECHANICAL BEARING FAULT DIAGNOSIS SYSTEM AND METHOD ~71:Zhejiang Normal University, No.688 Yingbin Avenue, Jinhua City, Zhejiang Province, 321004, People's Republic of China ~72: DONG Zhilin;JIANG Yonghua;JIAO Weidong;LIN Daxuan;LIU Siyu;SUN Jianfeng;TANG Chao;XU Wanxiu~

2024/06385 ~ Complete ~54:METALLURGICAL FURNACE WITH FLUID-COOLING SYSTEM ~71:GREYLING, Frederik Petrus, 5 St George Avenue, Midlands Estate, South Africa ~72: GREYLING, Frederik Petrus~ 33:ZA ~31:2022/04684 ~32:28/04/2022

2024/06390 ~ Complete ~54:COMPOUNDS AND THEIR USE IN TREATING CANCER ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: ASTLES, Peter;BAGAL, Sharanjeet Kaur;CASSAR, Doyle Joseph;DIENE, Coura Rosalie;FALLAN, Charlene;GINGIPALLI, Lakshmaiah;KAWATKAR, Sameer Pralhad;NISSINK, Johannes Wilhelmus Maria;PACKER, Martin John;SCOTT, James;YE, Qing~ 33:US ~31:63/266,982 ~32:21/01/2022

2024/06396 ~ Complete ~54:THR BETA ANALOGS AND USES THEREOF ~71:Madrigal Pharmaceuticals, Inc., Four Tower Bridge, 200 Barr Harbor Drive, Suite 200, WEST CONSHOHOCKEN 19428, PA, USA, United States of America ~72: CONFALONE, Pasquale N.;HENNAN, James K.~ 33:US ~31:63/308,709 ~32:10/02/2022;33:US ~31:63/419,790 ~32:27/10/2022

2024/06380 ~ Complete ~54:CDK INHIBITORS AND THEIR USE AS PHARMACEUTICALS ~71:PRELUDE THERAPEUTICS, INCORPORATED, 200 Powder Mill Road, Experimental Station E440/3213, Wilmington, Delaware, 19803, United States of America ~72: ANDREW PAUL COMBS;ANDREW W BUESKING;JINCONG ZHUO;RYAN HOLMES;SARAH PAWLEY;XIAOWEI WU~ 33:US ~31:63/081,126 ~32:21/09/2020;33:US ~31:63/221,959 ~32:15/07/2021

2024/06392 ~ Complete ~54:METHODS OF ADMINISTERING FVIII MIMETIC BISPECIFIC ANTIBODIES ONCE WEEKLY ~71:Novo Nordisk Health Care AG, The Circle 32/38, ZÜRICH 8058, SWITZERLAND, Switzerland ~72: KREILGÅRD, Mads;MATYTSINA, Irina Alekseyevna~ 33:EP ~31:22159642.2 ~32:02/03/2022;33:EP ~31:22159646.3 ~32:02/03/2022;33:EP ~31:22212144.4 ~32:08/12/2022

2024/06376 ~ Complete ~54:SWIVELING FISHING ROD HOLDER ASSEMBLY ~71:GOUWS, MARK LUKE, 2 Montaque Road, South Africa ~72: GOUWS, MARK LUKE~

2024/06381 ~ Complete ~54:METHOD OF, AND SYSTEM FOR, SUPPLEMENTING DISPLAY DATA ~71:WARPONE (PTY) LTD., 327 Eridanus Street, Waterkloof Ridge, Pretoria, 0181, South Africa ~72: JACOB JOHANNES LUBBE;PAUL SCHELLER~

2024/06389 ~ Complete ~54: BENZOPYRIMIDINE COMPOUNDS AND USE THEREOF ~71: Usynova Pharmaceuticals Ltd., 2nd Floor, Building 8, No. 88 Darwin Road, China (Shanghai) Pilot Free Trade Zone, SHANGHAI 201203, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Shuhui;GENG, Kaijun;LI, Jian;SUN, Jikui;WU, Wentao;XU, Yangyang;ZHANG, Yang~ 33:CN ~31:202210072243.0 ~32:21/01/2022;33:CN ~31:202210113080.6 ~32:29/01/2022;33:IB ~31:2022/075732 ~32:09/02/2022;33:CN ~31:202210239568.3 ~32:11/03/2022;33:CN ~31:202210693538.X ~32:17/06/2022;33:CN ~31:202210837790.3 ~32:15/07/2022;33:CN ~31:202210989455.5 ~32:17/08/2022

2024/06395 ~ Complete ~54: DI-CYCLOPROPYL BASED IL-17A MODULATORS AND USES THEREOF ~71: DICE Alpha, Inc., Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: CHURCH, Timothy J.;FATHEREE, Paul R.;LINSELL, Martin S.;PAULICK, Margot G.;REILLY, Maureen~ 33:US ~31:63/314,257 ~32:25/02/2022

2024/06375 ~ Complete ~54: SUBSTITUTED 1H-PYRAZOLO [4,3-C] QUINOLINES, METHODS OF PREPARATION, AND USE THEREOF ~71: LOMOND THERAPEUTICS, INC., 12730 High Bluff Drive, Suite 100, United States of America ~72: ABAGYAN, Ruben;IVACHTCHENKO, Alexandre Vasilievich;MITKIN, Oleg;PARCHINSKY, Vladislav Zenonovich;PUSHECHNIKOV, Alexei;SAVCHUK, Nikolay~ 33:US ~31:63/256,260 ~32:15/10/2021

2024/06377 ~ Complete ~54: CONTAINER AND METHOD OF ERECTING A CONTAINER ~71: APL Cartons (Pty) Ltd, Abattoir Road, South Africa ~72: PORTWIG, Heinrich~ 33:ZA ~31:2023/08171 ~32:24/08/2023

2024/06382 ~ Complete ~54: SUPER ABSORBENT LEAK PROOF BIB ~71: KASSEL, Lee-Anne, 143 Railway Road, Florida, South Africa ~72: KASSEL, Lee-Anne~ 33:ZA ~31:2023/08198 ~32:23/08/2023

2024/06394 ~ Complete ~54: ANTIBODY-DRUG CONJUGATES AND THEIR USES ~71: Mablink Bioscience, 60 Avenue Rockefeller, Immeuble ADENINE, LYON 69008, FRANCE, France ~72: VIRICEL, Warren~ 33:EP ~31:22305279.6 ~32:11/03/2022

2024/06398 ~ Complete ~54: A NOVEL CATIONIC ADJUVANT COMPOSITION ~71: Statens Serum Institut, Artillerivej 5, COPENHAGEN S 2300, DENMARK, Denmark ~72: CHRISTENSEN, Dennis;MORTENSEN, Rasmus;PEDERSEN, Gabriel;WOODWORTH, Joshua~ 33:EP ~31:22157663.0 ~32:21/02/2022

2024/06383 ~ Complete ~54: ANTIBODY DRUG CONJUGATES COMPRISING STING AGONISTS, COMBINATIONS AND METHODS OF USE ~71: MERSANA THERAPEUTICS, INC., 840 Memorial Drive, Cambridge, United States of America ~72: BUKHALID, Raghida A.;CETINBAS, Naniye;DAMELIN, Marc I.;LOWINGER, Timothy B.;TOADER, Dorin~ 33:US ~31:63/317,472 ~32:07/03/2022;33:US ~31:63/329,680 ~32:11/04/2022

2024/06386 ~ Complete ~54: METHOD FOR PRODUCING MANGANESE(II) SULFATE MONOHYDRATE FROM BY-PRODUCT OF ZINC REFINING PROCESS ~71: KOREA ZINC CO., LTD., 542, Gangnam-daero, Gangnam-gu, Seoul, 06110, Republic of Korea ~72: MIN JI KIM;SANG CHIL PARK~ 33:KR ~31:10-2022-0111576 ~32:02/09/2022;33:KR ~31:10-2022-0155259 ~32:18/11/2022

- APPLIED ON 2024/08/21 -

2024/06400 ~ Provisional ~54: DENTAL IMPLANT ~71: UNIVERSITY OF SOUTH AFRICA, Muckleneuk Campus, Theo van Wyk Building,, PRETORIA 0001, SOUTH AFRICA, South Africa ~72: LEBEA, Lebogang;MODUNGWA, Dithoto;MTETWA, Winnie;MUNENGE, Emmanuel;NEMAVHOLA, Fulufhelo;NGWANGWA, Harry;PANDELANI, Thanyani~

2024/06401 ~ Provisional ~54:LIGHT FITTING ~71:ELECTROFLAME MANUFACTURING (PTY) LTD., 83 Brand Street, President Park Ah, Midrand, Gauteng, South Africa ~72: MICHEL WEEKS~

2024/06405 ~ Complete ~54:FLEXIBLE WATERPROOF AND MOISTURE PERMEABLE MEMBRANE AND PREPARATION METHOD THEREOF ~71:Anhui Polytechnic University, Beijing Middle Road, Wuhu City, Anhui Province, 241004, People's Republic of China ~72: AN Jiayi;PAN Xianmiao;RUAN Fangtao;SHI Hu;WANG He;WANG Hongjie;XU Manyu;ZHANG Shuangyu;ZHOU Changyu~

2024/06412 ~ Complete ~54:COMPOSITIONS AND METHODS FOR MODULATING SCAP ACTIVITY ~71:DICERNA PHARMACEUTICALS, INC, 75 Hayden Avenue, Lexington, United States of America ~72: BROWN, Bob Dale;CHEONG, Seongmoon;DUDEK, Henryk ,T.;SPIEGELMAN, Nicole Alexis~ 33:US ~31:63/363,091 ~32:15/04/2022

2024/06413 ~ Complete ~54:ENERGY HANDLING SYSTEM ~71:KILIANNRGS, Grasdreef 12, bus 0004, 8200 Sint-Michiels Brugge, Belgium ~72: D'HONDT, Filip;DE LILLE, Kilian~ 33:EP ~31:22154864.7 ~32:02/02/2022

2024/06417 ~ Complete ~54:IMPROVED THERMOPLASTIC CARBON PRECURSOR MATERIAL FOR APPLICATION IN COATING, BINDING, AND IMPREGNATION PROCESSES FOR THE MANUFACTURING OF ELECTRODES FOR STEEL AND ALUMINUM PRODUCTION AND BATTERIES ~71:RAIN CARBON BV, Vredekaai 18, 9060, Zelzate, Belgium;RAIN CARBON GERMANY GMBH, Kekuléstraße 30, 44579, Castrop-Rauxel, Germany ~72: BRAM DENOO;CHRISTOPHER KUHN;JORIS CLAES;MICHAEL SPAHR~ 33:EP ~31:22152942.3 ~32:24/01/2022

2024/06422 ~ Complete ~54:PLATED STEEL MATERIAL ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan ~72: GOTO, Yasuto;ISHII , Kotaro;SAITO, Mamoru;TOKUDA , Kohei~ 33:JP ~31:2022-025405 ~32:22/02/2022

2024/06424 ~ Provisional ~54:SMART STOVE ~71:PASEKA THABISO MALISE, 6790 DON JAUN STREET, SEVILLA ESTATE, CENTURION, South Africa ~72: PASEKA THABISO MALISE ~

2024/06402 ~ Provisional ~54:REMOTE-MONITORING ENABLED DEWAR FLASK ~71:BEYOND WIRELESS TECHNOLOGIES (PTY) LTD, Building 13, The Woodlands Office Park, 20 Woodlands Drive, Woodlands, South Africa ~72: LESTER, Ian;RACHELSON, Dion~

2024/06406 ~ Complete ~54:A GLASS CLOTH HONEYCOMB CORE MATERIAL AND A PREPARATION METHOD THEREOF ~71:Wen'an County Hongshuo Composite Materials Technology Co., Ltd., (100 Meters East of the Railway Track) Luding Village, Xinzhen Town, Wenan County, Langfang City, Hebei Province, 065800, People's Republic of China ~72: Qingming Wang;Song Li;Tongwei Zhang~ 33:CN ~31:202411092385.9 ~32:09/08/2024

2024/06408 ~ Complete ~54:MUTANT L-THREONINE-RELEASING PROTEIN AND METHOD FOR PRODUCING L-THREONINE USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: BAEK, Mina;CHEONG, Ki Yong;CHOI, Woosung;JANG, Jaewon~ 33:KR ~31:10-2022-0028809 ~32:07/03/2022

2024/06416 ~ Complete ~54:MUON DETECTOR FOR MUON TOMOGRAPHY ~71:KOBOLD METALS COMPANY, 64 Shattuck Square, Suite 210 Berkeley, California 94704, United States of America ~72: DANIEL SNOWDEN-IFFT;JEAN-LUC GAUVREAU;JESSICA KIRKPATRICK~ 33:US ~31:17/673,567 ~32:16/02/2022

2024/06407 ~ Complete ~54:GLASS SURFACE DEFECT DETECTION METHOD ~71:SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES, Shanghai University Of Medicine And Health Sciences, No. 279

Zhouzhu Road Pudong New Area, Shanghai, 200135, People's Republic of China ~72: KOMOLAFE, Temitope Emmanuel;WANG, Xinyu;XIONG, Honglin;ZHAO, Wenlong;ZHOU, Liang;ZHOU, Shiqing~

2024/06419 ~ Complete ~54:ORAL PCLX-001 IN THE TREATMENT OF HUMAN CANCER ~71:PACYLEX PHARMACEUTICALS INC., 400 3rd Avenue SW, Suite 3700, Calgary Alberta, T2P 4H2, Canada ~72: JOHN ROBERT MACKEY;NEAL MAYNARD DAVIES~ 33:US ~31:63/316,153 ~32:03/03/2022

2024/06404 ~ Complete ~54:NONWOVEN FABRIC-BASED ELECTROMAGNETIC SHIELDING MATERIAL AND PREPARATION METHOD THEREOF ~71:Anhui Polytechnic University, Beijing Middle Road, Wuhu City, Anhui Province, 241004, People's Republic of China ~72: LI Hailu;LU Hao;RUAN Fangtao;WANG Chen;WANG He;WANG Hongjie;XU Rongrong;YAO Lan;ZHANG Menghan~

2024/06410 ~ Complete ~54:CONVEYANCE GUIDE DRIVE MECHANISM, PAPER SHEET CONVEYING DEVICE, METHOD FOR CONTROLLING PAPER SHEET CONVEYING DEVICE, AND PAPER SHEET HANDLING DEVICE ~71:JAPAN CASH MACHINE CO., LTD., 2-11-18 NAMBANAKA, NANIWA-KU, OSAKA-SHI, OSAKA 5560011, JAPAN, Japan ~72: HARAGUCHI, Kohei~ 33:JP ~31:2022-029786 ~32:28/02/2022

2024/06418 ~ Complete ~54:CHROMANOL COMPOUNDS FOR TREATMENT OR PROPHYLAXIS OF AGEING-ASSOCIATED DISORDERS ~71:SULFATEQ B.V., Admiraal de Ruyterlaan 5a, 9726, GN Groningen, Netherlands ~72: ADRIANUS CORNELIS VAN DER GRAAF;DANIËL HENRI SWART;GUIDO KRENNING;ROBERT HENK HENNING~ 33:NL ~31:2031091 ~32:28/02/2022

2024/06409 ~ Complete ~54:VARIANT L-THREONINE EXPORT PROTEIN AND METHOD OF PRODUCING L-THREONINE USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: BAEK, Mina;CHEONG, Ki Yong;CHOI, Woosung;JANG, Jaewon~ 33:KR ~31:10-2022-0028808 ~32:07/03/2022

2024/06414 ~ Complete ~54:METHOD FOR PROCESSING DAIRY BOTTLE RECYCLATE IN A NEW PRODUCTION OF DAIRY BOTTLES (CLOSED-LOOP, BOTTLE-TO- BOTTLE) AND PRODUCT OBTAINED FROM IT ~71:RESILUX N.V., Damstraat 4, 9230, Belgium ~72: ANTHIERENS, Tom;DE CUYPER, Dirk;LENAIN, Pieterjan~ 33:BE ~31:2022/5068 ~32:03/02/2022

2024/06415 ~ Complete ~54:ELECTRIC RESISTANCE WELDED STEEL PIPE OR TUBE AND PRODUCTION METHOD THEREFOR ~71:JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo, 1000011, Japan ~72: AKIHIDE MATSUMOTO;ATSUSHI MATSUMOTO;RYO NAKAZAWA;SHINSUKE IDE~ 33:JP ~31:2022-073730 ~32:27/04/2022

2024/06421 ~ Complete ~54:PRODUCTION OF COLOURED FUNGAL MYCELIUM ~71:Mushlabs GmbH, Humboldtstr. 59, HAMBURG 22083, GERMANY, Germany ~72: AYASS, Wassim W.;GODARD, Thibault;LAU CHIN YEE, Cindy;NASSAR, Marian~ 33:EP ~31:22158658.9 ~32:24/02/2022

2024/06423 ~ Complete ~54:DISSECTION STATION AND INSTALLATION ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, South Africa ~72: BAATJES, Karin;PRETORIUS, Paul Nicholaas Bester~ 33:GB ~31:2202495.4 ~32:23/02/2022

2024/06403 ~ Complete ~54:PEARL GRADING APPARATUS ~71:Zhejiang University of Science And Technology, 318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang Province, 310023, People's Republic of China ~72: CAI, Chenggang;FENG, Xi;RAO, Zhongwei;SHI, Yang;YE, Yuesong;YU, Aihua~

2024/06411 ~ Complete ~54:POWER SAVING IN CELLULAR COMMUNICATION NETWORKS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KOSKINEN, Jussi-Pekka;TURTINEN, Samuli, Heikki~ 33:FI ~31:20225054 ~32:24/01/2022

2024/06420 ~ Complete ~54:CONTACT LENS PRODUCT AS WELL AS PACKAGING CASE THEREOF AND TEST METHOD THEREFOR ~71:Pegavision Corporation, 2F-1, No. 5, Shing Yeh St, Guishan Dist., TAOYUAN CITY 333, TAIWAN, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Po-Chun;HUANG, Yi-Fang~

- APPLIED ON 2024/08/22 -

2024/06435 ~ Complete ~54:METHOD FOR INCREASING THE YIELD OF ROUNDED GRAPHITE PARTICLES ~71:NETZSCH Trockenmahntechnik GmbH, Rodenbacher Chaussee 1, HANAU 63457 , GERMANY, Germany ~72: HÖFELS, Christian;SCHÖBEL, Patrick;WINTER, Frank~ 33:DE ~31:10 2023 122 651.7 ~32:23/08/2023

2024/06447 ~ Complete ~54:GRAIN DEHYDRATION AND COLLECTING MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Ajay Senthilkumar;Karpaga harish Senthil kumar;Karthi Jeeva;Veluchamy Balakrishnan;Venkat Raman R K~

2024/06451 ~ Complete ~54:GASIFIER ~71:CHANGZHENG ENGINEERING CO., LIMITED, No.141, Jinghai 4th Road, People's Republic of China ~72: DING, Jianping;GUO, Jinjun;JIANG, Congbin;LI, Xiaofei;LI, Zhenxiang;LIANG, Junhui;LONG, Xiaodong;YUAN, Bing~ 33:CN ~31:202210844438.2 ~32:18/07/2022;33:CN ~31:202221994134.6 ~32:18/07/2022

2024/06455 ~ Complete ~54:DEVICES FOR MARKING A CORE SAMPLE ~71:IMDEX TECHNOLOGIES PTY LTD, 216 Balcatta Road, Western Australia, Australia ~72: COPLIN, Nicholas;GABBITUS, Mark;MARCH, Andrew;MORRISH, Neil Anthony;NEWLOVE, Pauline;NGUYEN, Aaron Huy;PAYNE, Nicholas;PETERSEN, Jacob;PRITCHARD, David;REILLY, James Barry;RODGERS, Brendyn;SMITH, Grainne~ 33:AU ~31:2022900929 ~32:08/04/2022;33:AU ~31:2023900156 ~32:23/01/2023

2024/06464 ~ Complete ~54:MULTI-LINK TRAFFIC INDICATION FOR MULTI-LINK DEVICE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: BOON LOONG NG;PESHAL NAYAK;RUBAYET SHAFIN;VISHNU VARDHAN RATNAM~ 33:US ~31:63/357,996 ~32:01/07/2022;33:US ~31:63/388,547 ~32:12/07/2022;33:US ~31:63/398,771 ~32:17/08/2022;33:US ~31:18/338,250 ~32:20/06/2023

2024/06433 ~ Complete ~54:INHIBITORS OF THE RAS ONCOPROTEIN, METHODS OF MAKING AND METHODS OF USE THEREOF ~71:University of Louisville Research Foundation, Inc., 300 East Market Street, Suite 300, LOUISVILLE 40202-1959, KY, USA, United States of America ~72: BURLISON, Joseph A.;CLARK, Geoffrey J.;TRENT, John O.~ 33:US ~31:62/669,926 ~32:10/05/2018

2024/06440 ~ Complete ~54:IOT BASED POULTRY FARM MANAGEMENT SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Elumalayan Sivasubramaniam;Mathivanan Sivaguru;Rajendran Manivasagam;Ramaraju Prasanna;Sivakavi Logasewaran~

2024/06445 ~ Complete ~54:A SEMI AUTONOMOUS HUMANOID ROBOT FOR SECURITY ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: HARIKISHORE RAMAR;JAFREY DANIEL JAMES DHILIP;MURALI RENGASAMY BHUVANESWARI;ROBIN MATHEW THOMAS;SARVESHWARAN HARIHARAN~

2024/06427 ~ Provisional ~54:A CUTTING DEVICE ~71:NIXON, Timothy Edward Piggott, 37 Company Road, Mnandi, CENTURION 0149, Gauteng, SOUTH AFRICA, South Africa ~72: NIXON, Timothy Edward Piggott~

2024/06431 ~ Complete ~54:NONTOXIC CHELATING FLOTATION COLLECTOR FOR ILMENITE TITANIUM SELECTION ~71:Central South University, No. 932 Lushan South Road, Changsha City, Hunan Province, 410083, People's Republic of China;Guangzhou Yueyouyan Mineral Resources Technology Co., Ltd., No. 363 Changxing Road, Tianhe District, Guangzhou City, Guangdong Province, 510650, People's Republic of China ~72: CHEN Li;CHEN Long;CHEN Ruipeng;HU Hongxi;LIANG Taomao;SU Dong;WANG Fengyu;XIE Baohua;YANG Jiping;ZHONG Senlin~

2024/06439 ~ Complete ~54:A STREET LIGHT SYSTEM FOR POTHOLE DETECTION ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Gokul Bakkiyasuru;Gokula krishnan Selvaraj;Nagaraj Palaniyandi;Praveen Raj Ayyappan;Sudharson Krishna Sridharan~

2024/06444 ~ Complete ~54:SMART GLASS FOR ALZEIMER PATIENTS ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: NIVETHA MARAN;NIVETHA SIVAKUMAR~

2024/06441 ~ Complete ~54:A VIRTUAL REALITY BASED DEVICES CONTROL SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Dhanvanthari Devi Ramesh;Harini Thennarasu;Infantraj Irudaya Raj;Jyothsana Manivannan;Kasthuri Rengan Purushothaman;Sasikumar Rajendran~

2024/06448 ~ Complete ~54:DEPLOYABLE RETRACTOR ~71:MORPHEUS AG, Bahnhofstrasse 18, Germany ~72: Andreas SCHERRIEBLE;Benjamin POHL;Carsten LINTI;Christoph RIETHMÜLLER;Cornelia FANO;Simon BURMEISTER;Timo RACK~ 33:DE ~31:10 2022 112 521.1 ~32:18/05/2022

2024/06458 ~ Complete ~54:TRANSLUCENT BLOCKCHAIN DATABASE ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: AMMAR, Bassem;WRIGHT, Craig Steven~ 33:GB ~31:2203174.4 ~32:08/03/2022

2024/06426 ~ Provisional ~54:TIE FOR INTERCONNECTING NETS ~71:NIXON, Timothy Edward Piggott, 37 Company Road, Mnandi, CENTURION 0149, Gauteng, SOUTH AFRICA, South Africa ~72: NIXON, Timothy Edward Piggott~

2024/06432 ~ Complete ~54:CSPBBR3 PEROVSKITE THIN FILM AND PREPARATION METHOD AND APPLICATION THEREOF, AND ALL-INORGANIC PEROVSKITE SOLAR CELL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: LIU, Le;SHI, Yue;WANG, Chaoyong;WANG, Yarui;YANG, Yonghao~ 33:CN ~31:202410910109.2 ~32:08/07/2024

2024/06437 ~ 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

2024/06446 ~ Complete ~54:BIODEGRADABLE AGAVE SISALANA SANITARY PADS ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72:

Balamurugan Rajangam;Charu Prabha Prasanna;Charumathi Jaishankar;Deepashree Krishnamurthy;Dharshini Shanmugam;Muruganantham Thangaraj;Nagarajan Ramanathan;Rohith Rishan Manoharan~

2024/06513 ~ Complete ~54:TRICYCLIC DEGRADERS OF IKAROS AND AIOLOS ~71:C4 THERAPEUTICS, INC., 490 Arsenal Way, Suite 200 , Watertown, Massachusetts, 02472, United States of America ~72: ANDREW CHARLES GOOD;ANDREW J PHILIPPS;JAMES A HENDERSON;MINSHENG HE~ 33:US ~31:62/833,107 ~32:12/04/2019

2024/06456 ~ Complete ~54:THERAPEUTIC AGENT FOR NEURODEGENERATIVE DISORDER ~71:Teijin Pharma Limited, 2-1, Kasumigaseki 3-chome, Chiyoda-ku, TOKYO 100013, JAPAN, Japan;University Public Corporation Osaka, 2-7-601, Asahimachi 1-chome, Abeno-ku, OSAKA-SHI 5450051, OSAKA, JAPAN, Japan ~72: EGUCHI, Hiroshi;TOMIYAMA, Takami;UMEDA, Tomohiro~ 33:JP ~31:2022-029825 ~32:28/02/2022;33:JP ~31:2022-075095 ~32:28/04/2022

2024/06453 ~ Complete ~54:AUTONOMOUS CLIMATE TECHNOLOGY ECOSYSTEM FOR COMPUTER-GENERATED UNIFORM ENCRYPTED CARBON CREDIT CERTIFICATES ~71:UNIVERSAL CARBON HOLDINGS INC., 116 S. Main Street Suite A Kittitas, United States of America ~72: BRAY, Dorothy;BREWER, Lynn;JAMMAL, Michel~ 33:US ~31:63/369,268 ~32:25/07/2022;33:US ~31:63/369,369 ~32:25/07/2022

2024/06460 ~ Complete ~54:TONNEAU COVERS ~71:Leer Group, 28858 Ventura Drive, ELKHART 46517, IN, USA, United States of America ~72: DYLEWSKI II, Eugene A.;SISLO, Michael A.~ 33:US ~31:63/313,464 ~32:24/02/2022;33:US ~31:18/172,459 ~32:22/02/2023

2024/06430 ~ Complete ~54:CUTTING DEVICE FOR PREVENTING AND CONTROLLING PRESSURE RELIEF GROOVE OF FLOOR HEAVE OF COAL MINE ROADWAY ~71:Taiyuan University of Science and Technology, No.66 Waliu Road, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: FU Yuping;LIANG Lei~

2024/06436 ~ Complete ~54:BIOLOGICAL CLOCK MONITORING METHOD FOR PATIENTS WITH CHRONIC DISEASES ~71:HOU Liying, 279 Zhouzhu Road, Pudong New Area, Shanghai, People's Republic of China;SHANGHAI UNIVERSITY OF MEDICINE & HEALTH SCIENCES, 279 Zhouzhu Road, Pudong New Area, Shanghai, People's Republic of China ~72: HOU Liying;SHI Tianqi~

2024/06452 ~ Complete ~54:A COAGULATION MOLD, A KIT AND A METHOD FOR PREPARING A COAGULATED BLOOD MASS ~71:REDDRESS LTD., 11 Shkedim Street, Israel ~72: KUSHNIR, Alon~ 33:IL ~31:290122 ~32:25/01/2022

2024/06457 ~ Complete ~54:5-[7-(3,4-DIHYDRO-1H-ISOQUINOLINE-2-CARBONYL)-1,2,3,4 TETRAHYDROISOQUINOLIN-6-Y L]-1H-PYRROLE-3-CARBOXAMIDE DERIVATIVES, PHARMACEUTICAL COMPOSITIONS CONTAINING THEM AND THEIR USES AS PRO-APOPTOTIC AGENTS ~71:Les Laboratoires Servier, 35 rue de Verdun, SURESNES CEDEX 92284, FRANCE, France;Vernalis (R&D) Limited, Granta Park, CAMBRIDGE CB21 6GB, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BALASSA, Annamária;BROUGH, Paul Andrew;CLAPERON, Audrey;DEMARLES, Didier;FEJES, Imre;FÖRDÖS, Eszter;KOMJÁTI, Balázs;MADDOX, Daniel;MOLNÁR, Balázs;MURRAY, James Brooke;RAY, Stuart;ROCCHETTI, Francesca;SANDERS, Emma;SIPOS, Melinda;SIPOS, Zoltán;SZLÁVIK, Zoltán;WALMSLEY, Claire Louise;WANG, Yikang~ 33:EP ~31:22305210.1 ~32:24/02/2022;33:EP ~31:22305628.4 ~32:27/04/2022

2024/06462 ~ Complete ~54:6-OXODECAHYDROPYRROLO[1,2-A][1,5]DIAZOCINE AND 6-OXODECAHYDRO-4H-PYRROLO[2,1-D][1,5]THIAZOCINE DERIVATIVES AS STAT3 AND STAT6 MODULATORS FOR THE TREATMENT OF CANCER AND INFLAMMATORY CONDITIONS ~71:Recludix Pharma, Inc., 3525 John

Hopkins Court, Suite 150, SAN DIEGO 92121, CA, USA, United States of America ~72: BIFULCO, Neil;BREGMAN, Howard;CIANCHETTA, Giovanni;HODOUS, Brian;REZNIK, Samuel K.;SICKMIER, Ernest Allen;TANG, Yong;TASKER, Andrew;TIAN, Xia;VASWANI, Rishi G.;YEOMAN, John~ 33:US ~31:63/313,916 ~32:25/02/2022;33:US ~31:63/337,428 ~32:02/05/2022

2024/06425 ~ Provisional ~54:A LOADING ARRANGEMENT ~71:FOURIE, Johannes, Jacobus, 66 BERRYHEAD LANE, CORNWALL HILL, 0178, SOUTH AFRICA, South Africa ~72: FOURIE, Johannes, Jacobus~

2024/06429 ~ Complete ~54:SCREENING METHOD FOR COTTON HAVING HIGH YIELD TRAIT, KIT AND APPLICATION ~71:SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, No. 23788 Gongye North Road, Jinan City, Shandong Province, 250100, People's Republic of China;Xinjiang Hongtai Seed Industry Technology Co., Ltd., No. 22-1 Huyang Road, Hongqiao Industrial Park, Luntai County, Bayingol Mongolian Autonomous Prefecture, Xinjiang Uygur Autonomous Region, 841699, People's Republic of China ~72: CHEN, Yu;CUI, Xinyu;DU, Zhaohai;GAO, Yang;LUO, Cheng;LV, Wanyu;PAN, Ao;WANG, Furong;YUAN, Yang;ZHOU, Juan~

2024/06442 ~ Complete ~54:PORTABLE ROAD DUST CLEANING DEVICE ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Hariram Jayakumar;Prakash Balachandran;Sivasakthivelavan Ganesan;Srihari Murugan;Veerabathiran Kamalakannan~

2024/06463 ~ Complete ~54:ANTI-MSLN ANTIBODIES AND METHODS OF USE ~71:SHANGHAI HENLIUS BIOLOGICS CO., LTD., Room 617, Building 29, No. 1, Lane 618, Dingyuan Road, People's Republic of China;SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., Building 1 (Building D), No. 1289, Yishan Road, People's Republic of China;SHANGHAI HENLIUS BIOTECH, INC., Room 330, Complex Building, No. 222 Kangnan Road China (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: ISSAFRAS, Hassan;JIANG, Wei-Dong;LIN, Pei-Hua;TSENG, Chi-Ling;WANG, Jiin-Tarn;XU, Wenfeng~ 33:CN ~31:PCT/CN2022/082932 ~32:25/03/2022

2024/06428 ~ Provisional ~54:V-LOCK-PROFILE FRICTION BOLT SYSTEM ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2024/06434 ~ Complete ~54:HIGH TEMPERATURE SWITCH APPARATUS ~71:General Equipment and Manufacturing Company, Inc. d/b/a Topworx, Inc., 3300 Fern Valley Road, LOUISVILLE 40213, KT, USA, United States of America ~72: KLOSTERMAN, Anthony Wayne;LAFOUNTAIN, Robert L.;SIMMONS, Michael John~ 33:US ~31:62/965,629 ~32:24/01/2020;33:US ~31:16/796,570 ~32:20/02/2020

2024/06438 ~ Complete ~54:AN INTERNET OF THINGS BASED HOSPITAL AND PATIENT CARING SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Balakumar Asokan;Hariprasath Jayaraman;Infant Stanko Francis;Kishore Kumar Rajarajan;Syed Husain Samsudeen;Thamodharan Prabhakaran;Viswanathan Balasubramanian~

2024/06443 ~ Complete ~54:PNEUMATIC STAPLER MACHINE ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Edwin Santhosh Jesu Raja Rathinam;Manimaran Malairajan;Ragul Shanmugam;Revanth Pandiyan;Sugeerth Palanisamy~

2024/06449 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF ANTI-TRBV9 ANTIBODY AND USE THEREOF ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72: ANDREEVA, Anastasiia Alekseevna;IAKOVLEV, Aleksandr Olegovich;KOSTANDIAN, Alina Aleksandrovna;LOMKOVA, Ekaterina Aleksandrovna;MOROZOV, Dmitry Valentinovich;NIDZVEDSKII, Fedor Fandatovich;OVCHARENKO, Ekaterina Vladislavovna;SOZONOVA, Aleksandra Aleksandrovna~ 33:RU ~31:2022102193 ~32:31/01/2022

2024/06459 ~ Complete ~54:PYRIDO[1,2-A]PYRIMIDIN-4-ONE DERIVATIVES ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BROM, Virginie;DOLENTE, Cosimo;GAUFRETEAU, Delphine;O'HARA, Fionn Susannah;PIRAS, Matilde;RATNI, Hasane;REUTLINGER, Michael;VIFIAN, Walter;ZAMBALDO, Claudio~ 33:EP ~31:22161258.3 ~32:10/03/2022

2024/06450 ~ Complete ~54:REMOTE FLUID SAMPLING ~71:FLUID TRANSFER TECHNOLOGY PTY LTD, 170 Kewdale Road, WA, Australia ~72: BONDI, Jason Michael~ 33:AU ~31:2022900498 ~32:02/03/2022

2024/06454 ~ Complete ~54:COLD BONDING ADHESIVES FOR BONDING VULCANIZED RUBBER COMPOUNDS FOR INDUSTRIAL APPLICATIONS ~71:LORD CORPORATION, 111 Lord Drive Cary, United States of America ~72: AGAG, Tarek;HULTMAN, Kimberly Ray;MATTS, Jeffrey M.~ 33:US ~31:63/310,429 ~32:15/02/2022

2024/06461 ~ Complete ~54:METHODS AND DEVICES FOR INCREASING DYNAMIC RANGE OF OPTICAL SENSOR BASED SYSTEMS ~71:Meso Scale Technologies, LLC., 1601 Research Boulevard, ROCKVILLE 20850, MD, USA, United States of America ~72: KOCHAR, Manish~ 33:US ~31:63/312,982 ~32:23/02/2022

2024/06465 ~ Complete ~54:RNA-GUIDED NUCLEASES AND ACTIVE FRAGMENTS AND VARIANTS THEREOF AND METHODS OF USE ~71:LIFEEDIT THERAPEUTICS, INC., 300 Morris Street Suite 300, Durham, North Carolina, 22701, United States of America ~72: ALEXANDRA BRINER CRAWLEY;GUNJAN H ARYA;JOEL S PARKER;MICHAEL COYLE;TEDD D ELICH~ 33:US ~31:63/302,271 ~32:24/01/2022;33:US ~31:63/386,061 ~32:05/12/2022

- APPLIED ON 2024/08/23 -

2024/06466 ~ Provisional ~54:PAYMENT PROCESSING SYSTEM AND METHOD ~71:KAHLE, Georg Carl Beyers, 3 Woolston Road, WESTCLIFF, Johannesburg 2193, Gauteng, SOUTH AFRICA, South Africa ~72: KAHLE, Georg Carl Beyers~

2024/06468 ~ Complete ~54:INITIATOR DEVICE ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: BOTHA, Marius;OLWAGE, Phillip;SMITH, Ruan~ 33:ZA ~31:2023/07870 ~32:14/08/2023

2024/06514 ~ Provisional ~54:AMACINSI/AMAQINSI ~71:Marvin Lehlogonolo Baloyi, 44, South Africa ~72: Marvin Lehlogonolo Baloyi~

2024/06467 ~ Provisional ~54:RAPID DIAGNOSTIC TEST FOR EARLY DETECTION OF BREAST CANCER ~71:BIOMARKER DIAGNOSTECH (PTY) LTD, 62 Sayster Street, Salsoneville, Port Elizabeth 6059, Eastern Cape, SOUTH AFRICA, South Africa ~72: VAN VUUREN, Larry Peter~

2024/06473 ~ Complete ~54:CONTROL AGENT FOR SPARTINA ALTERNIFLORA, METHOD FOR CONTROLLING SPARTINA ALTERNIFLORA, AND APPLICATION ~71:Fujian Xinghua Agriculture and Forestry Hi-Tech Research Institute, Room 107, 4th Floor, Building 3, Shui'an Dijing, No. 4 Chengnan Middle Road, Shunchang County, Nanping City, Fujian Province, 353200, People's Republic of China ~72: GAN, Wenfeng;JIANG, Yadong;LI, Yongsheng;XIE, Zhenglin;XU, Huamei;XU, Jiandong;XU, Li;XU, Liying~

2024/06483 ~ Complete ~54:HERBICIDAL COMPOSITION CONTAINING 3-(2-CHLORO-4-FLUORO-5-(3-METHYL-2,6-DIOXO-4-TRIFLUOROMETHYL-3,6-DIHYDROPYRIMIDIN-1(2H)-YL)PHENYL)-5-METHYL-4,5-DIHYDROISOXAZOLE-5-CARBOXYLIC ACID ETHYL ESTER AND GLUFOSINATE-P AND USE THEREOF ~71:NANTONG JIANGSHAN AGROCHEMICAL & CHEMICALS CO., LTD., NO.998, JIANGSHAN ROAD,

People's Republic of China ~72: FAN, Meiyun;FU, Ruixia;WANG, Junping;WANG, Li;ZHU, Yanmei~ 33:CN
~31:202211236697.3 ~32:10/10/2022

2024/06486 ~ Complete ~54: BIOREACTOR FOR ANTIBODY PRODUCTION ~71: REGENERON
PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BAK,
Hanne;CALLINAN, Laura;CASEY, Meghan;CHIBOROSKI, Mark;CONLON, Aishling;CORBETT,
Daniel;CROWLEY, John;GOH, Hai-Yuan;HOURIHAN, John;JOHNSON, Amy, S.;LAFOND,
Michelle;LAWRENCE, Shawn M.;MATTILA, John;MELLORS, Philip;NICHOLL, Liam;OSHODI, Shadia
Abike;REILLY, James;STAIRS, Robert;STARLING, Alessandra;TANG, Xiaolin;TUSTIAN, Andrew;VARTAK,
Ankit;WITMER, Ashley~ 33:US ~31:63/315,897 ~32:02/03/2022;33:US ~31:63/411,899 ~32:30/09/2022;33:US
~31:63/417,873 ~32:20/10/2022;33:US ~31:63/436,854 ~32:03/01/2023;33:US ~31:63/448,655
~32:27/02/2023

2024/06489 ~ Complete ~54: NOVEL NAPROXEN SODIUM PREPARATIONS FOR PARENTERAL
ADMINISTRATION ~71: LEIUTIS PHARMACEUTICALS LLP, Plot no. 23, TIE 1st Phase, Balanagar, Telangana,
India ~72: AKULA, Srinath;BANDA, Nagaraju;KOCHERLAKOTA, Chandrashekhar;NARALA, Arjun~ 33:IN
~31:202241004161 ~32:25/01/2022

2024/06502 ~ Complete ~54: SYSTEM AND METHOD FOR PREPARING MULTIPLE SAMPLES FOR
CHEMICAL ANALYSIS USING A COMMON HEAT SOURCE ~71: ColdBlock Technologies Inc., 4551 Zimmerman
Avenue, NIAGARA FALLS L2E 3M5, ONTARIO, CANADA, Canada ~72: KANIPAYOR, Ravi;PEREVERZEV,
Kirill;WONG, Thomas~ 33:US ~31:63/314,076 ~32:25/02/2022

2024/06487 ~ Complete ~54: MANUFACTURING PROCESS FOR HIGH TITER ANTIBODY ~71: REGENERON
PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BAK,
Hanne;CALLINAN, Laura;CASEY, Meghan;CHIBOROSKI, Mark;CONLON, Aishling;CORBETT,
Daniel;CROWLEY, John;GOH, Hai-Yuan;HOURIHAN, John;JOHNSON, Amy, S.;LAFOND,
Michelle;LAWRENCE, Shawn M.;MATTILA, John;MELLORS, Philip;NICHOLL, Liam;OSHODI, Shadia
Abike;REILLY, James;STAIRS, Robert;STARLING, Alessandra;TANG, Xiaolin;TUSTIAN, Andrew;VARTAK,
Ankit;WITMER, Ashley~ 33:US ~31:63/315,897 ~32:02/03/2022;33:US ~31:63/411,899 ~32:30/09/2022;33:US
~31:63/417,873 ~32:20/10/2022;33:US ~31:63/436,854 ~32:03/01/2023;33:US ~31:63/448,655
~32:27/02/2023

2024/06491 ~ Complete ~54: A KIND OF RICE PADDY DRYING DEVICE ~71: Wuhu Institute of Technology, 201
Wenjin West Road, Yijiang District, Wuhu, Anhui, 241000, People's Republic of China ~72: CHEN, Long;CHEN,
Zhao;GU, Xin;JI Yuze;JI, Kewen;JIANG, Shuhua;LIU, Wei;MENG, Xue;PAN, Yue;TAO, Ye;TONG,
Tingting;WANG, Kai;XIANG, Qing;XIE, Nan;XU, Hui;XU, Liying;YANG, Qian;YU, Ruoting~

2024/06493 ~ Complete ~54: METHOD FOR MANUFACTURING A STROP ~71: POLYACHT, Route de la Pointe
Vénus – Mahina, France ~72: MONNIER, Christophe;PARNAUDEAU, Benoît~ 33:FR ~31:FR2201445
~32:18/02/2022

2024/06499 ~ Complete ~54: COLLAPSIBLE BEVERAGE CONTAINER AND METHOD OF MANUFACTURE
~71: Carlsberg Breweries A/S, J.C. Jacobsens Gade 1, COPENHAGEN V 1799, DENMARK, Denmark ~72:
AHLGREN, Kristina;TINNING, Jane~ 33:EP ~31:22153644.4 ~32:27/01/2022

2024/06503 ~ Complete ~54: COMPOUNDS AND COMPOSITIONS FOR TREATING CONDITIONS
ASSOCIATED WITH LPA RECEPTOR ACTIVITY ~71: Lhotse Bio, Inc., 601 Gateway Blvd., Suite 900, SOUTH
SAN FRANCISCO 94080, CA, USA, United States of America ~72: HUANG, Wei;LEI, Hui;XU,
Zhongmiao;ZHANG, Haizhen;ZHANG, Qiong~ 33:IB ~31:2022/077844 ~32:25/02/2022;33:IB ~31:2022/094839
~32:25/05/2022;33:IB ~31:2022/117690 ~32:08/09/2022

2024/06507 ~ Complete ~54:A CLEANSING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: MAYA TREESA SAJI;SAMEER KESHAV BARNE~ 33:EP ~31:22162395.2 ~32:16/03/2022

2024/06509 ~ Complete ~54:PCNA INHIBITORS AND USES THEREOF ~71:CITY OF HOPE, 1500 E. Duarte Road, Duarte, California, 91010-3000, United States of America ~72: GERALD WUENSCHHELL;LINDA H MALKAS;LONG GU;POUYA HARATIPOUR;ROBERT J HICKEY~ 33:US ~31:63/317,430 ~32:07/03/2022

2024/06470 ~ Complete ~54:HIGH-STRENGTH MAGNESIUM OXYSULFIDE CEMENT AND PREPARATION METHOD THEREOF ~71:Solid Waste and Chemicals Management Center of the Ministry of Ecology and Environment of China, No.1 Yuhui South Road, Chaoyang District, Beijing, 100029, People's Republic of China;University of Science and Technology Beijing, No.30 Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China ~72: CHEN Xinying;DU Huihui;HUO Huimin;LI Yunyun;MU Xinli;NI Wen;QI Zihan;YANG Guodong~

2024/06481 ~ Complete ~54:A TELE PROTECTOR SYSTEM ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: AJANTHAN VEERASAMY;GANESH RAM MOHANRAJAN;GIRIDHARAN KUMARESAN;GURUPRAKASH KANNAN;JOHN PETER THIRAVIASAMI;JOSHUA SANTHOSH ILAMPARITHI;NITHYA MATHIYALAGAN~

2024/06492 ~ 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: SONG, Qingfang;TAO, Qing;XIAO, Xiang;YU, Caihong~

2024/06495 ~ Complete ~54:CELL PROLIFERATION APPARATUSES AND USES THEREOF ~71:DuoGenic Stemcells Corporation, No.18, Ln. 10, Taiping 21st St., Taiping Dist., TAICHUNG CITY 411, TAIWAN (R.O.C.), Taiwan, Province of China ~72: HSIEH, Chia-Ying;KIYOKAWA, Masataka;SHEN, Ching-I;SU, Hong-Lin;WANG, Fu-Hui~ 33:AU ~31:2022900445 ~32:25/02/2022

2024/06498 ~ 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 ~31:63/303,083 ~32:26/01/2022

2024/06505 ~ Complete ~54:LOCALIZED SURFACE PLASMON RESONANCE DETECTOR ~71:UK NIVD LTD, Essex House Josselin Road, Basildon, Essex, SS13 1BY, United Kingdom ~72: SONIA TRIGUEROS~ 33:GB ~31:2205632.9 ~32:16/04/2022

2024/06479 ~ Complete ~54:POLYMER COMPOSITIONS WITH IMPROVED STABILITY FOR NITROGEN FIXING MICROBIAL PRODUCTS ~71:Pivot Bio, Inc., 2910 Seventh Street, Suite 100, BERKELEY 94710, CA, USA, United States of America ~72: KIBBEE, John;REZAEI, Farzaneh~ 33:US ~31:62/776,782 ~32:07/12/2018

2024/06484 ~ Complete ~54:A SLURRY, AN ELECTRODE, AND A METHOD FOR MANUFACTURING AN ELECTRODE FOR LITHIUM-ION BATTERIES ~71:LECLANCHÉ SA, Avenue des Sports 42, Switzerland ~72: Hilmi BUQA;Pierre BLANC~ 33:LU ~31:LU102918 ~32:04/03/2022

2024/06501 ~ Complete ~54:EMOPAMIL-BINDING PROTEIN INHIBITORS AND USES THEREOF ~71:Biogen MA Inc., 225 Binney Street, CAMBRIDGE 02142, MA, USA, United States of America ~72: BANSAL, Nupur;CHEN, TeYu;GILFILLAN, Rab;GONZALEZ LOPEZ DE TURISO, Felix;HIMMELBAUER, Martin;JONES, John H.;LIN, Edward Yin Shiang;PATTAROPONG, Vatee;XIN, Zhili~ 33:US ~31:63/314,095 ~32:25/02/2022

2024/06510 ~ Complete ~54:COMBINATION OF A FCYRIIB- AND A TUMOR ANTIBODY FOR USE IN THE TREATMENT OF AN FCYRIIB-NEGATIVE CANCER ~71:BIOINVENT INTERNATIONAL AB, Ideogatan 1, 223 70, Lund, Sweden;UNIVERSITY OF SOUTHAMPTON, University Road, Highfield , Southampton, SO17 1BJ, United Kingdom ~72: ALI ROGHANIAN;BJÖRN FRENDEUS;INGRID TEIGE;LINDA MÅRTENSSON;MARK CRAGG;ROBERT OLDHAM;STEPHEN BEERS~ 33:EP ~31:22160532.2 ~32:07/03/2022

2024/06472 ~ Complete ~54:ELASTIC PHOTOCURABLE PEGDA COMPOSITE MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF ~71:THE AFFILIATED HOSPITAL OF GUIZHOU MEDICAL UNIVERSITY, No. 28, Guiyi Street, Yunyan District, Guiyang City, Guizhou Province, 550001, People's Republic of China ~72: CUI, Junshuan;LIU, Haonan;WANG, Xiaoyu;XIANG, Xin;YAN, Zhangwei;YANG, Hua;ZENG, Xi;ZHOU, Xingwang~ 33:CN ~31:202410924111.5 ~32:10/07/2024

2024/06482 ~ Complete ~54:A SYSTEM FOR GUIDING FISHERMAN IN OCEAN ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: Amudha Louies;Kasthuri Rengan Purushothamam;Natanesh Senthilvel;Noor Rahman Saleem;Saranya Sundararaju;Yuvaraj Ramesh~

2024/06485 ~ Complete ~54:MANUFACTURING PROCESS FOR HIGH TITER ANTIBODY ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BAK, Hanne;CALLINAN, Laura;CASEY, Meghan;CHIBOROSKI, Mark;CONLON, Aishling;CORBETT, Daniel;CROWLEY, John;GOH, Hai-Yuan;HOURIHAN, John;JOHNSON, Amy, S.;LAFOND, Michelle;LAWRENCE, Shawn M.;MATTILA, John;MELLORS, Philip;NICHOLL, Liam;OSHODI, Shadia Abike;REILLY, James;STAIRS, Robert;STARLING, Alessandra;TANG, Xiaolin;TUSTIAN, Andrew;VARTAK, Ankit;WITMER, Ashley~ 33:US ~31:63/315,897 ~32:02/03/2022;33:US ~31:63/411,899 ~32:30/09/2022;33:US ~31:63/417,873 ~32:20/10/2022;33:US ~31:63/436,854 ~32:03/01/2023;33:US ~31:63/448,655 ~32:27/02/2023

2024/06488 ~ Complete ~54:MULTISPECIFIC ANTIBODIES BINDING TO IL-4, IL-13 AND/OR TSLP AND USES THEREOF ~71:PFIZER INC., 66 Hudson Boulevard East, New York, United States of America ~72: AGOSTINELLI, Rita Diane;APGAR, James Reasoner;BARRON, Alexander Michael Shuford;BENNETT, Eric Matthew;BLOOM, Laird;CHEN, Ting;DE, Arnab;D'ANTONA, Aaron Michael;GIESECK III, Richard Lee;JIN, Fang;KASAIAN, Marion Teresa;LAMBERT, Matthew Allister;MARQUETTE, Kimberly Ann;MCMANUS, Virginia;MIN DEBARTOLO, Jessica Haewon;PICHE-NICHOLAS, Nicole Melissa;SHELDON, Richard Thomas;TCHISTIAKOVA, Liudmila;ZHONG, Xiaotian~ 33:US ~31:63/268,817 ~32:03/03/2022;33:US ~31:63/483,162 ~32:03/02/2023

2024/06497 ~ Complete ~54:COSMETIC COMPOSITION ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: AURIOL, Daniel;DE TOLLENAERE, Morgane;REYNAUD , Romain;SCANDOLERA, Amandine~ 33:GB ~31:2200880.9 ~32:24/01/2022

2024/06506 ~ Complete ~54:VACCINE COMPRISING AN ANTIBODY OR AN FC-CONTAINING FUSION PROTEIN COMPRISING AN FC PART OF AN ANTIBODY ~71:HEIDELBERG IMMUNOTHERAPEUTICS GMBH, Max-Jarecki-Strasse 21, 69115, Heidelberg, Germany ~72: CHRISTIAN MÜLLER;MICHAELA ARNDT;NARGES SEYFIZADEH;TORSTEN SCHALLER~ 33:EP ~31:22159679.4 ~32:02/03/2022

2024/06469 ~ Complete ~54:SPORTS FITNESS EQUIPMENT ~71:Zhaoqing University, No. 55, Zhaoqing Avenue, Duanzhou District, Zhaoqing City, Guangdong Province, People's Republic of China ~72: WANG Juan~

2024/06471 ~ Complete ~54:BUILDING SYSTEM ~71:BOXA POSSIBILITIES (PTY) LTD, 11 Sigma Road, South Africa ~72: LEWIS, Anthony Charles~

2024/06474 ~ Complete ~54:CLAMP FOR MACHINING THROUGH HOLE OF SLIDE BLOCK OF LATERAL CORE PULLING MECHANISM ~71:Suzhou Vocational University, Suzhou Vocational University, 106 Zhineng Avenue, International Education Park, Suzhou City, Jiangsu Province, 215104, People's Republic of China ~72: GU, Xing;LI, Zhenxing;WANG, Jia;WANG, Shun;WANG, Wei~ 33:CN ~31:202410866852.2 ~32:01/07/2024

2024/06490 ~ Complete ~54:COMPOSITION AND METHOD FOR TREATING AND PURIFYING WATER BY MEANS OF A COMBINATION OF COMPOUNDS DERIVED FROM ALUMINIUM, CHLORINE AND SODIUM ~71:CLEAN WATER SPA, Cochrane 635 oficina, Chile ~72: TORRES SAAVEDRA, Óscar Alejandro~

2024/06494 ~ Complete ~54:APPARATUS AND METHOD FOR EXHAUST GAS POLLUTION REDUCTION ~71:MERCURY CAPTURE INTELLECTUAL PROPERTY, LLC, 12601 PLANTSIDE DRIVE, United States of America ~72: DRIVERS, Norman;GAGE, John~ 33:US ~31:63/302,415 ~32:24/01/2022

2024/06500 ~ Complete ~54:SYSTEM AND METHOD FOR REMOVING CONTAMINANTS FROM A PYROLYSIS FLUID ~71:Plastic Energy Limited, 65 Carter Lane, LONDON EC4V 5DY, UNITED KINGDOM, United Kingdom ~72: MCNAMARA, David;STRIVENS, Christopher;YABRUDY, Andres~ 33:GB ~31:2201005.2 ~32:26/01/2022

2024/06478 ~ Complete ~54:ANTIPARASITIC COMPOUNDS ~71:Corteva Agriscience LLC, 9330 Zionsville Road, INDIANAPOLIS 46268, IN, USA, United States of America;Intervet International B.V., Wim De Koerverstraat 35, BOXMEER 5831 AN, THE NETHERLANDS, Netherlands ~72: HECKEROTH, Anja Regina;HUNTER, James Edward;KATZENSTEIN, Joshua;LAWLER, Lori Kay;LUTZ, Jürgen;SCHMITT, Harald;SHEEHAN, John Gerard;TRULLINGER, Tony Kent;WALSH, Martin Joseph;WILLIAMS, Heike;ZOLLER, Hartmut~ 33:EP ~31:21153638.8 ~32:27/01/2021;33:US ~31:63/292,561 ~32:22/12/2021

2024/06480 ~ Complete ~54:A MOBILE FINGERPRINT BASED ATTENDANCE REGISTER ~71:K.RAMAKRISHNAN COLLEGE OF ENGINEERING, NH-45, SAMAYAPURAM, TRICHY, TAMIL NADU, 621112, India ~72: AROCKIA JESURAJ YAGAPPAN;GOWTHAM KANNAN;HARII KUMARAN VENKATESHWARAN;JOHN PETER THIRAVIASAMI;NITHYA MATHIYALAGAN~

2024/06477 ~ Complete ~54:USE OF EXOSOME MIRNA-365A-5P AS MOLECULAR MARKER ~71:JIANGSU PROVINCE HOSPITAL THE FIRST AFFILIATED HOSPITAL WITH NANJING MEDICAL UNIVERSITY, No. 300, Guangzhou Road, Gulou district, Nanjing, Jiangsu, 210029, People's Republic of China ~72: JUN HU;QINGYUAN HU;XIAOLAN YI;YAHUI HUANG;YAN DAI;YUAN LIU~ 33:CN ~31:2023116999984 ~32:12/12/2023

2024/06475 ~ Complete ~54:STABLE CORONAVIRUS PROTEINS AND VACCINE COMPOSITIONS THEREOF ~71:FRED HUTCHINSON CANCER CENTER, 1100 Fairview Ave. N., United States of America;UNIVERSITY OF WASHINGTON, 4545 Roosevelt Way NE, Suite 400, United States of America ~72: BLOOM, Jesse;ELLIS, Daniel;GREANEY, Allison;KING, Neil;STARR, Tyler~ 33:US ~31:63/132,863 ~32:31/12/2020;33:US ~31:63/188,651 ~32:14/05/2021

2024/06508 ~ Complete ~54:SUBSTITUTED TRICYCLIC COMPOUNDS AS PARP INHIBITORS AND THE USE THEREOF ~71:IMPACT THERAPEUTICS (SHANGHAI), INC., Room 603, No.3 Building, 111 Xiangke Road, China (Shanghai) Pilot Free Trade Zone, Pudong New Area, Shanghai, 201210, People's Republic of China ~72: LETIAN ZHANG;SUI XIONG CAI;XIAOZHU WANG;YE EDWARD TIAN~ 33:CN ~31:202210260944.7 ~32:11/03/2022;33:CN ~31:202210448803.8 ~32:24/04/2022;33:CN ~31:202211219599.9 ~32:30/09/2022;33:CN ~31:202211505904.0 ~32:28/11/2022

2024/06496 ~ Complete ~54:NOVEL SULFATE SALT FORMS OF ISOCHROMAN-IMIDAZOLE STRUCTURED ALPHA-2A ADRENOCEPTOR AGONIST ~71:Orion Corporation, Orionintie 1, ESPOO 02200, FINLAND, Finland ~72: HAAPALINNA, Anna;HEIKKILÄ, Teemu;POP, Mihaela~ 33:FI ~31:20225050 ~32:24/01/2022

2024/06504 ~ Complete ~54:DIPEPTIDYL PEPTIDASE 1 INHIBITOR POLYMORPH, PREPARATION METHOD AND USE THEREFOR ~71:HAISCO PHARMACEUTICALS PTE. LTD., 10 Anson Road, #13-09 International Plaza, 079903, Singapore ~72: FENGFEI ZHU;JIANG FAN;YING DOU;ZHENG GONG~ 33:CN ~31:202210160848.5 ~32:22/02/2022

2024/06511 ~ Complete ~54:AN ANTIMALODOUR COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: MANU GEORGE;SAHITI MATTAPARTHI;SHANTHI APPAVOO~ 33:EP ~31:22164330.7 ~32:25/03/2022

2024/06476 ~ Complete ~54:ANTI-TISSUE FACTOR ANTIBODIES, ANTIBODY-DRUG CONJUGATES, AND RELATED METHODS ~71:ICONIC THERAPEUTICS LLC, 855 El Camino Real, Suite 13A, United States of America ~72: AVERY, Andrew, D. II.;CAI, Allen G.;COOPER, Anthony Byron;MIGONE, Thi-Sau;THEUNISSEN, Jan-Willem~ 33:US ~31:62/613,545 ~32:04/01/2018;33:US ~31:62/613,564 ~32:04/01/2018;33:US ~31:62/646,788 ~32:22/03/2018;33:US ~31:62/713,797 ~32:02/08/2018;33:US ~31:62/713,804 ~32:02/08/2018

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

Application Number	Assignor	Assignee
2021/07942	ARTISAN VEHICLE SYSTEMS, INC.	SANDVIK MINING AND CONSTRUCTION OY
2020/05255	ARTISAN VEHICLE SYSTEMS, INC.	SANDVIK MINING AND CONSTRUCTION OY
2020/05352	ARTISAN VEHICLE SYSTEMS, INC.	SANDVIK MINING AND CONSTRUCTION OY
2021/07817	ARTISAN VEHICLE SYSTEMS, INC.	SANDVIK MINING AND CONSTRUCTION OY
2020/05360	ARTISAN VEHICLE SYSTEMS, INC.	SANDVIK MINING AND CONSTRUCTION OY
2021/00918	ARTISAN VEHICLE SYSTEMS, INC.	SANDVIK MINING AND CONSTRUCTION OY
2021/07418	ARTISAN VEHICLE SYSTEMS, INC.	SANDVIK MINING AND CONSTRUCTION OY
2018/07263	SENCIO B.V.	NEWAYS ADVANCED MICROSYSTEMS B.V.
2012/00395	FMC CORPORATION	CORTEVA AGRISCIENCE LLC
2021/04593	NOVARTIS AG	BAUSCH + LOMB IRELAND LIMITED
2023/11070	CHINOOK THERAPEUTICS, INC.	NOVARTIS PHARMA AG
2021/04594	NORVATIS AG	BAUSCH + LOMB IRELAND LIMITED
2010/00622	JENNISON ICE, LLC	DGW TECHNOLOGIES, D/B//A EVEREST ICE AND WATER SYSTEMS
2011/01392	ERUM BIOTECHNOLOGIES INC.	JANSSEN PHARMACEUTICA NV
2011/02663	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2011/05940	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2011/07304	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2663	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH

Application Number	Assignor	Assignee
2024/03639	AMICUS THERAPEUTICS, INC.	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
2019/01384	2SEVENTY BIO, INC.	REGENERON PHARMACEUTICALS, INC.
2024/01500	BAKER HUGHES OLIFIELD LLC	HYDRIL USA DISTRIBUTION LLC
2019/01470	FG INNOVATION COMPANY LIMITED	SHARP KABUSHIKI KAISHA
2022/07812	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG and THYSSENKRUPP AG	THYSSENKRUPP POLYSIUS GMBH
2020/06722	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2020/06754	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2022/10482	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2022/11636	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2011/07304	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2011/05940	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2009/06311	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2018/07676	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2018/07676	BOART LONGYEAR COMPANY	VERACIO LTD.
2016/07259	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2022/00396	ICONIC THERAPEUTICS LLC	EXELIXIS, INC.
2019/01852	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2019/01852	BOART LONGYEAR COMPANY	VERACIO LTD.
2019/00473	PSOMAGEN, INC.	MACROGEN, INC.
2024/01582	QUANTUM ENERGY RESEARCH CENTRE (Q-CENTRE)	KWON, YOUNG-WAN
2022/10094	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2022/10094	BOART LONGYEAR COMPANY	VERACIO LTD.
2023/06579	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2023/06579	BOART LONGYEAR COMPANY	VERACIO LTD.
2022/06317	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2023/05205	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2023/05205	BOART LONGYEAR COMPANY	VERACIO LTD.
2020/04012	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2020/04012	BOART LONGYEAR COMPANY	VERACIO LTD.
2022/02110	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2022/02110	BOART LONGYEAR COMPANY	VERACIO LTD.
2018/02853	IDE WATER ASSETS LTD	I.D.E. WATER TECHNOLOGIES
2022/09297	SYNCONA INVESTMENT MANAGEMENT LIMITED	SYNCONA IP HOLDCO (3) LIMITED
2022/13314	SYNCONA INVESTMENT MANAGEMENT LIMITED	SYNCONA IP HOLDCO (3) LIMITED
2022/13314	PURESPRING THERAPEUTICS LIMITED	THE UNIVERSITY OF BRISTOL

Application Number	Assignor	Assignee
2023/05408	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2023/05408	BOART LONGYEAR COMPANY	VERACIO LTD.
2022/10093	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2022/10093	BOART LONGYEAR COMPANY	VERACIO LTD.
2022/05086	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2022/05086	BOART LONGYEAR COMPANY	VERACIO LTD.
2019/01371	PSOMAGEN INC.	MACROGEN, INC.
2022/03043	LONGYEAR TM, INC.	BOART LONGYEAR COMPANY
2022/03043	BOART LONGYEAR COMPANY	VERACIO LTD.
2020/07725	NEEDLESMART LIMITED	NSMART TRADING LTD.
2020/07724	NEEDLESMART LIMITED	NSMART TRADING LTD.
2016/00461	NEEDLESMART LIMITED	NSMART TRADING LTD.
2020/03093	CONCERT PHARMACEUTICALS INC.	SUN PHARMACEUTICAL INDUSTRIES, INC.
2024/03108	SEABORG APS	HYPE ENERGY APS
2019/03076	2SEVENTY BIO, INC.	REGENERON PHARMACEUTICALS, INC.
2013/02669	ABBVIE IRELAND UNLIMITED COMPANY and ABBOTT GMBH	ABBVIE IRELAND UNLIMITED COMPANY
2014/01440	ABBVIE IRELAND UNLIMITED COMPANY and ABBOTT GMBH	ABBVIE IRELAND UNLIMITED COMPANY
2007/10092	SOLVAY USA LLC	RHODIA OPERATIONS
2007/10092	RHODIA OPERATIONS	SPECIALITY OPERATIONS FRANCE
2013/01267	RHODIA OPERATIONS	SPECIALITY OPERATIONS FRANCE
2009/02704	RHODIA OPERATIONS	SPECIALITY OPERATIONS FRANCE
2012/00222	RHODIA OPERATIONS	SPECIALITY OPERATIONS FRANCE
2008/03975	RHODIA OPERATIONS	SPECIALITY OPERATIONS FRANCE
2007/06187	RHODIA CHIMIE	RHODIA OPERATIONS
2007/06187	RHODIA OPERATIONS	SPECIALITY OPERATIONS FRANCE
2018/04556	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP POLYSIUS GMBH
2013/05355	KYOWA KIRIN SERVICES LTD	KYOWA KIRIN INTERNATIONAL HOLDCO LIMITED
2011/02090	KYOWA KIRIN SERVICES LTD	KYOWA KIRIN INTERNATIONAL HOLDCO LIMITED
2017/07619	KERRY LUXEMBOURG S.A.R.L.	KERRY GROUP SERVICES INTERNATIONAL LIMITED
2019/07709	KERRY LUXEMBOURG S.A.R.L.	KERRY GROUP SERVICES INTERNATIONAL LIMITED
2011/05591	KYOWA KIRIN SERVICES LTD	KYOWA KIRIN INTERNATIONAL HOLDCO LIMITED
2023/04149	FRAUSCHER SENSOR TECHNOLOGY GROUP GMBH	SENSONIC GMBH
2022/13379	FRAUSCHER SENSOR TECHNOLOGY GROUP GMBH	SENSONIC GMBH
2020/07416	FRAUSCHER SENSOR TECHNOLOGY GROUP GMBH	SENSONIC GMBH
2016/05701	AMERICAN WIND, INC.	STAVE OAK LENDING, LLC
2023/04463	CERECIN INC.	CERECIN AUSTRALIA PTY LIMITED

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2024/02006	LINDE AG	LINDE GMBH
2018/04556	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG
2017/06220	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG
2011/02663	POLYSIUS AG	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT
2011/02663	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT	THYSSENKRUPP RESOURCE TECHNOLOGIES AG
2011/02663	THYSSENKRUPP RESOURCE TECHNOLOGIES AG	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH
2011/02663	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH
2011/02663	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2011/02663	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2011/05940	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT	THYSSENKRUPP RESOURCE TECHNOLOGIES AG
2011/05940	THYSSENKRUPP RESOURCE TECHNOLOGIES AG	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH
2011/05940	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH
2011/05940	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2011/05940	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG
2011/07304	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT	THYSSENKRUPP RESOURCE TECHNOLOGIES AG
2011/07304	THYSSENKRUPP RESOURCE TECHNOLOGIES AG	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH
2011/07304	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH
2011/07304	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2011/07304	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG
2009/06311	POLYSIUS AG	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT
2009/06311	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT	THYSSENKRUPP RESOURCE TECHNOLOGIES AG
2009/06311	THYSSENKRUPP RESOURCE TECHNOLOGIES AG	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH
2009/06311	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2009/06311	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG

Application Number	In the name of	New name
2017/06221	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG
2017/06221	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG
2011/07304	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT	THYSSENRUPP RESOURCE TECHNOLOGIES AG
2011/07304	THYSSENRUPP RESOURCE TECHNOLOGIES AG	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH
2011/07304	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH
2011/07304	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2011/07304	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG
2011/02663	POLYSIUS	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT
2011/02663	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT	THYSSENRUPP RESOURCE TECHNOLOGIES AG
2011/02663	THYSSENRUPP RESOURCE TECHNOLOGIES AG	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH
2011/02663	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH
2011/02663	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2011/02663	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG
2011/05940	THYSSENKRUPP POLYSIUS AKTIENGESELLSCHAFT	THYSSENRUPP RESOURCE TECHNOLOGIES AG
2011/05940	THYSSENRUPP RESOURCE TECHNOLOGIES AG	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH
2011/05940	THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH
2011/05940	THYSSENKRUPP INDUSTRIAL SOLUTIONS GMBH	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG
2011/05940	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	thyssenkrupp Industrial Solutions AG
2021/09825	HEPTARES THERAPEUTICS LIMITED	NXERA PHARMA UK LIMITED
2021/09824	HEPTARES THERAPEUTICS LIMITED	NXERA PHARMA UK LIMITED
2010/02255	LABORATORIOS LESVI S.L.	NEURAXPHARM PHARMACEUTICALS S.L.
2023/01449	SHANGHAI LEADINGTAC PHARMACEUTICAL CO., LTD.	LEADINGTAC PHARMACEUTICAL (SHAOXING) CO., LTD.
2013/02669	ABBOTT GMBH & CO. KG	ABBOTT GMBH
2014/01440	ABBOTT GMBH & CO. KG	ABBOTT GMBH
2007/10092	RHODIA INC.	SOLVAY USA INC.
2007/10092	SOLVAY USA INC.	SOLVAY USA LLC
2013/01267	RHODIA CHINA CO., LTD.	SOLVAY (CHINA) CO., LTD.
2016/01657	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2017/08389	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED

Application Number	In the name of	New name
2015/07883	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2019/01213	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2015/07868	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2023/04733	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2014/01379	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2020/01136	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2016/07062	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2016/04834	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2016/03989	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2019/07580	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED

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

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2023/08607	WITHDRAWN	06/08/2024
2023/07903	WITHDRAWN	06/08/2024
2020/00377	WITHDRAWN	22/08/2024
2019/00202	WITHDRAWN	22/08/2024
2023/08689	WITHDRAWN	22/08/2024

APPLICATION FOR RESTORATION OF A LAPSED PATENT

THE PATENTS ACT, No. 57 OF 1978

APPLICATION FOR THE RESTORATION OF A LAPSED PATENT UNDER SECTION 47 OF THE ACT

Notice is hereby given that **DYNELECTRO APS**, whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2021/07222** entitled **ELECTROLYSIS SYSTEM WITH CONTROLLED THERMAL PROFILE**, dated **03/04/2020**, which lapsed on **03/04/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **ELLIPSE WORLD, INC.** whose address for service is **VON SEIDELS, CAPE TOWN** has applied to the registrar for the restoration of Patent No **2021/06107** entitled **PACKAGED ELECTRONIC MODULE AND MANUFACTURING METHOD THEREOF**, dated **11/03/2020**, which lapsed on **11/03/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **Rawya Lofty MANSOUR**, whose address for service is **DR GERNTHOLTZ INC, CAPE TOWN** has applied to the registrar for the restoration of Patent No **2016/04329** entitled **DEVICE FOR PRODUCING GREEN COAL FOR AGRICULTURAL USE**, dated **28/11/2014**, which lapsed on **28/11/2023** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

THE PATENTS ACT, No. 57 OF 1978

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

No records available

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: LUNELLA BIOTECH, INC. of 145 Richmond Road Ottawa Ontario K1Z 1A1 Canada. Request permission to amend the specification of letters patent no: **2022/07448** of **5 JULY 2022** for **SELECTIVE CDK4/6 INHIBITOR CANCER THERAPEUTICS**

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: ILLUMINA, INC. of 5200 Illumina Way San Diego California 92122 United States of America. Request permission to amend the specification of letters patent no: **2017/07715** of **14 NOVEMBER 2017** for **COMPOSITIONS, SYSTEMS, AND METHODS FOR SEQUENCING POLYNUCLEOTIDES USING TETHERS ANCHORED TO POLYMERASES ADJACENT TO NANOPORES**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: OSLO UNIVERSITETSSYKEHUS HF PO BOX 4950, NYDALEN, N-0424 OSLO, NORWAY. Request permission to amend the specification of letters no: **2017/05556** of **16/08/2017** for **UNIVERSAL KILLER T-CELL.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: ARCELORMITTAL 24-26 Boulevard d'Avranches L-1160 Luxembourg., JOHN COCKERILL S.A. 1 Rue Jean Potier 4100 Seraing. Request permission to amend the specification of letters patent no: **2024/04480** of **10/06/2024** for **ELECTROLYSIS APPARATUS FOR THE PRODUCTION OF IRON WITH AN IMPROVED GAS PERMEABLE ANODE PLATE.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: ARCELORMITTAL 24-26 Boulevard d'Avranches L-1160 Luxembourg., JOHN COCKERILL S.A. 1 Rue Jean Potier 4100 Seraing. Request permission to amend the specification of letters patent no: **2022/03979** of **10/06/2024** for **ELECTROLYSIS APPARATUS FOR THE PRODUCTION OF IRON WITH AN IMPROVED GAS PERMEABLE ANODE PLATE.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: WATSON MARLOW GMBH Kurt-Alder-Strasse 1 41569 Rommerskirchen. Request permission to amend the specification of letters patent no: **2022/03978** of **07/04/2022** for **CONVEYING DEVICE AT LEAST FOR CONVEYING A FLUID AND PUMP HAVING SUCH A CONVEYING DEVICE.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: WATSON MARLOW GMBH Kurt-Alder-Strasse 1 41569 Rommerskirchen. Request permission to amend the specification of letters patent no: **2022/03977** of **07/04/2022** for **PUMP WITH A CONVEYOR DEVICE AT LEAST FOR CONVEYING A FLUID AND SUCH A CONVEYOR DEVICE.**

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 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: 2014/02015. 22: 2014/03/19. 43: 2024/06/07

51: B01L

71: Becton, Dickinson and Company

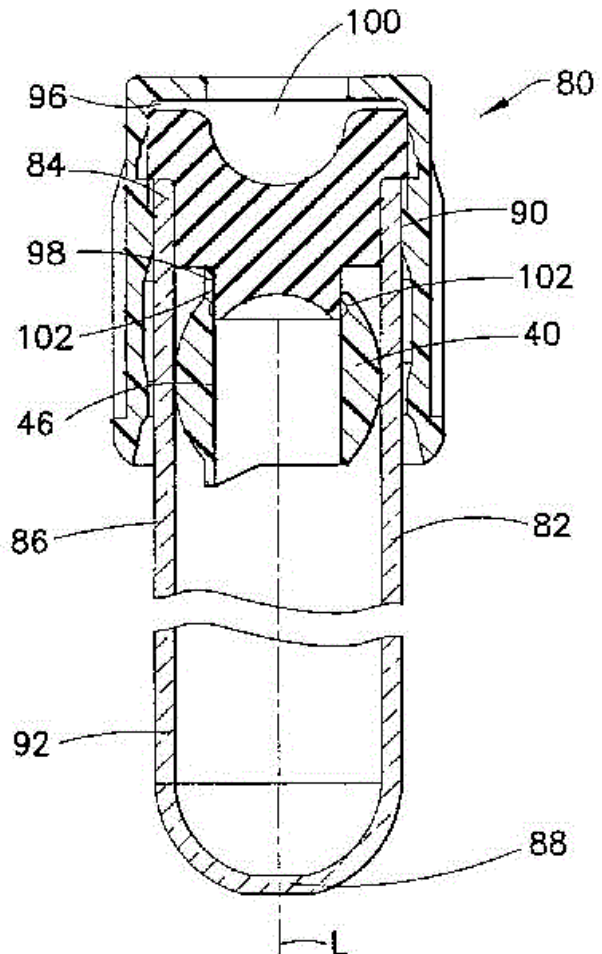
72: CRAWFORD, Jamieson W., ATTRI, Ravi,
BATTLES, Christopher A., HIRE, Gregory R.,
BARTFELD, Benjamin

33: US 31: 61/178,599 32: 2009-05-15

54: DENSITY PHASE SEPARATION DEVICE

00: -

A mechanical separator (40) for separating a fluid sample into first and second phases within a collection container (82) is disclosed. The mechanical separator may have a separator body having a through-hole (46) defined therein, with the through-hole adapted for allowing fluid to pass therethrough. The separator body includes a float (42), having a first density, and a ballast (44), having a second density greater than the first density. A portion of the float is connected to a portion of the ballast. Optionally, the float may include a first extended tab adjacent a first opening of the through-hole and a second extended tab adjacent the second opening of the through-hole. In certain configurations, the separator body also includes an extended tab band disposed about an outer surface of the float. The separator body may also include an engagement band circumferentially disposed about at least a portion of the separator body. The separator can be used for example for the separation of blood components.



21: 2015/05134. 22: 2015/07/16. 43: 2024/07/22

51: A61K; A61P

71: ALLERGAN, INC.

72: VISWANATH, Veena, BEARD, Richard, L,
DONELLO, John, E.

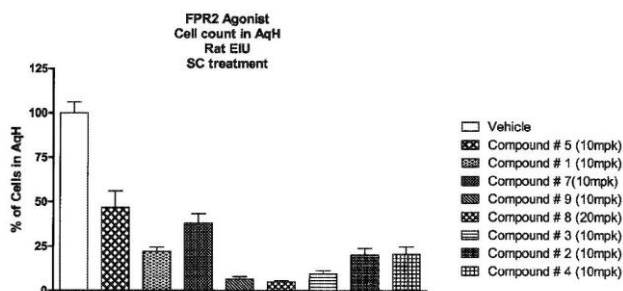
33: US 31: 61/773,773 32: 2013-03-06

**54: USE OF AGONISTS OF FORMYL PEPTIDE
RECEPTOR 2 FOR TREATING OCULAR
INFLAMMATORY DISEASES**

00: -

The present invention relates to a method for treating ocular inflammatory diseases in a subject in need of such treatment, which comprises

administering a pharmaceutical composition comprising a therapeutically effective amount of at least one agonist of Formyl peptide receptor 2.



21: 2016/00674. 22: 2016/01/29. 43: 2024/07/24
51: B01J; C07C; C10G
71: TOTAL RESEARCH & TECHNOLOGY FELUY
72: MINOUX DELPHINE, DATH JEAN-PIERRE,
HAW KOK-GIAP, GOUPIL JEAN-MICHEL, GILSON
JEAN-PIERRE, VALTCHEV VALENTIN,
NESTERENKO NIKOLAI

33: EP 31: 13175185.1 32: 2013-07-04

**54: CATALYST COMPOSITIONS COMPRISING
SMALL SIZE MOLECULAR SIEVES CRYSTALS
DEPOSITED ON A POROUS MATERIAL**

00: -

Catalyst compositions comprising an inorganic porous material with pore diameters of at least 2 nm and of crystals of molecular sieve, characterized in that the crystals of molecular sieve have an average diameter, measured by scanning electron microscopy, not bigger than 50 nm, and in that the catalyst composition presents a concentration of acid sites ranges from 50 to 1200 $\mu\text{mol/g}$ measured by TPD NH_3 adsorption; and the XRD pattern of said catalyst composition is the same as the X ray diffraction pattern of said inorganic porous material.

21: 2017/02506. 22: 2017/04/10. 43: 2024/07/29
51: A61K; G02C; A61Q; C07C; C07D; C08K; C09D;
C11D

71: COMMONWEALTH SCIENTIFIC AND
INDUSTRIAL RESEARCH ORGANISATION

72: YORK, Mark, RYAN, John

33: AU 31: 2015905371 32: 2015-12-23

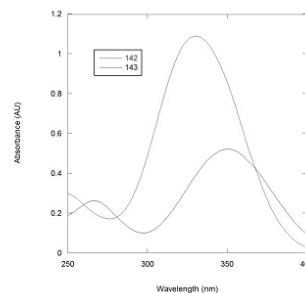
33: AU 31: 2016903778 32: 2016-09-20

54: COMPOUNDS

00: -

The present invention describes compounds and uses thereof in applications relating to absorption of electromagnetic energy. Preferred compounds are double bond-containing compounds capable of

absorbing electromagnetic radiation energy and having improved properties.



21: 2017/03404. 22: 2017/05/17. 43: 2024/06/10
51: C08K

71: Cytec Industries Inc.

72: ENG, J. Mon Hei, KOZAKIEWICZ, Joseph,
GUPTA, Ram B., CHO, Jian-Yang, RYLES,
Roderick G., KHAWAM, Fadi

33: US 31: 62/082,580 32: 2014-11-20

**54: STABILIZER COMPOSITIONS AND METHODS
FOR USING SAME FOR PROTECTING ORGANIC
MATERIALS FROM UV LIGHT AND THERMAL
DEGRADATION**

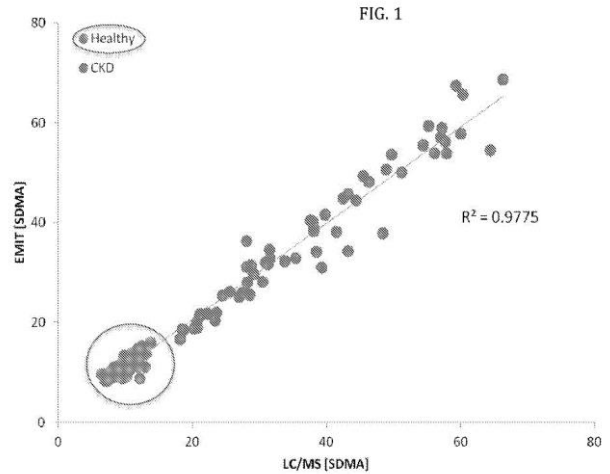
00: -

Stabilizer compositions having a stabilizing amount of at least one co-active agent; and a stabilizing amount of any one or more ultraviolet light absorber chosen from an ortho-hydroxyphenyl triazine, an ortho-hydroxy benzophenone, or an ortho-hydroxyphenyl benzotriazole, optionally in combination with a stabilizing amount of a hindered amine light stabilizer, are provided herein, along with masterbatch concentrates containing same, and processes for using same for stabilizing organic materials to protect against light and thermal degradation due to exposure to UV irradiation.

FIG. 1A



FIG. 1B



21: 2017/05365. 22: 2017/08/08. 43: 2024/07/31
51: C07C; C07K; G01N

71: IDEXX LABORATORIES, INC.

72: YERRAMILI, Murthy, VSN, XIE, Hongzhi, PATCH, Daniel, Wayne, FARACE, Giosi

33: US 31: 62/118,832 32: 2015-02-20

54: HOMOGENEOUS IMMUNOASSAY WITH COMPENSATION FOR BACKGROUND SIGNAL

00: -

Homogeneous immunoassays that allow for compensation of background signals inherent in samples and reagents. The use of homogeneous immunoassays for the detection of the presence or amount of symmetrical Dimethyl Arginine (SDMA) in biological samples. Reagents and kits for conducting the assays.

21: 2017/05628. 22: 2017/08/18. 43: 2024/06/07

51: A01N; A61K; C12N

71: University of Iowa Research Foundation, Fondazione Telethon

72: DAVIDSON, Beverly L., CHEN, Yong Hong, AURICCHIO, Alberto

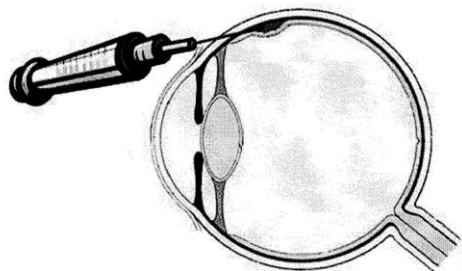
33: US 31: 62/118,934 32: 2015-02-20

54: METHODS AND COMPOSITIONS FOR TREATING GENETIC EYE DISEASES

00: -

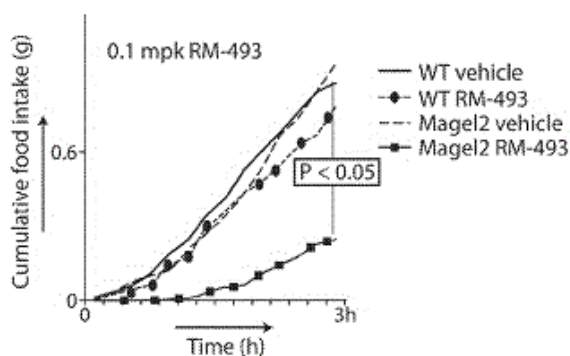
The present disclosure provides targeting peptides and vectors containing a sequence that encodes targeting peptides that deliver agents, to the eye. The present inventors have discovered peptides that function to target agents, such as viral vectors, to ocular cells. The present disclosure describes a method to utilize these novel peptides to direct, for example, viral capsids to the cell type of interest. In this instance, ocular cells (such as retinal cells) are targeted by the identified peptides. Vectors harboring capsid proteins modified to include such peptides can be used to provide therapeutic agents to the eye.

Figure 4
Subretinal injections



21: 2018/02704. 22: 2018/04/23. 43: 2024/06/28
51: A61K; A61P
71: RHYTHM PHARMACEUTICALS, INC.,
CHARITÉ-UNIVERSITÄTSMEDIZIN BERLIN
72: VAN DER PLOEG, LEONARDUS H.T.,
HENDERSON, BART, KUHNEN, PETER
33: US 31: 62/235,003 32: 2015-09-30
**54: METHOD OF TREATING MELANOCORTIN-4
RECEPTOR PATHWAY-ASSOCIATED
DISORDERS**

00: -
The disclosure is related to a method of treating a disorder, such as Prader Willi Syndrome (PWS), obesity or hyperphagia, in a subject using a melanocortin-4 receptor (MC4R) agonist. Also described is method of treating a subject having a deficiency in the pro-opiomelanocortin (POMC)-MC4R pathway, such as a POMC-null or a PCSK-null subject, using a MC4R agonist.



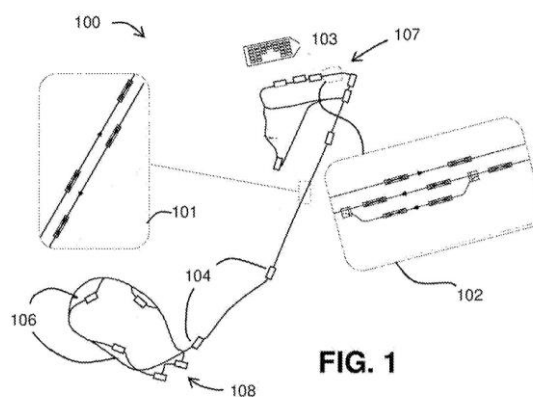
21: 2018/02921. 22: 2018/05/04. 43: 2024/07/18
51: A61K; C07D; A61P
71: NOVARTIS AG
72: THOMA, Gebhard

33: EP 31: 15196542.3 32: 2015-11-26
54: DIAMINO PYRIDINE DERIVATIVES
00: -

The present invention describes novel diamino pyridine derivatives exhibiting JAK modulating properties. The present invention also relates to pharmaceutical compositions comprising these novel compounds, methods of using said compounds in the treatment of various diseases and disorders being susceptible to JAK modulation, and processes for preparing the compounds described hereinafter.

21: 2018/03481. 22: 2018/05/25. 43: 2024/05/28
51: B61B
71: Eaglerail Container Logistics Inc.
72: MEISSNER, J. Michael
33: US 31: 62/246,535 32: 2015-10-26
**54: OVERHEAD TRANSPORT AND ROUTE
MANAGEMENT SYSTEM**

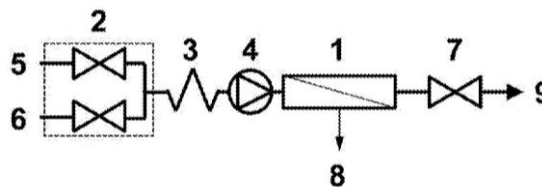
00: -
An overhead transport system includes a suspended railway and a motorized carrier configured to travel along the suspended railway. The motorized carrier includes a motorized trolley configured to move the motorized carrier along the suspended railway, chassis/beam configured to carry an object below the motorized trolley, and a bumper and deflection system configured to prevent the object from contacting another object.



21: 2018/03661. 22: 2018/06/01. 43: 2024/07/25
51: C12N
71: NOVARTIS AG
72: POLYDORO OFENGEIM, Manuela, WEILER, Jan
33: US 31: 62/270,165 32: 2015-12-21
**54: COMPOSITIONS AND METHODS FOR
DECREASING TAU EXPRESSION**

00: -

Provided herein are compositions and methods for decreasing tau mRNA and protein expression. These compositions and methods are useful in treating tau-related diseases and disorders.



21: 2018/03771. 22: 2018/06/07. 43: 2024/07/31
51: E21D

71: EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD

72: CROMPTON, Brendan Robert, SHEPPARD, James William

33: ZA 31: 2017/03891 32: 2017-06-07

54: A RESIN ANCHORED ROCK BOLT WITH A PIERCING END

00: -

The invention provides a resin bolt which includes an elongate shaft which extends between a leading end and a trailing end and a positioning head which is integral to the shaft at the leading end and which extends in the elongate axis of the shaft from a base edge to a crown, with the head formed with a plurality of projections, with each projection extending laterally, beyond the radial dimension of the shaft and each projection having a leading surface, which slopes from the crown to the base edge, and a trailing surface from the base edge to the shaft.

21: 2018/04528. 22: 2018/07/06. 43: 2024/06/12

51: B01D; C07K

71: Fujifilm Diosynth Biotechnologies UK Limited

72: HEISE, Charles, NAGY, Tibor

33: GB 31: 1600290.9 32: 2016-01-07

54: METHOD FOR PROCESSING SOLUTIONS OF BIOMOLECULES

00: -

Apparatus for in-line liquid exchanging a biomolecule-containing liquid is provided. The apparatus comprises a means (3) for mixing at least two liquids comprising a multiple inlet flow-controller (2), the means for mixing also comprising an outlet in fluid connection with a tangential flow filtration device (1) configured in single-pass mode.

21: 2018/05185. 22: 2018/08/01. 43: 2024/06/11

51: A61K; A61P; C07D

71: Chia Tai Tianqing Pharmaceutical Group Co., Ltd.

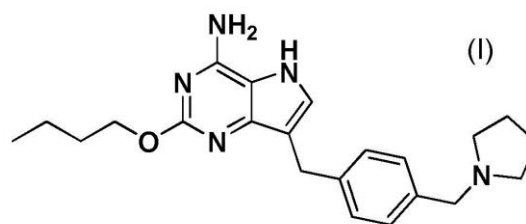
72: DING, Zhaozhong, SUN, Fei, HU, Yinghu, ZHOU, Yilong, WANG, Zheng, YANG, Ling

33: CN 31: 201610082030.0 32: 2016-02-05

54: TLR7 AGONIST MALEATE SALT, CRYSTALLINE FORMS C, D AND E THEREOF, PREPARATION METHODS AND USES OF MALEATE SALT AND CRYSTALLINE FORMS

00: -

The present invention relates to a maleate salt of a compound represented by formula I, a method for preparing the salt, a pharmaceutical composition containing the salt, and the use of the salt. The present invention also relates to crystalline forms C, D and E of the maleate salt of the compound represented by formula I, methods for preparing the crystalline forms, crystalline compositions and pharmaceutical compositions containing the crystalline forms, and uses thereof.



21: 2018/05186. 22: 2018/08/01. 43: 2024/06/11

51: A61K; A61P; C07D

71: Chia Tai Tianqing Pharmaceutical Group Co., Ltd.

72: DING, Zhaozhong, SUN, Fei, HU, Yinghu, ZHOU, Yilong, WANG, Zheng, ZHAO, Rui, YANG, Ling

33: CN 31: 201610082029.8 32: 2016-02-05

54: TLR7 AGONIST CRYSTALLINE FORM A, PREPARATION METHOD AND USE THEREOF

00: -

The present invention relates to crystalline form A of a TLR7 agonist 2-butoxy-7-(4-(pyrrolidin-1-ylmethyl)-benzyl)-5H-pyrrolo[3,2-d]pyrimidin-4-amine (formula I), a method for preparing the crystalline form A, and the use thereof.

21: 2018/06211. 22: 2018/09/14. 43: 2024/06/12

51: G06Q

71: nChain Holdings Limited

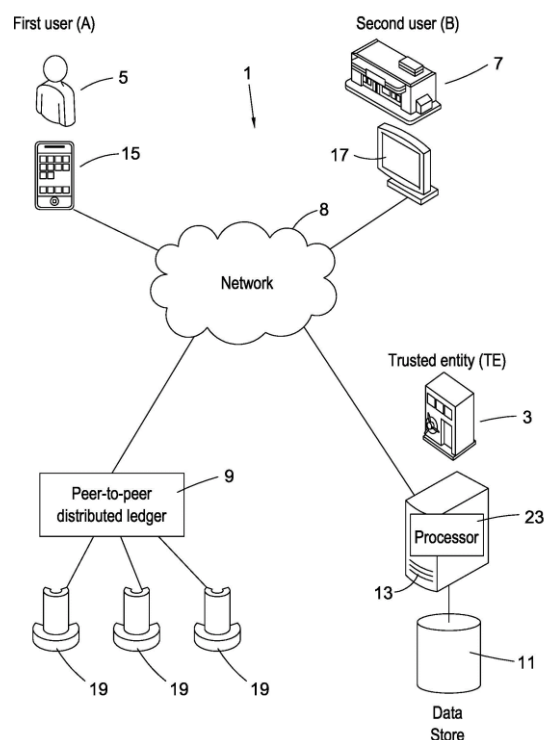
72: WRIGHT, Craig Steven, SAVANAH, Stephane

33: GB 31: 1605032.0 32: 2016-03-24

54: Methods and Systems for Recording Multiple Transactions on a Blockchain

00: -

A method and system of recording multiple transactions between a multiple of users on a blockchain (9), including a first transaction (22) from a first user (5) to a second user (7) and a second transaction (24) from the second user (7) to the first user (5). The blockchain may be, for example, the Bitcoin blockchain. The method may include receiving (110) a first request from a first node (15) associated with the first user (A) to transfer a first quantity of cryptocurrency associated with the first transaction (22) and receiving (120) a second request from a second node (17) to transfer a second quantity associated with the second transaction (24). The first transaction (22) is conditional on receiving (120) the second request and the second transaction (24) is conditional on receiving (110) the first request. The method also includes verifying (130) the first request and second request that includes determining both the conditional steps of receiving the first request and second request are satisfied. Based on verifying (130) the first request and second request, the method includes sending (140) a data output to the blockchain (9) to record the transfers of cryptocurrency associated with the first and second transactions (22, 24).



21: 2018/06675. 22: 2018/10/08. 43: 2024/07/31

51: A61K; C07D; A61P

71: BOEHRINGER INGELHEIM VETMEDICA GmbH

72: GORTER DE VRIES, Roelof, Johannes,

BAILLON, Bruno, LAFONT Sylvaine, GAY DE

SAINT MICHEL, Myriam, KOZLOVIC, Stephane,

YANG, Chunhua, LE HIR DE FALLOIS, Loic,

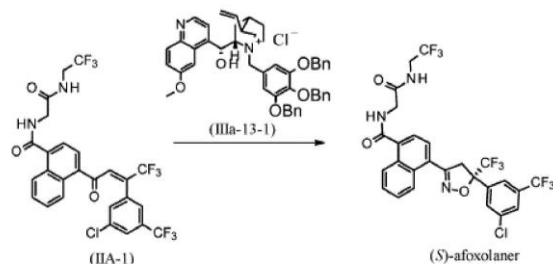
Patrick, MENG, Charles, Q., LONG, Alan

33: US 31: 62/319,207 32: 2016-04-06

54: PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED ISOXAZOLINE COMPOUNDS - CRYSTALLINE TOLUENE SOLVATE OF (S)-AFOXOLANER

00: -

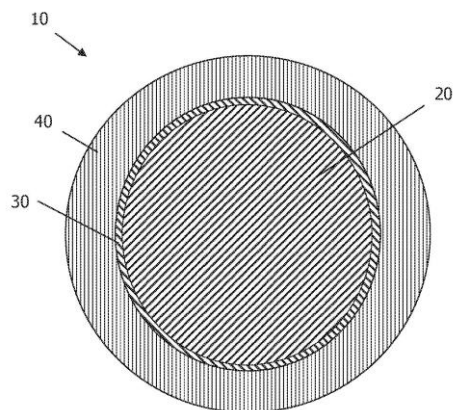
This invention relates to processes for the preparation of antiparasitic isoxazoline compounds enriched in an enantiomer using quinine- based chiral phase transfer catalysts. The invention also relates to novel quinine-based phase transfer catalysts and to a crystalline toluene solvate form of (S)-afoxolaner.



21: 2018/06712. 22: 2018/10/09. 43: 2024/05/28
 51: A01K; D01F; D02G; D07B
 71: Scientific Anglers LLC
 72: JENKINS, Joshua Herbert, LEPAGE, James, WILKOWSKI, Stephen Paul, BOSWAY, Andrew
 33: US 31: 62/311,449 32: 2016-03-22

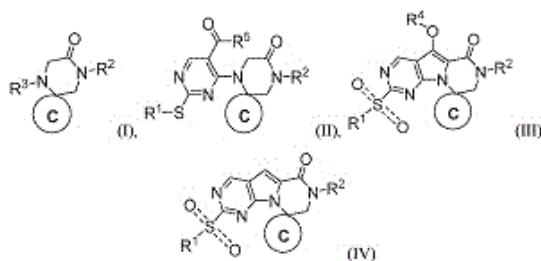
54: FLY FISHING LINE AND METHOD FOR MANUFACTURING SAME

00: -
 The present disclosure is to a fly fishing line (10) and a method of making a fly fishing line (10). The method includes preparing a composition comprising a polymer resin, a co-polymer of silicone, and one or more other polymeric materials. The method includes applying the composition around an elongated core (20). The method also includes exposing the composition to conditions that form a coating (40) around the elongated core (20) thereby forming the fly-fishing line (10). The composition is a plastisol composition and the polymer resin is a polyvinyl chloride resin. The fly fishing lines include an elongated core (20) a coating (40) disposed around the elongated core (20). The coating (40) comprises a polymer resin, a co-polymer of silicone, and one or more other polymeric materials.



21: 2018/08535. 22: 2018/12/18. 43: 2024/06/28
 51: A61K; C07D
 71: G1 THERAPEUTICS, INC.
 72: SMITH, ALEXANDER, WHITE, HANNAH S, TAVARES, FRANCIS XAVIER, KRASUTSKY, SERGIY, CHEN, JIAN-XIE, DORROW, ROBERTA L, ZHONG, HUA
 33: US 31: 62/357,797 32: 2016-07-01
54: SYNTHESIS OF N-(HETEROARYL)-PYRROLO[3,2-D]PYRIMIDIN-2-AMINES

00: -
 This invention is in the area of synthesizing pyrimidine-based compounds useful in the treatment of disorders involving abnormal cellular proliferation, including but not limited to tumors and cancers.



21: 2018/08577. 22: 2018/12/19. 43: 2024/06/24
 51: C07K; C12N
 71: Nunhems B.V.
 72: SIRIZZOTTI, Alberto, BERENTSEN, Richard Bernard, VRIEZEN, Hendrik Willem
 33: EP(NL) 31: 16171462.1 32: 2016-05-26
54: SEEDLESS FRUIT PRODUCING PLANTS

00: -
 The present invention is directed to seedless fruit producing plants. The present invention also comprises methods for production of said plants and the use of nucleic acids encoding cyclin SDS like proteins for the production of seedless fruits.

21: 2019/00450. 22: 2019/01/22. 43: 2024/07/31
 51: A21D; C12N
 71: PURATOS NV
 72: DEVELTER, Bram
 33: BE 31: 2016/5579 32: 2016-07-11
54: IMPROVED BAKERY COMPOSITION

00: -
 It has been found that the combination of enzymes, in particular the combination of a thermophilic serine protease and a lipase, are able to improve the short bite in bakery products. Provided herein are compositions comprising these enzymes, the use of

this combination of enzymes and methods for preparing bakery products using the combination of a thermophilic serine protease and a lipase.

21: 2019/01168. 22: 2019/02/25. 43: 2024/06/10

51: A61K; A61P; C07F

71: Anacor Pharmaceuticals, Inc.

72: AKAMA, Tsutomu, CARTER, David Scott, HALLADAY, Jason S., JACOBS, Robert T., LIU, Yang, PLATTNER, Jacob J., ZHANG, Yong-Kang, WITTY, Michael John

33: US 31: 62/335,565 32: 2016-05-12

54: NOVEL COMPOUNDS FOR TREATING PARASITIC DISEASE

00: -

The present invention provides certain oxaborole ester compounds and compositions thereof which are useful to treat diseases associated with parasites, such as African Animal Trypanosomosis.

21: 2019/01170. 22: 2019/02/25. 43: 2024/06/11

51: A61K; A61P

71: BIOLOGICAL E LIMITED

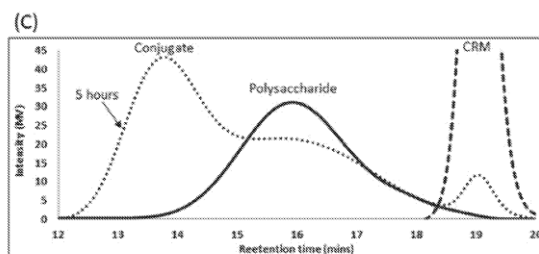
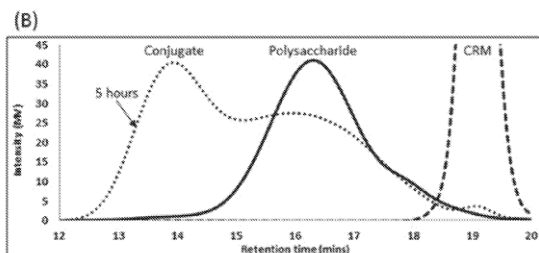
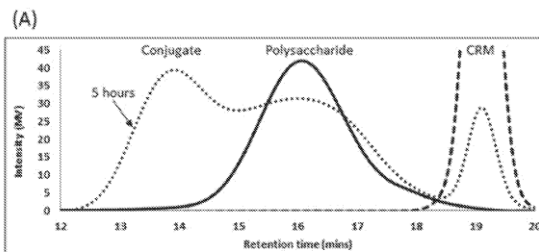
72: MATUR, Ramesh Venkat, MANTENA, Narender Dev, SRIRAMAN, Rajan, CHAKKA, Deviprasanna, SUREDDI, Satyam Naidu, BURKI, Rajendar, GANTI, Sreenivasa Rao, DATLA, Mahima

33: IN 31: 201641033563 32: 2016-09-30

54: MULTIVALENT PNEUMOCOCCAL VACCINE COMPOSITIONS COMPRISING POLYSACCHARIDE-PROTEIN CONJUGATES

00: -

The present disclosure relates to multivalent pneumococcal vaccine compositions comprising capsular pneumococcal polysaccharide serotypes each individually conjugated to carrier proteins. When conjugated, the combination of the capsular pneumococcal polysaccharide serotype and the carrier protein is referred to herein as a polysaccharide-protein conjugate. The pneumococcal vaccine compositions may further comprise one or more of the following; a pharmaceutically acceptable carrier, a pharmaceutically acceptable diluent, a buffer, a preservative, a stabilizer, an adjuvant, and/or a lyophilization excipient. Methods of making and administering the pneumococcal vaccine compositions described herein are also provided.



21: 2019/01557. 22: 2019/03/13. 43: 2024/07/15

51: A61K; C07K

71: REGENERON PHARMACEUTICALS, INC.

72: HABER, Lauric, SMITH, Eric, KELLY, Marcus, KIRSHNER, Jessica, R., COETZEE, Sandra, CRAWFORD, Alison, NITTOLI, Thomas, LIU, Yashu

33: US 31: 62/399,249 32: 2016-09-23

33: US 31: 62/558,711 32: 2017-09-14

54: BI SPECIFIC ANTI-MUC16-CD3 ANTIBODIES AND ANTI-MUC16 DRUG CONJUGATES

00: -

The present disclosure provides anti mucin 16 antibodies: bispecific antibodies (bsAbs) that bind to both MUC16 and CD3 and activate T cells via the CD3 complex in the presence of MUC16-expressing tumors. human IgG antibodies that bind to human and MUC16 (monospecific antibodies). anti-MUC16 antibody drug conjugates which inhibit tumor growth in vivo The antibodies are useful for the treatment of various cancers, including ovarian cancer.

21: 2019/01857. 22: 2019/03/26. 43: 2024/06/10

51: B02C; C08J; C08K; C08L

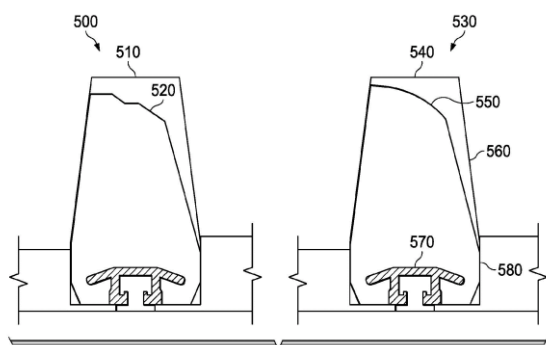
71: Weir Slurry Group, Inc.

72: GOZALO, Francisco A., CLARK, Sanford W., MENG, Tham, LANE, Timothy

54: WEAR-RESISTANT RUBBER COMPOSITIONS, SYSTEMS, AND METHODS

00: -

This disclosure relates to wear-resistant rubber compositions, such as those, for example, comprising at least one hydroxy-terminated polybutadiene, at least one natural rubber, at least one polymerization accelerant; at least one sulfur; and at least one polybutadiene, wherein the wear-resistant rubber composition may have an effective cross-linking density of at least about 30×10^{-5} moles/cm³.



21: 2019/02079. 22: 2019/04/03. 43: 2024/07/29

51: A61K; A61P

71: BIO-PATH HOLDINGS, INC.

72: ASHIZAWA, Ana Tari

33: US 31: 62/395,680 32: 2016-09-16

33: US 31: 62/487,277 32: 2017-04-19

54: COMBINATION THERAPY WITH LIPOSOMAL ANTISENSE OLIGONUCLEOTIDES

00: -

Provided herein are methods of treating a cancer in a patient comprising administration of an effective amount of a nuclease-resistant polynucleotide that hybridizes to the translation initiation site of a Grb2 nucleic acid in the patient and either a Bcr-Abl tyrosine kinase inhibitor (e.g., dasatinib) or a cytidine analogue (e.g., decitabine or cytarabine). The cancer may be Ph+ and/or Bcr-Abl positive chronic myelogenous leukemia or acute myeloid leukemia or myelodysplastic syndrome.

21: 2019/02146. 22: 2019/04/05. 43: 2024/06/19

51: C07K; A61P

71: MERUS N.V.

72: GEUIJEN, CECILIA ANNA WILHELMINA, THROSBY, MARK, DE KRUIF, CORNELIS

ADRIAAN, KLOOSTER, RINSE, TACKEN, PAULUS JOHANNES, LOGTENBERG, TON

33: EP 31: 16190499.0 32: 2016-09-23

54: BINDING MOLECULES THAT MODULATE A BIOLOGICAL ACTIVITY EXPRESSED BY A CELL

00: -

The invention provides means and methods of stimulating activity of a member of the TNF receptor superfamily on a cell. The invention also provides binding molecules such as antibodies that comprises at least two antigen binding sites, wherein a first antigen binding site can bind an extracellular part of said member and a second antigen binding site can bind an extracellular part of a second (different) membrane protein.

21: 2019/02490. 22: 2019/04/17. 43: 2024/06/12

51: G06Q

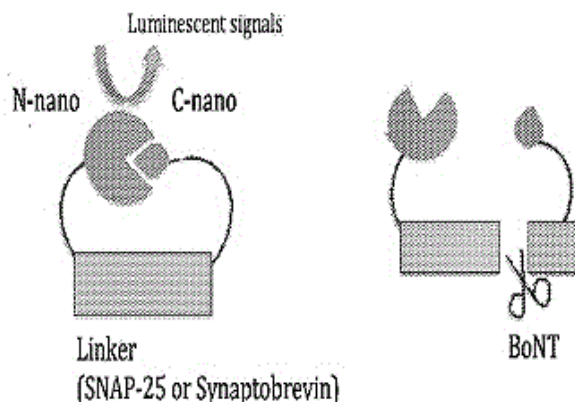
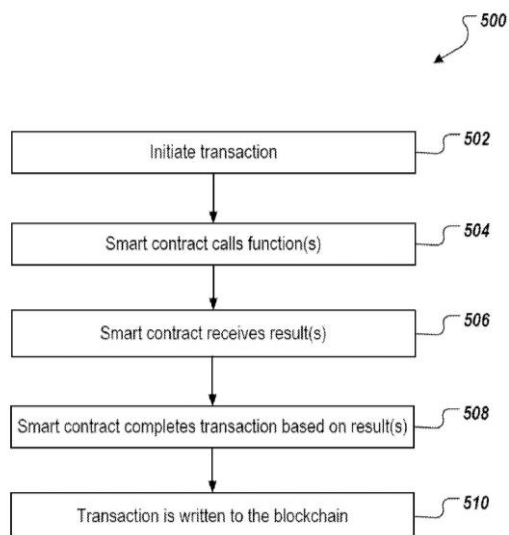
71: Advanced New Technologies Co., Ltd.

72: SHAO, Kailai, LU, Xuming

54: FUNCTION-AS-A-SERVICE (FAAS) PLATFORM IN BLOCKCHAIN NETWORKS

00: -

Implementations of the present specification include receiving, from a smart contract, and by a function controller executing within the blockchain network, a function call to execute a function, the function call including data for execution of the function, transmitting, by the function controller, the data of the function call to a function component, the function component executing the function based on the data of the function call, receiving, by the function controller, a function result from the function component, and providing, by the function controller, the function result to the smart contract.



21: 2019/02654. 22: 2019/04/26. 43: 2024/06/10
 51: G01N; C12Q; C12N
 71: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

72: DONG, MIN, YU, FEIFAN

33: US 31: 62/410,558 32: 2016-10-20

54: IN VITRO AND CELL BASED ASSAYS FOR MEASURING THE ACTIVITY OF BOTULINUM NEUROTOXINS

00: -

Disclosed herein are means for the detection and characterization of neurotoxins such as botulinum neurotoxin (BoNT) or tetanus neurotoxin. The present disclosure provides methods for determining potency and activity of neurotoxins in vitro and in vivo. Also disclosed are polypeptides comprising N- and C- terminal fragments of a reporter protein that are split by a linker comprising a neurotoxin cleavage site. Cleavage of the linker by a neurotoxin decreases reporter protein activity, thereby indicating activity of the neurotoxin. Compositions and kits comprising the disclosed polypeptides, nucleic acids comprising nucleotide sequences encoding such polypeptides, and cells expressing such polypeptides are also disclosed.

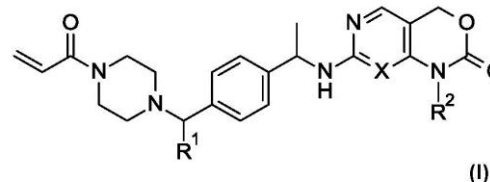
21: 2019/03125. 22: 2019/05/17. 43: 2024/06/10
 51: A61K; A61P; C07D
 71: Eli Lilly and Company

72: BAUER, Renato Alejandro, BOULET, Serge Louis, BURKHOLDER, Timothy Paul, GILMOUR, Raymond, HAHN, Patric James, RANKOVIC, Zoran
 33: US 31: 62/435,283 32: 2016-12-16

54: 7-PHENYLETHYLAMINO-4H-PYRIMIDO[4,5-D][1,3]OXAZIN-2-ONE COMPOUNDS AS MUTANT IDH1 AND IDH2 INHIBITORS

00: -

A compound, as defined herein, or pharmaceutical composition containing the compound, for use in treating IDH1 or IDH2 mutant cancer and having the structure: (I).



21: 2019/03129. 22: 2019/05/17. 43: 2024/06/12
 51: B22C

71: HÜTTENES-ALBERTUS Chemische Werke Gesellschaft mit beschränkter Haftung
 72: DÍAZ FERNÁNDEZ, Jaime, SEELBACH, Wolfgang

33: DE 31: 10 2016 123 051.0 32: 2016-11-29

54: AMINO ACID-CONTAINING MOULDING MATERIAL MIXTURE FOR PRODUCTION OF MOULDINGS FOR THE FOUNDRY INDUSTRY

00: -

The present invention relates to a moulding material mixture for production of mouldings for the foundry industry, especially for production of foundry moulds, cores or feeders, for the foundry industry, comprising

A) one or more pourable refractory fillers, B) a binder system comprising i) formaldehyde, a formaldehyde donor and/or precondensates of formaldehyde, and ii) an amino acid. The present invention additionally relates to the use of amino acids in a moulding material mixture for production of mouldings for the foundry industry or for production of mouldings for the foundry industry, to a process for producing a moulding material mixture and to a process for producing a moulding for the foundry industry.

21: 2019/04033. 22: 2019/06/21. 43: 2024/06/04
51: A61K; A61P

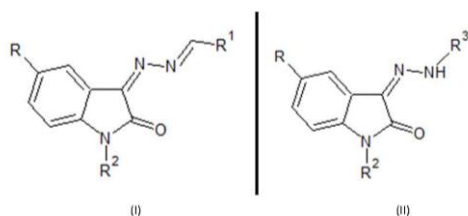
71: UNIVERSITY OF KWAZULU-NATAL

72: KARUNANIDHI, Sivanandhan, CHANDRASEKARAN, Balakumar, KARPOORMATH, Rajshekhkar, KAJEE, Afsana
33: ZA 31: 2016/08234 32: 2016-11-29

54: PHARMACEUTICAL COMPOUNDS

00: -

A compound having the general formula (I) or (II), in which R, R₁, R₂ and R₃ are as described herein, or a pharmaceutically acceptable salt thereof, is provided. An associated method for treating a mycobacterial infection is also provided.



21: 2019/04533. 22: 2019/07/10. 43: 2024/06/12
51: A61K; A61P; C07K

71: Fundacio Privada Institutio Catalana De Recerca I Estudis Avancats, Fundacio Privada Institut D'investigacio Oncologica De Vall Hebron, MedImmune Limited

72: SEOANE SUAREZ, Joan, ANIDO FOLGUEIRA, Judit, FRANSSON, Johan, JULIEN, Jean-philippe, RAMAN, Swetha

33: EP(ES) 31: 16382617.5 32: 2016-12-19

54: ANTIBODIES AGAINST LIF AND USES THEREOF

00: -

Described herein are antibodies that target Leukemia Inhibitory Factor (LIF). Also described herein are uses of these antibodies for the treatment of cancer.

21: 2019/05579. 22: 2019/08/23. 43: 2024/07/08
51: C12N

71: UNIVERSITÄT BASEL

72: DE LIBERO, Gennaro, LEPORE, Marco, MORI, Lucia

33: EP 31: 17159754.5 32: 2017-03-07

33: EP 31: 17179309.4 32: 2017-07-03

54: MR1 RESTRICTED T CELL RECEPTORS FOR CANCER IMMUNOTHERAPY

00: -

The invention relates to a method of isolating a T cell that expresses a T cell receptor capable of binding specifically to an antigen presented by a cancer cell in association with an MR molecule. The method comprises the steps of (a) providing a preparation of T cells, (b) contacting the preparation with cancer cells expressing MR1 protein; (c) isolating a T cell that is specifically reactive to said cancer cells. The invention further relates to a method of preparing a T cell preparation expressing select MR1 recognizing T cell receptors from transgene expression vectors, the use of such T cell preparations in treatment of cancer, and to collections of MR1 reactive T cell receptor encoding nucleic acids and cells.

21: 2020/00148. 22: 2020/01/09. 43: 2024/07/09
51: A61K; C07D

71: BOARD OF REGENTS, UNIVERSITY OF TEXAS SYSTEM, CHEMPARTNER CORPORATION

72: DI FRANCESCO, Maria Emilia, JONES, Philip, CARROLL, Christopher Lawrence, CROSS, Jason Bryant, RAMASWAMY, Suyambu Kesava Vijayan, JOHNSON, Michael Garrett, LIVELY, Sarah, LAPOINTE, David

33: US 31: 62/531,951 32: 2017-07-13

54: HETEROCYCLIC INHIBITORS OF ATR KINASE

00: -

The present disclosure relates to heterocyclic compounds and methods which may be useful as inhibitors of ATR kinase for the treatment or prevention of cancer.

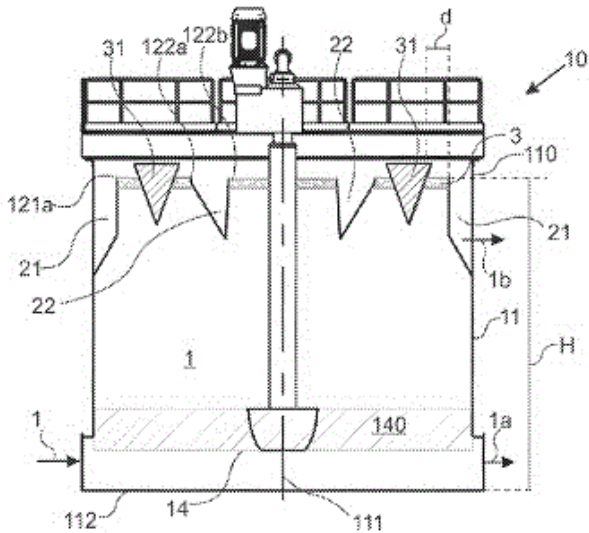
21: 2020/00235. 22: 2020/01/14. 43: 2024/06/19
51: B03D

71: METSO OUTOTEC FINLAND OY

72: TUOMINEN, JERE, GRAU, RODRIGO, MIETTINEN, TATU, MÖNKÄRE, ZAKARIA

54: FROTH FLOTATION UNIT

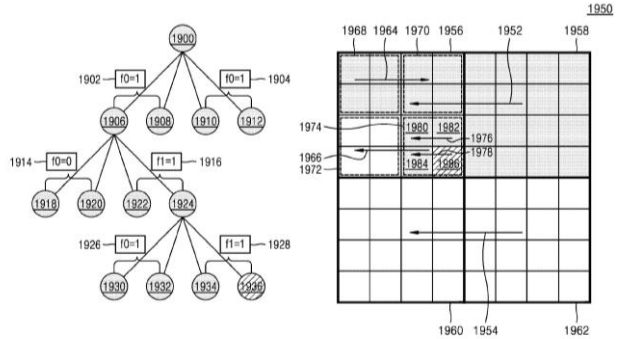
00: -
 A froth flotation unit (10) for treating mineral ore particles suspended in slurry (1) is disclosed. The froth flotation unit comprises a tank (11), a gas supply for introducing flotation gas (2) into the slurry to form froth (3), and a first froth collection launder (21) comprising a first froth overflow lip (121a) facing towards the centre (111) of the tank (11). The froth flotation unit has a pulp area (A) of at least 15 m² measured at a mixing area (140). The froth flotation unit further comprises a second froth collection launder (22) with a first froth overflow lip (122a) facing the perimeter (110) of the flotation tank (11), and a froth blocker (31) arranged between the first froth overflow lip (121a) and the second froth overflow lip (122a). A froth flotation line, its use, and a froth flotation method are also disclosed.



21: 2020/00667. 22: 2020/01/31. 43: 2024/06/12
 51: H04N
 71: Samsung Electronics Co., Ltd.
 72: PIAO, Yin-ji
 33: US 31: 62/534,424 32: 2017-07-19
54: ENCODING METHOD AND APPARATUS THEREFOR, DECODING METHOD AND APPARATUS THEREFOR

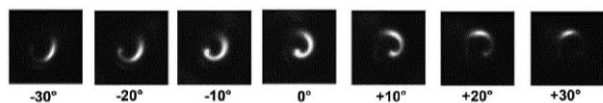
00: -
 Provided is a method for decoding a video, comprising the steps of: obtaining, from a bitstream, partition information indicating whether or not a current block is to be partitioned; partitioning the current block into two or more sub-blocks when the partition information indicates that the current block

is to be partitioned; determining lower-level horizontal encoding order information of the sub-blocks of the current block according to higher-level horizontal encoding order information applied to the current block on the basis of at least one of the partition information, size information and adjacent block information of the current block; and decoding the sub-blocks according to the lower-level horizontal encoding order information.



21: 2020/00683. 22: 2020/01/31. 43: 2024/05/28
 51: B05D; C09D
 71: SICPA HOLDING SA
 72: AMERASINGHE, Cédric, MUELLER, Edgar, LOGINOV, Evgeny, SCHMID, Mathieu, DESPLAND, Claude-Alain
 33: EP(CH) 31: 17187930.7 32: 2017-08-25
54: ASSEMBLIES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL OBLATE MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES

00: -
 The present invention relates to the field of optical effect layers (OEL) comprising magnetically oriented non-spherical oblate magnetic or magnetizable pigment particles on a substrate, spinneable magnetic assemblies and processes for producing said optical effect layers (OEL). In particular, the present invention relates to spinneable magnetic assemblies and processes for producing said OELs as anti-counterfeit means on security documents or security articles or for decorative purposes.



21: 2020/01220. 22: 2020/02/26. 43: 2024/06/03
 51: A01H; C12N
 71: FuturaGene Israel Ltd.

72: ABRAMSON, Miron, SINAI, Tany, LIVNE, Sivan
 33: US 31: 62/559,746 32: 2017-09-18

54: TISSUE-SPECIFIC EXPRESSION CONTROL OF DELLA POLYPEPTIDES

00: -
 Constructs for genetically engineering plants to selectively alter DELLA gene expression to promote plant growth while maintaining root integrity are provided, as are methods of designing, making and using such constructs.

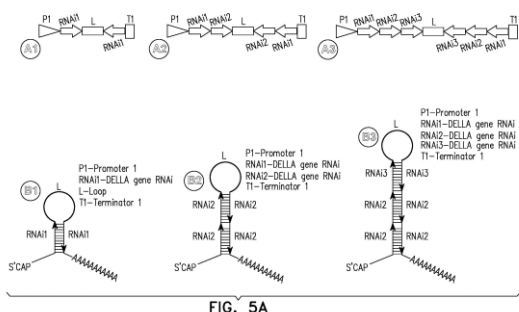


FIG. 5A

21: 2020/01294. 22: 2020/02/28. 43: 2024/06/11
 51: A61K; C07K; A61P

71: NUMAB THERAPEUTICS AG
 72: URECH, David, GUNDE, Tea, MEYER, Sebastian, BROCK, Matthias, HESS, Christian, SIMONIN, Alexandre, WARMUTH, Stefan

33: EP 31: 17195779.8 32: 2017-10-10

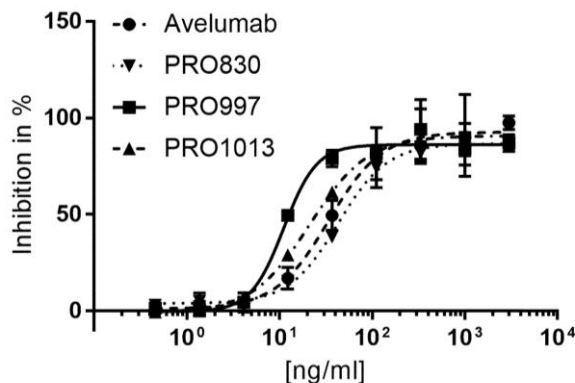
33: EP 31: 18150465.5 32: 2018-01-05

33: EP 31: 18167093.6 32: 2018-04-12

33: EP 31: 18180814.8 32: 2018-06-29

54: MULTISPECIFIC ANTIBODY

00: -
 The present invention relates to a multispecific antibody comprising at least one CD137 binding domain and at least one PDL1 binding domain, and pharmaceutical compositions and methods of use thereof. The present invention further relates to a nucleic acid encoding said multispecific antibody, a vector comprising said nucleic acid, a host cell comprising said nucleic acid or said vector, and a method of producing said multispecific antibody.



21: 2020/01699. 22: 2020/03/18. 43: 2024/05/30
 51: B27N C08L B32B

71: BASF SE
 72: MUELLER, Christian, LINDNER, Jean-Pierre Berkan, WEINKÖTZ, Stephan, KRONIG, Sabrina
 33: EP 31: 17187501.6 32: 2017-08-23

54: METHOD FOR PRODUCING LIGNOCELLULOSE MATERIALS IN THE PRESENCE OF CAPROLACTAM AND OLIGOMERS OF CAPROLACTAM

00: -
 The invention relates to a method for producing isocyanate-based lignocellulose materials in the presence of caprolactam, oligomers of caprolactam or mixtures thereof. The invention further relates to the lignocellulose materials that can be obtained in this way and to the use thereof in furniture construction, house construction, interior finishing and exhibition construction.

21: 2020/01930. 22: 2020/03/24. 43: 2024/06/03
 51: A21D; C12N

71: NOVOZYMES A/S
 72: OESTDAL, HENRIK, TASSONE, MONICA, CATLETT, MICHAEL GLENN, HOGSETT, DAVID, NIELSEN, MICHAEL LYNGE

33: US 31: 62/551,318 32: 2017-08-29

54: BAKER'S YEAST EXPRESSING ANTI-STALING/FRESHNESS AMYLASES

00: -
 A recombinant yeast cell comprising a heterologous polynucleotide encoding an anti-staling/freshness amylase; in particular an anti-staling/freshness amylase selected from the group consisting of a maltogenic amylase (EC 3.2.1.133), a beta-amylase (EC 3.2.1.2), and a glucan 1,4-alpha-maltotetrahydrolase (EC 3.2.1.60).

21: 2020/02565. 22: 2020/05/08. 43: 2024/07/17

51: B01J; C07C

71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

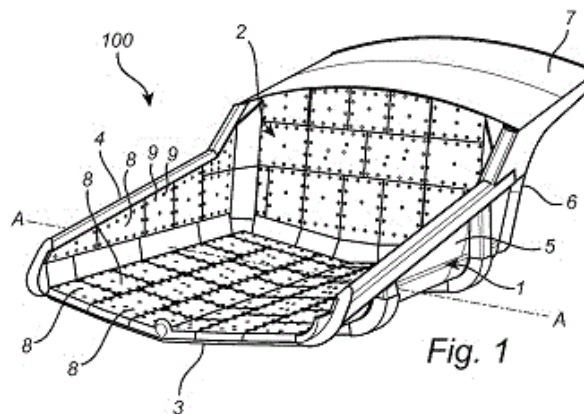
72: M. SC. OUDA, Mohamed, WHITE Robin J., SCHAADT Achim

33: DE 31: 10 2017 218 782.4 32: 2017-10-20

54: METHOD FOR PRODUCING POLYOXYMETHYLENE DIMETHYL ETHERS

00: -

The invention relates to a method for producing polyoxymethylene dimethyl ethers (OME) from methanol (ME), and to the use of a catalyst in the production of polyoxymethylene dimethyl ethers (OME) from methanol (ME) for controlling the substance ratio of dimethoxymethane (OME 1) and formaldehyde (FA) initially formed from methanol (ME).



21: 2020/03451. 22: 2020/06/09. 43: 2024/06/28

51: B60P; B60R

71: METSO FINLAND OY

72: LARSSON, FREDRIK, PERSSON, HENRIK, HÄLLEVALL, NICLAS, GYBERG, MICHAEL

33: SE 31: 1751484-5 32: 2017-12-01

54: TRUCK BOX

00: -

The present invention relates to a haul truck body arranged to have a specific nominal payload capacity. The haul truck body comprising an outer load carrying structure which has a front wall, two opposing side walls, and a bottom. The haul truck body further comprises an inner load carrying structure arranged at inner surfaces of said outer load carrying structure, wherein neither the outer load carrying structure nor the inner load carrying structure alone is arranged to carry said specific nominal payload.

21: 2020/04320. 22: 2020/07/14. 43: 2024/06/04

51: G06F; H04L

71: nChain Holdings Limited

72: BARTOLUCCI, Silvia, FLETCHER, John

33: GB 31: 1721049.3 32: 2017-12-15

54: COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR AUTHORISING BLOCKCHAIN TRANSACTIONS WITH LOW-ENTROPY PASSWORDS

00: -

There may be provided a blockchain-implemented security method involving a requestor and a group of nodes, which includes generating a cryptographic key of the requestor based on a password chosen by the requestor and first quantities sent by the group of nodes (which are derived from private key shares of the group of nodes and a generator function of a digital signature scheme employing a bilinear mapping on an elliptic curve). A cryptographic signature for a requestor blockchain transaction can be generated where the signature corresponds to the requestor's cryptographic key. The signature can be based on the password and second quantities sent by the group of nodes (which are also derived from the group private key shares). The method can further include verifying the cryptographic signature of the blockchain transaction using the requestor's cryptographic key. Additionally or alternatively, the method can employ a consensus mechanism involving the group of nodes to allow the requestor to authorise a transaction with a password. The method can be logically partitioned into a sequence of phases, including an initialisation phase, a funding phase, and a payment authorization phase (which involves a pre-spending transaction and a spending transaction).

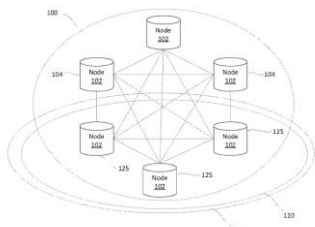


FIG. 1A

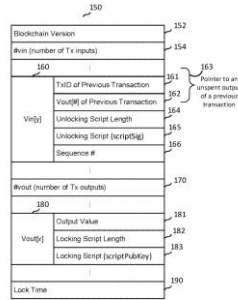
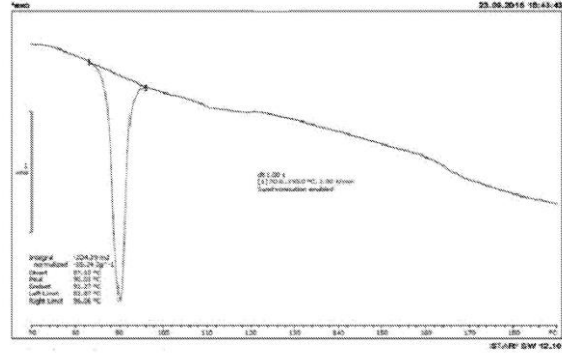


FIG. 1B



21: 2020/04370. 22: 2020/07/16. 43: 2024/07/17
51: A61K; C07K; A61P

71: ABLYNX NV

72: CALLEWAERT, Filip, DE WINTER, Hilde

33: US 31: 62/627,082 32: 2018-02-06

33: US 31: 62/662,381 32: 2018-04-25

54: METHODS OF TREATING INITIAL EPISODE OF TTP WITH IMMUNOGLOBULIN SINGLE VARIABLE DOMAINS

00: -

The present invention is based on the finding that administration of polypeptides comprising two immunoglobulin single variable domains (ISVD) against von Willebrand Factor (vWF) to human patients with an initial episode of thrombotic thrombocytopenic purpura (TTP) episode results in improved outcomes, including a faster time to platelet count response lower proportion of patients with either death, recurrence or a major thromboembolic event (TE) during the treatment period, lower recurrence rate, and prevention of refractoriness. The invention provides a polypeptide comprising two ISVD against vWF for use in treating a vWF-related disease, preferably TTP, in a human in need thereof. The invention further relates to dosage unit forms, kits and medical uses for treating TTP.

21: 2020/04427. 22: 2020/07/17. 43: 2024/05/30
51: A01N; A01P

71: UPL LTD

72: PATEL, Rakesh Bhulabhai, BHOGE, Satish Ekanath, SHROFF, Jaidev Rajnikant, SHROFF, Vikram Rajnikant

33: IN 31: 201731045819 32: 2017-12-20

54: CO-CRYSTALS OF BOSCALID AND TRIAZOLES

00: -

The present invention relates to co-crystals of boscalid and a triazole fungicide.

21: 2020/05297. 22: 2020/08/25. 43: 2024/06/05
51: E04B; E04G

71: ARROW POINT ENGINEERING (PTY) LTD

72: Amanuel GEBREMESKEL

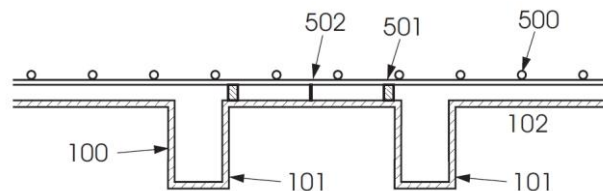
33: WO 31: PCT/IB2018/059344 32: 2018-11-27

33: ZA 31: 2017/05242 32: 2017-11-27

54: PERMANENT FORMWORK AND SUPPORT SYSTEM

00: -

Disclosed is a dimensionally adjustable self-supporting permanent formwork and support system, which comprises a formwork section with integral support means for the formwork section, with the formwork section comprising a plurality of formwork units (100) each of which comprises an elongate open-ended trough (101) having at least one operatively upper edge from which a flat section (102) extends, and with the formwork section, upon being provided with an upstanding perimeter rim, being locatable between end-supports to substantially close the open-ended troughs and support the formwork, and enable the formwork sections to be filled with a filler material to set in the formwork units and around the reinforcing members.



21: 2020/06380. 22: 2020/10/14. 43: 2024/06/20
51: G06F; G06Q

71: nChain Holdings Limited

72: KRAMER, Dean, SEWELL, Martin, AMMAR, Bassem

33: GB 31: 1806907.0 32: 2018-04-27

33: GB 31: 1806911.2 32: 2018-04-27

33: GB 31: 1806930.2 32: 2018-04-27
 33: GB 31: 1806914.6 32: 2018-04-27
 33: GB 31: 1806909.6 32: 2018-04-27

54: PARTITIONING A BLOCKCHAIN NETWORK

00: -

A computer-implemented method of validating a blockchain transaction is disclosed. The method comprises requesting at least one UTXO referenced by at least one respective input of the transaction from a member node of at least one shard comprising at least one UTXO, obtaining validity data of at least one UTXO from at least one node, and performing a validation check on at least one input using the validity data.

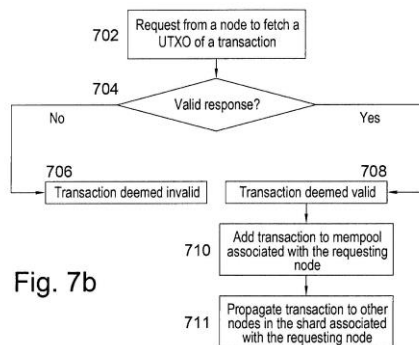
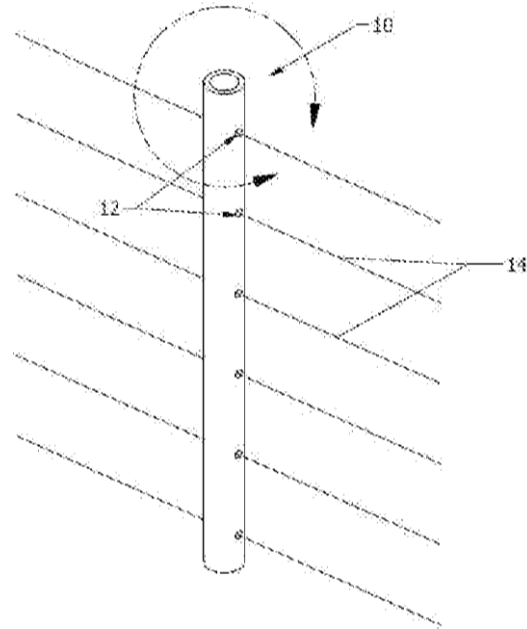


Fig. 7b



21: 2020/06893. 22: 2020/11/04. 43: 2024/07/31
 51: C08K; H01B
 71: NEXT GENERATION POLYMERICS (PTY) LTD
 72: PRETORIUS, David, Johannes, VERMEULEN, Petrus, Johannes, TAYLOR, Wayne, George
 33: ZA 31: 2018/02244 32: 2018-04-06
 33: ZA 31: 2018/07108 32: 2018-10-25

54: ELECTRIC FENCING COMPONENTS

00: -

The invention provides components for an electric fence. The components are made of a composite material including a derivative or a combination of minerals and a polymeric material.

21: 2020/07406. 22: 2020/11/27. 43: 2024/05/24
 51: C12N

71: ESTEVE PHARMACEUTICALS, S.A., UNIVERSITAT AUTÓNOMA DE BARCELONA
 72: BOSCH TUBERT, María Fátima, SANCHEZ CLARES, Víctor, RIBERA SANCHEZ, Albert, c/ Ali Bei 29, 4^o, 2^a
 33: EP 31: 18382373.1 32: 2018-05-30

54: ADENOASSOCIATED VIRUS VECTORS FOR THE TREATMENT OF MUCOPOLYSACCHARIDOSES TYPE IV A

00: -

The present invention provides new polynucleotide sequences, adeno-associated virus-derived vectors and pharmaceutical compositions containing the same for the treatment of lysosomal storage disorders and specially, for the treatment of mucopolysaccharidosis type IVA or Morquio A syndrome.

21: 2020/07508. 22: 2020/12/02. 43: 2024/07/18
 51: C09J; G09F

71: UPM RAFLATAC OY
 72: SAXBERG, Tom
 33: FI 31: 20185530 32: 2018-06-08

54: A WASH-OFF LABEL

00: -

The invention relates to a wash-off label. According to an embodiment, the face film of the wash-off label comprises biaxially oriented plastic film and configured to shrink asymmetrically so that a

difference between the shrinkage of the film in machine direction and in transverse direction is at least 55%, when exposed to washing liquid comprising caustic soda and having temperature in the range of 65-85 °C for equal or less than 5 minutes. The invention further relates to a use of the wash-off label and to a labelled article.

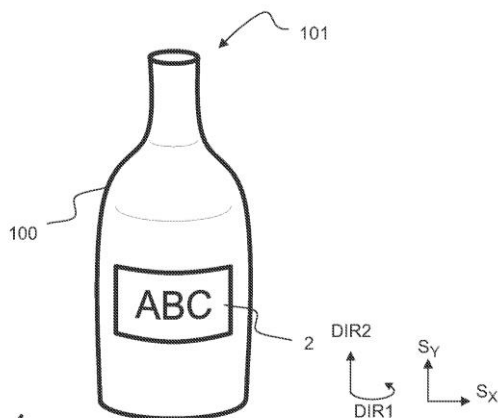


Fig. 4

21: 2020/07679. 22: 2020/12/09. 43: 2024/07/23

51: A61K; A61P

71: HUA MEDICINE (SHANGHAI) LTD.

72: CHEN, Li, LI, Yongguo, WANG, Gaosen, GAO, Huisheng

33: CN 31: 201810556685.6 32: 2018-05-31

54: PHARMACEUTICAL COMBINATION, COMPOSITION, AND COMBINATION FORMULATION COMPRISING GLUCOKINASE ACTIVATOR AND SGLT-2 INHIBITOR AND PREPARATION METHODS AND USES THEREOF

00: -

The present invention relates to a pharmaceutical combination, comprising a glucokinase activator or a pharmaceutically acceptable salt, an isotope labeled compound, crystalline form, hydrate, solvate, diastereomer, or enantiomer thereof and SGLT-2 inhibitor. The present invention further relates to a pharmaceutical composition, a fixed dose combination formulation, and preparation methods and uses thereof.

21: 2020/07950. 22: 2020/12/18. 43: 2024/05/30

51: A47J

71: Société des Produits Nestlé S.A.

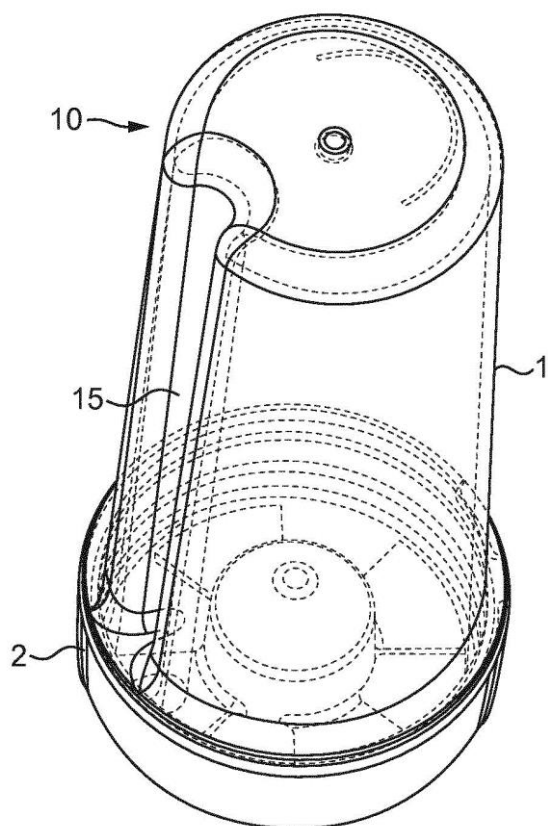
72: MOREND, Joël, YANG, Lin

33: EP(CH) 31: 18174477.2 32: 2018-05-28

54: DISPENSER OF BULK MATERIAL

00: -

The invention concerns A container (10) for storing, metering and dispensing bulk material, the container comprising : - a tank (1) to store the bulk material, said tank comprising a close top end and an opened bottom end, and said tank presenting an essentially cylindrical shape, - a dispensing closure (2) to dispense the bulk material from the opened bottom end of the tank, said dispensing closure comprising :. an inner rotatable member (22) with at least one aperture (221), said inner rotatable member being rotatable around a longitudinal central axis (XX) and said inner rotatable member comprising central connecting means (223) designed to removably engage with a rotating shaft extending along the central axis (XX),. an outer fixed member (21) with a central aperture (213) and at least one outlet aperture (211) therein, wherein the inner rotatable member (22) is configured for being selectively rotatable with respect to the outer fixed member (21) such that at least in one rotational position of the inner member, the at least one aperture (221) of the inner member overlaps with the at least one outlet aperture (211) of the outer fixed member for enabling the dispensing of the bulk material from the container, wherein the tank comprises at least one longitudinal straight rib (15) projecting inside the internal volume of the tank.



21: 2021/00221. 22: 2021/01/13. 43: 2024/07/19
51: A61K; C07D; A61P

71: CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.

72: LUO Yunfu, PAN Jianfeng, ZHANG Guoli, SU Sheng, WANG Yong, CHEN Shuhui

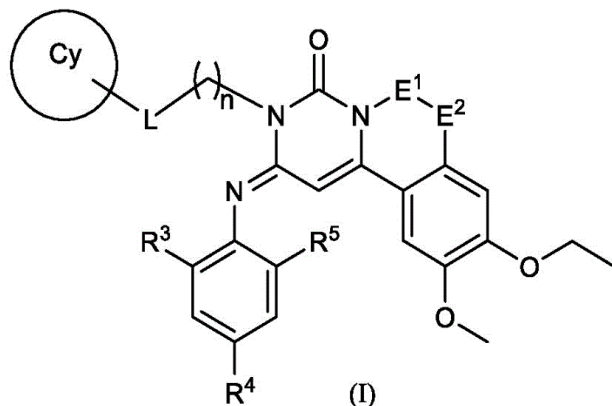
33: CN 31: 201810772374.3 32: 2018-07-13

54: FUSED TRI-CYCLIC COMPOUND AS PDE3/PDE4 DUAL INHIBITOR

00: -

Provided is a fused tri-cyclic compound as PDE3/PDE4 dual inhibitor, and a use thereof in the preparation of drugs for PDE3/PDE4 associated diseases, particularly in medicinal functions such as chronic obstructive pulmonary disease (COPD).

Provided are specifically a compound of formula (I) and a pharmaceutically acceptable salt thereof.



21: 2021/00375. 22: 2021/01/19. 43: 2024/07/19

51: A61K

71: SELO MEDICAL GMBH

72: FUCHS, Norbert

33: EP 31: 18191289.0 32: 2018-08-28

54: THERAPY OF HIGH-RISK HUMAN PAPILLOMAVIRUS INFECTIONS

00: -

The present invention provides a pharmaceutical composition containing a selenite-containing compound and a pharmaceutically acceptable acid, selected from citric acid, acetic acid, malic acid, carbonic acid, sulfuric acid, nitric acid, hydrochloric acid, fruit acids and mixtures thereof. This composition is for use in the prevention or treatment of an infection of an internal reproductive organ of a female patient with at least one human papillomavirus (HPV) selected from HPV16, HPV18, HPV31, HPV33 and HPV58. The composition is applied intravaginally.

21: 2021/00551. 22: 2021/01/26. 43: 2024/05/28

51: B22F; B29C; B33Y; G02B; G02F; H01S

71: CSIR

72: STRAUSS, Hencharl, NAIDOO, Darryl

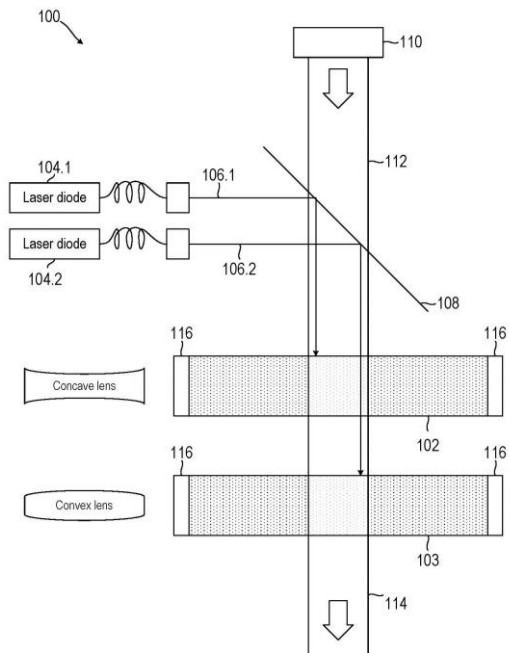
33: ZA 31: 2018/04309 32: 2018-06-27

54: THERMO OPTICAL CONTROL OF FOCUS POSITION OF AN ENERGY BEAM IN AN ADDITIVE MANUFACTURING APPARATUS

00: -

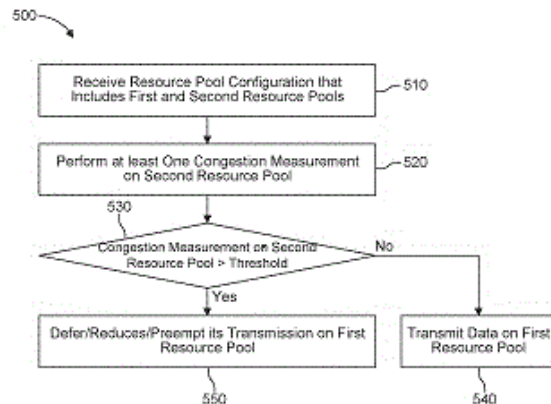
A control system for thermo optical control of focus position of an energy beam in an additive manufacturing apparatus has a first doped medium and a second doped medium, each of which is optically transparent and doped with a dopant. The first doped medium has a positive thermo-optical coefficient (dn/dT) and the second doped medium

has a negative thermo-optical coefficient (dn/dT) and is in series with the first doped medium. An energy beam input or coupling is configured to generate or receive an energy beam that is required to be controlled, the energy beam being within a first wavelength range and directed towards the first and second doped mediums. An absorbed beam input or coupling is configured to generate or receive at least one absorbed beam in a second wavelength range which is different from the first wavelength range, the absorbed beam being directed towards the first and second doped mediums. The first and second doped mediums have a higher beam absorption characteristic in the second wavelength range than in the first wavelength range, causing the absorbed beam to have a higher absorption than the energy beam in the first and second doped mediums and the first and second doped mediums each have a coating which allows transmission at both the first and the second wavelength ranges.



54: METHODS AND APPARATUSES FOR AUTONOMOUS RESOURCE SELECTION IN NEW RADIO VEHICLE TO EVERYTHING (NR V2X)

00: - Methods and apparatuses are described herein for sidelink communication in a wireless transmit/receive unit (WTRU). For example, a first WTRU configured with first and second resource pools may perform at least one congestion measurement of the second resource pool. The first resource pool may be configured for use by the first WTRU for transmission of the first data. The second resource pool may be configured for use by a second WTRU for transmission of the second data associated with a higher priority than the first data. If the at least one congestion measurement of the second resource pool is below a predetermined threshold, the first WTRU may transmit the first data using the first resource pool. If the at least one congestion measurement of the second resource pool is above a predetermined threshold, the first US may not transmit the first data using the first resource pool.



21: 2021/00768. 22: 2021/02/03. 43: 2024/06/05
 51: H04W
 71: INTERDIGITAL PATENT HOLDINGS, INC.
 72: FRED A, MARTINO M, HOANG, TUONG DUC,
 DENG, TAO, EL HAMSS, AATA, PELLETIER,
 BENOIT
 33: US 31: 62/735,981 32: 2018-09-25
 33: US 31: 62/715,512 32: 2018-08-07

21: 2021/00870. 22: 2021/02/09. 43: 2024/07/17
 51: A23K
 71: LOCUS IP COMPANY, LLC
 72: FARMER, Sean, ALIBEK, Ken
 33: US 31: 62/738,462 32: 2018-09-28

54: COMPOSITIONS AND METHODS FOR FEEDING DOMESTICATED ANIMALS

00: - The subject invention provides methods and compositions for feeding domesticated animals. In certain embodiments, compositions comprising a microorganism and/or a microbial growth by-product is contacted with an animal's food and/or drinking water. Preferably, the growth by-product is a

biosurfactant. Advantageously, the subject invention can promote good health and well-being in a domesticated animal by, for example, enhancing the animal's immune system, promoting digestive health, providing nutrients to the animal and promoting dental/oral cavity health. Furthermore, the subject invention can be used to prolong the shelf life of pet food and prevent contamination of food from deleterious microorganisms.

21: 2021/00916. 22: 2021/02/10. 43: 2024/06/07

51: A61K; C07K

71: Dragonfly Therapeutics, Inc.

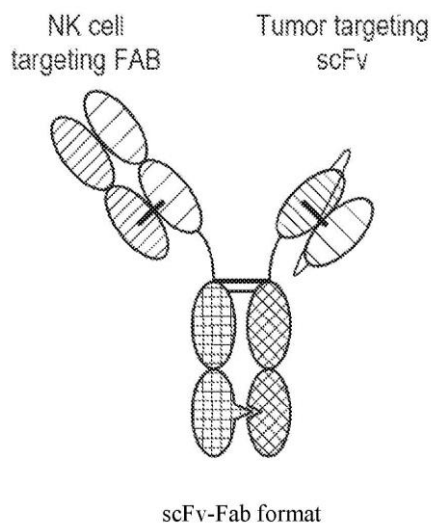
72: CHANG, Gregory P., CHEUNG, Ann F., GRINBERG, Asya, HANEY, William, WAGTMANN, Nicolai, LUNDE, Bradley M., PRINZ, Bianka, WEI, Ronnie, FALLON, Daniel, O'NEIL, Steven

33: US 31: 62/716,259 32: 2018-08-08

54: MULTI-SPECIFIC BINDING PROTEINS THAT BIND HER2, NKG2D, AND CD16, AND METHODS OF USE

00: -

Multi-specific binding proteins that bind to and kill human cancer cells expressing epidermal growth factor receptor 2 (HER2 or ErbB2), but does not kill non-cancerous healthy human cells expressing HER2 are described, as well as pharmaceutical compositions and therapeutic methods useful for the treatment of HER2 expressing cancer. The invention also relates to multi-specific binding proteins that trigger CD8+ T cell killing of tumor cells.



21: 2021/01109. 22: 2021/02/18. 43: 2024/07/17

51: A01C

71: PRECISION PLANTING LLC

72: KOCH, Dale, STRNAD, Michael, KATER, Timothy

33: US 31: 62/728,740 32: 2018-09-07

33: US 31: 62/760,925 32: 2018-11-14

33: US 31: 62/771,572 32: 2018-11-26

33: US 31: 62/791,007 32: 2019-01-10

54: REVERSIBLE SEED TRENCH APPURTENANCE ASSEMBLY

00: -

A reversible seed trench appurtenance for a row unit of an agricultural planter. The seed trench appurtenance includes an upper portion and a trailing portion. The upper portion is received within a mounting bracket attached to the row unit of the planter. The seed trench appurtenance is movable between a normal operating position in which the trailing portion extends into the seed trench. When the row unit is reversed in a direction opposite the forward direction of travel, the seed trench appurtenance moves from the normal operating position to a reversing position in which the trailing portion is vertically above the normal operating position thereby avoiding damage to the seed trench appurtenance and the mounting bracket.

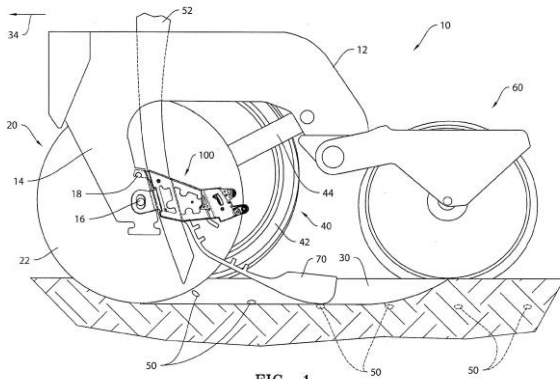
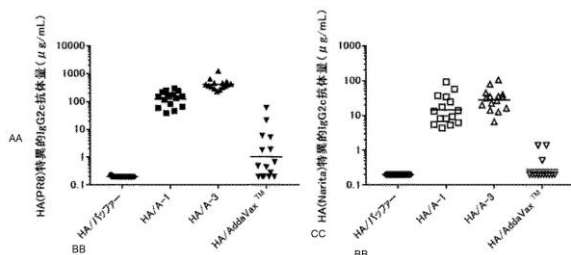


FIG. 1
(Prior Art)

21: 2021/01173. 22: 2021/02/22. 43: 2024/06/21
51: A61K; A61P
71: JAPAN as represented by DIRECTOR GENERAL of National Institute of Infectious Diseases, Sumitomo Pharma Co., Ltd.
72: TAKAHASHI, Yoshimasa, ADACHI, Yu, ATO, Manabu, FUKUSHIMA, Akihisa
33: JP 31: 2018-138001 32: 2018-07-23
54: COMPOSITION CONTAINING INFLUENZA VACCINE

00: -
The present invention provides a composition containing a universal influenza vaccine antigen and a vaccine adjuvant.

[圖17]



AA Amount of HA (PR8)-specific IgG2c antibody
BB HA/Buffer
CC Amount of HA (Narita)-specific IgG2c antibody

21: 2021/01324. 22: 2021/02/26. 43: 2024/07/17
51: A61K; C12N
71: ZHEJIANG DIFFERENCE BIOLOGICAL TECHNOLOGY CO., LTD
72: SONG, Jiasheng, Fei YU, Shuihua MAO, Mengyun ZHOU
33: CN 31: 202010542477.8 32: 2020-06-15
54: RECOMBINANT NEWCASTLE DISEASE VIRUS-VECTORED NOVEL CORONAVIRUS VACCINE CANDIDATE STRAIN, CONSTRUCTION METHOD AND APPLICATION THEREOF

00: -
The present disclosure pertains to a recombinant Newcastle disease virus-vectored novel coronavirus vaccine candidate strain, a construction method and an application thereof, which belongs to the technical field of genetic engineering vaccines. The vaccine candidate strain of the present disclosure uses a Newcastle disease virus strain LaSota as a vector, and a mutated (C3756T, with the BamHI site removed) novel coronavirus S gene is inserted between P gene and M gene of the Newcastle disease virus strain LaSota; the nucleotide sequence of the mutated novel coronavirus S gene is as shown in SEQ ID NO.1. The present disclosure provides a recombinant Newcastle disease virus-vectored novel coronavirus vaccine candidate strain which is safe and effective, has a low production cost and can be inoculated intranasally to stimulate the body to develop mucosal immunity, thus having important application values and prominent significance of public health security.

21: 2021/01449. 22: 2021/03/03. 43: 2024/07/03
51: A61K; C07D; A61P
71: NAVIRE PHARMA, INC.
72: JONES, Philip, CZAKO, Barbara, CARROLL, Christopher L., MANDAL, Pijus, CROSS, Jason
33: US 31: 62/717,588 32: 2018-08-10
33: US 31: 62/773,921 32: 2018-11-30
54: 6-(4-AMINO-3-METHYL-2-OXA-8-AZASPIRO[4.5]DECAN-8-YL)-3-(2,3-DICHLOROPHENYL)-2-METHYLPYRIMIDIN-4(3H)-ONE DERIVATIVES AND RELATED COMPOUNDS AS PTPN11 (SHP2) INHIBITORS FOR TREATING CANCER

00: -
The present invention relates to 6-(4-amino-3-methyl-2-oxa-8-azaspiro[4.5]decan-8-yl)-3-(2,3-dichlorophenyl)-2-methylpyrimidin-4(3H)-one derivatives and related compounds which are useful as inhibitors of PTPN11 (SHP2) for the treatment or prevention of cancer and other PTP-mediated diseases. A preferred compound is e.g. 6-((3S,4S)-4-amino-3-methyl-2-oxa-8-azaspiro[4.5]decan-8-yl)-3-(Ra)-(2,3-dichloro-4-((1-methyl-1H-pyrazol-3-yl)oxy)phenyl)-2,5-dimethylpyrimidin-4(3H)-one (example18b) with a IC50 of 3 nM in a PTPN11-E76K mutant enzyme inhibition assay.

21: 2021/01451. 22: 2021/03/03. 43: 2024/07/08
51: H04L

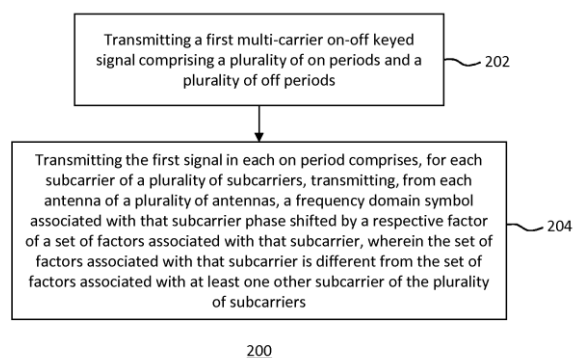
71: TELEFONAKTIEBOLAGET LM ERICSSON
(PUBL)

72: LOPEZ, Miguel, SUNDMAN, Dennis,
WILHELMSSON, Leif

54: TRANSMITTING SIGNALS

00: -

In one example aspect, a method of transmitting signals is provided. The method comprises transmitting a first multi-carrier on-off keyed signal comprising a plurality of on periods and a plurality of off periods. Transmitting the first signal in each on period comprises, for each subcarrier of a plurality of subcarriers, transmitting, from each antenna of a plurality of antennas, a frequency domain symbol associated with that subcarrier phase shifted by a respective factor of a set of factors associated with that subcarrier, wherein the set of factors associated with that subcarrier is different from the set of factors associated with at least one other subcarrier of the plurality of subcarriers.



21: 2021/01476. 22: 2021/03/03. 43: 2024/07/17
51: C12N

71: CEPHEID

72: BARAZNENOK, Vera, KUTYAVIN, Alex, I.,
NANASSY, Oliver, Z., SERGUEEV, Dmitri, GALL,
Alexander, A.

33: US 31: 62/765,013 32: 2018-08-17

54: METHODS AND COMPOSITIONS FOR NUCLEIC ACID ISOLATION

00: -

Methods and compositions for isolation of nucleic acids from biological samples are provided.

21: 2021/01477. 22: 2021/03/03. 43: 2024/07/17
51: C12N

71: CEPHEID

72: KUTYAVIN, Alex, I., NANASSY, Oliver, Z.,
SERGUEEV, Dmitri, GALL, Alexander, A.

33: US 31: 62/765,149 32: 2018-08-17

54: NUCLEIC ACID ISOLATION AND RELATED METHODS

00: -

Solid supports modified with pectins derivatives are provided. The solid supports are useful in nucleic acid isolation, separation, and detection methods

21: 2021/01478. 22: 2021/03/03. 43: 2024/07/17
51: A01N; A61L; C08L; C11D

71: CEPHEID

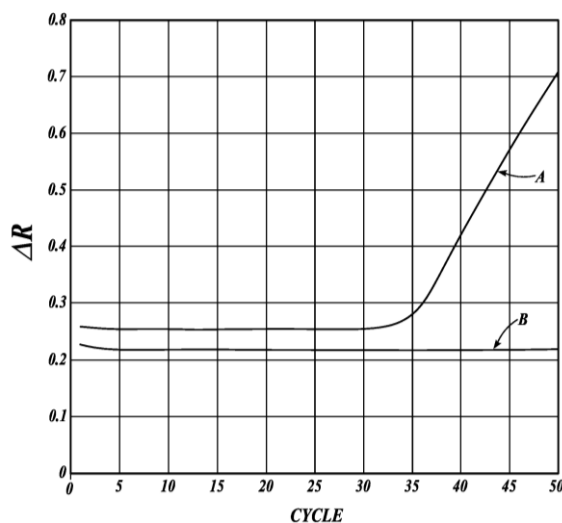
72: KUTYAVIN, Alex I., LUND, Kevin P., NANASSY,
Oliver Z., GALL, Alexander A., BRABANT, William

33: US 31: 62/765,014 32: 2018-08-17

54: NUCLEIC ACID DECONTAMINATION METHODS

00: -

Methods and cleaning compositions for reduction of nucleic acid contamination on surfaces, in air, and in solutions using modified pectin are provided.



21: 2021/01549. 22: 2021/03/08. 43: 2024/07/03
51: A61K; G01N

71: TREOS BIO LIMITED

72: LISZEWICZ, Julianna, MOLNAR, Levente,
TOKE, Eniko, TOTH, József, LORINCZ, Orsolya,
CSISZOVSZKI, Zsolt, SOMOGYI, Eszter, PANTYA,
Katalin, PÁLES, Péter, MIKLÓS, István, MEGYESI,
Mónika

33: GB 31: 1814361.0 32: 2018-09-04

54: IMMUNOGENETIC CANCER SCREENING TEST

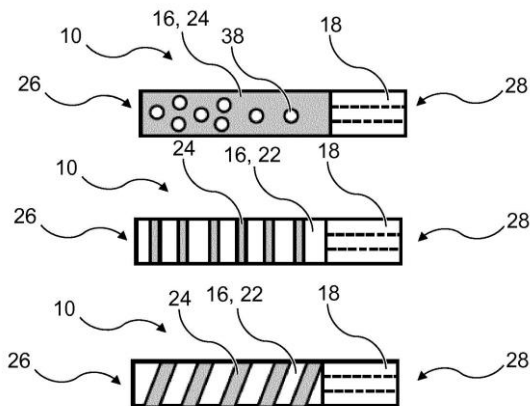
00: -

The disclosure relates to a method for determining the risk that a human subject will develop a cancer, the method comprising quantifying the HLA triplets (HEAT) of the subject that are capable of binding to T cell epitopes in the amino acid sequence of tumor associated antigens. The disclosure also relates to methods of treating subjects who are determined to have an elevated risk of developing cancer.

21: 2021/01585. 22: 2021/03/09. 43: 2024/07/18
 51: A24D
 71: PHILIP MORRIS PRODUCTS S.A.
 72: JORDIL, Yves, LAVANCHY, Frédéric
 33: EP 31: 18210864.7 32: 2018-12-06

54: AEROSOL-GENERATING ARTICLE WITH LAMINATED WRAPPER

00: -
 The invention relates to an aerosol-generating article comprising aerosol-forming substrate and a laminated wrapper. The aerosol-forming substrate comprises plant material cut filler, and wherein the plant material cut filler comprises at least 25 percent of plant lamina per weight of the total plant material and wherein the aerosol-forming substrate further comprises between about 6 percent and about 20 percent of an aerosol-former. The laminated wrapper is at least partly wrapped around the aerosol-forming substrate. The laminated wrapper comprises a heat conductive layer and a heat insulating layer. The heat conductive layer and the heat insulating layer overlap along an axial direction of the aerosol-generating article.



21: 2021/01663. 22: 2021/03/11. 43: 2024/07/03
 51: A61K; C08B
 71: BIOLOGICAL E LIMITED

72: BURKI, Rajendar, KANDIMALLA, Vivek Babu, SRIRAMAN, Rajan, MATUR, Ramesh Venkat, MANTENA, Narender Dev, DATLA, Mahima, SANGAREDDY, Veerapandu

33: IN 31: 201841031653 32: 2018-09-23
 33: IN 31: 201841031654 32: 2018-09-23

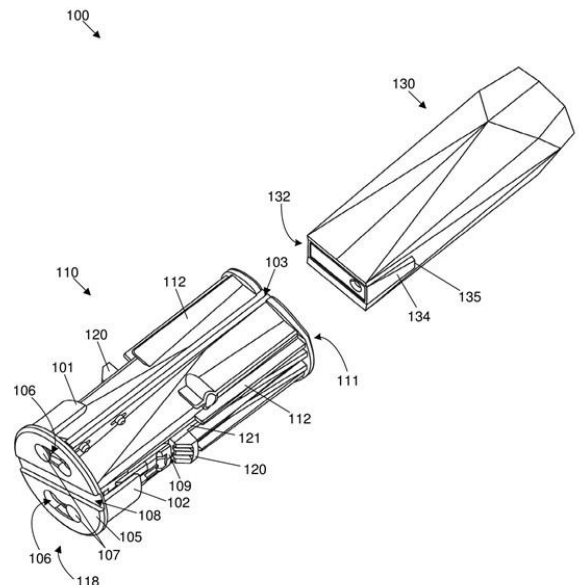
54: PURIFIED CAPSULAR POLYSACCHARIDES OF STREPTOCOCCUS PNEUMONIAE

00: -
 The invention relates to capsular polysaccharides of Streptococcus pneumoniae. More specifically, the present invention relates to sized and purified capsular polysaccharides of *Streptococcus pneumoniae* serotypes 2, 15A, 15C & 35B and process for their preparation.

21: 2021/01845. 22: 2021/03/18. 43: 2024/07/03
 51: B65D; G06K
 71: MEIRING, Peter Alexander
 72: MEIRING, Peter Alexander
 33: ZA 31: 2018/05723 32: 2018-08-28

54: A HOUSING UNIT FOR A LOAD CARRIER

00: -
 A housing unit is provided having a sleeve defining a chamber and a capsule that is arranged to house an electronic device in the capsule. The capsule is shaped and configured to be received in the chamber. The sleeve and capsule have cooperating securing formations that are arranged to enable the capsule to be releasably secured within the chamber. The sleeve is shaped and configured to enable it to fit into a cavity in a load carrier.

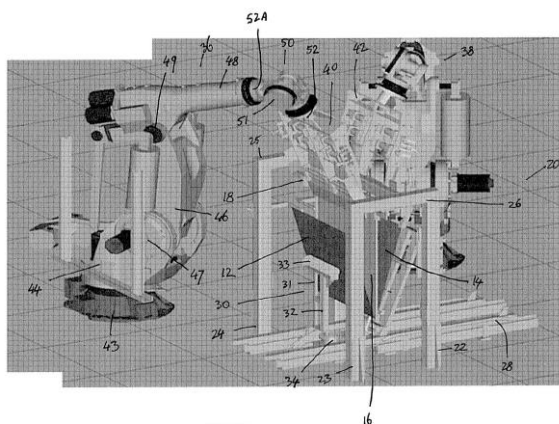


21: 2021/01884. 22: 2021/03/19. 43: 2024/06/20
 51: C25C; C25D
 71: Glencore Technology Pty Limited, MESCO Inc.
 72: ERIKSSON, Per Ola, KIMLIN, Noel Douglas,
 KIMURA, Naofumi
 33: AU 31: 2018903066 32: 2018-08-21

54: STRIPPING OF METAL FROM CATHODES

00: -

An apparatus for stripping metal (12, 14) deposited on a cathode plate (16), comprises a first robotic arm (46) carrying a first stripping apparatus (40), the first stripping apparatus having a first gripping apparatus (62, 63) to grip the cathode plate such that the first robotic arm operates to lift the cathode plate out of the stripping station following stripping of the metal sheets from the cathode plate. A second robotic arm (48) carrying a second stripping apparatus (42) is located on a second side of the cathode plate, the second stripping apparatus having a second gripping apparatus (76, 77) for gripping one or both of the first sheet of metal (12) and the second sheet of metal (14). The second robotic arm can be operated to move the first sheet of metal and the second sheet of metal to a metal storage region following stripping from the cathode plate (16). The metal is stripped from the cathode plate without breaking the bridge of metal that interconnects the first sheet of metal and the second sheet of metal.

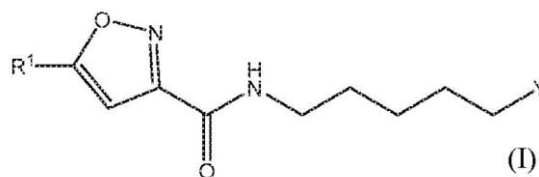


21: 2021/01957. 22: 2021/03/24. 43: 2024/07/18
 51: A61K; C07D; A61P
 71: NOVARTIS AG
 72: BECKWITH, Rohan, Eric, John, JIANG, Hua,
 WANG, Ce
 33: CN 31: PCT/CN2018/106939 32: 2018-09-21

54: ISOXAZOLE CARBOXAMIDE COMPOUNDS AND USES THEREOF

00: -

A compound of Formula (I) or or a pharmaceutically acceptable salt thereof, is provided that has been shown to be useful for treating hearing loss or balance disorder: Formula (I) wherein R1 and Y are as defined herein.



21: 2021/02076. 22: 2021/03/26. 43: 2024/07/03
 51: A62D

71: FIREXO COTM LIMITED

72: BREITH, David

33: GB 31: 1817185.0 32: 2018-10-22

54: FIRE EXTINGUISHING COMPOSITION

00: -

A fire extinguishing composition is described. The fire extinguishing composition comprises water in an amount of $\leq 75.0\%$ by weight; a fire extinguishing salt in an amount of $\geq 15.0\%$ by weight; and a film forming agent. Uses of the fire extinguishing composition and a fire extinguisher comprising the fire extinguishing composition are also described.

21: 2021/02234. 22: 2021/04/01. 43: 2024/06/19
 51: A61K; A61P

71: RENAPHARMA AB

72: HIDER, ROBERT, GEISSER (DECEASED), PETER

33: EP 31: 18192831.8 32: 2018-09-05

54: AN IRON CONTAINING COMPOSITION AND USE THEREOF

00: -

A composition comprising an iron salt of a C8 to C24 fatty acid, a citric acid ester of mono- and/or diglyceride or a mixture of citric acid esters of mono- and/or diglyceride and optionally a fatty acid or a mixture of fatty acids, and a method for preparing such a composition. The composition is useful as a medicament for the treatment and prophylaxis of iron deficiency, as a dietary supplement, and as a food additive.

21: 2021/02238. 22: 2021/04/01. 43: 2024/06/21
 51: C12N; A61K; A61P

71: THE UNIVERSITY OF BRITISH COLUMBIA

72: KULKARNI, JAYESH, HILL, AUSTIN, CULLIS, PIETER, LEAVITT, BLAIR, PETKAU, TERRI, WAGNER, PAMELA

33: US 31: 62/743,116 32: 2018-10-09

54: COMPOSITIONS AND SYSTEMS COMPRISING TRANSFECTION-COMPETENT VESICLES FREE OF ORGANIC-SOLVENTS AND DETERGENTS AND METHODS RELATED THERETO

00: -

Lipid-based vesicles, typically herein called transfection competent vesicles (TCVs), configured to safely and efficiently deliver DNA, RNA, other nucleic acid and protein cargoes into target cells. The safety and efficiency are each, and both, achieved in part by eliminating organic solvents such as ethanol and detergents such as sodium dodecyl sulfate from the TCV loading processes (i.e., inserting a cargo into the TCV), TCV storage processes, and/or TCV delivery processes. The cargoes can also comprise nucleic acids complexed with a protein, such as a ribonucleoprotein (RNP). The systems, compositions, devices and methods, etc., herein, in some embodiments, can provide empty TCVs that can if desired be loaded at the bench without use of specialized equipment.

21: 2021/02325. 22: 2021/04/08. 43: 2024/06/24

51: B02C

71: METSO OUTOTEC USA INC.

72: KNORR, BRIAN

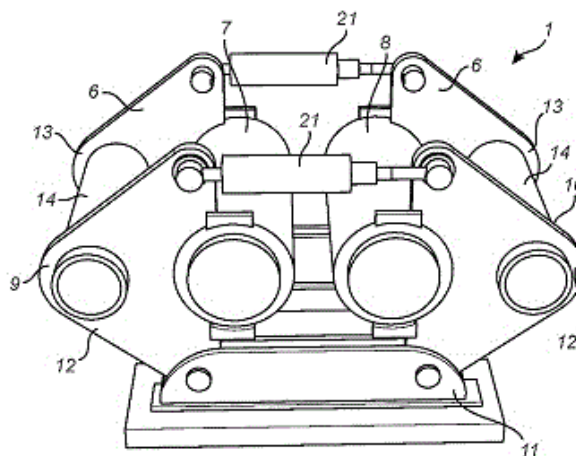
33: US 31: 16/148,500 32: 2018-10-01

54: STARTUP SEQUENCE FOR ROLLER CRUSHER

00: -

System and method for controlling the startup sequence of a roller crusher is disclosed. The roller crusher includes two generally parallel rollers that are separated by a gap where the rollers rotate in an opposite direction. During startup, the gap between the rollers is greater than the gap during normal production and a feeding arrangement is run at a speed that is lower than a normal production feed rate. The rollers are rotated at a predetermined speed that is less than the speed during normal production. Other parameters of the system are set such that material is fed over the entire length of the rollers and the no crushing force is exerted during the startup. The method and system of the present

disclosure reduces the amount of stress on the rolls, frame and hydraulic system of the roller crusher.



21: 2021/02339. 22: 2021/04/09. 43: 2024/06/21

51: A01G

71: SPAMER, Hendrik Jacobus Venter

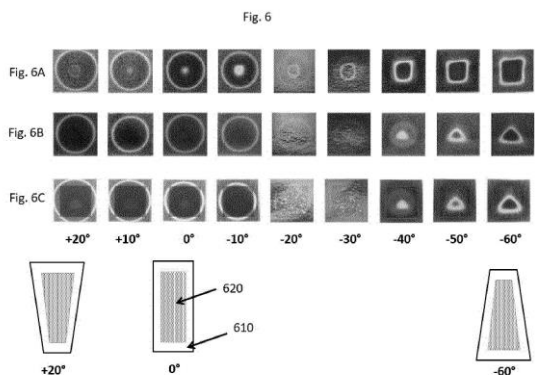
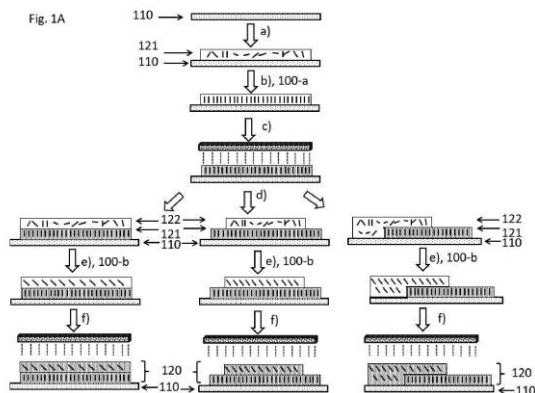
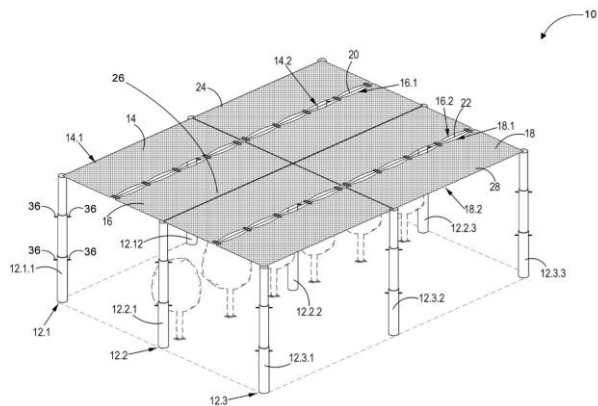
72: SPAMER, Hendrik Jacobus Venter

33: ZA 31: 2020/00923 32: 2020-02-13

54: HAIL NETTING

00: -

The invention is for a hail net installation, which includes upright supports for supporting hail nets at an elevated level, of which the supports include support lines running along at least two parallel rows of support poles, at least one hail net mounted onto the upright supports for retaining the hail net at the elevated level, of which a first side is attached to a first support line, the hail net extending towards an adjacent support line and a failure mechanism by means of which the at least one hail net is mounted onto the upright supports, the failure mechanism arranged to release the at least one hail net from the upright supports when the at least one hail net is subjected to a predefined load. The failure mechanism may include a hoisting mechanism, biasing means or support poles constructed from telescopic section fittings.

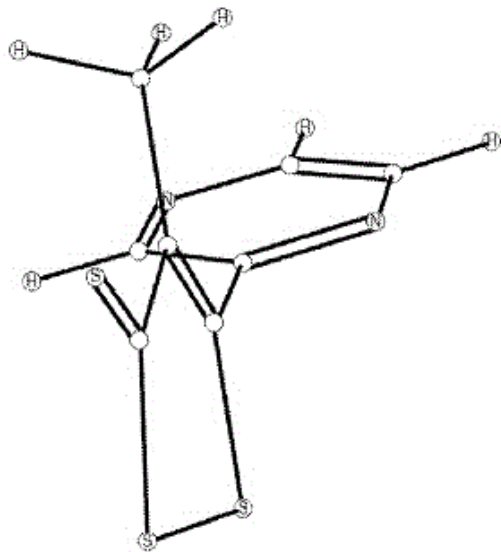


21: 2021/02347. 22: 2021/04/09. 43: 2024/06/21
 51: B05D; B41M; B42D; C09D
 71: SICPA HOLDING SA
 72: BENNINGER, Nathalie, LOGINOV, Evgeny,
 DESPLAND, Claude-Alain, BAUDIN, Gisèle
 33: EP(CH) 31: 18193402.7 32: 2018-09-10
**54: PROCESSES FOR PRODUCING OPTICAL
 EFFECT LAYERS COMPRISING ORIENTED NON-
 SPHERICAL MAGNETIC OR MAGNETIZABLE
 PIGMENT PARTICLES**

00: -
 The present invention relates to the field of magnetic assemblies and processes for producing optical effect layers (OEL) comprising magnetically oriented non-spherical magnetic or magnetizable pigment particles on a substrate. In particular, the present invention relates magnetic assemblies and processes for producing said OELs as anti-counterfeit means on security documents or security articles or for decorative purposes.

21: 2021/02412. 22: 2021/04/13. 43: 2024/06/21
 51: C07D; A61P; A61K
 71: ST IP HOLDING AG
 72: FRAMROZE, BOMI
 33: US 31: 62/732,867 32: 2018-09-18
**54: ROTOMERIC ISOMERS OF 4-ALKYL-5-
 HETEROARYL-3H-1,2- DITHIOLE-3-THIONES**
 00: -

This disclosure provides, among other things, rotomeric isomers of 4-alkyl-5-heteroaryl-3H-1,2-dithiole-3-thiones, complexes of such isomers in which an individual rotomeric form is obtained by stabilization, and compositions comprising an excess of an individual rotomer (a rotomeric excess) as a stabilized complex. The disclosure also relates to methods of making and using: such rotomers and complexes, including methods of treating a human or animal patient with such rotomers or complexes thereof, e.g., to prevent, treat or reduce the symptoms of various disorders such as mucositis, and/or provide protection against oxidative damage in various organs and tissues for a medical purpose.



21: 2021/02416. 22: 2021/04/13. 43: 2024/06/21
 51: A47G; B65D; C08L; C09D
 71: DANIMER IPCO, LLC
 72: VAN TRUMP, PHIL, MOORE, JOHN, GRUBBS, III, JOE B., BROOKS, KARSON
 33: US 31: 62/745,500 32: 2018-10-15

54: BIOPOLYMER COATED FIBER FOOD SERVICE ITEMS

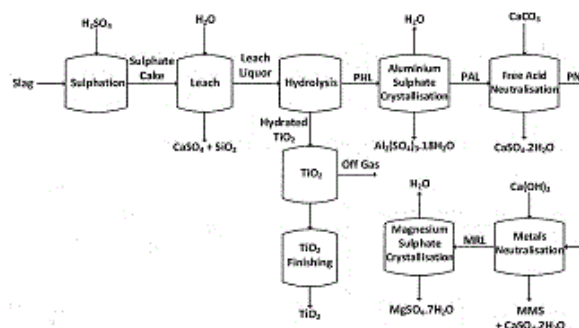
00: -
 A biodegradable food service item is disclosed, which includes a biodegradable substrate having at least one food contact surface. This substrate is made of cellulosic fibers. The food service item also includes a coating applied over the at least one food contact surface. This coating is made up of from about 25 to about 60 weight percent of at least one biodegradable polymer, such as polyhydroxyalkanoates. A method for making the biodegradable food service item is also disclosed.

21: 2021/02491. 22: 2021/04/15. 43: 2024/06/21
 51: C22B; C01G
 71: AVERTANA LIMITED
 72: MCNICOLL, CAMPBELL STUART, ALI, MOHAMMED SHEREEZ, HERROLD, JASON TREVOR, HASSELL, DAVID JONATHAN
 33: NZ 31: 749209 32: 2018-12-14

54: METHODS OF EXTRACTION OF PRODUCTS FROM TITANIUM-BEARING MATERIALS

00: -
 The invention relates to processes for the extraction of products from titanium-bearing materials or a composition produced in a process for the

production of titanium dioxide, and more particularly, although not exclusively, extracting titanium dioxide and/or one or more other products from iron making slag.



21: 2021/02604. 22: 2021/04/20. 43: 2024/06/21
 51: A61K; A61P
 71: GALERA LABS, LLC
 72: BEARDSLEY, ROBERT A, KEENE, JEFFERY L, RILEY, DENNIS P
 33: US 31: 62/572,377 32: 2017-10-13
 33: US 31: 62/485,061 32: 2017-04-13

54: COMBINATION CANCER IMMUNOTHERAPY WITH PENTAAZA MACROCYCLIC RING COMPLEX

00: -
 A method of treating a cancer in a mammalian subject afflicted with the cancer, includes administering to the subject an immune checkpoint inhibitor, and administering to the subject a pentaaza macrocyclic ring complex corresponding to the formula (I) below, prior to, concomitantly with, or after administration of the immune checkpoint inhibitor, to increase the response of the cancer to the immune checkpoint inhibitor.

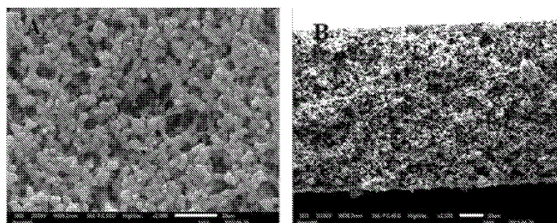
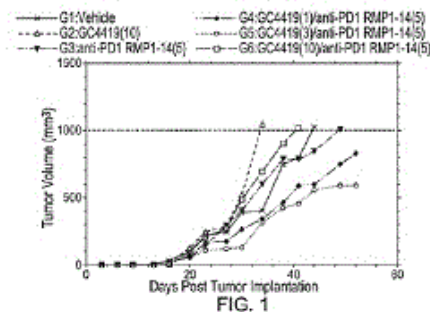
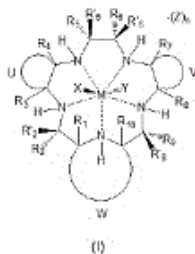


Figure 2 SEM images for the invented membranes, surface (A) and cross section (B)

21: 2021/02816. 22: 2021/04/28. 43: 2024/07/17
 51: A61K
 71: REGENERON PHARMACEUTICALS, INC.
 72: CHEN, Hunter, SCHLESINGER, Erica
 33: US 31: 62/770,337 32: 2018-11-21
54: HIGH CONCENTRATION PROTEIN FORMULATION

00: -
 The present invention pertains to compositions and methods of making high concentration protein formulations of a therapeutic protein.

Suspension Properties

- Solid content
- Vehicle composition
- Colloidal stability

Device (Syringe/Needle) Properties

- Needle gauge
- Dispensing speed
- Needle design

Spray dried powder Properties

- Particle size / distribution
- Formulation (excipients & composition)
- Spray drying process parameters (effecting excipient distribution within particle)

21: 2021/02649. 22: 2021/04/21. 43: 2024/05/28
 51: B01D
 71: UNIVERSITY OF SOUTH AFRICA
 72: MAPUNDA, Edgar, MSAGATI, Titus, MAMBA, Bhekie
 33: ZA 31: 2018/06582 32: 2018-10-04
54: MEMBRANES FOR MEMBRANE DISTILLATION DESALINATION TECHNOLOGY

00: -
 The invention provides a method of producing multi-walled carbon nanotube blended polyvinylidene fluoride (MWCNTs/PVDF) membranes for membrane distillation (MD) treatment of saline water using non-solvent induced phase separation (NIPS), said method including mixing two solvents with different solubility parameters and the use of a dual coagulation bath system to control the formation of membrane pore structures and enhance surface hydrophobicity whereby blended PVDF membranes are produced for application in MD processes.

21: 2021/02846. 22: 2021/04/28. 43: 2024/06/21
 51: A61K; C07D
 71: BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA
 72: GENDELMAN, HOWARD E, EDAGWA, BENSON
 33: US 31: 62/748,798 32: 2018-10-22
54: ANTIVIRAL PRODRUGS AND NANOFORMULATIONS THEREOF

00: -
 The present invention provides prodrugs and methods of use thereof.

21: 2021/02945. 22: 2021/04/30. 43: 2024/06/21
 51: H04L; G06F
 71: MUTUALINK, INC.

72: MAZZARELLA, JOSEPH R

33: US 31: 62/740,020 32: 2018-10-02

54: CONSENSUS-BASED VOTING FOR NETWORK MEMBER IDENTIFICATION EMPLOYING BLOCKCHAIN-BASED IDENTITY SIGNATURE MECHANISMS

00: -

A communication method and a method for operating the communication network are disclosed. The method includes: obtaining a network identifier (NI) for a first member of the communication network, where the first member is un-validated and associated with a first user; obtaining a vote value regarding the first user from a second user of a second member in the communication network, where the second member is validated; generating a trust score for the NI based on the vote value; and validating the first member, in response to the trust score satisfying a trust score threshold, by inserting a first validated member identity hash block (MIHB) based on the NI into a master blockchain ledger for the communication network.

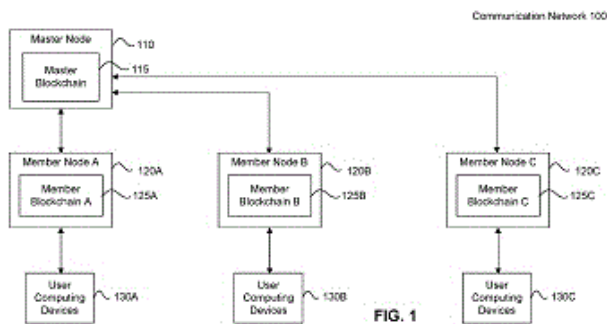


FIG. 1

21: 2021/02986. 22: 2021/05/04. 43: 2024/07/31
 51: A61K; C07K
 71: NOVARTIS AG

72: SIGG, Juergen, DE MOOR, Pamela

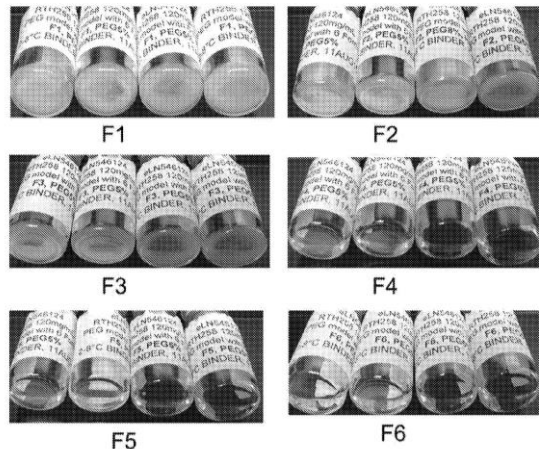
33: US 31: 62/781,003 32: 2018-12-18

54: PROTEIN SOLUTION FORMULATION CONTAINING HIGH CONCENTRATION OF AN ANTI-VEGF ANTIBODY

00: -

The present disclosure provides anti-VEGF antibodies formulated as high concentration, aqueous pharmaceutical compositions, suitable for an injection, preferably an intravitreal injection. The aqueous pharmaceutical compositions are useful for

delivery of a high concentration of the antibody active ingredient to a patient without high levels of antibody aggregation and without a high level of sub-visible particulate matter. An aqueous composition of the disclosure comprises an antibody having a concentration of at least 50 mg/ml. An aqueous pharmaceutical composition of the disclosure includes a sugar, a buffering agent, and a surfactant.



21: 2021/03932. 22: 2021/06/08. 43: 2024/06/04
 51: H04N

71: LG ELECTRONICS INC.

72: KOO, MOONMO, KIM, SEUNGHWAN, LIM, JAEHYUN

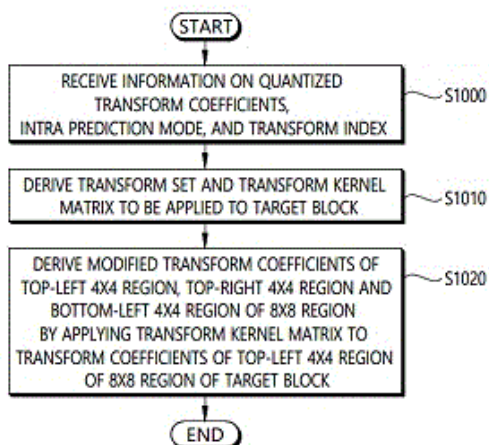
33: US 31: 62/782,294 32: 2018-12-19

54: VIDEO CODING METHOD ON BASIS OF SECONDARY TRANSFORM, AND DEVICE FOR SAME

00: -

A video decoding method according to the present document is characterized by comprising: a step for deriving transform coefficients through inverse quantization on the basis of quantized transform coefficients for a target block; a step for deriving modified transform coefficients on the basis of an inverse reduced secondary transform (RST) of the transform coefficients; and a step for generating a reconstructed picture on the basis of residual samples for the target block on the basis of an inverse primary transform of the modified transform coefficients, wherein the inverse RST using a transform kernel matrix is performed on transform coefficients of the upper-left 4x4 region of an 8x8 region of the target block, and the modified transform coefficients of the upper-left 4x4 region,

upper-right 4x4 region, and lower-left 4x4 region of the 8x8 region are derived through the inverse RST.

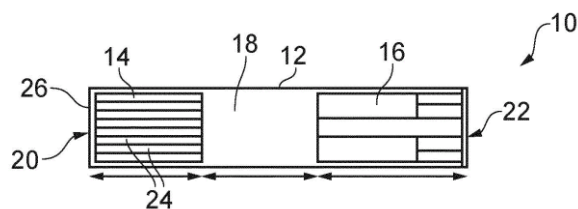


21: 2021/04352. 22: 2021/06/24. 43: 2024/07/31
51: A24D

71: PHILIP MORRIS PRODUCTS S.A.
72: CAPELLI, Sébastien, DAYIOGLU, Onur, EMMETT, Robert, VOLLMER, Jean-Yves
33: EP 31: 19167966.1 32: 2019-04-08

54: AEROSOL-GENERATING SUBSTRATE COMPRISING AN AEROSOL-GENERATING FILM

00: -
An aerosol-generating article (10)(70) comprising a rod of aerosol-generating substrate (14), wherein the rod of aerosol-generating substrate (14) comprises: an aerosol-generating film (24)(76) comprising at least 25 percent by weight of a polyhydric alcohol and at least 10 percent by weight of a cellulose based film-forming agent, wherein the aerosol-generating film (24)(76) is configured such that the exposed surface area of the aerosol-generating film within the aerosol-generating substrate (14) is at least 5 square millimetres per mg of the aerosol-generating film (24)(76). The aerosol-generating film (24)(76) is substantially tobacco-free.



21: 2021/04948. 22: 2021/07/14. 43: 2024/08/12
51: C12N
71: INNOVACELL AG

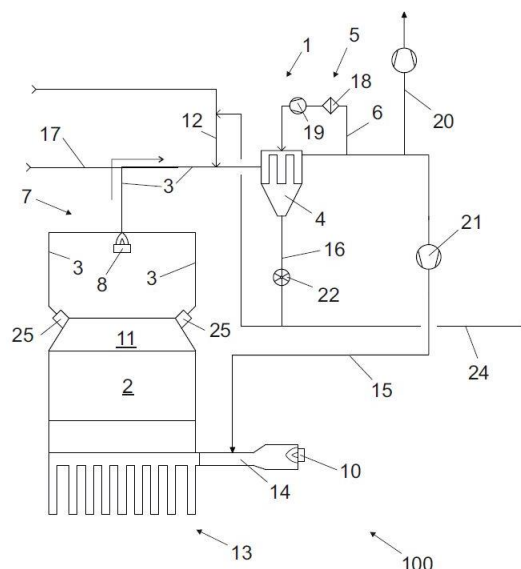
72: Marco THURNER, Rainer MARKSTEINER
33: EP 31: 19164574.6 32: 2019-03-22
54: METHODS FOR OBTAINING INDUCED SMOOTH MUSCLE CELLS

00: -
The present invention relates to methods for obtaining induced smooth muscle cells (iSMCs), iSMCs, iSMCs for use in a method of treating a disease or disorder or for use in tissue engineering, and the use of skeletal muscle derived cells for obtaining iSMCs.

21: 2021/05709. 22: 2021/08/12. 43: 2024/06/24
51: F27B; F27D
71: METSO METALS OY
72: RÄSÄNEN, Niko, PEKKALA, Olli, HAIMI, Timo, LEHTOVIRTA, Jussi

54: PREHEATING KILN SYSTEM

00: -
A preheating kiln system (100), comprising a preheating kiln (2) provided with at least one feeding tube (13) configured to feed preheated feed to a closed smelting furnace (200). The preheating kiln system (100) further comprises an off-gas handling arrangement (1) configured to receive off-gas from the preheating kiln (2) through an off-gas channel (3). The off-gas handling arrangement (1) comprises a gas filter unit (4) and a heating arrangement (7) configured to heat off-gas prior to its feeding in the gas filter unit (4).



21: 2021/06132. 22: 2021/08/25. 43: 2024/06/20
51: G01R

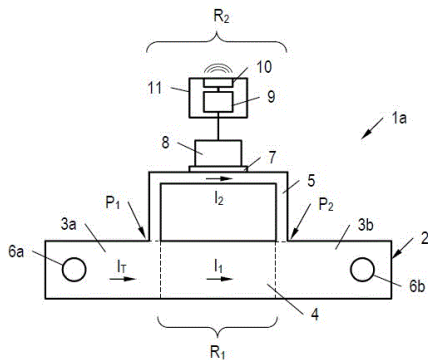
71: Eaton Intelligent Power Limited
 72: GABRIEL, Adam, KRAMER, Jeremy, DRÁBEK, Tomáš

33: GB 31: 2013891.3 32: 2020-09-03

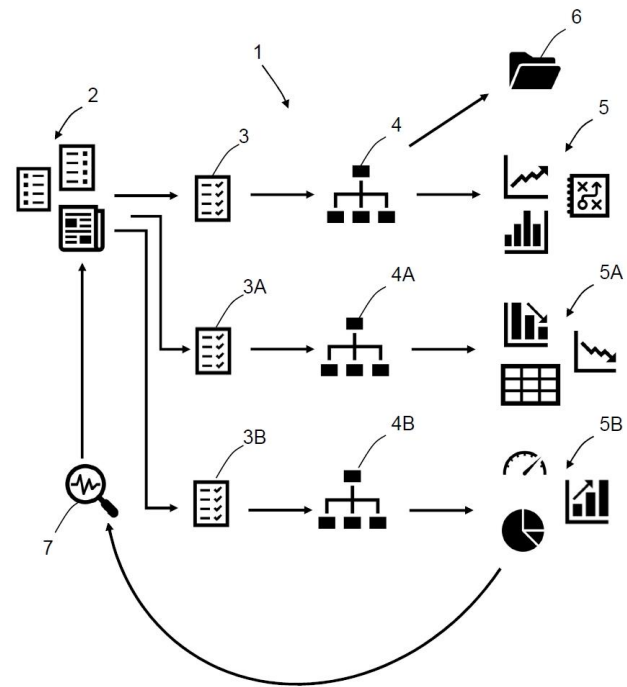
54: ARRANGEMENT AND SWITCHING DEVICE WITH CONTACTLESS CURRENT MEASURING CAPABILITY

00: -

The invention relates to an arrangement (1a..1f), which comprises a first electrical conductor (4) having a first resistance (R_1) and a second electrical conductor (5, 5a, 5b) switched in parallel and having a second, higher resistance (R_2), wherein both the first resistance (R_1) and the second resistance (R_2) are each below 0.1Ω . The arrangement (1a..1f) furthermore comprises a hall sensor (8), which is prepared to measure a current (I_2) through the second electrical conductor (5, 5a, 5b), and a calculation unit (9), which is connected to the hall sensor (8) and which is designed to calculate a total current (I_T) through the first electrical conductor (4) and the second electrical conductor (5, 5a, 5b) based on the current (I_2) measured by the hall sensor (8). Further on, the invention relates to a switching device (14a..14e) providing a comparable functionality.



The invention relates, in a first aspect, to a method of processing transaction data which includes defining an original set of rules to interpret data from a plurality of current transaction data sources to, by means of an original set of reports, reflect aspects of data from the current transaction data sources; and to create modified sets of rules which are used to process, in parallel with the original set or rules, the transaction data, including historical transaction data, to create for each of the applied sets of rules an associated set of reports; to select and define an updated current set of rules with an associated updated current set of reports.



21: 2021/07403. 22: 2021/09/30. 43: 2024/06/05
 51: G06F; G06Q

71: SIXTH CENT (PTY) LTD

72: KILLASSY, Natalie, KILLASSY, Kirstie Clare
 33: WO 31: PCT/IB2020/051689 32: 2020-02-27

33: ZA 31: 2018/05694 32: 2019-02-27

54: TRANSACTION DATA PROCESSING AND DOCUMENT AND DATA MANAGEMENT METHOD AND SYSTEM

00: -

21: 2021/08155. 22: 2021/10/22. 43: 2024/08/01
 51: C21B

71: AFRICAN RAINBOW MINERALS LIMITED

72: BOUWER, Petrus, Hendrik, Ferreira

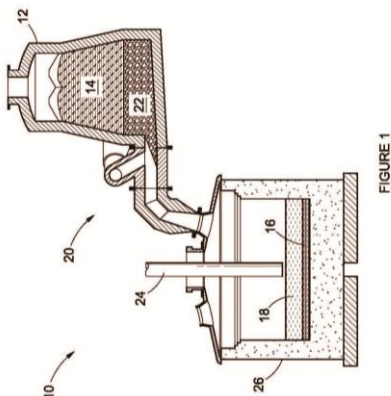
33: NL 31: 2023109 32: 2020-05-10

54: PROCESS FOR THE SMELTING OF A METALLIFEROUS FEEDSTOCK MATERIAL

00: -

The present invention relates to a process for the smelting of a metalliferous feedstock material. The process includes the steps of: (i) feeding an agglomerate comprising of a fine metalliferous feedstock material and a fine reductant to a reactor, the agglomerate forming a packed bed within the reactor; (ii) smelting the agglomerate by passing a

hot reducing gas counter current through the packed bed to form a molten material comprising a partially reduced metalliferous constituent, an intermediate slag constituent and entrained unreacted reductant constituent; and (iii) channelling the molten material to flow into a vessel to form a metal product and a slag product.



21: 2021/09912. 22: 2021/12/02. 43: 2024/06/05
51: A23L

71: C-PASTE LIMITED

72: LAWRENCE, Steven

33: GB 31: 1906393.2 32: 2019-05-07

54: EDIBLE PASTE AND COMPOSITION AND METHOD OF PREPARATION

00: -

There is provided a method of preparing an edible paste comprising: mixing water; polyol(s), and root vegetable(s), to form a mixture; heating the mixture at a sufficient temperature and for a sufficient period of time to form a paste. The method may be used to provide an edible paste consisting of: from 14 wt% to 92 wt% water; from 6 wt% to 39 wt% polyol(s); from 2 wt% to 30 wt% vegetable derived solids; and from 0 wt% to 20 wt% other edible constituents, wherein the vegetable derived solids : polyol(s) ratio is from 1:1.25 to 1:20. There are also provided mixtures for use in the method, pastes obtainable by the method, uses of the paste in the production of food products, and food products including the paste.

21: 2021/10478. 22: 2021/12/15. 43: 2024/06/07

51: A61K A61P

71: TECNIMEDE- SOCIEDADE TÉCNICO-MEDICINAL, SA

72: OLIVEIRA MACHUCO ESTEVENS, Maria, Catarina, SILVA MARQUES DA COSTA, Ricardo

Manuel, SILVA SERRA, João, Pedro, PARDAL FILIPE, Augusto, Eugénio

33: PT 31: 115557 32: 2019-05-31

54: IMMEDIATE RELEASE FIXED-DOSE COMBINATION OF MEMANTINE AND DONEPEZIL

00: -

The present disclosure relates immediate release fixed-dosed combination pharmaceutical composition comprising the active pharmaceutical ingredients Memantine and Donepezil for the treatment of moderate to severe Alzheimer's disease.

21: 2021/10878. 22: 2021/12/23. 43: 2024/06/05

51: H04L

71: nChain Holdings Limited

72: WAHAB, Jad, ZHANG, Wei, DOIRON, Brock, WRIGHT, Craig

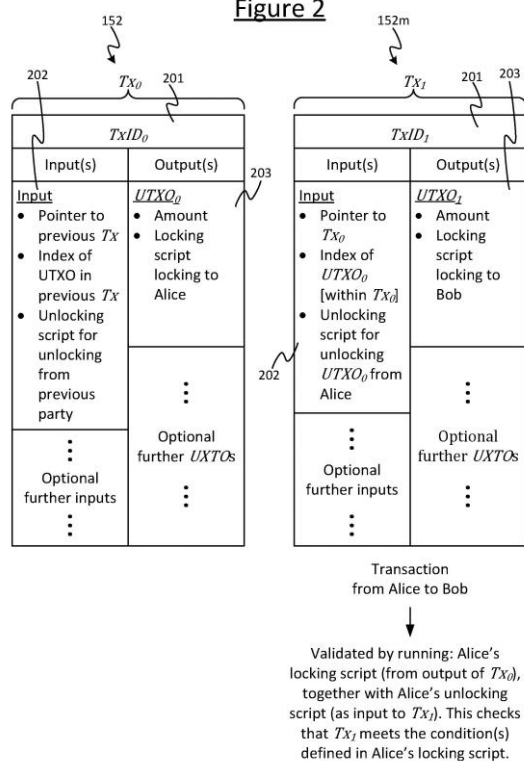
33: GB 31: 1907396.4 32: 2019-05-24

54: HASH FUNCTION ATTACKS

00: -

At least one proof transaction is received at a node of a blockchain network and comprises at least one Elliptic Curve Digital Signature Algorithm (ECDSA) signature and at least one zero-knowledge proof (ZKP) component. The node verifies the ECDSA signature of the at least one proof transaction based on a public key associated with the ECDSA signature and a signed part of the at least one proof transaction, and determined whether the ZKP component is correct for the ECDSA signature and a defined hash value and a defined hash function, in that it proves an ephemeral key counterpart to an r-part of the ECDSA signature to be a preimage of the defined hash value with respect to the defined hash function.

Figure 2

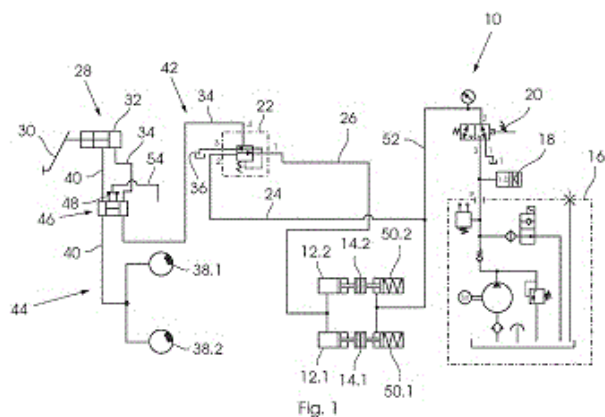


21: 2022/00267. 22: 2022/01/05. 43: 2024/06/12
 51: A01N A01P
 71: BASF AGRO B.V.
 72: STEINBRENNER, Ulrich, STEUERWALD, Joerg, KLAMCZYNSKI, Katharine, LAIK, Wolfgang
 33: EP 31: 19179063.3 32: 2019-06-07
54: MICROPARTICLE COMPOSITIONS COMPRISING SAFLUFENACIL
 00: -
 A microparticle composition comprising saflufenacil, wherein saflufenacil is present in the form of microparticles, which comprise solid saflufenacil, which is surrounded or embedded by an aminoplast polymer, which is a polycondensation product of one or more amino compounds and one or more aldehydes, and further comprising at least one lignin based sulfonic acid A, such as lignosulfonic acid, ethoxylated lignosulfonic acid or oxidized lignins, wherein said lignosulfonic acid A has an average molar weight MW of at least 10,000 Da.

21: 2022/00276. 22: 2022/01/05. 43: 2024/06/19
 51: B60T
 71: COMPACTION TECHNOLOGY (PROPRIETARY) LIMITED
 72: GIEZING, CHRISTIAAN PETRUS, EDER, LANCE
 33: ZA 31: 2019/04363 32: 2019-07-03
 33: ZA 31: 2019/04364 32: 2019-07-03
54: VEHICLE BRAKING SYSTEM
 00: -

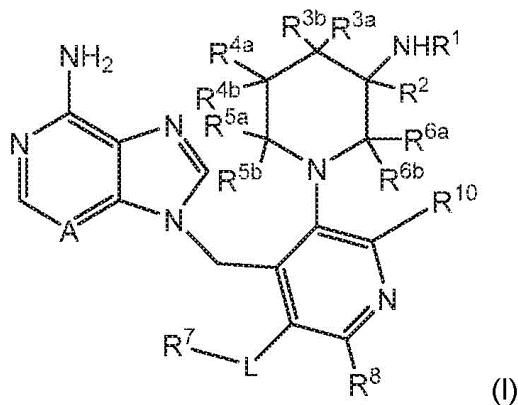
This invention concerns a vehicle braking system (10). The system includes at least one service brake (12.1, 12.2) and pressurising means (16) for providing pressurised fluid for controlling actuation of the brake between its disengaged and engaged positions. The system may include a relay valve (22) located between the pressurising means (16) and the brake for controlling operation of the brake. The system may also include a pressure sensing device (46) for automatically actuating a failsafe brake (50.1, 50.2) of the vehicle upon detection of a pressure differential in the system.

21: 2022/00266. 22: 2022/01/05. 43: 2024/06/11
 51: A23L A61K
 71: SAMI-SABINSA GROUP LIMITED
 72: MAJEED, Muhammed, NAGABHUSHANAM, Kalyanam, BANI, Sarang, PANDEY, Anjali
54: COMPOSITION FOR PROSTAGLANDIN TRANSPORTER INHIBITION AND RELATED THERAPEUTIC APPLICATIONS
 00: -
 The present invention discloses a composition comprising Allium sativum extract standardized to contain not less than 0.3% w/w S-allylcysteine, Beta vulgaris extract standardized to contain not less than 2% w/w nitrates, Nigella sativa extract standardized to contain 0.1% - 5% w/w thymoquinone, about 0.01% - 10% w/w thymohydroquinone, about 20% - 95% w/w fatty acids, about 0.001%-3% w/w a-hederin or hederagenin, and Terminalia arjuna extract standardized to contain 3% w/w arjunoglucosides for use as a prostaglandin transporter inhibitor. The invention also discloses the use of the aforementioned composition in the therapeutic management of hypertension and cardiovascular complications.



21: 2022/00519. 22: 2022/01/11. 43: 2024/07/12
 51: A61K; C07D; A61P
 71: NOVARTIS AG
 72: WANG, Ce, DENG, Haibing, LIU, Jinbiao, OYANG, Counde, XIAO, Qitao, XUN, Guoliang, ZENG, Haiqiang
 33: CN 31: PCT/CN2019/100542 32: 2019-08-14
54: PIPERIDINYL-METHYL-PURINEAMINES AS NSD2 INHIBITORS AND ANTI-CANCER AGENTS
 00: -

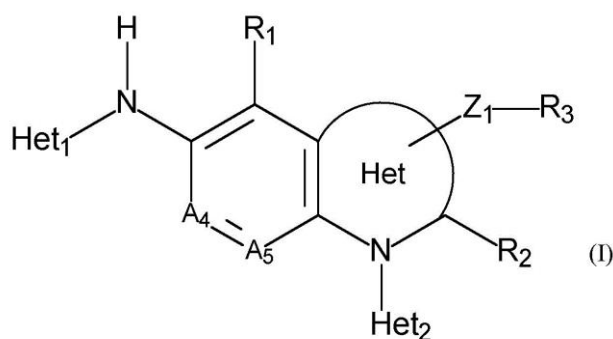
The present invention provides a compound of Formula (I): (I) or an enantiomer, an enantiomeric mixture, or a pharmaceutically acceptable salt thereof; wherein the variables are as defined herein. The present invention further provides pharmaceutical compositions comprising such compounds; and methods of using such compounds for treating a disease or condition mediated by nuclear SET domain-containing protein 2 (NSD2).



21: 2022/00828. 22: 2022/01/18. 43: 2024/06/07
 51: A61K; A61P; C07D
 71: Les Laboratoires Servier, Vernalis (R&D) Limited

72: NOVAK, Tibor, DAVIDSON, James Edward Paul, PACZAL, Attila, STARCK, Jérôme-Benoit, KOTSCHY, András, MURRAY, James Brooke, BEDFORD, Simon, CHANRION, Maïa, COLLAND, Frédéric, DODSWORTH, Mark Philip, HERNER, András, MARAGNO, Ana Leticia, SANDERS, Emma, TIMÁRI, Mátyás Pál, WEBB, Paul
 33: EP(FR) 31: 19188749.6 32: 2019-07-29
54: 6,7-DIHYDRO-5H-PYRIDO[2,3-C]PYRIDAZINE DERIVATIVES AND RELATED COMPOUNDS AS BCL-XL PROTEIN INHIBITORS AND PRO-APOPTIC AGENTS FOR TREATING CANCER
 00: -

The present invention discloses 6,7-dihydro-5H-pyrido[2,3- c]pyridazine, 1,2,3,4-tetrahydroquinoline, 1H-indole, 3,4- dihydro-2H-1,4-benzoxazine, 1H-pyrrolo[2,3-b]pyridin-1-yl, 7H- pyrrolo[2,3- c]pyridazine, 5H,6H,7H,8H,9H-pyridazino[3,4- b]azepine derivatives and related compounds of formula (I) as Bcl-xL protein inhibitors for use as pro-apoptotic agents for treating cancer, autoimmune diseases or immune system diseases. Formula (I). The description discloses the preparation of exemplary compounds (e.g. pages 113 to 354 examples 1 to 221) as well as pharmacological studies with relevant data (e.g. pages 355 to 367; examples A to E; tables 1 to 5). Exemplary compounds are e.g. 2-{6-[(1,3-benzothiazol-2-yl) amino]-1,2,3,4-tetrahydroquinolin-1-yl}-1,3-thiazole-4-carboxylic acid (example 1) or e.g. 3-{1-[(adamantan-1-yl)methyl]-5- methyl-1H-pyrazol-4-yl}-6-{3-[(1,3-benzothiazol-2-yl)amino]-4- methyl-5H,6H,7H,8H-pyrido[2,3-c]pyridazin-8-yl}pyridine-2-carboxylic acid (example 24).

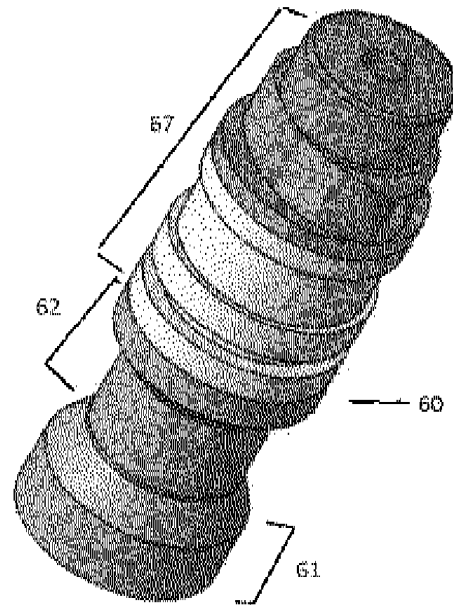


21: 2022/00840. 22: 2022/01/18. 43: 2024/07/12
 51: B24B; B24D
 71: C.M.E. BLASTING & MINING EQUIPMENT LTD.
 72: SJOLANDER, BO, Thomas, SJOLANDER, Bjorn
 33: CA 31: 3.048.076 32: 2019-06-25

54: GRINDING TOOL FOR GRINDING BUTTONS ON A ROCK DRILL BIT

00: -

The present disclosure provides a grinding cup for detachable connection to the output drive shaft of a grinding machine for grinding buttons on drill bits or cutters. The grinding cup has top and bottom surfaces and consists of a lower grinding section and an upper body section co-axial with the grinding section to form a grinding cup with a centrally disposed recess formed in the bottom surface of the grinding section having the desired profile for the button to be ground. The improvement of the present invention is characterized by the upper body section having a centrally disposed upright drive section sized and shaped to fit within a co-axial recess in a free end of the output drive shaft. The upright drive section has a first support section extending from a top surface of the upper body section and a co-axial drive section on the upright drive section extending from a top surface of the first support section to a free end of the upper drive section. The co-axial drive section has a lower cam portion with an elliptical cross section, shaped and sized to fit within a corresponding pair of lobed grooves in a sidewall of the co-axial recess in the output drive shaft and an upper portion, co-axial with the lower cam portion having a circular cross-section slightly less than the diameter of an upper portion of the co-axial recess in the output drive shaft. Retaining means for detachably connecting the grinding cup to the output drive shaft of the grinding machine are provided on the upright drive section, preferably on or in association with the first support section.



21: 2022/01779. 22: 2022/02/10. 43: 2024/07/26

51: A61K; A61N; G21G; A61P

71: ALPHA TAU MEDICAL LTD.

72: KELSON, Itzhak, SCHMIDT, Michael

33: US 31: 62/913,184 32: 2019-10-10

54: WET PREPARATION OF RADIOTHERAPY SOURCES

00: -

A method of accumulating radium radionuclides, comprising providing a first solution including thorium radionuclides and a thorium-binding extractant, wherein the first solution does not bind to radium, allowing a portion of the thorium radionuclides in the first solution to decay into radium atoms and collecting radium atoms resulting from the decay. The collected radium atoms may be included in a solution in which brachytherapy sources are dipped, in a manner which collects the radium atoms onto the source.

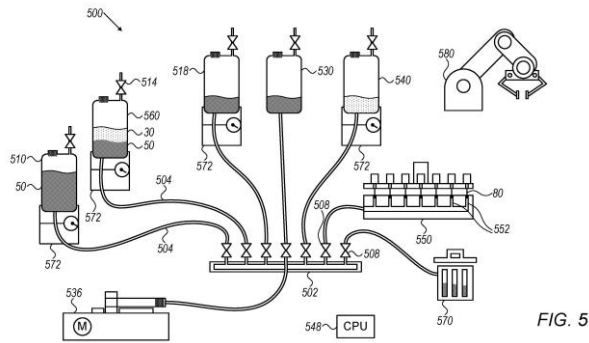
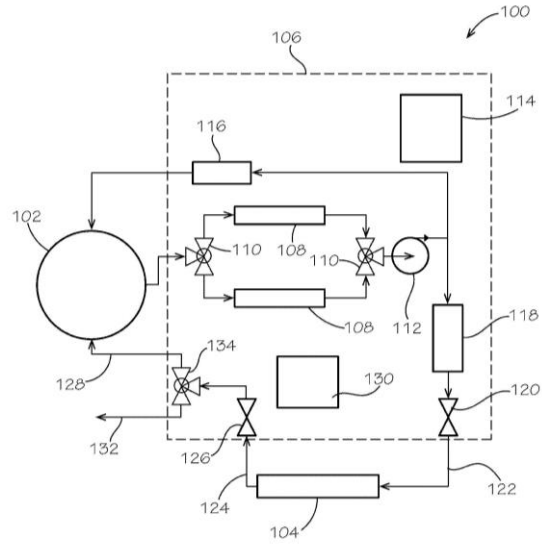


FIG. 5



21: 2022/01978. 22: 2022/02/16. 43: 2024/07/25

51: A01C; A01M

71: PRECISION PLANTING LLC

72: SCHLIPF, Ben, KLOPFENSTEIN, Matthew

33: US 31: 62/908,138 32: 2019-09-30

54: SYSTEM AND METHOD FOR TESTING AN AGRICULTURAL IMPLEMENT

00: -

A system (100) for testing an agricultural implement includes a frame (106) configured to receive a device (104) to be tested. The frame carries a filter (108), a pump (112), a pressure relief valve (116) in fluid communication with the pump outlet, a frame output tube (122) to deliver the flow of fluid from the pump outlet to the device to be tested, a frame return tube (124) to receive the flow of fluid from the device to be tested, and a recycle flow outlet (128).

A method of testing includes connecting a device to the frame output tube and the frame return tube, pumping a fluid from the frame output tube to the frame return tube through the device, and measuring a flow rate of the fluid through the device.

21: 2022/01979. 22: 2022/02/16. 43: 2024/07/25

51: A01C

71: PRECISION PLANTING LLC

72: SCHLIPF, Ben, SLONEKER, Dillion, HODEL, Jeremy

33: US 31: 62/910,240 32: 2019-10-03

33: US 31: 62/910,254 32: 2019-10-03

33: US 31: 62/910,271 32: 2019-10-03

33: US 31: 2/934,796 32: 2019-11-13

33: US 31: 62/934,816 32: 2019-11-13

33: US 31: 62/934,826 32: 2019-11-13

54: AGRICULTURAL TRENCH DEPTH ADJUSTMENT FOR ROW UNIT

00: -

System for adjusting the depth of a trench opened by a row unit (10) of an agricultural planter. The row unit (10) includes a trench depth adjustment assembly (90R) configured to modify the trench depth. The trench depth adjustment assembly (90R) includes a depth adjustment body (3044) pivotally connected via a pivot (92) to a frame member (14) of the row unit (10). An electric motor (3030) is operable to cause rotation of a shaft (3034) operably coupled with the depth adjustment body (3044), whereby rotation of the shaft (3034) causes the depth adjustment body (3044) to pivotally move about the pivot (92) thereby changing a position of contact of the depth adjustment body (3044) with a gauge wheel arm (54), thus changing the amount of upward travel of the gauge wheel (50) with respect to a trench opening disc (62) and thus the depth of the trench.

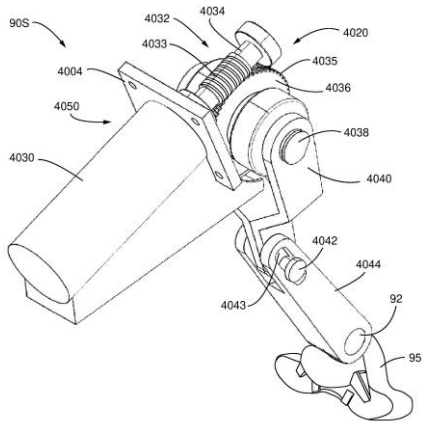


FIG. 33

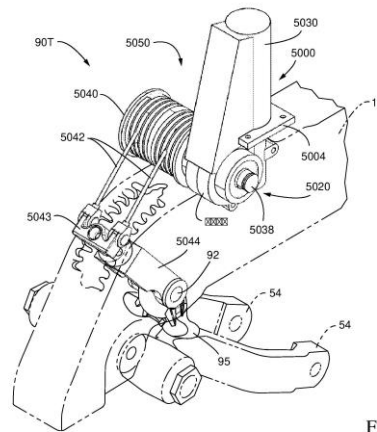


FIG. 36

21: 2022/01980. 22: 2022/02/16. 43: 2024/07/25
51: A01C

71: PRECISION PLANTING LLC
72: SCHLIPF, Ben, SLONEKER, Dillion, HODEL, Jeremy

33: US 31: 62/910,240 32: 2019-10-03
33: US 31: 62/910,254 32: 2019-10-03
33: US 31: 62/910,271 32: 2019-10-03
33: US 31: 62/934,796 32: 2019-11-13
33: US 31: 62/934,816 32: 2019-11-13
33: US 31: 62/934,826 32: 2019-11-13

54: AGRICULTURAL TRENCH DEPTH SYSTEMS, METHODS, AND APPARATUS

00: -
A row unit (10) of an agricultural planter with an apparatus for adjusting the depth of a trench opened by the row unit (10). The row unit (10) includes a trench depth adjustment assembly (90T) configured to modify the trench depth. The trench depth adjustment assembly (90T) includes a depth adjustment body (5044) pivotally connected via a pivot to a frame member (14) of the row unit (10). An electric motor (5030) is operable to cause rotation of a shaft (5038) operably coupled with the depth adjustment body (5044), whereby rotation of the shaft (5038) causes the depth adjustment body (5044) to pivotally move about the pivot (92) thereby changing a position of contact of the depth adjustment body (5044) with a gauge wheel arm (54), thus changing the amount of upward travel of the gauge wheel (52) with respect to a trench opening disc (62) and thus the depth of the trench.

21: 2022/02095. 22: 2022/02/18. 43: 2024/07/25
51: F04B

71: IPTREE TRUST (TRUST NUMBER 503/2009)
72: BÜHRMANN, Rudolph, BÜHRMANN, Rudolph Teodor

33: ZA 31: 2020/07293 32: 2020-11-24

54: EXPLOSIVES PUMP ELECTRICITY SUPPLY AND CONTROL

00: -
The invention relates to an emulsion explosives pump with an onboard generator mechanism. A first component is a magnet arrangement and a second component is a series of coils. Either of the first component or the second component is connected to a pumping piston for movement relative to the other so as to generate electric power in the second component. The invention extends to a method of controlling an emulsion explosives pump, which includes monitoring data of generated phase potentials from the generator mechanism and using said data to determine a stroke of the pumping piston in a dispensing unit and switch a main control valve for the pump to deliver a measured volume of emulsion.

21: 2022/02099. 22: 2022/02/18. 43: 2024/07/25
51: F04B

71: IPTREE TRUST (TRUST NUMBER 503/2009)
72: BÜHRMANN, Rudolph, BÜHRMANN, Rudolph Teodor

33: ZA 31: 2020/07294 32: 2020-11-24

54: LIQUID EXPLOSIVES PUMP

00: -
The invention relates to a pump for viscous liquids, preferably explosives. A plunger is driven by a first

actuator for movement in a pump chamber between an inlet and outlet flow control valves for liquid supply to the pump chamber and liquid delivery from the pump chamber. The inlet valve has a second actuator and the outlet valve has a third actuator. The inlet valve is opened and the outlet valve is closed before a suction stroke of the plunger commences. The inlet valve is closed at an end of the suction stroke as the plunger is stopped. Once the plunger is stopped the outlet valve is opened and the plunger commences on a delivery stroke. The outlet valve is closed at an end of the delivery stroke as the plunger is stopped. Once the plunger is stopped the inlet valve is opened and the plunger commences on a suction stroke.

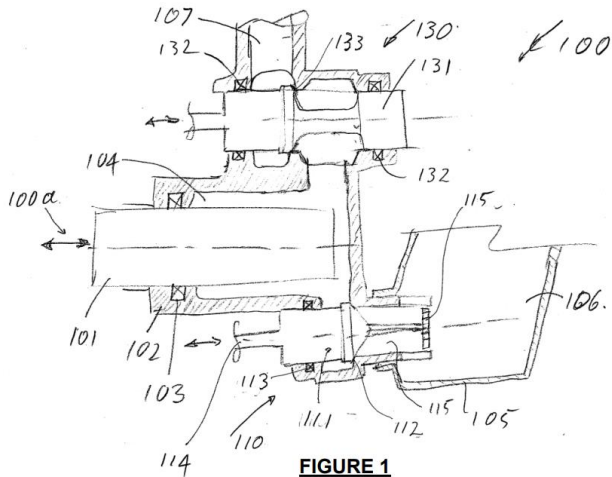


FIGURE 1

21: 2022/02108. 22: 2022/02/18. 43: 2024/07/26
 51: A01D
 71: PRECISION PLANTING LLC
 72: SWANSON, Todd, STOLLER, Jason, HERRMANN, Aaron
 33: US 31: 62/945,289 32: 2019-12-09
54: METHODS AND IMAGING SYSTEMS FOR HARVESTING
 00: -
 Described herein are methods and harvesters for adjusting settings of a harvester. In one embodiment, a computer Implemented method includes capturing, with at least one image capture device that is located on the harvester, images of a field view of an unharvested region to be harvested, analyzing the captured images to determine crop information for a crop of a harvested region that is adjacent to the unharvested region, and adjusting settings or operating parameters of the harvester for

the unharvested region based on the crop information for the crop of the harvested region.

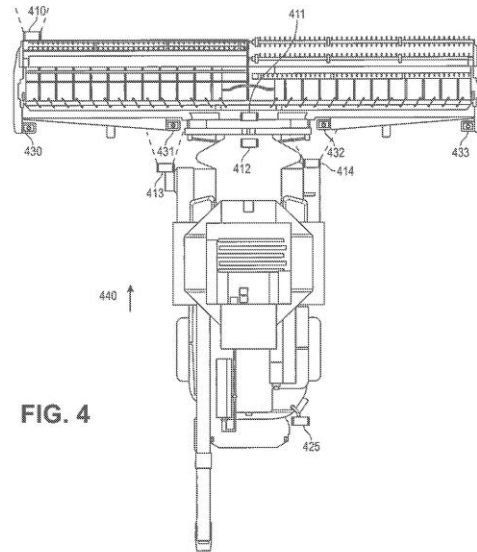
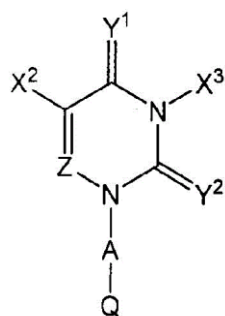


FIG. 4

21: 2022/02537. 22: 2022/03/01. 43: 2024/07/25
 51: E02D
 71: ZHOU, Zhaodi
 72: ZHOU, Zhaodi
 33: CN 31: 201921464635.1 32: 2019-09-04
 33: CN 31: 202010371564.1 32: 2020-05-06
54: CONCRETE VARIABLE CROSS-SECTION PREFABRICATED SQUARE PILE
 00: -

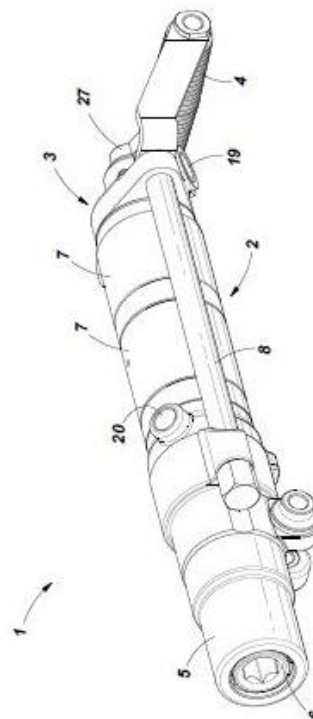
A concrete variable cross-section prefabricated square pile, comprising pile bodies of large cross-section sections and small cross-section sections alternately arranged along a longitudinal direction. Lateral transition surfaces are formed between side surfaces of the large cross-section sections and adjacent small cross-section sections; at least part of the lateral transition surfaces have a front edge and/or a rear edge that are offset from a vertical direction in a lateral projection, and a vertical projection of an intersection line between the lateral transition surface and a first horizontal plane is located outside a vertical projection of an intersection line between the lateral transition surface and a second horizontal plane; the first horizontal plane is a horizontal plane located above in any two horizontal planes, and the second horizontal plane is a horizontal plane located below in any two horizontal planes; one or both side surfaces of the small cross-section section are perpendicular to the bottom surface of the small

cross-section section or are laterally inclined by a set angle. According to the prefabricated pile, the phenomenon that the middle section is easy to damage can be avoided, the breakage rate of the variable cross-section prefabricated square pile is reduced, and the product quality of the variable cross-section prefabricated square pile is more stable and reliable.



21: 2022/02598. 22: 2022/02/28. 43: 2024/07/29
 51: B23B
 71: SULZER (SOUTH AFRICA) HOLDINGS (PTY) LTD
 72: MARIUS IMANIEL ACKERMANN
 33: ZA 31: 2021/00940 32: 2021-02-11
54: DRILL
 00: -

This invention relates to a hydraulic rock drill. The drill having a plunger, a rotation means and a plunger actuator for reciprocating the plunger between an extended position in which a front end thereof forces a drill steel to an extended position and a retracted position in which the drill steel is free to move back onto the front end of the plunger, the plunger having plunger engagement formations on an outer surface thereof engaged with complementary rotation means engagement formations on an inner bore of the rotation means, the engagement formations extending at least partially radially from the plunger or from the bore so that movement of the plunger from its retracted position to its extended position causes rotation of the rotation means about its axis in one direction of rotation and thus rotation of the drill steel about its axis by the rotation means.



21: 2022/02796. 22: 2022/03/08. 43: 2024/07/24
 51: A61K; A61P
 71: Forty Seven, Inc.
 72: CAO, YINUO, CHAO, Mark Ping, MAJETI, Ravindra, MAUTE, Roy Louis, TAKIMOTO, Chris Hidemi Mizufune, TRAN, Kelly
 33: US 31: 62/916,949 32: 2019-10-18
 33: US 31: 62/944,851 32: 2019-12-06
 33: US 31: 63/031,438 32: 2020-05-28

54: COMBINATION THERAPIES FOR TREATING MYELODYSPLASTIC SYNDROMES AND ACUTE MYELOID LEUKEMIA

00: -
 Methods, kits, and compositions are provided herein that can be used to treat hematopoietic disorders using an anti-CD47 agent such as an antibody and a hypomethylating agent, such as azacitidine.

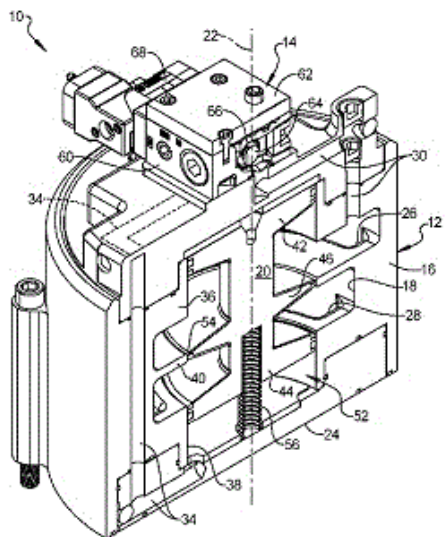
21: 2022/02914. 22: 2022/03/10. 43: 2024/07/08
 51: B22F; C22C; C07K; C08H; C08J; C08K; C08L
 71: ETH ZURICH
 72: VAN 'T HAG, Leonie, MEZZENGA, Raffaele
 33: EP 31: 19194693.8 32: 2019-08-30
54: LIGHT GOLD

00: -
 The present invention relates to novel composite materials comprising elemental gold in the form of single crystals, amyloid fibrils and a polymer. This composite material is similar to glassy plastics yet

lighter than aluminum and has a golden shining similar to 18K gold. Due to its unique properties, this composite is termed "light gold". This composite material suits, for example, watches, jewelry, radiation shielding, catalysis and electronics. The invention further provides for environmentally friendly methods to manufacture such composite materials.

21: 2022/02987. 22: 2022/03/11. 43: 2024/06/19
 51: F16K; B29C
 71: MAC VALVES, INC.
 72: JENKINS, RAY, NEFF, MATTHEW, SIMMONDS, JEFFREY, WILLIAMS, KEVIN C
 33: US 31: 62/902,129 32: 2019-09-18
 33: US 31: 17/021,283 32: 2020-09-15
54: PULSE VALVE

00: -
 A pulse valve assembly is disclosed. The pulse valve comprises: a main valve comprising a main valve body, a main valve bore extending within the main valve body, and a main valve spool slidingly disposed in the main valve bore for movement between a closed position and an open position; and a pilot valve which is configured to selectively move the main valve spool between the closed position and the open position.

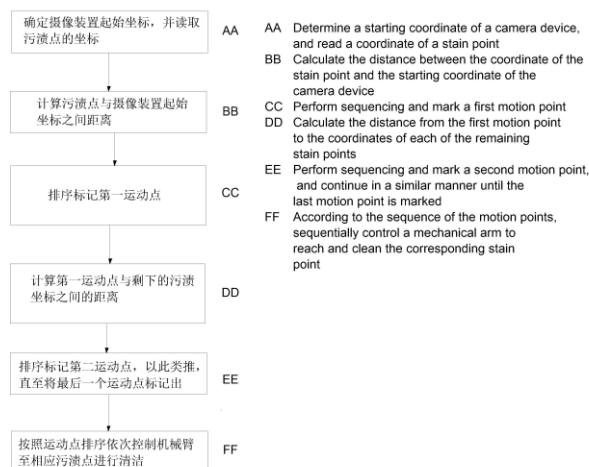


21: 2022/03209. 22: 2022/03/17. 43: 2024/06/07
 51: B25J; D06F; G05D
 71: Wuyi University

72: DENG, Fuqin, LI, Weike, LAI, Feiyue, HUANG, Yongshen, FENG, Hua, YUE, Hongwei, DING, Yi, LONG, Jiale, ZHANG, Jianmin, WANG, Dong
 33: CN 31: 202010131975.3 32: 2020-02-28

54: MULTI-STAIN CLEANING ROBOT AND METHOD FOR CONTROLLING MOTION PATH BASED ON THE SAME

00: -
 Disclosed are a multi-stain cleaning robot and a motion path control method based on the multi-stain cleaning robot. Compared with a traditional technique, good mechanical dry cleaning conditions can be provided on the basis of hardware support from a mechanical arm, a camera device and a servo system; compared with manual cleaning, the efficiency is more optimized; and specifically, each stain point is scanned in sequence by means of the camera device, and the relative distances thereof are sequenced by means of the servo system, as such, the distances of all the stain points can be known and clearly ranked, such that the mechanical arm can be conveniently driven to reach each stain point in sequence to implement dry cleaning, no stain point will be missed, path effectiveness is also guaranteed, and the mechanical arm is prevented from generating redundant paths. Therefore, the present invention has a rational design and intelligent control, and is capable of carrying out stable and rapid dry cleaning of multiple stains at the same time, thereby improving the efficiency of clothes dry cleaning.



21: 2022/03248. 22: 2022/03/18. 43: 2024/07/24
 51: A61K; C07D; A61P
 71: SK BIOPHARMACEUTICALS CO., LTD.

72: KIM, Jin Sung, SHIN, Yong Je, LEE, Jun, PARK, Sook Kyung, LEE, Ho Yeon, CHOI, Hyun Suk, KIM, Se Hyuk, KANG, Eun Ji, LEE, Ho Youl, JUNG, Soo Yeon

33: KR 31: 10-2019-0122177 32: 2019-10-02

54: BICYCLIC COMPOUND AND USE THEREOF

00: -

The present invention relates to a compound derivative bearing a 6-7 bicyclic ring and a use thereof. The compound according to the present invention acts as a protein arginine methyltransferases 5 (PRMT5) inhibitor and thus can be advantageously used to prevent or treat a disease caused by PRMT5.

21: 2022/03446. 22: 2022/03/24. 43: 2024/07/24

51: A61K; C07D; A61P

71: NOVARTIS AG

72: SHAW, Duncan, MA, Fupeng, LINKENS, Kathryn Taylor, BOSS, Kelly, D., FAN, Yi, FLYER, Alec, Nathanson, HARDY, Declan, HUANG, Zhihong, LOREN, Jon, Christopher, MOLteni, Valentina, SMITH, Jeffrey, SOLOVAY, Catherine, Fooks

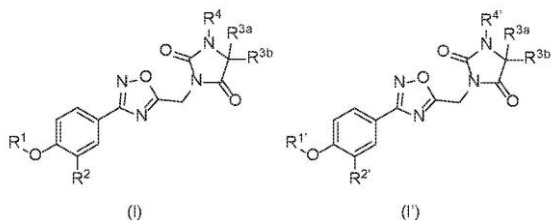
33: US 31: 62/940,061 32: 2019-11-25

33: US 31: 63/106,293 32: 2020-10-27

54: 1,2,4-OXADIAZOLE DERIVATIVES AS LIVER X RECEPTOR AGONISTS

00: -

Provided herein are compounds and pharmaceutical compositions useful for treating meibomian gland dysfunction (MGD), comprising administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) or a compound of Formula (I'), or pharmaceutical composition described herein.



21: 2022/03619. 22: 2022/03/29. 43: 2024/06/26

51: G06N

71: FEATURESPACE LIMITED

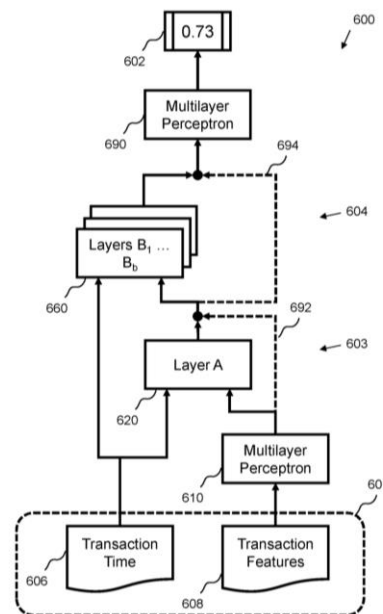
72: WONG, Kenny, KIELAK, Kacper, BARSACCHI, Marco, SUTTON, David, WONG, Jason

33: US 31: 63/049,873 32: 2020-07-09

54: NEURAL NETWORK ARCHITECTURE FOR TRANSACTION DATA PROCESSING

00: -

An example machine learning system for processing data associated with a transaction is described. The machine learning system has a first processing stage with a recurrent neural network architecture. The recurrent neural network architecture has a forget gate to modify state data for a previous iteration based on data representing a time difference between a proposed transaction and a prior transaction. The machine learning system also has a second processing stage with an attention neural network architecture communicably coupled to the first processing stage. The machine learning system is configured to map output data from the second processing stage to a scalar value representative of a likelihood that the proposed transaction presents an anomaly within a sequence of actions. The scalar value is used to determine whether to approve or decline the proposed transaction.



21: 2022/03620. 22: 2022/03/29. 43: 2024/06/26

51: G06N

71: FEATURESPACE LIMITED

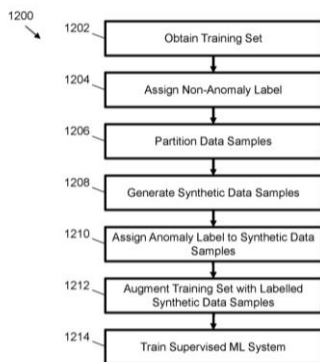
72: WONG, Kenny, SUTTON, David, BARNSGRAHAM, Alec, PEREZ, Iker

33: US 31: 63/049,873 32: 2020-07-09

54: TRAINING A MACHINE LEARNING SYSTEM FOR TRANSACTION DATA PROCESSING

00: -

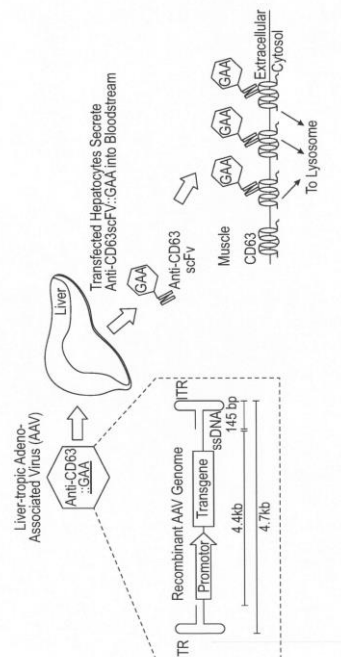
A method of training a supervised machine learning system to detect anomalies within transaction data is described. The method includes obtaining a training set of data samples; assigning a label indicating an absence of an anomaly to unlabelled data samples in the training set; partitioning the data of the data samples in the training set into two feature sets, a first feature set representing observable features and a second feature set representing context features; generating synthetic data samples by combining features from the two feature sets that respectively relate to two different uniquely identifiable entities; assigning a label indicating a presence of an anomaly to the synthetic data samples; augmenting the training set with the synthetic data samples; and training a supervised machine learning system with the augmented training set and the assigned labels.



21: 2022/03800. 22: 2022/04/04. 43: 2024/07/25
 51: G01N
 71: REGENERON PHARMACEUTICALS, INC.
 72: WANG, Shunhai
 33: US 31: 62/750,583 32: 2018-10-25
54: METHODS FOR ANALYSIS OF VIRAL CAPSID PROTEIN COMPOSITION

00: -

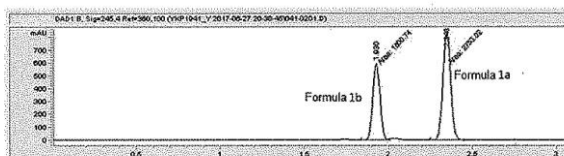
Methods of determining the stoichiometry of a viral capsid and/or determining the heterogeneity of protein components in a viral capsid are disclosed.



21: 2022/03822. 22: 2022/04/04. 43: 2024/07/30
 51: C07D
 71: SK BIOPHARMACEUTICALS CO., LTD.
 72: LEE, Kyu Woong, CHA, Kyung Mi, YEOM, Su Yeon, WOO, Ji Seon
 33: US 31: 16/662,547 32: 2019-10-24
 33: KR 31: 10-2019-0133120 32: 2019-10-24
54: METHOD FOR PREPARING ARYL 2-TETRAZOL-2-YL KETONE WITH IMPROVED SELECTIVITY

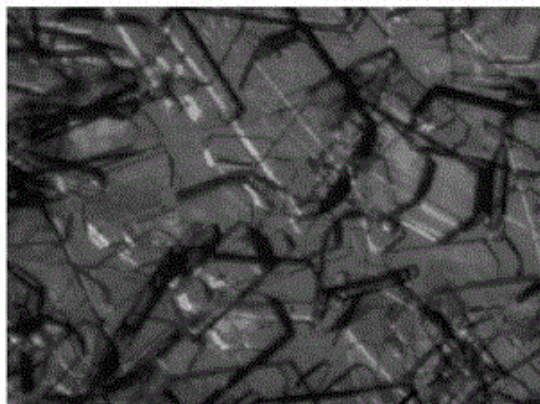
00: -

The present disclosure relates to a method for preparing aryl 2-tetrazol-2-yl ketone of Formula 1a with improved selectivity.



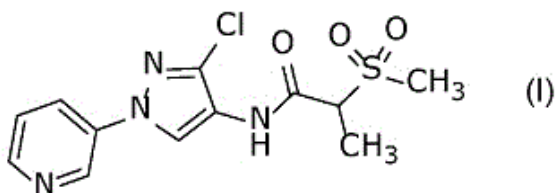
21: 2022/04019. 22: 2022/04/08. 43: 2024/06/20
 51: C07H
 71: CJ CHEILJEDANG CORPORATION
 72: CHOI, JUNG HWA, KIM, MIN JONG, OH, CHANG YUB, LIM, HWA YEON, KANG, SEOK HYUN, KIM, YU SHIN, KANG, JI HUN, KIM, IL CHUL, YU, JAE HUN
 33: KR 31: 10-2019-0124774 32: 2019-10-08
54: METHOD FOR PREPARING DISODIUM 5'-GUANYLATE HEPTAHYDRATE CRYSTAL

00: -
 Provided is a method for preparing a disodium 5'-guanylate heptahydrate crystal from an aqueous 5'-guanylate solution.



21: 2022/04076. 22: 2022/04/11. 43: 2024/06/20
 51: A01P; A01N
 71: CORTEVA AGRISCIENCE LLC
 72: DAVIES, KENT, GOMEZ, LUIS ENRIQUE, HUNTER, RICKY, WALSH, MARTIN J
 33: US 31: 62/944,437 32: 2019-12-06
54: COMPOSITIONS HAVING PESTICIDAL UTILITY AND PROCESSES RELATED THERETO
 00: -

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



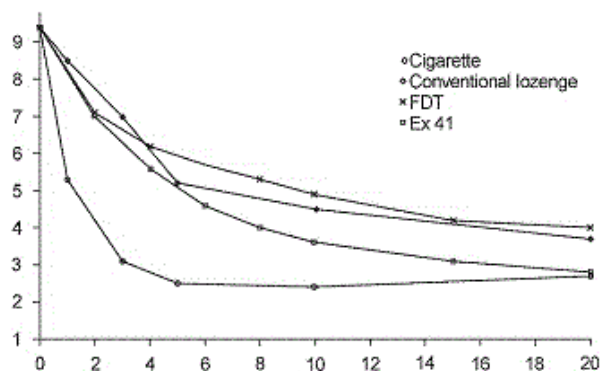
21: 2022/04081. 22: 2022/04/11. 43: 2024/06/20
 51: A61K
 71: FERTIN PHARMA A/S
 72: NIELSEN, BRUNO PROVSTGAARD, BOESEN, DORTHE SCHACKINGER, BRUUN, HEIDI

ZIEGLER, NIELSEN, KENT ALBIN, PRANGER-RASMUSSEN, RIKKE

33: US 31: 16/599,629 32: 2019-10-11

54: COMPRESSED NICOTINE LOZENGE

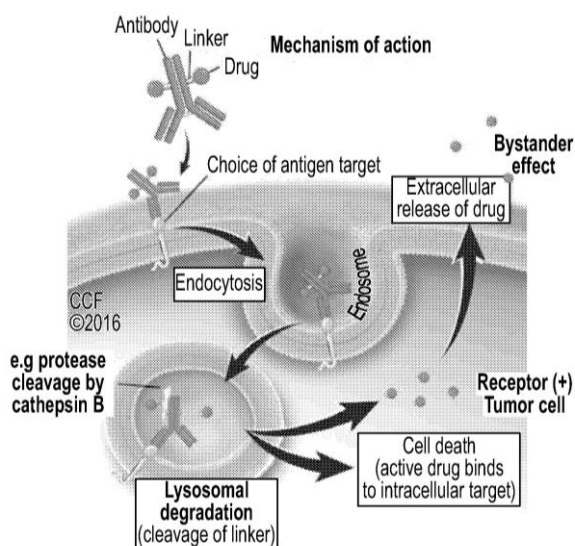
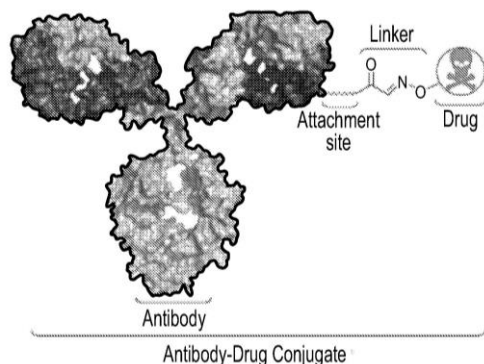
00: -
 A water-dissolvable compressed oral nicotine lozenge is disclosed, the oral nicotine lozenge comprising a first module and a second module, the first and the second modules being fused by compression, the first module being a lozenge module comprising at least one sugar alcohol and the second module being an FDT-module comprising at least one sugar alcohol and nicotine. Also, a method of manufacturing a water-dissolvable compressed oral nicotine lozenge is disclosed.



21: 2022/04192. 22: 2022/04/13. 43: 2024/07/25
 51: C12Q; G01N
 71: REGENERON PHARMACEUTICALS, INC.
 72: YANG, Xiangkun
 33: US 31: 62/916,876 32: 2019-10-18
 33: US 31: 63/043,756 32: 2020-06-24
54: SITE-SPECIFIC QUANTITATION OF DRUG CONJUGATIONS

00: -
 A method for site-specific quantitation or characterization of drug conjugations of antibody-drug conjugates using protease-assisted drug deconjugation, linker labelling and mass spectrometry, wherein the conjugation includes an attachment linked to a specific conjugation site of a partially conjugated peptide or protein in a sample. The method comprises cleaving a portion of the attachment to generate the peptide or protein containing a cleaved linker, adding a modified linker to an unconjugated conjugation site of the partially conjugated peptide or protein, and subsequently subjecting the sample to mass analysis to identify

the peptide or protein containing the cleaved linker and/or the modified linker.



21: 2022/04275. 22: 2022/04/14. 43: 2024/06/20
 51: C07D
 71: FMC CORPORATION, FMC AGRO SINGAPORE PTE. LTD.
 72: CAO, YANCHUN, CHEN, LIANG, MAO, JIANHUA, XU, ZHIJIAN
 33: US 31: 62/931,310 32: 2019-11-06
 33: US 31: 62/916,832 32: 2019-10-18
54: METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID
 00: -
 Described herein are novel methods of synthesizing 5-Bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid from pyrazole or pyrazole derivatives. Also described herein are novel reaction intermediates.

21: 2022/04276. 22: 2022/04/14. 43: 2024/06/20

51: C07D
 71: FMC CORPORATION, FMC AGRO SINGAPORE PTE. LTD.
 72: CHEN, YUZHONG, FREUDENBERGER, JOHN HERBERT, WRIGHT, JAMES
 33: US 31: 62/916,827 32: 2019-10-18
54: METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID
 00: -
 Described herein are novel methods of synthesizing 5-Bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid from pyrazole or pyrazole derivatives.

21: 2022/04277. 22: 2022/04/14. 43: 2024/06/20
 51: C07D
 71: FMC CORPORATION, FMC AGRO SINGAPORE PTE. LTD.
 72: CAO, YANCHUN, LIU, XIN, MAO, JIANHUA, XU, ZHIJIAN
 33: US 31: 62/916,840 32: 2019-10-18
 33: US 31: 62/982,248 32: 2020-02-27
54: METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID
 00: -
 Described herein are novel methods of synthesizing 5-Bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid from pyrazole or pyrazole derivatives. Also described herein are novel reaction intermediates.

21: 2022/04278. 22: 2022/04/14. 43: 2024/06/20
 51: C07D
 71: FMC CORPORATION, FMC AGRO SINGAPORE PTE. LTD.
 72: CAO, YANCHUN, LIU, XIN, MAO, JIANHUA, XU, ZHIJIAN
 33: US 31: 62/982,248 32: 2020-02-27
 33: US 31: 62/916,840 32: 2019-10-18
54: METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID
 00: -
 Described herein are novel methods of synthesizing 5-Bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid from pyrazole or pyrazole derivatives. Also described herein are novel reaction intermediates.

21: 2022/04280. 22: 2022/04/14. 43: 2024/06/20

51: C07D

71: FMC CORPORATION, FMC AGRO
SINGAPORE PTE. LTD.72: CAO, YANCHUN, LIU, XIN, MAO, JIANHUA,
XU, ZHIJIAN

33: US 31: 62/916,836 32: 2019-10-18

33: US 31: 62/931,320 32: 2019-11-06

54: METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID

00: -

Described herein are novel methods of synthesizing 5-Bromo-2-(3-chloro-pyridin-2-yl)-2H-pyrazole-3-carboxylic acid from pyrazole or pyrazole derivatives. Also described herein are novel reaction intermediates.

21: 2022/04357. 22: 2022/04/19. 43: 2024/06/20

51: C12N

71: ARROWHEAD PHARMACEUTICALS, INC.

72: LI, ZHEN, ZHU, RUI, WOODDELL, CHRISTINE
I, PEI, TAO

33: US 31: 62/596,232 32: 2017-12-08

33: US 31: 62/444,452 32: 2017-01-10

33: US 31: 62/486,720 32: 2017-04-18

54: ALPHA-1 ANTITRYPSIN (AAT) RNAI AGENTS, COMPOSITIONS INCLUDING AAT RNAI AGENTS, AND METHODS OF USE

00: -

RNAi agents for inhibiting the expression of the alpha-1 antitrypsin (AAT) gene, compositions including AAT RNAi agents, and methods of use are described. Also disclosed are pharmaceutical compositions including one or more AAT RNAi agents together with one or more excipients capable of delivering the RNAi agent(s) to a liver cell in vivo. Delivery of the AAT RNAi agent(s) to liver cells in vivo inhibits AAT gene expression and treats diseases associated with AAT deficiency such as chronic hepatitis, cirrhosis, hepatocellular carcinoma, transaminitis, cholestasis, fibrosis, and fulminant hepatic failure.

21: 2022/04386. 22: 2022/04/19. 43: 2024/06/20

51: C07D; A61P; A61K

71: LILAC THERAPEUTICS, INC.

72: CODELLI, JULIAN A, DESAI, MANOJ C, GUO,
HONGYAN, LEE, AMY S, MITRA, AURPON W,
PYUN, HYUNG-JUNG, SHIVAKUMAR, DEVLEENA
M, XU, LIANHONG, KNOX, JOHN E, NEWBY,
ZACHARY ER

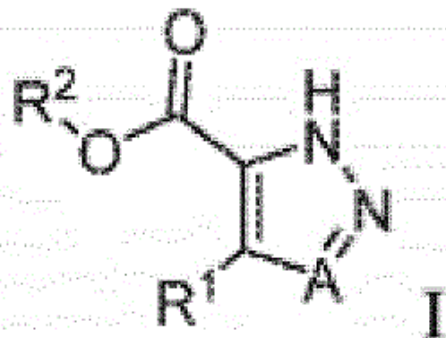
33: US 31: 63/093,094 32: 2020-10-16

33: US 31: 62/929,476 32: 2019-11-01

54: HETEROCYCLIC CARBOXYLATE COMPOUNDS AS GLYCOLATE OXIDASE INHIBITORS

00: -

The present disclosure relates generally to modulators of human glycolate oxidase enzyme and methods of use and manufacture thereof. (I)



21: 2022/04525. 22: 2022/04/22. 43: 2024/07/24

51: C08J; C08L

71: IFP ENERGIES NOUVELLES

72: THINON, Olivier, HAROUN, Yacine, MEKKI-
BERRADA, Adrien

33: FR 31: FR1914995 32: 2019-12-19

54: OPTIMIZED METHOD FOR DEPOLYMERIZING A POLYESTER COMPRISING POLYETHYLENE TEREPHTHALATE

00: -

The invention relates to a method for depolymerizing a polyester feedstock comprising PET, the method comprising, prior to the step of depolymerization by glycolysis and the step of purifying the depolymerization effluent, an improved step of conditioning the feedstock in which the polyester feedstock is temperature and pressure conditioned, then mixed with at least a recycled residual effluent and a diol effluent, particularly in order to substantially reduce the viscosity of the feedstock.

21: 2022/04669. 22: 2022/04/26. 43: 2024/06/19

51: G06K

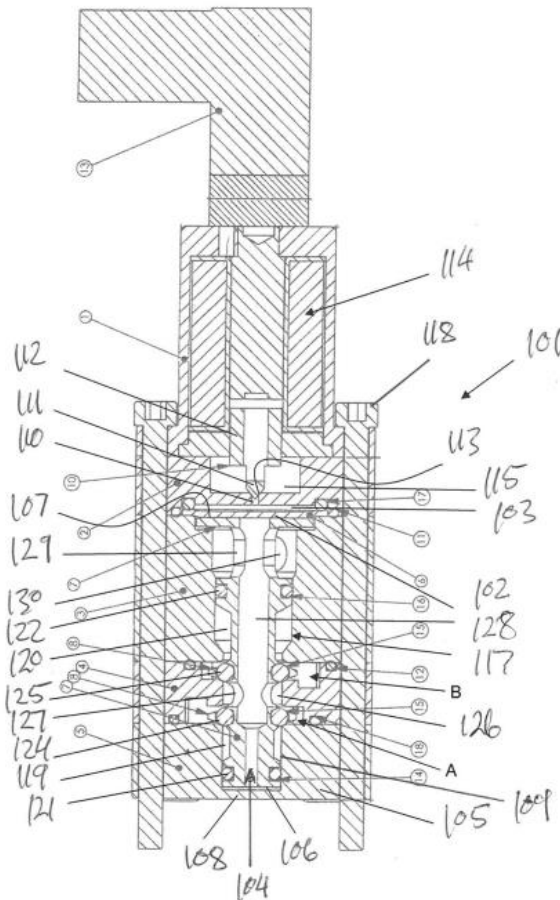
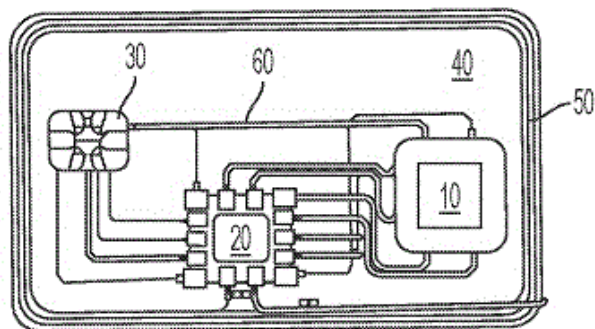
71: COMPOSECURE, LLC

72: LOWE, ADAM

33: US 31: 62/925,926 32: 2019-10-25

54: METAL CARD WITH BIOMETRIC FEATURES

00: -
 Metal transaction cards and methods of making metal transaction cards are disclosed. One metal transaction card includes at least one metal layer and an inlay layer comprising a biometric sensor and one or more payment interface components configured to interface with a card reader, a secure element configured to exchange information with the card reader pursuant to processing a financial transaction, and at least one logic component connected to the biometric sensor. The logic component is configured to compare information detected by the biometric sensor to stored information and to enable processing of the financial transaction only upon a detected match between the detected and stored information.



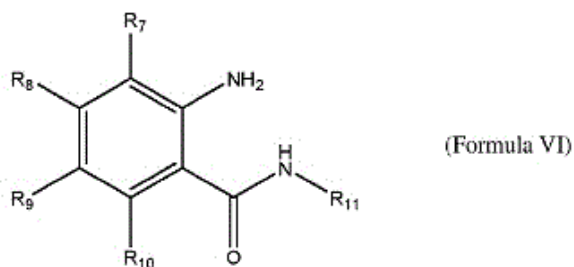
21: 2022/04703. 22: 2022/04/28. 43: 2024/07/26
 51: F04B; F25B
 71: IPTREE TRUST (TRUST NUMBER 503/2009)
 72: BÜHRMANN, Rudolph, BÜHRMANN, Rudolph Teodor
 33: ZA 31: 2021/01860 32: 2021-03-19
54: A PILOT VALVE

00: -
 A solenoid pilot valve includes a diaphragm arranged with a pressurised fluid chamber on one side and a sliding valve spindle having an end against the other side. The fluid chamber includes a vent with a vent closure spring biased onto a vent seat. The vent closure is connected to a solenoid and arranged for retraction of the closure from the vent seat on actuation of the solenoid. The valve spindle is biased towards the diaphragm from a first position to a second position and pressure in the fluid chamber biasing the diaphragm serves to retain the valve spindle in the first position.

21: 2022/04803. 22: 2022/04/29. 43: 2024/06/21
 51: C07D; C07C

71: FMC CORPORATION, FMC AGRO SINGAPORE PTE. LTD.
 72: CHEN, LIANG, FAN, YEFENG, MAO, JIANHUA, XU, ZHIJIAN
 33: US 31: 62/929,138 32: 2019-11-01
54: AN EFFICIENT NEW PROCESS FOR SYNTHESIS OF 2-AMINO-5-CHLORO-N-,3-DIMETHYLBENZAMIDE

00: -
 Described herein are novel methods of synthesizing 2-amino-5-chloro-N-,3- dimethylbenzamide. Compounds prepared by the methods disclosed herein are useful for preparation of certain anthranilamide compounds that are of interest as insecticides, such as, for example, the insecticides chlorantraniliprole and cyantraniliprole.



21: 2022/05750. 22: 2022/05/24. 43: 2024/07/25
51: B44C

71: EVA LAST HONG KONG LIMITED

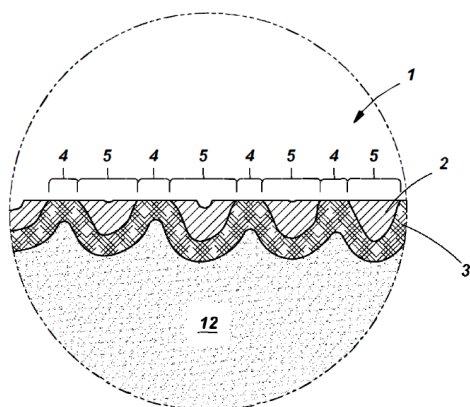
72: CHAPMAN, Wesley Raymond

33: CN 31: 11067083.9 32: 2019-10-24

54: SURFACE FINISH MANUFACTURING SYSTEM AND PROCESS

00: -

This invention relates to a surface finish manufacturing system and process and more particularly, but not exclusively, to a contrast surface finish manufacturing system and process for producing boards with a wood texture finish. The surface finish manufacturing system comprises a top layer and a bottom layer where part of the top layer is removed to expose part of the bottom layer.



21: 2022/05785. 22: 2022/05/25. 43: 2024/07/25
51: A61K; B01D; C07D

71: NUCLEAR RESEARCH AND CONSULTANCY GROUP

72: MOLENAAR, Thomas, Jacobus, Maria, DE GROOT, Sander

33: EP 31: 19218962.9 32: 2019-12-20

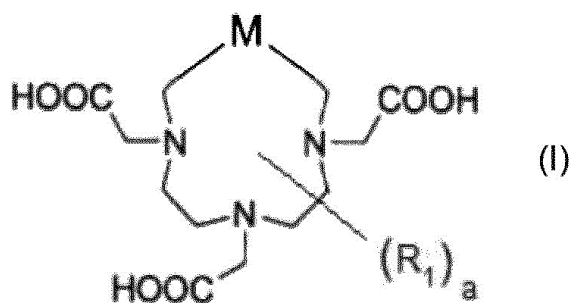
33: EP 31: 20167932.1 32: 2020-04-03

54: CHROMATOGRAPHIC SEPARATION OF METALS USING DOTA-BASED CHELATORS

00: -

The present invention relates to use of a chelating compound (I) for chromatographic separation of rare earth elements, actinides, and/ or s-, p- and d-block metals, and to a method of chromatographic separation of chelates of rare earth elements, actinides and/or s-, p- and d-block metals from a mixture of at least two metal ions. The method is characterized in that it comprises the following steps:

- (a) providing a mixture of at least two different metal ions chosen from rare earth metal ions, actinide ions and/or s-, p- and d-block metal ions, •
 - (b) contacting metal ions comprised in said mixture to with at least one compound of general formula (I) as defined in any one of the preceding claims to form chelates; •
 - (c) subjecting the chelates from step (b) to chromatographic separation, wherein optionally at least one separated metal chelate obtained in step (c) can be subjected to at least one further chromatographic separation in order to increase the purity of the at least one separated metal chelate; and, optionally, (d) obtaining the metal from the at least one separated metal chelate.
- (I)



21: 2022/06046. 22: 2022/05/31. 43: 2024/07/26
51: A24B; A24F

71: PHILIP MORRIS PRODUCTS S.A.

72: LAVANANT, Laurent, LI, Ping, ONGMAYEB, Gisèle

33: EP 31: 19206993.8 32: 2019-11-04

54: AEROSOL-GENERATING ELEMENT FOR USE IN AN AEROSOL-GENERATING ARTICLE OR SYSTEM

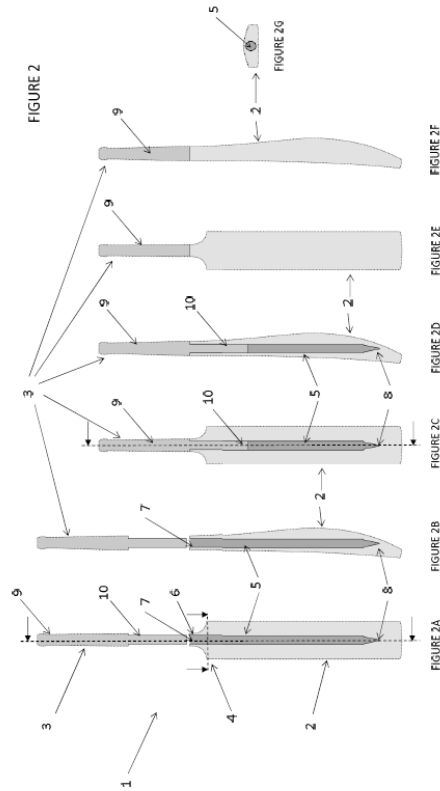
00: -

There is provided an aerosol-generating element for use in an aerosol-generating article or system. The aerosol-generating element comprises: a solid continuous matrix structure; and an aerosol-generating formulation dispersed within the solid continuous matrix structure. The aerosol-generating

formulation is trapped within the solid continuous matrix structure and releasable from the solid continuous matrix structure upon heating of the aerosol-generating element. The solid continuous matrix structure is a polymer matrix comprising one or more matrix-forming polymers, and the aerosol-generating formulation dispersed within the solid continuous matrix structure comprises at least one alkaloid or cannabinoid compound and at least 30 percent by weight of a polyhydric alcohol.

21: 2022/06243. 22: 2022/06/06. 43: 2024/06/24
 51: A63B
 71: GRAYS OF CAMBRIDGE (INTERNATIONAL) LTD
 72: JENKINS, Paul, SAVAGE, Ian, VERES, Janos
 33: GB 31: 2108109.6 32: 2021-06-07
54: CRICKET BAT
 00: -

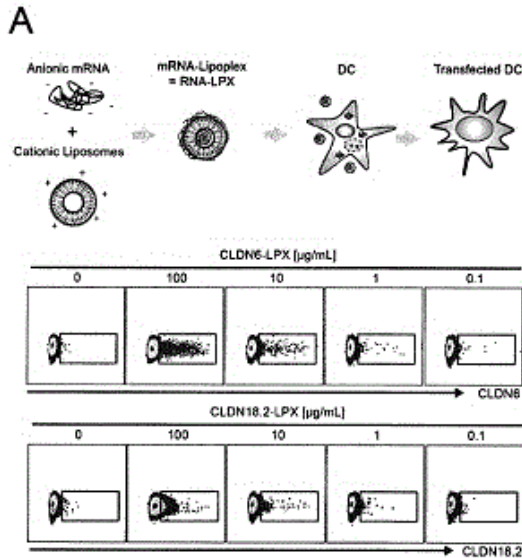
A cricket bat, the cricket bat comprising a handle and a blade. The blade comprises an opening at a first end and a cavity formed inside and enclosed within the blade and extending a predetermined length along the blade from the opening. The handle comprises a first portion configured to be held by a user and a second portion configured to be received in the opening and configured to extend at least partially along the cavity, wherein an outer surface of the second portion of the handle is fully surrounded by an inner surface of the cavity.



21: 2022/06323. 22: 2022/06/07. 43: 2024/06/27
 51: A61K; C07K; A61P; C12N
 71: BIONTECH CELL & GENE THERAPIES GMBH
 72: BILLMEIER, ARNE, BIRTEL, MATTHIAS, HAYDUK, NINA, JAHNDEL, VERONIKA, KLEIN, OLIVER, KUNA, KATHRIN, MICHEL, KRISTINA, OEHM, PETRA, OUCHAN, YASMINA, REINHARD, KATHARINA, RENGSTL, BENJAMIN, SAHIN, UGUR
 33: EP 31: PCT/EP2019/086950 32: 2019-12-23
54: TREATMENT INVOLVING IMMUNE EFFECTOR CELLS GENETICALLY MODIFIED TO EXPRESS ANTIGEN RECEPTORS
 00: -

The present disclosure relates to methods for enhancing the efficiency of therapies involving immune effector cells such as T cells engineered to express antigen receptors such as T cell receptors (TCRs) or chimeric antigen receptors (CARs). It is demonstrated herein that such antigen receptor-engineered immune effector cells, even when provided to a subject in sub-therapeutic amounts, are extremely effective in the treatment of cancer diseases, even those cancer diseases that are known to be difficult to treat with antigen receptor-engineered immune effector cells, such as solid

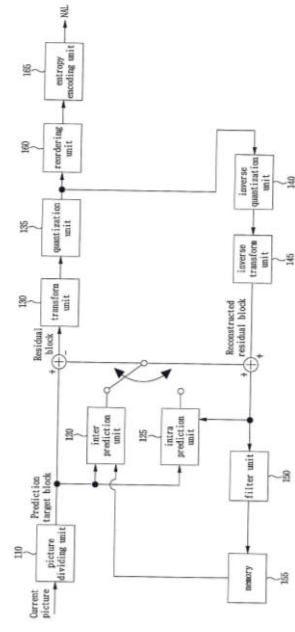
tumors or cancers, if additionally target antigen for the antigen receptor is provided to the subject. Immune effector cells may be engineered ex vivo or in vitro and subsequently the immune effector cells may be administered to a subject in need of treatment, or immune effector cells may be engineered in vivo in a subject in need of treatment.



21: 2022/07264. 22: 2022/06/30. 43: 2024/08/08
 51: H04N
 71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
 72: KIM, Ki Baek
 33: WO 31: PCT/KR2019/018740 32: 2019-12-30
 33: KR 31: 10-2018-0173164 32: 2018-12-28
 33: KR 31: 10-2018-0173228 32: 2018-12-29

54: INTRA PREDICTION-BASED VIDEO ENCODING/DECODING METHOD AND DEVICE

00: -
 A video encoding/decoding method and device according to the present invention may: determine a reference area for the intra prediction of the current block; derive the intra prediction mode of the current block; and decode the current block on the basis of the reference area and the intra prediction mode.



21: 2022/08641. 22: 2022/08/02. 43: 2024/06/04
 51: A61K; C07K
 71: THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
 72: POWELL JR, DANIEL J, TSOURKAS, ANDREW, MINUTOLO, NICHOLAS
 33: US 31: 62/965,593 32: 2020-01-24

54: QUANTITATIVE CONTROL OF ACTIVITY OF ENGINEERED CELLS EXPRESSING UNIVERSAL IMMUNE RECEPTORS

00: -
 The invention provides methods for stimulating a universal immune receptor-mediated response in a mammal using cells engineered to express a universal immune receptor that comprises an adaptor molecule, such as a SpyCatcher or a SpyTag moiety, a transmembrane domain, and an intracellular domain for T cell activation.

21: 2022/08791. 22: 2022/08/05. 43: 2024/07/31
 51: B60J
 71: MAHINDRA & MAHINDRA LIMITED
 72: DWIVEDI Satinder, VINOTH C, MANOHARAN Anbarasan, HEBBAR Vinayak, SAKTHIVEL S, PANDURANGAN Venugopal
 33: IN 31: 202141035692 32: 2021-08-06

54: A COMPOSITE TAILGATE ASSEMBLY FOR A VEHICLE AND A METHOD THEREOF

00: -
 The embodiments herein achieve a lightweight composite tailgate assembly suitable for use in

motor vehicles and the like. Further, the embodiments herein achieve the lightweight composite tailgate assembly that is corrosion resistant and having substantially reduced tooling costs as compared to conventional steel tailgates. Furthermore, the embodiments herein achieve the lightweight composite tailgate assembly which lowers the overall weight of the vehicle and improves the styling flexibility. The embodiments herein further achieve the lightweight composite tailgate assembly which is made-up of composite plastic. Additionally, the embodiments herein achieve a method of forming a lightweight composite tailgate assembly.

which is less than the minimum distance of the circumferential wall.

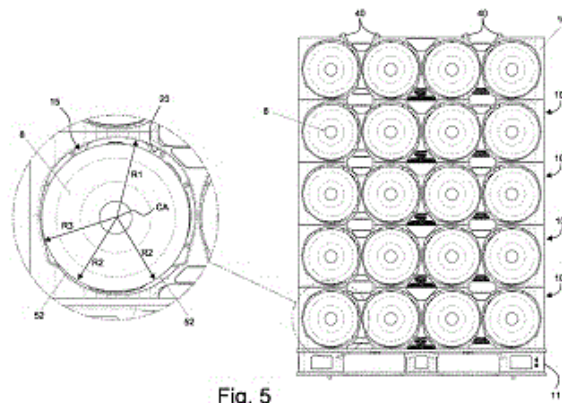
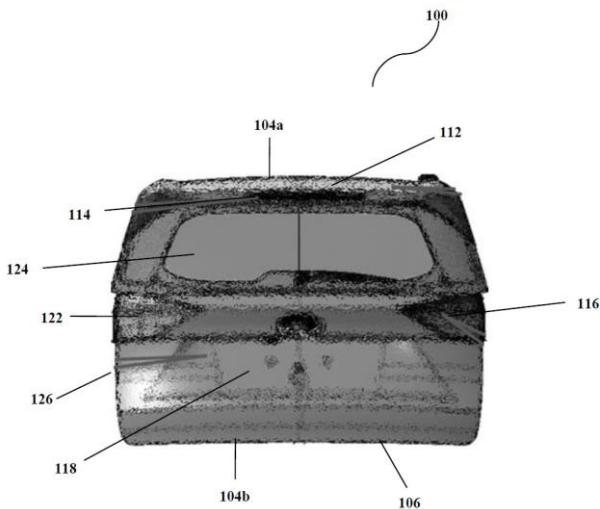


Fig. 5



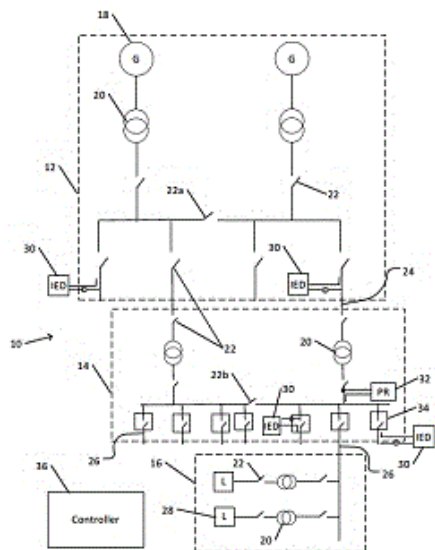
21: 2022/09834. 22: 2022/09/02. 43: 2024/06/19
 51: B65D
 71: KELLY, DANIEL
 72: KOEFELDA, GERALD, SPADAVECCHIA, JOHN
 33: US 31: 16/687,027 32: 2019-11-18

54: STORAGE UNIT WITH SUPPORT CRADLE
 00: -

A storage unit for storing one or more storable members. The storage unit includes a housing configured to support at least one storage tunnel. The storage tunnel is defined by a circumferential wall extending about a central axis with the circumferential wall having a minimum distance from the central axis. A support cradle is defined along a lower portion of the tunnel and includes at least one longitudinal rail extending parallel with the central axis. The at least one longitudinal rail has a support surface which is at a distance from the central axis

21: 2022/10968. 22: 2022/10/06. 43: 2024/06/20
 51: H02J, G01R
 71: ELSPEC ENGINEERING LTD.
 72: HARARY, YORAM, HARARY, OREN, HARARI, NADAV , LAIFER, ASAF
 33: US 31: 17/503, 265 32: 2021-10-16
54: ELECTRICAL PARAMETER MONITORING
 00: -

A method of monitoring a parameter of an electrical network includes using sensors to measure a value of a parameter of the electrical network during each sampling period within a selected time section. During each iteration of a plurality of iterations of a sliding window algorithm, wherein within each of the iterations a starting time of a sliding window of the sliding window algorithm within the selected time section is incremented by a selected increment, an average of the measured parameter values over the duration of the sliding window for each of the starting times is calculated. The duration of the sliding window in each iteration is different from the duration of sliding windows in other iterations. A representative value of the calculated averages of the parameter is calculated for each iteration. An alert is issued if indicated by the representative value.



21: 2022/10997. 22: 2022/10/07. 43: 2024/06/20
 51: B01D
 71: PROTOSTAR GROUP LTD.
 72: HASAN, TALAL , TASFAI, EHAB , MATTER, JUERG

33: US 31: 63/303,060 32: 2022-01-26
 33: US 31: 17/932,363 32: 2022-09-15
54: NANOBUBBLES AND GAS-LIQUID MIXTURES FOR ENHANCED CARBON DIOXIDE SEQUESTRATION

00: -
 The present invention discloses a novel process for the mineralization of CO₂ in mafic and ultramafic rocks or storage of CO₂ in geological formations through the generation and use of nano-sized CO₂ bubbles injected into a fluid-mixture.

21: 2022/11536. 22: 2022/10/21. 43: 2024/06/19
 51: A01H
 71: HYDRO DYNAMICS, INC.
 72: MANCOSKY, DOUGLAS, MACKAY, JOHN

33: US 31: 17/242,503 32: 2021-04-28
 33: US 31: 63/017,774 32: 2020-04-30
54: SYSTEM AND METHOD FOR TREATMENT OF PLANTS FOR SYNTHESIS OF COMPOUNDS THEREFROM

00: -
 Systems and methods for the treatment of plants, including decarboxylation, photo-oxidation, oxidation and/or combinations thereof, of cannabis and hemp plants and oils for biosynthesizing THCA, CBDA, and CBCA from CBGA are disclosed. A cannabinoid compound solution is fed into a cavitation zone of a controlled cavitation apparatus

where the cannabinoid compound solution is subjected to cavitation and interaction with UV light for conversion of the cannabinoid compound solution to form a synthesized cannabinoid THC, CBD, CBC, CBG, CBNA, CBEA, CBLA product, or combinations thereof.

21: 2022/11666. 22: 2022/10/26. 43: 2024/06/20
 51: A61K

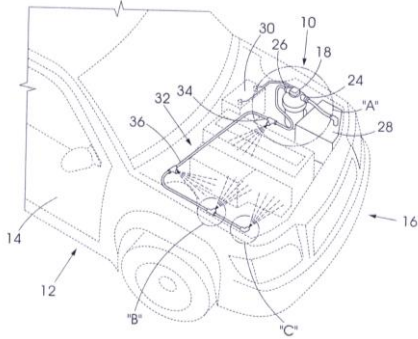
71: ADCOCK INGRAM INTELLECTUAL PROPERTY (PROPRIETARY) LIMITED
 72: MARTIN, ANTONIETTA PAMELA
 33: ZA 31: 2021/05703 32: 2021-08-12
54: GLUTARALDEHYDE COMPOSITIONS

00: -
 The invention provides a glutaraldehyde composition useful as a virucide, use of the glutaraldehyde composition to deactivate and/or destroy enveloped viruses, use of glutaraldehyde in the manufacture of a glutaraldehyde polymer complexed virucide and a process for the manufacture of a glutaraldehyde composition according to the invention.

21: 2022/11771. 22: 2022/10/28. 43: 2024/08/07
 51: B05B; B60S

71: PRETORIUS, Deniel
 72: PRETORIUS, Deniel
54: A VEHICLE CLEANING ARRANGEMENT

00: -
 The invention provides a vehicle cleaning arrangement for use with a vehicle which includes a body and a plurality of parts, the vehicle cleaning arrangement including a liquid pump which is mountable to the body and which has an inlet for receiving a liquid feed and an outlet, a first pipe with a first end which is configured to be in fluid communication with the outlet and a second end which is configured to be in fluid communication with a nozzle, and a mounting device onto which the nozzle is fixable and which includes a magnet to allow releasable placement of the mounting device onto a portion of the body such that the nozzle can spray liquid onto at least one of the plurality of parts.



21: 2022/11822. 22: 2022/10/31. 43: 2024/08/07
 51: E21D
 71: INNOVATIVE MINING PRODUCTS (PTY) LTD
 72: GREYVENSTEYN, James
 33: ZA 31: 2021/06953 32: 2021-09-20
54: CABLE ANCHOR TENSIONING ASSEMBLY
 00: -

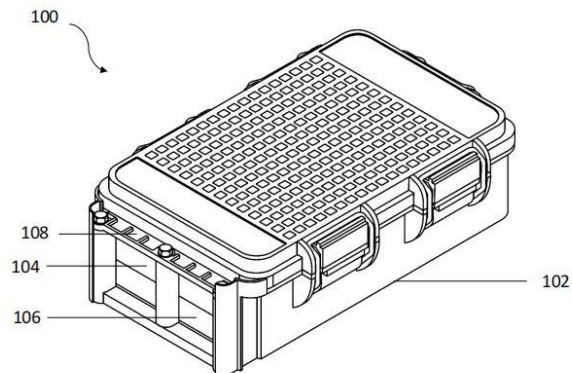
The invention provides a tensioning assembly for use in tensioning a cable anchor which includes a barrel component which extends between a first end and a second end, and which has a bore which includes a female taper; a wedge component which extends between a forward end and a trailing end, and which has a passage which extends between the ends, and which is at least partially threaded, a cone disposed towards the forward end which includes a male taper, and a torque applicator disposed towards the trailing end; and a spacer positioned between the second end of the barrel and a leading surface of the torque applicator that is adapted to collapse or break when a load of a predetermined magnitude is applied thereto; wherein, with the cone inserted within the bore, the spacer axially spaces the wedge component relatively to the barrel component to prevent the male taper from resistively engaging the female taper, to allow the assembly to move relatively to the cable anchor, when threadedly engaged thereto and when torque is applied to the torque applicator; and wherein, when the load is applied to the spacer, and the spacer collapses or breaks, the wedge component moves relatively to the barrel component to allow the male taper to resistively engaging the female taper to impart a radially compressive force on the cable anchor.

21: 2022/11997. 22: 2022/11/03. 43: 2024/08/07
 51: G02B; H01B

71: Jacob Johannes Francois Botha., Mark Thomas Kellett
 72: Jacob Johannes Francois Botha, Mark Thomas Kellett

54: A SEALING MECHANISM FOR AN ENCLOSURE

00: -
 According to a first aspect of the invention, there is provided a sealing mechanism for an enclosure, said sealing mechanism including one or more of the following: a sealing plate, a first gel-infused block, fused to an operatively upper end of said sealing plate; and a second gel-infused block. In an example embodiment of the invention, the enclosure is provided in the example form of a fibre optic splice enclosure. In this embodiment of the invention, said fibre optic splice enclosure includes one or more of the following: a dome base, a fibre management system central tower (FMSCT), one or more fibre cable splice trays, and a dome cover. In an embodiment of the invention, the sealing plate is generally rectangular in shape and includes two parallel flanges extending laterally along the middle of the sealing plate.

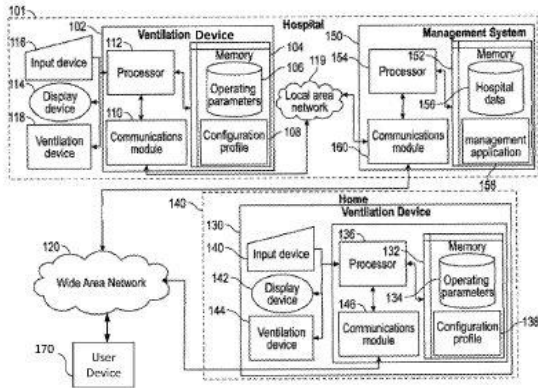


21: 2022/12361. 22: 2022/11/11. 43: 2024/06/24
 51: G16H
 71: VYAIR MEDICAL, INC.
 72: VARGA, Christopher M.
 33: US 31: 63/019,218 32: 2020-05-01

54: SYSTEM AND METHOD FOR GENERATING PATIENT-SPECIFIC VENTILATION SETTINGS BASED ON LUNG MODELING

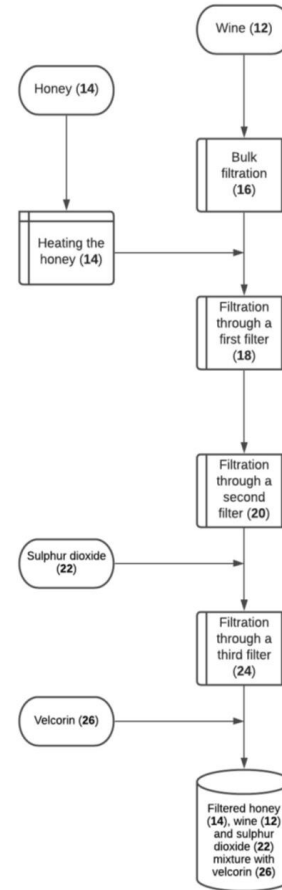
00: -
 The disclosed system and method generates a lung model based on patient data, and determines patient-specific ventilation settings for adjusting an operation of a ventilator. In this manner, the subject technology simulates flow in the lungs of COVID-19

patients to provide insights that guides improved ventilation and/or respiratory treatment strategies.



21: 2022/12366. 22: 2022/11/14. 43: 2024/08/16
 51: C12G
 71: GM GLOBAL (CHINA) LIMITED
 72: FRITH, Colin
 33: ZA 31: 2021/08969 32: 2021-11-12
54: METHOD OF PREPARING A WINE BLENDED WITH HONEY
 00: -

The invention relates to a method of preparing a wine infused with honey, said method including providing a source of wine, said source being a red wine with a tannin concentration of at least 3400 to 53800 mg per litre and filtering the wine using a bulk filtration and providing a source of honey and heating the honey to lower a viscosity of the honey and mixing the wine with the honey and filtering the honey and wine mixture through a first filter and filtering the honey and wine mixture through a second filter, having a smaller aperture than the first filter and adding sulphur dioxide (SO₂) to the honey and wine mixture and filtering the honey, wine and SO₂ mixture through a third filter and adding velcorin to the honey, wine and SO₂ mixture



21: 2022/12409. 22: 2022/11/14. 43: 2024/06/05
 51: B67D; C12C; C12G
 71: Heineken Supply Chain B.V.
 72: BROUWER, Eric Richard, BEKKERS, Augustinus Cornelius Aldegonde Petrus Albert
 33: EP(NL) 31: 20175078.3 32: 2020-05-15
54: DEVICE FOR PREPARING AND DISPENSING RECONSTITUTED BEER
 00: -

The present invention relates to a device for preparing and dispensing reconstituted beer, said device comprising: • a first vessel containing a liquid concentrate for preparing a beer; • a second vessel containing an alcoholic liquid; • a source of water; • a source of pressurized carbon dioxide; • a reconstitution unit; • a dispensing unit for dispensing the alcoholic beer; wherein the device is operable (i) to form a reconstituted beer comprising water from the source of water, carbon dioxide from the source of pressurized carbon dioxide, liquid concentrate from the first vessel and alcoholic liquid from the second vessel, in the reconstitution unit and (ii) to dispense the reconstituted beer from the dispensing

unit; wherein the liquid concentrate in the first vessel an ethanol content of 0-1 % ABV; and wherein the alcoholic liquid in the second vessel contains 12-100 wt.% ethanol and 0-88 wt.% water, ethanol and water together constituting 80-100 wt.% of the alcoholic liquid. An alternative aspect of the invention relates to a device wherein the source of water and the source of pressurised carbon dioxide are replaced by a source of carbonated water and the device is operable to form a reconstituted beer comprising water from the source of carbonated water, liquid concentrate from the first vessel and alcoholic liquid from the second vessel in the reconstitution unit. The aforementioned devices can be used to prepare a reconstituted beer of superior quality. The use of an essentially alcohol-free concentrate offers the advantage that the stability of the concentrate is substantially improved.

21: 2022/12444. 22: 2022/11/15. 43: 2024/08/08

51: B01D

71: Gideon PINTO

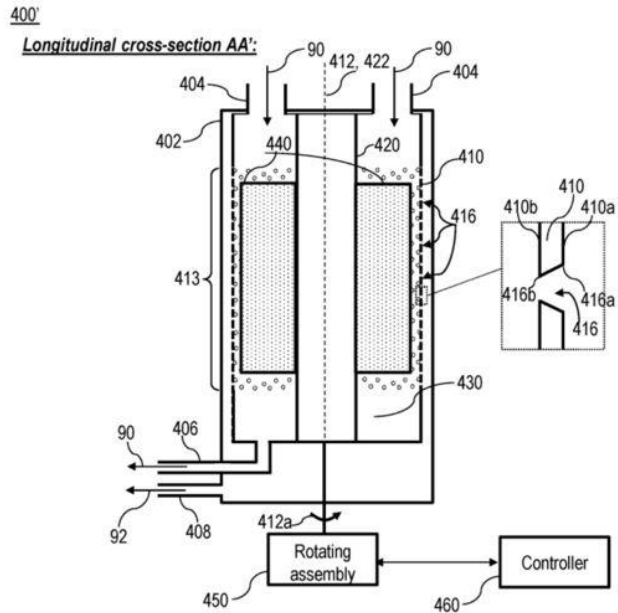
72: Gideon PINTO

33: US 31: 62/905,469 32: 2019-09-25

54: SELF CLEANING DEVICE AND METHOD FOR CONTINUOUS FILTRATION OF HIGH VISCOSITY FLUIDS

00: -

A method of continuous filtration of contaminants from a contaminated viscous fluid, the method may include: pumping the contaminated viscous fluid between a non-perforated surface being a first cylinder and a second perforated surface being a second cylinder disposed substantially parallel to each other at a defined first gap, moving the non-perforated surface and the perforated surface with respect to each other at a defined relative speed, wherein the second cylindrical body includes one or more longitudinal fins protruding from second cylindrical body into the first gap towards the perforated surface of the first cylindrical body thereby forming a second gap between the distal tips of the fins and the perforated surface, thereby forcing movement of the contaminated viscous fluid in a direction substantially parallel to the relative speed thereby generating a shear rate in the contaminated viscous fluid near the perforated surface in the direction substantially parallel to the relative speed.



21: 2022/12765. 22: 2022/11/23. 43: 2024/06/03

51: E02F

71: CATERPILLAR INC.

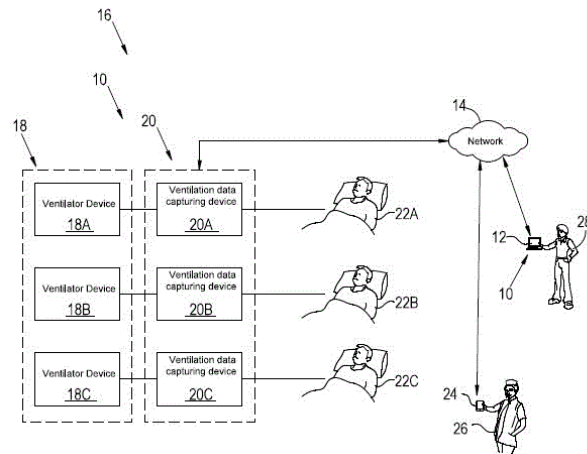
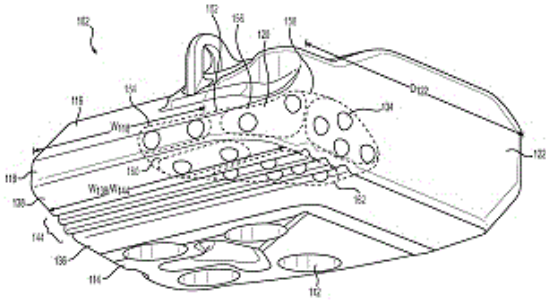
72: CONGDON, THOMAS M, BJERKE, NATHAN

33: US 31: 16/861,664 32: 2020-04-29

54: CORNER SEGMENT HAVING PROTRUSIONS ON WEAR ZONES

00: -

In one aspect, a corner segment (102), configured to be mounted to a work implement (100), may include a body (104) having a plurality of surfaces including a rear surface (148), an upper surface (116), a front surface (118), a bottom surface (136), an outer side surface (122), an inner side surface (150), and a corner surface (120) that is adjacent to each of the front surface, the outer side surface, the upper surface, and the bottom surface. A portion of the bottom surface forms a bottom surface wear zone (160, 162), and a portion of the front surface forms a front surface wear zone (154). The corner segment may also include a plurality of protrusions (154) provided on wear zones, the wear zones including the bottom surface wear zone and the front surface wear zone.



21: 2022/13027. 22: 2022/11/30. 43: 2024/06/24
51: A61B; A61M

71: NORTH-WEST UNIVERSITY

72: GROBLER, Magdalena Johanna, MARAIS, Henri-Jean, VAN KAMPEN, Bas Derk

33: ZA 31: 2020/02432 32: 2020-05-05

54: VENTILATION MONITORING METHOD AND SYSTEM THEREFOR

00: -

The invention relates to a ventilation monitoring system comprising a ventilation data capturing device connected between a patient and a ventilator device dedicated to the patient, for collecting ventilation data between the patient and ventilator device; an on-site device; a remote device for communicating with the ventilation data capturing device and the on-site device; at least one processor; and at least one memory device coupled to the at least processor configured to: collect ventilation data from the ventilation data capturing device; transmit the collected ventilation data to the remote device/server for analysis; and generate output data comprising the instructions/commands for actioning on the ventilator device, to provide suitable ventilation support to the patient, or generate output data comprising the status of the ventilator device associated with the ventilation data capturing device.

21: 2022/13152. 22: 2022/12/05. 43: 2024/06/03
51: A61K; A61P; C07D

71: Ildong Pharmaceutical Co., Ltd.

72: YOON, Hong Chul, PARK, Joon Tae, LEE, Jung Woo, AN, Kyung Mi, IM, A Rang, JEON, Woo Jin, HEO, Jae Ho, HONG, Chang Hee, PARK, Jung Eun, SOHN, Te Ik, HONG, Da Hae, KIM, Jung Ho, SHIN, Jae Eui, YOO, Yeong Ran, CHANG, Min Whan, JE, In Gyu, KANG, Su Yeon, SONG, Yoon Sung, LEE, Joo Yun

33: KR 31: 10-2020-0073900 32: 2020-06-17

54: NOVEL ACID SECRETION INHIBITOR AND USE THEREOF

00: -

The present invention provides a novel compound represented by chemical formula 2, or a pharmaceutically acceptable salt thereof. The novel compound according to the present invention exhibits an excellent acid secretion inhibitory effect.

21: 2022/13273. 22: 2022/12/07. 43: 2024/06/19
51: A23K; C12P; C12N; A23J

71: PRAIRIE AQUATECH LLC

72: HARSTAD, DENNIS, NATES, SERGIO F

33: US 31: 17/093,557 32: 2020-11-09

33: US 31: 63/039,694 32: 2020-06-16

33: US 31: 63/036,274 32: 2020-06-08

33: US 31: 63/035,797 32: 2020-06-07

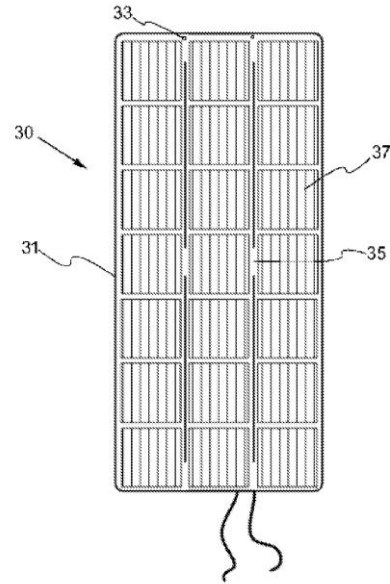
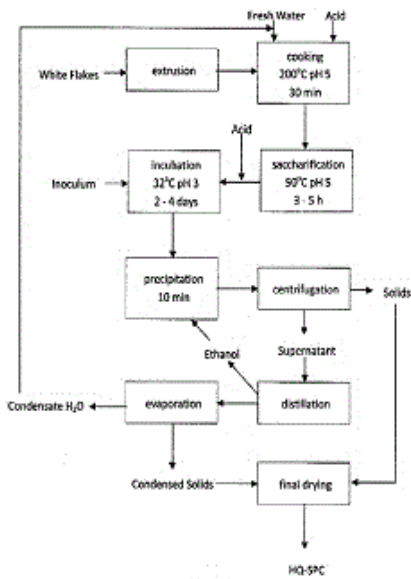
33: US 31: 63/052,745 32: 2020-07-16

54: MICROBIAL-BASED PROCESS FOR IMPROVED QUALITY PROTEIN CONCENTRATE

00: -

The present invention describes a bio-based process to produce high quality protein concentrate (HQPC) by converting plant derived celluloses and carbohydrates into bioavailable protein via aerobic

incubation, including the use of such HQPC so produced as a nutrient, including use as a fish meal replacement in aquaculture diets.



21: 2022/13498. 22: 2022/12/13. 43: 2024/07/31
 51: B60H; B60P; B65D; F28D
 71: LIKUA ENDUSTRIYEL AMBALAJ MALZM. SAN. VE TIC. LTD. STI.
 72: KOHEN, Yusuf
 33: TR 31: 2020/14636 32: 2020-09-15

54: A HEATING UNIT

00: -
 The present invention relates to a heating unit (30) for heating carrying chambers (20) wherein fluid can be stored and which can carry fluid from one location to another location by means of a vehicle. The improvement is that the subject matter heating unit (30) comprises at least one flexible body (31) wherein hot vapor can be filled, and at least one support element (37) positioned in said flexible body (31); in order to be positioned between the carrying chamber (20) and the inner wall of the container (10).

21: 2022/13713. 22: 2022/12/19. 43: 2024/06/20
 51: H04B

71: EUTELSAT S A
 72: HIRSCH, ANTONIN, BRICHLER, GEOFFROY, COLLARD, FLORIAN

54: METHODS FOR THE TRANSMISSION OF DATA BETWEEN A RESOURCE-CONSTRAINED DEVICE AND A NON-GEOSTATIONARY SATELLITE AND ASSOCIATED SYSTEM

00: -
 The invention relates to a method for the transmission to a non-geostationary satellite of data stored by a ground-based device being carried out by the device and comprising: Entering an awoken mode, Performing successive Doppler shift estimations: Receiving, by the device during the awoken mode, a signal from the satellite comprising a frequency parameter and an elevation emission criterion, Performing a Doppler shift estimation based on the frequency of the received signal; Estimating a Doppler rate of frequency change to obtain a relative position of the device, Defining a transmission window during which the position of the device relative to position of the satellite verifies the elevation emission criterion, If the position of the device relative to the position of the satellite verifies the elevation emission criterion: Emitting at the frequency parameter a signal comprising the data stored by the device.

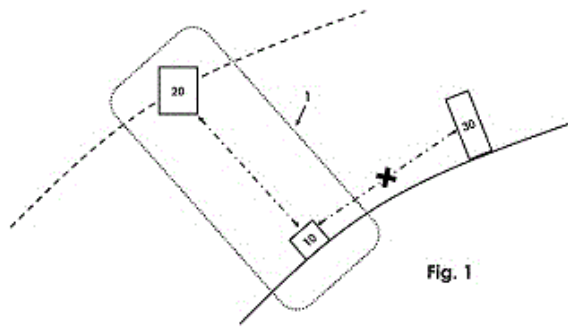


Fig. 1

21: 2023/00168. 22: 2023/01/03. 43: 2024/06/04

51: C22B

71: Yeda Research and Development Co. Ltd.

72: LUBOMIRSKY, Igor, KAPLAN, Valery

33: US 31: 63/046,727 32: 2020-07-01

54: RECOVERY OF RARE EARTH METALS FROM FERROMAGNETIC ALLOYS

00: -

This invention is directed to methods for recovery of at least one rare earth metal from ferromagnetic alloy, including a chlorination of the rare earth metal following by separation of the chlorinated product.

21: 2023/00835. 22: 2023/01/18. 43: 2024/06/04

51: B08B

71: Sidel Participations

72: WAELDIN, Jean-Claude

33: FR 31: 2007605 32: 2020-07-20

54: DEVICE AND METHOD FOR INSPECTING CONTAINERS IN A CLEANING FACILITY

00: -

The present invention relates to an inspection device (5) for inspecting containers (1) in a cleaning facility (2), comprising a reagent injection station (6) and an analysis station (7) for analysing the inside of each container (1) with an analysis head (70) provided with a probe (71), a conveyor (8) transporting boxes (3) containing the containers (1) in a direction of travel through the injection station (6) and then the analysis station (7), characterised in that the analysis head (70) is able to move relative to the conveyor (8). The invention also relates to a cleaning facility (2) comprising a receiving surface (4) for receiving the boxes (3), the inspection device (5), a washing station (9) and a transfer station (10) for transferring the containers (1) to the washing station (9), characterised in that the receiving surface (4) comprises a conveyor (8) shaped to receive and transport the boxes (3) through the

inspection device (5) to the transfer station (10). The invention also relates to a corresponding method for inspecting containers (1), in which the compliance of the containers (1) is inspected directly inside each box (3).

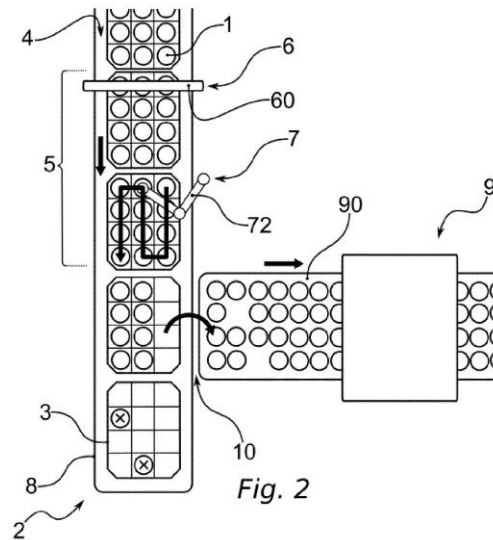


Fig. 2

21: 2023/01007. 22: 2023/01/24. 43: 2024/06/04

51: G06Q

71: AFONSO, Clinton

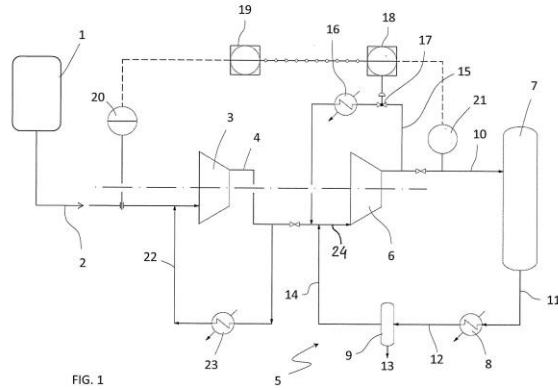
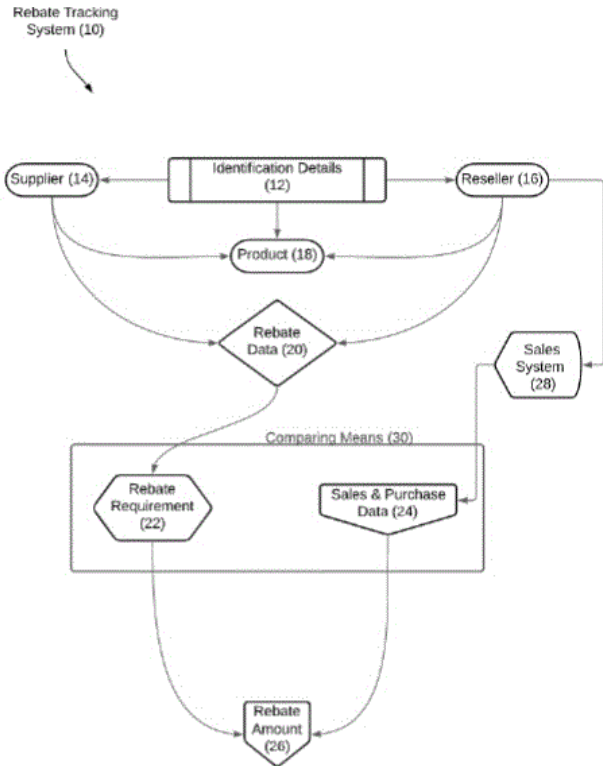
72: AFONSO, Clinton

33: ZA 31: 2021/10698 32: 2021-12-21

54: A REBATE TRACKING SYSTEM

00: -

A rebate tracking system 10 capable of carrying out the following steps: - receiving and storing the following inputs: - identification details 12 of a supplier 14, a reseller 16, and a product 18 supplied by the supplier 14 to the reseller 16, and rebate data 20 relating to the product 18, the rebate data 20 including a rebate requirement 22 to be met in order for the reseller to qualify for a rebate on the product 18, determining whether the rebate requirement 22 has been met by the reseller 16, and calculating and storing a rebate amount 26 owed to the reseller 16 by the supplier 14, when the rebate requirement 22 is met.



21: 2023/01048. 22: 2023/01/24. 43: 2024/06/04
 51: A23F; A23L
 71: Givaudan SA
 72: DE SOUZA CUNHA, Luciana Andreia, MAGALHAES DE MELLO, Fabio, CHEVALIER, Karl
 33: GB 31: 2012338.6 32: 2020-08-07
54: EXTRACTION METHOD

00: -
 The present invention relates to the methods for extraction of natural caffeine from caffeine containing biological material.

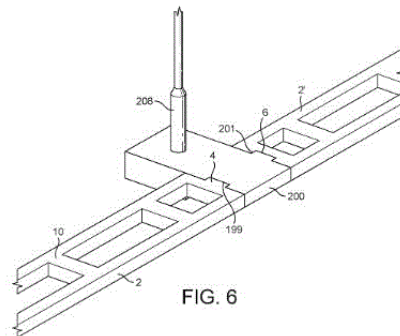
21: 2023/01051. 22: 2023/01/24. 43: 2024/06/04
 51: C01C
 71: Casale SA
 72: RIZZI, Maurizio
 33: EP(CH) 31: 20204831.0 32: 2020-10-30
54: CONTROL OF AN AMMONIA SYNTHESIS LOOP AT PARTIAL LOAD

00: -
 A process for synthesis of ammonia wherein an ammonia synthesis loop includes an ammonia converter where a makeup gas is reacted to form ammonia, and the loop is controlled at a partial load by reducing the synthesis pressure and maintaining the reduced pressure within a desired range by controlling a bypass line of make-up gas of the converter.

21: 2023/01102. 22: 2023/01/26. 43: 2024/07/12
 51: E01F

71: PETTERS, Karl
 72: PETTERS, Karl
 33: GB 31: 2011827.9 32: 2020-07-30
54: SYSTEM, APPARATUS AND METHOD FOR INSTALLATION OF STREET FURNITURE

00: -
 Disclosed is a pre-fabricated modular system for installation of both a vehicle restraint system and at least one item of street furniture; the system comprising at least one pre-fabricated foundation module comprising a plurality of attachment points for securely attaching a vehicle restraint system to the foundation module; and at least one pre-fabricated extension module, which comprises one or more attachment points for securely attaching at least one item of street furniture to the extension module; and wherein the extension module and the foundation module comprise cooperating surfaces such that the respective modules can be placed in frictional engagement with one another.



21: 2023/01119. 22: 2023/01/26. 43: 2024/06/03
 51: B01D

71: CATERPILLAR INC.

72: IMMEL, JON T, OEDEWALDT, STEPHEN E, RIES, JEFFREY R, POTTS, GREGORY O, EVERY, JOSEPH J, MOREHOUSE III, DARRELL L, SPENGLER, PHILIP C

33: US 31: 16/918,142 32: 2020-07-01

54: INTEGRAL FILTER ENDCAP, MOLD, AND SEAL

00: -

An integrated seal member (300a) includes an at least partially annular body defining a longitudinal axis (216a), a radial direction (218a), and a circumferential direction (217). The at least partially annular body includes a top annular mounting portion (324c), a sealing portion (302a) including at least one top sealing feature (343) and at least one bottom sealing feature (336), and a connecting portion (318a) that extends at least radially outwardly from the top annular mounting portion (324c) to the sealing portion (302a).

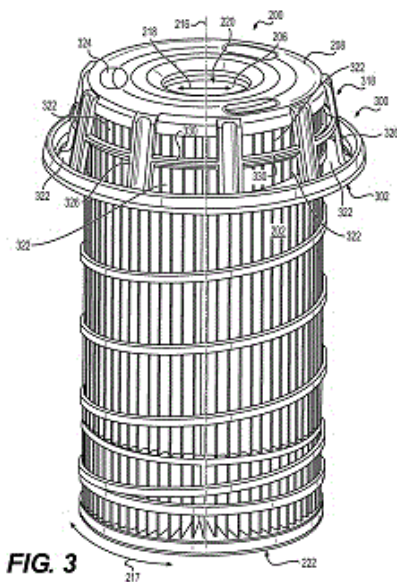


FIG. 3

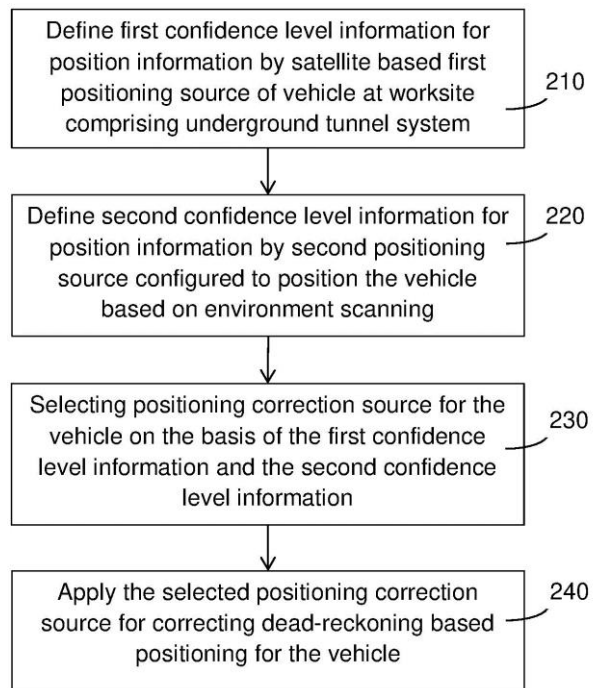
21: 2023/01284. 22: 2023/01/31. 43: 2024/05/28
51: G01C; G05D

71: Sandvik Mining and Construction Oy
72: TARIQ, Usama, HÄMÄLÄINEN, Jyrki
33: EP(FI) 31: 20193816.4 32: 2020-09-01
54: UNDERGROUND WORKSITE VEHICLE POSITIONING CONTROL

00: -

According to an example aspect of the present invention, there is provided a method, comprising: defining first confidence level information for position information by a satellite based first positioning

source of a vehicle at a worksite comprising an underground tunnel system, defining second confidence level information for position information by a second positioning source configured to position the vehicle based on environment scanning, selecting a positioning correction source for the vehicle on the basis of the first confidence level information and the second confidence level information, and applying the selected positioning correction source for correcting dead- reckoning based positioning for the vehicle.



21: 2023/01370. 22: 2023/02/02. 43: 2024/06/05
51: G02B

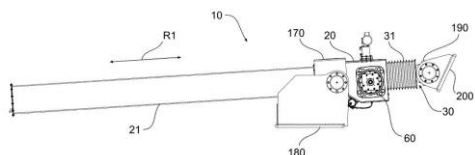
71: OHB Digital Connect GmbH, Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.
72: SÜSS, Martin, ZIMMERER, Thomas, WIECHING, Gundolf

54: ELECTRO-MECHANICAL LINEAR DRIVE UNIT FOR PRECISE POSITIONING E.G. OF A LARGE REFLECTOR USED IN RADIO ASTRONOMY OR OF A COMMUNICATION ANTENNA

00: -

The invention relates to a linear drive unit comprising a first and second actuator element, a guiding unit configured to enable a linear relative movement between both actuator elements, a first and second power unit, each attached to the first actuator

element and configured to provide the second actuator element with a respective first and second driving force, and a control unit for controlling both power units and configured to control the first and second driving force such that the first driving force can be different from the second driving force. The invention further relates to a telescope comprising a linear drive unit as well as to a method of aligning such telescope.



21: 2023/01383. 22: 2023/02/02. 43: 2024/06/19
51: A61K

71: QUINCY BIOSCIENCE, LLC

72: UNDERWOOD, MARK Y

33: US 31: 63/068,084 32: 2020-08-20

54: EFFERVESCENT FORMULATION CONTAINING APOAEQUORIN

00: -

This invention relates generally to compositions useful for the maintenance of calcium homeostasis. In particular, this invention is directed to apoeaquin-containing effervescent compositions useful in preventing and/or alleviating diseases or symptoms associated with calcium imbalance. Certain embodiments of the invention further contain active ingredients including at least one stimulant (e.g., caffeine) and/or vitamin D.

21: 2023/01855. 22: 2023/02/15. 43: 2024/07/11

51: H03H; H04R; G06N

71: THAT CORPORATION

72: BARNHILL, Matthew, S.

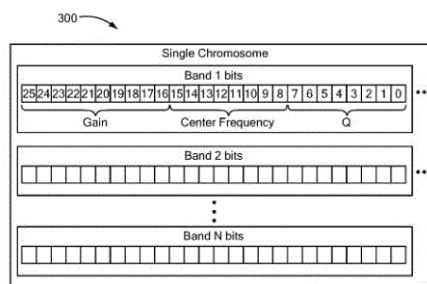
33: US 31: 63/089,929 32: 2020-10-09

54: GENETIC-ALGORITHM-BASED EQUALIZATION USING IIR FILTERS

00: -

Systems and methods utilize a modified genetic algorithm for adapting an off-the-shelf audio system, such as in a high-end television, to a given, particular room or other physical location presenting a specific or unique auditory environment with a set of acoustic properties. An audio system is adapted to a given room by determining an HR based EQ

solution via iterative techniques, including an iterative technique based upon a genetic algorithm adapted for an audio frequency response equalization application. In a variant, an audio system is adapted to a particular room, adjust the EQ across a microphone's bandwidth while preserving the factory-calibrated EQ response across the remaining bandwidth.



21: 2023/01935. 22: 2023/02/16. 43: 2024/06/07

51: D21F; D21H

71: BUCKMAN LABORATORIES INTERNATIONAL, INC.

72: GLOVER, Daniel, CARTER, John, GLOVER, Bryan, CHARRON, Remi, CHRISTOPHER, Mark

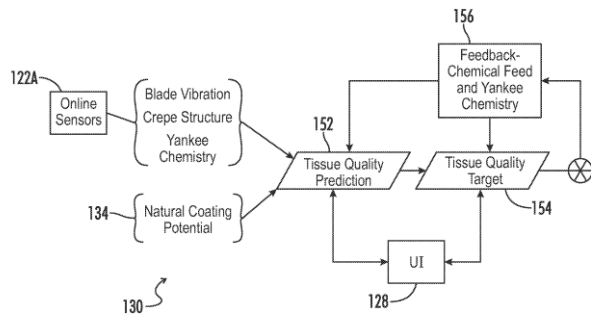
33: US 31: 63/071,189 32: 2020-08-27

54: PREDICTIVE CONTROL OF YANKEE DRYER CHEMISTRY AND CREPED PRODUCT QUALITY

00: -

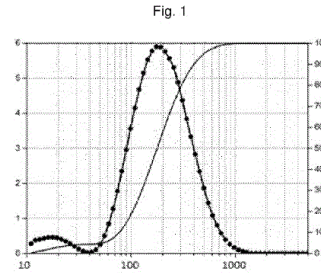
A system and method are provided for proactive process intervention in manufacturing creped products via a chemical feed stage (108) and a Yankee dryer stage. The method includes generating signals from a plurality of online sensors, corresponding to directly measured variables for respective process components such as, e.g., pH, conductivity, and Yankee blade vibration. Models are developed including retrievable information relating combinations of certain directly measured variables to respective quality characteristics of the creped product. The method further includes indirectly determining quality characteristics (e.g., softness, bulk) for the creped product, substantially in real time, based on, e.g., signals corresponding to directly measured variables, and optionally a predicted natural coating potential. An output feedback signal is automatically generated corresponding to a detected intervention event based on the indirectly determined one or more quality characteristics and respective predetermined targets. The feedback signal may automatically

regulate chemistry feed characteristics, substantially in real time.



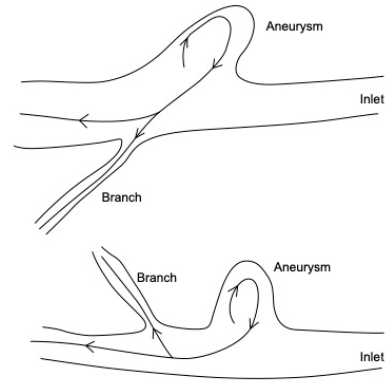
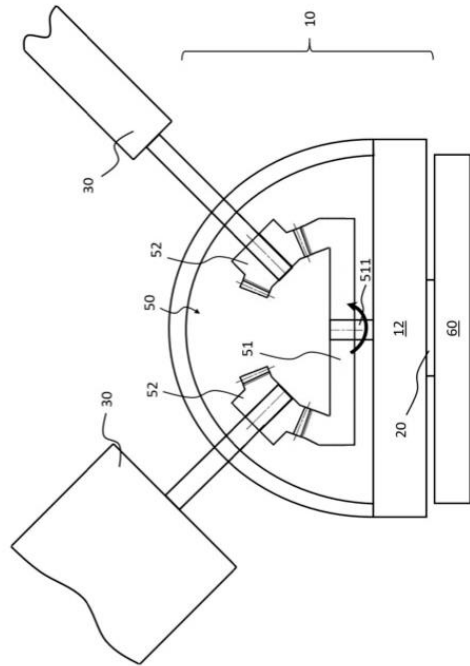
21: 2023/01985. 22: 2023/02/17. 43: 2024/07/11
 51: B02C; C01G
 71: FRAS-LE S.A.
 72: CARDOSO TEIXEIRA DE ALBUQUERQUE FERREIRA, Cesar Augusto, BOARETTO, Joel, DUDLEY CRUZ, Robinson Carlos
 33: BR 31: BR 10 2020 016774 0 32: 2020-08-17
54: PREPARATION OF NIOBIUM NANOPARTICLES, USE AND METHOD FOR OBTAINING SAME

00: -
 The present invention describes a preparation of niobium nanoparticles, related use, and a method for obtaining same by comminution, i.e. a top-down process. The nanoparticle preparation according to the invention resolves these and other problems, has special properties with respect to composition, purity, granulometric profile and specific surface area, and can be used in a range of applications. The invention also discloses a method for obtaining nanoparticles from mineral species containing niobium, by means of controlled comminution with no chemical reactions or contamination with reagents typical of nanoparticle synthesis. The present invention, in broad contrast with the prior art, enables the large-scale obtention of nanoparticles of niobium pentoxide of high purity, with a given granulometric profile and a very high specific surface area, enabling the practical use thereof in various industrial applications.



21: 2023/01988. 22: 2023/02/17. 43: 2024/07/15
 51: B63H; B64C; F03B; F03D
 71: CHENNUPATI, Siva Raghuram Prasad
 72: CHENNUPATI, Siva Raghuram Prasad
54: UNIVERSAL PROPELLER, OPERATING METHOD AND FAVOURED USES

00: -
 The present invention relates to a novel universal propeller (1) that is distinguished from generic propellers (1) by the fact that arranged on each rotor blade (30) there is a gearwheel (52) that is directly operatively connected to a reference gearwheel (51) of the timing gear (50), the timing gear (50) is operatively connected to a hub gear (12), wherein the hub gear (12) is configured to sense and process an angular velocity ω_n of a rotational movement of the hub (10), and the reference gearwheel (51) and the gearwheels (52) of the rotor blades (30) of the timing gear (50) are designed in such a way that the ratio of an angular velocity ω_r of the reference gearwheel (51) to the angular velocity ω_n of the rotational movement of the hub (10) is as follows: $\omega_r / \omega_n = 1 \pm (1/2) * (S_{rot} / S_r)$, where S_{rot} = size of the gearwheels (52) of the rotor blades (30), and S_r = size of the reference gearwheel (51). The present invention is suitable, in particular, for use in a wind power installation, hydropower installation or an engine of a ship or an aircraft



21: 2023/01989. 22: 2023/02/17. 43: 2024/07/15
 51: A61F; G16H
 71: YOUSEFIROSHAN, Hamed
 72: YOUSEFIROSHAN, Hamed
54: METHOD AND SYSTEM OF SIMULATIONS FOR PERSONALIZED BRAIN TREATMENTS
 00: -
 Systems and methods provide a novel approach for decision making and planning of neurovascular treatments and high-fidelity outcome prediction of every potential treatment. The invention, particularly, uses the clinical data of the patients for a personalized treatment planning and simulation in which a personalized anatomical model of the patient is constructed virtually, neurovascular device implantation may be done virtually and by simulation, a computational fluid dynamics (CFD) simulation is done, and finally by using some post-processing parameters, indices and principles a prediction is made regarding the outcome of each potential treatment. The system comprises one or more processors to receive patient-specific data regarding a geometry of an anatomical structure of the patient and to simulate deployments of different neurovascular devices and their corresponding hemodynamics in anatomical structure models and to generate a report for each potential deployment.

21: 2023/01991. 22: 2023/02/17. 43: 2024/07/05
 51: G05D; G06F; H01L
 71: JDI DESIGN INC.
 72: VAN WIJK, Adrian, RADOSEVIC, Nikolas (Deceased)
 33: US 31: 63/075,037 32: 2020-09-04
54: SYSTEM AND METHOD FOR TRANSFERRING THERMAL ENERGY FROM INTEGRATED CIRCUITS

00: -
 A system and method for cooling and transferring waste heat from integrated circuits to an appliance where the transfer of heat would otherwise be impeded by a diminishing or changing temperature gradient. There may be an enclosure having integrated circuits therein, and a first fluid circuit configured for removing waste heat from the integrated circuits; and inlet for connection from an external water tank and an outlet for connection to the external water tank, that when connected with the external water tank forms a second fluid circuit; a heat exchanger operatively connected to the first fluid circuit and the second fluid circuit, and configured to transfer thermal energy therebetween; and a control for regulating a temperature gradient and a flow rate in one or each of the first and second fluid circuits, such that both a desired integrated circuit operating temperature and a desired appliance temperature is achieved. In an embodiment, a network of connected data processing boxes each embodying a system are co-located with heated appliances in a plurality of locations to form a power efficient distributed computing network.

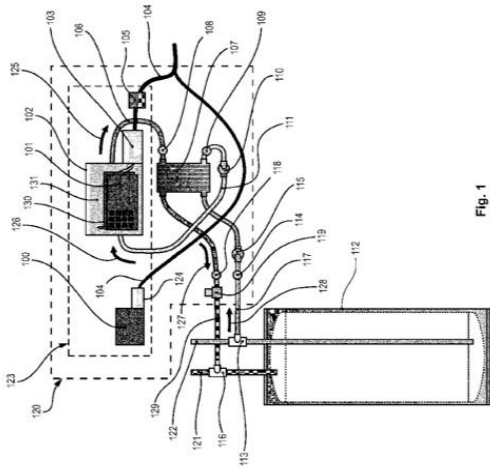


Fig. 1

21: 2023/02147. 22: 2023/02/21. 43: 2024/07/05
51: H04W

71: ZTE CORPORATION

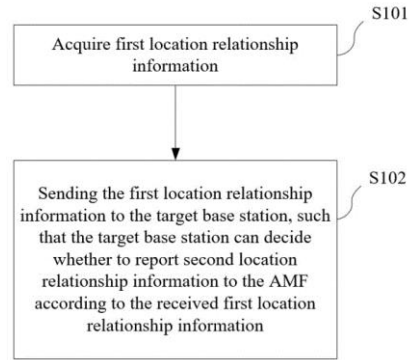
72: SUN, Yawen

33: CN 31: 202011336710.3 32: 2020-11-25

54: LOCATION INFORMATION PROCESSING, REPORTING METHOD, BASE STATION DEVICE AND COMPUTER STORAGE MEDIUM

00: -

A location information processing method, a reporting method, a base station device, and a computer storage medium. The location information processing method comprises: acquiring first location relationship information (S101), the first location relationship information being location relationship information reported by a source side base station to a mobility management network element for the last time; and sending the first location relationship information to a target side base station, so that the target side base station decides according to the received first location relationship information whether to report second location relationship information to the mobility management network element (S102), wherein the second location relationship information is location relationship information acquired by a target terminal for the first time after switching to the target side base station, and the location relationship information is a relationship between the terminal location of the target terminal and a region of interest of a core network.



21: 2023/02240. 22: 2023/02/22. 43: 2024/07/05

51: B29C; B32B

71: BELRON INTERNATIONAL LIMITED

72: SYFKO, Paul

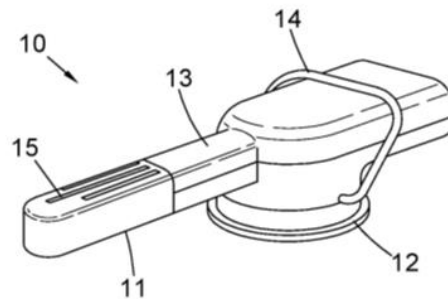
33: GB 31: 1715588.8 32: 2017-09-26

33: GB 31: 1717463.2 32: 2017-10-24

54: CURING REPAIR RESIN

00: -

The present invention provides a repair resin composition for repairing breaks in a vehicle windscreen and curing units for curing the repair resin after it has been inserted into the break. The present invention also provides a method of repairing a vehicle windscreen, comprising inserting a resin into a repair zone, wherein the resin comprises a photoinitiator that activates when exposed to light of an activation wavelength, wherein the activation wavelength is between 370nm and 425nm, and curing the resin by emitting light including light within the activation wavelength range onto the repair zone.



21: 2023/02241. 22: 2023/02/22. 43: 2024/07/05

51: B29C; B32B

71: BELRON INTERNATIONAL LIMITED

72: SYFKO, Paul

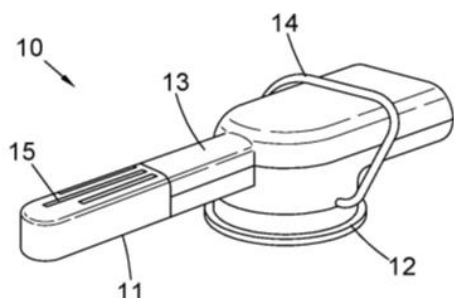
33: GB 31: 1715588.8 32: 2017-09-26

33: GB 31: 1717463.2 32: 2017-10-24

54: CURING REPAIR RESIN

00: -

The present invention provides a repair resin composition for repairing breaks in a vehicle windscreen and curing units for curing the repair resin after it has been inserted into the break. The present invention also provides a method of repairing a vehicle windscreen, comprising inserting a resin into a repair zone, wherein the resin comprises a photoinitiator that activates when exposed to light of an activation wavelength, wherein the activation wavelength is between 370nm and 425nm, and curing the resin by emitting light including light within the activation wavelength range onto the repair zone.



21: 2023/02763. 22: 2023/02/27. 43: 2024/07/11

51: B01D; G01N; H01J

71: REGENERON PHARMACEUTICALS, INC.

72: WANG, Shunhai, YAN, Yuetian

33: US 31: 62/907,465 32: 2019-09-27

54: HYDROPHOBIC INTERACTION CHROMATOGRAPHY-COUPLED NATIVE MASS SPECTROMETRY FOR ANTIBODY ANALYSIS

00: -

The present invention provides rapid, sensitive high-throughput methods and systems for characterizing peptides or proteins using hydrophobic interaction chromatography-coupled native mass spectrometry to improve manufacturing process of biopharmaceutical products, such as identifying impurities during antibody purification, monitoring post-translational modification variants during production, or characterizing drug-to-antibody ratio of antibody-drug conjugates. The separation profiles of the peptides or proteins are generated and compared to identify or qualify the peptides or proteins.



21: 2023/02909. 22: 2023/02/27. 43: 2024/06/04

51: C07D

71: ChemoCentryx, Inc.

72: LI, Shijie, SINGH, Rajinder, SCHALL, Thomas J., STAEHR, Peter

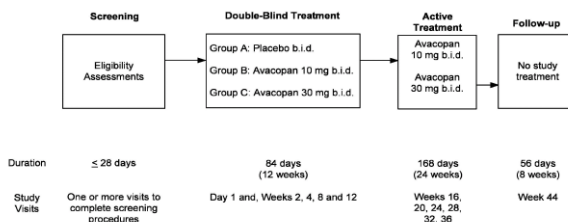
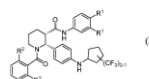
33: US 31: 63/106,557 32: 2020-10-28

33: US 31: 63/106,858 32: 2020-10-28

54: METHODS OF TREATING HIDRADENITIS SUPPURATIVA

00: -

Provided herein are methods for treating a subject suffering from a cutaneous neutrophilic inflammatory disease comprising administering to a subject in need thereof a therapeutically effective amount of a compound of Formula I or a pharmaceutically acceptable salt thereof, wherein each variable position is as defined herein. In some embodiments, the cutaneous neutrophilic inflammatory disease is Hidradenitis suppurativa (HS).



21: 2023/03162. 22: 2023/02/28. 43: 2024/07/11

51: A61K; A61P

71: OAK HILL BIO LIMITED

72: SALAMAT-MILLER, Nazila, TAYLOR, Katherine, HE, Bing, BHATTACHARYA, Indranil, HAN, Linda, AMSDEN, Benita, KRANZ, James

33: US 31: 63/093,696 32: 2020-10-19

54: COMPOSITIONS SUITABLE FOR USE IN NEONATES

00: -

The present invention provides stable, pure and potent compositions optimized for administration to neonates and/or preterm infants, and use of the same in methods for treating intraventricular hemorrhage (IVH), bronchopulmonary dysplasia (BPD), and/or chronic lung disease of prematurity (CLD), comprising administering to a subject in need of treatment a pharmaceutical composition comprising insulin-like growth factor- 1 (IGF-1) and insulin-like growth factor binding protein-3 (IGFBP-3), and a polysorbate 20 surfactant at high effective doses in low volumes in an infant resulting high serum IGF-1 exposure and treatment of IVH, BPD and/or CLD. In some aspects, provided herein are methods for manufacturing the compositions comprising a single-use bag, wherein the compositions have improved stability, reduced oxidation and increased potency. In some aspects, the methods provided result in reduced incidence of symptoms and features of intraventricular hemorrhage, bronchopulmonary dysplasia, right ventricular hypertrophy (RVH), pulmonary hypertension (PH), necrotizing enterocolitis, or chronic lung disease of prematurity.

21: 2023/03223. 22: 2023/03/01. 43: 2024/07/04

51: B67D

71: HENRY, Darren Sean

72: HENRY, Darren Sean

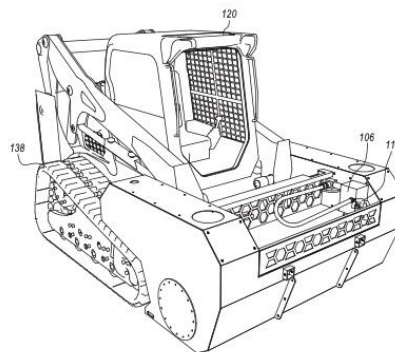
33: US 31: 17/857,358 32: 2022-07-05

54: LIQUID STORAGE TANK THAT IS REVERSIBLY RIDIDLY ATTACHABLE TO THE LIFT ARMS OF A SKID STEER OR TRACK LOADER

00: -

This invention is a specially designed and shaped liquid storage tank that attaches directly to the lift arms of the skid steer or track loader. The storage tank holds a portion of the weight of the liquid in the storage tank directly over the tank treads or caterpillar tracks of the skid steer thereby greatly improving the stability of the skid steer to allow successful navigation of very rugged terrain even with a full load of liquid in the storage tank. At least thirty percent of the storage capacity of the storage tank is positioned behind the attachment plate or quick attachment plate of the skid steer or track

loader. The invention may include a hydraulic water pump which can be used to spray water from the storage tank to fight wildfires. The invention may include a hydraulic power generator. The invention may include a fuel pump.



21: 2023/03233. 22: 2023/03/01. 43: 2024/06/07

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: THANGARASA, Santhan, SHREEVASTAV, Ritesh, KAZMI, Muhammad, Ali, UESAKA, Kazuyoshi, CHEN, Jie, ZHANG, Liping, YAVUZ, Emre

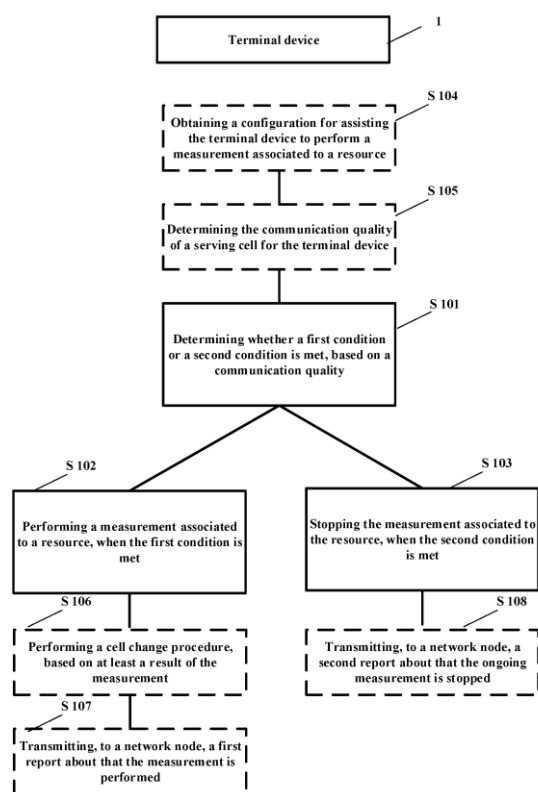
33: CN 31: PCT/CN2020/107504 32: 2020-08-06

33: CN 31: PCT/CN2020/110093 32: 2020-08-19

54: METHOD AND APPARATUS FOR PERFORMING MEASUREMENT ASSOCIATED TO RESOURCE

00: -

Embodiments of the present disclosure provide methods and apparatus for performing a measurement associated to a resource. A method performed at a terminal device comprises determining (S101) whether a first condition or a second condition is met, based on a communication quality; and performing (S102) a measurement associated to a resource, when the first condition is met, or stopping (S103) the measurement associated to the resource, when the second condition is met. According to embodiments of the present disclosure, the measurement may be performed or stopped under a first condition or a second condition. The relevant time and power may be saved.



21: 2023/03348. 22: 2023/03/06. 43: 2024/07/11
 51: B01J; C07C; C22B
 71: AVANTIUM KNOWLEDGE CENTRE B.V.
 72: ANSOVINI, Davide, MCKAY, Benjamin, SINGH, Jagdeep
 33: EP 31: 20198772.4 32: 2020-09-28
54: PROCESS FOR RECOVERING AND REGENERATING A CATALYST FROM ASH
 00: -

A process for recovering and regenerating a tungsten compound suitable as co-catalyst in converting carbohydrates with hydrogen into alkylene glycols and polyols, from ash comprising one or more tungsten-oxygen components (e.g. comprising a tungstate and/or tungstic acid). Such ash is obtainable from burning a liquid mixture comprising alkylene glycols and/or polyols and sodium tungstate and/or tungstic acid.

21: 2023/03360. 22: 2023/03/06. 43: 2024/07/08
 51: G16C
 71: BUCKMAN LABORATORIES INTERNATIONAL, INC.
 72: LUSK, Richard, QUINN, Paul

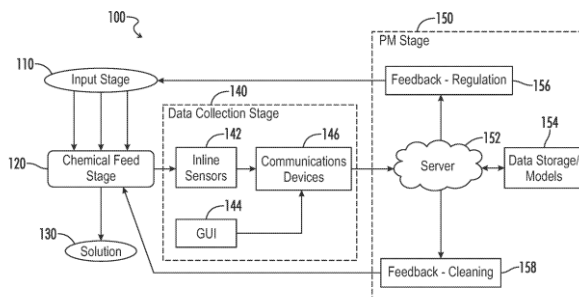
33: US 31: 63/075,020 32: 2020-09-04

33: US 31: 63/228,211 32: 2021-08-02

54: PREDICTIVE SYSTEMS AND METHODS FOR PROACTIVE INTERVENTION IN CHEMICAL PROCESSES

00: -

Various embodiments of the present disclosure relate to proactive dosing optimization chemical feed units producing an output solution (such as an oxidizing biocide) therefrom. Online sensors (142) generate signals corresponding to directly measured variables for respective process components. Information is selectively retrieved from models relating combinations of input variables to respective industrial process states, wherein various current process states may be indirectly determined based on directly measured variables for respective system components. An output feedback signal is automatically generated corresponding to a detected intervention event based on the indirectly determined process state. A controller may receive the signal and implement, e.g., regulation of oxidizing biocide feed for optimization of end products and/or performance metrics.



21: 2023/03389. 22: 2023/03/07. 43: 2024/07/15

51: C07C

71: HUA MEDICINE (SHANGHAI) LTD.

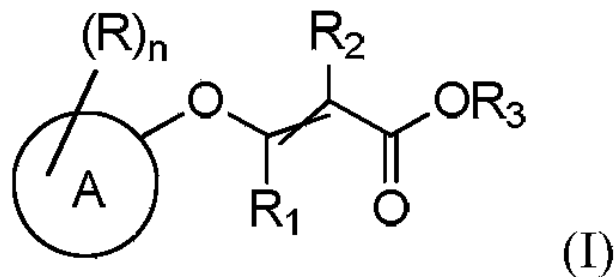
72: SHE, Jin, CHEN, Li, LV, Guanghua, JIN, Xiangle, XIA, Lizhen, LI, Jun

33: CN 31: 202010856857.9 32: 2020-08-24

54: PREPARATION OF SUBSTITUTED ACRYLATE COMPOUND

00: -

A method for preparing a substituted acrylate compound of general formula (I) is provided.



21: 2023/03488. 22: 2023/03/10. 43: 2024/06/04
51: C10K; C01B

71: RWE GENERATION NL B.V.

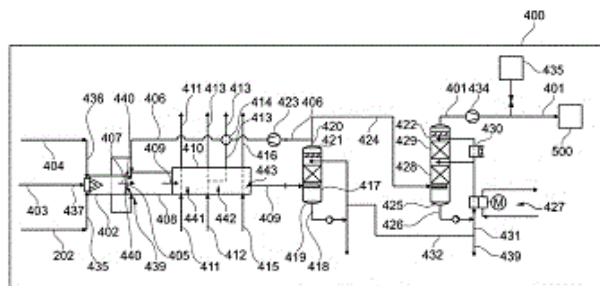
72: EURLINGS, JOHANNES THEODORUS
GERARDUS MARIE

33: EP 31: 20204803.9 32: 2020-10-29

54: PROCESSING OF TORREFACTION GAS

00: -

The torrefaction gas processing unit (400) allows the chemical recycling of torrefaction gas (202) produced by the torrefaction e.g. from solid recovered fuel (SRF) pellets (117) without the need to burn the torrefaction gas (202).



21: 2023/03536. 22: 2023/03/13. 43: 2024/06/19
51: C11D; A61Q; A61K

71: UNILEVER GLOBAL IP LIMITED

72: BARNE, SAMEER KESHAV, SANKAR,
RACHANA, VADHYAR, JAYASHREE
ANANTHARAM

33: EP 31: 20197227.0 32: 2020-09-21

54: A HARD SURFACE CLEANING COMPOSITION

00: -

The present invention relates to a hard surface cleaning composition. There is a need for improved cleaning compositions for providing antimicrobial benefit in addition to cleaning benefit. The inventors have found that an aqueous composition comprising 0.01 to 20% by weight alkene amide; 0.01 to 20% by weight glycol ether of formula (I): $R_1O(R_2O)_nR_3$; where: - R1 is a linear or branched alkyl or phenyl

group having 1 to 8 carbon atoms; - R2 is ethyl or isopropyl; - n is 1,2,3; - R3 is hydrogen or a linear or branched alkyl or phenyl group having 1 to 10 carbon atoms; 0.1 to 50% by weight surfactant; and at least 10% by weight water, provides significant antimicrobial benefit.

21: 2023/03597. 22: 2023/03/15. 43: 2024/07/11
51: C07K; C12N

71: SANOFI

72: DUMAS, Bruno Louis, LOUNIS, Mohammed
Nabil

33: EP 31: 20306068.6 32: 2020-09-21

54: GENERATION OF A HIGH PRODUCING RECOMBINANT CHINESE HAMSTER OVARY CELL LINE FOR THERAPEUTIC PROTEIN PRODUCTION

00: -

The present invention concerns a cell line comprising an endogenous dihydroorotate dehydrogenase (DHODH) and glutamine synthetase (GS) genes which are partially or fully inactivated, and its use for producing recombinant proteins.

21: 2023/03640. 22: 2023/03/16. 43: 2024/07/11
51: C03C; D04H

71: THERMAL CERAMICS UK LIMITED

72: MODARRESIFAR, Farid

33: GB 31: 2016878.7 32: 2020-10-23

33: GB 31: 2017916.4 32: 2020-11-13

33: GB 31: 2103109.1 32: 2021-03-05

33: GB 31: 2109436.2 32: 2021-06-30

33: GB 31: 2109437.0 32: 2021-06-30

54: THERMAL INSULATION

00: -

The present invention relates Inorganic fibres having a composition comprising: 61.0 to 70.8 wt% SiO₂; 27.0 to 38.9 wt% CaO; 0.10 to 2.0 wt% MgO; and optionally, an amount of other components providing a balance up to 100 wt%. A sum of SiO₂ and CaO is greater than or equal to 97.8 wt% and wherein the amount of the other components, when present, comprise no more than 0.80 wt% Al₂O₃.

21: 2023/03644. 22: 2023/03/16. 43: 2024/06/20
51: A61K; C07K

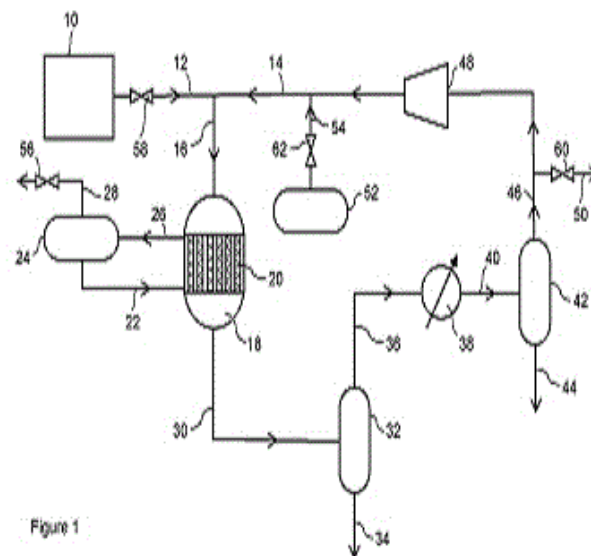
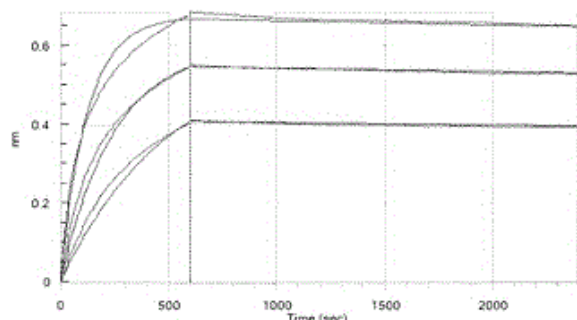
71: XBIOTECH INC.

72: SIMARD, JOHN, SHIVASWAMY, SUSHMA,
KUZMICHEVA, GALINA

33: CA 31: 3,095,675 32: 2020-10-07

54: TRUE HUMAN ANTIBODY SPECIFIC FOR INTERLEUKIN 1 ALPHA (IL-1ALPHA)

00: - Fully human monoclonal Abs includes (i) an antigen-binding variable region that exhibits very high binding affinity for IL-1 α and (ii) a constant region that is effective at both activating the complement system though C1q binding and binding to several different Fc receptors.



21: 2023/03752. 22: 2023/03/22. 43: 2024/06/19
 51: B01J; C10G
 71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
 72: BAKER, ROBERT MILES, CLARKSON, JAY SIMON, COE, ANDREW JAMES, GALLEN, ROBERT WILLIAM, PEARSON, RICHARD PHILIP DAVID, TAMSETT, COLIN
 33: GB 31: 2019079.9 32: 2020-12-03

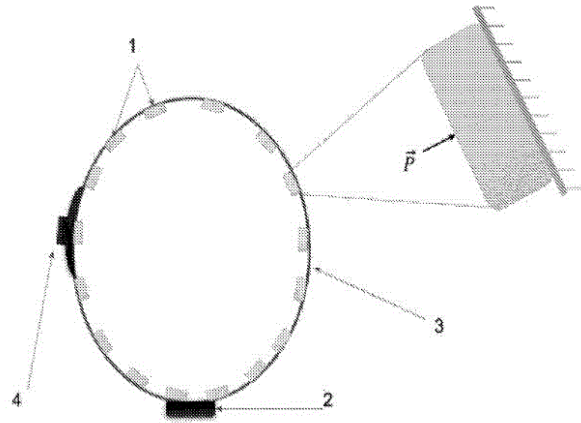
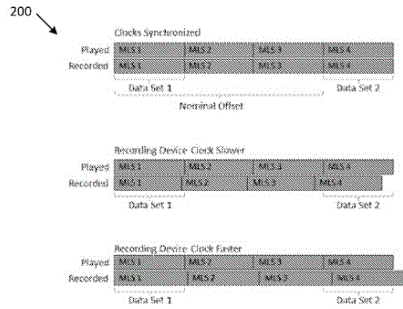
54: METHOD FOR SHUTTING DOWN A FISCHER-TROPSCH REACTOR

00: - A method is described for shutting down a Fischer-Tropsch reactor fed with a reactant gas mixture comprising a synthesis gas and a recycle gas recovered from the Fischer-Tropsch reactor in a synthesis loop, said Fischer-Tropsch reactor containing a Fischer-Tropsch catalyst cooled indirectly by a coolant under pressure, comprising the steps of: (a) depressurising the coolant to cool the reactant gas mixture to quench Fischer-Tropsch reactions taking place in the Fischer-Tropsch reactor, (b) stopping the synthesis gas feed to the Fischer-Tropsch reactor, and (c) maintaining circulation of the recycle gas through the Fischer-Tropsch reactor during steps (a) and (b) to remove heat from the Fischer-Tropsch reactor. The method safely facilitates a more rapid return to operating conditions than a full shut-down.

21: 2023/03856. 22: 2023/03/27. 43: 2024/07/11
 51: H04J; H04N
 71: THAT CORPORATION
 72: BARNHILL, Matthew, S., DARR, Roger, R, EASLEY, Matthew
 33: US 31: 63/126,563 32: 2020-12-17

54: AUDIO SAMPLING CLOCK SYNCHRONIZATION

00: - Systems, methods, and algorithms for estimating the sample clock difference between an audio playback and recording device are described. The sample clock difference can be determined by sequentially playing the same pseudorandom signal and exploiting the statistical properties of said signal in the recording. An exemplary embodiment utilizes a maximum length sequence (MLS) for the pseudorandom signal. While an MLS sequence is a good choice for clock synchronization, it is possible to use other pseudorandom sequences. The sequence preferably has a sharp correlation peak that is clearly discernable with even a single sample shift and be of sufficient length to support the anticipated clock drift.

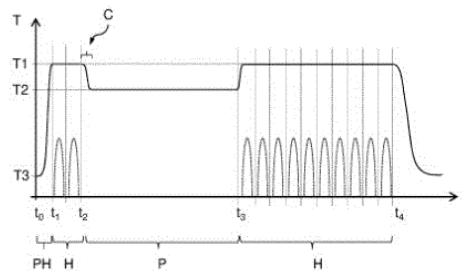


21: 2023/03941. 22: 2023/03/29. 43: 2024/07/11
 51: A61B
 71: BRAINCARE DESENVOLVIMENTO E INOVAÇÃO TECNOLÓGICA S.A.
 72: ANDRADE, Rodrigo De Albuquerque Pacheco, JUNIOR, Deusdedit Lineu Spavieri, OLIVEIRA, Sérgio Mascarenhas, MIYAZAKI, Caio Kioshi, OSHIRO, Helder Eiki
 33: BR 31: BR 10 2020 021338 5 32: 2020-10-19
54: SYSTEM AND METHOD FOR MULTI-CHANNEL DETECTION AND MONITORING OF INTRACRANIAL PRESSURE, AND MULTI-CHANNEL DEVICE

00: -
 The present invention describes a system and method for the non-invasive, multi-channel detection and monitoring of intracranial pressure. The invention discloses a solution for the multi-channel detection of volumetric variations in the skull and the processing of the signals coming from the plurality of sensors to determine the intracranial pressure of a user with greater precision. To do so, the present invention proposes a plurality of sensors that can be positioned on the user's head and that are in communication with a processing unit, in which the sensors are arranged on a fastening structure. Said sensors also have auxiliary sensors that contribute to the detection result. The present invention pertains to the fields of medicine, biomedicine, neuroscience, measurement of physical magnitudes and electrical engineering.

21: 2023/04002. 22: 2023/03/30. 43: 2024/07/11
 51: A24F
 71: PHILIP MORRIS PRODUCTS S.A.
 72: BUTIN, Yannick, STURA, Enrico, VALDEZ ROJAS, Ezequiel, NESOVIC, Milica, OLIANA, Valerio, HAU, Daniela
 33: EP 31: 20193921.2 32: 2020-09-01
54: AEROSOL-GENERATING DEVICE OPERABLE IN AN AEROSOL-RELEASING MODE AND IN A PAUSE MODE

00: -
 he present invention relates to an aerosol-generating device comprising an electrical heating arrangement for heating an aerosol-forming substrate in order to generate an aerosol. The heating arrangement is configured to heat the aerosol-forming substrate at a first temperature level in an aerosol-releasing mode. The heating arrangement is configured - in response to a pause signal - to heat the aerosol-forming substrate at a second temperature level below the first temperature level in a pause mode.



21: 2023/04038. 22: 2023/03/31. 43: 2024/06/19
 51: G10L
 71: DOLBY INTERNATIONAL AB
 72: KJOERLING, KRISTOFER, VILLEMoes, LARS, PURNHAGEN, HEIKO, EKSTRAND, PER

33: US 31: 62/662,296 32: 2018-04-25

54: INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY

00: -

A method for decoding an encoded audio bitstream is disclosed. The method includes receiving the encoded audio bitstream and decoding the audio data to generate a decoded lowband audio signal. The method further includes extracting high frequency reconstruction metadata and filtering the decoded lowband audio signal with an analysis filterbank to generate a filtered lowband audio signal. The method also includes extracting a flag indicating whether either spectral translation or harmonic transposition is to be performed on the audio data and regenerating a highband portion of the audio signal using the filtered lowband audio signal and the high frequency reconstruction metadata in accordance with the flag. The high frequency regeneration is performed as a post-processing operation with a delay of 3010 samples per audio channel.

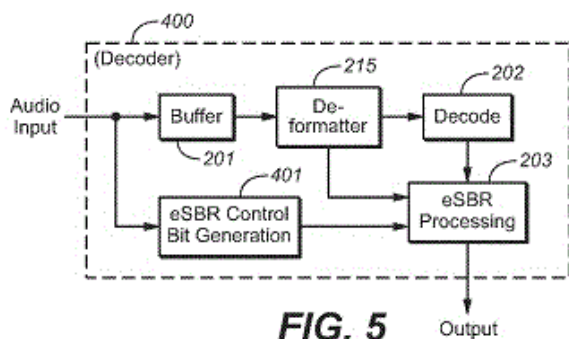


FIG. 5

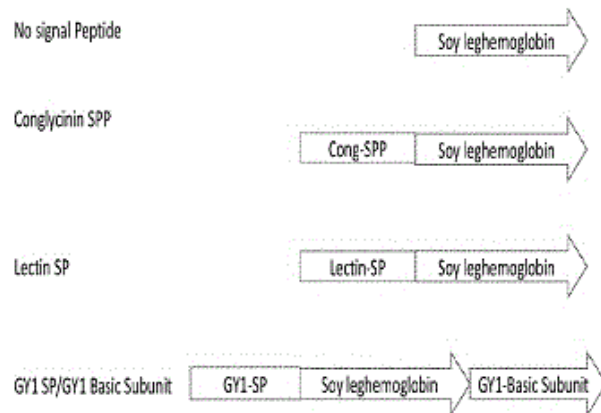
21: 2023/04104. 22: 2023/04/03. 43: 2024/06/19
 51: A01H; C12N; A23J
 71: PIONEER HI-BRED INTERNATIONAL, INC.
 72: CHO, HYEON-JE, EVERARD, JOHN D, KINNEY, ANTHONY J, LIU, ZHAN-BIN, MEYER, KNUT, PATTERSON, THOMAS G, RIPP, KEVIN G, SHEN, BO
 33: US 31: 63/106,519 32: 2020-10-28

54: LEGHEMOGLOBIN IN SOYBEAN

00: -

Soybean plants producing soybean seeds comprising leghemoglobin are produced by modifying the genome of the soybean plant. Soybean plants, soybean seeds and soy protein compositions comprising leghemoglobin are provided. Soybean plants, soybean seeds and soy

protein compositions comprising leghemoglobin and additionally one or more of high oleic acid, low linolenic acid, high protein, low stachyose, low raffinose and low protease inhibitors are provided. Protein compositions comprising leghemoglobin, such as soy isolates and concentrates can be made from the soybean seeds. Additionally, methods for generating and using plants, seeds and protein compositions comprising leghemoglobin are disclosed.



21: 2023/04105. 22: 2023/04/03. 43: 2024/06/19
 51: A23D; A23G
 71: SONOMACEUTICALS, LLC
 72: ARVIK, TOREY, JEROME, RALPH
 33: US 31: 63/092,976 32: 2020-10-16
54: FOOD COMPOSITIONS INCORPORATING AGRICULTURAL MARC, AND METHODS OF PRODUCING THEREOF

00: -

The present invention relates to agricultural marc, and food compositions incorporating such agricultural marc to improve the texture, flavor, aroma, mouthfeel, nutritional content, or shelf life of the food composition. In one example, the agricultural marc may be obtained from Chardonnay grapes, which when incorporated into chocolate can give the resulting composition an altered flavor and/or aromatic profile.

21: 2023/04134. 22: 2023/04/04. 43: 2024/06/19
 51: C07D; A61P; A61K
 71: H. LUNDBECK A/S
 72: WIENER, JOHN J. M, GRICE, CHERYL A, BUZARD, DANIEL J, CISAR, JUSTIN S, WEBER, OLIVIA D, ALLAN, AMY, RAFFAELE, NICHOLAS, MOODY, JEANNE V, SHAGHAFI, MICHAEL B

33: US 31: 63/113,662 32: 2020-11-13

54: A MAGL INHIBITOR

00: -

Provided herein are substituted 1,1,1,3,3,3-hexafluoropropan-2-yl 6-azaspiro[2.5]octane-6-carboxylate compounds and pharmaceutical compositions comprising said compounds. The compounds and compositions provided herein are useful as inhibitors of MAGL. Furthermore, the compounds and compositions as provided herein are useful for the treatment of diseases and disorders benefiting from the inhibition of MAGL.

21: 2023/04138. 22: 2023/04/04. 43: 2024/06/20

51: C11D

71: UNILEVER GLOBAL IP LIMITED

72: PAUL, PINTU, CREMONESI, CLAUDIA, MADHAVAN, UMA, TAINO, GIOVANNI

33: EP 31: 20206512.4 32: 2020-11-09

54: LIQUID AQUEOUS CLEANING COMPOSITION

00: -

The present invention relates a liquid aqueous cleaning composition comprising quaternary ammonium compound, hydrogen peroxide and organic acid having a pKa of from 1 to 5.5. The composition has a pH of 2 to 5 and a viscosity at 25°C of 1 to 1000 mPa.s @ 20 s⁻¹ and the composition is free of anionic surfactant.

21: 2023/04139. 22: 2023/04/04. 43: 2024/06/20

51: C11D

71: UNILEVER GLOBAL IP LIMITED

72: ANANTHASUBRAMANIAN, SIVAKUMAR, BABAR, PRASHANT POPAT, PAWAR, GANESH ANKUSH, PUSHKARNA, ANAL

33: EP 31: 20212206.5 32: 2020-12-07

54: SOAP COMPOSITION COMPRISING HYDROGEL

00: -

Soap composition comprising (i) saponified fatty matter made from a fat blend comprising lauric fatty acid and saturated and unsaturated non-lauric fatty acids, the iodine value being from 44 to 58 g iodine per 100 g of said saponified fatty matter; and (ii) a hydrogel which is non-thermoreversible at 70 to 140°C. Disclosed is also a bar of soap comprising the soap composition and a process of preparing the soap composition.

21: 2023/04161. 22: 2023/04/05. 43: 2024/06/24

51: A61L; B01D; F24F

71: AMBIENT CARBON METHANE HOLDING APS

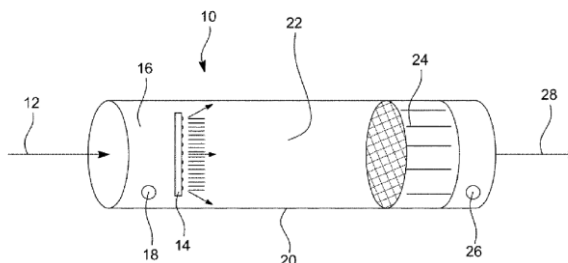
72: JOHNSON, Matthew, SCHMIDT, Johan Albrecht, PUGLIESE, Silvia

33: EP 31: 20195550.7 32: 2020-09-10

54: PHOTOCHEMICAL METHOD AND DEVICE FOR VOLATILE ORGANIC COMPOUND POLLUTION CONTROL

00: -

The present invention relates to a method for removing methane and non-methane volatile organic compound concentrations from a gas stream. The method comprises exposing the target gas to a halogen gas and a light from a suitable light source having a wavelength sufficient to activate halogen gas to halogen radicals, wherein the halogen radicals react with the VOC in the target gas to provide the target gas with a removed concentration of VOC as well as a device comprising a reaction chamber for reacting the halogen radicals with the VOC in the target gas.



21: 2023/04168. 22: 2023/04/05. 43: 2024/06/27

51: H04W; H04L

71: SAMSUNG ELECTRONICS CO., LTD.

72: OH, JUNGMIN, LEE, SANGHYUN

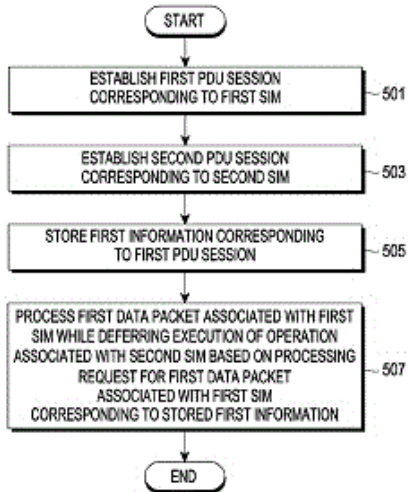
33: KR 31: 10-2020-0137605 32: 2020-10-22

54: ELECTRONIC DEVICE SUPPORTING MULTIPLE SIMS AND OPERATION METHOD THEREFOR

00: -

An electronic device, according to various embodiments, comprises: at least one processor; and an RF circuit configured to process a data packet associated with a first SIM coupled to the at least one processor and a data packet associated with a second SIM coupled to the at least one processor, wherein the at least one processor may be configured to: establish a first PDU session corresponding to the first SIM; establish a second PDU session corresponding to the second SIM;

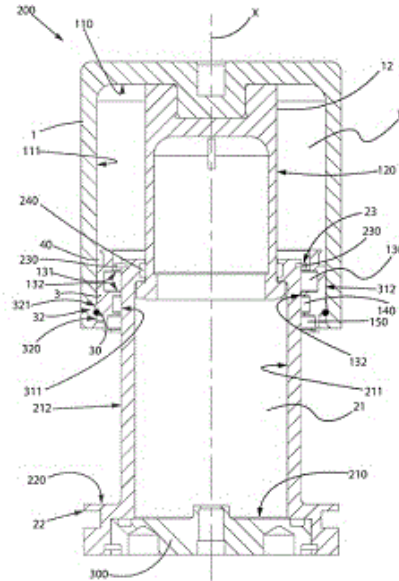
store first information of the first PDU session on the basis of a network slice type of the first PDU session being a specific first type in advance; and, on the basis of a request for processing a first data packet associated with the first SIM corresponding to the stored first information, process the first data packet associated with the first SIM by using the RF circuit while delaying execution of an operation associated with the second SIM.



21: 2023/04175. 22: 2023/04/05. 43: 2024/06/27
 51: F16F
 71: CAPPELLER FUTURA SRL
 72: CAPPELLER, ALESSANDRO
 33: IT 31: 102020000021541 32: 2020-09-11
54: GAS SPRING AND RELATIVE SAFETY SYSTEM

00: -
 Described is a gas spring (200), comprising a guide (2), having an outer surface (212), a slider (1), defining with said guide (2) at least one chamber (11) containing pressurised gas, said slider (1) being slidably connected to said guide (2) in such a way as to have a maximum stroke, of expansion, wherein said guide (2) is partially extracted from said slider (1), and a maximum stroke, of compression, characterised in that it comprises a bushing (3), positioned between said slider (1) and said guide (2), comprising sealing means for the tightness of the chamber (11), and removably coupled and so as to move integrally with said slider (1) up to said maximum stroke, in such a way that, when said slider (1) slides with respect to said guide (2) beyond said maximum stroke, said bushing (3)

decouples from said slider (1) so as to eliminate the seal of the chamber (11).

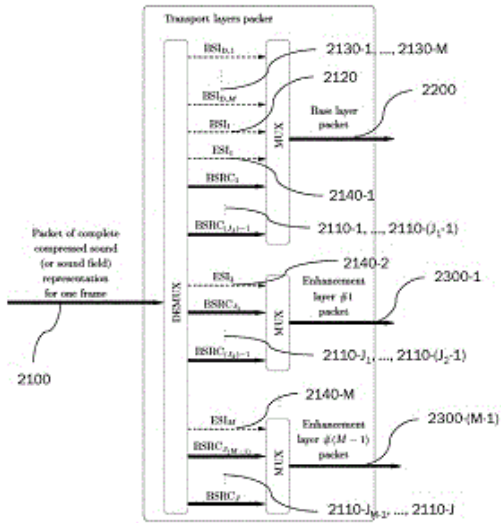


21: 2023/04207. 22: 2023/04/06. 43: 2024/06/27
 51: G10L
 71: DOLBY INTERNATIONAL AB
 72: KORDON, SVEN, KRUEGER, ALEXANDER
 33: EP 31: 15306653.5 32: 2015-10-15
 33: US 31: 62/361,461 32: 2016-07-12
 33: EP 31: 15306589.1 32: 2015-10-08
 33: US 31: 62/361,416 32: 2016-07-12

54: LAYERED CODING FOR COMPRESSED SOUND OR SOUND FIELD REPRESENTATIONS

00: -
 The present document relates to a method of layered encoding of a compressed sound representation of a sound or sound field. The compressed sound representation comprises a basic compressed sound representation comprising a plurality of components, basic side information for decoding the basic compressed sound representation to a basic reconstructed sound representation of the sound or sound field, and enhancement side information including parameters for improving the basic reconstructed sound representation. The method comprises sub-dividing the plurality of components into a plurality of groups of components and assigning each of the plurality of groups to a respective one of a plurality of hierarchical layers, the number of groups corresponding to the number of layers, and the plurality of layers including a base layer and one or more hierarchical enhancement layers, adding the

basic side information to the base layer, and determining a plurality of portions of enhancement side information from the enhancement side information and assigning each of the plurality of portions of enhancement side information to a respective one of the plurality of layers, wherein each portion of enhancement side information includes parameters for improving a reconstructed sound representation obtainable from data included in the respective layer and any layers lower than the respective layer. The document further relates to a method of decoding a compressed sound representation of a sound or sound field, wherein the compressed sound representation is encoded in a plurality of hierarchical layers that include a base layer and one or more hierarchical enhancement layers, as well as to an encoder and a decoder for layered coding of a compressed sound representation.



21: 2023/04214. 22: 2023/04/06. 43: 2024/07/08
 51: F03D
 71: GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
 72: LIU, Zhongpeng
 33: CN 31: 202011058738.5 32: 2020-09-30
54: WIND POWER GENERATOR SET AND POWER CONTROL METHOD AND DEVICE THEREFOR

00: -
 A wind turbine plant and a power control method and device thereof are provided. The power control method comprises: controlling rotational speed and torque of a generator of the wind turbine plant based

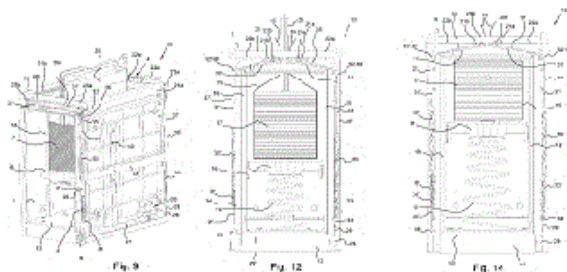
on an optimal rotational speed torque curve and a specific rotational speed torque curve, when receiving a power-limiting operation instruction or a power-releasing operation instruction; wherein, for each point on the optimal rotational speed torque curve, the specific rotational speed torque curve includes a point on an isopower curve starting from said point that satisfies a predetermined condition, and wherein the predetermined condition is that a corresponding power value of said point on the isopower curve is lower than a power value corresponding to a point on the optimal rotational speed torque curve at the same rotational speed value as said point on the isopower curve by a predetermined value.

controlling rotational speed and torque of a generator of the wind turbine unit based on an optimal rotational speed versus torque curve and a specific rotational speed versus torque curve, when receiving a power-limiting operation instruction or a power-amplifying operation instruction S10

21: 2023/04229. 22: 2023/04/06. 43: 2024/06/27
 51: B65H
 71: CIMA S.P.A.
 72: RAZZABONI, VITTORIO, RAZZABONI, NICOLETTA
 33: IT 31: 10202000024370 32: 2020-10-15
54: APPARATUS FOR FILLING AND SEALING BAGS INTENDED FOR CONTAINING BANKNOTES

00: -
 An apparatus for filling and sealing bags intended for containing banknotes comprises a generally parallelepiped-shaped container (10), with side walls (11), a bottom (12) and an upper lid (13) provided with an opening (14) for allowing entry into the container of a bag (15), made up of flexible plastic film, and of bank- notes (17) intended to be introduced into the same bag. The apparatus further comprises a pair of sealing bars (21a, 21b) arranged at the upper end of the container (10) and a system for controlling and moving the bars between their respective opening and closing positions. The control and movement system of the sealing bars (21a, 21b) comprises a motor (26) for driving a shaft (27) adapted to rotate at least one driving pulley (28) arranged below in correspondence with a vertical edge of the container (10), a kinematic connection for closing the bars comprised of a combination of cables and tension springs (29, 29', 30, 30', 31, 31')

connecting the driving pulley (28) to the sealing bars (21a, 21b) and a kinematic connection for opening the bars comprised of a combination of cables and tension springs (33, 33', 35, 35') connecting the sealing bars (21a, 21b) to a respective fixed anchor point (34, 34') of the container (10).



21: 2023/04231. 22: 2023/04/06. 43: 2024/06/27
51: C12N; C12P

71: LANZATECH, INC.

72: LIEW, FUNGMIN, KOEPKE, MICHAEL

33: US 31: 63/147,108 32: 2021-02-08

54: RECOMBINANT MICROORGANISMS AND USES THEREFOR

00: -

Microorganisms are genetically engineered to produce 3-hydroxypropionate (3-HP). The microorganisms are carboxydrotrophic acetogens. The microorganisms produce acetyl-coA using the Wood-Ljungdahl pathway for fixing CO/CO₂. A β-alanine pyruvate aminotransferase from a microorganism that contains such an enzyme is introduced. Additionally, an acetyl-coA carboxylase may also be introduced. The production of 3-HP can be improved. This can be effected by improved promoters or higher copy number or enzymes that are catalytically more efficient.

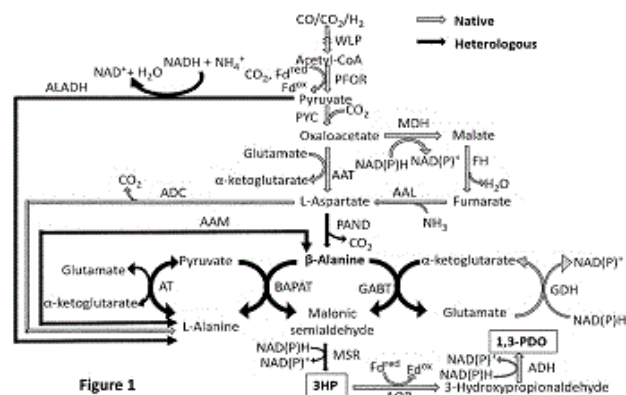


Figure 1

21: 2023/04292. 22: 2023/04/11. 43: 2024/06/27
51: C11D

71: UNILEVER GLOBAL IP LIMITED

72: ABBATANGELO, MARA, BANDYOPADHYAY, PUNAM, GROSSI, NADIA

33: EP 31: 20208415.8 32: 2020-11-18

54: AQUEOUS CLEANING COMPOSITION COMPRISING NON-IONIC SURFACTANT, QUATERNARY AMMONIUM COMPOUND, AND SEQUESTANT

00: -

The invention relates to aqueous cleaning compositions comprising non-ionic surfactant, quaternary ammonium compound and sequestant selected from MGDA, GLDA and combinations thereof, and organic acid, wherein the non-ionic surfactant comprises at least one alkyl polyglycoside surfactant. The compositions show a reduced pH drift. The invention also relates to a method and use to achieve the same.

21: 2023/04294. 22: 2023/04/11. 43: 2024/06/27
51: E21B

71: EPIROC ROCK DRILLS AKTIEBOLAG

72: GÖTHBERG, MATTIAS, ENBLUM, SAMUEL

33: SE 31: 2051525-0 32: 2020-12-21

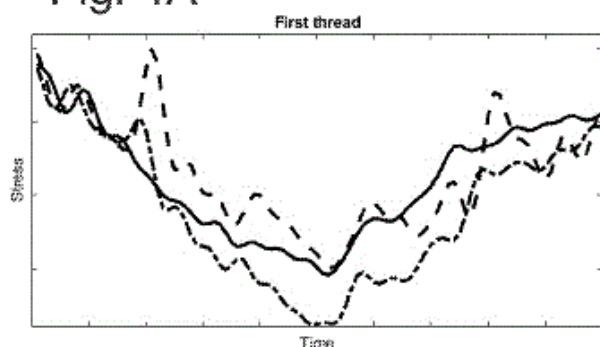
54: METHOD AND SYSTEM FOR DETECTING A STATE OF A JOINT OF A DRILL STRING

00: -

The present invention relates to a method for determining the state of at least one joint of a drill string (107) of a drill rig, the drill rig comprising a percussion device comprising a percussive element for inducing shock waves into the drill string (107), and a sensor for sensing stress waves in the drill string (107) caused by impacts of the percussive element, the method comprising, when a stress

wave is induced into the drill string (107) by the percussive element; determining a representation of the incident stress wave caused by the percussive element; determining a representation of a reflected wave representing a reflection of the incident stress when reaching said at least one joint; estimating a stiffness of the at least one joint by estimating a force exerted on the at least one joint by said incident wave and a displacement caused by said force, and generating a signal representing the state of said at least one joint based on said estimated stiffness.

Fig. 4A



21: 2023/04376. 22: 2023/04/13. 43: 2024/06/27
51: A61K
71: REGENERON PHARMACEUTICALS, INC.
72: BRUDNICKI, PHILIP, CHEN, HUNTER
33: US 31: 62/268,259 32: 2015-12-16
54: COMPOSITIONS AND METHODS OF MANUFACTURING PROTEIN MICROPARTICLES
00: -

Micron-sized particles containing a therapeutic protein and optionally excipients and a coating of a biocompatible and biodegradable polymer, and methods of making and using those microparticles are provided. The therapeutic protein formulated as a pharmaceutical powder of micron-sized particles remains stable for extended periods of time and is amenable to polymer coating for extended release and stability under physiological conditions.

21: 2023/04383. 22: 2023/04/13. 43: 2024/07/11
51: A61K; C07K; A61P
71: GYROSCOPE THERAPEUTICS LIMITED
72: JOEL, Josephine, ESTEVE-RUDD, Julian, TAM, Lawrence, ELLIS, Scott

33: GB 31: 2016463.8 32: 2020-10-16
33: GB 31: 2104148.8 32: 2021-03-24
54: NUCLEIC ACID ENCODING AN ANTI-VEGF ENTITY AND A NEGATIVE COMPLEMENT REGULATOR AND USES THEREOF FOR THE TREATMENT OF AGE-RELATED MACULAR DEGENERATION

00: -

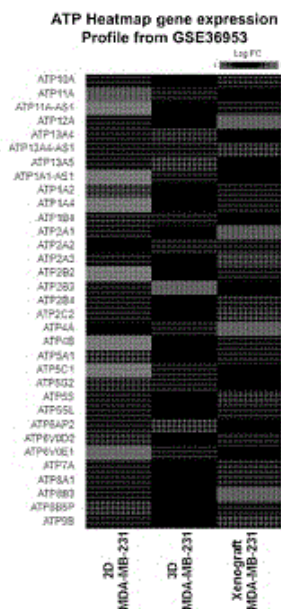
The present invention relates to a product comprising (i) an anti- VEGF entity; and (ii) a negative complement regulator, or nucleotide sequences encoding therefor, as a combined preparation for simultaneous, separate or sequential use in therapy. In particular, the anti-VEGF entity is an anti-VEGF antibody, preferably aflibercept and the negative complement regulator is Complement Factor I (CFI) or Complement Factor H Like Protein 1 (FHL1). The main uses are for the treatment of eye diseases, in particular age-related macular degeneration (AMD).

21: 2023/04402. 22: 2023/04/13. 43: 2024/06/28
51: C07D; A61K; A61P
71: LUNELLA BIOTECH, INC.
72: LISANTI, MICHAEL P, SOTGIA, FEDERICA, FIORILLO, MARCO, KANGASMETSA, JUSSI
33: US 31: 63/104,160 32: 2020-10-22

54: MITOCHONDRIAL ATP INHIBITORS TARGETING THE GAMMA SUBUNIT PREVENT METASTASIS

00: -

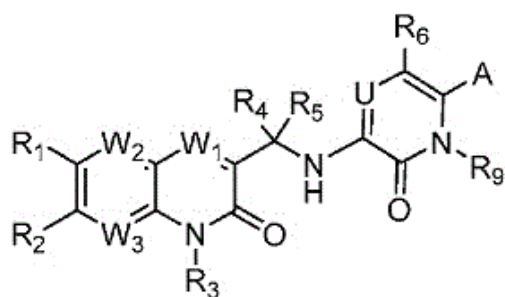
High ATP production by the mitochondrial ATP-synthase is a new therapeutic target for anti-cancer therapy, especially for preventing tumor progression. A mitochondrial-related gene signature for metastasis is described, which features the gamma-subunit of the mitochondrial ATP-synthase (ATP5F1C). Knock-down of ATP5F1C expression significantly reduces ATP-production, 3D anchorage-independent growth and cell migration. Administration of the Bedaquiline, or a Bedaquiline derivative with a fatty acid moiety, down-regulates ATP5F1C expression in vitro and prevents spontaneous metastasis in vivo. Mitochondrial ATP5F1C is a promising new biomarker and molecular target for future drug development, for the prevention of metastatic disease progression.



21: 2023/04409. 22: 2023/04/14. 43: 2024/06/27
51: C07D; A61P; A61K
71: FORMA THERAPEUTICS, INC.
72: ASHWELL, SUSAN, CAMPBELL, ANN-MARIE, CARAVELLA, JUSTIN A, DIEBOLD, R BRUCE, ERICSSON, ANNA, GUSTAFSON, GARY, LANCIA JR, DAVID R, LIN, JIAN, LU, WEI, WANG, ZHONGGUO
33: US 31: 62/128,089 32: 2015-03-04
33: US 31: 62/053,006 32: 2014-09-19
33: US 31: 62/150,812 32: 2015-04-21

54: PYRIDIN-2(1H)-ONE QUINOLINONE DERIVATIVES AS MUTANT-ISOCITRATE DEHYDROGENASE INHIBITORS

00: -
The invention relates to inhibitors of mutant isocitrate dehydrogenase (mt-IDH) proteins with neomorphic activity useful in the treatment of cell-proliferation disorders and cancers, having the Formula: (I) where A, U, W1, W2, W3, R1-R6, and R9 are described herein.



21: 2023/04419. 22: 2023/04/14. 43: 2024/06/27
51: C02F; C25B

71: INDUSTRIE DE NORA S.P.A.
72: RAMUNNI, ANNA, TIMPANO, FABIO
33: IT 31: 102020000031802 32: 2020-12-22
54: ELECTROLYSER FOR ELECTROCHLORINATION PROCESSES AND A SELF-CLEANING ELECTROCHLORINATION SYSTEM

00: -
The present invention concerns a chlorination electrolyser comprising, a housing provided with an inlet and an outlet suitable for the circulation of brine; at least one pair of bipolar electrodes facing each other and positioned within said housing. The electrolyser is characterised in that each bipolar electrode of said at least one pair comprises: a valve metal substrate; an active coating comprising at least one layer of a catalytic composition comprising ruthenium and titanium disposed over said substrate; a top coating comprising at least one layer of a composition comprising oxides of tantalum, niobium, tin, or combinations thereof disposed over said active coating. The invention also concerns a self-cleaning electrochlorination system comprising such an electrolyser, a method for its production, its use in normal and low salinity pools for hypochlorite mediated water disinfection and a method for hypochlorite-mediated water disinfection.

21: 2023/04460. 22: 2023/04/17. 43: 2024/06/28
51: A61K; A61P

71: RICERFARMA S.R.L.
72: CERINI, ROBERTO
33: IT 31: 102020000022042 32: 2020-09-18
54: TOPICAL ANTIVIRAL COMPOSITIONS COMPRISING HYALURONIC ACID AND CARRAGEENAN

00: -
Disclosed are topical compositions comprising hyaluronic acid or salts thereof and iota-carrageenan, preferably in a mucoadhesive matrix containing ascorbyl palmitate and choline alfoscerate. The compositions according to the invention are useful for topical treatment of Herpesvirus infections.

21: 2023/04462. 22: 2023/04/17. 43: 2024/06/28
51: A01N; A01P

71: QINGDAO KINGAGROOT CROPS SCIENCE CO., LTD., INSTITUTE FOR THE CONTROL OF AGROCHEMICALS OF SHANDONG PROVINCE (SHANDONG PROVINCE AGROCHEMICALS QUALITY INSPECTION STATION)

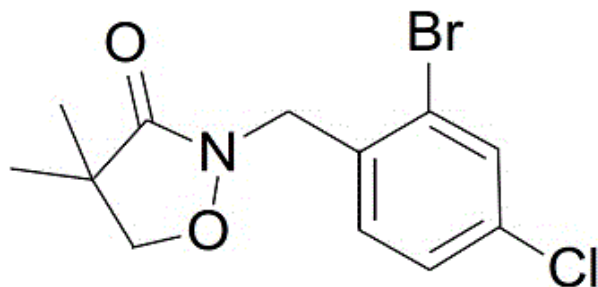
72: GAO, CHUANJIE, ZHANG, YAOZHONG, JIN, YAN, ZHANG, RONGQUAN, LU, XINGTAO, LI, PINGSHENG, CUI, QI, CHEN, SHUANG, JIN, TAO, WANG, PENG

33: CN 31: 202210241772.9 32: 2022-03-11

54: HERBICIDAL COMPOSITION AND APPLICATION THEREOF

00: -

The present invention belongs to the field of pesticides, and particularly relates to a herbicidal composition and an application thereof. The herbicidal composition comprises herbicidally effective amounts of active ingredient A and active ingredient B, wherein, the active ingredient A is [active ingredient A shown herewith]; and the active ingredient B is one or more compounds selected from pyroxasulfone, acetochlor, butachlor, propisochlor, S-metolachlor, pendimethalin and metribuzin. The composition is capable of controlling various weed problems in maize-soybean strip intercropping fields, having high safety and good selectivity on crops, and has the features of expanding spectrums for weed control, reducing amount of application, being able to generate synergistic effects and solve resistant weed issues, etc.



21: 2023/04463. 22: 2023/04/17. 43: 2024/06/26

51: A61P; A61K

71: Cerecin Australia Pty Limited.

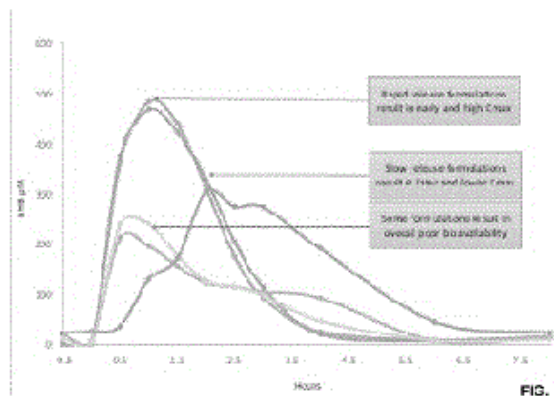
72: WALKER, JUDITH ANNE, HENDERSON, SAMUEL T, MORIMOTO, BRUCE H

33: US 31: 63/089,797 32: 2020-10-09

54: METHODS FOR DELIVERING MEDIUM CHAIN TRIGLYCERIDES WITH CONTROLLED PHARMACOKINETIC, SAFETY AND TOLERABILITY PROFILES

00: -

The invention relates compositions of medium chain triglycerides (MCTs), and to methods for treatment with such compositions to treat conditions associated with reduced neuronal metabolism, for example Alzheimer's disease.



21: 2023/04464. 22: 2023/04/17. 43: 2024/06/27

51: A61P; A61K; C07H; C07K

71: TAKEDA PHARMACEUTICAL COMPANY LIMITED

72: XU, HE, LEE, HONG MYUNG, ARENDT, CHRISTOPHER

33: US 31: 63/232,935 32: 2021-08-13

33: US 31: 63/111,478 32: 2020-11-09

33: US 31: 63/250,358 32: 2021-09-30

54: ANTIBODY DRUG CONJUGATES

00: -

The present disclosure provides antibody drug conjugates comprising STING modulators. Also provided are compositions comprising the antibody drug conjugates. The compounds and compositions are useful for stimulating an immune response in a subject in need thereof.

21: 2023/04485. 22: 2023/04/18. 43: 2024/06/27

51: C07K; A61P; A61K

71: ABL BIO INC

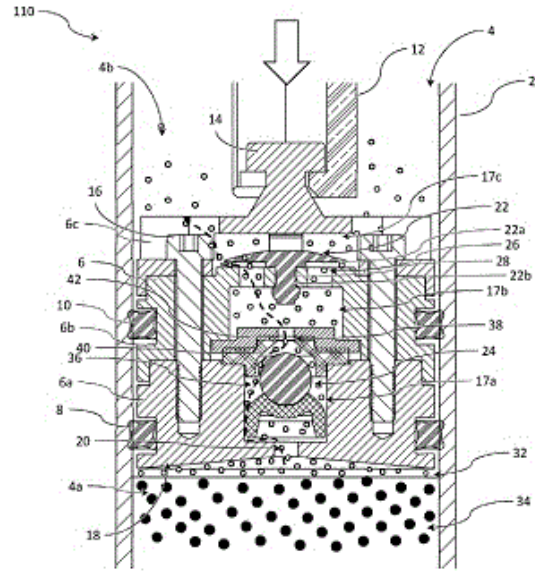
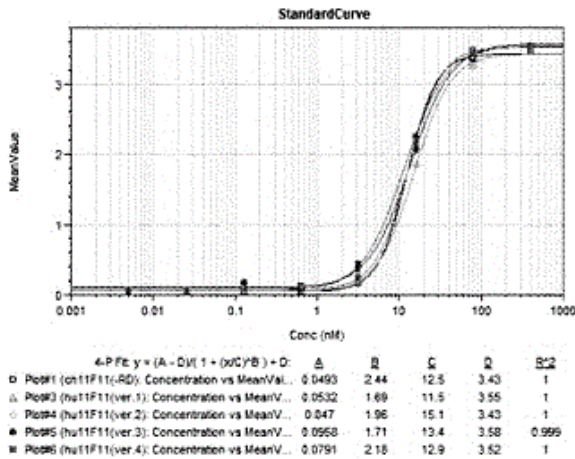
72: AN, SUNGWON, AHN, JINHYUNG, SUNG, BYUNGJE, KIM, DONGIN, SONG, DAEHAE, EOM, JAEHYUN, SON, YONG-GYU, PARK, KYUNGJIN, KIM, JUHEE, JUNG, JINWON, LEE, BORA, YUN, HYESU

33: KR 31: 10-2019-0071057 32: 2019-06-14

54: BISPECIFIC ANTIBODY AGAINST ALPHA-SYN/IGF1R AND USE THEREOF

00: -

The present specification relates to an anti-IGFR antibody and to use thereof in delivering an antibody across the blood-brain barrier of an individual.



21: 2023/04501. 22: 2023/04/18. 43: 2024/06/27

51: A61M

71: GUERBET

72: ALLARD, LUDOVIC, CACLIN, JÉRÔME

33: EP 31: 20306133.8 32: 2020-09-30

54: MEDICAL INJECTION DEVICE WITH GAS EVACUATION

00: -

An injection device (1) for injecting a medical liquid, comprising: - a piston (6) arranged within an inner space (4) delimiting an upper space (4b) and a lower space (4a), - an evacuation path, said evacuation path traversing the piston (6) the lower space (4a) to the upper space (4b) of the inner space, - a selector (24) between a lower portion (17a) and an intermediate portion (17b) of the evacuation path, configured for selectively allowing the gas to go through and preventing the medical liquid from going through said selector (24, 50, 60), - a purge valve (22) between the intermediate portion (17b) of the evacuation path and an upper portion (17c) of the evacuation path and configured for moving between a blocking and a passing configuration which requires an overpressure in the intermediate portion (17b) caused by the piston (6) travelling towards the lower end of the body (2).

21: 2023/04504. 22: 2023/04/18. 43: 2024/06/27

51: F24S; C02F

71: JILKÉN, LEIF

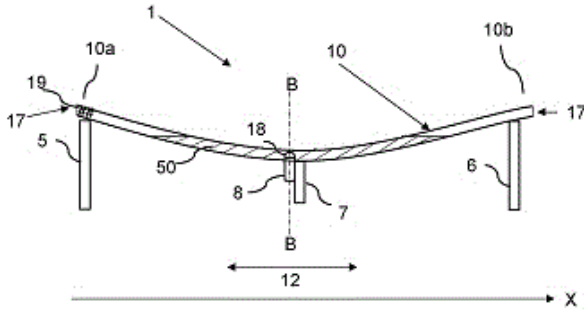
72: JILKÉN, LEIF

33: SE 31: 2051194-5 32: 2020-10-14

54: ARRANGEMENT, SYSTEM AND METHOD FOR PRODUCING HOT WATER FROM SOLAR ENERGY

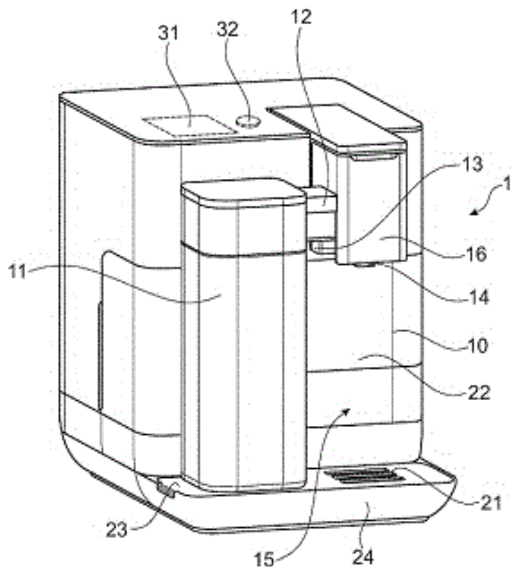
00: -

An arrangement (1) for producing hot water from solar energy, the arrangement comprising: an elongate solar collector device (10) extending along a longitudinal direction (X) from a first end (10a) to an opposite second end (10b), the elongate solar collector device (10) consisting of an elongate profile having walls that in between them define elongate cavities extending from the first end (10a) to the second end (10b), the elongate solar collector device (10) having at least one first opening (17) for receiving water into the elongate cavities, and at least one second opening (18) for tapping off water, arranged at a middle part (12) of the elongate solar collector device (10); and at least one valve (8) adapted to be arranged in a respective one of the at least one second opening (18), the valve being openable and closable in order to be able to tap off any water housed in the cavities.



21: 2023/04542. 22: 2023/04/19. 43: 2024/06/27
 51: A47J
 71: TCHIBO GMBH
 72: ERDWIENS, ALEXANDER, DANIELS, MICHA
 33: EP 31: 20203145.6 32: 2020-10-21
54: BEVERAGE PREPARATION MACHINE HAVING A SILICONE DRIP GRID

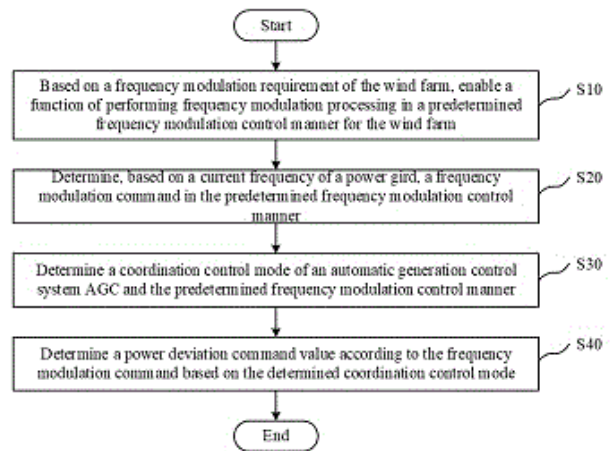
00: -
 The invention relates to a beverage preparation machine (1) which comprises an outlet (14) for dispensing a prepared beverage, a receiving area (15) for receiving a vessel in which the prepared beverage is to be received, and a setting-down element (21) that delimits the receiving area (14) into the side opposite the outlet (14) and on which the vessel can be placed during the preparation of the beverage. The setting-down element (21) is at least partially made from an elastomer.



21: 2023/04543. 22: 2023/04/19. 43: 2024/06/28
 51: H02J
 71: GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.

72: ZUO, MEILING
 33: CN 31: 202011002768.4 32: 2020-09-22
54: FREQUENCY MODULATION CONTROL METHOD AND DEVICE FOR WIND FARM

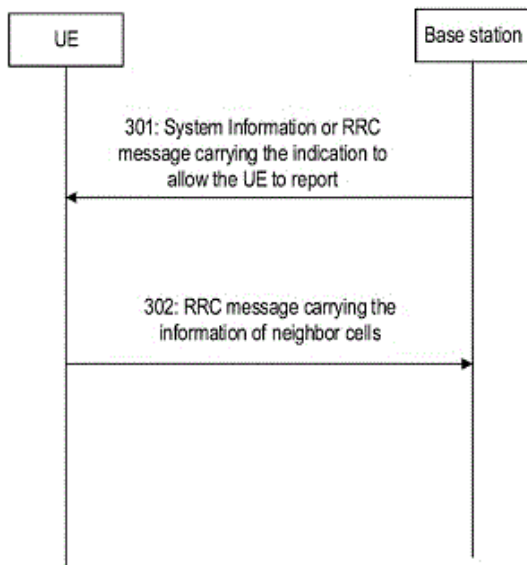
00: -
 Provided are a frequency modulation control method and device for a wind farm. The frequency modulation control method comprises: on the basis of the frequency modulation requirements of a wind farm, enabling, for the wind farm, a function of performing frequency modulation processing in a predetermined frequency modulation control manner; on the basis of the current frequency of a power grid, determining a frequency modulation instruction under the predetermined frequency modulation control manner; determining a coordinative control mode between an automatic power generation control system and the predetermined frequency modulation control manner; and on the basis of the determined coordinative control mode, determining a power deviation instruction value according to the frequency modulation instruction, so as to perform frequency modulation processing on the basis of the determined power deviation instruction value.



21: 2023/04544. 22: 2023/04/19. 43: 2024/06/28
 51: H04W
 71: ZTE CORPORATION
 72: NIU, LI, DAI, BO, SHA, XIUBIN, LU, TING
54: METHOD, DEVICE, AND SYSTEM FOR CELL MEASUREMENT AND REPORT IN WIRELESS NETWORKS

00: -
 This disclosure relates generally to dynamically configure cell measurement triggering condition for a

UE in a wireless communication network. Performed by a UE in a network, the method including: receiving cell measurement triggering information from a first network element in the network, the cell measurement triggering information comprising a set of predetermined values for a UE parameter and a set of triggering conditions for cell measurements corresponding to the set of predetermined values; determining a current value of the UE parameter for the UE; identifying a cell measurement triggering condition among the set of triggering conditions based on the current value of the UE parameter for the UE and the cell measurement triggering information; determining if the cell measurement triggering condition is met by the UE; and in response to the cell measurement triggering condition being met, performing the cell measurement.



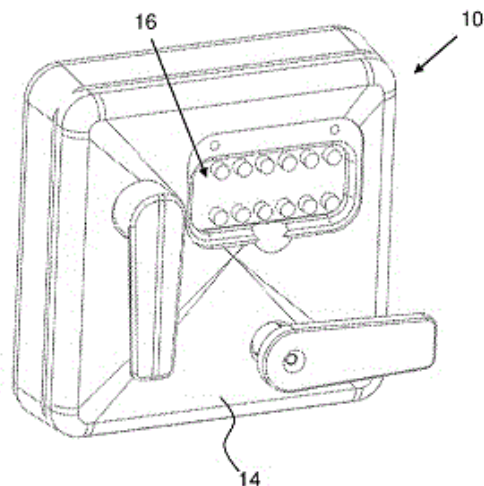
21: 2023/04545. 22: 2023/04/19. 43: 2024/06/28
 51: A01N; C07D
 71: TOTAL BIOTECNOLOGIA INDÚSTRIA E COMÉRCIO S/A
 72: FUKAMI, JOSIANE, GOMES, DOUGLAS FABIANO, MARCOLINA GOMES, JULIANA, HIPOLITO DE ASSIS FILHO, JONAS
54: AGRICULTURAL COMPOSITION OF INDOLEACETIC ACID WITH ENHANCED PHOTOSTABILITY, PRODUCTION METHOD, AND USE THEREOF

00: -
 The present invention relates to a method for producing an agricultural composition including the

photostabilization of indoleacetic acid (IAA) of biological and/or synthetic origin in a mixture comprising said IAA and sources of nitrogen and reducing sugars. The photostabilization of the phytohormone IAA for use in agricultural crops according to the present invention is obtained by applying high temperatures to said mixture to promote the conversion of said sources of nitrogen and reducing sugars into melanoidin pigments through the Maillard reaction, which reduces the photodegradation of the IAA.

21: 2023/04546. 22: 2023/04/19. 43: 2024/06/27
 51: E05B; E05C
 71: AUTIDA AB
 72: STENLUND, PETER
 33: SE 31: 2050755-4 32: 2020-06-24
54: BLOCKING AND AUTOCLOSING ARRANGEMENT

00: -
 The present invention relates to a blocking device to be used with a locking system of a closing structure for a compartment, the blocking device comprises an engagement member arranged movable between a non-engaging position out of contact with a locking system and an engaging position enabling operation of the locking system, a blocking arrangement operably connected to said engagement member wherein the blocking arrangement blocks movement of said engagement member in the non-engaging position, an activator operably connected to said blocking arrangement wherein operation of said activator enables an unblocking of said engagement member by said blocking arrangement.



21: 2023/04551. 22: 2023/04/19. 43: 2024/06/28
51: E02F; E01C; G05D; G06Q
71: CATERPILLAR INC.

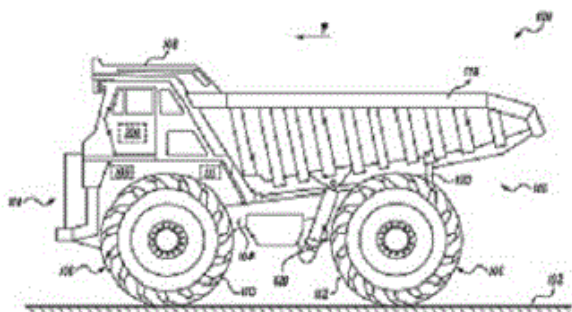
72: RAJASEKHARAN, RAJAKRISHNAN P,
VASHISHT, SADHANA P, PARKER, JOHN D,
MATHIVANAN, RAJESHKUMAR, SUBRAMANI,
SUTHAKAR

33: US 31: 17/033,527 32: 2020-09-25

54: SYSTEM AND METHOD FOR MONITORING MACHINE OPERATIONS AT A WORKSITE

00: -

A method and system for monitoring operations of a machine (100) operating at a worksite, is provided. The machine (100) includes an implement (118) for performing one or more implement operations and is powered by an engine (109). The method includes determining a first parameter corresponding to an engine speed associated with the engine (109), a second parameter indicative of vibrations detected inside the operator cabin and a third parameter indicative of a machine speed associated with the machine (100). The method further includes determining a machine operation as one of the loading operation (404), the dumping operation (408) and a travelling operation (412) based on one or more of the determined first parameter, second parameter and the third parameter.



21: 2023/04592. 22: 2023/04/20. 43: 2024/06/28
51: A61P; A61K

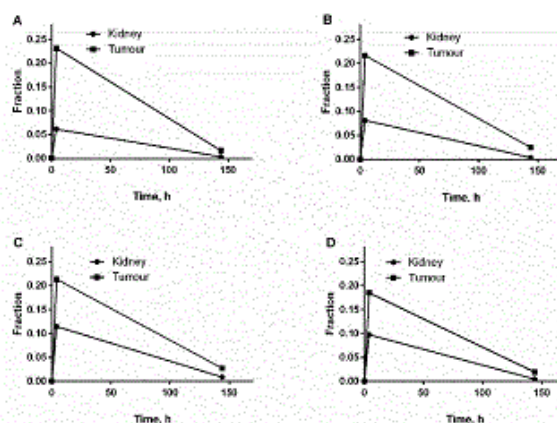
71: ZYTOX THERAPEUTICS AB
72: ERIKSSON KARLSTRÖM, AMELIE,
WESTERLUND, KRISTINA, TANO, HANNA
33: SE 31: 2051204-2 32: 2020-10-16

54: PNA PROBES FOR PRETARGETED IMAGING AND THERAPY

00: -

The invention relates to a kit for targeting of a diagnostic or therapeutic agent to a target site

comprising: (a) a first conjugate comprising (i) a targeting moiety capable of binding selectively to the target site; and (ii) a first hybridization probe moiety comprising a PNA oligomer; and (b) a second conjugate comprising (i) a second hybridization probe moiety comprising a complementary PNA oligomer; and (ii) a diagnostic agent or a therapeutic agent moiety; wherein the length of the complementary PNA oligomer in the second hybridization probe moiety is not more than 14 bases. The invention further relates to methods for delivering a diagnostic or therapeutic agent to a target site in mammals, as well as methods for the diagnosis or treatment of medical conditions, such as e.g. cancer, in mammals.



21: 2023/04595. 22: 2023/04/20. 43: 2024/06/28
51: F04B; F04D; F16N; F16J

71: CORNELL PUMP COMPANY LLC
72: O'CALLAGHAN, COLIN, AMSTAD, LUKE,
WARREN, WILLIAM JAMES, LINDEMAN, ADAM,
ENTERLINE, ANDREW

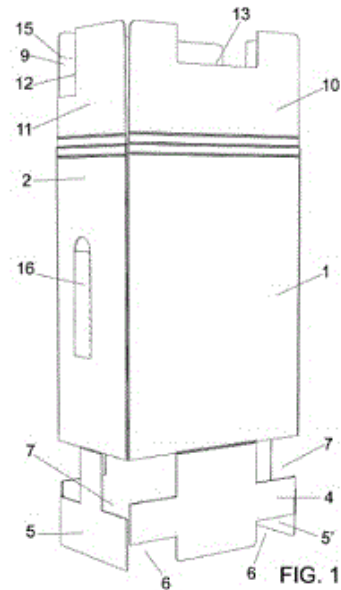
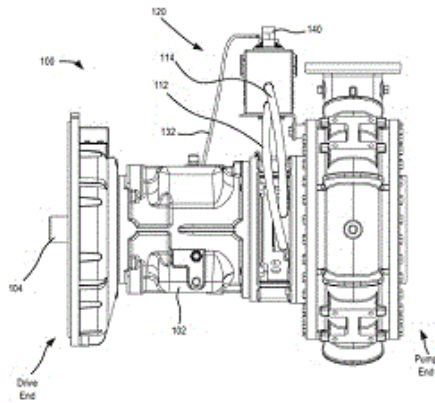
33: US 31: 63/104,800 32: 2020-10-23

54: MONITORING SYSTEM FOR PUMP WITH MECHANICAL SEAL LUBRICATION ARRANGEMENT

00: -

Systems and methods are provided for remotely monitoring liquid lubricant levels for pump equipment. A system includes a reservoir to store lubricant and a lubrication gland to expose a shaft seal of the pump equipment to the lubricant. A feed line and a return line circulate the lubricant between the reservoir and the lubrication gland. A level sensor is configured to measure a fluid level in the reservoir. The level sensor uses a communication interface to transmit fluid level data a monitoring

device mounted to the pump equipment. The monitoring device is configured to compare the fluid level data against stored alert thresholds and send, to a provider network, an alert signal when the fluid level data is below an alert threshold. If the fluid level data is not below an alert threshold, the monitoring device stores the fluid level data for periodic reporting.

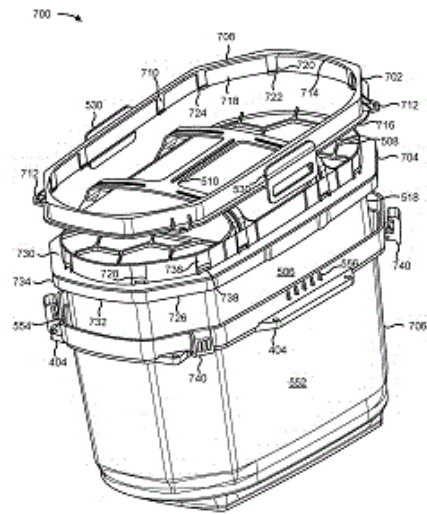
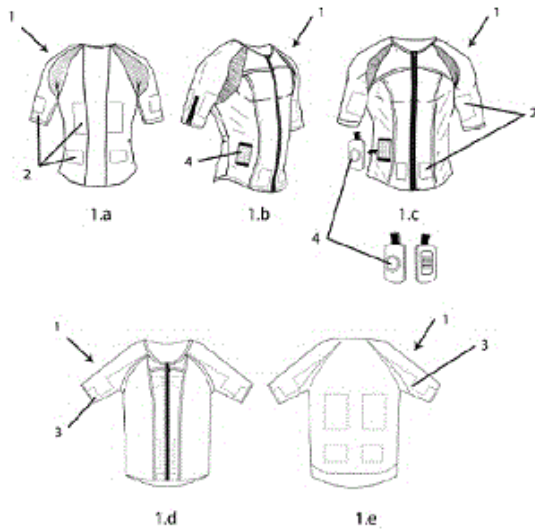


21: 2023/04645. 22: 2023/04/21. 43: 2024/06/28
 51: A45C
 71: VINGBOX IBÉRICA, S.L.
 72: GÓMEZ NÚÑEZ, JOSÉ IGNACIO, FERNÁNDEZ CARMONA, JORGE
 33: ES 31: U202032200 32: 2020-10-09
54: PROTECTIVE PACKAGING FOR SUITCASES
 00: -

A suitcase protector comprising a cardboard packaging, characterised by the fact that it is made from the plane development of a die-cut sheet of cardboard, in which a rectangular, horizontally elongated, main section is defined, which, by means of vertical folding lines, determines the two major (1-1') and minor (2-2') faces of a rectangular prismatic container, the prism being formed by attaching a tongue (3) laterally which is associated with one of the major faces (1) and which is attached with adhesive to the free minor face (2), forming a folding rectangular prism.

21: 2023/04695. 22: 2023/04/24. 43: 2024/06/27
 51: A63F; A61N; G06E
 71: BOREAL TECHNOLOGY & INVESTMENT S.L.
 72: FUERTES PEÑA, JOSE
 33: EP 31: 19382962.9 32: 2019-11-04
54: WEARABLE GAMING DEVICE AND METHOD THEREOF
 00: -

A gaming wearable device directed to be worn by a player whilst playing a videogame is provided. The gaming wearable device of the invention hereby disclosed allows the user to feel the sensations currently suffered by a character of a video game, in such a way a deeply immersive gaming experience is provided. The gaming wearable device is a vest or a suit where a series of electrodes have been strategically placed in such a way that every single muscle covered by the suit can be stimulated electrically by means of pulses generated by a control unit. The electrodes are covered with a conductive gel layer allowing a quick and easy fix on the skin of the gamer, providing a higher electrical conductivity as well.



21: 2023/04721. 22: 2023/04/24. 43: 2024/06/28
 51: B01D
 71: CATERPILLAR INC.
 72: FINN, TIMOTHY SEAN, RYON, SHAWN M,
 COLANTONI, DAVID J
 33: US 31: 17/039,372 32: 2020-09-30

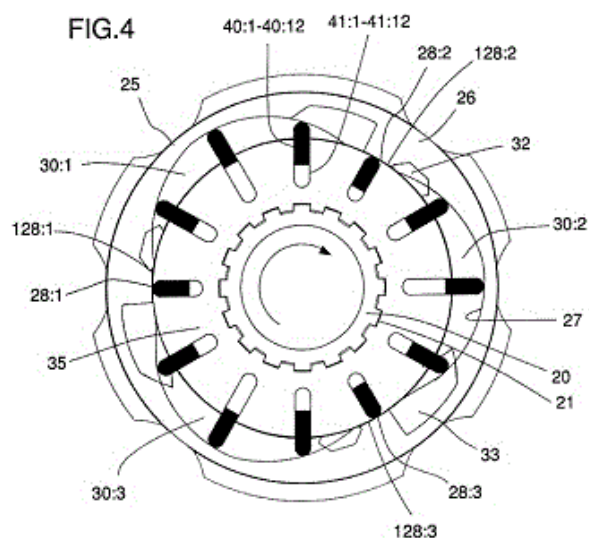
54: FILTRATION DEVICE HAVING A LATCH MECHANISM ADAPTER

00: -
 A filtration device may include an adapter, a filter element, and a housing. The adapter may include a collar having an upper rim and a lower rim, a plurality of locking tabs extending from the upper rim, and a plurality of snap members extending from the lower rim. The filter element may include a casing and a plurality of receptacles connected to and arranged around a first outer surface of the casing. The plurality of receptacles are configured to receive the plurality of locking tabs. The housing, which is configured to receive the filter element, includes a shell and a plurality of ramp members that are connected to a second outer surface of the shell. The plurality of ramp members are configured to engage the plurality of snap members.

21: 2023/04731. 22: 2023/04/24. 43: 2024/06/28
 51: E21B
 71: LKAB WASSARA AB
 72: HÖRMAN, MAGNUS, EGERSTRÖM, FREKRIK,
 ÖHNSTRÖM, MARTIN, FRIDSELL, MAGNUS
 33: SE 31: 2051146-5 32: 2020-10-01

54: A DRIVE DEVICE FOR ROTATABLE OPERATION OF A DRILL BIT OF A DOWN-THE-HOLE HAMMER

00: -
 The invention relates to a rotary device (101) for a down-the-hole hammer (1), which rotary device is accommodated in a rotation motor housing (3) and mounted behind a drill housing (2) for transferring a torque to a drill bit (8) and a pressurized drive fluid (22) to a striking mechanism (4) for the drill bit. The rotary device includes a cam curve with a plurality of drive lobes (28:1 - 28:3) and working chambers (30:1, 30:2, 30:3) along a circumference in the rotation motor housing (3), a rotor disc (38) carrying a plurality of radially movable vanes (40:1 - 40:12), which are accommodated in piston tracks (41 :1 - 41 :12) in the rotor disc. Characteristics of the rotary device are that it includes; an odd integer of a number of drive lobes (28:1 - 28:3), which is equal to or higher than three; an odd integer of a number of working chambers (30:1, 30:2, 30:3), which is equal to or higher than three; an odd integer of a number of vanes (40:1 - 40:12), which is equal to or higher than three, and wherein said number of vanes are simultaneously pressurized in each working chamber (30:1, 30:2, 30:3).



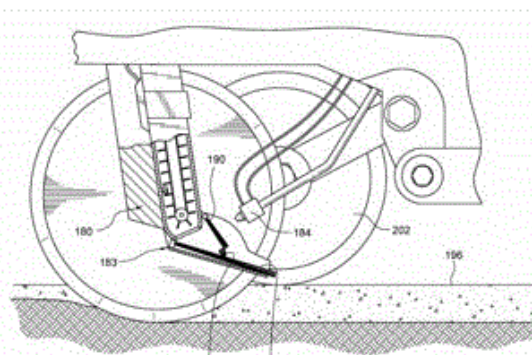
21: 2023/04735. 22: 2023/04/24. 43: 2024/06/28
 51: C12N; C07K; C12P
 71: CJ CHEILJEDANG CORPORATION
 72: BAE, HYUN WON, JUNG, MOO YOUNG, KIM, SANG JUN, PARK, SANG MIN, BYUN, HYO JEONG, SHIN, YONG UK, LEE, HAN HYOUNG, LIM, BORAM, JANG, JAEWON, CHOI, YUNJUNG
 33: KR 31: 10-2020-0171738 32: 2020-12-09
54: SHEWANELLA ONEIDENSIS-DERIVED PROTEIN EXPRESSING MICROORGANISM AND L-AMINO ACID PRODUCING METHOD USING SAME

00: -
 Provided are a foreign protein-expressing microorganism and an L-amino acid producing method using same. The foreign protein-expressing microorganism may have improved L-amino acid excretion and/or production capacity, compared to the wild type thereof.

21: 2023/04750. 22: 2023/04/25. 43: 2024/06/27
 51: A01C
 71: AMVAC HONG KONG LIMITED
 72: RICE, RICHARD L, CONRAD, LARRY M
 33: US 31: 17/000,571 32: 2020-08-24
 33: US 31: 16/598,937 32: 2019-10-10
54: SYSTEM AND METHOD FOR TREATING INDIVIDUAL SEEDS WITH LIQUID CHEMICALS DURING THE PLANTING PROCESS

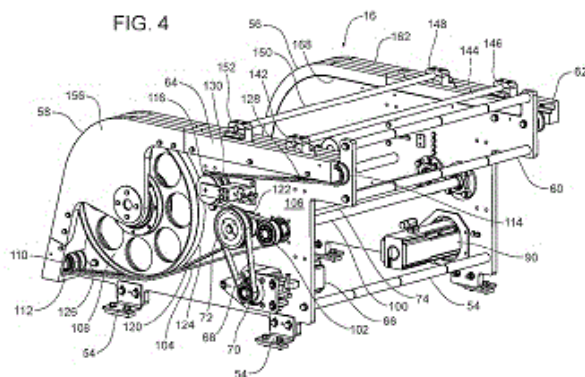
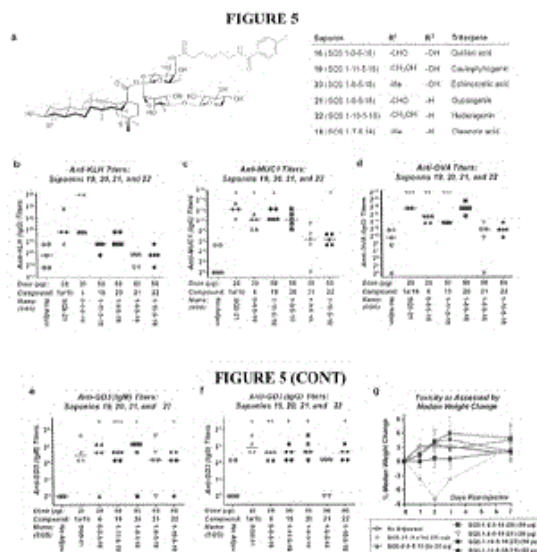
00: -
 The invention pertains to a system for dispensing crop enhancement agricultural products. The system includes an agricultural product metering

system, which is connected to a source of crop enhancement agricultural products; and an agricultural product tube, which is connected to the agricultural product metering system. The agricultural product metering system is configured to dispense crop enhancement agricultural products at a low rate, which is below 3.7 fluid ounces (109.4 ml) per 1000 row feet (304.8 m).



21: 2023/04795. 22: 2023/04/26. 43: 2024/06/27
 51: C07H; A61K
 71: MEMORIAL SLOAN-KETTERING CANCER CENTRE
 72: GIN, DAVID Y, CHEA, ERIC K, FERNANDEZ-TEJADA, ALBERTO, TAN, DEREK S, LEWIS, JASON S, GARDNER, JEFFREY R, PILLARSETTY, NAGAVARAKISHORE
 33: US 31: 62/005,302 32: 2014-05-30
54: MINIMAL SAPONIN ANALOGUES, SYNTHESIS AND USE THEREOF

00: -
 Truncated triterpene saponin analogues containing a trisaccharide or tetrasaccharide ester are disclosed. Also disclosed are pharmaceutical compositions comprising truncated saponin analogues and synthetic methods of producing the truncated saponin analogues. Another aspect of the present application relates to a method for immunizing a subject, comprising administering to the subject the pharmaceutical composition comprising a minimal saponin analogue and an antigen.



21: 2023/04810. 22: 2023/04/26. 43: 2024/06/24
51: B01J

71: LINDE GMBH, BASF SE
72: HOFSTÄTTER, Martin, DELHOMME-NEUDECKER, Clara, POSSELT, Heinz, FLEISCHMANN, Niklas, KOCHENDÖRFER, Kiara Aenne, JENNE, Eric, SHUSTOV, Andrey, STILL, Werner Josef, STARK, Torsten

33: EP 31: 20198807.8 32: 2020-09-28

54: DEVICE FOR CONDUCTING A CHEMICAL REACTION IN A PROCESS FLUID IN A PRODUCTION FACILITY

00: -

A reactor has one or more reaction tubes that are guided into and out of the reactor and have tube sections that are electrically heatable and connected to one another by an electrically conductive star bridge. At least one current source is designed to provide a multiphase amplitude current. Phase lines of at least one current source are connected to a star point, wherein the star point is not connected to a grounding connection.

21: 2023/04796. 22: 2023/04/26. 43: 2024/06/27

51: B31B

71: KLIKLOK LLC

72: GODDEN, KEVIN, PATE, JOHN

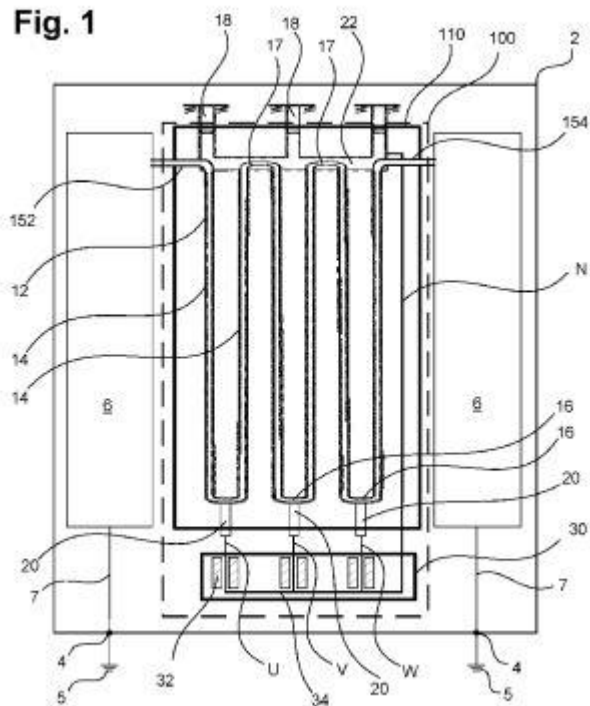
33: US 31: 62/840,066 32: 2019-04-29

54: CARTON BLANK ERECTOR AND FEEDING AND SHUTTLE MACHINE

00: -

A carton feeding and shuttle machine includes first and second servo drives for driving first and second belts positioned on a plurality of pulleys, a first block attached to the first belt and supporting a first support shaft and a second block attached to the second belt and supporting a second support shaft. A controller controls the servo drives for driving the first and second belts. A linkage assembly includes a plurality of links configured to move a plucking head along a shaft in response to movements of the first and second belts. Specifically, relative movement of the first and second belts pivots first and third links about a first support shaft and second and fourth links about a second support shaft drawing a base along a slide shaft and extending the plucking head from a first position to a second position for engaging a carton blank in a carton blank stack.

Fig. 1



21: 2023/04812. 22: 2023/04/26. 43: 2024/06/28
 51: A61K; A61P
 71: KINOPHARMA, INC.
 72: ONOGI, HIROSHI, YAMAGUCHI, TETSUO,
 SATO, KATSUHIKO
 33: JP 31: 2020-180339 32: 2020-10-28
**54: PHARMACEUTICAL COMPOSITION FOR
 PREVENTING OR TREATING VIRAL
 PERIVAGINAL DISEASE**

00: -
 The purpose of the present invention is to provide a pharmaceutical composition for preventing and/or treating a viral disease in the vaginal or perivaginal area. The present invention provides a pharmaceutical composition for preventing or treating a disease caused by a pathogenic virus in the vaginal or perivaginal area, said pharmaceutical composition comprising, as an active ingredient, a compound selected from the group consisting of an aniline derivative represented by general formula (I) [wherein W represents S or O], a pharmaceutically acceptable salt thereof and a solvate of the same. This pharmaceutical composition, which is in the form of a vaginal insert (e.g., a vaginal tablet, a vaginal capsule or a vaginal suppository) containing a granular formulation comprising core particles, said core particles containing the aforesaid

compound, needle- and/or nearly column-shaped crystalline cellulose, a pharmaceutically acceptable additive in a nearly spherical form and a nonionic surfactant, and a coating layer coating the core particles, is characterized in that, in the core particles, voids are present between the crystalline cellulose and the additive.

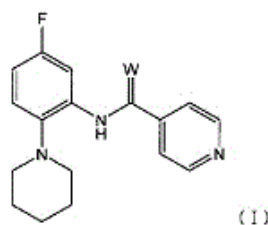
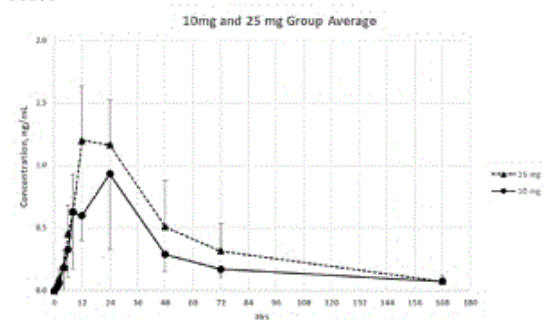


FIG. 8

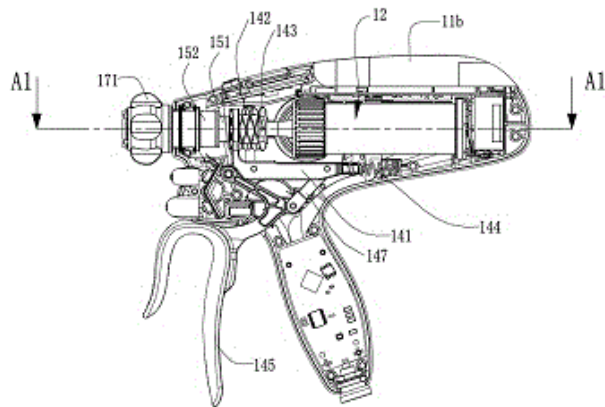


21: 2023/04813. 22: 2023/04/26. 43: 2024/06/28
 51: C12N; C12P; C12R
 71: LESAFFRE ET COMPAGNIE
 72: DALY, SIMONA, GALLIANI, STEFANO,
 BUSIELLO, IMMACOLATA, GRIGIS, MATTEO,
 TAGLIANI, AURO ROBERTO
 33: IT 31: 102020000022846 32: 2020-09-28
**54: RECOMBINANT YEAST FOR THE
 PRODUCTION OF OLIGOPEPTIDE**

00: -
 The invention relates to a recombinant yeast wherein the PEP4 gene is inactivated. Said yeast is useful for the production of oligopeptides.

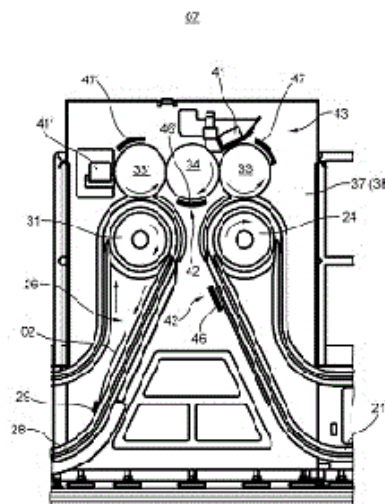
21: 2023/04815. 22: 2023/04/26. 43: 2024/06/28
 51: A61B
 71: ENSURGE MEDICAL (SUZHOU) CO., LTD.
 72: ZHANG, JUN
 33: CN 31: 202011212999.8 32: 2020-11-04
 33: CN 31: 202120458579.1 32: 2021-03-03
 33: CN 31: 202110721818.2 32: 2021-06-28
**54: ULTRASONIC SCALPEL HANDLE,
 ULTRASONIC SCALPEL AND ULTRASONIC
 SCALPEL SYSTEM**

00: -
 An ultrasonic scalpel handle (1), an ultrasonic scalpel and an ultrasonic scalpel system, wherein the ultrasonic scalpel comprises the ultrasonic scalpel handle (1) and a blade (2). The blade (2) comprises an inner tube (22), an outer tube (21) and a shaft (25) which extend in the front-rear direction, wherein the shaft (25) is disposed through the inner tube (22) and the outer tube (21) is sleeved outside the inner tube (22). The ultrasonic scalpel handle (1) comprises a handle housing (11) and a transducer assembly (12). The transducer assembly (12) at least comprises a transducer (122) having a horn shaft (1222) which extends in the front-rear direction. A novel connection assembly (15) is disposed inside the ultrasonic scalpel handle (1) and achieves stable and reliable connection between the blade (2) and the ultrasonic scalpel handle (1). Thus the blade (2) is easy to mount and operate, does not shake during a surgery operation, has better operation accuracy, and enhances the overall texture of the ultrasonic scalpel. At the same time, the ultrasonic scalpel system comprises only three components, and is easier to store and use.



21: 2023/04817. 22: 2023/04/26. 43: 2024/06/28
 51: B41F; B41M; B42D
 71: KOENIG & BAUER AG
 72: KREPS, EDWIN, THONY, EMMANUEL
 33: DE 31: 10 2020 125 728.7 32: 2020-10-01
 33: DE 31: 10 2020 125 727.9 32: 2020-10-01
**54: DEVICE AND METHOD FOR ALIGNING
 MAGNETIC OR MAGNETIZABLE PARTICLES,
 AND MACHINE FOR GENERATING OPTICALLY
 VARIABLE IMAGE ELEMENTS**
 00: -

The invention relates to a device for aligning magnetic or magnetisable particles (P) which are contained in a coating agent (06) applied to a side of a strip-shaped or arcuate substrate (02), the device having a first aligning means (33; 33') which is arranged in the transport path of the substrate (02) to be conveyed and has a plurality of magnets (44) in the region of its side facing the transport path in order to align, in each case in a surface region having the coating agent (06), at least some of the particles (P) contained in the coating agent (06) in a defined manner in order to generate image information, wherein the magnets (44) of the first aligning means (33;33') which are used for the alignment and the substrate (02) which is supplied with the coating agent (06) containing the particles (P) move synchronously with one another at least on a portion of the transport path. At least one further aligning means (42; 43) which is attached to the frame on the transport path during operation and has a plurality of magnets (46; 47) which remain stationary in the device during operation is allocated in front of or opposite the first aligning means (33; 33') in the transport path of the substrate (02) to be conveyed. The invention further relates to a printing machine having such a device as well as to a method for aligning magnetic or magnetisable particles.



21: 2023/04819. 22: 2023/04/26. 43: 2024/06/28
 51: C11D
 71: UNILEVER GLOBAL IP LIMITED

72: NAIK, MAHESHWARA SHIVA,
KOTTUKAPALLY, JIJI PAUL
33: EP 31: 20212141.4 32: 2020-12-07

**54: A HARD SURFACE CLEANING
COMPOSITION**

00: -
The present invention relates to liquid aqueous detergent compositions comprising a surfactant system comprising a primary surfactant being anionic surfactant and a secondary surfactant being amphoteric surfactant whilst the surfactant system is free of alkylbenzene sulphonates and derivatives thereof. The invention further relates to a method of cleaning a stainless-steel hard surface using the composition of the invention, as well as the use thereof.

21: 2023/04820. 22: 2023/04/26. 43: 2024/06/28
51: A61K; A61Q; C11D
71: UNILEVER GLOBAL IP LIMITED
72: CAO, YIXUAN, SHENG, SAIHONG, SUN,
YINGQING, ZHU, SUNXIN
33: CN 31: PCT/CN2020/133451 32: 2020-12-02
33: EP 31: 21151535.8 32: 2021-01-14

54: SKIN CLEANSING COMPOSITION

00: -
Disclosed is a skin cleansing composition comprising anionic surfactant selected from alkyl sulfates, alkyl ether sulfates, or a mixture thereof; polypropylene glycol; and diol; wherein the weight ratio of the diol to the anionic surfactant is at least 1:5.

21: 2023/04821. 22: 2023/04/26. 43: 2024/06/28
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BAGGI, PAOLA, CROWLEY, GILES JAMES,
JAMIESON, ANDREW STEPHEN, LECCE,
TERESA, LUPI, LAURA
33: EP 31: 20206582.7 32: 2020-11-10

**54: AQUEOUS ALKALINE ABRASIVE CLEANING
COMPOSITION**

00: -
The present invention relates to aqueous alkaline abrasive cleaning compositions comprising quaternary ammonium compound that are stable over time.

21: 2023/04862. 22: 2023/04/28. 43: 2024/06/28
51: A01N; A01P

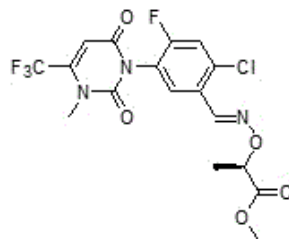
71: QINGDAO KINGAGROOT CROPSCIENCE CO.,
LTD., INSTITUTE FOR THE CONTROL OF
AGROCHEMICALS OF SHANDONG PROVINCE
(SHANDONG PROVINCE AGROCHEMICALS
QUALITY INSPECTION STATION)

72: GAO, CHUANJIE, ZHANG, YAOZHONG, CHI,
GUIBING, LI, XIANGYANG, LU, XINGTAO, JIN,
TAO, LI, PINGSHENG, CUI, QI, WANG, PENG,
CHEN, SHUANG

33: CN 31: 202210241773.3 32: 2022-03-11

**54: HERBICIDAL COMPOSITION AND
APPLICATION THEREOF**

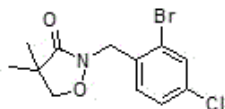
00: -
The present invention belongs to the field of pesticides, and particularly relates to a herbicidal composition and an application thereof. The herbicidal composition comprises herbicidally effective amounts of active ingredient A and active ingredient B, wherein, the active ingredient A is; and the active ingredient B is one or more compounds selected from haloxyfop-P-methyl, cyhalofop-butyl and imazapyr. The composition is capable of effectively controlling weed problems such as *Spartina alterniflora* and has the features of expanding spectrums for weed control, reducing amount of application, being able to generate synergistic effects and solve resistant weed issues, etc.



21: 2023/04863. 22: 2023/04/28. 43: 2024/06/28
51: A01N; A01P
71: QINGDAO KINGAGROOT CROPSCIENCE CO.,
LTD., INSTITUTE FOR THE CONTROL OF
AGROCHEMICALS OF SHANDONG PROVINCE
(SHANDONG PROVINCE AGROCHEMICALS
QUALITY INSPECTION STATION)
72: GAO, CHUANJIE, ZHANG, YAOZHONG,
ZHANG, RONGQUAN, JIN, YAN, LU, XINGTAO, LI,
PINGSHENG, CUI, QI, WANG, PENG, CHEN,
SHUANG, JIN, TAO
33: CN 31: 202210242010.0 32: 2022-03-11
**54: HERBICIDAL COMPOSITION COMPRISING
BENTAZONE AND APPLICATION THEREOF**

00: -

The present invention belongs to the field of pesticides, and particularly relates to a herbicidal composition comprising bentazone and an application thereof. The herbicidal composition comprises herbicidally effective amounts of active ingredient A and active ingredient B, wherein, the active ingredient A is [shown separately] and the active ingredient B is bentazone. The composition is capable of controlling various weed problems in maize-soybean strip intercropping fields, having high safety and good selectivity on crops, and has the features of expanding spectrums for weed control, reducing amount of application, being able to generate synergistic effects and solve resistant weed issues, etc.



21: 2023/04892. 22: 2023/05/02. 43: 2024/06/03

51: G06K

71: Idemia Identity & Security France

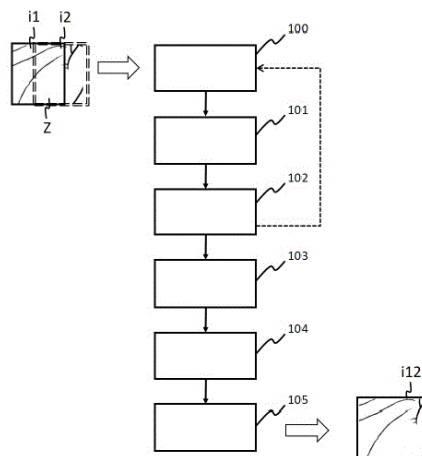
72: MABYALAHT, Guy, KAZDAGHLI, Laurent

33: FR 31: 2204184 32: 2022-05-03

54: METHOD FOR GENERATING A PALM IMAGE BASED ON PARTIAL IMAGES OF A PALM

00: -

The invention relates to a method for generating an image of a palm based on a first partial image (i1) of a palm of the individual and on a second partial image (i2) of a palm, comprising: - a step (100) of detecting first characteristic points in the first image (i1) and second characteristic points in the second image (i2); - a pairing step (101) generating a plurality of pairs of characteristic points by matching first characteristic points with second characteristic points; - a step (103) of computing an overall geometric transformation associated with said matching; - a step (104) of determining a local geometric transformation for each pair of points; - a step (105) of merging the first image (i1) with the second image (i2) as a function of the overall geometric transformation and of the local geometric transformations, in order to generate the palm image.



21: 2023/05002. 22: 2023/05/05. 43: 2024/07/11

51: A24D; A24F

71: PHILIP MORRIS PRODUCTS S.A.

72: MOHSENI, Farhang

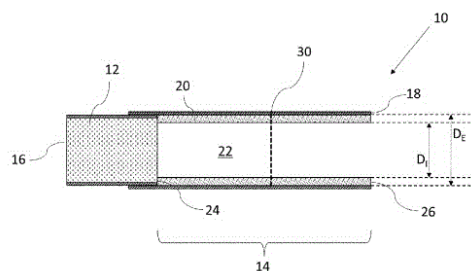
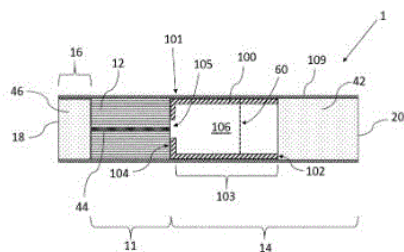
33: EP 31: 20201169.8 32: 2020-10-09

33: EP 31: 20201175.5 32: 2020-10-09

54: AEROSOL-GENERATING ARTICLE WITH TUBULAR ELEMENT HAVING AN OPENING

00: -

An aerosol-generating article comprising a plurality of elements assembled in the form of a rod (11). The elements comprise a first element (100,11) comprising an aerosol-generating substrate, and a tubular element (100, 200, 300, 500, 600, 700, 800) positioned upstream or downstream of the first element (100,11). The tubular element (100, 200, 300, 500, 600,700,800) comprises: a tubular body (103,203) defining a cavity (106, 206, 606) extending from a first end (101) of the tubular body (103,203) to a second end (102) of the tubular body (103, 203); and a folded end portion forming a first end wall (104, 105, 204A, 604,804) at the first end (101) of the tubular body (103,203). The first end wall (104, 105, 204A, 604, 804) delimiting an opening (105, 205A, 205B, 605B, 605) for airflow between the cavity (106, 206, 606) and the exterior of the tubular element (100,200,300,500,600).



21: 2023/05003. 22: 2023/05/05. 43: 2024/07/11
51: A24D; A24F

71: PHILIP MORRIS PRODUCTS S.A.

72: UTHURRY, Jérôme

33: EP 31: 20201025.2 32: 2020-10-09

33: EP 31: 20201041.9 32: 2020-10-09

33: EP 31: 20201046.8 32: 2020-10-09

33: EP 31: 20201052.6 32: 2020-10-09

33: EP 31: 20201125.0 32: 2020-10-09

33: EP 31: 20201137.5 32: 2020-10-09

54: AEROSOL-GENERATING ARTICLE WITH LOW DENSITY SUBSTRATE

00: -

An aerosol-generating article is provided. The aerosol-generating article comprises an aerosol-generating substrate and a downstream section extending from a downstream end of the aerosol-generating substrate to a downstream end of the aerosol-generating article. The aerosol-generating substrate has a density of no more than 0.5 grams per cubic centimetre. The aerosol-generating substrate has a length to diameter ratio of no more than 6.0. An aerosol-generating system is also provided. The aerosol-generating system comprises an aerosol-generating article and an aerosol-generating device. The aerosol-generating device has a distal end and a mouth end. The aerosol-generating device comprises a body extending from the distal end to the mouth end, the body defines a device cavity for removably receiving the aerosol-generating article at the mouth end of the device. The aerosol-generating device comprises a heater for heating the aerosol-generating substrate when the aerosol-generating article is received within the device cavity.

21: 2023/05122. 22: 2023/05/09. 43: 2024/06/07
51: A61K; A61P

71: PHARVARIS GMBH

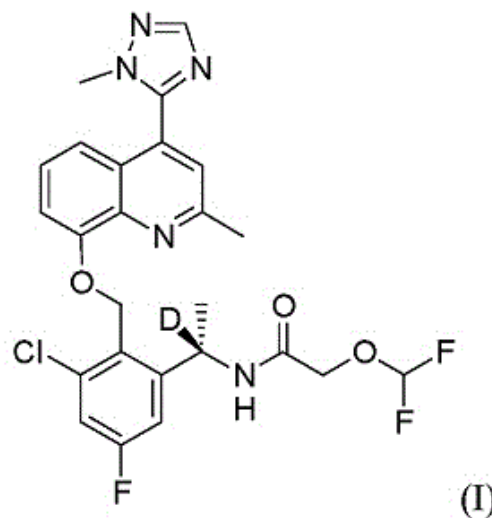
72: LESAGE, ANNE, LU, PENG

33: EP 31: 20207273.2 32: 2020-11-12

54: PROPHYLAXIS AND TREATMENT OF ANGIOEDEMA

00: -

The invention relates to a bradykinin (BK) B2-receptor antagonist having structural formula (I) for use in prophylactic treatment of angioedema (AE) or in a method of treating AE, wherein said compound is at least once orally administered in a therapeutically effective dose to prevent, alleviate or treat AE symptoms. This invention also provides a method of prophylactic treatment of a human patient suffering from AE or a method for on-demand treatment of a human patient who has experienced an acute AE attack, comprising orally administering to the human patient a therapeutically effective dose of the compound of formula (I) at least once to thereby alleviate or treat AE symptoms of the patient.



21: 2023/05159. 22: 2023/05/10. 43: 2024/07/15
 51: F23C; F23D; H01M
 71: AVL LIST GMBH

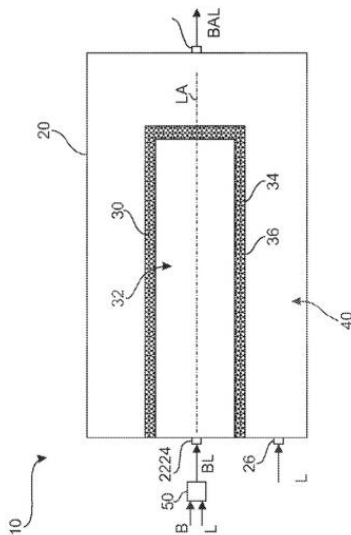
72: NEUBAUER, Raphael, REITER, Bernd,
 SCHLUCKNER, Christoph

33: AT 31: A51019/2020 32: 2020-11-24

54: BURNER DEVICE FOR A FUEL CELL SYSTEM

00: -

The present invention relates to a burner device (10) for a fuel cell system (100), having a burner housing (20) with a burner inlet (22) for admitting a fuel/air mixture (BL) and a burner outlet (24) for discharging a burner exhaust gas/air mixture (BAL), additionally having a catalyst body (30) within the burner housing (20) comprising a catalyst cavity (32) into which the burner inlet (22) opens, wherein the catalyst body (30) is gas-permeable and has a catalyst surface (34) with an at least partly catalytic coating (36), wherein a bypass volume (40) is formed between the catalyst surface (34) and the burner housing (20), said bypass volume opening into the burner outlet (24), wherein the catalyst body (30) additionally has a longitudinal axis (LA), and the catalyst surface (34) has a cross-sectional contour (QK) which deviates from a circular shape at least in some sections with respect to the longitudinal axis (LA).



21: 2023/05165. 22: 2023/05/10. 43: 2024/07/11
 51: A61B; A61N

71: ALPHA TAU MEDICAL LTD.

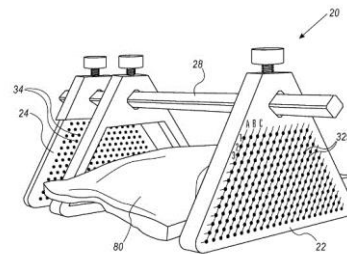
72: MAGEN, Ofer, DANA, Niv, TAL, Sagy, GAT,
 Amnon, DEN, Robert

33: US 31: 63/112,676 32: 2020-11-12

54: RADIOTHERAPY TEMPLATE ASSEMBLY

00: -

A template assembly including a first grid (22) for placement on a first side of a body organ, defining a plurality of apertures (329) adapted to receive elongate applicators (410), a second grid (24) for placement on a second side of a body organ, defining a plurality of apertures (34), adapted to receive applicators passing through apertures of the first grid and the body organ and at least one frame (26) defining a large hole (72), positioned between the first and second grids and configured to grasp the body organ.



21: 2023/05307. 22: 2023/05/15. 43: 2024/06/05
 51: A62C

71: Paradigm Flow Services Limited
 72: MACKENZIE, Hugh, THOMSON, Ashley,
 MACAULAY, Angus

33: GB 31: 2016462.0 32: 2020-10-16

54: METHOD AND APPARATUS FOR TESTING A TUNNEL FIRE SUPPRESSION SYSTEM

00: -

A method for testing a tunnel fire suppression system in the form of a water deluge system having a wet side and a dry side separated by a valve, includes the step of providing a nozzle arrangement comprising a plurality of nozzles, with each nozzle disposed in or coupled to an outlet of the water deluge system. The nozzle arrangement comprises, is coupled to or operatively associated with a sensor arrangement configured to measure the pressure of air at each of the plurality of outlets of the water deluge system and output one or more output signals indicative of the pressure of the air at the one or more outlets. The method includes providing a supply of pressurised air through the water deluge system using a blower coupled to the water deluge

system. The method further includes measuring the pressure of the air at the one or more outlets of the water deluge system and outputting an output signal indicative of the pressure of the air at the one or more outlets, and conveying the output signal to a processing system configured to determine from said one or more output signals the flow rate of the air supply at the one or more outlets.

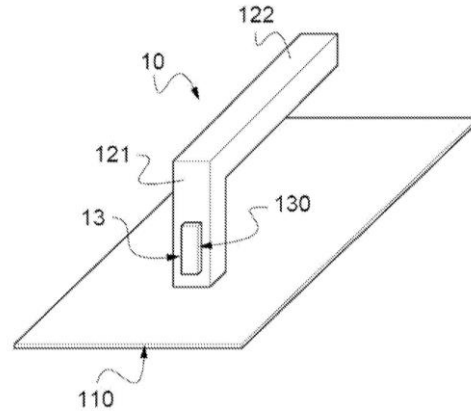


FIG. 1

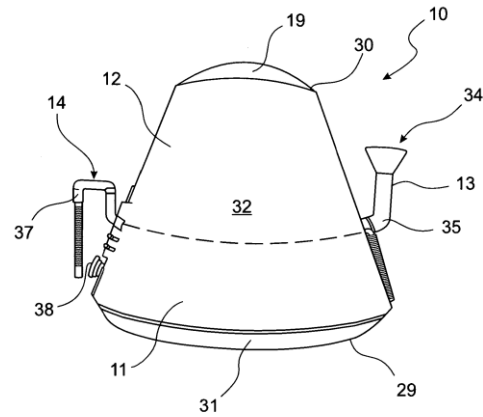
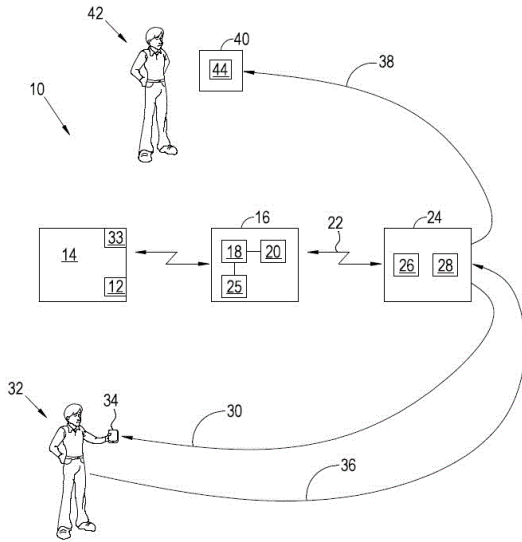
21: 2023/05484. 22: 2023/05/19. 43: 2024/05/28
 51: E04F; G01L
 71: Saint-Gobain Weber France, Saint-Gobain Placo
 72: ARANGALAGE, Mélanie, BEAUMONT, Julien,
 LEIVA MUNOZ, Raül, CARDOSO DA SILVA, Luis
 33: FR 31: 2012470 32: 2020-12-01

54: INSTRUMENT FOR MEASURING THE FORCE FOR SPREADING A PASTE

00: -
 The present invention relates to an instrument (1) for determining the spreading capacity of a coating or a surface, comprising a plate (11) on which gripping means (12) are secured, the tool comprising means (13) for measuring the coating to be spread, characterised in that the measuring means comprise at least one force sensor for generating data relating to the average force applied on the instrument, the maximum force applied on the instrument and the duration, in order to provide a signal representative of the capacity of the coating or the surface to be spread.

21: 2023/05641. 22: 2023/05/25. 43: 2024/06/24
 51: G06Q
 71: INSURE IOT (PTY) LTD
 72: MURMAN, Christian Theodor
 33: ZA 31: 2020/07654 32: 2020-12-09
54: DATA DRIVEN INSURANCE SYSTEM
 00: -

A system is provided comprising a sensor to monitor a variable in respect of an item of equipment, and a monitoring box in communication with the at least one sensor. The monitoring box comprises an exception processor to compile an exception message when the monitored variable/s exceeds or falls below a predetermined level, and to send the exception message to a remote monitoring system. The remote monitoring system comprises a monitoring processor that is arranged to send the exception message to a remediator responsible for the item of equipment; receive a message from the remediator that the exception has been resolved; determine the length of time it took to resolve the exception and compile a related remediation message; and send the remediation message, via a communication interface, to an insurance computing device that is arranged to adjust a related insurance premium in respect of the item of equipment based on the remediation message.



21: 2023/05842. 22: 2023/05/31. 43: 2024/06/07
51: C12M

71: NOA CLIMATE GMBH

72: DE WET, Francois, STORBECK, Kenny

54: APPARATUS FOR PRODUCTION AND INTERMEDIATE STORAGE OF BIOGAS

00: -

Apparatus (10) for production and intermediate storage of biogas; the present invention especially relates to a small-scale or ultrasmall-scale biogas plant comprising a fermenter (11), a biogas collection chamber (12) and inlets (13) for the biogas substrate to be fermented and outlets (14, 38) for the fermented residual biogas material, withdrawal means (46, 47) for the biogas and applications for the control and regulation (48) of the fermentation process in the fermenter (11). The fermenter (11) of the apparatus (10) in its installed position transitions in the upward direction directly into the biogas collection chamber (12), wherein the transition between the fermenter (11) and the biogas collection chamber (12) is determined by the fill level of the biogas substrate to be fermented and the fermenter (11) and the biogas collection chamber (12) are substantially integrally connected to one another and made of a foldable, tear-resistant, flexible textile fabric with a gas- and liquid-tight coating.

21: 2023/05899. 22: 2023/06/02. 43: 2024/07/04
51: A23L

71: AIKO PET FOODS SA (PTY) LTD

72: REH, Christina Antonie, ZUCHE, Nora Zoe Swantje

54: AGE-TAILORED NUTRITIONAL COMPOSITION FOR A DOG

00: -

The invention relates to an age-tailored nutritional composition for a dog comprising insects between 10 and 60 percent by total weight of the composition. The insects serve at least as a protein source. A total protein content in the composition is between 230 and 300 g/kg for a dog between 2 to 14 months of age; and a total protein content in the composition is between 200 and 225 g/kg for a dog above 14 months of age. The age-tailored nutritional composition further comprises rooibos. In addition, the invention relates to an age-tailored nutritional composition system comprising of a first nutritional composition for a dog between 2 to 14 months of age and a second nutritional composition for a dog above 14 months of age for use in providing a suitable nutrition to dogs as well as to the use of the age-tailored nutritional composition system for feeding a dog.

21: 2023/06011. 22: 2023/06/06. 43: 2024/06/10
51: B25J; G01N

71: AMERICAN SCIENCE AND ENGINEERING, INC.

72: COUTURE, AARON, OZTAN, BASAK

54: SYSTEMS AND METHODS FOR USING BACKSCATTER IMAGING IN PRECISION AGRICULTURE

00: -

Systems and methods for determining a mass of a crop by using at least one X-ray scanner is provided. The method includes obtaining at least two scan images of the crop, where a first of the at least two images is obtained along a first plane relative to the crop and a second of the at least two images is obtained along a second plane relative to the crop, and where the first plane is angularly displaced relative to the second plane, registering the first image and the second image, correcting the registered first and second images, and determining the mass of the crop from the corrected first and second images.

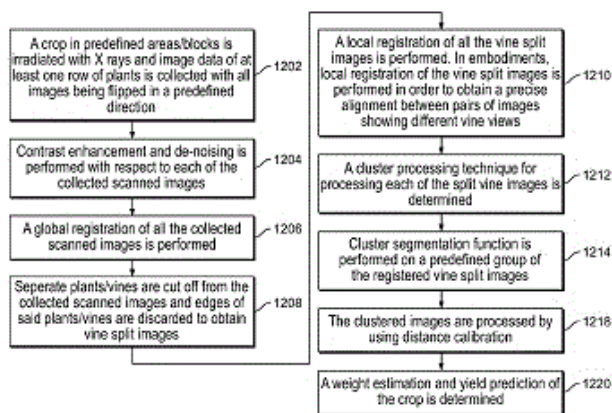
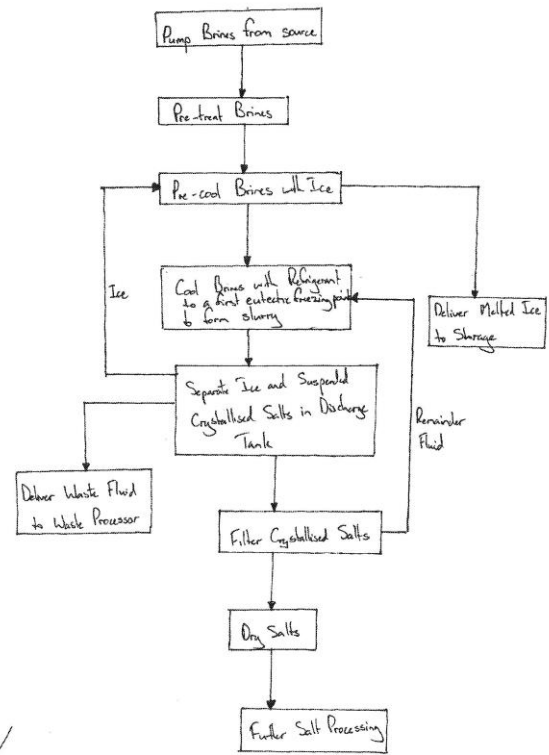


FIG. 12A

21: 2023/06149. 22: 2023/06/09. 43: 2024/06/05
 51: B01D; C01D; C02F
 71: Everflo Australia Pty Ltd
 72: SMITH, Bruce
 33: AU 31: 2020904137 32: 2020-11-11
54: SYSTEM AND METHOD OF TREATING BRINES
 00: -

A method of treating brines (10) comprising the steps of: pre-cooling the brines using a stream medium before further cooling the brines using a refrigerant. This further cooling of the brines continues until a first temperature equal to a eutectic freezing point of a mineral salt suspended in the brines is reached, such that the brines are transformed into an ice slurry. The ice is then separated from the ice slurry for use as part of the pre-cooling step. The remainder of the ice slurry is filtered to recover crystallised mineral salts suspended therein. A system for performing the method is also described.



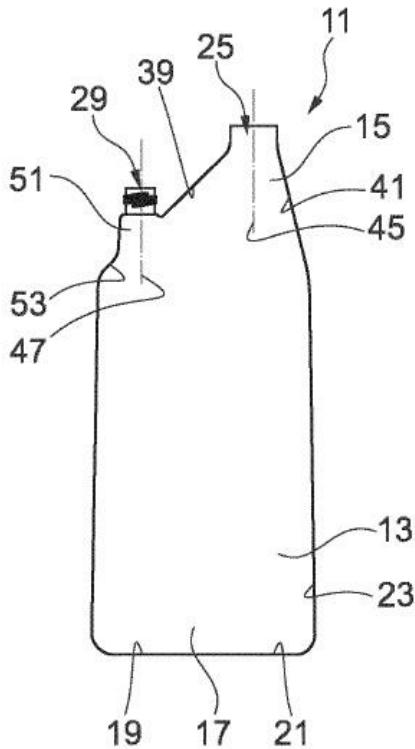
10

FIGURE 1

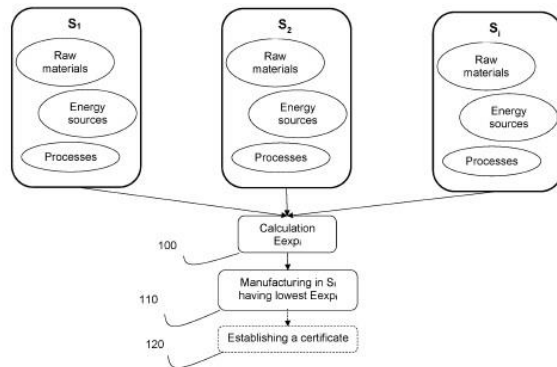
21: 2023/06814. 22: 2023/07/04. 43: 2024/08/05
 51: B65D
 71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG
 72: Oliver UNTERLECHNER, Florian HEIDER, Klemens BÖSCH, Thomas BOHLE
 33: CH 31: 00072/21 32: 2021-01-26
54: EXTRUSION BLOW-MOLDED CONTAINER
 00: -

The invention relates to a container (11) produced from a plastic material, in particular by extrusion blow molding, said container comprising a container body (13) having a first end (15) and a second end (17) substantially opposite the first end and having a jacket (14); a filling opening (25) having a first and second sealing surface formed on the inner wall (23) of the first end (15), wherein the first and second sealing surfaces can be connected to one another in a fluid-tight manner; and a container base (19) having a standing surface (21) formed at the second end (17) and a pouring opening (29) formed at the first end (15). The filling opening (25) has a first center axis (45), and the pouring opening (29) has a second center axis (47). The first and the second

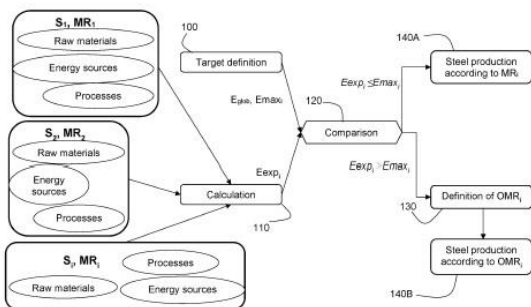
center axis (45, 47) are substantially parallel to one another.



21: 2023/06846. 22: 2023/07/05. 43: 2024/08/05
 51: C21B; C21C
 71: ARCELORMITTAL
 72: Hugo DA GAMA CAMPOS, Jean-Martin VAN DER HOEVEN
 33: IB 31: PCT/IB2021/051613 32: 2021-02-26
54: A METHOD OF MANUFACTURING OF A STEEL PRODUCT IN SEVERAL STEELMAKING UNITS
 00: -
 A method of manufacturing a steel product into at least two different steelmaking units wherein an expected level of CO2 emissions for the manufacturing of said product in each respective steelmaking unit is calculated.



21: 2023/06845. 22: 2023/07/05. 43: 2024/08/05
 51: C21B
 71: ARCELORMITTAL
 72: Hugo DA GAMA CAMPOS, Jean-Martin VAN DER HOEVEN
 33: IB 31: PCT/IB2021/051607 32: 2021-02-26
54: METHOD OF MANUFACTURING STEEL
 00: -
 A method to manufacture a global tonnage of steel products in at least two steelmaking units wherein expected level emissions are calculated and compared with pre-defined targets.



21: 2023/06870. 22: 2023/07/06. 43: 2024/08/05
 51: C21B
 71: ARCELORMITTAL
 72: Hugo DA GAMA CAMPOS, Jean-Martin VAN DER HOEVEN
54: MANUFACTURING METHOD OF A STEEL PRODUCT
 00: -
 A method to manufacture a steel product in a steelmaking plant comprising several different tools, the method including the definition of at least two manufacturing routes using different tools and the calculation of the expected level of CO2 emissions associated to each of this defined manufacturing routes.

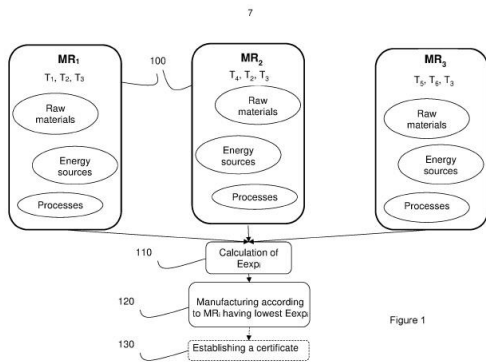


Figure 1

21: 2023/06904. 22: 2023/07/07. 43: 2024/08/05
 51: B29C; B29B
 71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG

72: Robert SIEGL, Benjamin HAAS

33: CH 31: 000117/2021 32: 2021-02-08

33: CH 31: 070736/2021 32: 2021-12-17

54: METHOD FOR PRODUCING AN RPET PLASTIC MATERIAL FOR USE IN A THIN WALL INJECTION MOLDING PROCESS AND HOLLOW BODY PRODUCED IN THE THIN WALL INJECTION MOLDING PROCESS

00: -

The invention relates to a method, in which a starting material for injection molding having a viscosity of between 0.50 and 0.7 dl/g is produced with the aid of Chain Breaker from a recycled post-consumer PET having a viscosity of between 0.72 and 0.86 dl/g to ASTM D4603 and a copolymer fraction of at most approximately 3%. In the method, the comminuted and dried PET material is melted and decontaminated to such a degree that it is suitable for applications in the food sector and the consumer goods sector. A Chain Breaker is added to the rPET material in the melt of the recycling extruder and/or preferably in the melt of the injection unit in order to reduce viscosity and to enrich the PET with copolymers.

21: 2023/07150. 22: 2023/07/17. 43: 2024/08/08
 51: B02C

71: TERION AG

72: Martin DREISMANN, Peter MERKEL

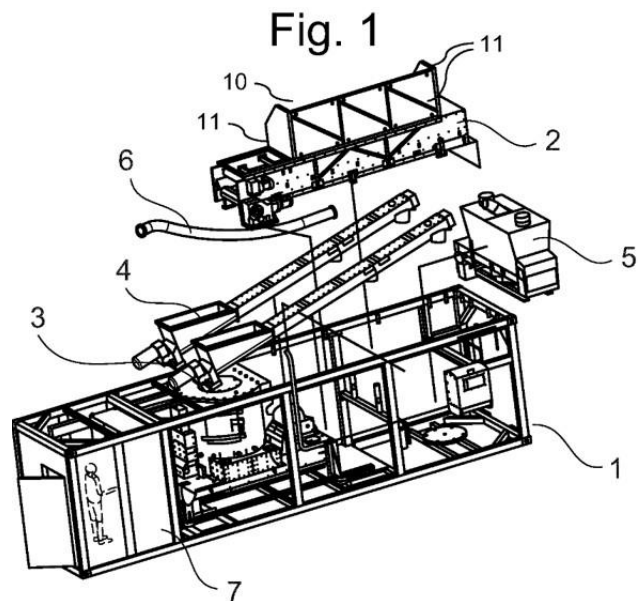
33: LU 31: LU102777 32: 2021-04-12

54: CROSS-FLOW SHREDDER FOR COMMUNUTING MATERIAL

00: -

The invention relates to a cross-flow shredder for comminuting material, comprising integrated dust-

tight conveying devices and an air recirculation function, and to a method for comminuting material using the cross-flow shredder according to the invention. A device and a method for comminuting grinding material are provided, said device comprising a discharge opening for grinding material, a feed device, a cross-flow shredder, two screw conveyors for conveying the grinding material, and a dust-tight intermediate bunker. The two screw conveyors are connected to the cross-flow shredder on the respective inlet side in a dust-tight manner and to the intermediate bunker on the outlet side in a dust-tight manner, wherein the intermediate bunker is connected to the cross-flow shredder via a hose or pipe system, and the intermediate bunker has an outlet opening which is closed by a slide.



21: 2023/07163. 22: 2023/07/17. 43: 2024/08/05
 51: F27B; F27D

71: KHD HUMBOLDT WEDAG GMBH

72: Matthias MERSMANN

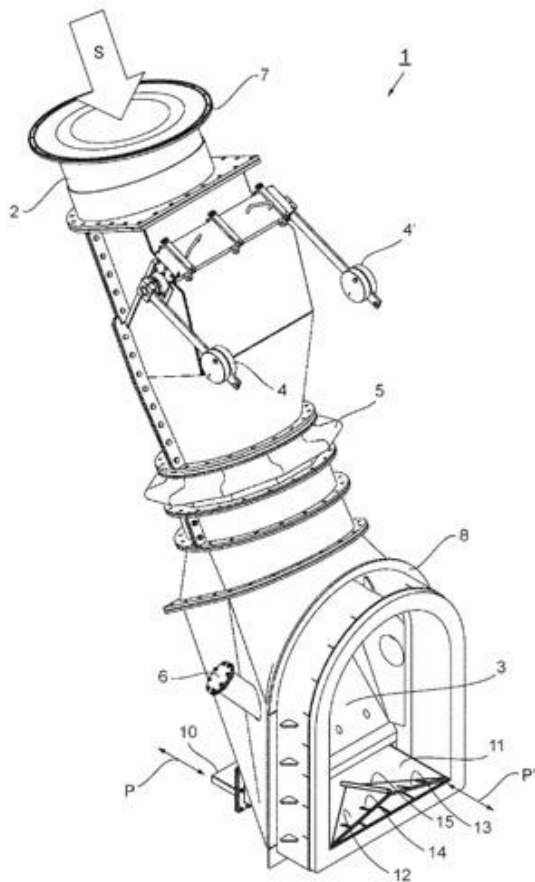
33: DE 31: 10 2021 100 941.3 32: 2021-01-19

54: RAW MEAL DELIVERY DEVICE

00: -

The invention relates to a raw meal delivery device (1) for delivering raw meal (R) into a gas line, such as a riser of a heat exchanger cyclone (112, 113), or into a reactor, such as a calciner (170), of a system (100) for producing cement clinker, having a connection line (2) for connecting a raw meal line (120) to the gas line or to the reactor, an oblique raw meal chute (3), which is arranged inside the

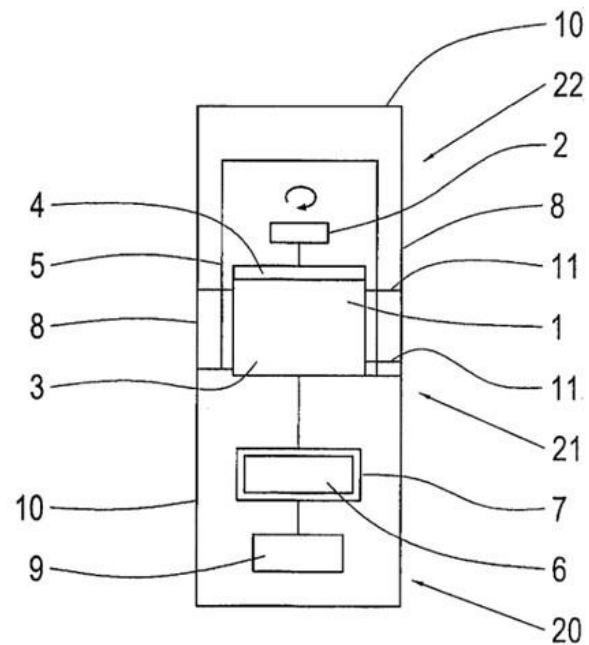
connection line (2) and via which raw meal (R) passes from the raw meal line (120) into the gas line or the reactor, a baffle slide (10) being arranged at the foot of the raw meal chute (3) and protruding into the path of the raw meal flowing via the raw meal chute and deflecting the incoming raw meal (R). According to the invention, a substantially convex displacement body is arranged on the baffle slide (10) and lies in the path of the incoming raw meal and disperses the flow of raw meal (R). The displacement body disperses the raw meal (R) on entry into the calciner (170) with the effect of faster calcination. As a result, the performance of the calciner can be improved with small means.



21: 2023/07330. 22: 2023/07/24. 43: 2024/08/05
 51: A61H
 71: R+H SPÓŁKA Z OGRANICZONĄ
 ODPOWIEDZIALNOŚCIĄ INNOVISION SPÓŁKĄ
 JAWNA
 72: Jens HERRGUTH
 33: US 31: 17/157,442 32: 2021-01-25
 33: DE 31: 10 2021 101 450.6 32: 2021-02-15

54: SEX TOY IN THE FORM OF A VIBRATOR FOR EROGENOUS STIMULATION, METHOD AND USE
 00: -

Sex toy in the form of a vibrator for erogenous stimulation, comprising an electromotive drive which drives at least one eccentric flywheel in rotation, wherein this eccentric flywheel rotates eccentrically in a rotation frequency range and therefore the vibrator vibrates in this frequency range and therefore its working vibration frequency range, wherein the diameter of the motorized drive is between 5 mm and 50 mm, wherein this motorized drive is configured in such a way that it is acoustically virtually imperceptible during operation.

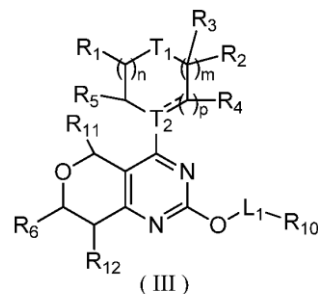
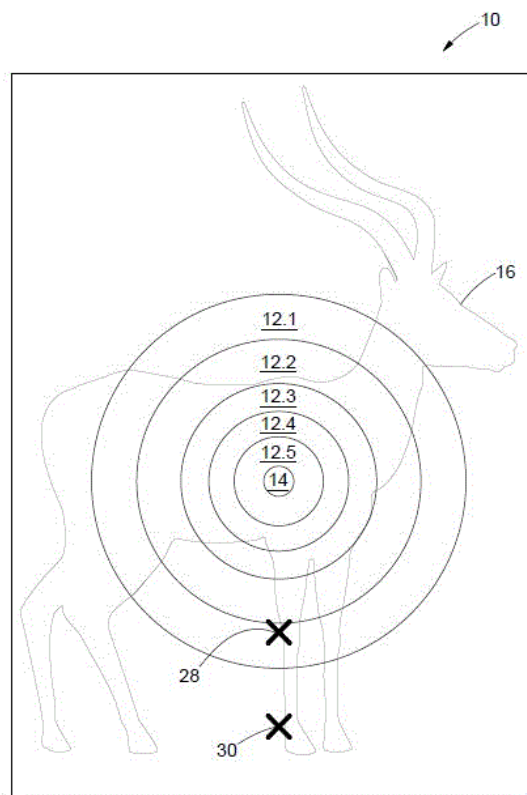


21: 2023/07526. 22: 2023/07/28. 43: 2024/07/26
 51: F41J
 71: VELDSMAN, De Waal Louis
 72: VELDSMAN, De Waal Louis

54: HUNTING TARGET

00: -
 This invention relates to a hunting target which a hunter can use to determine their ethical hunting range. The hunting includes a series of concentric zones which each zone configured to represent a vital area of an animal at a corresponding distance. The series of concentric zones reduces in size relative to the increase in the corresponding distance. In use, the hunting target can be fired at from a predetermined distance to determine at what

distance the hunter can conduct an ethical hunt, where the vital area of the animal is struck, based on the smallest zone in which the projectiles struck the hunting target.



21: 2023/08185. 22: 2023/08/24. 43: 2024/07/19

51: C21B; H01M

71: ELECTRASTEEL, INC.

72: PHAM, Ai Quoc, NIJHAWAN, Sandeep, ALVAREZ, Adolfo, WALLACE, Colleen, FATUR, Steven

33: US 31: 63/165,502 32: 2021-03-24

54: 2-STEP IRON CONVERSION SYSTEM

00: -

Methods and systems for producing are disclosed. A method for producing iron, for example, comprises: providing an iron-containing ore to a dissolution subsystem comprising a first electrochemical cell; wherein the first anolyte has a different composition than the first catholyte; dissolving at least a portion of the iron-containing ore using an acid to form an acidic iron-salt solution having dissolved first Fe³⁺ ions; providing at least a portion of the acidic iron-salt solution to the first cathodic chamber; first electrochemically reducing said first Fe³⁺ ions in the first catholyte to form Fe²⁺ ions; transferring the formed Fe²⁺ ions from the dissolution subsystem to an iron-plating subsystem having a second electrochemical cell; second electrochemically reducing a first portion of the transferred formed Fe²⁺ ions to Fe metal at a second cathode of the second electrochemical cell; and removing the Fe metal.

21: 2023/08002. 22: 2023/08/17. 43: 2024/08/05

51: A61K; C07D; A61P

71: D3 BIO (WUXI) CO., LTD.

72: ZHANG, Yang, WU, Wentao, LI, Zhixiang, ZHU, Wenyuan, YANG, Ping, LI, Qiu, LI, Jian, CHEN, Shuhui

33: CN 31: 202110139674.X 32: 2021-02-01

33: CN 31: 202110258547.1 32: 2021-03-09

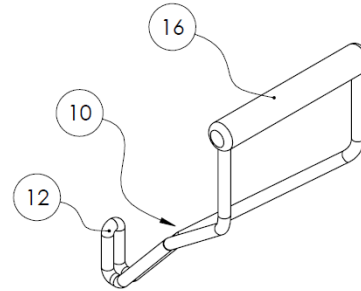
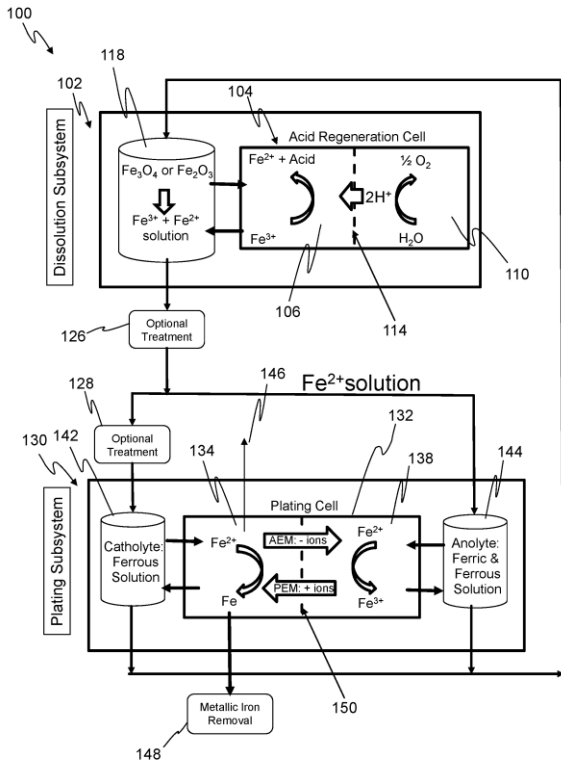
33: CN 31: 202110706033.8 32: 2021-06-24

33: CN 31: 202210070174.X 32: 2022-01-20

54: PYRIMIDOPYRAN COMPOUND

00: -

The present application relates to a pyrimidopyran compound, and specifically discloses a compound as represented by formula (III), and a pharmaceutically acceptable salt thereof.



21: 2023/08920. 22: 2023/09/19. 43: 2024/07/17
 51: A61B; G06T; G06Q
 71: OUTCOMES IT (PTY) LTD
 72: LAURENSON, Duncan Bain
 33: ZA 31: 2018/05963 32: 2018-09-06

54: A METHOD AND SYSTEM FOR SCHEDULING A HEALTHCARE APPOINTMENT
 00: -

The invention relates to an improved method and system for scheduling a healthcare appointment with a healthcare service provider. Both the method and system extends to include a treatment record generated and shared with a listing of healthcare service providers to better provide successful tailored treatment protocols to patients.

21: 2023/08404. 22: 2023/08/31. 43: 2024/03/05
 51: A61G
 71: BOTES, FRANCOIS
 72: BOTES, FRANCOIS

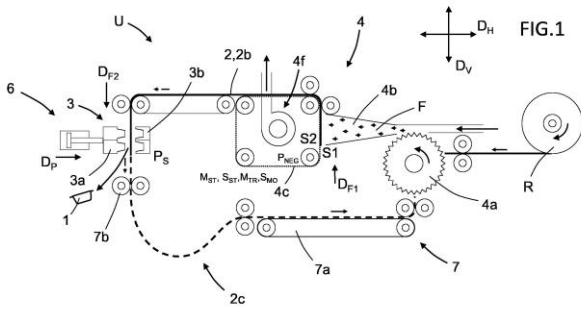
54: COFFIN TRANSPORT APPARATUS WITH REUSABLE HANDLES

00: -
 The invention pertains to an apparatus designed for the ergonomic and efficient transportation of coffins. It encompasses a removably attachable elongated member tailored to engage with specific formations on a coffin. This member incorporates a holding formation for manual grip. Unique detachment mechanisms, such as quick-release latches, magnetic systems, or hooked ends, allow the elongated member to be separated from the coffin once it's positioned over a resting place. An additional embodiment introduces a secondary elongated member, sliding through circular formations, enabling two individuals to stand on either side of the coffin for transportation. This design ensures adaptability to various coffin dimensions and offers an enhanced ergonomic experience for carriers.

21: 2023/09109. 22: 2023/09/27. 43: 2024/06/07
 51: B30B; B31B; B31F
 71: PulPac AB
 72: LARSSON, Ove, HÖGBLOM, Olle, LJUNGBERG, Martin, GUIDOTTI, Edward, ARLEROT, Björn, LARSSON, Patrik
 33: PCT/EP(SE) 31: 2021/059810 32: 2021-04-15
 33: PCT/EP(SE) 31: 2021/059811 32: 2021-04-15

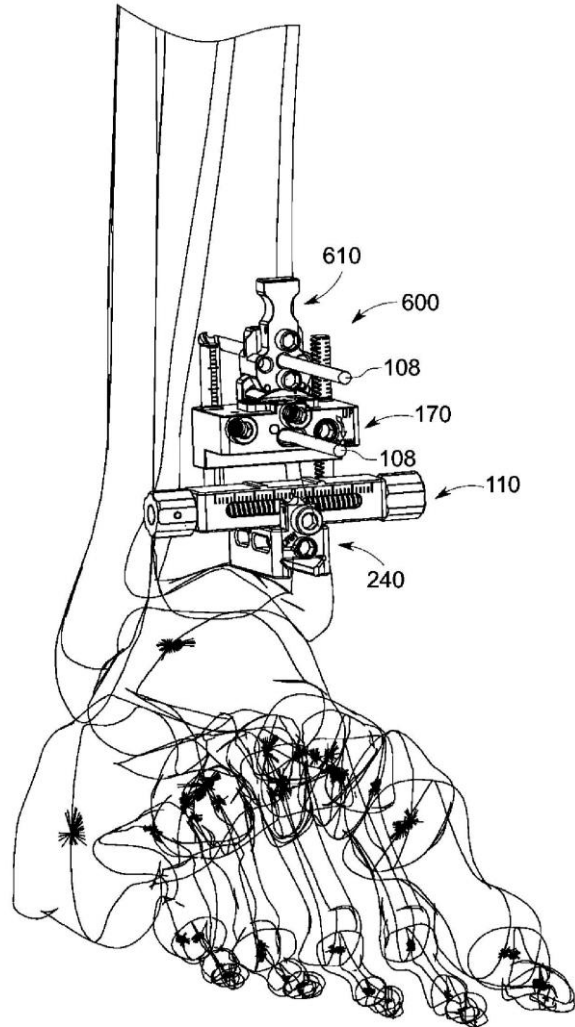
54: METHOD FOR DRY-FORMING CELLULOSE PRODUCTS FROM A CELLULOSE BLANK STRUCTURE IN A PRODUCT FORMING UNIT AND A PRODUCT FORMING UNIT

00: -
 Method for dry-forming cellulose products (1) from a cellulose blank structure (2) in a product forming unit. The product forming unit comprises a blank dry-forming module (4) and a pressing module (6). The cellulose blank structure (2) is air-formed in the blank dry-forming module (4) onto a forming wire (4c). The pressing module (6) comprises one or more forming moulds (3) for forming the cellulose products (1) from the cellulose blank structure in a pressing operation. The method comprises the step: arranging the forming wire in a stationary mode during the pressing operation.



21: 2023/09167. 22: 2023/09/29. 43: 2024/05/28
 51: A61B
 71: Paragon 28, Inc.
 72: LEE, Daniel J.
 33: US 31: 62/779,436 32: 2018-12-13
54: JOINT REPLACEMENT ALIGNMENT GUIDES, SYSTEMS AND METHODS OF USE AND ASSEMBLY

00: -
 Instruments, devices, systems and methods for maintaining, correcting and/or fusing joint deformities are disclosed. The system includes a first translation mechanism, a second translation mechanism coupled to the first translation mechanism, and a third translation mechanism coupled to the second translation mechanism. Methods of assembling and using the alignment guides for maintaining, correcting and/or fusing joint deformities are also disclosed.



21: 2023/09210. 22: 2023/10/02. 43: 2024/04/03
 51: E04H
 71: ELSE HOLDINGS (PTY) LTD
 72: ELSE, JOHN MARTIN
54: SPILL-PREVENTABLE CONTAINER WITH FASTENING MEANS

00: -
 The invention pertains to a spill-preventable container designed to fasten onto a second container, which contains materials with fluid flow characteristics, ensuring minimal spillage during decanting processes. This container employs multiple fastening mechanisms, including two-sided tape, a clip and groove mechanism, and magnetic elements. The design emphasizes versatility, accommodating various liquids from oils to paints. Unique design features include a taper for efficient stacking and a contour that enables it to snugly fit onto rounded objects. By capturing potential

spillage, the container enhances cleanliness, efficiency, and reduces waste across diverse industries and applications.

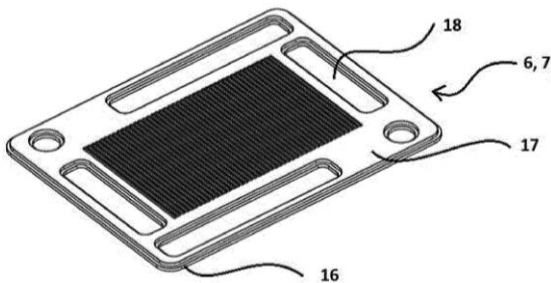


TOP PERSPECTIVE VIEW

21: 2023/09217. 22: 2023/10/02. 43: 2024/05/28
 51: C25B; H01M
 71: L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude
 72: ANDRE, Johan, SIRAC, Denis
 33: FR 31: 2103579 32: 2021-04-08

54: BIPOLAR PLATE FOR A FUEL CELL STACK OR AN ELECTROLYZER STACK

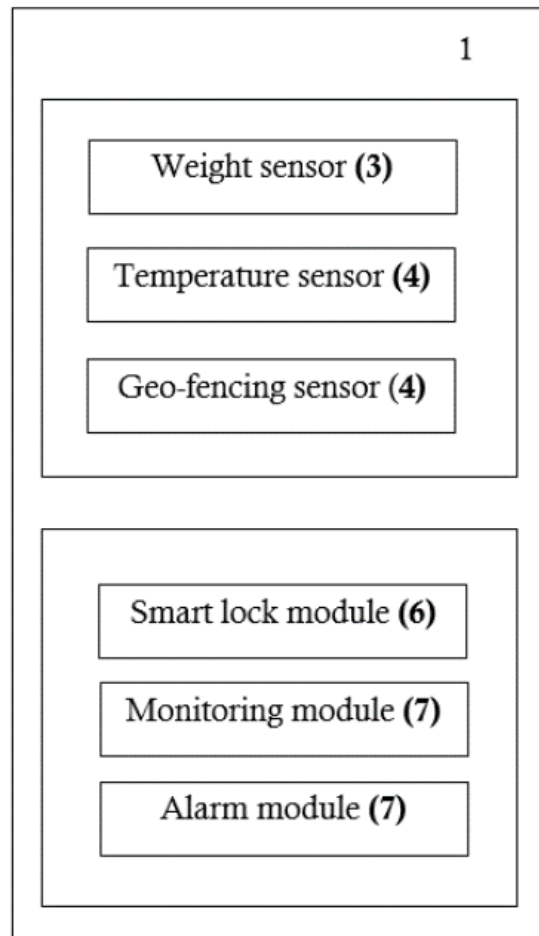
00: -
 The invention relates to a bipolar plate (6, 7) for a fuel cell stack or an electrolyzer stack, which bipolar plate (6, 7) comprises an anode plate (16) and a cathode plate (17) assembled to each other, facing each other, the face of the anode plate (16) opposite the face of the cathode plate (17) defining an internal space forming a circuit for distributing a first fluid, the anode plate (16) and the cathode plate (17) having distinct dimensions such that at least a portion of the peripheral end of the anode plate (16) and at least a portion of the peripheral end of the cathode plate (17) are offset relative to each other in the plane of the bipolar plate (6, 7), forming a shoulder at a peripheral end of the bipolar plate (6, 7).



21: 2023/09754. 22: 2023/10/19. 43: 2024/04/22
 51: B65D
 71: ETO MOTORS PVT LTD., KETO MOTORS PVT. LTD.
 72: MEDIMI, Raj Kumar

33: IN 31: 202241054469 32: 2022-10-23
54: A DETACHABLE SMART CONTAINER
 00: -

The present invention provides a detachable smart container (1) which is composed of a housing body (2) having at least one door (2') and incorporates an array of sensors seamlessly which is integrated into the housing body (2) to measure a set of parameters. A plurality of modules are integrated into the detachable smart container (1) and the modules include but not limited to a smart lock module (6), which relays real-time information about the detachable smart container's door status, a monitoring module (7) configured to meticulously scrutinize the recorded parameters, promptly identifying any instances of abnormal activity, and even predicting an estimated time of arrival for the container. Lastly, an alarm module (8) is present to notify users about any identified abnormal activities in the detachable smart container.



21: 2023/09762. 22: 2023/10/19. 43: 2024/06/03
51: F25J

71: Gaztransport et Technigaz

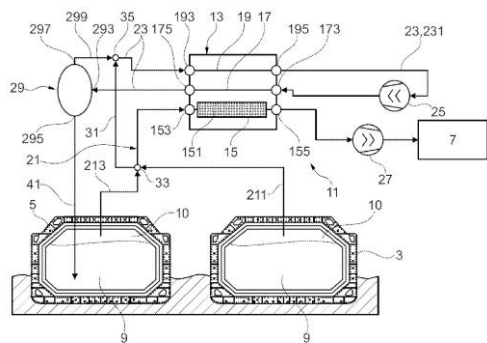
72: AOUN, Bernard, BORISEVICH, Pavel

33: FR 31: 2104153 32: 2021-04-21

54: DEVICE FOR LIQUEFYING GASEOUS DIHYDROGEN FOR OFFSHORE OR ONSHORE STRUCTURE

00: -

The present invention relates to a device (11) for liquefying gaseous dihydrogen resulting from the evaporation of dihydrogen in the liquid state (9) stored in at least one tank (3, 5). The liquefaction device (11) comprising at least one heat exchanger (13), at least one feed branch (21) configured to convey at least one portion of the gaseous dihydrogen from the tank (3, 5) to a gaseous dihydrogen consumer (7), a part of the feed branch passing through the heat exchanger inside of which is placed a catalyst (151) that is involved in the conversion of the parahydrogen to orthohydrogen, at least one cooling branch (23) comprising at least one compression member (25); a portion of the cooling branch (23) passing through the heat exchanger (13) exchanges heat with the first pass (15) in order to liquefy at least one portion of the dihydrogen circulating in the cooling branch and to heat the dihydrogen circulating in the feed branch (21).



21: 2023/10070. 22: 2023/10/27. 43: 2024/06/03
51: C07K; A61K

71: GUANGDONG FAPON BIOPHARMA INC.

72: LU, DI, HUO, YONGTING, LU, LISHENG

33: CN 31: 202111121937.0 32: 2021-09-24

33: CN 31: 202110871320.4 32: 2021-07-30

33: CN 31: 202210240917.3 32: 2022-03-10

33: CN 31: 202110436970.6 32: 2021-04-22

54: MULTIFUNCTIONAL BISPECIFIC FUSION POLYPEPTIDE

00: -

The present application relates to the technical field of biomedicines, and particularly to a bispecific fusion polypeptide. The bispecific fusion polypeptide comprises an antigen-binding moiety. The antigen-binding moiety comprises a first antigen-binding moiety comprising a first polypeptide comprising a first heavy chain variable domain VH1 of a first antibody from the N terminus to the C terminus, which is operably linked to a first conjugate fragment; and a second polypeptide comprising a first light chain variable domain VL1 of the first antibody from the N terminus to the C terminus, which is operably linked to a second conjugate fragment, wherein the first conjugate fragment and the second conjugate fragment are capable of specifically binding; and the first conjugate fragment is a receptor and the second conjugate fragment is a ligand; or the first conjugate fragment is a ligand and the second conjugate fragment is a receptor.

21: 2023/10142. 22: 2023/10/31. 43: 2024/05/02
51: A61G

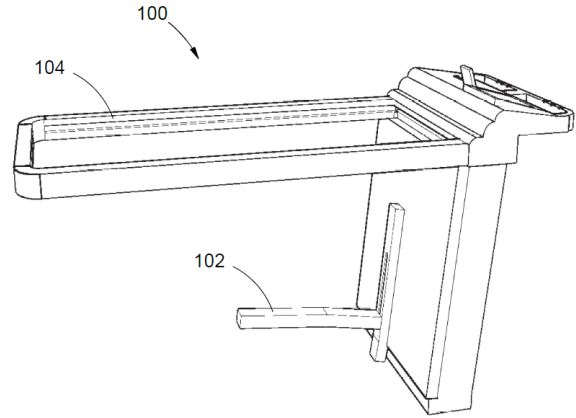
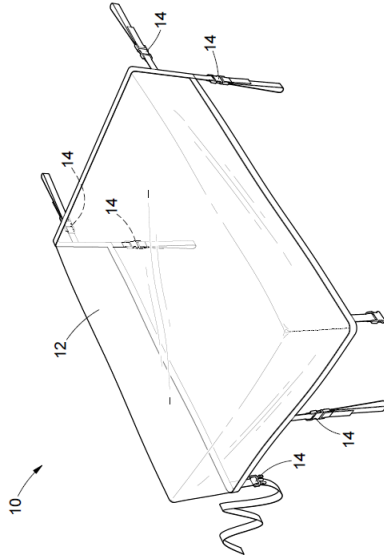
71: SAFETY CARENET (PTY) LTD

72: KARSTENS, RIAAN, SMITH, JOHAN

54: STRETCHABLE PERMEABLE BARRIER SYSTEM

00: -

The present invention introduces a safety barrier system, designated , tailored for beds equipped with side rails, commonly encountered in settings such as hospitals, mental institutions, and care homes. The system incorporates a stretchable and permeable Barrier Body designed to envelop the bed, thus preventing unintentional falls while promoting visibility and ventilation. Integrated Fastening means, which include clips with slidable tensioning mechanisms, allow secure attachment to various bed dimensions, ensuring optimal tension and adaptability. In operation, the barrier seamlessly integrates with traditional bed side rails and foot rails, enhancing occupant safety by creating a protective layer around the bed. This novel system marries safety with dignity, proposing a revolutionary approach to bed protection across diverse care environments.

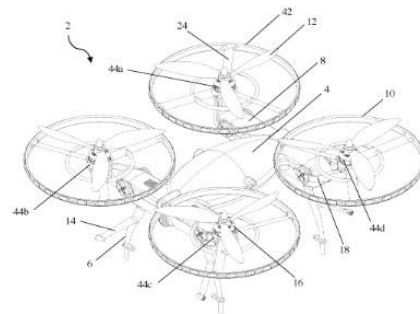


21: 2023/10148. 22: 2023/10/31. 43: 2024/05/02
 51: B62B
 71: MATHE, LETLHOGONOLO
 72: MATHE, LETLHOGONOLO
54: INTEGRATED SELF-LOCKING TROLLEY SYSTEM

00: -
 A state-of-the-art shopping trolley system designed to revolutionize the shopping experience. The trolley features a lockable lid that can be smoothly transitioned between its retracted and deployed states, offering 5 secure storage. Integrated paypoints streamline the checkout process. Advanced connectivity allows users to interact with the trolley using mobile devices, enabling control over various functionalities such as lid movement and wheel locking. The trolley also boasts a Basket Base Adjuster for optimal space customization. User-friendly buttons provide 10 direct control over lid operations. A track system ensures seamless lid movement, blending functionality with design sophistication. This innovative trolley system emphasizes user convenience, enhanced security, and efficient space utilization, making shopping more user-friendly and technologically advanced.

21: 2023/10279. 22: 2023/11/03. 43: 2024/08/14
 51: B60F; B60K; B64C
 71: THIUS CANADA INC.
 72: ROCHA, Bruno, JOSHI, Abhishek, IENZI, Maurizio, IENZI, Christoforo
 33: US 31: 63/172,111 32: 2021-04-08
54: MULTI-MODE CONVERTIBLE VEHICLE
 00: -

A convertible multi-mode vehicle capable of motorized travel in the air, on land, on water, and under water. The multi-mode vehicle is capable of controlled aerial flight, movement on the ground in terrestrial environments, on an aquatic surface, as well as underwater by changing between the different modes. Pivoting propulsion motors enable a convertible configuration from one vehicle locomotion mode to another.



21: 2023/10285. 22: 2023/11/03. 43: 2024/05/31
 51: B01D; C01B; C01F
 71: Carbonfree Chemicals Holdings, LLC
 72: JONES, Joe
 33: US 31: 63/174,977 32: 2021-04-14
54: METHODS AND COMPOSITIONS FOR THE SEQUESTRATION OF CARBON DIOXIDE
 00: -

The present invention relates to methods for capturing carbon dioxide and permanently sequestering carbon dioxide in the form of Group II metal carbonates. The invention involves production of HC1 by reacting steam with a material that includes a magnesium chloride hydrate. The HC1 that is generated from this process is used to leach Group II mineral salts from a variety of different materials, including minerals and industrial waste materials. The leached Group II mineral salts are used to capture carbon dioxide by forming Group II mineral salt carbonates.

21: 2023/10336. 22: 2023/11/06. 43: 2024/05/31
51: F25J

71: Praxair Technology, Inc.

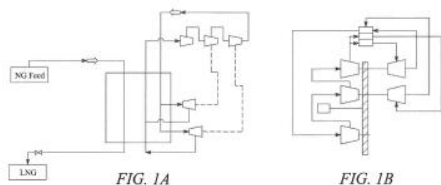
72: HOWARD, Henry Edward

33: US 31: 63/175,163 32: 2021-04-15

54: SYSTEM AND METHOD TO PRODUCE LIQUEFIED NATURAL GAS USING TWO DISTINCT REFRIGERATION CYCLES WITH AN INTEGRAL GEAR MACHINE

00: -

A system and method for liquefaction of natural gas using two distinct refrigeration circuits having compositionally different working fluids and operating at different temperature levels is provided. The turbomachinery associated with the liquefaction system are driven by a single three-pinion, three-turbine integral gear machine with customized pairing arrangements. The system and method of natural gas liquefaction further includes the conditioning of a lower pressure natural gas containing feed stream to produce a purified, compressed natural gas stream at a pressure equal to or above the critical pressure of natural gas and substantially free of heavy hydrocarbons to be liquefied.



21: 2023/10371. 22: 2023/11/07. 43: 2024/05/31
51: B01J; C01B
71: Hysilabs, SAS

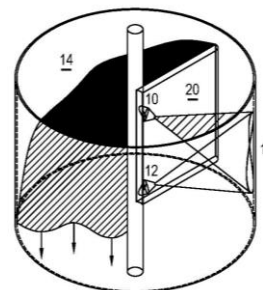
72: MASSE DE LA HUERTA, César Arturo, NATT, Alexandre, LOME, Vincent

33: EP(FR) 31: 21168116.8 32: 2021-04-13

54: DEVICE FOR CONTROLLED PRODUCTION OF A GAS FROM TWO FLUID REAGENTS DEPOSITED ON A SURFACE

00: -

A device is provided for controlled production of a gas from first and second liquid reagents that, when mixed, produce the gas and a non-gaseous byproduct, the device comprising a reactor surface (14) having a substantially vertical revolution axis; a shaft (24) centered on the revolution axis and rotating relative to the reactor surface; two nozzles (10, 12) attached to the shaft, configured to spray the first and second reagents respectively on the reactor surface, wherein the two nozzles are tilted toward each other so that the first and second reagents are sprayed with intersecting cones on a common area (16) of the reactor surface; and a scraper (20) attached to the shaft, configured to separate the byproduct from the reactor surface while following the nozzles at a distance sufficient to let the reagents react.



21: 2023/10394. 22: 2023/11/08. 43: 2024/06/03
51: G06F; G06Q

71: UBISI, Tshegofatso

72: UBISI, Tshegofatso

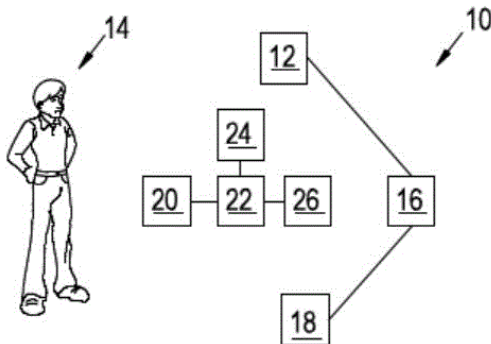
33: ZA 31: 2022/08874 32: 2022-08-08

54: ELECTRONIC PAYMENT SYSTEM AND RELATED METHOD

00: -

An electronic payment system is provided comprising receiving means to receive a payment of funds or a value item from a user; code generating means to generate a code in exchange for the monetary value of the paid funds or the value item; and a code transmission means to provide the code to the user. The code may then be used by the user

to pay for goods or services at a checkout point and/or be sent to a recipient and/or be used to draw money at a cash dispensing pay point (an ATM typically). In an embodiment, the code comprises an alphanumeric string or a scannable code, such as a barcode or QR code. In a first version, the receiving means comprises an ATM or a bank branch to receive the payment of funds in the form of cash.



21: 2023/10447. 22: 2023/11/09. 43: 2024/05/31
51: F25J

71: Praxair Technology, Inc.

72: HOWARD, Henry Edward

33: US 31: 63/175,207 32: 2021-04-15

54: SYSTEM AND METHOD TO PRODUCE LIQUEFIED NATURAL GAS USING TWO DISTINCT REFRIGERATION CYCLES WITH AN INTEGRAL GEAR MACHINE

00: -

A system and method for liquefaction of natural gas using two distinct refrigeration circuits having compositionally different working fluids and operating at different temperature levels is provided. The turbomachinery associated with the liquefaction system are driven by a single three-pinion or four-pinion integral gear machine with customized pairing arrangements. The system and method of natural gas liquefaction further includes the conditioning of a lower pressure natural gas containing feed stream to produce a purified, compressed natural gas stream at a pressure equal to or above the critical pressure of natural gas and substantially free of heavy hydrocarbons to be liquefied.

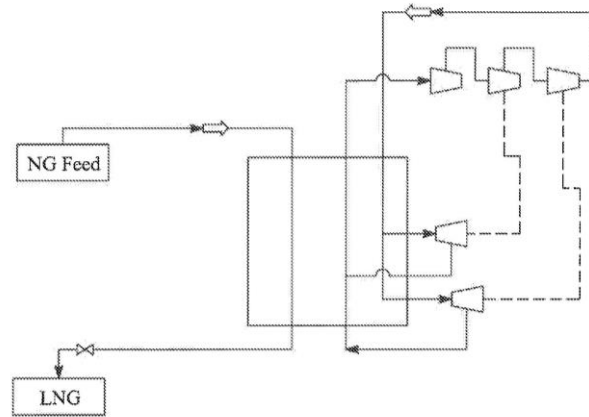


FIG. 1A

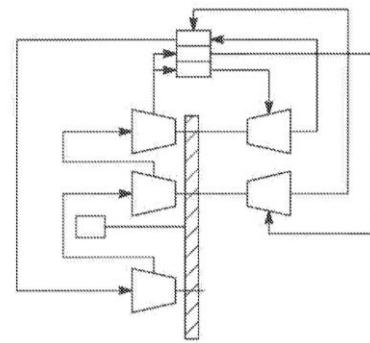


FIG. 1B

21: 2023/10448. 22: 2023/11/09. 43: 2024/05/31
51: F25J

71: Praxair Technology, Inc.

72: HOWARD, Henry Edward

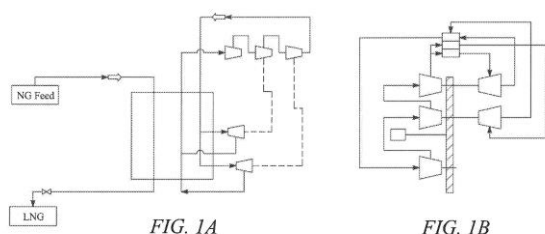
33: US 31: 63/175,347 32: 2021-04-15

54: SYSTEM AND METHOD TO PRODUCE LIQUEFIED NATURAL GAS USING TWO DISTINCT REFRIGERATION CYCLES WITH AN INTEGRAL GEAR MACHINE

00: -

A system and method for liquefaction of natural gas using two distinct refrigeration circuits having compositionally different working fluids and operating at different temperature levels is provided. The turbomachinery associated with the liquefaction system are driven by a single three-pinion or four-pinion integral gear machine with customized pairing arrangements. The system and method of natural gas liquefaction further includes the conditioning of a lower pressure natural gas containing feed stream to produce a purified, compressed natural gas containing stream at a pressure equal to or above

the critical pressure of natural gas and substantially free of heavy hydrocarbons to be liquefied.



21: 2023/10490. 22: 2023/11/10. 43: 2024/06/03
51: B09B
71: Companhia Brasileira de Alumínio, Universidade Federal de Viçosa - UFV
72: DE ANDRADE, Christian Fonseca, DA SILVA, Ivo Ribeiro, SENO JUNIOR, Roberto, BIGOGNO, Nilson Gonçalves, MOURA, Camila Botarro
33: BR 31: 102021007039-0 32: 2021-04-13

54: METHOD FOR RECYCLING ORE ENRICHMENT WASTE

00: -
The present invention relates to processes for recovering areas affected by mining by treating the soil. Within this context, the present invention provides a method for recycling ore enrichment waste, comprising the steps of: (i) generating solid or slurry ore enrichment waste, (ii) enriching the waste with at least two organic binders and a fertilizer to obtain enriched/improved waste, (iii) depositing the enriched waste on the land that has been mined to form an enriched subsoil, and (iv) depositing a top layer of soil on top of the enriched subsoil.



AA Top Layer of Soil
BB Enriched Waste
CC Barren Rock at the Bottom of the Mine
DD Preweathered Rock
EE Minimally Weathered Rock

21: 2023/10679. 22: 2023/11/17. 43: 2024/05/31
51: C07C; C08G
71: LANXESS Deutschland GmbH

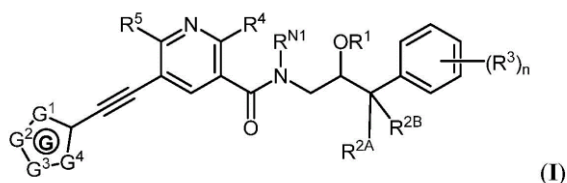
72: LAUFER, Wilhelm
33: EP(DE) 31: 21169385.8 32: 2021-04-20
54: PROCESS FOR PREPARING CARBODIIMIDES

00: -
The invention relates to a new process for the preparation of carbodiimides comprising the steps of a) carbodiimidising isocyanates in the presence of a catalyst, b) separating the catalyst and/or monomeric isocyanate from the carbodiimide by distillation or extraction in order to obtain a crude carbodiimide containing monomeric isocyanate, c) adding one or more alcohols and partial or complete reaction of the alcohol with the monomeric isocyanate of the crude carbodiimide.

21: 2023/10682. 22: 2023/11/17. 43: 2024/05/31
51: A61K; A61P; C07D
71: AbbVie Inc.

72: CUSACK, Kevin Patrick, HOEMANN, Michael Zeller, KINSMAN, David Andrew, OSMAN, Sami, STAMBULI, James Patrick, ARGIRIADI, Maria Anastasia, O'REILLY, Ciaran, DEXTER, Hannah, FORDYCE, Euan, ST. GALLAY, Steve
33: US 31: 63/231,590 32: 2021-08-10
54: NICOTINAMIDE RIPK1 INHIBITORS

00: -
Provided herein are compounds of Formula (I) and pharmaceutically acceptable salts thereof, useful as RIPK1 inhibitors, and pharmaceutical compositions comprising same. Further provided are methods of use and preparation. (I)

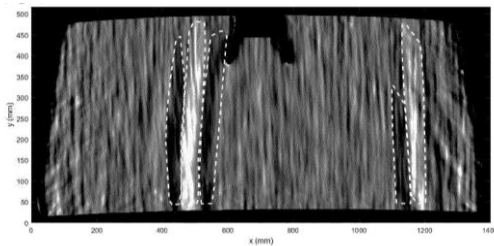


21: 2023/10684. 22: 2023/11/17. 43: 2024/05/31
51: G01N

71: Saint-Gobain Glass France
72: RYBARCZYK, Théo
33: EP(FR) 31: 21175028.6 32: 2021-05-20
54: METHOD FOR DETECTING OPTICAL DEFECTS WITHIN WINDSHIELD

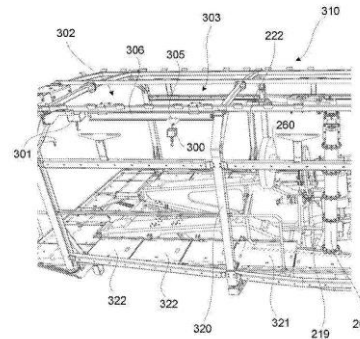
00: -
A method for detecting optical defects within a windshield. The method takes, as input, a digital image map of the intensity of optical power of a windshield, and provides, as output, a digital image

map of optical defects. The method comprises the following steps: (a) an image processing of said digital image map of optical powers for detecting and delimiting regions that differs in intensity of optical power; (b) computing, for each detected regions, a representative geometric distance and a representative value of the optical power; (c) computing an image map of the detected regions for which the product between the representative geometric distance and the representative value of the optical power is equal or superior to 2.9.104.



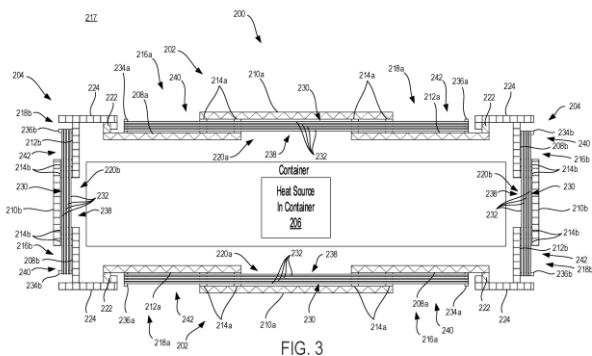
21: 2023/10720. 22: 2023/11/20. 43: 2024/05/31
 51: B66C; F03D
 71: Nordex Energy Spain, S.A.U.
 72: BERNARDEZ PIÑEIRO, Ramon, MARTINEZ DE NARVAJAS PASTOR, Xabier
54: JIB CRANE FOR A WIND TURBINE, JIB CRANE KIT, TRANSPORT SYSTEM AND MAINTENANCE SYSTEM, AS WELL AS METHODS

00: -
 A modular jib crane for a nacelle (106) of a wind turbine (100), comprising: a base element (201) for attaching the crane (200) to the nacelle (106); a pillar (202), a first end (203) of which can be coupled to the base element (201); and a first crane arm (206), a first end (207) of which can be coupled to the pillar (202), wherein at least one of either the pillar (202) or the first crane arm (206) comprises a plurality (209) of modules (210, 211) that can be coupled to one another to form said pillar (202) or first crane arm (206).



21: 2023/10761. 22: 2023/11/21. 43: 2024/06/10
 51: G21C; G21F
 71: Westinghouse Electric Company LLC
 72: TRUPIANO, Anthony G., STANISH, Adana L., DURFEE, Jonathan C., BROWN, William L.
 33: US 31: 17/308,353 32: 2021-05-05
54: MODULAR THERMAL AND RADIATION SHIELDING WITH PASSIVE HEAT REMOVAL
 00: -

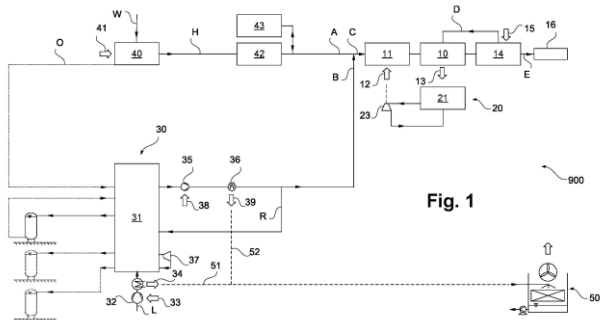
A housing assembly (200) configured to house a reactor is disclosed. The housing assembly (200) includes a plurality of modular walls (202, 204) configured to surround the reactor and a passive temperature control system (230). The plurality of modular walls includes (202, 204) a first modular wall (202). The passive temperature control system (230) is coupled to the first modular wall (202). The passive temperature control system (230) is configured to transfer heat between the reactor and an area around the housing assembly (200).



21: 2023/10869. 22: 2023/11/24. 43: 2024/06/03
 51: C01C; C25B; F24S; F25J
 71: Linde GmbH
 72: LAUTENSCHLAGER, Tobias
 33: EP(DE) 31: 21020288.3 32: 2021-06-01

54: METHOD AND PLANT FOR PRODUCING AMMONIA

00: -
 A method for producing ammonia by catalytically reacting hydrogen provided in a first feed stream and nitrogen provided in a second feed stream is proposed, the hydrogen in the first feed stream being at least in part formed by water electrolysis and the nitrogen in the second feed stream being at least in part formed by cryogenic air separation, wherein said cryogenic air separation is performed using an air separation unit (30) comprising a rectification column system (31), a recycle stream being formed in the air separation unit (30) from a gas stream at least predominantly comprising nitrogen which is withdrawn from the rectification column system (31), the recycle stream being, in the order indicated, compressed, cooled, expanded and reintroduced into the rectification column system, and wherein waste heat from said catalytically reacting hydrogen and nitrogen is transferred to a steam system (21) providing steam. Said cooling the recycle stream comprises transferring heat from the recycle stream to the steam system (21). A corresponding plant (100, 200) is also part of the invention.

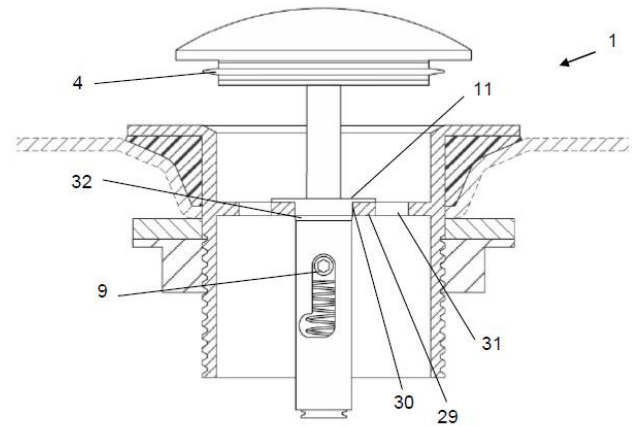


21: 2023/10996. 22: 2023/11/29. 43: 2024/05/30
 51: E03C
 71: BAHLMANN, Werner Lennard, SPENCER, Michael John David
 72: BAHLMANN, Werner Lennard, SPENCER, Michael John David

54: DRAIN PLUG

00: -
 A drain plug that is removably securable within a drain for the head of the drain plug to be movable between an open position in which the plug does not prevent the flow of fluid from through the drain, and a closed position in which the plug substantially

seals the drain to prevent the flow of fluid from the drain, with the drain plug being releasably securable in the closed position through application of a downward force and rotation of the head in a first direction, and to move the plug to the open position through application of a downward force and rotation of the head in the opposite direction.



21: 2023/11009. 22: 2023/11/29. 43: 2024/05/30
 51: E02B
 71: CHEN, Shih-Hsiung
 72: CHEN, Shih-Hsiung
 33: TW 31: 111147962 32: 2022-12-14

54: SEESAW-TYPE HYDROELECTRIC POWER GENERATION DEVICE

00: -
 A seesaw-type hydroelectric power generation device is provided, including an elongated container (10), a hydroelectric turbine module (20), a pivot structure (30) below the elongated container (10), and a jacking structure (40) placed on both sides of the pivot structure (30). The elongated container (10) includes a first compartment (13) and a second compartment (14), and a water flow passage (15) connecting them. The hydroelectric turbine module (20) includes an impeller (22) and a power generator (21), the impeller (22) disposed in the water flow passage (15). When force is applied to the elongated container (10), it tilts around the pivot structure (30). The working fluid (WF) flows reciprocally through the water flow passage (15), driving the impeller (22) to rotate and thus generating electricity. The electricity required to drive the elongated container is less than the electricity generated, allowing for the continuous generation of electricity.

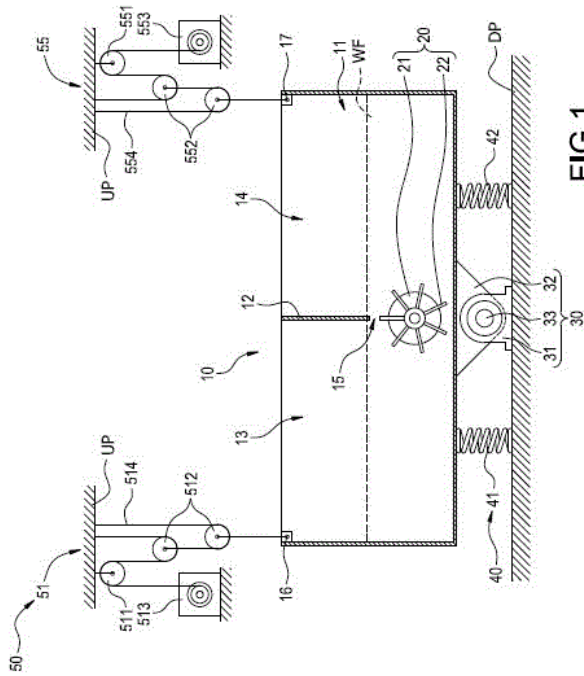


FIG.1

21: 2023/11013. 22: 2023/11/28. 43: 2024/05/28
 51: H01Q
 71: ZTE Corporation
 72: JIANG, Yu, ZHANG, Gongzhe, LIU, Pei, LIAO, Ruochen
 33: CN 31: 202110639536.8 32: 2021-06-08
54: ANTENNA INSTALLATION DEVICE AND ANTENNA

00: -
 Disclosed in the present application are an antenna installation device and an antenna. The antenna installation device comprises: a first support base, which is connected to a first antenna apparatus; a second support base, which is connected to a second antenna apparatus; and a holding pole assembly, which is fixedly connected to a holding pole, wherein the first support base and the second support base are fixedly connected to the holding pole assembly. The antenna installation device further comprises a centering assembly used for centering the first support base and the second support base, and comprising a centering rotating shaft, a centering adjustment rod and a conical gasket, wherein the centering rotating shaft is rotatably connected to the first support base; a fixed end of the centering adjustment rod is connected to the centering rotating shaft, and rotates in a vertical plane with the centering rotating shaft as the axis of rotation; the conical gasket is sleeved on the

centering adjustment rod and moves on the centering adjustment rod; and the second support base is provided with a centering channel penetrating therethrough, with at least one section of an inner surface of the centering channel being a conical face, such that when the conical face of the centering channel is flush against the conical surface of the conical gasket, the first support base and the second support base are centered and fixedly connected to each other.

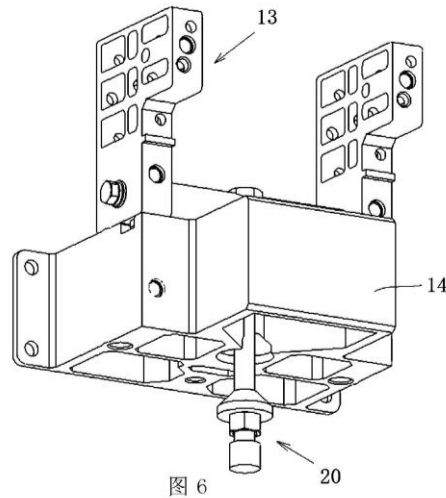
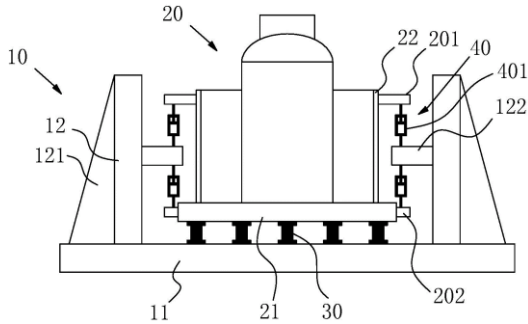


图 6

21: 2023/11014. 22: 2023/11/28. 43: 2024/05/28
 51: E02D; E04B; E04H; G21C
 71: Shanghai Nuclear Engineering Research & Design Institute Co., Ltd.
 72: YANG, Jie, HUANG, Xiaolin, DOU, Yi, LI, Shaoping, GE, Honghui, CHU, Meng, SUN, Yugang
 33: CN 31: 202121312640.8 32: 2021-06-11
54: COMPOSITE SEISMIC ISOLATION AND ABSORPTION SYSTEM FOR NUCLEAR ISLAND STRUCTURE

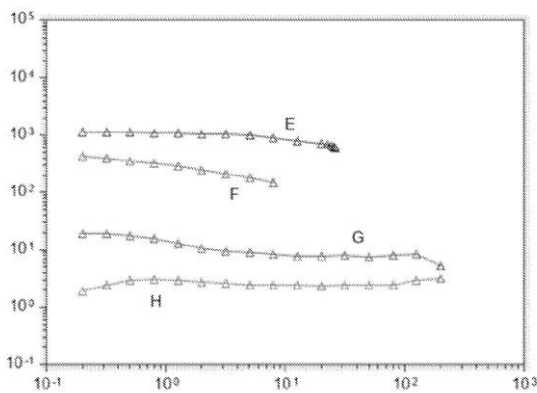
00: -
 The present invention provides a composite seismic isolation and absorption system for a nuclear island structure, comprising: a box body having a box body bottom plate and a box body side wall, the nuclear island structure being placed in the box body, and the nuclear island structure having a nuclear island structure bottom plate and a nuclear island structure side wall; a plurality of seismic isolation supports placed between the box body bottom plate and the nuclear island structure bottom plate; and a plurality of seismic absorption devices placed between the box body side wall and the nuclear island structure side wall. The composite seismic isolation and

absorption system for a nuclear island structure of the present invention greatly improves the safety of the nuclear island structure under the action of earthquakes and the ability to resist earthquakes.



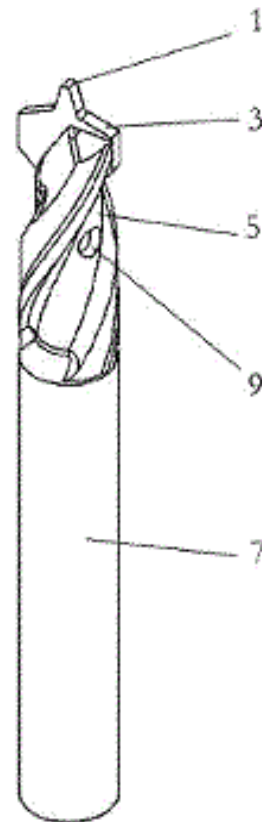
21: 2023/11016. 22: 2023/11/28. 43: 2024/05/31
 51: C08L; C09K
 71: Lesaffre et Compagnie
 72: LEBRUN, Xavier
 33: FR 31: 2105874 32: 2021-06-03
54: USE OF FERMENTED MOLASSES AS AN EMULSIFIER

00: -
 The invention relates to the use of fermented molasses as an emulsifier in an emulsion. The invention also relates to an emulsion comprising a bitumen and fermented molasses.



21: 2023/11032. 22: 2023/11/29. 43: 2024/06/07
 51: E21D
 71: HYPERTUNNEL IP LIMITED
 72: MEEKS, Alan
 33: GB 31: 2110278.5 32: 2021-07-16
54: INTEGRATED DRILLING INJECTION AND EXTRACTION DEVICE AND METHOD
 00: -

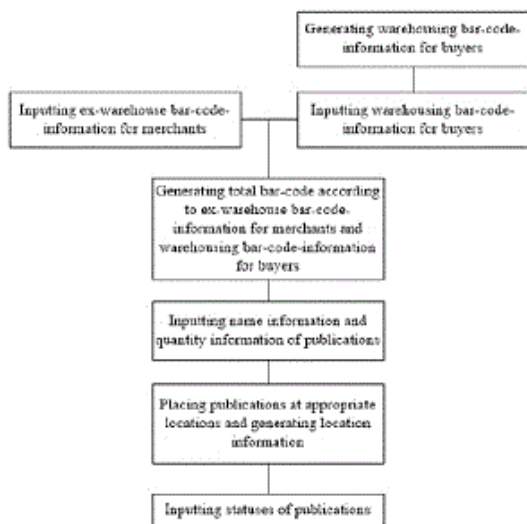
The present invention provides an integrated drilling and injection device, comprising: a longitudinal shank (7) having an internal passage extending from an open first end of the shank (7) along an axis of the shank (7) toward a second end of the shank; a drill bit (3) located at a second end of the shank (7) opposite the first end; and at least one outlet (9) in fluid communication between the internal passage and an exterior surface of the shank (7). In this way, the device may be driven into a substrate and then fluid may be injected into the substrate by passing along the internal passage and through the at least one outlet (9), without first having to remove the device and replace it with a separate injection component.



21: 2023/11122. 22: 2023/12/01. 43: 2024/06/04
 51: G06Q
 71: ZHENGZHOU SHANGCHUANG BOOKS CO., LTD.
 72: WANG, JINGWEN, WANG, PENG HUI
 33: CN 31: 2023102563575 32: 2023-03-16
54: MANAGEMENT SYSTEM FOR ANTI-COUNTERFEITING AND TRACEABILITY OF

PUBLICATIONS AND METHOD OF USE THEREOF

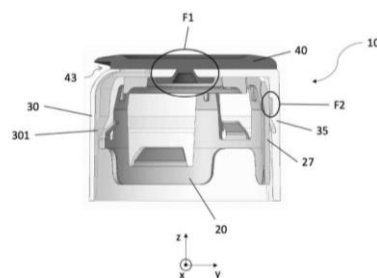
00: - Disclosed are a management system for anti-counterfeiting and traceability of publications and a method of use thereof. The management system includes an initial ex-warehouse bar-code-information integrated system for merchants, and a warehousing bar-code-information integrated system for buyers. Both the initial ex-warehouse bar-code-information integrated system for merchants and the warehousing bar-code-information integrated system are loaded in a total-bar-code control system to obtain a plurality of data in the initial ex-warehouse bar-code-information integrated system for merchants and the warehousing bar-code-information integrated system. In a selling process of the publications, the publications can be subjected to anti-counterfeiting traceability through the two pieces of bar-code information. The two pieces of bar-code information includes bar-code information in the ex-warehouse bar-code-information integrated system and the warehousing bar-code-information integrated system. Statuses of the publications may be observed in time. An effect of facilitating tracing is achieved.



21: 2023/11147. 22: 2023/12/04. 43: 2024/06/04
 51: A61J B65D
 71: A. RAYMOND ET CIE
 72: HAMADENE, Sofien, PELLET, Stéphanie
 33: FR 31: FR2214266 32: 2022-12-22

54: BREAKABLE LOCKING CAP FOR A CONTAINER COMPRISING A NECK

00: - A locking cap (100) for a container comprising a neck, comprising: - an outer body (30), defined by an upper face and a cylindrical wall, and including a breakable strip (35) extending from the upper face to a free end of the cylindrical wall, - a capsule (40), arranged on the upper face and rigidly connected to the breakable strip (35), - a cage (20), locked in the outer body (30), having a generally cylindrical shape, and comprising a plurality of bridges connecting neighboring branches, and a flexible member (27), one end of which is rigidly connected to a bridge and another free end of which is oriented upward, said flexible member (27) being adjacent to a weak point of said bridge.



21: 2023/11157. 22: 2023/12/04. 43: 2024/06/04
 51: B65G
 71: ADOVATE, LLC
 72: THOMPSON, Robert
 33: US 31: 63/201,905 32: 2021-05-18

54: CYCLIC AMIDE-CONTAINING PYRIDYL XANTHINES AS A 2B ANTAGONISTS

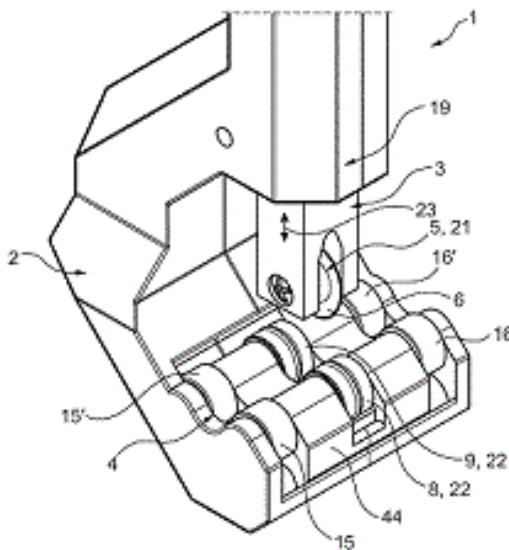
00: - Described herein are cyclic amide-containing pyridyl-xanthines and pharmaceutical compositions thereof that are useful as antagonists of A2B adenosine receptors.

21: 2023/11158. 22: 2023/12/04. 43: 2024/06/04
 51: B26D B23D B21D
 71: CONEX IPR LIMITED
 72: GLAZE, Alan, KLINSKI, Grzegorz, LEIGH, Richard, SALEHI-BAKHITIARI, Manouchehr

54: TUBE CUTTER FOR CUTTING A ROUND TUBE AND METHOD FOR CUTTING A ROUND TUBE TO LENGTH

00: - The invention relates to a tube cutter (1; 1.1) for cutting a round tube (100). The tube cutter (1; 1.1)

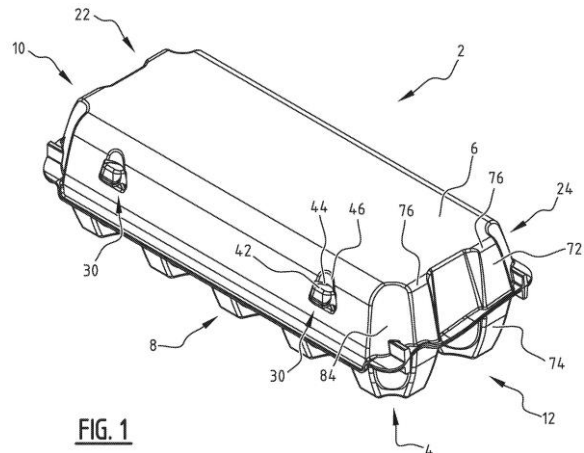
comprises a main body (2; 2.1), a cutting device (3) assigned to the main body (2; 2.1), and a rotary guide (4) for the main body (2; 2.1). The rotary guide (4) is designed to rotatably receive the round tube (100) in order to allow for a rotation of the tube cutter (1; 1.1) about the central axis (110) of the round tube (100) along its outer circumference (120). The cutting device (3) has a cutting part (5) with a blade (6) lying in a cutting plane (7) and is designed such that, with a rotation of the tube cutter (1; 1.1) about the round tube (100), the blade (6) executes a circumferential cut (400) in the cutting plane (7). In the tube cutter (1; 1.1), at least one forming element (8) is also provided, which protrudes into the cutting plane (7) or is positioned at least in the cutting plane (7) and is designed such that, with the rotation of the tube cutter (1; 1.1) about the round tube (100), it acts in a forming manner on the outer circumference (120) of the round tube (100), in order to form a bevel (131; 141) at an end of at least one of the tube parts (130, 140), created by the cut (400) of the blade (6), by means of material displacement. The invention also relates to a method for cutting a round tube (100) to length.



21: 2023/11212. 22: 2023/12/05. 43: 2024/06/07
 51: B65D
 71: Huhtamaki Molded Fiber Technology B.V.
 72: VAN DER MEIJ, Jelmer Gerhard Jan,
 KLOOSTERMAN, Hendrik Freerk, DE HAAN, Roelof
 33: NL 31: 2028445 32: 2021-06-14

54: PACKAGING UNIT FROM A MOULDED PULP MATERIAL WITH A SELF-ALIGNING ELEMENT AND METHOD FOR MANUFACTURING SUCH PACKAGING UNIT

00: -
 The present invention relates to a packaging unit (2) from a moulded pulp material, a method for packing products, and a method for manufacturing such packaging units. The packaging unit comprises: - a bottom part (4) with product receiving compartments for holding respective products, with the bottom part at least having a bottom front (8), a bottom rear (14), and two bottom sides (10, 12); - a cover part (6) at least having a cover front (20), a cover top (18), and two cover sides (22, 24); - a hinge-element (28) for hingedly connecting the cover and bottom parts; and - a lock (30) for locking the bottom and cover parts in a closed position of the packaging unit, and wherein the bottom side and cover side comprise a side edge having a self-aligning element (56).



21: 2023/11227. 22: 2023/12/06. 43: 2024/07/08
 51: A47L; B08B
 71: RAUTENBACH, James Jackson
 72: RAUTENBACH, James Jackson
 33: ZA 31: 2022/10544 32: 2022-09-23

54: BLOWER DEVICE

00: -
 This invention relates to a blower device 10 suitable for use in clearing loose matter from a surface. The device 10 comprises a conduit assembly 12 defining an inlet 18 for receiving high-pressure fluid, an outlet 20 for discharging the fluid, and a fluid flow passage extending between the inlet 18 and outlet 18. The device 10 further comprises a valve 26 including a

closure 28 that is displaceable between a closed position and an open position.

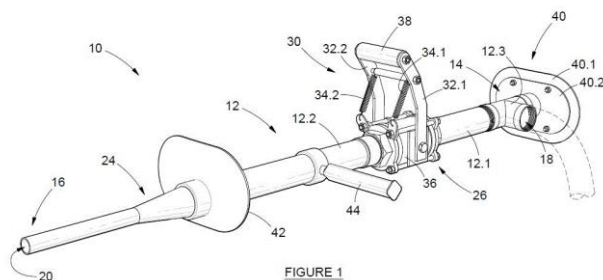


FIGURE 1

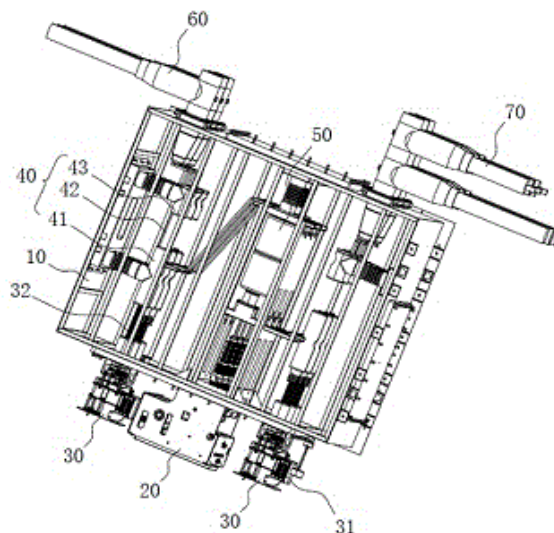
21: 2023/11231. 22: 2023/12/06. 43: 2024/06/06
51: H02B; H01H

71: ZHEJIANG JUHONKIA ELECTRIC CO., LTD.
72: WANG, YUANBIN, WANG, GANG, WANG,
CHENG, PAN, JIANGSHUAI, SHUAI, QIYANG,
QIAN, CHENFENG

54: 72.5KV OFFSHORE WIND POWER- DEDICATED RING MAIN UNIT

00: -

The present application relates to a field of ring main unit, and, in particular, to a 72.5kV offshore wind power-dedicated ring main unit, comprising a box body, an operating mechanism installed on the box body, and an arc-extinguishing chamber installed in the box body, a moving contact of the arc-extinguishing chamber is controlled by the operating mechanism; characterized in that, the box body is provided with two disconnectors in series with the arc-extinguishing chamber, wherein, the two disconnectors are successively arranged at front and rear positions of the arc-extinguishing chamber, and a control mechanism for controlling the disconnector is provided outside the box body; a power inlet wire and a power outlet wire electrically connected with the two disconnectors are provided outside the box body. The present application integrates the disconnector with a circuit breaker, which can have a more flexible fan topology route design, thereby significantly reducing a consumption and laying workload of submarine cables. At the same time, a size of the ring main unit can be better controlled, and fewer platforms can be adopted to collect and send power for a large-capacity wind farm. And it has a higher line voltage to bring a lower line active power loss and significantly reduces a bus loss of a system in a long-term operation.



21: 2023/11248. 22: 2023/12/06. 43: 2024/06/07
51: A61K; A61Q

71: L'OREAL

72: BOULEMNAKHER, Sarah, MOUEDDENE,
Hanène, BRUYERE, Julie, AGACH, Mickaël
33: FR 31: 2107101 32: 2021-06-30

54: COMPOSITION COMPRISING N,N- DICARBOXYMETHYLGLUTAMIC ACID, AT LEAST ONE FATTY ALCOHOL, AT LEAST ONE FATTY ACID, AT LEAST ONE POLYOL, AT LEAST ONE ALKALINE AGENT AND OPTIONALLY AT LEAST ONE DYE

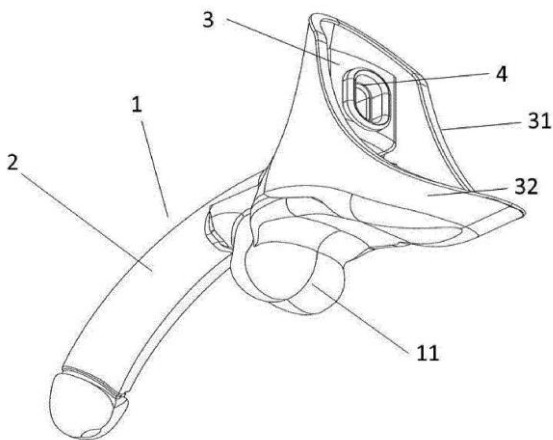
00: -

The present invention relates to a cosmetic composition for treating keratin fibres, notably human keratin fibres such as the hair, comprising N,N- dicarboxymethylglutamic acid, a salt thereof, solvates thereof and/or solvates of the salts thereof, at least one fatty alcohol, at least one fatty acid, at least one polyol and at least one alkaline agent, in a total content of greater than or equal to 5% by weight, relative to the total weight of the composition, and optionally at least one dye. The present invention also relates to a process for dyeing and/or lightening keratin fibres, such as the hair, in which the composition as described previously, and optionally comprising at least one dye chosen from oxidation dyes, direct dyes and mixtures thereof, is applied to said fibres. The present invention also relates to the use of the composition according to the invention for dyeing and/or lightening keratin fibres such as the hair.

21: 2023/11251. 22: 2023/12/06. 43: 2024/06/07
 51: A61F; A61H
 71: GENOUD, Derek
 72: GENOUD, Derek
 33: FR 31: 2106080 32: 2021-06-09

54: ARTIFICIAL PENIS FOR FEMALE GENITAL ORGAN

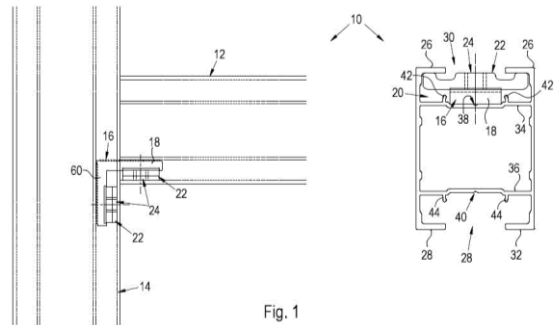
00: -
 The invention relates to an artificial penis for a female genital organ, comprising - a body (1) of phallic shape of chosen material, - a contact module (3), and - a clitoral stimulation module (4) arranged in a chosen position with respect to the contact module (3) and configured to perform an action permitting stimulation of the clitoris of the wearer; the artificial penis additionally comprises: - means (40) for detecting movement of said artificial penis during use, said means (40) being connected to the clitoral stimulation module (4) and being configured to detect the movements observed by the artificial penis according to chosen parameters; and - processing means (50) connected to the movement detection means and to the clitoral stimulation module (4) and configured to vary the intensity of clitoral stimulation in proportion to the frequency of movement detected by the artificial penis.



21: 2023/11274. 22: 2023/12/07. 43: 2024/06/07
 51: E06B
 71: KELLER, Izaan Louis
 72: FOURIE, Waldo
54: CONNECTOR SYSTEM

00: -
 A connector system to join a first frame member to a second, adjacent (but typically transversely extending) frame member is provided. The connector system comprises at least one connector

body comprising a first leg that is arranged to locate within a channel of either the first or second frame member; and a connector nut plate defining a nut plate aperture to receive a fastener, to secure the first leg of the connector body to the corresponding frame member in which the first leg is located. The first and second frame members include an elongate end wall with an elongate slot defined substantially in the middle of the elongate end wall, and an inner elongate wall extending through the first and second frame members, spaced apart from the elongate end wall and sized to snugly accommodate a combination of the first leg of the connector body and the connector nut plate.



21: 2023/11279. 22: 2023/12/07. 43: 2024/06/07
 51: E01F
 71: SHIH YU AUTO PARTS CO., LTD.
 72: HU, MING-LIANG
 33: TW 31: 111147391 32: 2022-12-09

54: RETRACTABLE APPARATUS

00: -
 A retractable apparatus includes a housing unit (3), a rotating unit (4) and a retractable unit (6). The housing unit (3) is formed with a housing teeth set (36) therein. The rotating unit (4) is disposed in and rotatable relative the housing unit (3). An end portion of the rotating unit (4) is formed with a shaft teeth set (46) engaging the housing teeth set (36). The shaft teeth set (46) and the housing teeth set (36) cooperatively prevent the rotating unit (4) from rotating relative to the housing unit (3) in a first turning direction (T1). The shaft teeth set (46) cooperates with the housing teeth set (36) to allow the rotating unit (4) to rotate in a second turning direction (T2) opposite to the first turning direction (T1) relative to the housing unit (3).

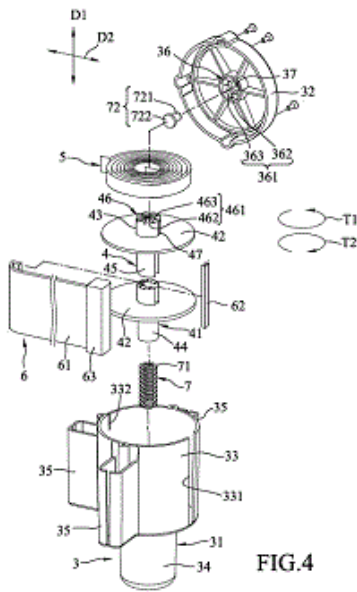


FIG. 4

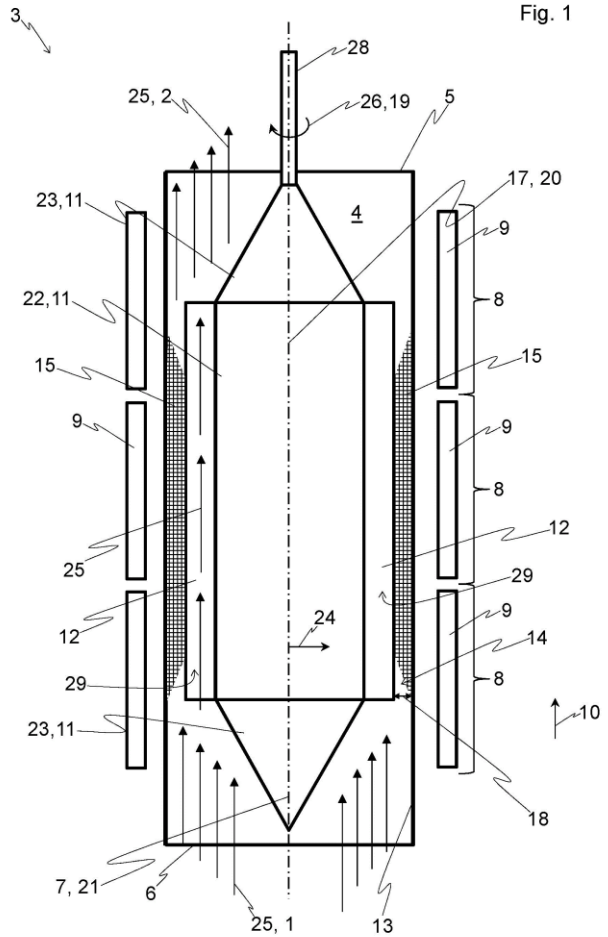


Fig. 1

21: 2023/11333. 22: 2023/12/08. 43: 2024/06/10

51: C04B; F27B; F27D

71: Omya International AG

72: NEUBACHER, Julian, TSCHERNKO, Harald

33: EP(CH) 31: 21173308.4 32: 2021-05-11

54: DEVICE FOR PRODUCING EXPANDED GRANULATED MATERIAL

00: -

The invention relates to a device for producing expanded granulated material (2) from mineral material (1) in the form of grains of sand with an expanding agent, comprising a furnace (3) with a furnace shaft (4), which has an upper end (5) and a lower end (6), wherein a conveying section (7) extends between the two ends and passes through a number of heating zones (8) arranged separately from one another in a conveying direction (10), wherein at least one feeding means is also provided, in order to charge at least the unexpanded material into the furnace shaft at one of the two ends in the direction of the other of the two ends. According to the invention, at least one rotatable shaft insert (11) is provided, which is arranged at least in sections in the furnace shaft and has at least one scraper blade (12) which forms with an inner wall (13) of the furnace shaft at least one gap (14) having a gap width (18) and which is designed, during the rotation of the at least one shaft insert in an operating state of the device, to remove caking (15) on the inner wall at least in sections if a thickness (16) of the caking is greater than the respective gap width.

21: 2023/11368. 22: 2023/12/11. 43: 2024/06/11

51: C22B

71: Corporacion Nacional del Cobre de Chile

72: LAGNO SÁNCHEZ, Felipe, SALHE LEIVA, Carolina, CARREÑO NAVARRO, Héctor, JORDAN GUTIÉRREZ, Héctor

33: CL 31: 1250-2021 32: 2021-05-12

54: SEQUENTIAL TREATMENT PROCESS FOR THE HEAP LEACHING OF PRIMARY AND SECONDARY COPPER SULPHIDES

00: -

The present patent application relates to a sequential treatment process for the heap leaching of primary and secondary copper sulphides such as Chalcopyrite, Bornite, Chalcocite, Chalcocite, Covellite or other sulphide and mixed copper ores. Specifically, the treatment process consists of a sequential treatment of crushed ore having a p80 size of less than 38 [mm] (preferably less than 19 [mm]), which is deposited in a dynamic heap or primary leaching heap wherein, once leached in the dynamic heap, the ore is removed from the heap

and transferred to a new heap to be subjected to a secondary leaching process in a permanent heap, wherein the leaching process in all its steps is carried out under high chloride ion concentrations, $[Cl^-] > 40 \text{ g/L}$, which improves the thermodynamics and physicochemical equilibrium of the process solutions and generates significant benefits on the metallurgical yield of this sequential treatment.

21: 2023/11372. 22: 2023/12/11. 43: 2024/06/12
51: B65D

71: Renew Health Limited

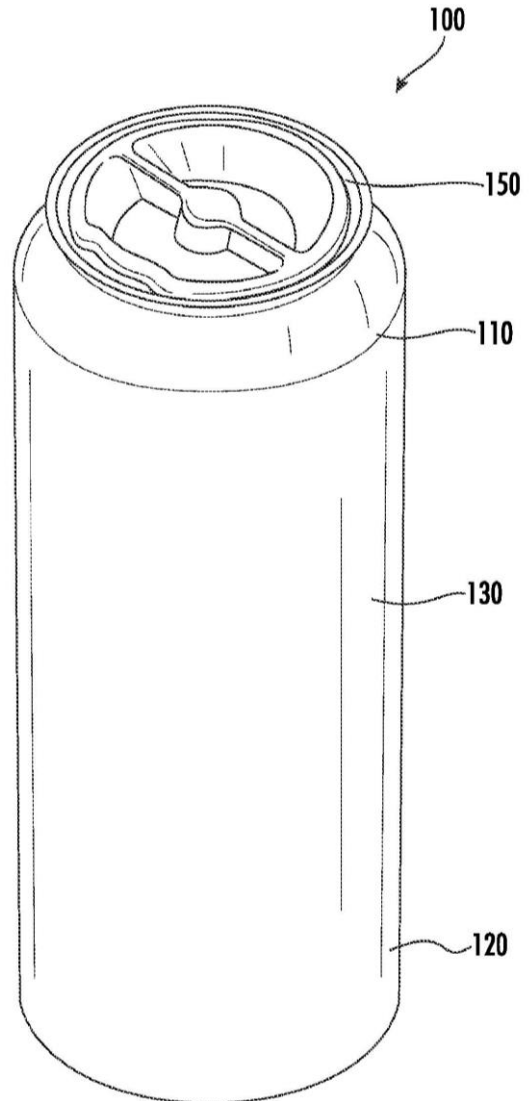
72: TALLY, William, DUPUIS, Jeffrey, RUFFOLO, Alex, BHARGAVA, Manoj

33: US 31: 63/190,127 32: 2021-05-18

54: CONTAINER HAVING A RESEALABLE CAP

00: -

A resealable cap includes a container top comprising a plurality of protrusions extending inward from the container top and a cap assembly threadably coupled to the container top. The cap assembly includes a beauty cap positioned on a top of the cap assembly that has an interface extending along a midpoint of the beauty cap and also includes a lug cap coupled to the beauty cap and including a lug cap interface positioned about a perimeter of the lug cap and configured to receive the plurality of protrusions. A tamper insert is coupled to the beauty cap at an underside of the beauty cap and positioned within the interface.



21: 2023/11377. 22: 2023/12/11. 43: 2024/06/11
51: A61K; A61P; C07D

71: Array BioPharma Inc.

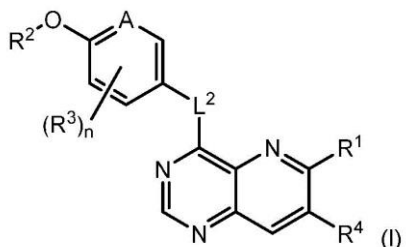
72: ELLIS, Bryan Daniel, HICKEN, Erik James, LAIRD, Ellen Ruth, LAZZARA, Nicholas Charles, NEWHOUSE, Bradley Jon, PAJK, Spencer Phillip, ROSEN, Rachel Zoe, SHELP, Russell Andrew

33: US 31: 63/215,435 32: 2021-06-26

54: HER2 MUTATION INHIBITORS

00: -

This invention relates to compounds of Formula (I): (I), and enantiomers thereof, and to pharmaceutically acceptable salts of Formula (I) and said enantiomers, wherein A, L², R¹, R², R³, R⁴, and n are as defined herein. The invention further relates to pharmaceutical compositions comprising such compounds and salts, and to methods and uses of such compounds, salts, and compositions for the treatment of abnormal cell growth, including cancer, in a subject in need thereof.



21: 2023/11381. 22: 2023/12/11. 43: 2024/06/11
51: A61K; A61P

71: HEBEI YILING MEDICINE RESEARCH INSTITUTE CO., LTD.

72: JIA, ZHENHUA

33: CN 31: 202110513825.3 32: 2021-05-12

54: PHARMACEUTICAL COMPOSITION FOR TREATING RHEUMATOID ARTHRITIS AND PREPARATION METHOD THEREFOR

00: -

Provided are a pharmaceutical composition for treating rheumatic arthritis, and the use thereof in the preparation of a drug for treating rheumatoid arthritis, an anti-inflammatory and analgesic drug, a drug for inhibiting an increase in capillary permeability, and a drug for inhibiting the proliferation of spleen lymphocytes and the production of serum type II collagen antibodies, reducing the content of inflammatory cytokines IL-1 and TNF- α , and inhibiting the production of rheumatoid factors IgG and IgM. The pharmaceutical composition is prepared from the following medicinal materials, in parts by weight: 120-190 parts of Astragali radix, 120-190 parts of Gentianae macrophyllae radix, 45-80 parts of Stephaniae tetrandrae radix, 45-80 parts of Aconiti lateralis radix

praeparata, 110-180 parts of Polygoni cuspidati rhizoma et radix, 110-180 parts of Spatholobi caulis, 110-180 parts of Clematidis radix et rhizoma, 20-40 parts of Sinapis semen, 45-80 parts of Paeoniae radix alba, 120-190 parts of Rehmanniae radix, 45-80 parts of Angelicae sinensis radix, 40-65 parts of Myrrha, 40-65 parts of Cyperi rhizoma, 45-80 parts of Cinnamomi ramulus and 45-80 parts of Achyranthis bidentatae radix.

21: 2023/11422. 22: 2023/12/12. 43: 2024/06/03

51: A61K; A61P; C07K; C12N

71: Biocity Biopharmaceutics Co., Ltd.

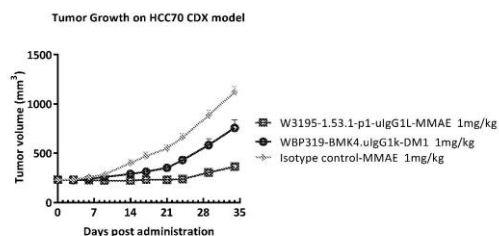
72: SHEN, Yuhong, LI, Jie, LI, Jing

33: PCT/CN 31: 2021/093652 32: 2021-05-13

54: ANTIBODY CONJUGATE COMPRISING ANTI-P-CADHERIN ANTIBODY AND USES THEREOF

00: -

Provided in the present disclosure are anti-P-cadherin antibody-drug conjugates (ADCs) and uses thereof, methods of producing the ADCs as well as methods for validating their functions in vitro and in vivo.



21: 2023/11436. 22: 2023/12/12. 43: 2024/06/14

51: A23K; C11C

71: ZINPRO CORPORATION

72: Peter A. STARK, Jason Bernard WIBBELS

33: US 31: 17/304,194 32: 2021-06-16

54: NEAT REACTION PRODUCT OF CALCIUM AND VOLATILE FATTY ACIDS AS NUTRITIONAL SUPPLEMENT FOR LIVESTOCK AND POULTRY

00: -

A process and composition for animal feed supplements without substantial foul odor problems prepared by reacting neat, a calcium metal source selected from the group consisting of calcium oxide and calcium hydroxide with a low molecular weight volatile fatty acid selected from the group consisting of butyric acid, isobutyric acid, 2 methyl butyric acid, valeric acid and isovaleric acid. Under controlled reaction conditions (neat) and a controlled weight

ratio of the two reactants a product that is substantially odor free and useful as an animal feed supplement results.

21: 2023/11463. 22: 2023/12/13. 43: 2024/06/18

51: B01D; B22F; C01G

71: DESTINY COPPER INC.

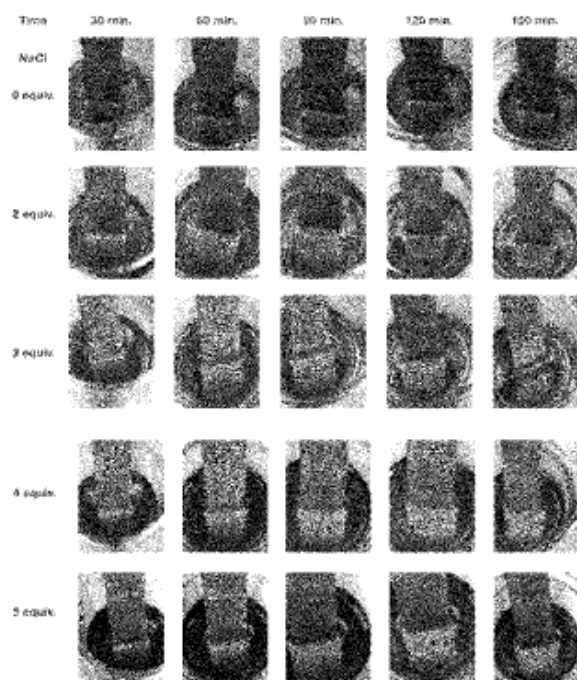
72: BRINDLE, Ian David, SHEEPWASH, Molina Audrey Lorraine

33: US 31: 63/202,486 32: 2021-06-14

54: PROCESSES FOR PRODUCING GRANULAR COPPER

00: -

Processes for producing copper granules on a surface of a reducing metal. The process can include contacting the reducing metal with an aqueous solution comprising a copper(II) salt and a halide. The molar ratio of the halide to the copper(II) in the copper (II) salt can be at least about 3:1. The granular copper can be produced on a surface of the reducing metal, and is optionally removed from the surface of the reducing metal by shaking, washing, and/or brushing, and/or optionally with stirring and/or circulating of the aqueous solution.



21: 2023/11481. 22: 2023/12/13. 43: 2024/06/18

51: C21D

71: SINOMA SCIENCE & TECHNOLOGY (SUZHOU) CO., LTD.

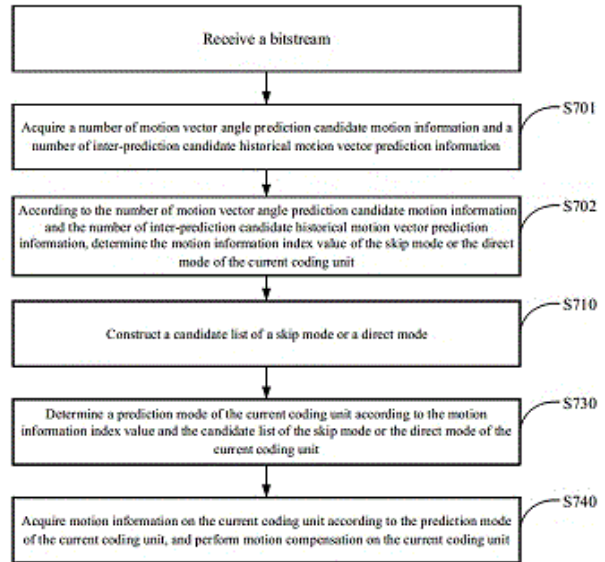
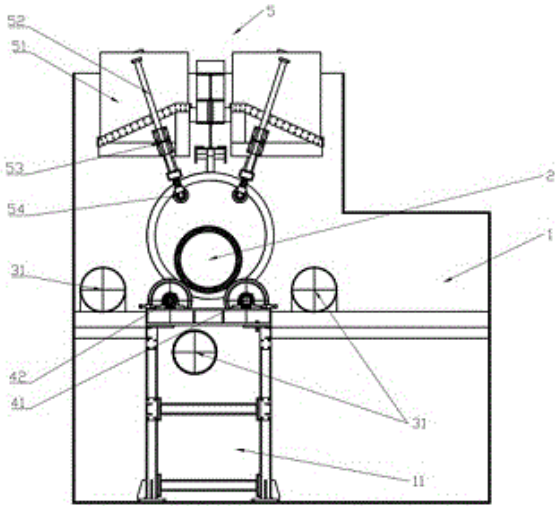
72: WANG, YANHUI, WANG, LIMIN, WANG, LONG, CHEN, YANFEI

33: CN 31: 202110525684.7 32: 2021-05-14

54: QUENCHING APPARATUS AND METHOD FOR BOTTLE-TYPE CONTAINER FOR THICK-WALL STATION

00: -

Disclosed in the present invention is a quenching apparatus and method for a bottle-type container for a thick-wall station. The wall thickness of the bottle-type container for a quenched object is 40-50 mm. The apparatus consists of a double-surface spraying mechanism, a rotating mechanism and a pressing mechanism which are arranged on the basis of a quenching tank (filled with quenching liquid); the rotating mechanism supports, by using the set of supporting rollers, the bottom side of a product to be cooled, and drives said product to rotate; in the pressing mechanism, lower pressing wheels driven by an air cylinder abut against the upper surface of said product to perform the positioning of a rotation axial direction; and the double-surface spraying mechanism comprises outer surface spraying units distributed outside said product and inward inner surface spraying units distributed at two ends and aligned with a bottle mouth, and faces said product for synchronous uniform internal and external cooling. By applying the quenching solution of the bottle-type container of the present invention, under the optimized quenching process of the equipment mechanism, a cost utilization rate is improved, test of a product in a hydrogen environment can be realized, and stable and reliable performance can be achieved, such that the requirement of a rapid increase in the demand for bottle type-containers for a hydrogenation station is satisfied.



21: 2023/11482. 22: 2023/12/13. 43: 2024/06/18
 51: H04N
 71: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
 72: CAO, XIAOQIANG, CHEN, FANGDONG, WANG, LI
 33: CN 31: 202110739455.5 32: 2021-06-30
54: DECODING METHOD AND APPARATUS, CODING METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM
 00: -

The present application provides a decoding method and apparatus, a coding method and apparatus, a device, and a machine-readable storage medium. As an example of the decoding method, for a received code stream, by analyzing a motion information index value of a skip mode or a direct mode of a current encoding unit, a candidate list of the skip mode or the direct mode can be constructed, and a prediction mode of the current encoding unit can be determined, such that motion compensation can be performed on the current encoding unit according to motion information of the current encoding unit obtained from the prediction mode of the current encoding unit, wherein the motion information index value of a skip mode or a direct mode of a current encoding unit is obtained by analyzing the number of motion vector angle prediction candidate motion information and the number of inter-frame prediction candidate historical motion information.

21: 2023/11492. 22: 2023/12/13. 43: 2024/06/18
 51: D21C; D21H
 71: RAIZ - INSTITUTO DE INVESTIGAÇÃO DA FLORESTA E PAPEL
 72: CRISTINA DE OLIVEIRA RODRIGUES PINTO, Paula, ANDREIA ALVES ALMEIDA, Cátia, ISABEL GOMES SOARES, Belinda, DE PASCOAL NETO, Carlos
 33: PT 31: PT117273 32: 2021-06-07
54: PROCESS FOR THE PRODUCTION OF KRAFT PULP FROM HARDWOOD AND SOFTWOOD MIXTURES, KRAFT PULP OBTAINED BY THE PROCESS AND PAPER PRODUCTS PRODUCED FROM THE PULP
 00: -

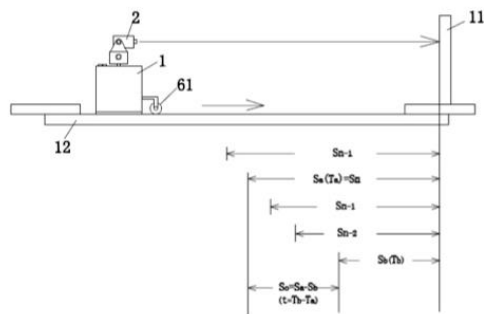
The present invention relates to a process for producing a pulp by the Kraft process, from mixtures of hardwood and softwood, in which the hardwood species predominates, using suitable impregnation, mild cooking conditions, typical of hardwood, and cooking interruption, followed by complementary separation of the fibers by mechanical means. The process includes steps of selecting a mixture of hardwood and softwood wood chips in a minimum proportion of 51% by weight of hardwood, impregnating the wood with a cooking liquor up to the cooking temperature, stopping the cooking when at least 30% of the lignin has been removed from the softwood wood, separating the cooking liquor from the resulting partially delignified wood and mechanically defibration of the resulting wood until a high yield cellulosic pulp is obtained. A further aspect of the present invention relates to paper

products produced from the pulp obtained by the process of the invention.

21: 2023/11502. 22: 2023/12/14. 43: 2024/06/18
 51: B66B
 71: GUANGDONG MECHANICAL & ELECTRICAL POLYTECHNIC
 72: LI, Zhongxing, HUANG, Guojian, CHEN, Hui, HUANG, Jiasi, QING, Chao, LI, Mingqian, WU, Xiaowei, PAN, Luqi, DENG, Zhaotao, MENG, Hui
 33: CN 31: 202211740155X 32: 2022-12-30
 33: CN 31: 2022236118684 32: 2022-12-30

54: AN ESCALATOR BRAKE CHARACTERISTIC PARAMETER MEASUREMENT DEVICE AND METHOD

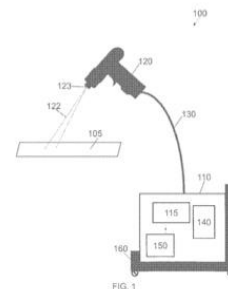
00: -
 This invention is a device and method for measurement of the characteristic parameters of an escalator brake. The measurement device includes a base, to which an optical ranging sensor is connected via a vertical adjustment mechanism. The base is equipped with an electromagnet at the bottom; the base also has an in-place electromagnet shutoff structure, and the optical ranging sensor, in-place electromagnet shutoff structure, and electromagnet are all electrically connected to a controller. The measurement device is fixed on the elevator, and the light emitted by the optical ranging sensor is reflected by a reflective point, thereby obtaining the distance S between the device and the reflective point. During braking, the corresponding distance and time are captured to calculate the characteristic parameters of the brake. The parameter measurement device and method provided by this invention are simple to operate, safe, reliable, and can accurately capture the braking point, automatically obtaining the escalator's brake characteristic parameters.



21: 2023/11514. 22: 2023/12/14. 43: 2024/06/18
 51: B05B; B08B
 71: IPG PHOTONICS CORPORATION
 72: MARKUSHOV, Iurii, GRAPOV, Yuri, LY, Nam, NOVIKOV, Sergei
 33: US 31: 63/212,280 32: 2021-06-18
 33: US 31: 63/242,175 32: 2021-09-09

54: CLEANING FUNCTIONALITY IN HANDHELD LASER SYSTEM

00: -
 A method and system for cleaning a surface using laser radiation is provided. In one example, a system for cleaning a surface using laser radiation includes a laser source configured to generate laser radiation, the laser source configured to emit laser radiation in a cleaning mode, the cleaning mode characterized as a modulated continuous wave (CW) mode having a duty cycle less than 100%, pulse-repetition frequency greater of at least 10 kilohertz (kHz), and a FWHM pulse duration in a range of 1 microsecond (μ s) to 10 (milliseconds) ms inclusive, a housing configured as a handheld apparatus that directs the laser radiation to the surface, and an optical fiber coupling the handheld apparatus to the laser source

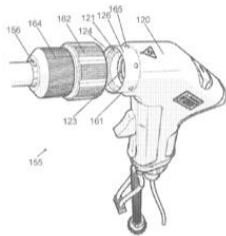


21: 2023/11515. 22: 2023/12/14. 43: 2024/06/18
 51: B23K
 71: IPG PHOTONICS CORPORATION
 72: LY, Nam, MARKUSHOV, Iurii, GRAPOV, Yuri, MONVELDT, Sergey, NOVIKOV, Sergei
 33: US 31: 63/212,290 32: 2021-06-18

54: MATERIAL PROCESSING FUNCTIONALITY IN HANDHELD LASER SYSTEM

00: -
 A nozzle assembly for performing material processing operations with a handheld laser system on a surface of a workpiece. The handheld laser system comprises a laser source configured to generate laser radiation, a handheld device that guides the laser radiation, and an optical fiber

coupling the handheld device to the laser source, and the nozzle assembly comprises a nozzle configured to deliver the laser radiation to the surface, and a coupling mechanism that includes a retaining portion formed on an output end of the handheld device, and an engagement portion configured to be releasably attachable to the nozzle and engage with the retaining portion.



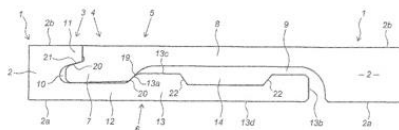
21: 2023/11520. 22: 2023/12/14. 43: 2024/06/18
51: E04F

71: I4F LICENSING NV
72: BOUCKÉ, Eddy Alberic

33: NL 31: 2028616 32: 2021-07-02
33: NL 31: 2028675 32: 2021-07-09

54: WALL PANEL FOR FORMING A WALL COVERING WITH MULTIPLE PANELS

00: -
A wall panel for forming a wall covering with multiple panels, comprising a centrally located core, wherein the core comprises a rear side, a decorative side opposite the rear side, and at least two sides comprising coupling parts for mutual coupling of several panels; wherein the coupling parts are arranged to be coupled with an angling motion, wherein a new panel is arranged to be angled into a panel already forming part of the wall covering; wherein the coupling parts comprise at least one first coupling part and at least one second coupling part arranged on opposite sides of the core, wherein the first coupling part comprises a sideward tongue, an upper bridge portion for connecting the sideward tongue to the core and a downward groove, for accommodating at least a parts of an upward locking element; and wherein the second coupling part comprises a groove.



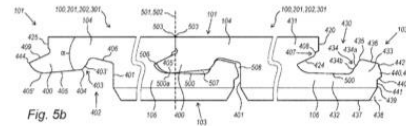
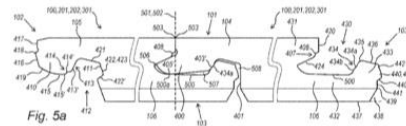
21: 2023/11522. 22: 2023/12/14. 43: 2024/06/18
51: E04F

71: I4F LICENSING NV
72: BOUCKÉ, Eddy Alberic, DEVOS, Pieter Renaat Karel

33: NL 31: 2028776 32: 2021-07-19

54: MULTI-PURPOSE TILE SYSTEM, TILE COVERING, AND TILE

00: -
The invention relates to a multi-purpose tile system, in particular a floor tile system, comprising a plurality of multi-purpose tiles, in particular floor tiles, wall tiles, or ceiling tiles. The invention also relates to a tile covering, in particular floor covering, ceiling covering, or wall covering, consisting of mutually coupled tiles according to the invention. The invention further relates to a tile for use in multi-purpose tile system according to the invention.



21: 2023/11542. 22: 2023/12/14. 43: 2024/06/21
51: G06T

71: FLAWLESS HOLDINGS LIMITED
72: MANN, Scott, KIM, Hyeongwoo, DANISCHEVSKY, Sean, HALL, Rob, SCULLION, Gary Myles

33: US 31: 63/193,553 32: 2021-05-26
33: US 31: 63/203,354 32: 2021-07-19
33: US 31: 17/561,356 32: 2021-12-23

54: MODIFICATION OF OBJECTS IN FILM

00: -
A computer-implemented method of processing video data comprising a first sequences of image frames containing a first instance of an object. The method includes isolating said first instance of the object within the first sequence of image frames, determining, using the isolated first instance of the object, first parameter values for a synthetic model of the object, modifying the first parameter values for the synthetic model of the object, rendering a modified first instance of the object using a trained machine learning model and the modified first

parameter values for the synthetic model of the object, and replacing at least part of the first instance of the object within the first sequence of image frames with a corresponding at least part of the modified first instance of the object.

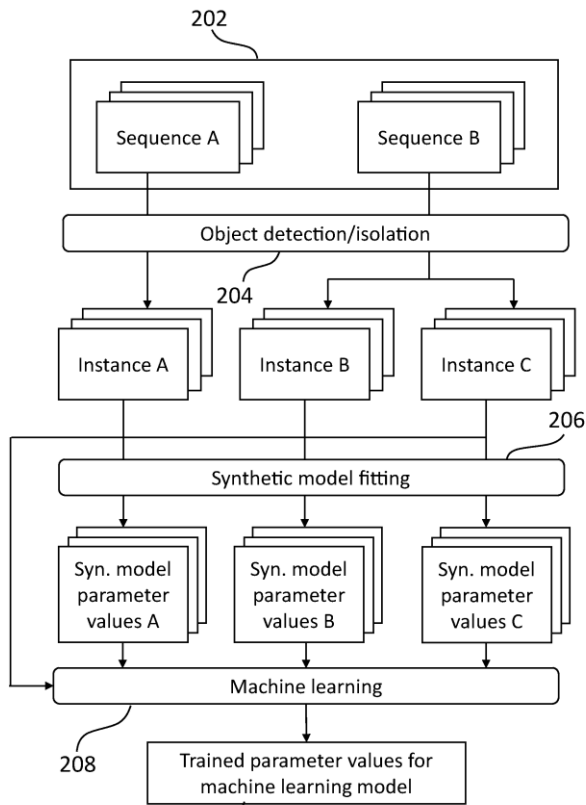


Fig. 2

distribution plate or crusher cone; said wear cap being sized so that the periphery of the wear cap extends beyond the apex of the crusher cone or distribution plate.

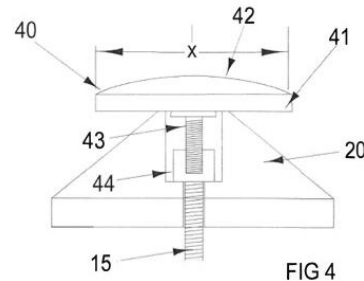


FIG 4

21: 2023/11630. 22: 2023/12/19. 43: 2024/06/20
51: H01B

71: ABERDARE CABLES (PTY) LTD
72: THULASEE, Vishal Roychand Bharath,
SCHOLTZ, Hendrik Paul, WANG, Jian

54: Theft deterrent mixed metal SNE cable

00: -

This invention relates to a single phase electrical cable 10 with a Split concentric Neutral and Earth (SNE) configuration for use in fixed installations. The electrical cable 10 includes an insulated phase conductor 12 which comprises a combination of tin-coated copper and galvanised steel wires. The electrical cable 10 has a concentric conductor 14 which also comprises a combination of tin-coated copper and galvanised steel wires and an outer sheath 15 which surrounds the concentric conductor 14. The mixed metal makeup of the electrical cable 10 serves as a theft deterrent. The electrical cable further has a conductor wire cross-sectional surface area of between 10 mm² and 25 mm².

21: 2023/11562. 22: 2023/12/18. 43: 2024/06/19
51: B02C

71: SUTHERLAND, Richard Keith

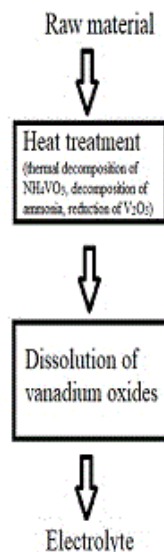
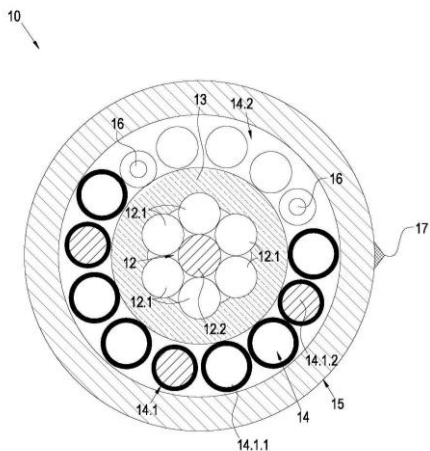
72: SUTHERLAND, Richard Keith

33: NZ 31: 795915 32: 2022-12-21

54: IMPROVEMENTS IN STONE CRUSHING EQUIPMENT

00: -

A wear cap for use in combination with a top feed crusher, said wear cap providing an impact resistant and abrasion resistant impact surface which is uppermost in use and being adapted to be removably securable over the apex of a crusher distribution plate or a crusher cone, by means of securing means positioned on the underside of the wear cap, being that side of the wear cap which in use lies adjacent to the apex of the crusher

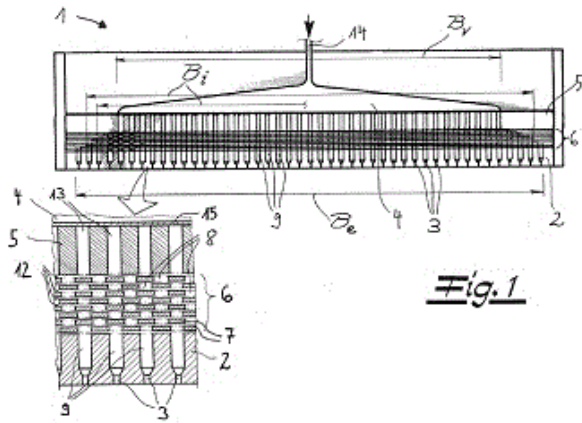


21: 2023/11646. 22: 2023/12/19. 43: 2024/06/21
 51: H01M; C01G
 71: ENERFLOW TECHNOLOGY CO., LTD.
 72: WANG, JIN, ZHENG, XIAOHAO
 33: CN 31: 202110574565.0 32: 2021-05-26
54: METHOD AND DEVICE FOR PREPARING ALL-VANADIUM REDOX FLOW BATTERY ELECTROLYTE

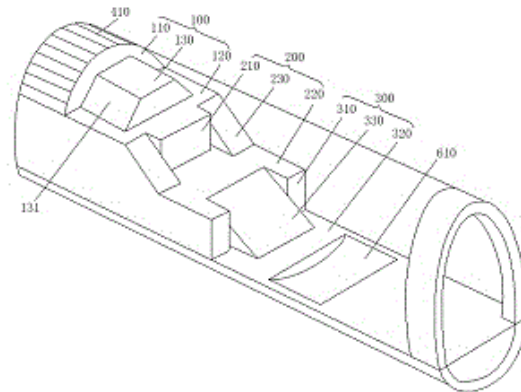
00: -
 The present invention relates to a method and device for preparing an all-vanadium redox flow battery electrolyte. In the method for preparing an all-vanadium redox flow battery electrolyte of the present invention, V₂O₅ and ammonia gas obtained by decomposition of ammonium metavanadate are fully utilized, and the purity requirement for the ammonium metavanadate is relatively low. Therefore, costs are saved, operations are also simple; in addition, the valence of the obtained all-vanadium redox flow battery electrolyte can be conveniently controlled.

21: 2023/11671. 22: 2023/12/20. 43: 2024/06/25
 51: D01D
 71: REIFENHÄUSER GMBH & CO. KG
 MASCHINENFABRIK
 72: GERHARZ, STEPHAN
 33: EP 31: 22 215 646.5 32: 2022-12-21
 33: DE 31: 10 2022 134 399.5 32: 2022-12-21
54: APPARATUS FOR THE PRODUCTION OF FILAMENTS

00: -
 An apparatus for producing filaments which emerge from spinneret openings of at least one spinneret plate in at least one filament row. A distribution device is provided for distributing a supplied plastic melt to a preliminary spinning width. At least one filter plate is located downstream of the distribution device. A distributor plate package of distributor plates each having a plurality of distributor openings distributed over a distribution width is located downstream of the filter plate. The distributor openings are provided for receiving the plastic melt from the filter plate. The spinneret plate is located downstream of the distributor plate package and has spinneret channels having spinneret openings distributed over a final spinning width. An outlet surface of the filter plate associated with the distributor plate package and/or an inlet surface of the spinneret plate associated with the distributor plate package is curved or crowned at least in sections.



extends obliquely; the lower bench includes a third tunnel face, a third platform and a second channel, the second channel extends obliquely; and the tunnel excavation structure further includes a support assembly for supporting the oblique side face and an anchor assembly respectively at an arch springing of the upper bench and at an arch springing of the middle bench.



21: 2023/11672. 22: 2023/12/20. 43: 2024/06/25
51: E21D
71: SOUTHWEST JIAOTONG UNIVERSITY, CHINA RAILWAY TUNNEL GROUP BEIJING CTG CONSTRUCTION CO., LTD., CHINA RAILWAY TUNNEL GROUP ROAD & BRIDGE ENGINEERING CO., LTD., CHINA RAILWAY CITY DEVELOPMENT AND INVESTMENT GROUP CO., LTD., CHINA RAILWAY TUNNEL GROUP CO., LTD.

72: FENG, JIANPING, CHEN, FENGRONG, DIAO, GUOJUN, LIU, ZHENGANG, XING, TIEQIANG, ZHANG, YUQIANG, CHEN, XIAO, JIN, BOWEN, CHEN, LIANGJUN, JIANG, YULING, ZENG, YONG, FENG, JIMENG, WANG, SHAOBO, ZHONG, XIAONING, ZHENG, WENLONG, HE, JIANLUO, LIU, YANLING, ZHOU, CHENCHUANG, JIANG, QINGCHENG, LIU, NENG, WEI, YAHUI, XU, SHIHANG, SU, CHAO, JIANG, HUI

33: CN 31: 202310271055.5 32: 2023-03-20

54: TUNNEL EXCAVATION STRUCTURE, TUNNEL EXCAVATION METHOD, AND TUNNEL CONSTRUCTION METHOD

00: -

A tunnel excavation structure, a tunnel excavation method, and a tunnel construction method are disclosed, which solve the technical problem that it is difficult to control the deformation of a vertical phyllite tunnel in the existing technique. A tunnel excavation structure, including a lower bench, a middle bench, and an upper bench successively arranged along an extension direction of the tunnel; wherein the upper bench includes a first tunnel face, a first platform and a boss, the boss is connected to the first tunnel face and is located in the first platform, a side face of the boss in a radial direction of the tunnel is configured as an oblique side face; the middle bench includes a second tunnel face, a second platform and a first channel, the first channel

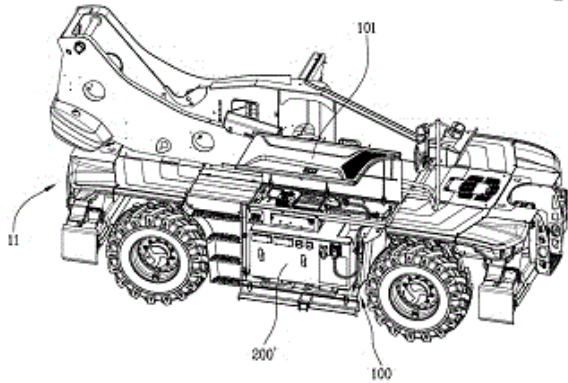
21: 2023/11673. 22: 2023/12/20. 43: 2024/06/25
51: B60J
71: MANITOU ITALIA S.R.L.
72: IOTTI, MARCO

33: IT 31: 102022000026715 32: 2022-12-23

54: PORTABLE CHARGER DEVICE FOR TELEHANDLER

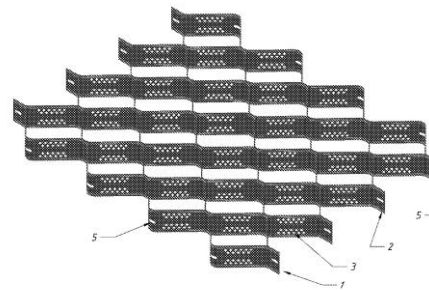
00: -

A telehandler is equipped with an electric propulsion motor and a plurality of seats (100) designed to receive power supply means (200'). An electric battery is provided for powering the motor, designed to be received in one of the seats (100). A portable battery charger device (200') is provided for charging electric batteries for telehandlers, designed to be received in a removable fashion in one of the seats (100).



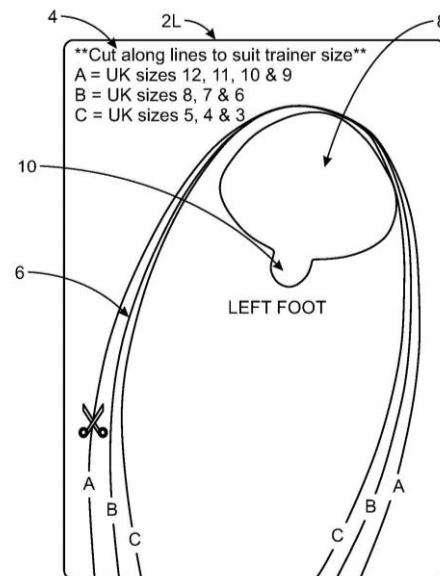
21: 2023/11691. 22: 2023/12/20. 43: 2024/06/25
 51: E01C; E02B
 71: AZARKH, Mikhail
 72: AZARKH, Mikhail, CHEREVATIY, Vladislav Gennadievich
 33: RU 31: 2021114447 32: 2021-05-21
54: REINFORCED FLEXIBLE POLYMER MATERIAL STRIP, METHOD OF MANUFACTURING SAME AND THREE-DIMENSIONAL CELLULAR STRUCTURE MADE USING SAME

00: -
 The invention relates to the field of construction, namely to production of three-dimensional cellular structures. A flexible strip of a polymeric material comprises reinforcing elements and protrusions located on a surface of the strip. The reinforcing elements are placed to contact the surface of the strip and embedded at intersections between the protrusions and the reinforcing elements. A method for producing the flexible strip of a polymeric material comprises extrusion of the polymeric material for producing a flat preform, laying the reinforcing elements onto a preform surface, processing the preform in rolls for forming protrusions on the preform surface, cutting the preform into strips. In the step of processing the preform in rolls for forming the protrusions, the reinforcing elements are embedded into said protrusions at the intersections between the protrusions and the reinforcing elements. A three-dimensional cellular structure is made of the flexible strips of the polymeric material, wherein the strips comprise the reinforcing elements. The technical effect is to reinforce geotechnical structures and strengthen loosened foundations of industrial and civil structures.



21: 2023/11694. 22: 2023/12/20. 43: 2024/06/03
 51: A43B
 71: Trainer Armour Limited
 72: CHANCELLOR, Andrew
 33: GB 31: 2107528.8 32: 2021-05-27
54: SHOE PROTECTOR DEVICE AND APPLICATOR

00: -
 A shoe protector device for a trainer for the prevention of toe holes. The applicator consists of two display cards 2L and 2R each having the sole area 6 of a left foot and right foot respectively printed thereon. Additionally, a toe protector patch 12 with liner 8, is secured to a top end of the sole area of each card 2L and 2R in a position that would be occupied by a toe, such as a big toe. A low-tack semi-permanent adhesive secures the patch to the applicator so as to allow the patch to disengage from the applicator when a pulling force is applied.



21: 2023/11747. 22: 2023/12/21. 43: 2024/06/25
 51: H01B

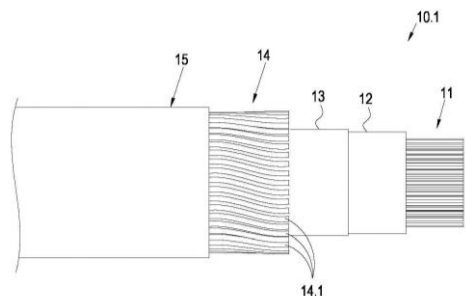
71: ABERDARE CABLES (PTY) LTD

72: THULASEE, Vishal Roychand Bharath, SCHOLTZ, Hendrik Paul, WANG, Jian

54: An armoured single core electrical cable

00: -

This invention relates to a single core armoured electrical cable 10.1 which has a conductor core comprising a bunched or stranded electrical conductor 11, a conductor insulating sleeve 12 over the conductor core to render the conductor core insulated; a bedding sleeve 13 to protect the insulated core from mechanical forces exerted upon it; and, specifically, aluminium alloy armouring 14 disposed around the bedding sleeve 13 for mechanical protection of underlying layers. The cable 10.1 further has an outer sheath 15. Through use of the aluminium alloy armouring 14, the cable 10.1, 10.2 aims to overcome problems associated with jointing and terminating of aluminium wire armoured cables.



21: 2023/11748. 22: 2023/12/21. 43: 2024/06/27
51: B23K

71: ZHENGZHOU RESEARCH INSTITUTE OF MECHANICAL ENGINEERING CO., LTD.

72: WEI, WEI, WANG, XU, GAO, ZHANQI, DUAN, JIAXU, HUANG, ZHIQUAN, ZHANG, HAIYAN, YANG, WEI

33: CN 31: 2023106801604 32: 2023-06-08

54: TUBULAR FLUX-CORED ELECTRODE AND PREPARATION METHOD THEREFOR, AND USE THEREOF

00: -

The present disclosure provides a tubular flux-cored electrode and the preparation method therefor, and use thereof, relates to the technical field of hardfacing. Specifically, the preparation method includes the following steps: after mixing a metal powder with a carbide particle, rolling and drawing a steel strip to obtain a seamed tubular flux-cored electrode; and placing a steel strip joint of the

seamed tubular flux-cored electrode downwardly, and melting a metal powder through a high temperature treatment, in which the metal liquid converges at the steel strip joint under the influence of gravity, and the self-sealing tubular flux-cored electrode is obtained after cooling, wherein a melting point of the metal powder is lower than the carbide particle. The self-sealing tubular flux-cored electrode of the present disclosure can be massively produced, which realizes, based on gravity effect, functions of a leak proof, rust proof and anti-oxidation that are functionally similar to the seamless flux-cored electrode through a metal-based seal formed by sintering, and also solves the difficulty that production process of the seamless flux-cored electrode is complicated, and is not easy for mass production.

21: 2023/11749. 22: 2023/12/21. 43: 2024/06/28
51: C04B

71: CBMI CONSTRUCTION CO., LTD., CHINA BUILDING MATERIALS ACADEMY CO., LTD.

72: ZHI, XIAO, REN, XUEHONG, TONG, LAIGOU, ZHANG, WENSHENG, WANG, BIN, TAO, YING, YE, JIAYUAN, LUO, KAI

33: CN 31: 202311407617.0 32: 2023-10-27

54: CEMENTING MATERIAL BASED ON CALCINED CLAY AND PREPARATION METHOD THEREFOR

00: -

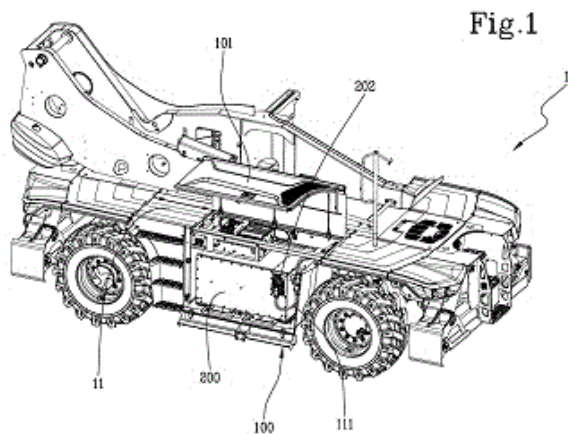
The present invention relates to the technical field of building material and discloses a cementing material based on calcined clay and preparation method therefor. The cementing material comprises calcined clay, steel slag, slag, cement clinker, gypsum, and alkaline activator. The present invention uses multiple composite excitation methods, and through the reasonable combination and use of calcined clay, steel slag, slag, cement clinker, and gypsum, and the organic coordination of multiple chemical alkaline activators, the present invention not only provides a high value-added resource utilization method for industrial by-products, but also reduces the amount of cement clinker, effectively improves the early compressive strength of cementing materials, and ensures the later strength of materials. This method has a wide range of application scenarios, simple process flow, and great potential application value.

21: 2023/11750. 22: 2023/12/21. 43: 2024/06/25
 51: B66F; B60L; B60K; H01M
 71: MANITOU ITALIA S.R.L.

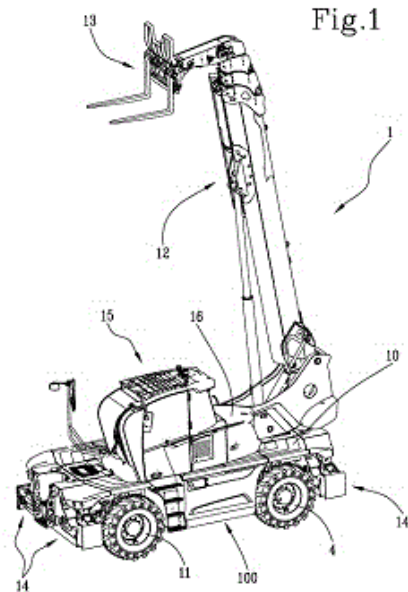
72: IOTTI, MARCO
 33: IT 31: 102022000026838 32: 2022-12-27

54: TELEHANDLER WITH AUTOMATIC RECOGNITION OF ENERGY SOURCES

00: -
 A telehandler (1) is equipped with at least one electric motor and seats (100) for housing energy sources (200) on board the telehandler (1). An electric battery (200) is provided for powering the motor designed to be housed in one of the seats (100) and an electricity generator apparatus is provided designed to be housed in one of the seats (100). The telehandler (1) comprises recognition means configured for automatically recognising whether a battery (200) or an electricity generator apparatus is present in a seat (100).



consumptions allowed by the motor. Each consumption level comprising in turn one or more operational consumption levels, which correspond to respective energy consumptions allowed for the motor as a function of various operating conditions of the machine.



21: 2023/11751. 22: 2023/12/21. 43: 2024/06/25
 51: B66F; B60K; B60L; E02F
 71: MANITOU ITALIA S.R.L.

72: IOTTI, MARCO
 33: IT 31: 102022000026844 32: 2022-12-27

54: ENERGY MANAGEMENT SYSTEM IN AN ELECTRIC TELEHANDLER

00: -
 A self-propelled operating machine (1), such as, for example, a telehandler, comprises one motor and processing means for controlling at least the operation of the motor. The processing means comprising a consumption management module configured for managing operation of the motor on the basis of a plurality of general consumption levels, which correspond to various energy

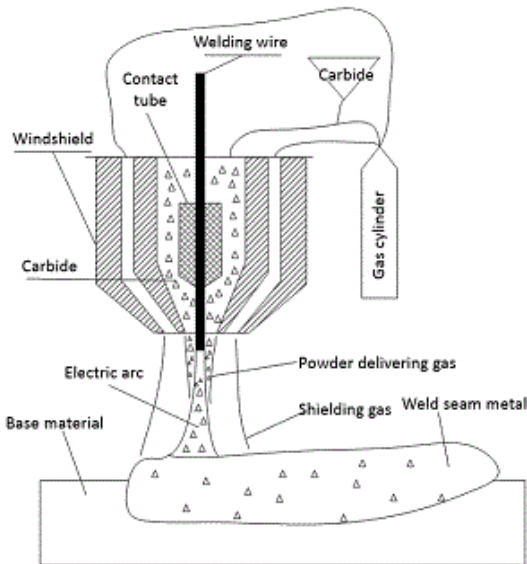
21: 2023/11752. 22: 2023/12/21. 43: 2024/06/25
 51: B23K

71: ZHENGZHOU RESEARCH INSTITUTE OF MECHANICAL ENGINEERING CO., LTD.
 72: WEI, WEI, WANG, XU, GAO, ZHANQI, DUAN, JIAXU, HUANG, ZHIQUAN, ZHANG, HAIYAN, YANG, WEI

33: CN 31: 2023106801746 32: 2023-06-08
54: HARDFACING LAYER PREPARATION METHOD AND DEVICE

00: -
 The present disclosure provides a preparation method and device of hardfacing layer, and relates to the technical field of wear-resistant surfacing. Specifically, the method includes adopting MAG welding, and injecting hard particles into a molten pool while a welding torch is carrying out surfacing, wherein the welding torch includes the surfacing assembly, the hard particle channel and the shielding gas channel, which are distributed from inside to outside, wherein the hard particle channel delivers the hard particles to the molten pool through the powder delivering gas. The method of the present disclosure greatly reduces the decomposition of hard particles during the molten

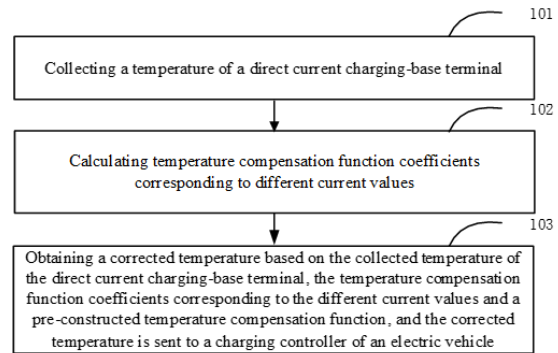
welding process, such as carbide, so that the hard particles are uniformly and evenly retained in the weld seam metal, which improves the toughness and wear-resistance of the base material, and has good application prospects.



21: 2023/11789. 22: 2023/12/21. 43: 2024/06/25
 51: B60L; G01K; H02J
 71: JILIN ZHONG YING HIGH TECHNOLOGY CO., LTD.
 72: WANG, Chao
 33: CN 31: 202110839832.2 32: 2021-07-23
54: TEMPERATURE COMPENSATION METHOD AND APPARATUS BASED ON DIRECT CURRENT CHARGING BASE

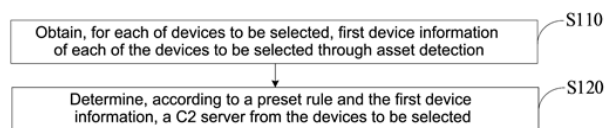
00: -
 The present disclosure discloses a method and an apparatus for temperature compensation based on a direct current charging base, and the method includes: collecting a temperature of a direct current charging-base terminal; calculating temperature compensation function coefficients corresponding to different current values; and obtaining a corrected temperature 5 based on the collected temperature of the direct current charging-base terminal, the temperature compensation function coefficients corresponding to the different current values and a pre-constructed temperature compensation function, and the corrected temperature is sent to a charging controller of an electric vehicle. The present disclosure realizes compensation of temperature errors caused 10 by temperature transmission delay

during charging of electric vehicles, thereby realizing safe, accurate and rapid charging of vehicles.



21: 2023/11790. 22: 2023/12/21. 43: 2024/06/25
 51: H04L
 71: BEIJING KNOWNSEC INFORMATION TECHNOLOGY CO., LTD.
 72: WANG, Yixiong, LI, Yanjun
 33: CN 31: 202211539414.2 32: 2022-12-02
54: C2 SERVER IDENTIFICATION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND READABLE STORAGE MEDIUM

00: -
 Embodiments of the present disclosure provide a C2 server identification method and apparatus, an electronic device, and a readable storage medium, and relate to the technical field of communication. The C2 server identification method includes: obtaining, for each of devices to be selected, first device information of each of the devices to be selected through asset detection, wherein the devices to be selected are devices corresponding to assets that can be searched during asset detection; and determining, according to a preset rule and the first device information, a C2 server from the devices to be selected, wherein the preset rule is a rule set according to characteristics of a known C2 server. In this way, the used C2 servers and the newly launched and unused C2 servers can be actively identified from the massive targets exposed on the Internet, which facilitates blocking and protection for the newly launched and unused C2 servers in advance.



21: 2023/11791. 22: 2023/12/21. 43: 2024/06/25

51: G06F; H04L

71: BEIJING KNOWNSEC INFORMATION TECHNOLOGY CO., LTD.

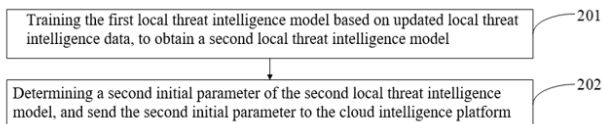
72: WANG, Huan, YUE, Yongpeng

33: CN 31: 202211578471.1 32: 2022-12-09

54: THREAT INTELLIGENCE SYSTEM AND THREAT INTELLIGENCE MODEL TRAINING METHOD

00: -

Embodiments of the present disclosure provide a threat intelligence system and a threat intelligence model training method, relating to the technical field of data processing. The system includes a cloud intelligence platform and a local intelligence platform. The cloud intelligence platform is configured to train a cloud threat intelligence model based on cloud threat intelligence data, to obtain a first cloud threat intelligence model, and send a first initial parameter of the first cloud threat intelligence model to the local intelligence platform. The local intelligence platform is configured to train a local threat intelligence model based on local threat intelligence data, to obtain a trained first local threat intelligence model, receive the first initial parameter and adjust a parameter of the first local threat intelligence model based on the first initial parameter. It breaks through some special business, so that the initial parameter interaction may be carried out between the local intelligence platform and the cloud threat platform, which makes the output results of the local threat intelligence model of the local intelligence platform more accurate.



21: 2023/11800. 22: 2023/12/21. 43: 2024/06/25

51: A61K; A61P

71: HEBEI YILING MEDICINE RESEARCH INSTITUTE CO., LTD.

72: JIA, ZHENHUA

33: CN 31: 202210365366.3 32: 2022-04-08

33: CN 31: 202110607803.3 32: 2021-06-01

54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING COLD OF CHILDREN

00: -

The present invention seeks to protect a traditional Chinese medicine composition for treating cold of

children. The traditional Chinese medicine composition is composed of the following raw materials in parts by weight: 250-400 parts of Weeping Forsythia Capsule, 250-400 parts of Lonicera hypoglauca, 50-150 parts of Ephedra, 50-150 parts of Bitter Apricot Seed, 250-400 parts of Gypsum, 250-400 parts of Root of Dyers Woad, 50-150 parts of Cabline Potchouli, 30-90 parts of Root And Rhizome of Sorrel Rhubarb, 10-50 parts of All-Grass of Rhodiola, 120-280 parts of Peppermint, and 50-150 parts of Root of Ural Licorice. The test results show that the medicine in the present invention has a remarkable effect on common cold and influenza.

21: 2024/00022. 22: 2024/01/02. 43: 2024/07/04

51: E21B

71: CHIFENG HAO FENG DRILLING CO., LTD.

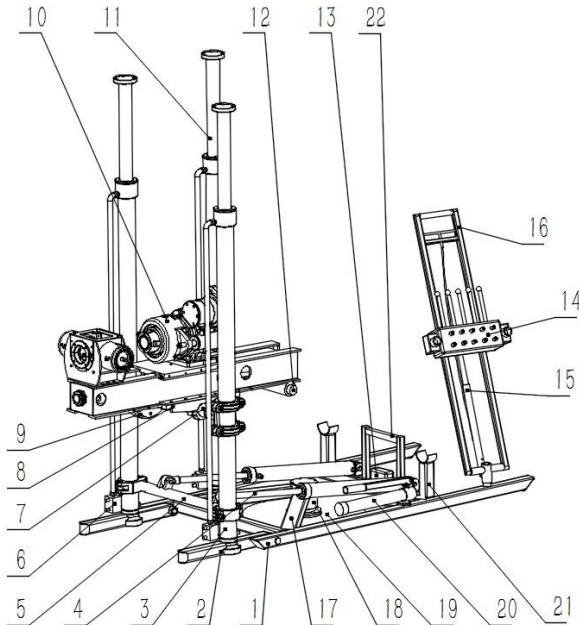
72: BAI, Ruifeng

33: CN 31: 2023113341501 32: 2023-10-13

54: HYDRAULIC COLLAPSIBLE ROTARY STAND FOR WIRELINE CORING UNDERGROUND DRILL RIG

00: -

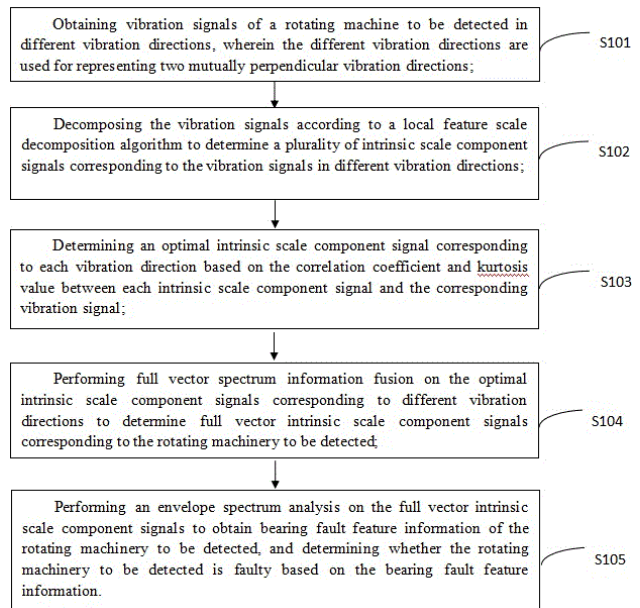
The present disclosure provides a hydraulic collapsible rotary stand for a wireline coring underground drill rig, including two main hydraulic supporting posts, at least one hydraulic post erection cylinder, a collapsible stand base, a horizontal rotating base, and a rotary lifting cylinder, where the rotary lifting cylinder drives the collapsible stand base to move up or down; the collapsible stand base is configured to rotate around a center of the horizontal rotating base; post mounting rods are hinged at a front side of the collapsible stand base; the post mounting rods are respectively connected to the main hydraulic supporting posts; a main post supporting cross-bar is provided between the main hydraulic supporting posts; through the hydraulic post erection cylinder, the main post supporting cross-bar is supported and the main hydraulic supporting post is pushed to be erected or collapsed.



21: 2024/00051. 22: 2024/01/02. 43: 2024/07/05
 51: G01M
 71: ZRIME Gearing Technology Co., Ltd.
 72: Guan Tengfei, Xu Wenbo, He Guanjie, Li Zhisheng, Liu Jian, Hou Nai, Guo Penghui, Yan Shidang
 33: CN 31: 202211718150.7 32: 2022-12-29
54: METHOD, DEVICE AND ELECTRONIC DEVICE FOR DETERMINING FAULTS OF ROTATING MACHINERY

00: -
 The invention provides a method, a device and electronic device for determining faults of rotating machinery. The method for determining faults of rotating machinery comprises the following steps: decomposing the vibration signals according to a local feature scale decomposition algorithm to determine a plurality of intrinsic scale component signals corresponding to the vibration signals in different vibration directions; performing full vector spectrum information fusion on the optimal intrinsic scale component signals corresponding to different vibration directions to determine full vector intrinsic scale component signals corresponding to the rotating machinery to be detected; performing an envelope spectrum analysis on the full vector intrinsic scale component signals to obtain bearing fault feature information of the rotating machinery to be detected, and determining whether the rotating machinery to be detected is faulty based on the bearing fault feature information. According to the

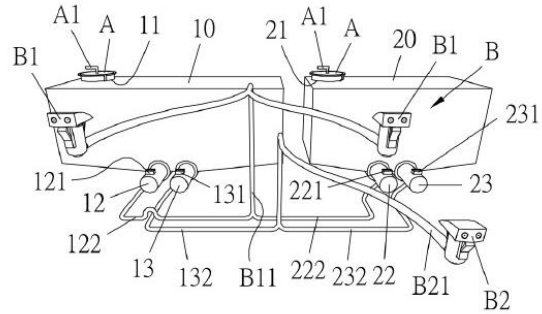
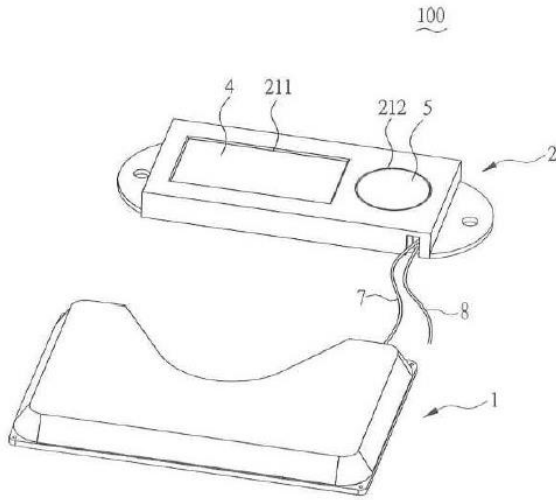
invention, a plurality of intrinsic scale component signals in a plurality of vibration directions are screened, the possibility of missed judgment or misjudgment of faults is reduced, the analysis flow of vibration signals in the later period is simplified, and the analysis efficiency and the accuracy of judging the fault mode of the rotating machinery to be detected are improved.



21: 2024/00056. 22: 2024/01/02. 43: 2024/07/05
 51: G01G
 71: TSAO, Yu-Min
 72: TSAO, Yu-Min
 33: ROC 31: 112200766 32: 2023-01-19
 33: ROC 31: 112117389 32: 2023-05-10
54: WEIGHT MEASURING APPARATUS
 00: -

A weight measurement apparatus (100) contains: a base (1) and a display unit (2). The base (1) is disposed on a ground and includes a first plate (11), a second plate (12), and a weight measuring device (3), a supporting unit (6) disposed between the first plate (11) and the second plate (12). The base (1) also includes no active device. The display unit (2) includes a display panel (4) and a control circuit (9), for being disposed separately from the base (1). The control circuit (9) is electrically connected to the weight measuring device (3) through a transmission unit (7) and detects a deformation of the weight measuring device (3) caused by pressing against the supporting unit (6) through the transmission unit (7).

The display panel (4) displays a weight value related to the deformation.



21: 2024/00065. 22: 2024/01/02. 43: 2024/07/05
51: B60S

71: TSAO, Yu-Min

72: TSAO, Yu-Min

33: ROC 31: 112117386 32: 2023-05-10

54: WINDSHIELD WASHER RESERVOIR

00: -

A windshield washer reservoir includes a first tank having an interior for containing clean water and including a first front pump; a second tank having an interior for containing liquid detergent and including a second front pump, the first front pump and the second front pump being connected to a windshield washer nozzle apparatus; a first control device, electrically connected to a first front power connector, so that the first control device activates/deactivates the first front pump to allow the clean water to be sprayed through the windshield washer nozzle apparatus onto a car front windshield; and a second control device, electrically connected to a second power connector, so that the second control device activates/deactivates the second front pump to allow the liquid detergent to be sprayed through the windshield washer nozzle apparatus onto the front windshield.

21: 2024/00093. 22: 2024/01/02. 43: 2024/07/05
51: B07C

71: REEMOON TECHNOLOGY CO., LTD.

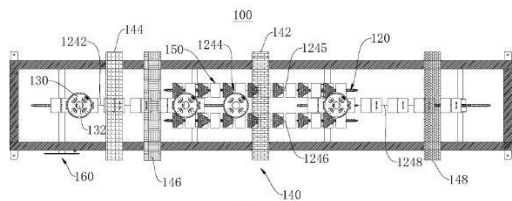
72: ZHU, Er, ZHU, Yi, LIU, Haitao

33: CN 31: 202110747514.3 32: 2021-07-02

54: FRUIT SORTING APPARATUS AND METHOD

00: -

A fruit sorting apparatus (100) and method. The fruit sorting apparatus (100) comprises: a control unit (110), a conveying assembly (120), a detection assembly (160), fruit cups (130), a plurality of fixing assemblies (150) and a plurality of detection units (140), wherein the control unit (110) is configured to receive a plurality of pieces of detection information, and match detection information corresponding to a fruit cup of the in-place signal according to a running speed of the conveying assembly (120), a starting point time of an in-place signal, the distance between the detection unit (140) and the detection assembly (160) and time information of the detection information. According to a starting point time, a running speed, the distance between the detection unit (140) and the detection assembly (160), and time information, it is possible to realize matching between the fruit cup (130) and detection information, realizing one-to-one correspondence between a plurality of pieces of detection information and a plurality of fruit cups (130), so as to avoid the influence of the loss of fruit cups (130) on subsequent sorting, and reduce the problem of disorder of subsequent data as much as possible, thereby improving the precision of fruit sorting.



21: 2024/00097. 22: 2024/01/02. 43: 2024/08/01

51: A01G; A01N; A01P

71: ZHENGZHOU FRUIT RESEARCH INSTITUTE, CAAS

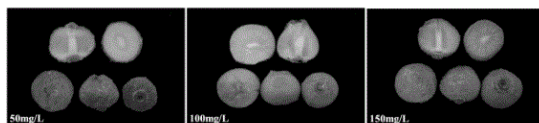
72: SUN, Leiming, FANG, Jinbao, QI, Xiujuan, LIN, Miaomiao, WANG, Ran, LI, Yukuo, GU, Hong, ZHONG, Yunpeng

33: CN 31: 202110570654.8 32: 2021-05-25

54: METHOD FOR INDUCING FRUITING OF MALE FLOWERS OF DELICIOUS KIWIFRUIT

00: -

A method for inducing fruiting of male flowers of delicious kiwifruit. The method comprises: in 1-2 days before the male flowers of the delicious kiwifruit bloom, treating flower buds by using an inducer, the inducer being an aqueous solution of 1-(2-chloro)-3-phenylurea, and the concentration of the inducer being 50-150 mg/L. The method has important application value for mastering the fruit traits of male plants, improving the selection of male plant parents in cross breeding, and accelerating the cross breeding process of kiwifruit.



21: 2024/00104. 22: 2024/01/02. 43: 2024/08/01

51: G06F

71: HUAINAN NORMAL UNIVERSITY

72: Yaoshan BI, Kaifeng HUANG, Litong DOU, Dong LI, Fenghui LI, Keliang ZHAN

33: CN 31: 2023113908790 32: 2023-10-25

54: METHOD FOR EVALUATING WATER RICHNESS OF BOTTOM AQUIFER OF CENOZOIC LOOSE LAYER OF COAL MINE

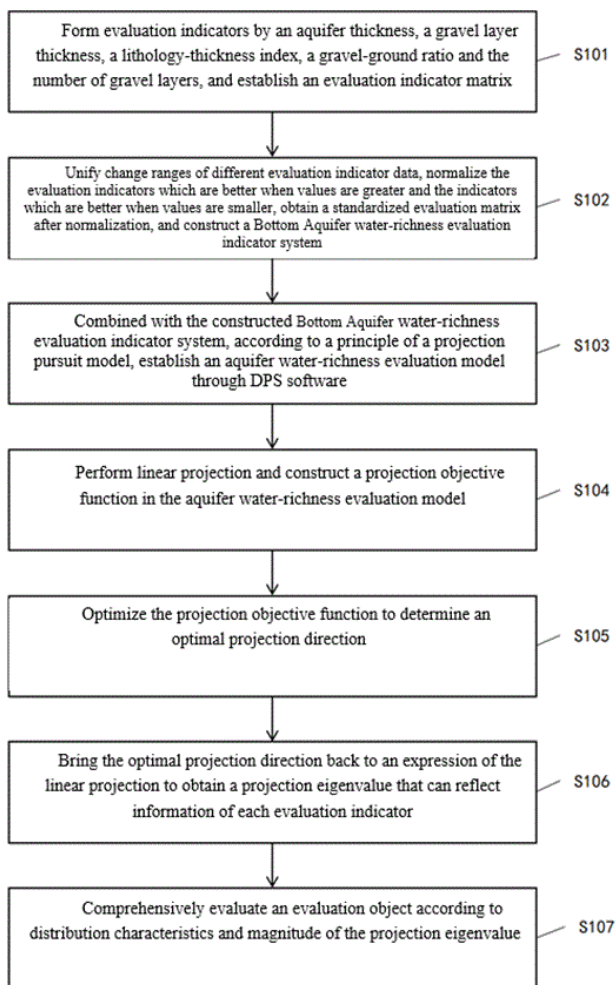
00: -

The present invention belongs to the technical field of resource evaluation systems, and discloses a method for evaluating water richness of a bottom aquifer of a Cenozoic loose layer of a coal mine based on sedimentary water control laws. Evaluation indicators are formed by an aquifer thickness, a

gravel layer thickness, a lithology-thickness index, a net-to-gross ratio and the number of gravel layers, and an evaluation indicator matrix is established.

Change ranges of different evaluation indicator data are unified, normalization is performed, a standardized evaluation matrix after processing is obtained, and a Bottom Aquifer water-richness evaluation indicator system is constructed.

Combined with the constructed Bottom Aquifer water-richness evaluation indicator system, according to a principle of a projection pursuit model, an aquifer water-richness evaluation model is established through DPS software. Linear projection is performed and a projection objective function is constructed in the aquifer water-richness evaluation model. The projection objective function is optimized to determine an optimal projection direction. The optimal projection direction is brought back to an expression of the linear projection to obtain a projection eigenvalue that can reflect information of each evaluation indicator so as to comprehensively evaluate an evaluation object.



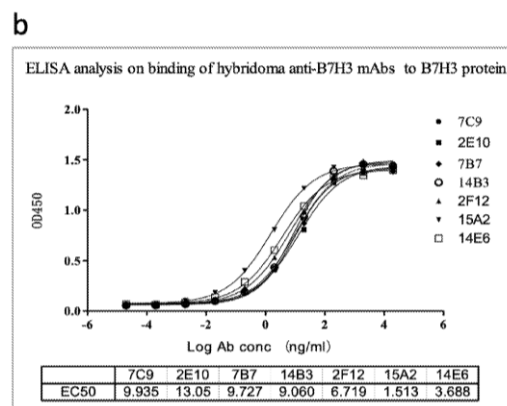
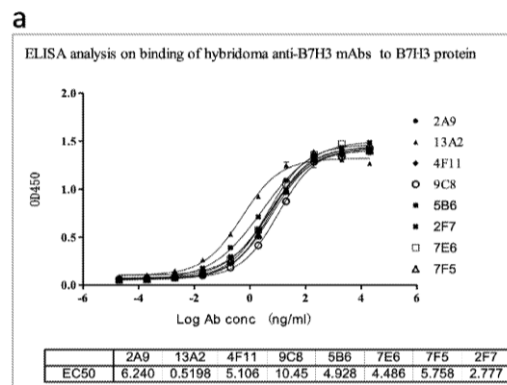
21: 2024/00108. 22: 2024/01/02. 43: 2024/07/08
 51: A61K; C07K; A61P
 71: INNOLAKE BIOPHARMA (HANGZHOU) CO., LTD.

72: QIU, Junzhan, WANG, Zhensheng, SUN, Kai, CHEN, Junyong, SUN, Jian, LI, Zhongliang, XIA, Mingde, CHEN, Rulei

33: CN 31: 202110639996.0 32: 2023-06-09

54: A GROUP OF B7H3 MONOCLONAL ANTIBODIES AND MEDICAL USE THEREOF

00: -
 Provided are a group of anti-B7H3 monoclonal antibodies and humanized antibodies thereof. The antibodies obtained by means of hybridoma technology have B7H3 affinity, cell endocytosis effect, and antibody-dependent cytotoxicity, or can effectively block an immunosuppressive effect caused by B7H3, and can be used for preparing related drugs for inhibiting cancer cells, regulating the effect and level of B7H3, and enhancing the immunity of an organism.



21: 2024/00113. 22: 2024/01/02. 43: 2024/07/08
 51: A61K; C12N; A61P
 71: BHARAT BIOTECH INTERNATIONAL LIMITED
 72: VADREVU, Krishna Mohan, ELLA, Krishna Murthy, BRUNDA, Ganneru, VELLIMEDU KANNAPPA, Srinivas, MULUGU, Narasimha Reddy
 33: IN 31: 202141021918 32: 2021-05-31
54: ADJUVANTED INACTIVATED RECOMBINANT RABIES VIRUS VECTORED CORONAVIRUS VACCINE FORMULATIONS

00: -
 The invention discloses an adjuvanted inactivated recombinant rabies virus vectored coronavirus vaccine formulation comprising SEPIVAC SWE or MemVax as adjuvant/s. The invention provides vaccine compositions, formulation 1 comprising combination of inactivated recombinant rabies virus vectored antigen and SEPIVAC SWE as an adjuvant and formulation 2 comprising combination of inactivated recombinant rabies virus vectored antigen and MemVax as an adjuvant. The said adjuvanted inactivated recombinant rabies virus vectored (rdNA-CoroRab) vaccine formulation prepared using SEPIVAC SWE or MemVax induces robust humoral, and cell mediated responses

against SARS-CoV-2 compared to antigen alone and provides long term immunity.

21: 2024/00149. 22: 2024/01/03. 43: 2024/07/08
 51: A61K; C12N
 71: GENNOVA BIOPHARMACEUTICALS LIMITED
 72: RAUT, Sunil, SINGH, Sanjay, KAVIRAJ, Swarnendu, SINGH, Ajay, RAGHUWANSHI, Arjun Singh, KARDILE, Pavan, SHUKLA, Shalu, KULKARNI, Aishwarya, AGRAWAL, Praveen
 33: IN 31: 202121031414 32: 2021-07-13
54: RNA ADSORBED ONTO LIPID NANO-EMULSION PARTICLES AND ITS FORMULATIONS.

00: -
 RNA adsorbed onto lipid nano-emulsion particles and its formulations. The present invention relates, a method of preparing a liquid formulation of RNA complexed with lipid nano-emulsion particles or nano-carriers. It particularly provides a method for preparation of the RNA adsorbed onto lipid nano-emulsion particles in liquid and the formulations of said RNA complexes as such.

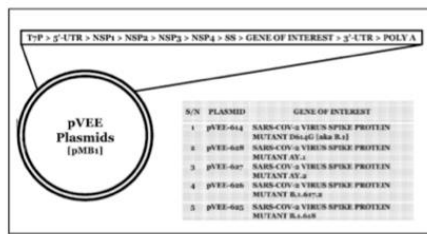
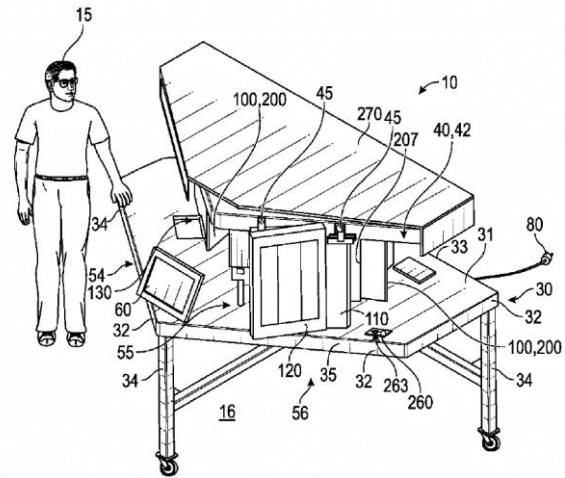


FIGURE 1

21: 2024/00185. 22: 2024/01/04. 43: 2024/07/10
 51: A61J; B65B; G01N
 71: ANTHENAT, Bruce
 72: ANTHENAT, Bruce
 33: US 31: 63/242,020 32: 2021-09-08
 33: US 31: 17/902,991 32: 2022-09-05
54: IV BAG INSPECTION APPARATUS AND METHOD

00: -
 An apparatus for inspection of IV bags includes a base having a working surface. A conveyor is raised above the working surface with conveyor supports and includes a plurality of bag clips, each adapted to hold one of the IV bags in an inverted position at one of a plurality of workstations. A controller moves the conveyor such that the bag clips each move from one workstation to the next at set intervals. A loading workstation places one of the IV bags into one of the

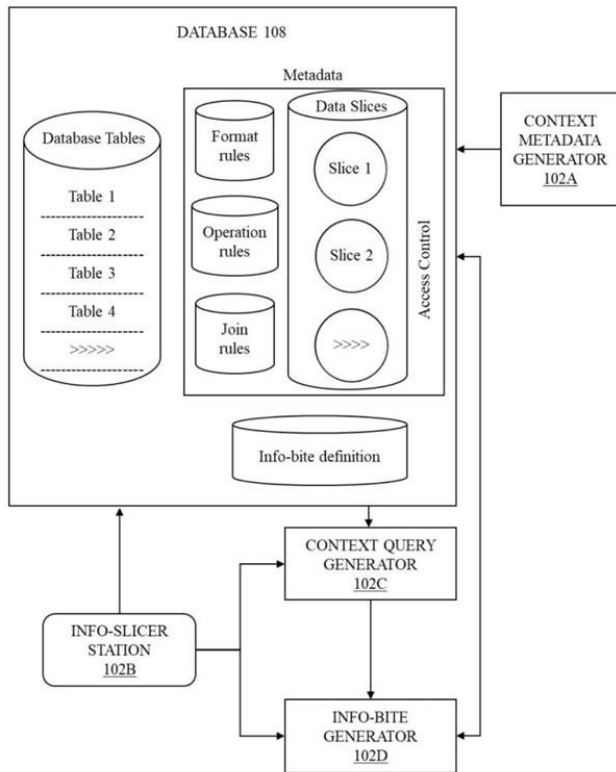
bag clips. A bubble mitigation station agitates a fluid within the IV bag to dislodge any air bubbles. Two particle agitation stations agitate the fluid and any debris particles. An inspection station includes a backlighting apparatus, a camera, a display, and a rejection chute leading to a disposal receptacle.



21: 2024/00207. 22: 2024/01/05. 43: 2024/07/10
 51: G06Q
 71: TATA CONSULTANCY SERVICES LTD.
 72: MALHOTRA, Kavita, BHOLA, Amit Kumar, SONI, Purushottam, PAL, Ratikanta, SINGH, Devendra Kumar, ASIJA, Vaishali, THAPLIYAL, Shweta, GOVEL, Manoj Kumar
 33: IN 31: 202321001224 32: 2023-01-05
54: NO-CODE PLATFORM FOR GENERATING REPORTS AS A TRANSACTION

00: -
 Generating reports from database is conventionally performed manually which requires skilled persons, time consuming and prone to errors. Thus, embodiments of present disclosure provide a no-code platform for generating reports as a transaction. User selects a slice object, its information attributes, report attributes, and optionally filters, grouping, splitting, and sorting conditions which are displayed by the no-code platform. Further, a database query is generated based on the user selection by the no code platform. The database query is then executed to retrieve data from a database. Finally, a report is generated based on the retrieved data and the report attributes. Thus, users can obtain reports as a transaction by just specifying their requirements. They need not know the complex structure of the database. Also,

the method can be used to generate any type of report from any type of database irrespective of the internal data organization of the database.



21: 2024/00235. 22: 2024/01/08. 43: 2024/08/01
51: C12N

71: Hainan Tropical Ocean University

72: MU, Jun, YANG, Jing, YAO, Lingdi

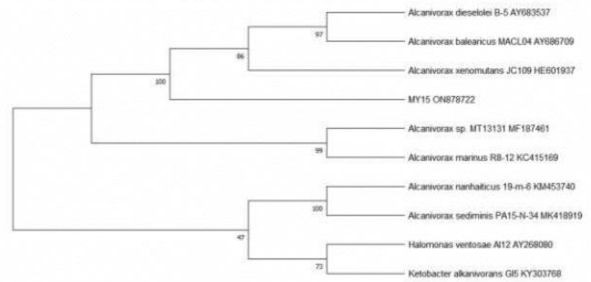
33: CN 31: 202310029487.5 32: 2023-01-09

54: ALCANIVORAX DIESELOLEI, APPLICATION OF ALCANIVORAX DIESELOLEI, METHOD FOR CULTURING ALCANIVORAX DIESELOLEI, AND METHOD FOR DEGRADING PLASTICS

00: -

Disclosed are *Alcanivorax dieselolei*, application of *Alcanivorax dieselolei*, a method for culturing *Alcanivorax dieselolei*, and a method for degrading plastics. The present invention provides *Alcanivorax dieselolei*, application of *Alcanivorax dieselolei*, a method for culturing *Alcanivorax dieselolei*, and a method for degrading plastics. The *Alcanivorax dieselolei* provided in the present invention has a preservation number of CGMCC No. 26017, has a plastic degradation function, and can degrade polyethylene in seawater with high degradation efficiency. Experiments show that *Alcanivorax dieselolei* MY15 is successfully separated and

screened from bottom mud of mangrove near an estuary of Sanya River in Hainan Province. A polyethylene plastic film processed by the *Alcanivorax dieselolei* MY15 for 4 weeks is degraded with a degradation rate of $1.1 \pm 0.08 \text{ g/(d}\cdot\text{m}^3)$; and a polyethylene plastic film not processed by the *Alcanivorax dieselolei* MY15 has no erosion trace on a surface with no quality change.



21: 2024/00325. 22: 2024/01/09. 43: 2024/07/11
51: H02J

71: VALMONT INDUSTRIES, INC.

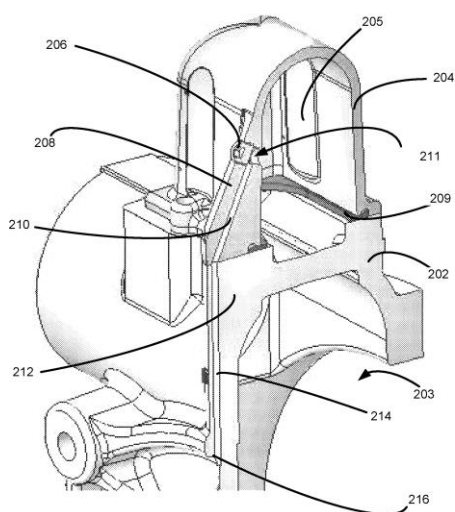
72: DILLON, Cory J.

33: US 31: 63/230,197 32: 2021-08-06

54: SYSTEM, METHOD AND APPARATUS FOR PROVIDING A GEARBOX EXPANSION CAP AND VALVE ASSEMBLY

00: -

The present invention teaches a gearbox expansion cap that allows a gearbox unit to breathe to atmosphere while preventing the ingress of water or other materials into the gearbox or gearbox oil. According to a first preferred embodiment, the expansion cap of the present invention includes a pressure relief plug to control gearbox pressures. Additionally, the present invention teaches air channels enclosed within a gearbox casting which mate with air channels provided within the expansion cap to channel air from the expansion cap into the atmosphere.



21: 2024/00382. 22: 2024/01/11. 43: 2024/07/12

51: A61K

71: Mingqiang Yang

72: Mingqiang Yang

33: CN 31: 2023104146321 32: 2023-04-18

54: A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING LUMBAR DISC HERNIATION

00: -

A traditional Chinese medicine composition for treating lumbar disc herniation comprises the following raw material components in parts by weight: 2-6 parts of Radix Angelicae Sinensis, 3-5 parts of Flemingia, 2-6 parts of Radix et Rhizoma Notoginseng, 5-7 parts of Eucalyptus globulus, 4-8 parts of Pericarpium Zanthoxyli, 3-5 parts of Stephania japonica, 3-5 parts of Zhangdan (MINIUM), 4-6 parts of Fructus Euodiae, 4-5 parts of Caulis et Radix Crotonis Tiglii, 4-8 parts of raw Os Draconis, 3-5 parts of raw Radix Aconiti, 100-140 parts of Chinese Baijiu, 1-1.5 parts of Menthol, the traditional Chinese medicine composition proposed by the invention has a reasonable formula design, through the reasonable compatibility of Radix Angelicae Sinensis, Flemingia, Radix et Rhizoma Notoginseng, Eucalyptus globulus, Pericarpium Zanthoxyli, Stephania japonica, Zhangdan (MINIUM), Fructus Euodiae, Caulis et Radix Crotonis Tiglii, raw Os Draconis, raw Radix Aconiti, Menthol, each raw material medicine is dialectically compatible and complements each other in function and synergizes with each other, after being soaked in Chinese Baijiu, the active ingredients of each raw

material are fully dissolved in Chinese Baijiu, the prepared medicinal liquor has the functions of clearing heat and detoxifying, dispelling wind and dampness, promoting blood circulation and dredging collaterals, and can be used to treat lumbar disc herniation and waist and leg pain.

21: 2024/00393. 22: 2024/01/11. 43: 2024/08/01

51: A01C

71: West Anhui University

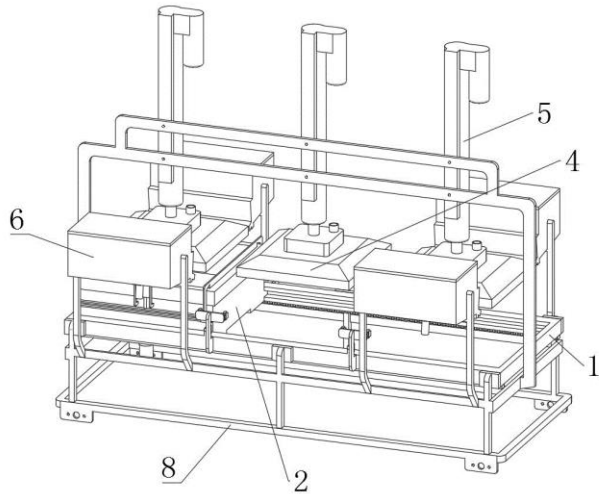
72: Junhui Cheng, Yourui Huang, Shanyong Xu, Tao Han

33: CN 31: 202310600472.X 32: 2023-05-25

54: A PRECISION PLANTER WITH AIR-SUCTION VIBRATING DISC FOR FIELD SEEDLING CULTIVATION

00: -

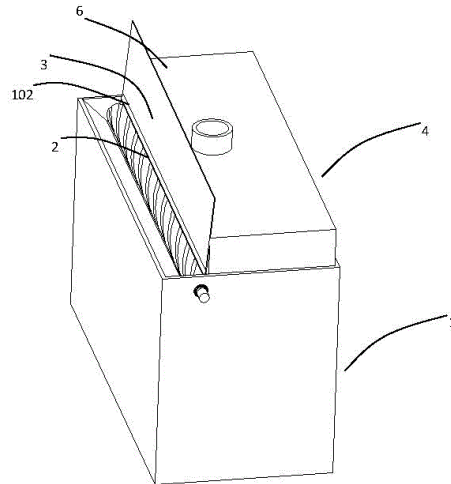
The invention relates to the technical field of seeding machine, in particular discloses a precision planter with air-suction vibrating disc for field seedling cultivation, comprising a rectangular frame, which is arranged horizontally, and a rectangular shell is sliding inside the rectangular frame, a rectangular vibration disc is sliding inside the rectangular shell, and a plurality of air-suction discs are uniformly arranged on the upper side of the rectangular frame. And the top of the air-suction tray is vertically installed for the control of the lifting of the electric telescopic rod, the rectangular vibration disc is provided with a scraper mechanism, the two sides of the rectangular frame are provided with a seed box, the bottom of the seed box is provided with an outlet, the outlet is inclined and extended to the edge of the rectangular vibration disc, and the port of the outlet is matched with a sealing mechanism. The invention effectively reduces the operation gap between seeding and seed sucking, it can realize the real-time addition of rice seed, and it has high working efficiency, and it is conducive to large-scale seeding production.



21: 2024/00431. 22: 2024/01/12. 43: 2024/08/01
 51: A01B
 71: Northwest A & F University
 72: LI Jiang, XU Liang, FU Zuoli, HUANG Yuxiang,
 FENG Baili, YANG Qinghua, Aliaksandr Ivanistau,
 WANG Honglu, LIANG Jibao
**54: FILM COLLECTING BIN AND SMALL-PLOT-
 ADAPTED LIGHTWEIGHT RESIDUAL FILM
 RECYCLING MACHINE**

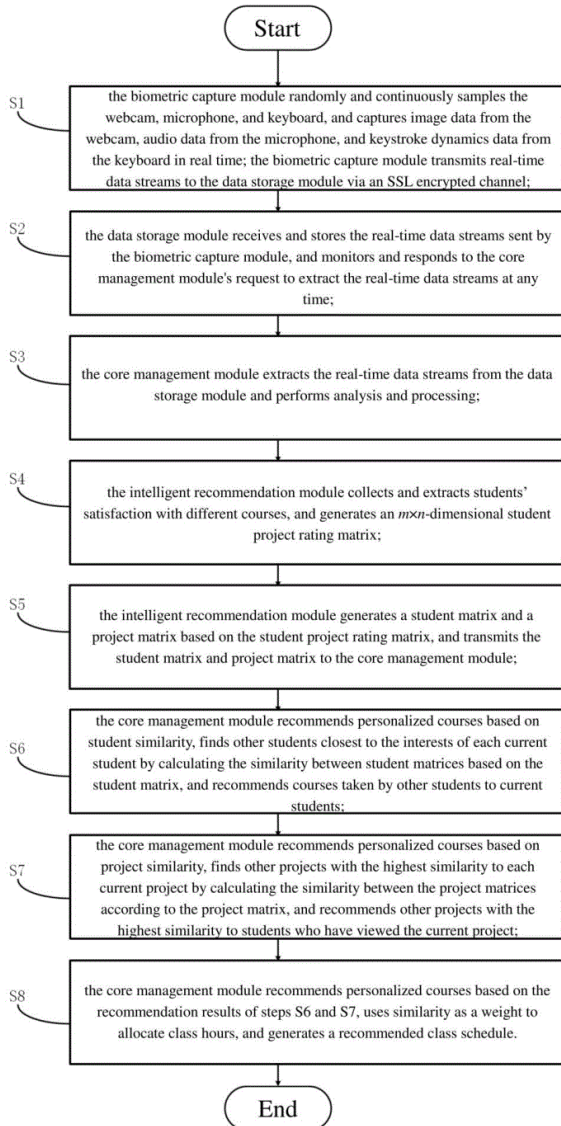
00: -
 The present invention discloses a film collecting bin and a spring-tooth type residual film pickup recycling machine. The film collecting bin includes: a film collecting bin body, wherein internal space of the film collecting bin body is a film collecting cavity, and a top of the film collecting bin body is provided with a residual film recycling inlet communicated to the film collecting cavity; an inclined feeding plate, wherein a higher end side of the inclined feeding plate is fixedly connected to one side wall of the residual film recycling inlet, and a lower end side of the inclined feeding plate extends toward interior of the film collecting cavity; a pressing wheel rotatably mounted on two opposite side walls of the film collecting bin body and disposed at the residual film recycling inlet; one end of the pressing wheel is fixedly connected to an output shaft of a drive motor mounted on one side wall of the film collecting bin body; the pressing wheel is disposed above a top surface of the inclined feeding plate; a water tank fixed on a top surface of the film collecting bin body and disposed on a side of the residual film recycling inlet, wherein the water tank has a water outlet at a bottom of one side wall of the water tank for water supply to the pressing wheel. Compared with the conventional mechanical

pressing film collecting bin, this film collecting bin has a certain structural simplification, making the structure of the film collecting bin simpler and more compact.

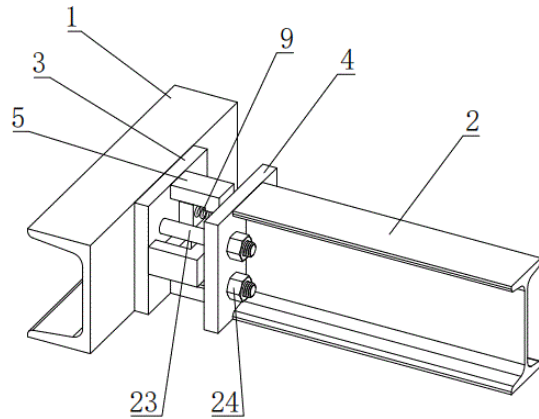


21: 2024/00432. 22: 2024/01/12. 43: 2024/07/15
 51: G06F; G06Q
 71: Weishan Tongzai Electronic Information
 Technology Co., Ltd
 72: Bini LYU
 33: CN 31: 2023117950547 32: 2023-12-25
**54: INTEGRATED AI MANAGEMENT SYSTEM
 FOR EDUCATION AND TRAINING BASED ON
 CLASS HOUR ALLOCATION**

00: -
 The invention belongs to the field of education management, specifically an integrated AI management system for education and training, including a biometric capture module, a data storage module, an intelligent recommendation module and a core management module. The invention uses three dimensions of image, audio, and keystroke dynamics to monitor whether students have improper behavior; the invention uses a supervised VGG network and adds regular terms to the loss function to avoid overfitting and efficiently complete the student project scoring matrix; the invention uses a block-based matrix decomposition SVD algorithm to efficiently calculate the student matrix and project matrix, improves the performance of the algorithm, and reduces the pressure and calculation cost of dismantling the student project scoring matrix.



shaped rod, and a groove is opened on the side surface of the free end of the L-shaped rod; A square bar facing the direction of the channel steel beam is fixed on the second square plate, a stop block is fixed on four sides of the square bar end, and a first spring is fixed on the stop block facing the direction of the I-beam; Placing the stopper between two adjacent L-shaped bars and rotating the stopper so that when the stopper corresponds to the L-shaped bar one by one, the unfixed end of the first spring is placed in a corresponding groove; The L-shaped rod is provided with a locking device, and one end of the locking device placed in the groove is fixed; The channel steel beam and the I-beam are fixed together by means of bolts and nuts, and the invention solves the problem of poor shock absorption effect of the steel composite structure.



21: 2024/00446. 22: 2024/01/12. 43: 2024/07/15
51: B60L; H02J

71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD.

72: WANG, Chao

33: CN 31: 202110839623.8 32: 2021-07-23

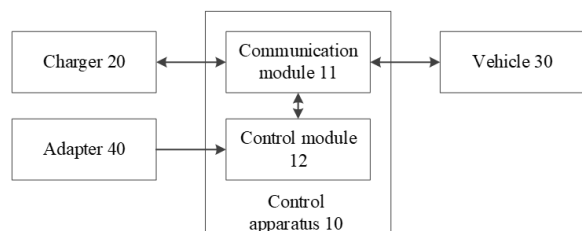
54: ADAPTER CONTROL APPARATUS AND METHOD, ADAPTER, AND CHARGING SYSTEM
00: -

The present disclosure provides an adapter control apparatus and method, an adapter, and a charging system. The control apparatus includes: a communication module configured to transmit a message between a charger and a vehicle, and a control module configured to parse and acquire an output current range of the charger when receiving an output capability message of the charger sent by the charger, and send a corresponding message to the vehicle based on a rated current of an adapter

21: 2024/00438. 22: 2024/01/12. 43: 2024/08/01
51: E04H
71: Zhengzhou University of Aeronautics
72: Li Lei, Chen Zhuo, Wang Xuan, Li Guangfeng, Zhu Zhibing, Lou Haoyun, Su Xiaozhou, Shen Chen, Tian Limin, Li Guanghui, Jiang Huiru, Zhang Guohui
54: A NEW CSIPS-STEEL COMBINED STRUCTURE VIBRATION ISOLATION DEVICE
00: -

Disclosed in the present invention is a new CSIPS-steel combined structure vibration isolation device, comprising a channel steel beam, an I-beam being arranged on one side of the channel steel beam, and a first square plate and a second square plate being arranged between the channel steel beam and the I-beam; The first square plate is provided with an L-

and the output current range, so that the vehicle sends a feedback message to the charger based on the received message and an own configuration parameter. The present disclosure improves the use safety of the adapter by providing the control apparatus configured to protect the adapter based on the rated current of the adapter itself, thereby improving the safety and reliability of new energy vehicles during charging.



21: 2024/00488. 22: 2024/01/15. 43: 2024/07/18

51: G01N; G06T

71: REEMOON TECHNOLOGY CO., LTD.

72: ZHU, Er, ZHU, Yi

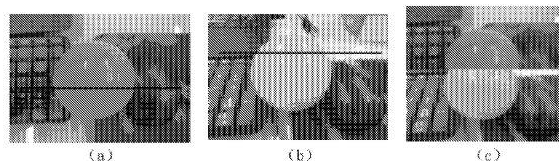
33: CN 31: 202110870046.9 32: 2021-07-30

54: DETECTION SYSTEM AND METHOD, COMPUTER DEVICE, AND COMPUTER READABLE STORAGE MEDIUM

00: -

Provided are a detection system (10) and method, a computer device (13), and a computer readable storage medium; the detection system (10) comprises a laser (11), a camera unit (12), and a computer device (13); the camera unit (12) is mounted in an upper region of a measured object (14); the laser (11) is mounted directly above the measured object (14), and a transmitting port of the laser (11) is facing the measured object (14); the laser (11) is configured to be used for projecting a laser plane, the laser plane intersecting a surface of the measured object (14) to form a laser line, and the laser line dividing the surface into a plurality of different regions of interest; the camera unit (12) is configured to be used for collecting images of the measured object (14) from different shooting angles, each image including part or all of each region of interest; and the computer device (13) is configured to be used for cutting and splicing all of the images on the basis of the region of interest contained in each image to obtain a target image of the surface. The spliced complete surface image can be obtained, ensuring that surface defects can

subsequently be accurately positioned and identified.



21: 2024/00556. 22: 2024/01/17. 43: 2024/08/01

51: A61P

71: Xiamen University

72: HU, Tianhui, GAO, Jinhao, XU, Beibei, LUO, Xiangjie, LIN, Hongyu, XIONG, Jing, ZHANG, Wenqing

54: BERBERINE-COUPLED CISPLATIN DERIVATIVE AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention relates to the technical field of the pharmaceutical and chemical industry, and in particular to a berberine-coupled cisplatin derivative and a preparation method and application thereof.

The present invention provides a berberine-coupled cisplatin derivative, and the berberine-coupled cisplatin has a structure shown in Formula I below. The berberine-coupled cisplatin derivative provided by the present invention can effectively inhibit the proliferation activity of intestinal cancer cells and significantly reduce the killing effect of cisplatin on normal intestinal epithelial cells; the in vivo mouse experiments demonstrate that berberine-coupled cisplatin chemical has better tumor inhibition effect than cisplatin.

21: 2024/00557. 22: 2024/01/17. 43: 2024/08/01

51: C25C

71: Taiyuan University of Technology

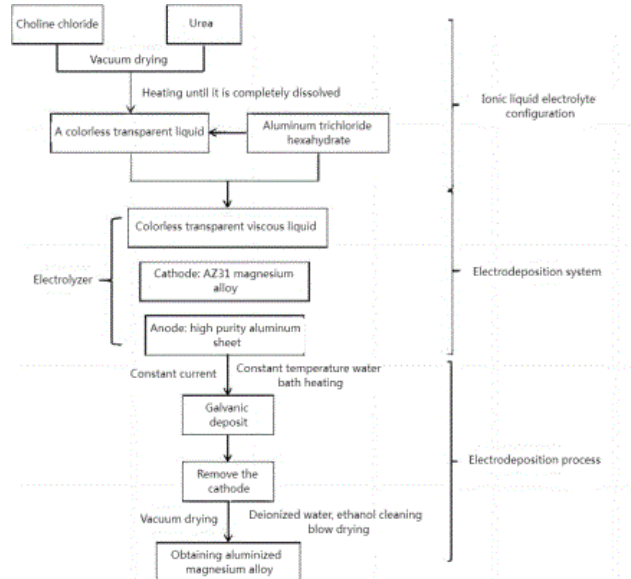
72: Jinling ZHANG, Fanxi YANG, Xiaomin ZHANG, Jie PAN, Yanchong YU, Shebin WANG

54: METHOD FOR PREPARING ALUMINIZED MAGNESIUM ALLOY BY ELECTRODEPOSITION IN IONIC LIQUID

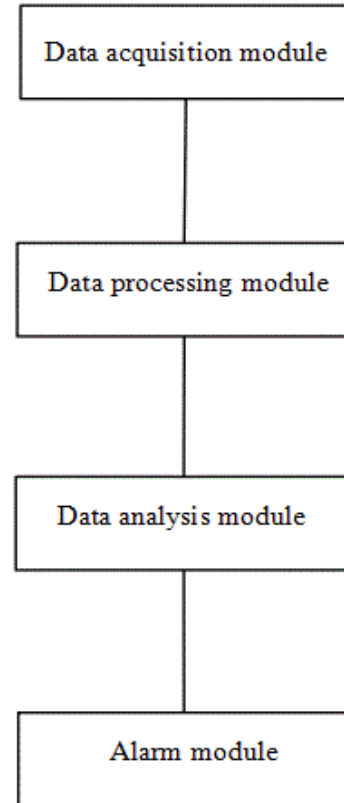
00: -

The invention discloses a method for preparing aluminumized magnesium alloy by electrodeposition in ionic liquid, which belongs to the field of magnesium alloy surface protection technology, the magnesium alloy pretreated on the substrate surface is placed in an ionic liquid electrolyte for constant current constant temperature electrodeposition, the ionic

liquid electrolyte is a choline chloride-urea-aluminum trichloride hexahydrate saturated ionic liquid, the molar ratio of choline chloride, urea, and aluminum trichloride hexahydrate is 1:2:(0.05-0.1), the invention can prepare metal aluminum coating on magnesium alloy substrate at low temperature, the raw material is simple, the operation is convenient, and the corrosion resistance of magnesium alloy can be improved after plating.



abnormal conditions are detected based on the detection result. The monitoring system of the invention improves the safety and service life of the fluid machinery.



21: 2024/00558. 22: 2024/01/17. 43: 2024/08/01
51: G01H

71: Northwest A&F University
72: DONG Wei, ZHANG Haichen

54: WATER TURBINE CAVITATION MONITORING SYSTEM

00: -
The invention discloses a water turbine cavitation monitoring system, which comprises a data acquisition module which is used for acquiring the initial running state data of the water turbine in real time; a data processing module which is connected with the data acquisition module and used for denoising the initial running state data and extracting key features to obtain the target running state data; a data analysis module which is connected with the data processing module and used for real-time analyzing the target running state data, and detecting the possible cavitation situation through a preset algorithm and model to obtain a detection result; and an alarm module which is connected with the data analysis module and used for giving an acousto-optic alarm when cavitation or other

21: 2024/00559. 22: 2024/01/17. 43: 2024/08/01
51: A23K

71: Shihezi University, Third Division Animal Husbandry and Veterinary Workstation, Xinjiang Academy of Agricultural Science
72: Fanfan ZHANG, Xiaokai ZHENG, Chunhui MA, Shuangming LI, Yongcheng CHEN, Rongzheng HUANG, Chunying JIA, Li ZHANG, Yingchao SUN, Xuheng ZHAO

54: A PREPARATION METHOD OF BROUSSONETIA PAPYRIFERA SILAGE SHEEP FEED

00: -
The invention relates to a kind of Broussonetia papyrifera silage sheep feed and its preparation method and application. According to the mass fraction, it includes the following formula components: 30-50 parts of corn, 10-30 parts of cottonseed meal (detoxification), 20-30 parts of alfalfa, 30-50 parts of Broussonetia papyrifera silage, 30-50 parts of wheat straw, 1-2 parts of compound

microorganism; the feed product of the invention can improve the immunity of sheep and the growth performance of sheep.

21: 2024/00560. 22: 2024/01/17. 43: 2024/08/01
51: F24F

71: Zhiye Wang, Yebin Wang, Xuzhou Xinkun Electric Co., Ltd

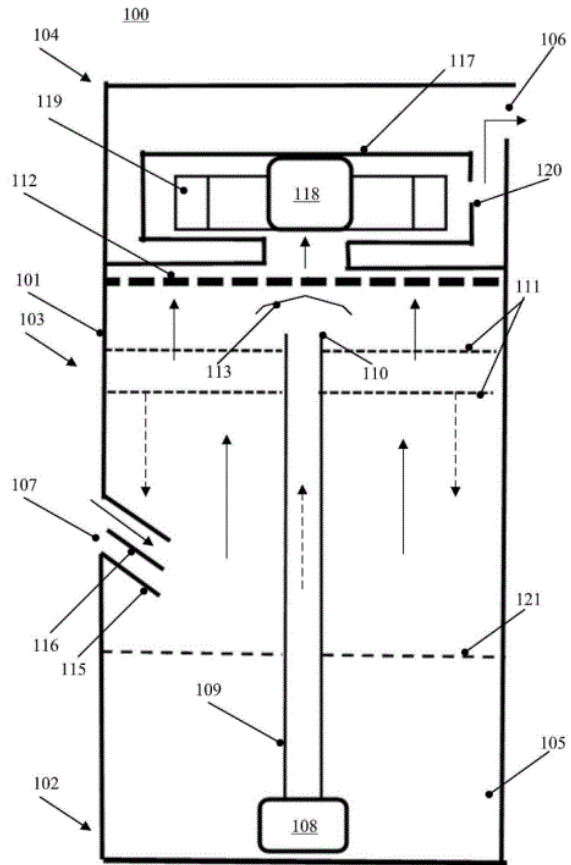
72: Zhiye Wang, Yebin Wang

33: CN 31: 202320118748.6 32: 2023-01-19

54: A LIQUID-WASHING AIR PURIFYING AND DISINFECTING DEVICE

00: -

A liquid-washing air purifying and disinfecting device comprises a water storage body, the water storage body is filled with water at the bottom, a first air outlet is arranged on the upper part of its sidewall, and an air inlet is arranged on the middle part of its sidewall; a circulating water device comprises a water pump and an outlet pipe, the water pump is arranged at the center of the bottom of the water storage body, the outlet pipe is vertically arranged, and its bottom is connected to the water pump, the water outlet of the outlet pipe extends upward into the middle of the water storage body; a filtering device comprises multiple annular filter layers, the annular filter layers are located above the water surface, the air inlet is arranged below the annular filter layers and above the water surface.



21: 2024/00561. 22: 2024/01/17. 43: 2024/08/01
51: G01N

71: HYBRID RAPESEED RESEARCH CENTER OF SHAANXI PROVINCE

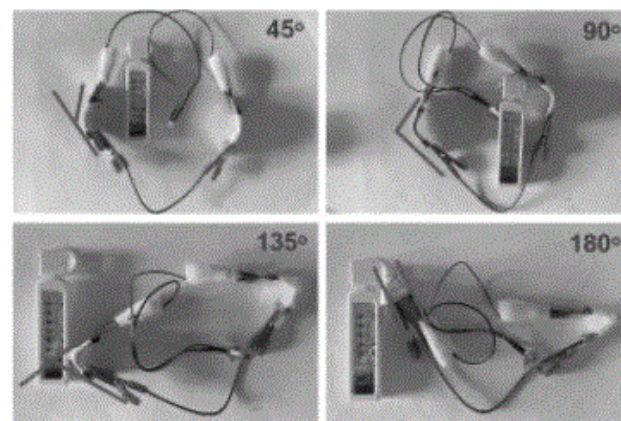
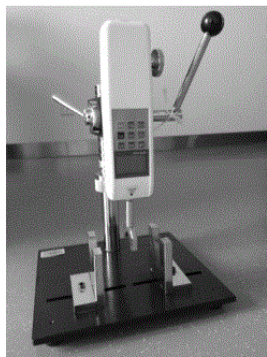
72: ZHU, Yantao, MU, Jianxin, WANG, Hao, WEI, Shihao, AN, Ran, JIA, Qingli, JI, Yuxue

54: METHOD FOR RAPIDLY AND PRECISELY MEASURING POD SHATTER RESISTANCE OF RAPESEED POD

00: -

The present invention provides a method for rapidly and precisely measuring pod shatter resistance of a rapeseed pod and belongs to the agricultural field. The method includes the following steps: drying a rapeseed pod; and then measuring a numerical value of the maximum shattering force of the rapeseed pod which is stressed and extruded to crack by way of vertically downward fracturing with a digital pull and push dynamometer. The method can directly measure the specific numerical value of the shattering force of the rapeseed pod. The method is simple, rapid, precise and efficient, and convenient

to compare and screen intensity of the pod shatter resistance of materials.



21: 2024/00565. 22: 2024/01/17. 43: 2024/07/19
51: H01M

71: Jiangsu Urban and Rural Construction Vocational College

72: LI Le, CHEN Sheng, CHEN Tao, LI Haiping, ZHU Qianyi, WANG Wanning, ZHAO Hongyan, CHEN Zhiyong, ZHANG Jiahao, LI Jie

33: CN 31: 202310377755.2 32: 2023-04-11

54: PVA-BASED QUASI-SOLID ELECTROLYTE AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF

00: -

Disclosed are a PVA (Polyvinyl Alcohol)-based quasi-solid electrolyte as well as a preparation method and an application thereof, belonging to the technical field of new energy materials. A gel material, obtained by PVA, iodized salt, zinc salt and potassium hydroxide which occur a polymerization reaction, has a high ionic conductivity and an excellent mechanical stability, and may meet actual application demands of a flexible zinc-air battery. The introduction of iodine species into the PVA-based quasi-solid electrolyte promotes gel polymerization, improves the ionic conductivity of the electrolyte and quickens the transmission for active species and electronics; meanwhile the utilization of a secondary freezing-thawing process promotes the complete gelation of the electrolyte and reduces the water-loss issue of the quasi-solid electrolyte; and the flexible zinc-air battery assembled by the PVA-based quasi-solid electrolyte shows a high open-circuit voltage, a foldable stability and an excellent power density, and the preparation process is simple, easy to implement, less in processes and raw material types and easily available, facilitating implementation and application.

21: 2024/00566. 22: 2024/01/17. 43: 2024/07/19
51: C08F

71: Jiangsu Urban and Rural Construction Vocational College

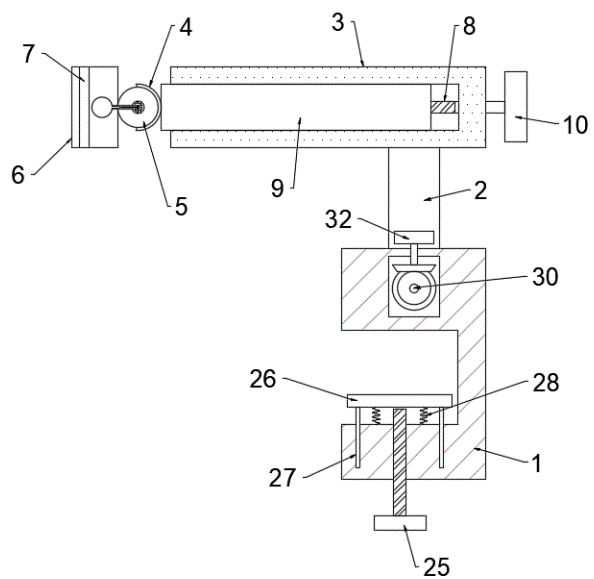
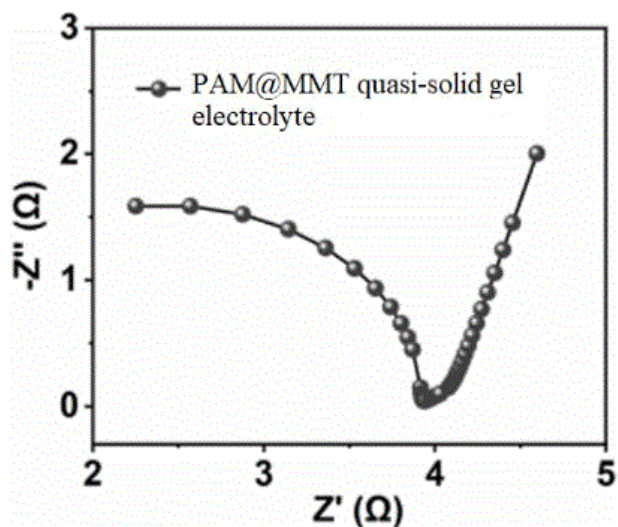
72: LI Le, WANG Wanning, HAN Meijun, MENG Xiangjun, XU Jixing, ZHAO Hongyan, CHEN Zhiyong, ZHANG Jiahao, LI Jie

33: CN 31: 2023103777571 32: 2023-04-11

54: QUASI-SOLID ELECTROLYTE BASED ON IONIC LIQUID AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF

00: -

Disclosed are a quasi-solid electrolyte based on an ionic liquid as well as a preparation method and an application thereof, belonging to the technical field of energy materials. The quasi-solid electrolyte in the present disclosure is a PAM@MMT (Polyacrylamide-Montmorillonoid) gel material prepared by N,N'-Methylenebisacrylamide, acrylamide, potassium persulfate, dimethyl sulfoxide, montmorillonoid, potassium hydroxide and zinc salt which occur a condensation reaction, so the gel material has an excellent mechanical strength, flexibility and tensile property and can meet actual application demands of a flexible zinc-air battery, meanwhile the PAM@MMT quasi-solid electrolyte has an outstanding ionic conductivity and a low diffused resistance, facilitating the quick transmission of active species; and the flexible zinc-air battery assembled by the PAM@MMT gel material as the electrolyte shows a high open-circuit voltage, foldable stability and charge-discharge cycle stability. A synthetic method in the present disclosure is simple, easy to implement and easily available in raw materials, facilitating implementation and application.



21: 2024/00572. 22: 2024/01/17. 43: 2024/08/15
51: A61H

71: The First Affiliated Hospital of Henan University of Traditional Chinese Medicine

72: Wei Dandan, Wang Qingbo, Zhang Minghao, Wang Yongjie, Li Shanshan, Li Yujie, Wu Zongyao

54: ACUPUNCTURE POSITIONER

00: -

The present invention provides an acupuncture positioner, including a C-shaped plate. A positioning and fixing mechanism is arranged on the C-shaped plate, an upper side wall of the C-shaped plate is connected to a movable frame via a movable mechanism, and an upper end of the movable frame is fixedly connected to a fixing frame; an end portion of the fixing frame is connected to an incomplete spherical shell via an adjusting mechanism, a ball block is movably embedded on a side of the incomplete spherical shell away from the fixing frame, an outer wall of the ball block is connected to a positioning block via a connection mechanism, and a positioning hole is disposed at an upper end of the positioning block; and the connection mechanism includes a cavity I disposed in the positioning block and a cavity II disposed in the ball block. In the present invention, two pressing plates are simultaneously pressed inwards, that is, a fixing pipe can be pulled out to remove the positioning block, which makes the positioning block to be cleaned and replaced conveniently; and the moving range of the positioning block is increased, and the adaptability of the device is greatly improved by transversely and longitudinally moving the positioning block.

21: 2024/00604. 22: 2024/01/17. 43: 2024/07/19
51: A62C

71: JOINT STOCK COMPANY

"ROSENERGOATOM", OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "PTO-PTS" (OOO "PTO-PTS"), OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU "INZHENERNIY TSENTR POZHARNOY ROBOTOTEKHNIKI "EFER" (OOO "INZHENERNIY TSENTR POZHARNOY ROBOTOTEKHNIKI "EFER"), AKTSIONERNOE OBSHCHESTVO "POZHIDRAVLIKA" (AO "POZHIDRAVLIKA"), SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE

72: KHAREVSKIY, Valeriy Andreevich, GORBAN', Yuriy Ivanovich, NEMCHINOV, Sergey Georgievich, BURDIN, Alexandr Mikhaylovich, GAYNANOV, Valeriy Feliksovich

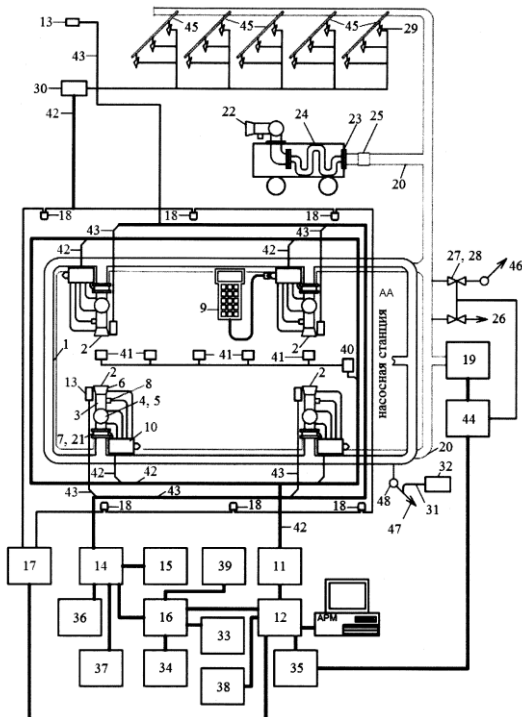
33: RU 31: 2021124355 32: 2021-08-17

54: MULTI-FUNCTIONAL ROBOTIC SYSTEM FOR CONTROLLING FIRE EXTINCTION AT INDUSTRIAL SITES

00: -

A robotic monitoring, detection and fire extinction control system comprises a pumping station, a fire main and at least two robotized fire extinguishing units connected to the fire main and comprising a nozzle with drives for vertical and horizontal aiming and a head with a drive for adjusting the spray angle of the jet. Mounted at an inlet upstream of the nozzle is a butterfly valve with a drive, and mounted at the outlet of the nozzle, upstream of the head, are a

pressure sensor and a portable control console that are connected to a switching unit at the inlet and, via a network controller, to a control device at the outlet. Mounted on the nozzle is a fire detection and video surveillance device that is connected to a signal processing device that is connected to a video monitor device and to a process control system that are connected to a control device that is connected via a fire alarm control device to fire alarms. A foam generating unit is connected to the robotized fire extinguishing units by a foam conduit; additional reserve pipes, connected to the robotized fire extinguishing units, are provided for supplying water and compressed air foam; and an additional controllable butterfly valve, mounted on the foam conduit, is provided and has a drive connected to the switching unit. The head is designed to be capable of supplying water and compressed air foam at a controlled concentration and rate.

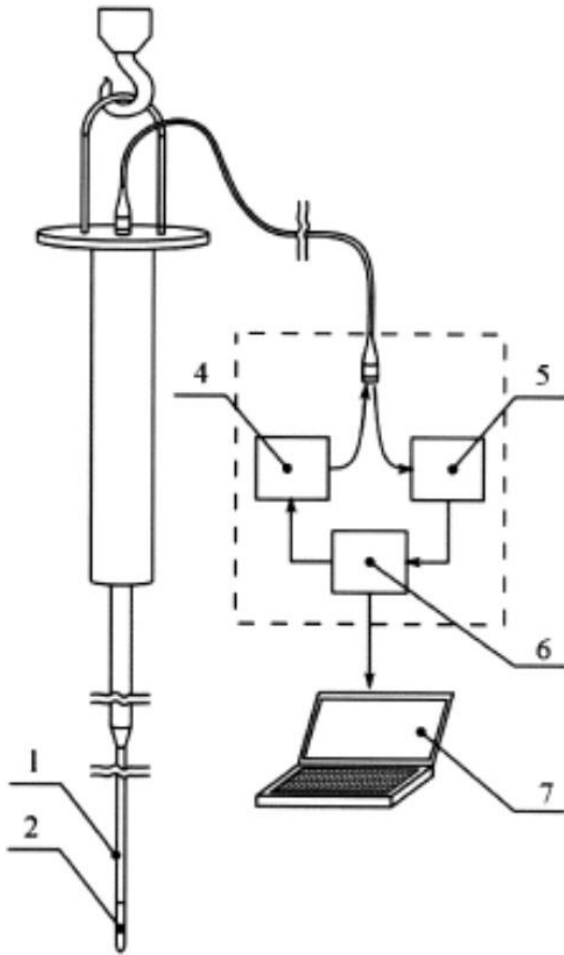


AA Pumping station

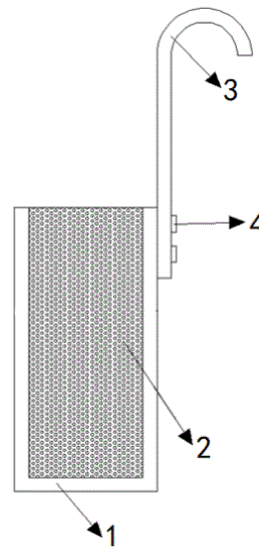
"N.A. DOLLEZHAL RESEARCH AND DEVELOPMENT INSTITUTE OF POWER ENGINEERING", SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, OBSHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "PROLOG"
 72: FEDOROV, Artyom Nikolaevich, PODOSINNIKOV, Alexandr Alexandrovich, STEPANOV, Maksim Alekseevich
 33: RU 31: 2021128445 32: 2021-09-29
54: METHOD FOR MEASURING BENDING OF AN EXTENDED VERTICALLY DIRECTED CHANNEL
 00: -

The invention relates to measuring technology and can be used in the implementation of a method of measuring bending of elongate vertically oriented channels. A fibre-optic sensor fastened to the end of a flexible hollow carrier rod is placed inside a channel. A light signal is fed along fibre-optic lines connected to the sensor, and reflected light signals are recorded. The fibre-optic sensor is equipped with a gravity pendulum. The flexible hollow carrier rod with the fibre-optic sensor is passed along the channel and a photoreceiver and a computer are used to register the shift of an interference pattern of a reflected light signal in a gas gap between the upper end face of the gravity pendulum and the lower end face of fibre-optic lines connected to the photoreceiver and fastened to the sensor, said gas gap varying during the passage of the fibre-optic sensor as a result of the angular motion of the gravity pendulum away from the axis of the bowed channel. On the basis of the registered shifts, profilograms of the variations of the gas gap are recorded for each fibre-optic line, and on the basis of the obtained gas gap profilograms, the magnitude and direction of bending of the channel from the vertical axis are calculated, thereby simplifying the process of measuring bending of a vertically oriented channel while at the same time maintaining measuring accuracy.

21: 2024/00605. 22: 2024/01/17. 43: 2024/08/08
 51: G01B; G21C
 71: JOINT STOCK COMPANY
 "ROSENERGOATOM", JOINT STOCK COMPANY



so that no large particle matters in the slurry enter the steel frame; and the hooks are connected with the steel frame, and the hooks are hung on a connecting frame above the slurry preparation pool. According to the present invention, the filter device can be directly hung on the connecting frame above the slurry preparation pool through hooks, and large-particle solids in the slurry can be filtered by the filter screen plates, so that the large-particle solids are prevented from entering the grouting pipe to affect a grouting effect; meanwhile, the filter screen plates are convenient to disassemble, so that the filter screen plates with different mesh numbers can be replaced for different grouting purposes, and can be quickly cleaned to avoid a failure; and in addition, mounting positions of the hooks and the steel frame can be adjusted, so that hanging depths are convenient to adjust.



21: 2024/00610. 22: 2024/01/18. 43: 2024/07/19
 51: F04B
 71: CHINA RAILWAY NO.5 ENGINEERING GROUP CO., LTD., Central South University of Forestry and Technology
 72: Zhenxing CAO, Dongping ZHU, Zhenrong XIA, Cong ZHANG
 33: CN 31: 2024200098526 32: 2024-01-03
54: FILTER DEVICE FOR PREVENTING BLOCKAGE OF GROUTING PUMP FOR SLURRY PREPARATION POOL

00: -
 The present invention provides a filter device for preventing blockage of a grouting pump for a slurry preparation pool. The filter device includes a steel frame, filter screen plates and hooks, where the steel frame is provided with a structure for fixing a grouting pipe, and an end of the grouting pipe is located inside the steel frame; the filter screen plates are detachably connected with the steel frame, and the filter screen plates are used for filtering a slurry,

21: 2024/00617. 22: 2024/01/18. 43: 2024/07/19
 51: C09J
 71: HONG WEI WOODEN PRODUCTS (RENHUA) CO., LTD
 72: JIANPING XIANG, ZHIMING LIU, HUANG XU, HAIMING MO, AJI JIANG, LESHAO LIN
 33: CN 31: 202311225442.1 32: 2023-09-21
54: PREPARATION OF GLUE FOR PRODUCING ALL BAMBOO PARTICLEBOARD

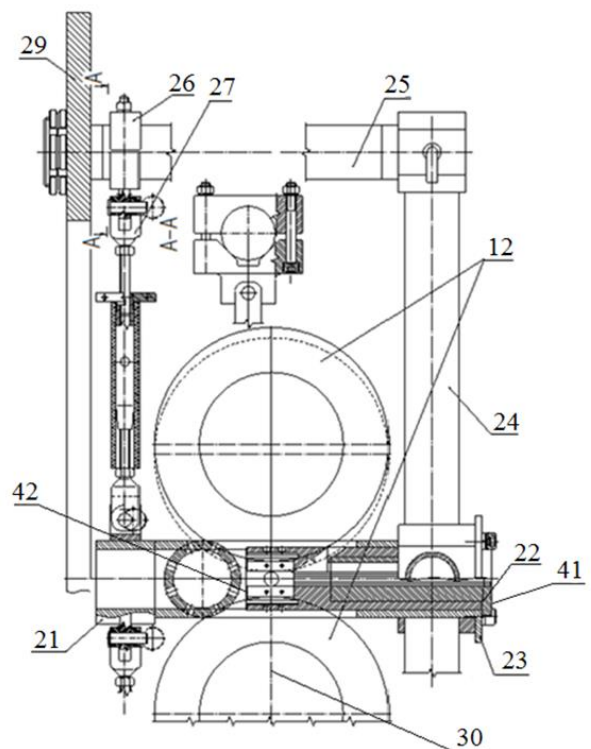
00: -
 The present invention relates to a method for preparation glue for producing all bamboo particleboard, which includes the following steps: S1, taking 45-50 percent formaldehyde, adjusting a pH

value to 8.5-8.8, adding urea and melamine for the first time, adjusting the pH value to be more than 8.0, heating to 90-91C, keeping the temperature for 30min, then adjusting the pH value to 5.5-5.6, and reacting for 60-70min; S2, adjusting the pH value to 8.3-8.6 when a viscosity of a product in step S1 is detected to 15 plus/minus 0.3s, adding the urea for the second time, adjusting the pH value to 8.0-8.3, keeping the temperature for 20min; S3, reducing the temperature to 60-70C, adding an auxiliary agent, adding the urea for the third time, reducing the temperature to 40-45C, adding a mildew inhibitor, adjusting the pH value to 9.0-9.5 after mixing evenly, and then putting a glue to prepare the glue for producing all bamboo particleboard. The present invention ensures an environmental performance of the glue, a formaldehyde emission of a produced particleboard board is less than or equal to 4mg/100g, achieving an E0 level effect and improving the environmental performance of the artificial board product.

21: 2024/00626. 22: 2024/01/18. 43: 2024/07/19
51: B21C; B23K; F28F
71: JOINT-STOCK COMPANY 'MECHANICAL ENGINEERING PLANT "ZIO-PODOLSK", CHASTNOE UCHREZHDENIE PO OBESPECHENIYU NAUCHNOGO RAZVITIYA ATOMNOJ OTRASLI "NAUKA I INNOVACII"
72: LEKSIKOV, Valentin Ivanovich, MOROZOV, Aleksandr Ivanovich, TEREHOV, Viktor Michailovich
33: RU 31: 2021138968 32: 2021-12-27
54: AUTOMATIC WELDING MACHINE FOR LONGITUDINAL FINNING OF PIPES
00: -

An automatic welding machine for the manufacture of heat exchangers is used in various branches of power engineering for longitudinally finned pipes, including those of small diameter with closely spaced "narrow" trough-shaped ribs. The welding machine contains clamping units placed symmetrically around the circumference with pushing pneumatic cylinders, a compression drive and pressing and supplying welding current contact welding rollers, a die positioning the ribs with respect to the pipe and clamping units, with windows for the passage of rollers and a mechanism for positioning the die. The clamping units have a mechanism for adjusting the position of the longitudinal axis of the compression drive of the roller, consisting of a

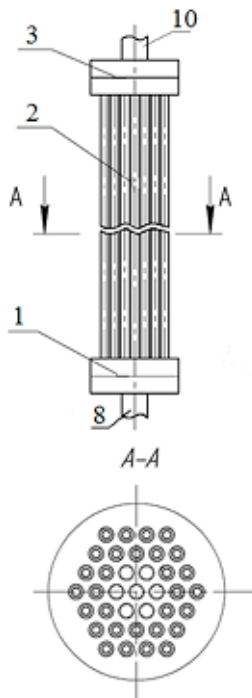
compression drive guide, two regulators, a compression drive housing, a ball joint assembly, an adjusting lock nut, a fixing screw and two bronze crackers, and a mechanism for adjusting the contact welding roller, consisting of a roller, bushings, nuts, cheeks, and threaded elements. The die contains a mechanism for positioning the rear part of the die with respect to the axis of the contact welding roller, containing a body of the die, a die body centralizer, a radial stand, an axial stand, a turnbuckle, a turnbuckle centralizer, a roller, a plate, the number of clamping units corresponds to eight simultaneously welded ribs.



21: 2024/00642. 22: 2024/01/18. 43: 2024/07/23
51: F28D
71: JOINT-STOCK COMPANY 'MECHANICAL ENGINEERING PLANT "ZIO-PODOLSK", CHASTNOE UCHREZHDENIE PO OBESPECHENIYU NAUCHNOGO RAZVITIYA ATOMNOJ OTRASLI "NAUKA I INNOVACII"
72: NAYDEN, Ivan Viktorovich
33: RU 31: 2021138970 32: 2021-12-27
54: HEAT-TRANSFER MODULE
00: -

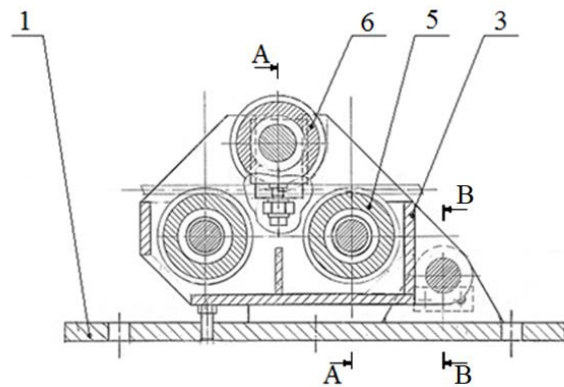
The invention is used in the field of thermal power engineering, in particular in low and high pressure

heaters, in superheaters and other heat exchangers, and can also be used in other industries that use heat exchange equipment. The heat exchange module is made in the form of a tube bundle with medium inlet and outlet pipes, consisting of heat exchange elements of the pipe-in-pipe type and including a block of heated (cooled) medium consisting of the inner surface of the outer pipes and the outer surface of the inner pipes with an annular gap between them, a block of heated (cooled) medium consisting of the outer surface of the outer pipes and inner surfaces of inner pipes, tube sheets of the inlet and outlet chambers in which the outer pipes are fixed, the bottoms of the inlet and outlet chambers in which the inner pipes are fixed. The supply and discharge of the medium into the annular gap can be carried out both perpendicular and coaxially to the heat exchange pipes. The number of heat exchange elements is selected from 2 to 3000. The modules are interconnected in sections from 2 to 1000 to obtain the necessary heat exchange surface. The layout of the modules can be multi-pass.



CHASTNOE UCHREZHDENIE PO
 OBESPECHENIYU NAUCHNOGO RAZVITIYA
 ATOMNOJ OTRASLI "NAUKA I INNOVACII"
 72: TEREHOV, Viktor Michailovich, BOROVKOV,
 Yuri Konstantinovich, RYABOSHAPKA, Alexey
 Nikolaevich
 33: RU 31: 2021138969 32: 2021-12-27
**54: TENSIONING DEVICE FOR WINDING METAL
 PIPES INTO A COIL**

00: -
 The invention relates to the field of mechanical engineering, in particular, to devices for mechanical processing of pipes by pressure, and can be used when winding heat exchange pipes for heat exchangers into a coil with specified parameters (winding diameter and pitch). The tensioning device for winding metal pipes into a coil contains an upper replaceable roller and two lower replaceable rollers mounted with the possibility of rotation. The upper roller is mounted with the possibility of vertical movement. The device is equipped with a caliper with the possibility of longitudinal movement, a housing mounted on the caliper with the possibility of rotation around the axis and fixation. The housing contains a control unit for longitudinal movement of the caliper depending on the angular movement of the spindle shaft at a given step of winding metal pipes. The upper and lower rollers are mounted in conical bearings in the housing and are made multi-pass with a distance L between the centers of the passes, which sets the winding density of the coil. The upper roller is installed with the possibility of vertical movement by means of sliders and adjusting screws. The distance between the centers of the roller grooves is determined by the formula $L=D+T$, where D is the outer diameter of the wound pipe, T is the gap between the pipes.



21: 2024/00643. 22: 2024/01/18. 43: 2024/08/08
 51: B21D
 71: JOINT-STOCK COMPANY 'MECHANICAL
 ENGINEERING PLANT "ZIO-PODOLSK",

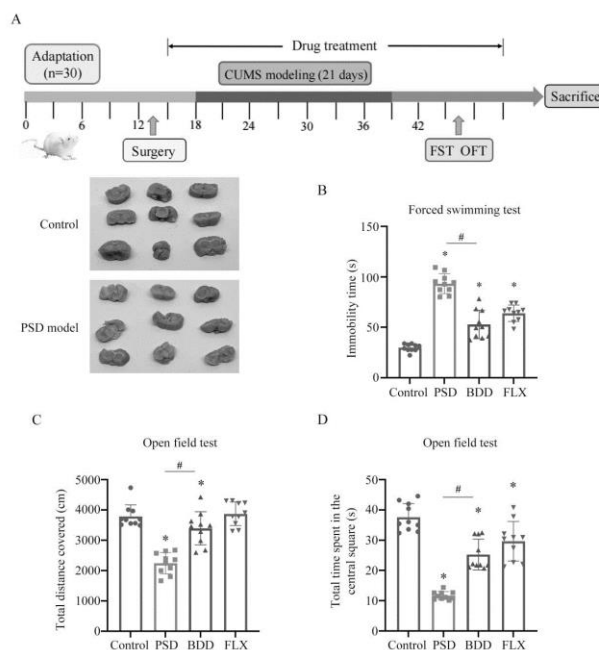
21: 2024/00644. 22: 2024/01/18. 43: 2024/07/19
 51: C01B; C04B
 71: JOINT STOCK COMPANY
 "ROSENERGOATOM", "LUCH RESEARCH AND
 PRODUCTION ASSOCIATION, RESEARCH AND
 DEVELOPMENT INSTITUTE, JOINTSTOCK
 COMPANY ("LUCH JSC"), SCIENCE AND
 INNOVATIONS - NUCLEAR INDUSTRY
 SCIENTIFIC DEVELOPMENT, PRIVATE
 ENTERPRISE
 72: LYSENKO, Evgeniy Konstantinovich, FEDIN,
 Oleg Igorevich, MARUSHKIN, Dmitriy Valeryevich,
 CHERKASOV, Alexandr Sergeevich, CHUMAK,
 Lesya Grigoryevna
 33: RU 31: 2021130743 32: 2021-10-21
**54: METHOD OF PRODUCING CARBON-
 GRAPHITE PRODUCTS**
 00: -

The invention relates to the production of carbon items, namely to a technology of their processing during firing, and can be used in various branches of technology for the manufacture of electrodes, crucibles, heaters, as well as materials for nuclear engineering, for example, uranium-graphite fuel elements. In the method for producing carbon-graphite items, comprising placing workpieces in a container with a fill and firing them in an air atmosphere, according to the invention, the fill of the container is urea which is loaded in an amount of 5-10 wt.% of the workpieces. The container is placed in a closed vessel with limited access of air which is filled with a carbon fill also containing urea in an amount of 5-10 wt.% of the fill. The object of the invention and the technical result achieved by using the invention is simplification of the firing process and improvement of the quality of carbon-graphite items, especially small-sized ones, due to the exclusion of their oxidation and coking up of the fill.

21: 2024/00665. 22: 2024/01/19. 43: 2024/07/22
 51: A61K
 71: Chongqing Academy of Chinese Materia Medica
 72: HUANG Sixing, QIANG Zhe, LUO Jinping,
 WANG Min, ZHANG Ping, WU Silan, LUO Chaoli,
 JIANG Xue
**54: ANTI-DEPRESSION PHARMACEUTICAL
 COMPOSITION AND APPLICATION THEREOF**
 00: -

The invention provides an anti-depression pharmaceutical composition, which relates to the technical field of medicine and comprises the following components: lily polysaccharide and

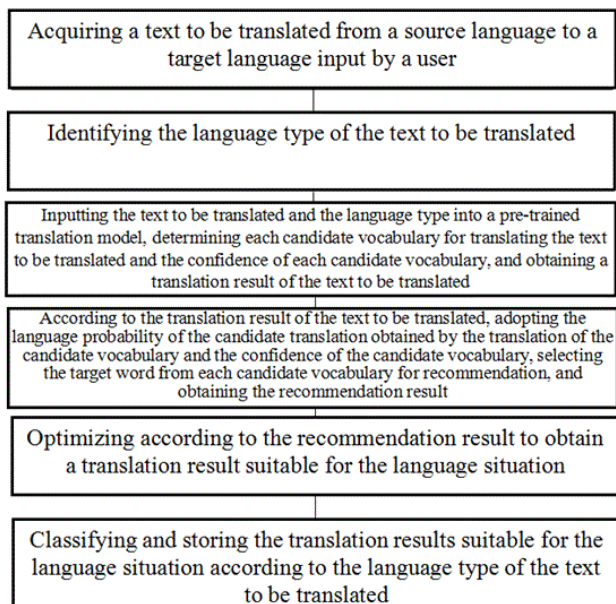
rehmapicroside; the mass ratio of lily polysaccharide to rehmapicroside is 4.5-6:0.5-1.5.



21: 2024/00666. 22: 2024/01/19. 43: 2024/07/22
 51: G06F
 71: Henan University of Urban Construction
 72: DAI Bojun, ZHANG Xiangyu, JIA Junli, ZHAO
 Junwei, GUO Lulu, RUAN Xiaoxue
**54: ONLINE TRANSLATION METHOD AND
 SYSTEM BASED ON ARTIFICIAL INTELLIGENCE**
 00: -

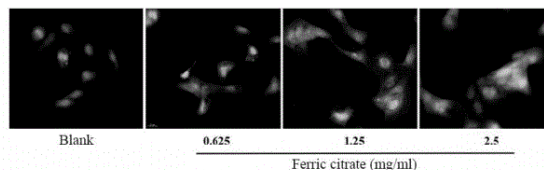
The invention discloses an online translation method and system based on artificial intelligence, which includes following steps: acquiring a text to be translated from a source language to a target language input by a user; identifying the language type of the text to be translated and sending it to the translation module; inputting a text to be translated and a language type into a pre-trained translation model, determining each candidate vocabulary and confidence of each candidate vocabulary for translating the text to be translated, and obtaining a translation result of the text to be translated; according to the translation result of the text to be translated, the language probability of the candidate translation obtained by the translation of the candidate vocabulary and the confidence of the candidate vocabulary are adopted, and the target words are selected from each candidate vocabulary for recommendation to obtain the recommendation result; optimizing according to the recommended

results to obtain translation results suitable for language situations; classifying and storing the translation results suitable for the language situation according to the language type of the text to be translated. The invention improves the accuracy of online translation.



21: 2024/00668. 22: 2024/01/19. 43: 2024/07/22
 51: C12N
 71: Anhui Medical College
 72: CHEN, Jin, YANG, Kai, PAN, Ying, TIAN, Pingping, LIU, Jiachen, CHEN, Zizheng
54: LIVER FIBROSIS CELL MODEL AND CONSTRUCTION METHOD AND APPLICATION THEREOF
 00: -
 The present invention provides a liver fibrosis cell model and a construction method and application thereof, and belongs to the technical field of construction of a cell model. The method includes the following steps: culturing hepatic stellate cells LX-2 in a high glucose Dulbecco's modified Eagle's medium (DMEM) containing fetal bovine serum; adding a ferric citrate solution after medium replacement to make a concentration of ferric citrate be 0.625-2.5 mg/ml; and continuing to culture to obtain the liver fibrosis cell model. The liver fibrosis cell model constructed by the present invention can be suitable for researching a mechanism of iron deposition promoting development of the liver fibrosis and screening a drug for treating liver fibrosis or the liver cirrhosis, which lays a foundation

for clinical treatment of the liver fibrosis and the liver cirrhosis.



21: 2024/00669. 22: 2024/01/19. 43: 2024/07/22
 51: E02B
 71: East China University of Technology
 72: Li Mingdong, Huang Lihua, Chen Jun, Guo Jianglong, Zhu Yating, Cui Meng, Ouyang Tianyu
 33: CN 31: 202311526066X 32: 2023-11-16
54: AN ENVIRONMENTALLY FRIENDLY HYDRAULIC DAM DEVICE
 00: -
 This invention relates to the field of hydraulic dam technology and discloses an environmentally friendly hydraulic dam device. The hydraulic dam device is composed of a bottom support component and a dam body component. The bottom support component is connected to the bottom support dam body in the dam body component through a first hydraulic push rod, and the bottom support component is connected to the top support dam body in the dam body component through a second hydraulic push rod. This invention, through the coordinated combination of the bottom support dam body and the top support dam body in the dam body component, can achieve dual hydraulic support for the hydraulic dam under the graded support of the two sets of hydraulic push rods. This enhances the stability of the hydraulic dam and, during spillway operations, flattens the top support dam body by folding it and then folding the bottom support dam body again. This allows the water to flow layer by layer from the upper layer to the lower layer, ensuring that the water always flows out from the upper layer. This replaces the traditional uniform spillway flow in both upper and lower layers, thereby reducing the impact of spillway water pressure on the hydraulic dam.

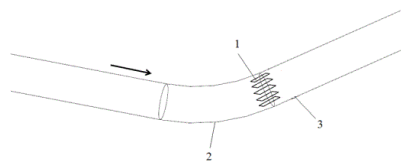
21: 2024/00670. 22: 2024/01/19. 43: 2024/08/01
 51: F01M
 71: Changjiang River Scientific Research Institute, Changjiang Water Resources Commission

72: DONG, Jing, CHEN, Xiaojiang, DAI, Xiwu, REN, Kunjie, DING, Zhiyu, HAN, Songlin, JIANG, Zhibing, YANG, Wei, LI, Xuehai, CHENG, Zibing, LU, Hong
33: CN 31: 202311614691X 32: 2023-11-28

54: FLOW GUIDE STRUCTURE

00: -

Disclosed in the present invention is a flow guide structure. The flow guide structure includes a plurality of flow guide plates arranged side by side in sequence, where an upper end and a lower end of each of the flow guide plates are configured to be mounted at a top and a bottom of a tunnel respectively. Starting sections of all the flow guide plates are positioned inside a planar turning section, tail end sections of all the flow guide plates are positioned inside a straight section downstream of the planar turning section, and a mounting angle of at least one flow guide plate deviates to an inner side of the planar turning section so as to guide the water flow, close to an outer side of the planar turning section, inside the tunnel to a center and an inner side of the tunnel.



21: 2024/00672. 22: 2024/01/19. 43: 2024/08/02

51: H01L; H01M

71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY

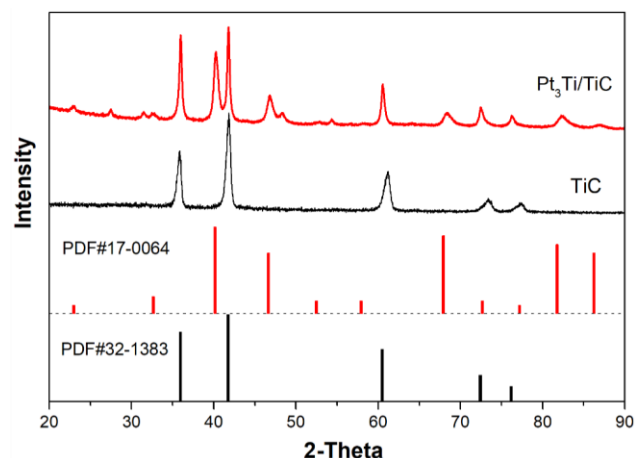
72: ZHANG, Bentian, ZHOU Xinyu, SHAN Mengtao, ZHANG Lei, YANG Han, ZHANG Lijie, BAI Lei, LI Zirong

54: A METHOD AND APPLICATION OF IN-SITU PREPARATION OF TiC-LOADED Pt₃Ti INTERMETALLIC COMPOUNDS IN A LIQUID PHASE

00: -

The present invention discloses a method for in-situ preparation of TiC-loaded Pt₃Ti intermetallic compound in a liquid phase. The method involves uniformly dispersing the platinum precursor and salt (KCl, NaCl, LiCl, etc.) in TiC powder using a rotary evaporator, followed by heat treatment under a reducing atmosphere. The resulting product is then washed to remove the salt (KCl, NaCl, LiCl, etc.), thereby forming an ordered structure of Pt₃Ti intermetallic compound on the surface of TiC, which

serves as an electrocatalytic material. The introduction of salt (KCl, NaCl, LiCl, etc.) provides a liquid phase environment in both partially molten salt and fully molten salt conditions, facilitating atomic diffusion and effectively reducing the formation temperature of intermetallic compounds. Compared to traditional physically mixed loading methods, the Pt₃Ti/TiC material prepared by in-situ synthesis exhibits strong interactions between Pt₃Ti and the TiC support, enhancing stability. Additionally, the incorporation of Ti atoms from the support into the Pt lattice regulates the catalytic activity of Pt. The prepared Pt₃Ti/TiC catalyst shows excellent catalytic activity and stability for the hydrogen evolution reaction at the electrolysis water cathode.



21: 2024/00673. 22: 2024/01/19. 43: 2024/08/02

51: A41D; E04D

71: GUANGDONG MEIZHOU QUALITY & METROLOGY SUPERVISION AND TESTING INSTITUTION

72: XIE, Zhengfen, TANG, Yongxue, CHEN, Jiabin, CHEN, Weike

54: A WATERPROOF AND HEAT-RESISTANT TILE ADHESIVE

00: -

This invention discloses a waterproof and heat-resistant ceramic tile adhesive, which relates to the field of special adhesive technology, and the preparation method is as follows: Component A: preparing acrylic acid emulsion, film-forming agent, defoaming agent, and water; Component B: preparing cement, alumina powder, glass fiber, quartz, melamine, potassium hydroxide, hydroxypropyl methyl cellulose ether, and hydroxyethyl methyl cellulose ether; Component C:

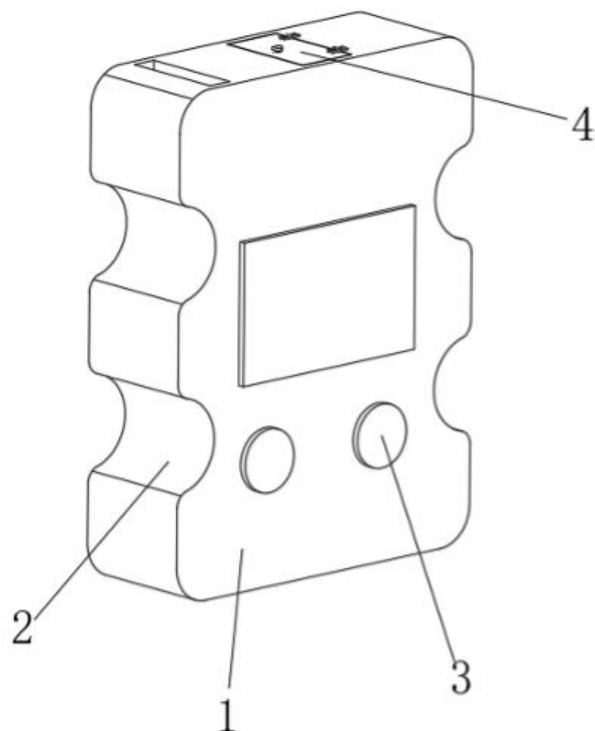
preparing nano-modified additives by interacting carbon nanotubes with amine phenol and 1,2-bis (triethoxysilyl) ethane, mixing the latex, powder, and Component C in a mass ratio, stirring until evenly mixed, and obtaining the tile adhesive. This application innovatively introduces nano-modified additives and combines them with carbon nanotubes for the first time in the tile adhesive. After activation, the carbon nanotubes are added with amine phenol and 1,2-bis (triethoxysilyl) ethane to obtain modified carbon nanotubes, which, when mixed with traditional cement-based materials, exhibit higher adhesive strength.



body; both ends of the body are symmetrically and uniformly provided with arc grooves, the upper end of the body is provided with a collection groove, the right end of the collection groove is provided with a sealing door, the sealing door is hinged to the body, the lower end of the sealing door is provided with a mounting groove on the body, the mounting groove is provided with a pushing mechanism, the lower end of the body is provided with a rectangular slot, the rectangular slot is provided with a rotating mechanism, a fixing mechanism is symmetrically provided on both sides of the rotating mechanism, and a test port is opened at the right end of the rectangular slot; the pushing mechanism includes a telescopic rod, a top plate and a roller, a telescopic rod is symmetrically mounted on the inner wall of the mounting slot, the telescopic rod is fixedly mounted on the top plate, and the telescopic rod is fitted with a telescopic spring, and a roller is rotatably provided on the inner wall of the mounting slot, and a drive motor is mounted at the outer end of the body, and by the setup of the roller, the roller carries the test paper and starts to draw it out from the inside of the body, which can avoid more drawing or unable to draw it out, and it is more convenient to use.

21: 2024/00674. 22: 2024/01/19. 43: 2024/08/02
 51: G01N
 71: THE PEOPLE'S HOSPITAL OF HANSHAN COUNTY
 72: CHEN, Tian
54: A PORTABLE BLOOD GLUCOSE DETECTOR FOR ENDOCRINOLOGY DEPARTMENT
 00: -

The present invention discloses a portable blood glucose tester for endocrinology, relates to the technical field of medical devices, and includes a



21: 2024/00702. 22: 2024/01/19. 43: 2024/07/22
51: H01M

71: SUZHOU RONGKE POWER CO., LTD.
72: GAO, Xinliang, WANG, Shiyu, LI, Siyi, JIANG,
Shan, SONG, Mingming

33: CN 31: 202211446542.2 32: 2022-11-18

54: ELECTROLYTE SOLUTIONS AND ALL-VANADIUM REDOX FLOW BATTERIES

00: -

An electrolyte solution and an all-vanadium redox flow battery are disclosed. The electrolyte solution includes: a positive electrode electrolyte solution and a negative electrode electrolyte solution, the positive electrode electrolyte solution and the negative electrode electrolyte solution include chloride ions, sulfate ions and vanadium ions; both the positive electrode electrolyte solution and the negative electrode electrolyte solution satisfy: $2.9 \leq [c(\text{Cl}^-) + c(\text{SO}_4^{2-})] / c(\text{V}^{n+}) \leq 3.6$; the $c(\text{Cl}^-)$ represents a concentration of the chloride ions, the $c(\text{SO}_4^{2-})$ represents a concentration of the sulfate ions, and the $c(\text{V}^{n+})$ represents a concentration of the vanadium ions. When Cl^- , SO_4^{2-} and V^{n+} in the

electrolyte solution meet the appropriate concentration relationship, the Cl_2 production rate can be greatly reduced, thereby reducing the corrosion of battery materials. A small amount of Cl_2 evolved can compensate for the oxidation of the battery electrode carbon felt, and protect the electrode carbon felt and reduce the risk level of chlorine-containing electrolytes operation environmental.



21: 2024/00703. 22: 2024/01/19. 43: 2024/07/22
51: C04B; G21C

71: JOINT STOCK COMPANY

"ROSENERGOATOM", "LUCH RESEARCH AND PRODUCTION ASSOCIATION, RESEARCH AND DEVELOPMENT INSTITUTE, JOINTSTOCK COMPANY ("LUCH JSC"), SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE

72: BAKHIN, Andrey Nikolaevich, REPNIKOV, Vladimir Mikhaylovich, VISHNEVSKIY, Vjacheslav Yur'evich, KOTOV, Alexander Yur'evich, KISELEV, Dmitry Sergeevich, BESPECHALOV, Boris Nikolaevich

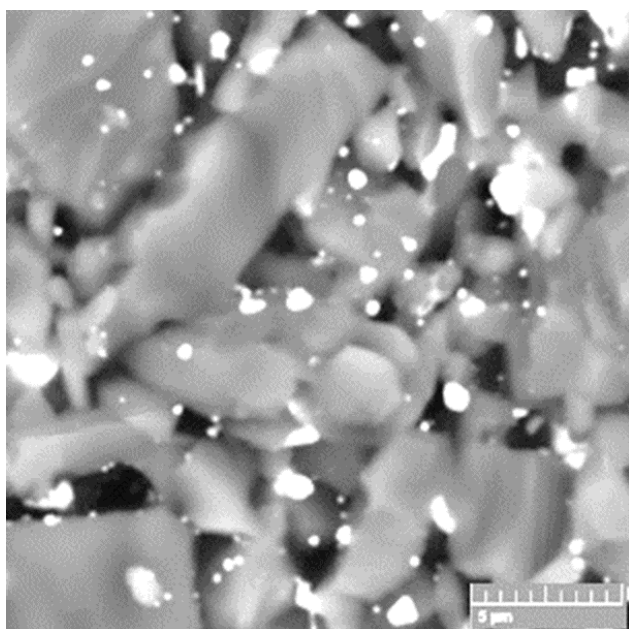
33: RU 31: 2021136719 32: 2021-12-13

54: HIGH-TEMPERATURE DENSE COMPOSITE NUCLEAR FUEL MATERIAL AND METHOD OF ITS PRODUCTION

00: -

The group of inventions relates to a nuclear fuel material and represents a high-temperature dense composite nuclear fuel material and a method of its production. The high-temperature dense composite nuclear fuel material comprises a radiation inert

ceramic matrix in which nuclear fuel particles are distributed. The matrix is made of a powder of a silicon carbide based material. The nuclear fuel particles are particles of an oxygen-free nuclear fuel. The method of producing the high-temperature dense composite nuclear fuel material includes preparation of a mixture of nuclear fuel particles and a powder of the radiation inert ceramic matrix, molding of the mixture by pressing, and sintering of the molded mixture. The molded mixture is sintered by hot pressing. The group of inventions makes it possible to produce the high-temperature dense composite nuclear fuel material which, after annealing in vacuum at $0.63T_{\text{melt}}$ for 10 hours, exhibits a loss in mass of not more than 2%.



The invention relates to measuring technique, namely to equipment for measuring bending of extended vertically directed channels, including nuclear reactor fuel channels of the high-power channel-type reactor (HPCR). The technical result is to simplify the manufacture of the device while maintaining the accuracy of measuring bending of the channel, including a nuclear reactor fuel channel. The device contains a flexible hollow carrier rod equipped with at least one fibre-optic sensor equipped with a core closed by a sealed tubular casing. The upper part of the core is made in the form of a mounting sleeve with a central cylindrical cavity. The lower part of the core is made in the form of a central cylindrical rod. Longitudinal sector cuts are made on the central rod of the core, in which ferrules with longitudinal through channels are fixed, and a gravity pendulum is placed under the lower end of the central rod of the core. Through the through channels of the ferrules, fiber-optic lines are drawn, connecting each fibre-optic sensor with a tunable laser and a photoreceiver connected to a computer. The cavity of the sealed tubular casing of the fibre-optic sensor is filled with an inert gas.

21: 2024/00704. 22: 2024/01/19. 43: 2024/07/22

51: G01B

71: JOINT STOCK COMPANY

"ROSENERGOATOM", JOINT STOCK COMPANY

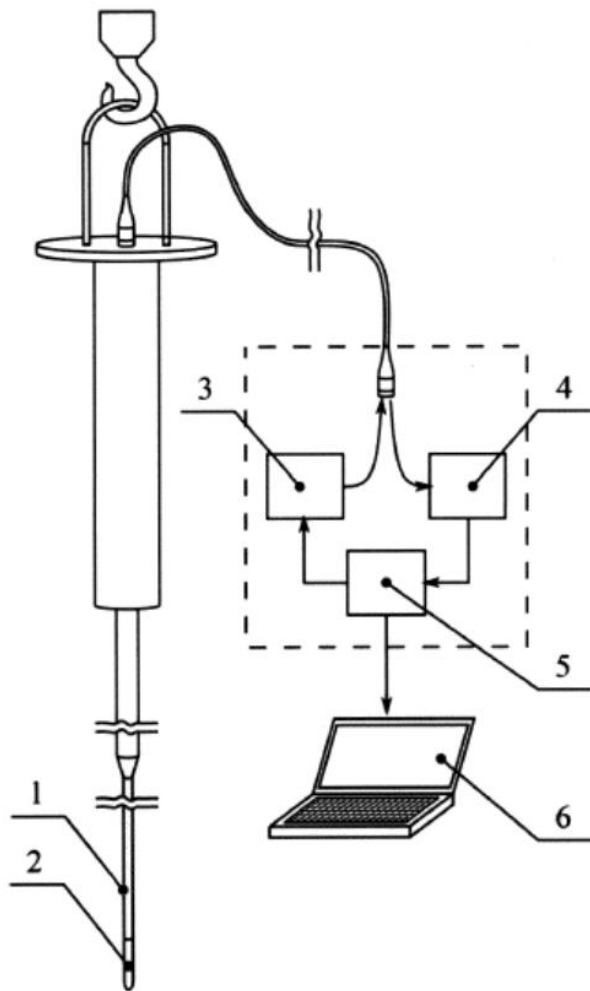
"N.A. DOLLEZHAL RESEARCH AND DEVELOPMENT INSTITUTE OF POWER ENGINEERING", SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, OBSHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "PROLOG"

72: FEDOROV, Artyom Nikolaevich, PODOSINNIKOV, Alexandr Alexandrovich, STEPANOV, Maksim Alekseevich

33: RU 31: 2021128441 32: 2021-09-29

54: DEVICE FOR MEASURING BENDING OF AN EXTENDED VERTICALLY DIRECTED CHANNEL

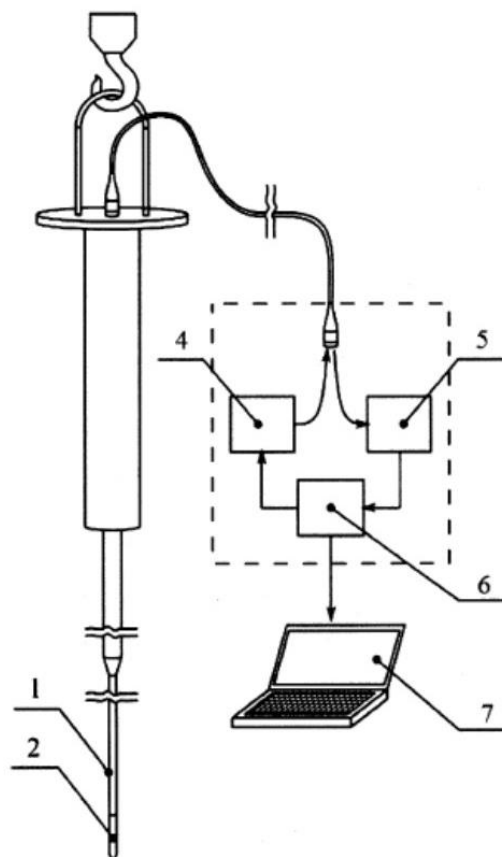
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suspended for angular motion at the lower end of the fibre-optic sensor; a flexible hollow carrier rod with the fibre-optic sensor is passed along the central tube of a fuel assembly and using a photoreceiver and a computer the shift of an interference pattern of a reflected light signal in a gas gap between the upper end face of the gravity pendulum and the lower end face of fibre-optic lines connected to the photoreceiver and fastened to the sensor is registered, said gas gap varying during the passage of the fibre-optic sensor as a result of the angular motion of the gravity pendulum away from the axis of the bowed central tube of the fuel assembly. On the basis of the registered shifts of the interference pattern of the reflected light signal, profilograms of the variations of the gas gap for each fibre-optic line of each fibre-optic sensor are recorded; and on the basis of the obtained gas gap profilograms, the magnitude and direction of bending of the central tube of the fuel assembly from the vertical axis are calculated, according to which the presence and magnitude of bending of the nuclear reactor fuel channel are determined.

21: 2024/00705. 22: 2024/01/19. 43: 2024/07/22
 51: G01B; G21C
 71: JOINT STOCK COMPANY
 "ROSENERGOATOM", JOINT STOCK COMPANY
 "N.A. DOLLEZHAL RESEARCH AND
 DEVELOPMENT INSTITUTE OF POWER
 ENGINEERING", SCIENCE AND INNOVATIONS -
 NUCLEAR INDUSTRY SCIENTIFIC
 DEVELOPMENT, PRIVATE ENTERPRISE,
 OBSHESTVO S OGRANICHENNOY
 OTVETSTVENNOST'YU "PROLOG"
 72: FEDOROV, Artyom Nikolaevich,
 PODOSINNIKOV, Alexandr Alexandrovich,
 STEPANOV, Maksim Alekseevich
 33: RU 31: 2021128446 32: 2021-09-29
**54: METHOD OF MEASURING BENDING OF A
 NUCLEAR REACTOR FUEL CHANNEL**

00: -
 Method of measuring bending of a nuclear reactor
 fuel channel. According to the method a fiber-optic
 sensor is equipped with a gravity pendulum that is



21: 2024/00717. 22: 2024/01/22. 43: 2024/07/22
51: B01J

71: Pingquan Oxygen Health Technology Co., Ltd.

72: WANG, Yanjun, ZHANG, Xinyuan, TIAN, Rui, ZHU, Bolang, YANG, Ziyong

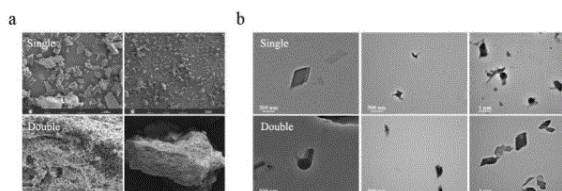
33: CN 31: 2023117675022 32: 2023-12-21

54: SUSTAINED-RELEASE MICROCAPSULE OF PINE NEEDLE VOLATILE OIL AND PREPARATION METHOD THEREOF

00: -

Disclosed are a sustained-release microcapsule of pine needle volatile oil and a preparation method thereof. The method includes: dissolving beta-cyclodextrin in distilled water by heating and stirring, and cooling to a specified temperature after the solution is clear; slowly adding pine needle volatile oil into the beta-cyclodextrin solution, stirring at a specified temperature, and precipitating the same in a refrigerator under refrigeration overnight; performing vacuum filtration, washing, and freeze-drying to obtain a single-layer microcapsule; dissolving chitosan quaternary ammonium salt in 1% acetic acid solution and stirring well to make the same a clear chitosan quaternary ammonium salt

solution; and mixing the single-layer microcapsule solution with the chitosan quaternary ammonium salt solution, performing ultrasound to emulsify the same uniformly, then shaking at a constant temperature, centrifuging, filtering, and washing, adding a sodium alginate solution equivalent to the chitosan quaternary ammonium salt, and repeating the above steps to obtain a double-layer microcapsule.



21: 2024/00718. 22: 2024/01/22. 43: 2024/07/22
51: A61P

71: Institute of Biological Resources, Jiangxi Academy of Sciences

72: ZHANG, Guohua, WANG, Dongsheng, SHENG, Ping, ZHANG, Zhihong, HUANG, Jiangli, MAO, Chunxia

54: APPLICATION OF CAMPHOR TREE EXTRACT TO INHIBITION OF ACTIVITY OF XANTHINE OXIDASE AND TYROSINASE

00: -

The present invention provides the application of a camphor tree extract in the inhibition of activity of xanthine oxidase and tyrosinase, and belongs to the technical field of medicines. Based on a fact that a camphor tree extract, a camphor tree extract after alkaline digestion treatment and a camphor tree extract after gastrointestinal digestion all have a good effect of inhibiting activity of the xanthine oxidase and the tyrosinase, the present invention provides the application of a camphor tree extract to prevention and/or treatment of diseases caused by activity of the xanthine oxidase and the tyrosinase, including the application of medicines for treating hyperuricemia, gout, freckles, chloasma, striae gravidarum, senile plaques or melanoma.

21: 2024/00719. 22: 2024/01/22. 43: 2024/07/22
51: A61P

71: Institute of Biological Resources, Jiangxi Academy of Sciences

72: ZHANG, Guohua, SHENG, Ping, WANG, Dongsheng, ZHANG, Zhihong, HUANG, Jiangli, MAO, Chunxia

54: APPLICATION OF CAMPHOR TREE EXTRACT IN INHIBITION OF ACTIVITY OF GLYCOSIDE HYDROLASE

00: -

The present invention provides the application of a camphor tree extract in the inhibition of activity of glycoside hydrolase, and belongs to the technical field of medicines. In the present invention, the glycoside hydrolase includes alpha-amylase and/or alpha-glucosidase. Based on a fact that a camphor tree extract, a camphor tree extract after alkaline digestion treatment, and a camphor tree extract after gastrointestinal digestion all have a good effect on inhibiting activity of the glycoside hydrolase, the present invention provides the application of a camphor tree extract in the prevention and/or treatment of diseases caused by activity of the glycoside hydrolase, including the application in medicines for treating diabetes, hyperlipemia, etc.

21: 2024/00720. 22: 2024/01/22. 43: 2024/07/22
51: B65D

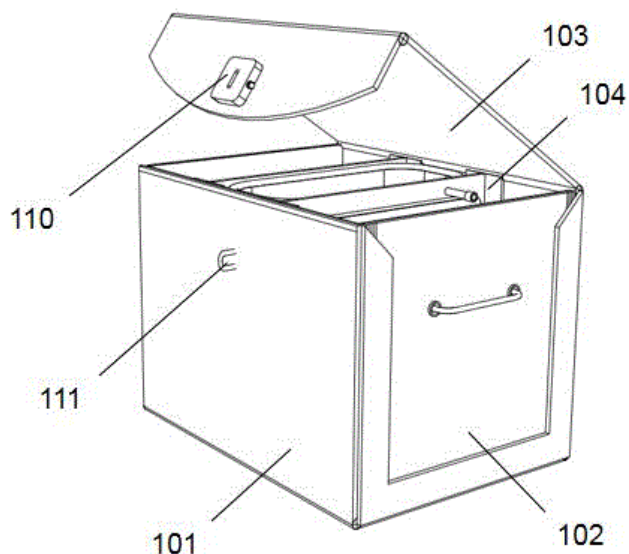
71: Henan University of Urban Construction
72: Likun Ni, Lei Deng, Na Lan, Qi You, Huiping Wang

54: A MULTI-PURPOSE E-COMMERCE LOGISTICS RECYCLABLE PACKING BOX

00: -

The invention discloses a multi-purpose e-commerce logistics recyclable packing box. The box can be recycled, including: the box, the box is provided with a thermal insulation layer, the box is provided with a side plate on both sides of the box, the upper end of the box is provided with a box cover, the box is provided with a number of partition boards, the partition board and the box wall surrounded by the area is placed in the sealing bag. The multi-purpose e-commerce logistics recycling packing box provided by the invention realizes the thermal insulation effect of the device on fresh frozen food by setting partition boards and storage bags and other components.

The fresh frozen food is packaged and put into the sealing bag. After consumers receive the goods, they will check and take out the food after confirming receipt of the goods. In addition to freezing fresh food, the device can also be used for transportation of general items.



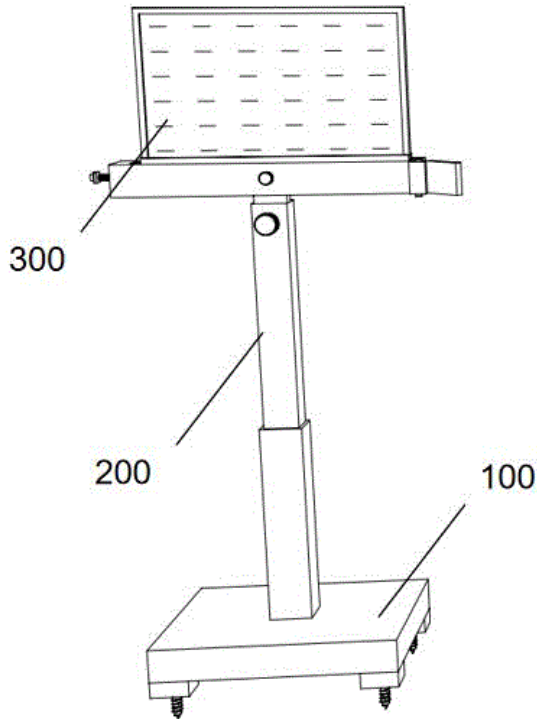
21: 2024/00721. 22: 2024/01/22. 43: 2024/07/22
51: G09F

71: Henan University of Urban Construction
72: Songtao Huo, Lei Deng, Na Lan, Xiankang Chen, Zhenkun Zhao

54: A SCENIC SPOT GUIDING PLATE CONVENIENT FOR ASSEMBLY AND DISASSEMBLY

00: -

The invention discloses a scenic spot guiding plate convenient for assembly and disassembly. It comprises: A supporting base, the upper end of the supporting base is provided with a supporting component, the supporting component comprises: a supporting rod, the upper end of the supporting rod is provided with a fixing component, the fixing component comprises: The lower end of the indicator is provided with a limiting plate, and the lower end of the limiting plate is provided with a sliding block, and the sliding block is sliding connected with the first chute provided in the connecting plate. The scenic spot guiding plate provided by the invention is convenient for folding and dismounting, and can realize rapid assembly and disassembly of the indicator on the supporting rod through the set limiting plate and connecting plate. The indicator plate is fixed on the connecting plate through the use of the set thread hole and the pre-tightening bolt, and the sliding block at the lower end of the limiting plate is coordinated with the first chute in the connecting plate, so that the guiding plate can slide along the connecting plate. It makes the installation process more flexible.



21: 2024/00722. 22: 2024/01/22. 43: 2024/07/22
51: H05K

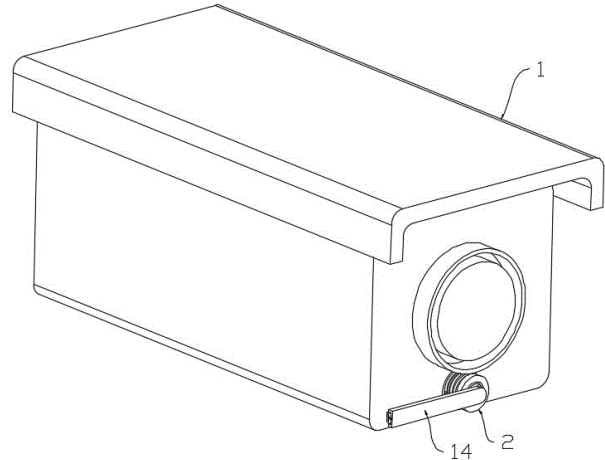
71: Jiaxing Vocational and Technical College,
Haiyan Kaida Textile New Materials Co., Ltd.
72: Xiaoyan Miao, Wentao Jin

54: A DIGITAL WORKSHOP MANAGEMENT AND MONITORING DEVICE AND SYSTEM FOR GARMENT PROCESSING

00: -

The invention relates to the technical field of monitoring equipment, in particular to a digital workshop management and monitoring device and system for garment processing, including a monitoring camera. The surface of the monitoring camera is fixed with a mounting base, the interior of the mounting base is installed with a servo motor, the outer wall of the mounting base is movable inserted with a clamping block, and the outer side of the mounting base is provided with a pushing ring. The pushing ring squeezer clamping block grips the servo motor, and the rotating shaft of the servo motor is fixed with a swinging arm, which slides towards the surface of the monitoring camera and is connected with a cleaning plate. When the servo motor drives the swinging arm to rotate, the cleaning plate cleans the occluding objects at the lens of the monitoring camera; the utility model has the following advantages: the digital workshop

management monitoring equipment and system for garment processing proposed by the invention is equipped with a servo motor in front of the monitoring camera to drive the cleaning plate to clean the occluding objects on the surface of the lens when the swinging arm rotates, so as to ensure the non-occluding monitoring of the monitoring camera, so as to ensure safe production.



21: 2024/00723. 22: 2024/01/22. 43: 2024/07/22
51: B23K

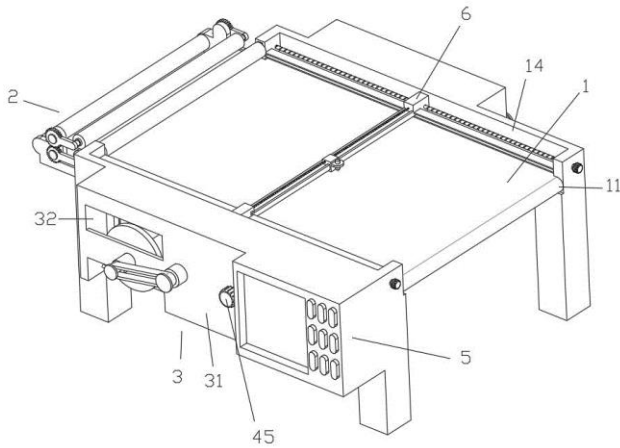
71: Jiaxing Vocational and Technical College,
Haiyan Kaida Textile New Materials Co., Ltd.
72: Xiaoyan Miao, Wentao Jin

54: A DIGITAL CONTROLLED CUTTING EQUIPMENT FOR GARMENT PROCESSING

00: -

The invention relates to the technical field of garment processing, in particular to a digital control cutting equipment for garment processing, which comprises: a processing platform, one end of which is provided with a curved feeding groove, and one end of which is far from the feeding groove is provided with a groove; The beneficial effects are: The controller controls the first motor to make the adhesive roller and the cloth on both sides stand against each other. At the same time, the second motor is started to make the winding roller rotate to roll up the cut cloth. At the same time, the unwinding roller synchronizes with the first transmission belt and the second transmission belt to transport the cloth. The outer regulating block moves in the regulating groove under the action of the limit groove and the guiding rod, so that the hot press roller moves back and forth to the two sides of the cloth for

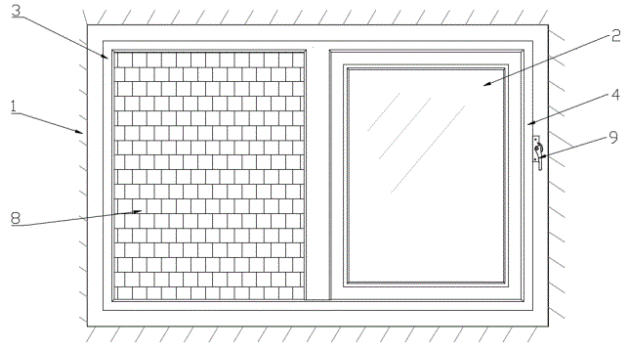
hot press dehumidifying, after the cloth is removed by the hair removal component and the leveling roller for leveling, so that the cloth on the processing platform to keep dry and clean, so that the cutting precision is higher, and the quality of the cloth after cutting is improved.



21: 2024/00724. 22: 2024/01/22. 43: 2024/07/22
 51: E04F
 71: Yi Shi
 72: Yi Shi
 33: CN 31: 202420032658X 32: 2024-01-08
54: BACKGROUND WALL DECORATIVE WINDOW

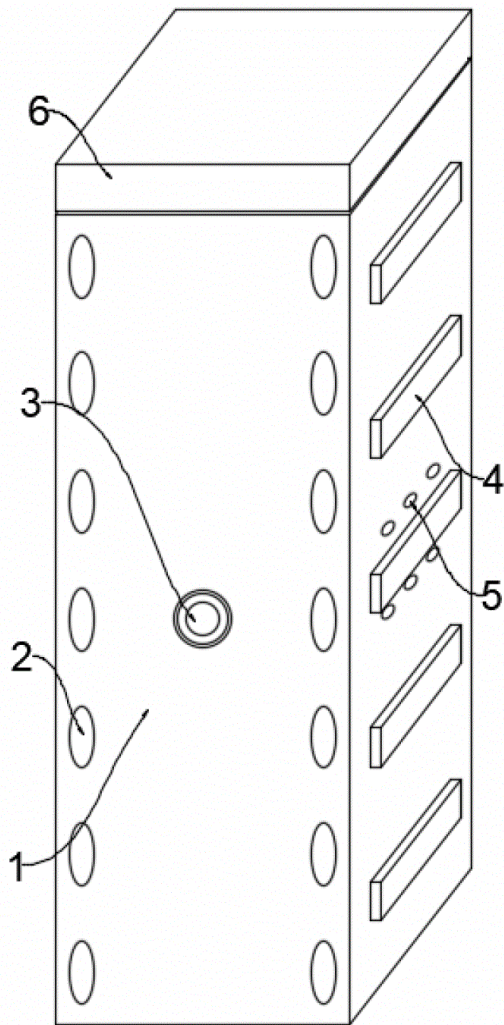
00: -
 The invention relates to the field of window technology, and in particular to a background wall decorative window, comprising a background wall and a window sash I provided on the background wall; the background wall comprises a region I and a window I; a hollow compartment is provided on the interior of the region I, a track groove I is provided on the top of the region I, and a track groove II is provided on the bottom of the region I; closed skeletons are on the side of the region I; the window sash I is provided on the window I, a track groove III is provided on the top of the window I, and a track groove III is provided on the bottom of the window I; an upper roller is provided on the top of the window sash I, and a lower roller is provided on the bottom of the window sash I; the upper roller of the window sash I is used in conjunction with the track groove III and the track groove I, and the lower roller of the window sash I is used in conjunction with the track groove II and the track groove IV. The invention not

only does not affect the decorative effect of the background wall, but also can hide the window sash and open the window to the maximum extent; when the window is opened, the window sash is pushed and pulled into the region I, which does not occupy indoor space, improves space utilization.

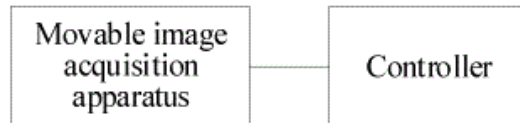


21: 2024/00725. 22: 2024/01/22. 43: 2024/07/22
 51: G01N
 71: Guangzhou College of Technology and Business
 72: Mei Xiuqin, Liu Hua, Yu Di
54: A RAPID SAMPLING STRUCTURE FOR FAST FOOD TESTING

00: -
 This invention discloses a rapid sampling structure for fast food testing, involving the technical field of auxiliary devices for food testing sampling, sensors, which are placed at the middle position on one side of the main body of the food testing sampling. Above the main body of the food testing sampling, there is an upper fixed square cover, and the lower end of the upper fixed square cover is equipped with an inner limiting lower block. Below the main body of the food testing sampling, there is an internally positioned adsorption upper fixed block. A fixed air pump is installed inside the internally positioned adsorption upper fixed block, and the fixed air pump is fixedly connected to the internally positioned adsorption upper fixed block through an air pump fixed block, with the sensor connected to the fixed air pump electrically. The rapid sampling structure for fast food testing described here allows the action of the fixed air pump to be more sensitive through the design of the sensor. The combination design of the sensor and the fixed air pump makes the action of the internally positioned piston block and the leak-proof outer rubber ring more convenient.



module configured to determine a disease category of a pig using a pig disease prediction model according to the face segmentation regions. The pig disease prediction model is obtained by training a deep learning model with a training dataset. The training dataset includes the face segmentation regions of pigs for training and corresponding disease categories. The present invention improves the efficiency in pig disease prediction.



21: 2024/00727. 22: 2024/01/22. 43: 2024/07/22
51: G06Q

71: Zaozhuang University, Guangxi Academy of Sciences

72: Guo LuXiang, Wang Lei, Huang LiGuang

33: CN 31: 202310654101X 32: 2023-06-01

54: METHOD FOR PREDICTING THE ASSOCIATION BETWEEN CIRC RNA AND MIRNA, DEVICE AND MEDIUM

00: -

The invention specifically discloses a method for predicting the association between CircRNA and miRNA, device and medium. The method comprises the following steps: a data set is constructed, and the data set comprises a plurality of CircRNAs and a plurality of miRNAs; based on the data set, biological attribute features are extracted from the word embedding of CircRNA sequence and miRNA sequence; behavior features are extracted based on isomorphic graph embedding; based on the biological attribute features and the behavioral features, the training features of the fusion vector are obtained to learn the interaction score between circRNAs and miRNAs, and to infer the potential CMAs. According to the invention, the complex relationship between circRNAs and miRNAs is successfully predicted, with the accuracy of 82.90% and the AUC of 0.9075.

21: 2024/00726. 22: 2024/01/22. 43: 2024/07/22

51: G06Q

71: Anhui Science And Technology University

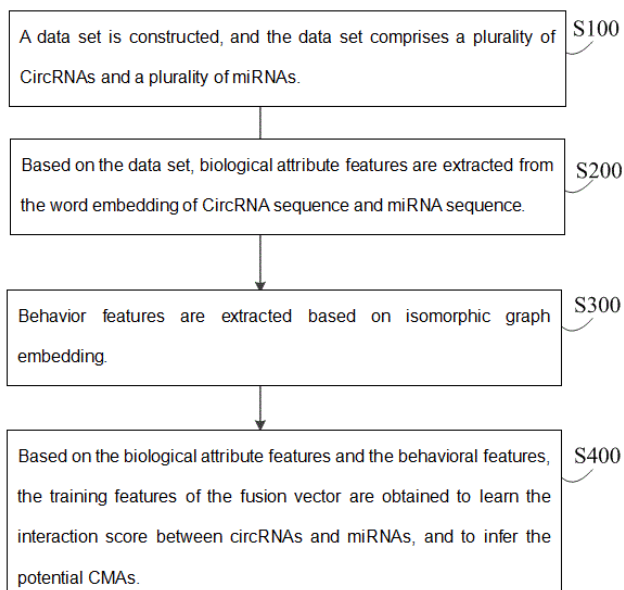
72: ZHANG, Chunyan, ZHOU, Yudie, BAI, Yunlei,

QIAO, Yinhu

54: PIG DISEASE PREDICTION SYSTEM ASSISTED BY MACHINE VISION TECHNOLOGY

00: -

Disclosed is a pig disease prediction system assisted by machine vision technology, including a movable image acquisition apparatus and a controller which are connected. The movable image acquisition apparatus moves in a pig breeding area to acquire pig images in the pig breeding area, and transmits the pig images to the controller. The controller includes a preprocessing module configured to preprocess the pig images to obtain face segmentation regions and a disease prediction



21: 2024/00729. 22: 2024/01/22. 43: 2024/07/22

51: G01N

71: Guangdong Pharmaceutical University

72: He Xin, Ji Ruifeng, Han Hongliang

33: CN 31: 202410032939X 32: 2024-01-10

54: A METHOD FOR PREPARING BLACK GINSENG WITH INCREASED GINSENOSE CONTENT

00: -

This invention belongs to the field of biopharmaceutical technology, specifically involving a method for preparing black ginseng with increased ginsenoside content. The method involves selecting fresh ginseng as the raw material, washing it with water until the surface is moisture-free, and then subjecting it to a preparation process to obtain black ginseng products. The preparation method includes the following steps: controlling the steaming temperature to be 95-105oC , steaming time for 2-4 hours, drying temperature for 55-65oC , drying time for 10-12 hours, and repeating the steaming and drying process 6-10 times. This invention achieves a ginsenoside Rg3 content level superior to existing technology by selecting the steaming frequency during ginseng preparation. The method also standardizes the temperature and time used in the preparation, ensuring a standardized production process with a shorter steaming time and high production efficiency.

21: 2024/00730. 22: 2024/01/22. 43: 2024/07/22

51: G09B

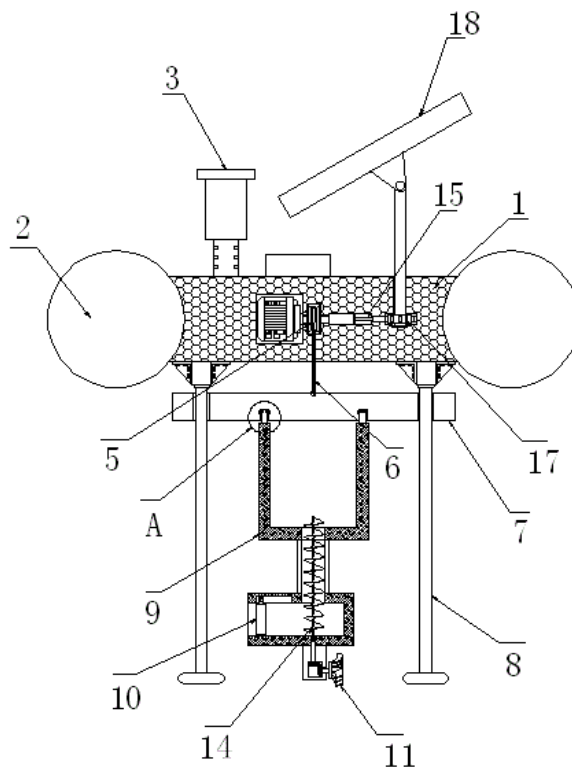
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION

72: LI Songya, LIU Biao, WANG Linpei, CHEN Changxing, MAO Yanli, KANG Haiyan, WU Junfeng

54: OCEAN MICROPLASTICS COLLECTOR

00: -

The invention relates to the technical field of marine microplastics collection, and discloses an ocean microplastics collector, which comprises a floating plate and a floating ball, wherein a warning light is fixed at the top of the floating plate, and the warning light is connected with a storage battery through a wire harness; a fixed rod is fixed at the bottom of the floating plate; a sliding plate slides on the fixed rod, and a collector body is arranged at the bottom of the sliding plate; a rotating rod rotates inside the floating plate. The collector body can be accurately adjust according to that require depth, and the accuracy of microplastics collection is improved.



21: 2024/00731. 22: 2024/01/22. 43: 2024/07/22

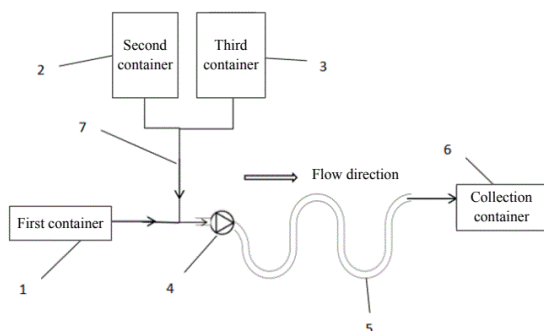
51: D01F

71: Henan University of Urban Construction

72: LIANG, Banglei, FENG, Qiao, ZHAO, Zhenxin, ZHAO, Yaqi, TAN, Yanfang, ZHANG, Kuangbin

54: CONTINUOUS PREPARATION DEVICE FOR POLYANILINE AND POLYPYRROLE COMPOSITE NANOFIBER AND METHOD FOR PREPARING POLYANILINE AND POLYPYRROLE COMPOSITE NANOFIBER

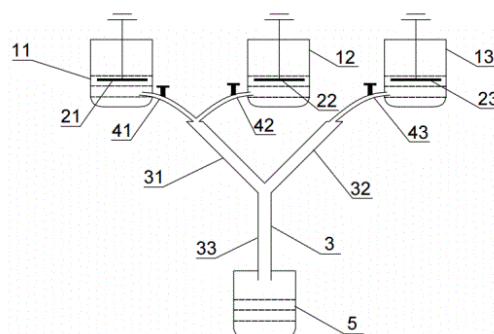
00: -
 The present invention provides a continuous preparation device for a polyaniline and polypyrrole composite nanofiber. The polyaniline and polypyrrole composite nanofiber is prepared by the continuous preparation device provided by the present invention, and polypyrrole can be wrapped around a surface of a polyaniline nanofiber through in-situ chemical redox polymerization of a pyrrole monomer in the same flow process, and continuous preparation of the polyaniline and polypyrrole composite nanofiber is realized. By arranging a reaction bent pipe, reaction feed liquid induces a molecular chain orientation in a flowing manner, and then the high-quality polyaniline and polypyrrole composite nanofiber with uniform morphology, a regular structure and good dispersion is prepared. Moreover, the continuous preparation device provided by the present invention takes the reaction bent pipe as a reaction place, has a simple structure, and is suitable for industrial preparation of the polyaniline and polypyrrole composite nanofiber.



21: 2024/00732. 22: 2024/01/22. 43: 2024/07/22
 51: D01F
 71: Henan University of Urban Construction
 72: LIANG, Banglei, FENG, Qiao, ZHAO, Zhenxin, ZHAO, Yaqi, TAN, Yanfang, MA, Shucan
54: DEVICE AND METHOD FOR PREPARING POLYANILINE AND POLYACRYLONITRILE COMPOSITE NANOFIBER

00: -
 The present invention provides a device and method for preparing a polyaniline and polyacrylonitrile composite nanofiber. According to the present

invention, by arranging stirring devices, mixing and continuous flow of reaction liquid are realized by centrifugal force provided by rotation of the stirring device and gravity of the liquid itself, aniline and a polymerization initiator are preliminarily mixed in a first branch pipe of a Y-shaped reaction tube, then mixed with polyacrylonitrile fiber-dopant dispersion liquid flowing through a second branch pipe and converged into a lower guide pipe, and the aniline is polymerized and uniformly wrapped around a polyacrylonitrile composite nanofiber, such that the polyaniline and polyacrylonitrile composite nanofiber orientedly grows continuously along a flow direction in a lower flow guide pipe of the Y-shaped reaction tube, and the prepared polyaniline and polyacrylonitrile composite nanofiber has uniform morphology, a regular structure, good dispersion, high orientation and high quality.



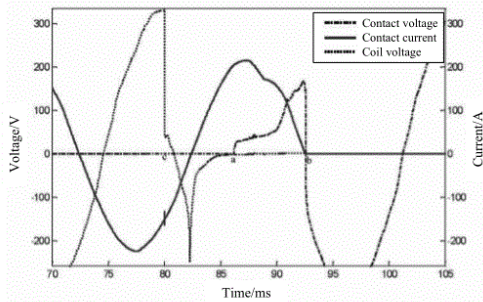
21: 2024/00733. 22: 2024/01/22. 43: 2024/07/22
 51: G06F

71: Shenyang University of Technology
 72: LIU, Shuxin, LIU, Yang

54: METHOD FOR PREDICTING ELECTRICAL LIFE OF ALTERNATING CURRENT CONTACTOR ON BASIS OF LONG SHORT-TERM MEMORY NEURAL NETWORK

00: -
 The present invention belongs to the field of alternating current contactors, and particularly relates to a method for predicting an electrical life of an alternating current contactor on the basis of a long short-term memory neural network. According to the method, real-time online prediction of a residual electrical life of the alternating current contactor can be achieved, stability is strong, and accuracy of results is high. The method includes the following steps: extracting characteristic parameters affecting the electrical life of the alternating current

contactor, and performing data preprocessing; constructing a model for predicting the residual electrical life of the alternating current contactor on the basis of the deep long short-term memory neural network; and training the deep long short-term memory (LSTM) prediction model and verifying accuracy thereof.



21: 2024/00734. 22: 2024/01/22. 43: 2024/07/22
51: H01L

71: CHUZHOU UNIVERSITY

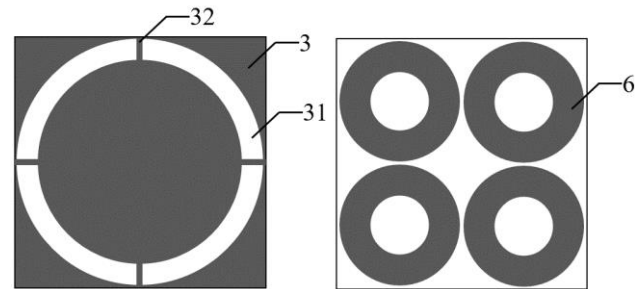
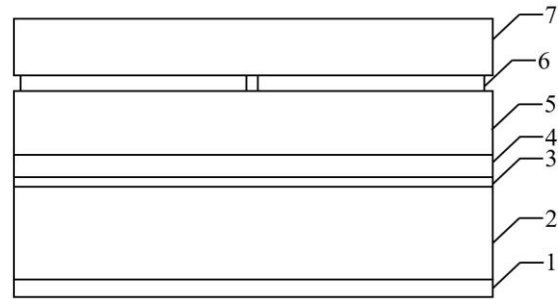
72: Hu Dan, Wang Hongyan, Li Yaqin, Yang Gui, Shang Hongwei

54: A BROADBAND SWITCHABLE TERAHERTZ ABSORBER BASED ON GRAPHENE AND VANADIUM DIOXIDE COMPOSITE SUPER SURFACE

00: -

The invention discloses a broadband switchable terahertz wave absorber based on graphene and vanadium dioxide composite super surface, which relates to the technical field of terahertz. The wave absorber is composed of a plurality of wave absorber units, and the wave absorber unit consists of a metal reflection layer, a first dielectric layer, a graphene pattern layer, a patternless vanadium dioxide film layer, a second dielectric layer, a vanadium dioxide pattern layer, and a third dielectric layer that are stacked from bottom to top, The layers are closely bonded. The dynamic tuning of broadband absorption amplitude can be achieved by adjusting the Fermi level of graphene through voltage, and the free switching between dual broadband absorption and single broadband absorption can be achieved by adjusting the conductivity of vanadium dioxide through temperature. The wave absorber provided by the invention has the advantages of free function switching, wide frequency band, high absorptivity,

polarization insensitivity, etc., and has high engineering application value.



21: 2024/00735. 22: 2024/01/22. 43: 2024/07/22
51: G01N

71: North Sichuan Medical College

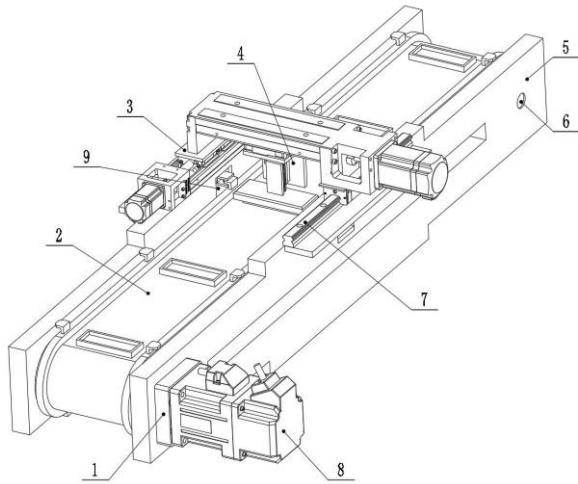
72: Wei Chen, Xiaojie Liu, Jingyi He

54: CELL COUNTING AND FLUORESCENCE-ACTIVATED CELL SORTER DEVICE

00: -

The invention relates to the technical field of testing equipment, in particular cell counting and fluorescence-activated cell sorter device, which comprises a motor mounting plate, a transmission device, a positioning device, a detection device, a supporting holder, a synchronous guiding roller, a fixed guiding rail and a first servo motor. The inner end face of the supporting holder is symmetrically rotating and is connected with a synchronous guiding roller. The internal meshing of the two sets of synchronous guiding rollers is connected with a transmission device, and the side end face of the support seat is arranged with a motor mounting plate at one set of the synchronous guiding rollers. By setting a transmission device and a detection device, when analyzing cells, the first servo motor can through the meshing of the synchronous guiding roller with the synchronous conveyor belt, and at the same time, it pass through the correction positioning of the trough photoelectric switch and connecting proximity switch, and it can locate the limit holder to the bottom of the detection device in a cycle and

accurately, so as to facilitate the subsequent detection device to carry out accurate and strong detection of the carrier inside the limit holder. The efficiency of testing batch carrier is effectively improved.

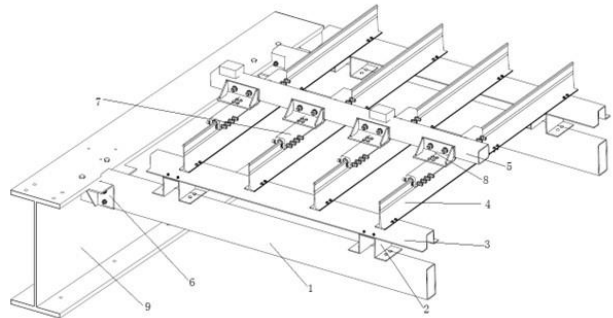


21: 2024/00736. 22: 2024/01/22. 43: 2024/07/22
 51: E04D; E04G
 71: CHINA HARBOUR ENGINEERING COMPANY LIMITED
 72: HE, Junbiao, ZHAO, Gaoyu, XU, Qingyun, SU, Jianmu, XIE, Wei, LAI, Lichang, YIN, Changquan, LI, Xingfu
 33: CN 31: 202311166604.9 32: 2023-09-11

54: INSTALLATION STRUCTURE SUITABLE FOR STANDING SEAM METAL ROOF AND INSTALLATION METHOD THEREOF

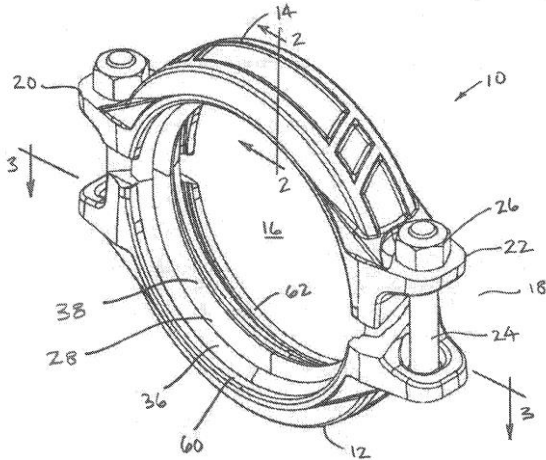
00: -
 Disclosed in as an installation structure suitable for a standing seam metal roof and an installation method thereof. The invention has the characteristics of firmness, usability, good stability, convenient installation, strong compatibility, reliability, safety and the like, and can meet installation and fixing requirements of large-scale devices or facilities without penetrating metal roof plates. The structure is compatible with a support system owned by a standing seam metal roof system, and does not have any appearance or functional impact on the design and installation thereof. A perforation-free fixing method adopted in the invention meets the structural requirements on the installation of heavy devices on the roof system and ensures the integrity and functionality of the roof system, eliminates a risk of water leakage of the roof system. The installation

structure is suitable for the standing seam metal roof system with the demand of installing heavy devices or bearing heavy loads.



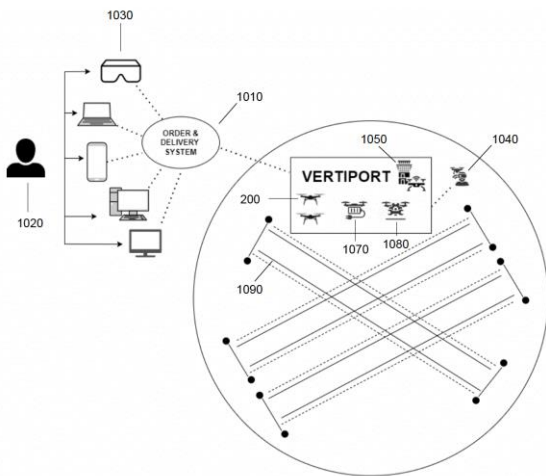
21: 2024/00737. 22: 2024/01/22. 43: 2024/07/22
 51: B21D; F16L
 71: VICTAULIC COMPANY
 72: BANCROFT, Philip Wayne
 33: US 31: 62/514,229 32: 2017-06-02
54: COUPLING HAVING SEAL WITH RETRACTING CENTER LEG
 00: -

A coupling for joining pipe elements has segments surrounding a central space with cusps which engage lobes of a seal to maintain the segments in spaced apart relation in a preassembled state. While the coupling is in the preassembled state the pipe elements may be inserted into the central space without disassembling the coupling, and portions of the seal adjacent to attachment members on the segments seat within a channel defined by the segments between the cusps. When the seal is compressed between the segments and the pipe elements to form a joint the seal deforms so as to withdraw a center leg of the seal from the flow path defined within the pipe elements.



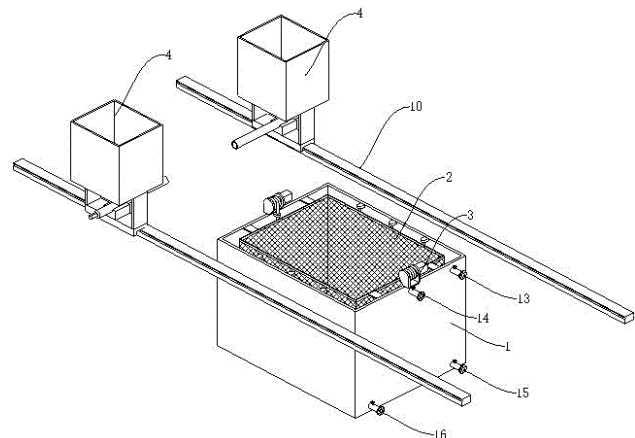
21: 2024/00738. 22: 2024/01/22. 43: 2024/07/22
 51: B64C; G06Q
 71: Michele DiCosola
 72: Michele DiCosola
 33: US 31: 18461843 32: 2023-09-06
**54: AIML SMART VERTIPOINT IN A BOX
 AUTONOMOUS MULTIMODAL PHYSICAL AND
 DIGITAL INFRASTRUCTURE**

00: -
 The present invention provides a vertipoint system for managing unmanned vehicles in delivering goods or passengers from a source location to a destination location. The user using the computing device access a delivery system in order to get a good delivered to user location. Once the user places an order for delivery and the Vertipoint system assigns an unmanned vehicle and an unmanned flight planner determines a route considering various factors like distance, weather conditions etc. and shares the same with the unmanned vehicle.



21: 2024/00740. 22: 2024/01/22. 43: 2024/08/01
 51: A01K
 71: TONGWEI AGRICULTURAL DEVELOPMENT
 CO., LTD.
 72: Tao Teng, Lu Zhang, Haifeng Mi, Chunyu Xue,
 Heng Yin
 33: CN 31: 202310483894.3 32: 2023-04-28
**54: A CALIFORNIA PERCH BREEDING DEVICE
 AND A BREEDING METHOD**

00: -
 The invention discloses a California perch breeding device and a breeding method, which comprises a breeding box, a mesh component arranged in a breeding box, a winding component arranged on a breeding box and used for lifting and lifting adjustment of the mesh component, and a feeding mechanism arranged on the side of the breeding box and used for feeding the breeding box. The mesh component comprises a fixed frame plate, a movable frame plate and a mesh body arranged between a fixed frame plate and a movable frame plate. The movable end of the lifting rope of the winding component is connected with the movable frame plate. The device realizes automatic feeding through the cooperation of sliding rail and feeding mechanism, reduces labor intensity and provides breeding efficiency. The fish fry on the bottom side and inside of the net are moved up by the lifting and winding component, so that the impurities on the bottom surface of the breeding box can be cleaned by the lower air nozzle of the snake cloth pipe, which can avoid or greatly reduce the damage caused by turbidity water to the fish fry. Through the upper air nozzle of the serpentine gas pipe, oxygen is uniformly supplied to avoid the occurrence of local low oxygen affecting California perch culture.



21: 2024/00741. 22: 2024/01/22. 43: 2024/07/22
51: A61K

71: Anhui Medical University, Hefei Doushuaigong Medical Technology Co., LTD

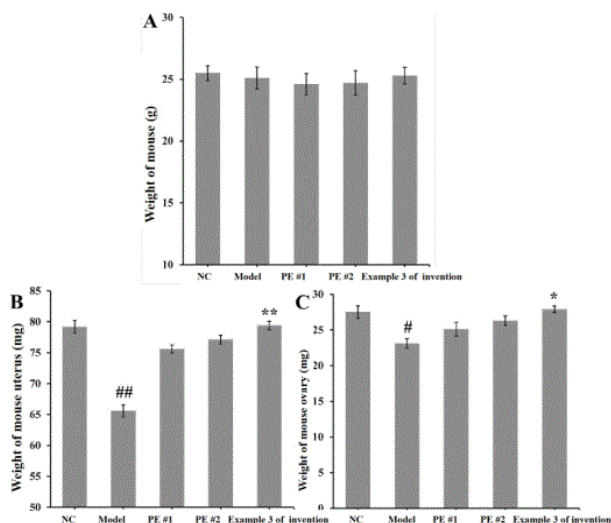
72: Youzhi XU, Wenjie LU, Mingxiang XU

33: CN 31: 2021108455151 32: 2021-07-26

54: A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING INFERTILITY AND ITS PREPARATION METHOD AND APPLICATION

00: -

The invention belongs to the research field of Chinese medicine for infertility, specifically related to a Chinese medicine composition for the treatment of infertility and its preparation method and application. The TCM composition consists of the following raw materials by weight: 10-15 for angelica, 15-25, white peony root 20-25, 8-12, 10-12 for peony peel, 12-15, 7-9 for trichosine, 4-6, 10-12, 6-12, 8-12 for dandelion. The traditional Chinese medicine composition provided by the invention to treat infertility can reduce the level of urotin hormone, increase the thickness of endometrium and restore the normal development of ovarian follicles, and ultimately effectively help pregnancy.



21: 2024/00771. 22: 2024/01/23. 43: 2024/07/24
51: G01N

71: Zhejiang University of Science and Technology

72: Lei FAN, Fangyuan SONG, Hongwei WANG,

Fengzhi WANG, Wei ZENG, Chuan CHEN, Li

ZHAO, Bowen KONG, Huan HE, Chen QU

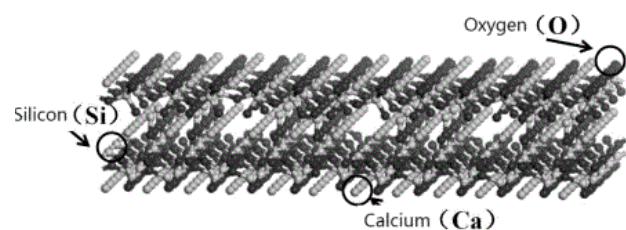
33: CN 31: 2024100519407 32: 2024-01-12

54: DESIGN METHOD FOR ENHANCING THE INTERFACIAL SHEAR AND INTER-LAYER LOAD

TRANSFER CAPACITY OF DOUBLE-LAYER GO-CSH

00: -

The invention discloses a design method for enhancing the interface shear and inter-layer load transfer ability of double-layer GO-CSH, including the following steps: Step 1: Establishing a C-S-H molecular model; Step 2: Establishing a graphene molecular model and obtaining double-layer graphene by Build Layer; Step 3: Establishing a double-layer graphene oxide molecular model; Step 4: Connecting the sp³ inter-layer bond to the upper and lower graphene oxide; Step 5: Forming a double-layer GO/C-S-H molecular model; Step 6: Forming a double-layer GO/C-S-H molecular model with sp³ inter-layer bonds; Step 7: Characterizing the force field parameters of D-GO-CSH molecular model and Lsp³ molecular model by reaction force field molecular dynamics. The invention adopts the above-mentioned design method for enhancing the interface shear and inter-layer load transfer ability of double-layer GO-CSH, the normalized inter-layer stress transfer value, normalized inter-layer pull-out energy and normalized inter-layer shear stress of D-GO-CSH and Lsp³ molecular models are calculated by molecular dynamics theory, and the molecular configuration of D-GO is actively regulated to improve the interfacial shear and inter-layer load transfer ability of D-GO-CSH.



21: 2024/00772. 22: 2024/01/23. 43: 2024/07/24
51: B02C

71: Henan University of Urban Construction

72: ZHANG Yongcun, WU Zhen, ZHANG Huiping,

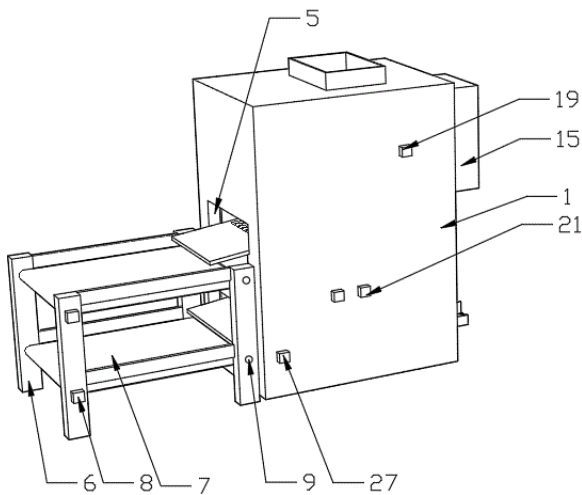
FU Hao, NI Hongmei

54: CONSTRUCTION WASTE TREATMENT EQUIPMENT

00: -

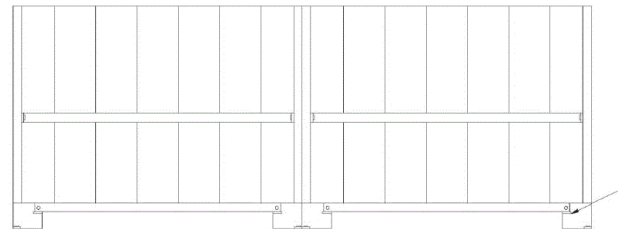
The invention discloses construction waste treatment equipment, which belongs to the technical field of waste treatment equipment, and comprises a shell, where a primary crushing assembly, a

secondary crushing assembly and a discharging assembly are sequentially arranged in the shell from top to bottom; screens are respectively arranged between the discharging end of the primary crushing assembly and the feeding end of the secondary crushing assembly, and between the discharging end of the secondary crushing assembly and the feeding end of the discharging assembly; baffles movably connected with the shell are respectively fixed on two sides of the screen; a plurality of vibration motors are fixedly connected on the screen; the side wall of the shell is provided with two material guide ports, the discharging ends of the two screens respectively extend out of the two guide openings, a bracket is arranged on one side of the shell, and two first conveyor belts are arranged on the bracket, and the two first conveyor belts are respectively positioned below the discharging ends of the two screens, and the bracket is provided with a first driving assembly in transmission connection with the two first conveyor belts. The invention can improve the uniformity of particle size and shape of broken construction waste.



21: 2024/00773. 22: 2024/01/23. 43: 2024/07/24
 51: E04H
 71: China Construction Second Engineering Bureau LTD.
 72: Long Ye, Bo Duan, Hua Wei, Yadong Cao, Fakai Yang, Zhu Yu, Siyu Xiang
 33: CN 31: 2023212148184 32: 2023-05-18
54: A PROTECTIVE BOARD FOR CONSTRUCTION ENGINEERING
 00: -

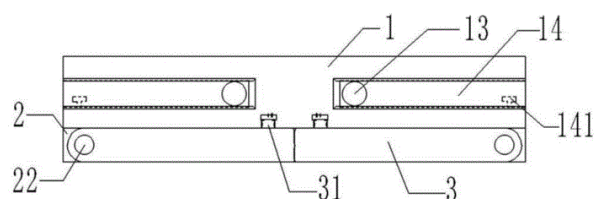
The invention discloses a protective board for construction engineering, which includes a protective plate and a base, the protective plate is provided with a slide bar, a connecting plate is arranged between the two bases, a base and a connecting plate are both provided with a slideway, the base is provided with a vertical rod, the vertical rod is provided with a guide rail rod, and the guide rail rod and the vertical rod are all provided with a sliding groove for the slider to slide. This invention is convenient for assembling and disassembly. The individual components of the present invention are split into multiple parts to facilitate transfer and transportation; The first and second rolling rings that are arranged are convenient for pushing the protective plate between two guide rail rods, and save time and effort; Between the protective plate and the chute, between the protective plate and the protective plate are connected by clamping, which increases the stability of the device and the smoothness of installation.



21: 2024/00774. 22: 2024/01/23. 43: 2024/07/24
 51: E04G
 71: China Construction Second Engineering Bureau LTD.
 72: Bo Duan, Long Ye, Yadong Cao, Hua Wei, Zhu Yu, FaKai Yang, Xiaoqian Yuan
 33: CN 31: 2023210978655 32: 2023-05-09
54: A HIGHLY STABLE TEMPORARY CONSTRUCTION JUMP FRAME
 00: -

The invention discloses a highly stable temporary construction jump frame, which includes a horizontal plate. The two ends of the bottom wall of the horizontal plate are provided with bottom plates of the same size, there is a central hole on the bottom plate for the central axis to pass through. Both ends of the central axis extend out of the bottom plate and are respectively fixed to the two protrusions at the ends of the folding plate. The free end of the folding plate is provided with an insert plate facing the

horizontal plate. The bottom of the board is provided with a limit groove for the horizontal plate to be inserted; the insert plate is provided with grooves on both sides of the end facing the bottom plate, and the inner wall of the limit groove is connected with a convex block that fits the end groove of the insert plate through a compression spring; There are storage slots at both ends of the horizontal plate, and a sliding rotating shaft is provided between the slide rails on both sides of the storage slot. The end of the sliding plate in the storage slot has a rotating hole for the rotating shaft to pass through. The sliding plate a T-shaped slot is provided at the bottom of the end away from the rotation axis, and a limit shaft that can be snapped into the T-shaped slot is fixedly connected to the hollow of the folding plate. This invention solves the problem of poor stability of the jump frame in the existing technology.



21: 2024/00775. 22: 2024/01/23. 43: 2024/07/24
51: B09C

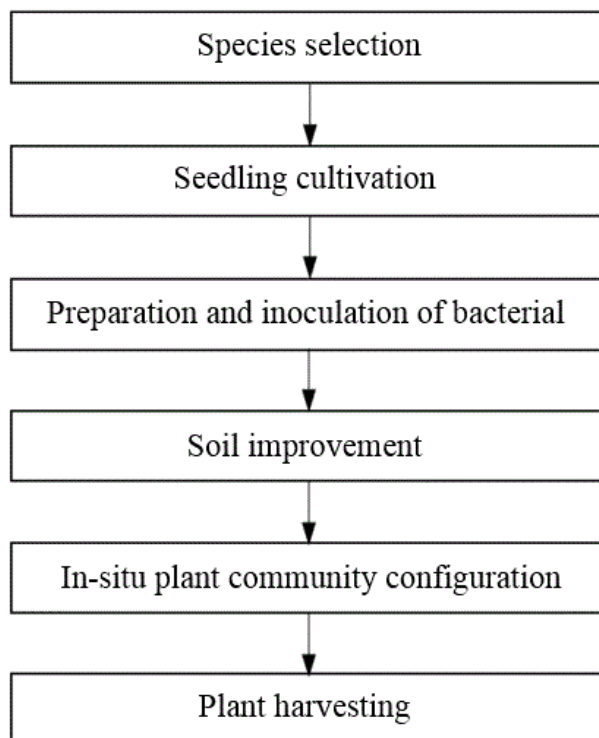
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION

72: HU Hui, ZHANG Tingting, LIU Biao, ZHOU Changrui, LONG Xiaojing, SANG Yupeng, KONG Qianqian, YI Boxiang

54: MYCORRHIZA-PLANT COMMUNITY CONFIGURATION METHOD FOR REMOVING HEAVY METALS IN SOIL IN SITU

00: -
The invention discloses a mycorrhiza-plant community configuration method for removing heavy metals in soil in situ, and belongs to the technical field of soil pollution prevention and control. The method comprises the following steps: taking trees and herbs as cultivation objects, inoculating microbial liquid on the root system of seedlings; ploughing the target soil, adding organic fertilizer, uniformly mixing, digging holes after determining the transplanting point, and spraying the microbial liquid; soaking the roots of seedlings inoculated with microbial liquid in the microbial liquid, and

transplanting into target soil for cultivation; after ripening, harvest the plant tissues rich in heavy metals and carry out harmless treatment. According to the invention, the combination of trees and herbs is combined with mycorrhizal fungi to improve the remediation ability of heavy metals in soil, and various heavy metals in soil can be removed for a long time without causing secondary pollution to the environment.



21: 2024/00776. 22: 2024/01/23. 43: 2024/07/24
51: G06F

71: SHANGHAI SPACEFLIGHT INSTITUTE OF TT & C AND TELECOMMUNICATION

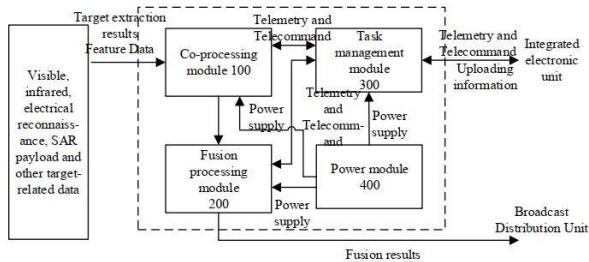
72: XIE, Baorong, ZHANG, Man, FENG, Shuyi, DENG, Songfeng, ZHU, Wentao, ZHU, Xinzhong, DING, Rongli, MU, Wentao

33: CN 31: 2023103231651 32: 2023-03-29

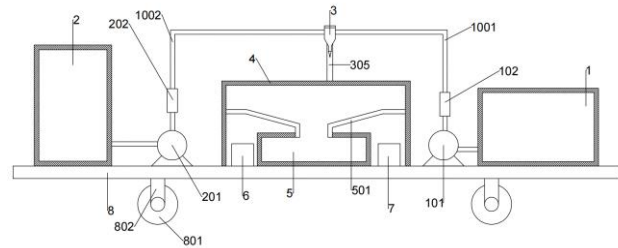
54: EFFICIENT FUSION PROCESSING SYSTEM AND METHOD FOR MULTI-SOURCE PAYLOAD DATA ON SATELLITE

00: -
An efficient fusion processing system and method for multi-source payload data on satellite comprising a co-processing module, used for performing target feature extraction based on the received target related data, and performing data interaction with a fusion processing module based on the target

extraction result; the fusion processing module, used for performing track association and fusion based on the received target extraction result, and performing data interaction with the co-processing module; a task management module, used for performing data interaction with the co-processing module, the fusion processing module and the integrated electronic unit respectively based on the received remote control, telemetry data or uploading data; a power module, used to supply power to the co-processing, fusion processing, and task management modules. The system has the capability of fusion processing of visible light, infrared, electronic reconnaissance, SAR multi-source payloads, as well as normal operation and system reconfigurability under spatial radiation conditions.



formed by the air pump, and the high-speed abrasive flow and the high-speed water flow are mixed in the mixing area to form a high-speed abrasive water jet, which cuts the workpiece to be processed on the workbench below the nozzle. The invention has strong processing ability, easy collection of residual jet and abrasive, environmental protection, no heat affected region and mechanical stress after processing, high energy conversion efficiency, improved nozzle flow passage, improved equipment performance and service life, and ensured the safety of operators.



21: 2024/00777. 22: 2024/01/23. 43: 2024/07/25
 51: B24C
 71: NORTH CHINA INSTITUTE OF AEROSPACE ENGINEERING
 72: Cai Yi, Guo Liwen, Chen Lihuan, Li Weicon, Cai Jiase
 33: CN 31: 202410006327.3 32: 2024-01-03
54: HIGH-PRESSURE ABRASIVE WATER JET CUTTING DEVICE IN NON-SUBMERGED STATE
 00: -

The invention provides a high-pressure abrasive water jet cutting device in a non-submerged state. Aiming at the problems of low cutting efficiency, poor quality and difficult collection of residual jet and abrasive in the traditional water jet cutting machine, the following scheme is proposed: a water pump is connected with a water tank, and an air pump is connected with an abrasive box; the water pump and the air pump are respectively communicated with the inside of the nozzle through a first pipeline and a second pipeline; the water body forms high-speed water flow through the water pump and flows into the water flow region; the abrasive flows into the abrasive region through a high-speed abrasive flow

21: 2024/00780. 22: 2024/01/23. 43: 2024/08/05
 51: A63F; A61P; H04W
 71: GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD

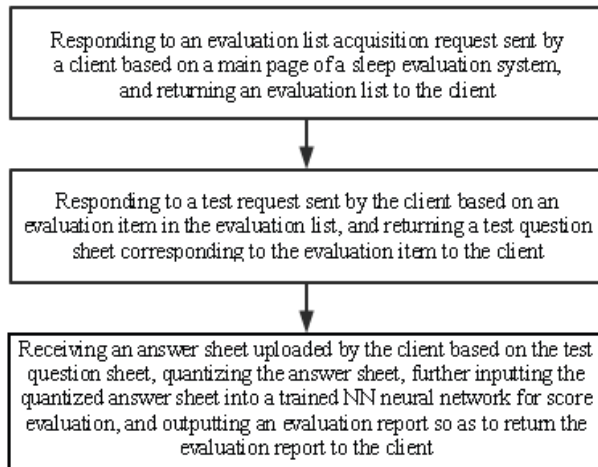
72: LIU, Enping, LIU, Sujun, LIN, Yongming, WANG, Shengxiang

54: SLEEP EVALUATION METHOD, SLEEP EVALUATION APPARATUS, TERMINAL DEVICE AND STORAGE MEDIUM

00: -

The present invention discloses a sleep evaluation method, a sleep evaluation apparatus, a terminal device and a storage medium, which are applied to the technical field of sleep monitoring. The sleep evaluation method comprises the following steps: responding to an evaluation list acquisition request sent by a client based on a main page of a sleep evaluation system, and returning an evaluation list to the client; responding to a test request sent by the client based on an evaluation item in the evaluation list, and returning a test question sheet corresponding to the evaluation item to the client; and receiving an answer sheet uploaded by the client based on the test question sheet, quantizing the answer sheet, further inputting the quantized answer sheet into a trained NN neural network for score evaluation, and outputting an evaluation report so as to return the evaluation report to the client. Compared with the existing method that relies on a

sensor and a processor to perform simple processing so as to obtain sleep quality evaluation, the present invention combines self-perception evaluation and artificial intelligence, and can improve the accuracy of sleep quality evaluation.



21: 2024/00781. 22: 2024/01/23. 43: 2024/08/05
51: F24F; G05D; G06Q

71: STATE GRID HENAN ELECTRIC POWER COMPANY KAIFENG POWER SUPPLY COMPANY, SOUTHEAST UNIVERSITY, NARI TECHNOLOGY CO., LTD.

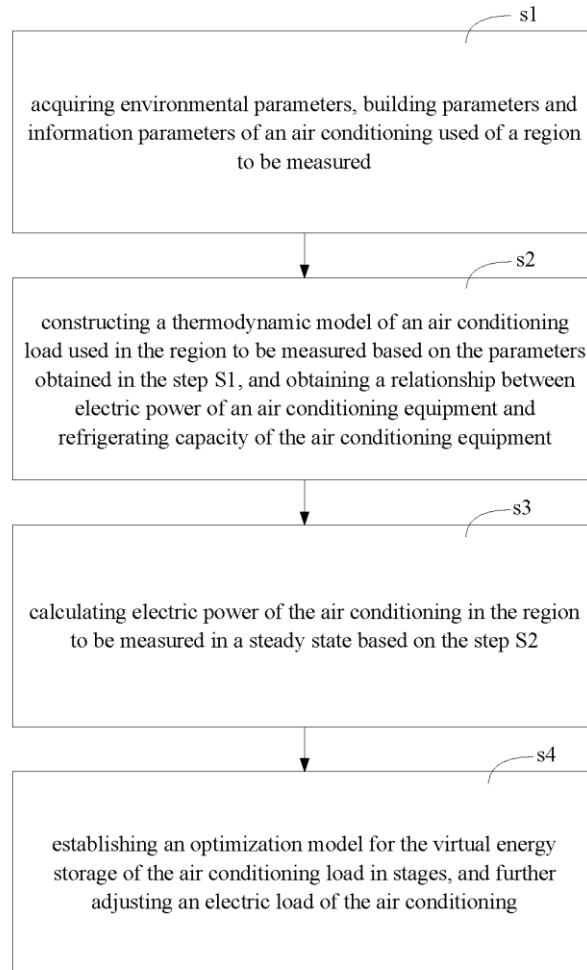
72: MENG, Fanbin, XU, Qingshan, ZHENG, Gang, CHEN, Binghua, HAO, Jing, NAN, Yu, DU, Jiao, ZHANG, Haichuan, LU, Zhenjun, ZHANG, Weiguo, ZHU, Qing

54: OPTIMIZATION METHOD, SYSTEM AND ELECTRONIC EQUIPMENT FOR VIRTUAL ENERGY STORAGE OF AIR CONDITIONING LOAD

00: -

The present disclosure discloses an optimization method, system and electronic equipment for virtual energy storage of air conditioning load, which relates to the field of energy storage optimization technology. The method comprises the following steps: acquiring environmental parameters, building parameters and information parameters of the air conditioning used of the region to be measured; constructing a thermodynamic model of the air conditioning load used in the region to be measured and obtaining the relationship between the electric power of the air conditioning equipment and the refrigerating capacity of the air conditioning equipment; calculating the electric power of the air conditioning in the region to be measured in the

steady state; establishing an optimization model for the virtual energy storage of the air conditioning load in stages, and further adjusting the electric load of the air conditioning.



21: 2024/00807. 22: 2024/01/24. 43: 2024/07/24
51: C08J

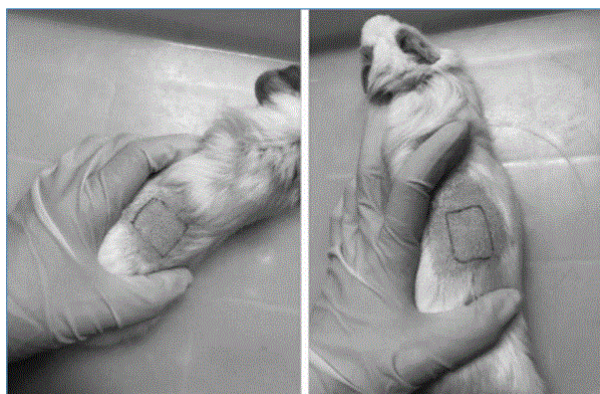
71: Beijing Institute of Technology
72: ZHANG, Kai, ZHU, Wenbo, JIAN, Nannan, ZUO, Lei

54: ICE AND SNOW MATERIAL WITH EXCELLENT BIOCOMPATIBILITY AND HIGH MECHANICAL BEARING CHARACTERISTICS

00: -

The present invention belongs to the technical field of ice and snow materials, and particularly relates to an ice and snow material with excellent biocompatibility and high mechanical bearing characteristics and a preparation method thereof. The preparation method includes: (1) preparing a solution A; (2) preparing a solution B; (3) mixing the

prepared solution A and solution B, and stirring uniformly; (4) successively adding a tetrasodium pyrophosphate slow-release agent solution and a calcium salt cross-linking agent solution, and then standing to cure for 2-10 h; and (5) transferring a cured sample into a calcium salt solution to soak for 3-20 h. The ice and snow material obtained by the preparation method provided in the present invention not only has the visual sensation and tactile sensation of natural ice and snow, but also does not thaw, and has excellent biocompatibility and high mechanical bearing characteristics.



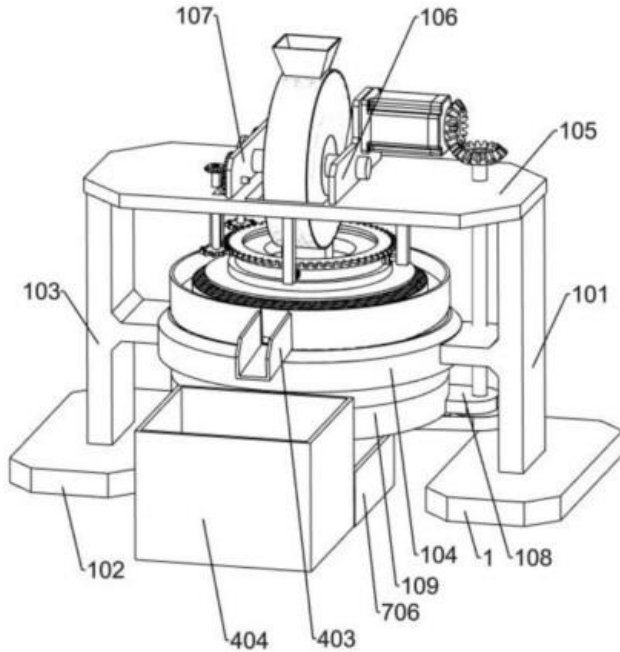
21: 2024/00808. 22: 2024/01/24. 43: 2024/07/24
51: A23K
71: ZHENGZHOU RAILWAY VOCATIONAL & TECHNICAL COLLEGE
72: ZHANG Yaolei, ZHANG Xiaoxia, CHENG Cong, ZHANG Lingling
54: ARTIFICIAL NUTRITIOUS RICE CONTAINING TRADITIONAL CHINESE MEDICINE COMPONENTS AND PREPARATION METHOD THEREOF

00: -
The invention discloses an artificial nutritious rice containing traditional Chinese medicine components and a preparation method thereof, and belongs to the technical field of artificial rice processing. The artificial rice containing traditional Chinese medicine ingredients comprises the following raw materials in parts by mass: 50-60 parts of indica rice, 10-15 parts of tartary buckwheat, 15-25 parts of glutinous rice, 3-7 parts of yam, 1-3 parts of Codonopsis pilosula, 0.3-0.5 part of emulsifier, 0.4-0.8 part of stabilizer and 0.5-1 part of antioxidant. The technical scheme of artificial rice designed by the invention is low in cost and easy to operate, and the obtained finished product has smooth and beautiful appearance, rich

nutrition, soft taste, strong feeling, and no side effect after long-term consumption, and has good application value. Codonopsis pilosula is sweet in taste and flat in nature, and has the functions of invigorating the middle energizer, quenching thirst, invigorating the spleen and lung, nourishing blood and promoting fluid production. According to the invention, Codonopsis pilosula and yam are used as raw materials, so that the product is more suitable for people with weak spleen and stomach.

21: 2024/00809. 22: 2024/01/24. 43: 2024/07/24
51: A23N; B02C
71: GANSU LONGXIAONAN E-COMMERCE CO., LTD.
72: ZHAO, Wuqiang
54: GREEN PEEL REMOVAL DEVICE FOR WALNUT PROCESSING

00: -
The present invention relates to a walnut processing device, in particular to a green peel removal device for walnut processing. The technical embodiment of the present invention is a green peel removal device for walnut processing comprises a supporting frame and the like. The supporting frame comprises a first bottom plate, a first vertical bracket, a second bottom plate, a second vertical bracket, an annular frame, an upper transverse plate, a first supporting plate, a second supporting plate, a fixing plate and a drum frame. The upper sides of the first bottom plate and the second bottom plate are fixedly connected with the first vertical bracket and the second vertical bracket; the outer side of the annular frame is fixedly connected to the inner sides of the first vertical bracket and the second vertical bracket; and the drum frame is fixedly connected to the inner side of the annular frame.



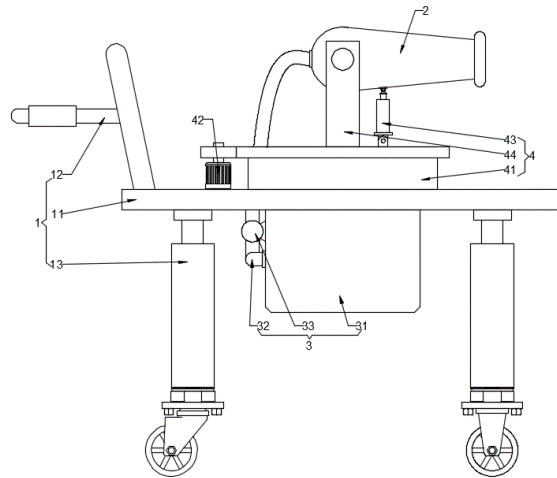
21: 2024/00812. 22: 2024/01/24. 43: 2024/07/24
51: A01M

71: Weifang University of Science and Technology
72: Sun Mingmao, Liu Lixia

54: PESTICIDE SPRAYING MACHINE FOR RICE PLANTING

00: -
Disclosed is a pesticide spraying machine for rice planting, falling within the technical field of rice planting. A mounting vehicle is included, the mounting vehicle includes a work table, and further includes an adjustment component, the adjustment component includes a rotation seat, a mounting rack is mounted on the rotation seat, a nozzle is rotatably mounted on the mounting rack, the work platform is further arranged with a driving motor in transmission connection to the rotating seat, the rotation seat is further rotatably mounted with an electric telescopic rod, and a telescopic end of the electric telescopic rod is connected to a bottom of the nozzle; and a liquid supply component, the liquid supply component includes a liquid storage tank mounted, a side wall of the liquid storage tank is connected to an infusion pipe, one end, away from the liquid storage tank, of the infusion pipe is connected to the nozzle, and a bottom of the mounting vehicle is further arranged with a liquid supply pump for transporting a liquid medicine in the liquid storage tank to the nozzle via the infusion pipe. The device can realize

automatic pesticide spraying, and has wide coverage, high work efficiency and good use effect.

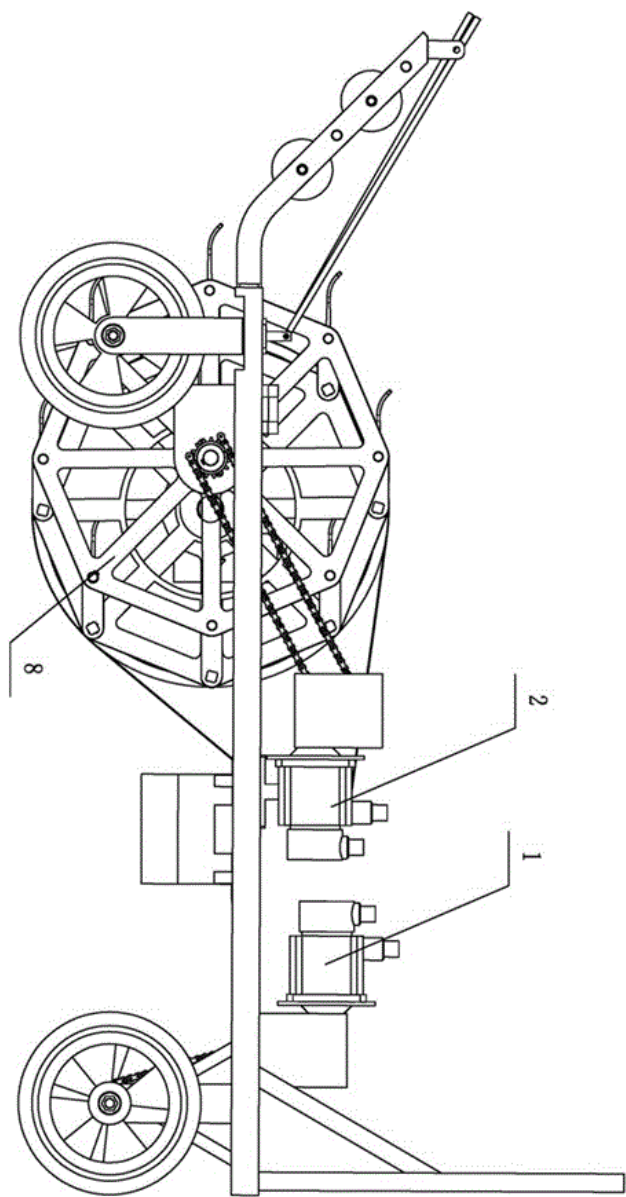


21: 2024/00841. 22: 2024/01/25. 43: 2024/08/01
51: A01D

71: Xinjiang HeBen Agricultural Technology Co., Ltd
72: WU Zhaolei, YUAN Xiaowei, JIN Ruocheng, LI Guangxin, ZHAO Liwei, ZHENG Nan, MA Yunhai

54: COMB-TOOTHED TYPE PEPPER HARVESTING DEVICE

00: -
The invention discloses a comb-toothed type pepper harvesting device, belonging to the technical field of pepper harvesting, comprising a bracket, where the bracket is provided with a travelling device and a picking device, and the picking device is installed on the travelling device; the travelling device is provided with a first driving device for driving the travelling device to walk; the picking device comprises a second driving device, where the second driving device drives two driving disks, a plurality of conveying roller rings positioned between the two driving disks and comb-toothed mechanisms connected to the driving disks and the conveying roller rings to pick peppers, and the comb-toothed mechanisms are always horizontal with the ground during the pepper picking process; a plurality of conveying roller rings are all provided with conveying belts for conveying peppers, and the two driving disks are connected through a second transmission shaft. By adopting the structure, the invention has the advantages of reasonable design structure, stable performance, satisfactory picking effect and strong adaptability.



21: 2024/00843. 22: 2024/01/25. 43: 2024/08/01
51: B01J

71: HENAN UNIVERSITY OF URBAN
CONSTRUCTION

72: YU Xiuna, LUO Hongyu, CHEN Zhuo, MAO
Yanli, PENG Lanshi

**54: CATALYST FOR DEGRADING ORGANIC
POLLUTANTS IN WASTEWATER AND
PREPARATION METHOD THEREOF**

00: -

The invention discloses a catalyst for degrading organic pollutants in wastewater and a preparation method thereof, belonging to the technical field of catalysts, and comprising the following steps: mixing

iron oxide, lanthanum nitrate and nickel nitrate, adding water for hydrothermal reaction to obtain a hydrothermal reaction product, and then uniformly mixing the hydrothermal reaction product with activated camellia oleifera shell powder and biomass nitrogen source, and calcining to obtain the catalyst for degrading organic pollutants in wastewater. The invention also discloses the catalyst for degrading organic pollutants in wastewater prepared by the preparation method. According to the invention, the biomass carbon is compounded with the iron-lanthanum-nickel element, so that the biomass carbon is endowed with the catalytic degradation ability of organic pollutants. In addition, the present invention is able to achieve in-situ loading of nitrogen in the process of catalyst preparation by calcination, which improves the loading rate of nitrogen element, greatly improves the production efficiency, realises the utilisation of agricultural wastes, greatly reduces the production cost, and at the same time, is environmentally friendly.

21: 2024/00844. 22: 2024/01/25. 43: 2024/08/01
51: A23L

71: Henan Urban Architecture

72: Fan Yanru, Ren Yahui, Zhang Sijin, Duan Xiaoyan, Dong Ziming, Jing Lei, Zheng Mengmeng, Cheng Meidie

33: CN 31: 2023118138852 32: 2023-12-27

54: A PROCESSING METHOD FOR BEEF JERKY
00: -

The invention discloses beef jerky and its processing method, comprising the following steps: S1, cutting beef into strips along the grain, and removing the fat and tendons on the surface of the beef; S2, preparing injection solution and marinating solution; S3, injecting the injection solution into the beef strips, placing the beef strips in a kneading barrel for kneading, and then marinating with the marinating solution; S4, completing the marination and performing vacuum microwave spray drying; S5, after microwave spray drying is completed, placing the beef strips in an oven for baking; S6, after baking is completed, taking out the beef strips from the oven, naturally cooling to room temperature, and packaging according to specifications. The invention uses the combination of injection solution injection and marinating solution marination to complete the pretreatment of beef strips, making the later

processed beef strips more flavorful. The drying process of beef jerky is carried out by combining microwave spray drying with oven baking, and the obtained beef jerky has a better taste than traditional braising processes and is more digestible.

21: 2024/00845. 22: 2024/01/25. 43: 2024/08/01
51: A23K

71: Jiangxi Agricultural University
72: XU, Lanjiao, CHEN, Chuanbin, WAN, Gen, MEI, Wenliang, QU, Mingren, LIANG, Huan, GUO, Xiaoquan

33: CN 31: 202311509233X 32: 2023-11-14

54: APPLICATION OF TRIBUTYRIN IN CULTIVATION OF TAIHE BLACK-BONE SILKY FOWLS

00: -

The present invention belongs to the technical field of poultry cultivation and particularly relates to an application of tributyrin in cultivation of Taihe black-bone silky fowls. The Taihe black-bone silky fowls are fed with tributyrin. The tributyrin can be slowly decomposed in small intestines of the Taihe black-bone silky fowls under the action of pancrelipase to release butyric acid, which can provide energy to intestinal tracts and improve composition and structure of intestinal flora, improve growth performance, slaughter performance and antioxidant ability of Taihe black-bone silky fowls with heat stress, and perfect muscle quality of the Taihe black-bone silky fowls with heat stress. The tributyrin is free of toxic and side effects, relatively stable in physical and chemical properties, free of special smell and environmental-friendly, so that the problems such as drug residues of existing antibiotics are solved.

21: 2024/00846. 22: 2024/01/25. 43: 2024/08/01
51: B01J

71: TaiYuan University of Technology, Fujian Lang Mang Technology Co., Ltd

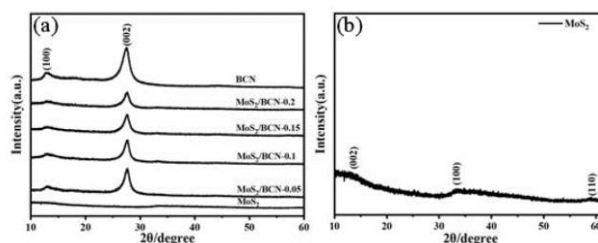
72: Wang Jian, Liu Yiming, Ye Shaofei, Huang Huichuan, Zhang Wanggang

33: CN 31: 2023104127744 32: 2023-04-18

54: A METHOD FOR PREPARING A MO-MOF-DERIVED MOS₂ ROD-LIKE STRUCTURE COMPOSITE B-DOPED G-C₃N₄ THIN FILM PHOTOCATALYST

00: -

The purpose of the present invention is to provide a method for preparing a Mo-MOF-derived MoS₂ rod-like structure composite B-doped g-C₃N₄ sheet photocatalyst. It belongs to the field of photocatalytic material preparation technology. The method involves sulfidizing the pre-prepared Mo-MOF to obtain MoS₂, where the obtained MoS₂ retains the rod-like structure of Mo-MOF. Further, B-doped g-C₃N₄ sheets are prepared, and both materials are mechanically ground to produce Mo-MOF-derived MoS₂/B-doped g-C₃N₄ sheet composite photocatalyst. The material preparation process of the present invention is simple, the product morphology is controllable, and the catalyst exhibits excellent photocatalytic performance and stability.



21: 2024/00848. 22: 2024/01/25. 43: 2024/08/01
51: G01N

71: Taiyuan University of Technology
72: Dong Xianshu, Li Fang, Fan Yuping, Zhang Yangyang, Ma Xiaomin

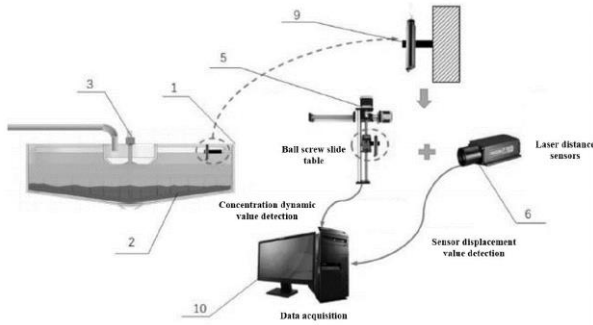
33: CN 31: 2023102631873 32: 2023-03-17

54: A DYNAMIC CONCENTRATION DETECTION DEVICE AND METHOD FOR COAL SLURRY

00: -

This invention provides a dynamic concentration detection device and method for coal slurry, belonging to the technical field of coal slurry dosing. It solves the lag problem in concentration detection during the existing coal slurry concentration process. The device includes a motion execution mechanism and a data detection and acquisition module. The motion execution mechanism comprises a cross roller screw slide table, a connecting rod, and a laser ranging reference surface. The cross roller screw slide table is installed on the side of the bridge, with its X-axis direction parallel to the bridge, and its Y-axis direction extending into the concentration tank. The connecting rod is vertically installed on the cross roller screw slide table. The data detection and acquisition module include a concentration sensor, a laser ranging sensor, and an upper computer. The

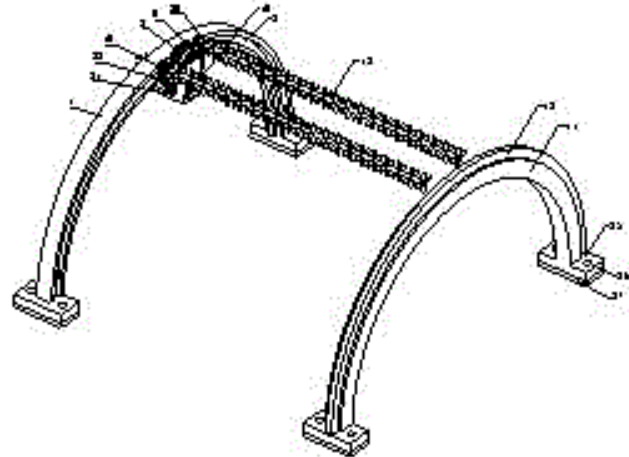
laser ranging sensor, in coordination with the laser ranging reference surface, can detect the depth to which the concentration sensor submerges into the concentration tank in real-time. The upper computer can obtain the concentration at different depths in the clarification layer of the concentration tank and the depth of submersion based on the collected real-time data. This invention is applied to the dynamic concentration detection of coal slurry.



21: 2024/00849. 22: 2024/01/25. 43: 2024/08/01
 51: G01B
 71: Sichuan Zhentong Inspection Co., Ltd.,
 Southwest University of Science and Technology
 72: Yaodong Luo, Yixiang Du, Longfan Zhu, Xia Li,
 Haoyang Wang, Yuhao Cheng, Lin Zhu, Zuopeng
 Feng, Biao Yang, Lisha He, Jiahui Li, Chuankang
 Liao, Bin Liu, Liang Zuo, Zhangwen Hu
**54: A TUNNEL DEFORMATION DETECTION AND
 EARLY WARNING DEVICE FOR TUNNEL
 PROTECTION**

00: -
 The application discloses a tunnel deformation detection and early warning device for tunnel protection, which relates to the technical field of tunnel detection equipment. The application comprises a first arc arch frame, one side of the first arc arch frame is provided with an arc track, the internal sliding of the arc track is connected with a guide slide block, one end of the guide slide block is hinged with a L-shaped mounting plate, and the top of the L-shaped mounting plate is provided with a lifting chute. In this application, the L-shaped mounting plate is driven by starting the driving component to drive the collision roller to move along the top of the tunnel, so that when deformation occurs inside the tunnel, the extrusion collision roller will push the mounting base to move along the length direction of the lifting chute, and the mounting

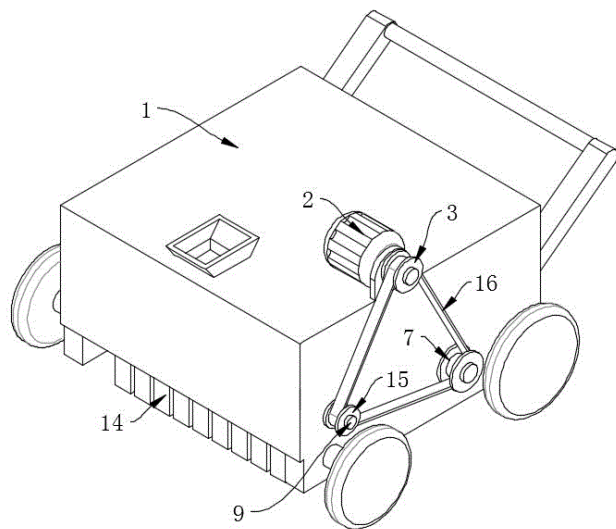
base will drive the infrared transmitter away from the original infrared signal launching track. Thus, the infrared receiver transmits abnormal signals to the controller through the change of the received signal, so as to warn the vehicles and personnel traveling inside the tunnel through the controller warning component.



21: 2024/00850. 22: 2024/01/25. 43: 2024/08/01
 51: A01C
 71: LU'AN XIANGCHUAN TECHNOLOGY CO., LTD
 72: Xiuqin Hu, Xiaolong Cheng
 33: CN 31: 202310337745.6 32: 2023-03-31
**54: A SEED DRILL WITH SYNCHRONOUS SOIL
 COVERING FUNCTION**

00: -
 The invention discloses a seed drill with synchronous soil covering function, which relates to the technical field of mechanical equipment, and the following scheme is proposed, including a machine body, a driving mechanism, the driving mechanism is installed on the top of the machine body, the sowing mechanism, the sowing mechanism is installed on one side of the machine body, and one end is connected with the driving mechanism. The sowing mechanism comprises a connecting rod and a connecting rod equipped with quantitative delivery roller, the driving mechanism drives the connecting rod to rotate, and synchronously drives the quantitative delivery roller to rotate, the soil covering mechanism, the soil covering mechanism is installed on the other side of the machine body, and one end is connected with the driving mechanism, the soil covering mechanism comprises a connecting rod with the internal rotating machine body; the invention can not only carry out quantitative seeding treatment

by rotation of quantitative dropping roller, but also can carry out soil covering treatment by rotation of soil covering plate after seeding. It can effectively improve seeding efficiency and effect, and reduce the problem of large amount of manual labor.



21: 2024/00880. 22: 2024/01/26. 43: 2024/08/01
51: B01J

71: HENAN UNIVERSITY OF URBAN CONSTRUCTION

72: YU Xiuna, LUO Hongyu, CHEN Zhuo, MAO Yanli, PENG Lanshi

54: CATALYST FOR DEGRADING ANTIBIOTIC WASTEWATER AND PREPARATION METHOD THEREOF

00: -

The invention discloses a catalyst for degrading antibiotic wastewater and a preparation method thereof, and belongs to the technical field of wastewater treatment. The catalyst takes copper vanadate as nanoparticles and is loaded on an iron-based metal organic skeleton. According to the invention, the advantages of narrow band gap and visible light response of copper vanadate are utilized, and the copper vanadate is loaded on an iron-based metal organic skeleton, so that the separation of photogenerated electrons and holes is effectively promoted, the recombination of electrons and holes is inhibited, and the photocatalytic efficiency is improved, so that good visible light photocatalytic performance is shown.

21: 2024/00881. 22: 2024/01/26. 43: 2024/08/01
51: A61G; A61H

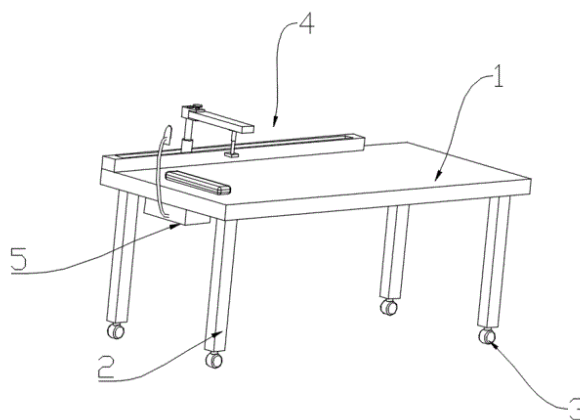
71: Shaanxi Provincial People's Hospital(Shaanxi Clinical Medical Research Institute)

72: Yingying Fu

54: CLINICAL CARDIOPULMONARY AND CEREBRAL RESUSCITATION RESCUE DEVICE FOR EMERGENCY INTERNAL MEDICINE

00: -

The invention discloses a clinical cardiopulmonary and cerebral resuscitation rescue device for emergency internal medicine, a cardiac resuscitation pressing mechanism that can move along its length direction is provided on the worktable; a breathing mechanism is provided on the bottom of one end of the worktable; the breathing mechanism comprises a ventilator, and the ventilator is connected with a mask through a trachea; the cardiac resuscitation pressing mechanism comprises a compression component, and the compression component can move along the width direction of the worktable. The compression component of the invention can be moved along the length and width directions of the worktable to better correspond to the patient's cardiac pressing position, and the pressing force of the pressing plate can be controlled by electrically controlling the electric telescopic rod through the extension and contraction of the rod body. And patients can be ventilated through the breathing system to assist in better recovery of vital signs.



21: 2024/00882. 22: 2024/01/26. 43: 2024/08/01
51: B01J

71: Taiyuan University of Technology

72: Fan Yuping, Liu Rui, Dong Xianshu, Ma Xiaomin, Fu Yuanpeng

33: CN 31: 2023115743542 32: 2023-11-23

54: A TUBULAR MODIFIED KAOLIN GRAFTED CHITOSAN COMPOSITE MATERIAL

ADSORBENT, ITS PREPARATION METHOD, AND APPLICATION.

00: -

This invention discloses a composite adsorbent based on modified kaolin, its preparation method, and application. It belongs to the technical field of resource utilization of coal-based kaolin. The process involves mixing kaolin with DMSO water solution, heating, and stirring. Then, MeOH is added, and the mixture undergoes a hydrothermal reaction. Subsequently, CK-CTAC with a tubular structure is obtained by adding CTAC/MeOH solution and undergoing another hydrothermal reaction. Chitosan and N,N-methylene bisacrylamide are then added and reacted together in a nitrogen environment to produce the composite adsorbent. The modification of kaolin in this invention results in a microtubular structure, increasing the specific surface area and the number of functional groups. After grafting chitosan, the composite material's adsorption capacity for Pb(II) in water is significantly improved compared to traditional kaolin and chitosan.

21: 2024/00884. 22: 2024/01/26. 43: 2024/08/01
51: B65G

71: Ningxia Tiandi Northwest Coal Machinery Co., Ltd., National Energy Group Ningxia Coal Industry Co., Ltd.

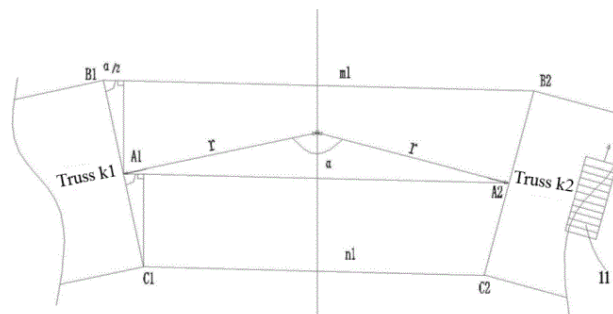
72: ZHANG Fenyong, HAN Fangjun, LUO Tingfeng, WANG Zhangui, LIU Zengjie, YANG Tao, HU Qiulin, MA Yue, GAO Xinfei, WU Tao, SONG Kang, HAI Bin, MA Zhao, TIAN Yanjun

54: CALCULATION METHOD AND RESET METHOD OF OFFSET OF BELT CONVEYOR RIGID CONNECTORS

00: -

The invention provides a calculation method and the reset method of offset of belt conveyor rigid connectors, characterized by including following steps: respectively installing a first sensor and a second sensor on both sides of the ends of two adjacent connectors, for respectively detecting the upper-end distance $m1$ and the lower-end distance $n1$ of the two adjacent connectors; and calculating the offset Alpha between the two adjacent connectors according to the upper-end distance $m1$ and the lower-end distance $n1$. In the invention, the change value of the distance between two connectors is measured by the sensor, and then the offset is calculated according to the designed

formula, and then the moving distance of the connectors is adjusted according to the offset value.



21: 2024/00885. 22: 2024/01/26. 43: 2024/08/01
51: B01J

71: HENAN UNIVERSITY OF URBAN CONSTRUCTION

72: LUO Hongyu, YU Xiuna, CHEN Zhuo, MAO Yanli, PENG Lanshi

54: CATALYST FOR DEGRADING DYE WASTEWATER AND PREPARATION METHOD THEREOF

00: -

The invention provides a catalyst for degrading dye wastewater and a preparation method thereof, and belongs to the technical field of composite photocatalyst synthesis. The catalyst for degrading dye wastewater is prepared by the following methods: mixing and grinding zinc carbonate, manganese sulfate and cobalt nitrate, roasting in air atmosphere, cooling to room temperature, washing and drying to obtain zinc oxide powder doped with manganese and cobalt, dispersing the zinc oxide powder doped with manganese and cobalt in cetyltrimethyl ammonium bromide aqueous solution, adding ethyl orthosilicate, stirring, standing and aging, filtering, washing, drying and roasting to obtain the catalyst for degrading dye wastewater. The catalyst can effectively degrade methylene blue and rhodamine B in wastewater under mild conditions, and the preparation method of the catalyst is simple, the cost is low, and it is easy to be recycled.

21: 2024/00886. 22: 2024/01/26. 43: 2024/08/01
51: B07B

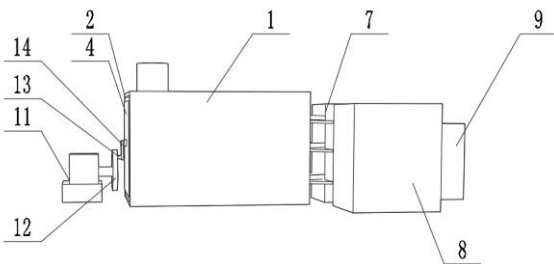
71: Henan University of Urban Construction

72: ZHANG Yongcun, WU Zhen, ZHANG Huiping, FU Hao, NI Hongmei

54: INTEGRATED SAND AND GRAVEL SORTING AND CLEANING DEVICE

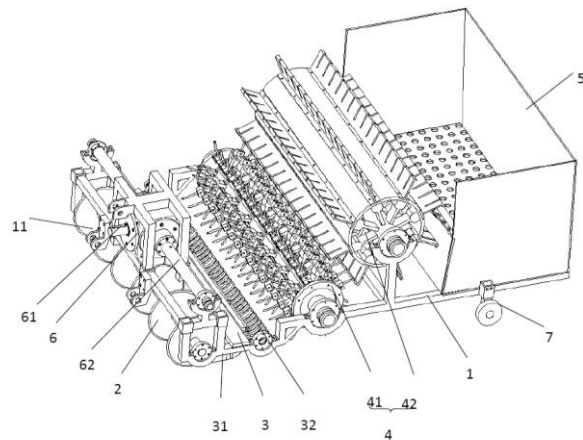
00: -

The invention provides an integrated sand and gravel sorting and cleaning device, belonging to the technical field of sand and gravel sorting, comprising a body, wherein one side of the body is provided with a first window, and the other side of the body is provided with a plurality of second windows; one side of the body is provided with a power assembly; the power assembly is connected with a mounting plate in a transmission way; the mounting plate is connected with the first window in a sliding way; one end of the mounting plate at the inner side of the body is hinged with a plurality of filter plates; the filter plates are obliquely arranged; the filter plates are arranged with the body in a sliding way. The filter plate extends out of the second window and is connected with both sides of the second window in a sliding way; the filter plate is connected with the bottom end of the second window through a plurality of springs; one side of the body is communicated with a collection box; a plurality of conveying assemblies are arranged in the collection box; cleaning assemblies are arranged in the conveying assemblies; the cleaning assemblies are communicated with a water supply tank; the outlet of the conveying assemblies is communicated with a recovery box; and a collection drawer is detachably connected in the recovery box. The invention can improve the sorting effect of sand and gravel, and at the same time, the sorted sand and gravel can be cleaned synchronously.



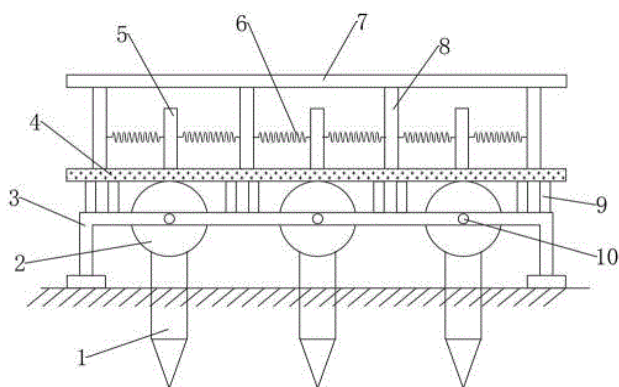
21: 2024/00891. 22: 2024/01/26. 43: 2024/08/01
 51: A01B
 71: Northwest A & F University
 72: Yang Qinghua, Feng Baili, Gao Xiaoli, Aliaksandr Ivanistau, Yang Pu, Gao Jinfeng, Wang Honglu, Liang Jibao, Li Jiang
54: SPRING-TOOTH TYPE RESIDUAL FILM PICKUP RECYCLING MACHINE
 00: -

The present invention discloses a spring-tooth type residual film pickup recycling machine, including: a frame; a film cutting device arranged on a front side of the frame; a shovel screen mounting bracket fixed on the frame and disposed on a rear side of the film cutting device, shovels and screen plates being respectively mounted on the front and rear sides of the shovel screen mounting bracket; a residual film receiving-transferring device provided on the frame and disposed on a rear side of the screen plates, and configured to receive residual films on the screen plates; a residual film recycling bin fixed on a rear side of the frame and disposed on the rear side of the residual film receiving-transferring device, and configured to recycle residual films on the residual film receiving-transferring device. Since the spring-tooth type residual film pickup recycling machine is equipped with shovels and screen plates, soil on residual films can first be screened and removed before the residual films are collected, thereby improving the cleanliness of the recycled residual films.



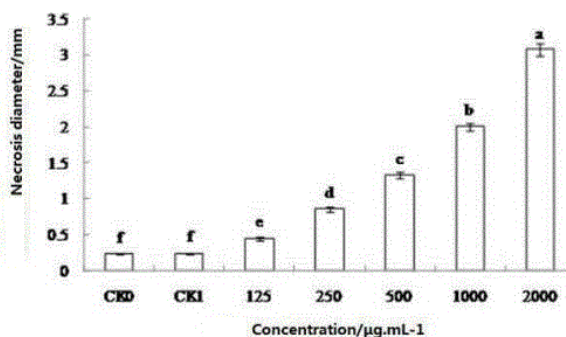
21: 2024/00892. 22: 2024/01/26. 43: 2024/08/01
 51: E04H
 71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
 72: ZHAO Jin, WANG Yi, WU Hairong, QU Songzhao, YOU Peibo, LI Peng, GUO Pinggong, XUE Na, MA Zhengwei, ZHENG Chao
54: PREFABRICATED EARTHQUAKE-RESISTANT STRUCTURE FOR CIVIL ENGINEERING AND EARTHQUAKE-RESISTANT METHOD THEREOF
 00: -

The invention belongs to the technical field of building earthquake-resistant facilities, in particular to a prefabricated earthquake-resistant structure for civil engineering and an earthquake-resistant method thereof, which comprises a prefabricated frame, wherein at least three rotating columns are arranged side by side in the middle of the prefabricated frame, elastic rubber columns are arranged between two adjacent rotating columns at intervals, supporting prefabricated plates are arranged at the tops of the rotating columns and the elastic rubber columns, a plurality of fixed plates are arranged at the tops of the supporting prefabricated plates, a buffer plate is arranged at the top of the rotating columns, a spring is arranged between the buffer plate and the fixed plate, and a building ground floor is arranged at the top of the buffer plate and the fixed plate; according to the invention, springs and elastic rubber columns are arranged on the prefabricated frame at the bottom of the building, so that underground longitudinal and transverse seismic waves can be absorbed earlier, and good shock absorption and earthquake resistance effects are achieved; and the prefabricated frame is integrally formed with the elastic rubber columns and springs on the prefabricated frame, and can be alternately arranged as a unit vertically and horizontally as a base at the bottom of the building layer, so that seismic waves from all directions can be fully absorbed.



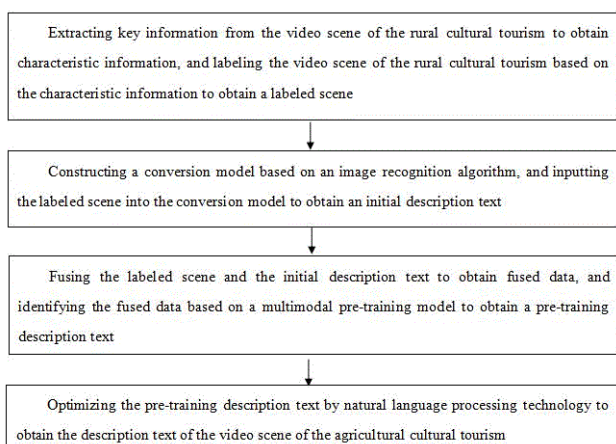
21: 2024/00896. 22: 2024/01/26. 43: 2024/08/01
 51: A01G
 71: JINGGANGSHAN UNIVERSITY
 72: ZHOU Bing, YAN Xiaohong, LIAO Da, LIAO Xinjun, SU Qitao
54: METHOD FOR CONTROLLING EXOTIC WEEDS BY ALTERNARIA ALTERNATA

00: -
 The invention discloses a method for controlling exotic weeds by *Alternaria alternata*, which includes the preparation of liquid culture medium, the cultivation of *A. alternata*, the preparation of *A. alternata* toxin and the application of *A. alternata* toxin. The prepared active toxin is prepared into a mixed solution with the concentration of 125-2000 microgram/mL, and sprayed on *Alternanthera philoxeroides*, so that *A. philoxeroides* shows obvious toxic symptoms within 3 days, kills weeds, and coexists with most *A. philoxeroides*. The method of the invention has the advantages of simple liquid culture operation, easy acquisition of culture matrix materials, simple required equipment, strong stability of used toxins, simple extraction and purification process, and mass production; the adjuvant has a strong synergistic effect on the toxin. The toxin is sprayed on the stems and leaves, which is convenient to use. It can not only effectively kill the target weed *A. philoxeroides*, but also kill most symbiotic weeds, which has high environmental safety.



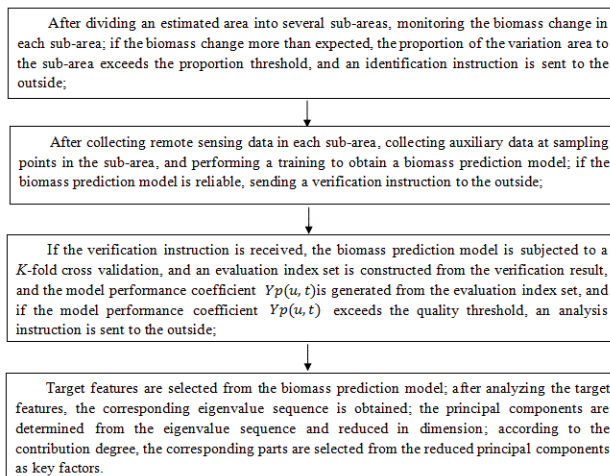
21: 2024/00897. 22: 2024/01/26. 43: 2024/08/01
 51: G06F
 71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
 72: HUANG Wei, REN Huijuan, YOU Peibo, TANG Xihui, DU Juan, JIANG Pengle, SHI Chungu
54: DESCRIPTION TEXT GENERATION METHOD FOR VIDEO SCENES OF RURAL CULTURAL TOURISM
 00: -
 The invention discloses a description text generation method for video scenes of rural cultural tourism, belonging to the technical field of rural cultural tourism promotion, and comprises the following steps: extracting key information from the video scene of the rural cultural tourism to obtain

characteristic information, and tagging the video scene of the rural cultural tourism based on the characteristic information to obtain a tagged scene; constructing a conversion model based on an image recognition algorithm, and inputting the labeled scene into the conversion model to obtain an initial description text; fusing the labeled scene and the initial description text to obtain fused data, and identifying the fused data based on a multimodal pre-training model to obtain a pre-training description text; optimizing the pre-training description text by natural language processing technology to obtain the description text of the video scene of the agricultural cultural tourism. The invention can be easily indexed by the search engine by converting the video scene of the rural cultural tourism into the description text, so that the visibility in the search results is improved and the online exposure of the rural cultural tourism scenic spot is improved.



21: 2024/00904. 22: 2024/01/26. 43: 2024/08/15
 51: G06F
 71: Institute of Forest Resource Information Techniques CAF
 72: Hou Ruixia, Sun Wei, Mao Yanxin, Cao Shanshan, Li Quansheng, Zhang Zhiyong
 33: CN 31: 202410023505.3 32: 2024-01-08
54: METHOD FOR IDENTIFYING KEY FACTORS OF FOREST BIOMASS ESTIMATION BASED ON MULTI-MODAL DATA FUSION
 00: -
 The invention discloses a method for identifying key factors of forest biomass estimation based on multi-modal data fusion, and a biomass prediction model is obtained through the training if the biomass change exceeds the expected variation area and the

proportion of the sub-area exceeds the proportion threshold; if the biomass prediction model is reliable, performing a K-fold cross-validation on the biomass prediction model, constructing an evaluation index set from the verification result, and generating a model performance coefficient from the evaluation index set; if the performance coefficient of the model exceeds the quality threshold, the target features are screened out from the biomass prediction model; after analyzing and processing the target features, the corresponding eigenvalue sequence is obtained, the principal component is determined from the eigenvalue sequence and reduced in dimension, and the corresponding part is selected as the key factor from the reduced principal component according to the contribution degree. The method can gradually narrow the scope of key factor identification, improve the efficiency of identification, and make the selected key factors more reliable, thus solving the problems in the background technology.



21: 2024/00934. 22: 2024/01/29. 43: 2024/08/01
 51: H01M
 71: Kunming University of Science and Technology
 72: MENG Qi, SU Yongyou, DONG Peng, FEI Zitong
54: METHOD FOR EXTRACTING LITHIUM ELEMENT FROM WASTE LITHIUM-ION BATTERIES
 00: -
 The invention discloses a method for extracting lithium element from waste lithium-ion batteries, which comprises the following steps: adding ternary anode materials and ball milling agents of waste lithium-ion batteries into a plasma ball mill, ball milling in a protective atmosphere, putting plasma

ball milling products into ultrapure water at room temperature, carrying out ultrasonic water immersion, carrying out vacuum filtration separation after ultrasonic water immersion, and adding saturated Na_2CO_3 solution into the leachate to prepare the battery material Li_2CO_3 ; leaching residue, glucose and ultrapure water are mixed for hydrothermal reaction, after hydrothermal reaction is completed, an intermediate product of the lithium-sulfur anode material is obtained by vacuum filtration, and the intermediate product is carbonized at low temperature to prepare the lithium-sulfur anode material; the method of the present invention is simple and easy to implement, with short reaction time, low reaction temperature, systematic recovery of valuable metals in batteries, green and environmental protection, and can be applied on a large scale.

21: 2024/00936. 22: 2024/01/29. 43: 2024/08/01
51: H01M

71: Kunming University of Science and Technology

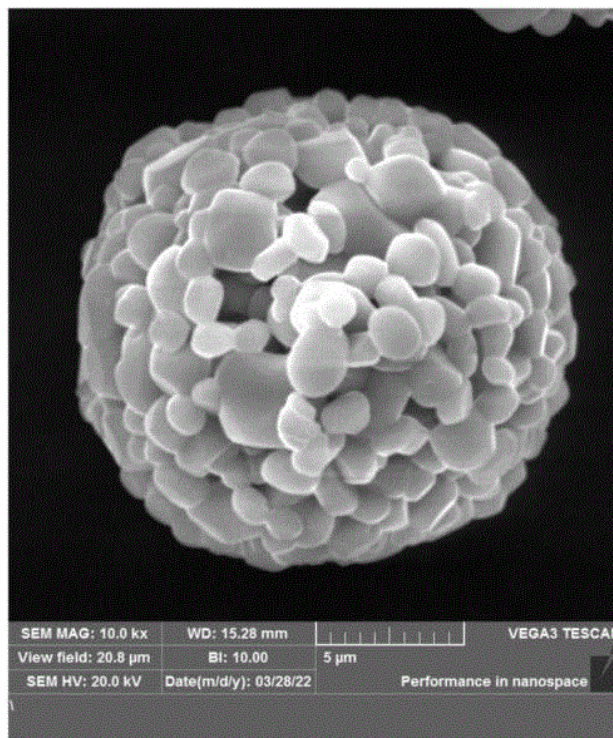
72: MENG Qi, FEI Zitong, DONG Peng, ZHANG Yingjie

54: COMPOSITE SULFUR-BASED REDUCING AGENT AND APPLICATION THEREOF IN PREPARING REGENERATED TERNARY LITHIUM BATTERY CATHODE MATERIAL

00: -

The invention discloses a composite sulfur-based reducing agent and its application in preparing a regenerated ternary lithium battery cathode material. According to the invention, a compound agent of iron sulfide, sodium thiosulfate and lithium sulfite is used as a reducing agent, a waste ternary lithium battery cathode material and the reducing agent are ball-milled and mixed by a specific ball-to-material mass ratio and ball milling time, roasted, and then highly selective extraction of lithium is realized by a water leaching method, and a nickel-cobalt-manganese solution, a lithium-enriched solution and ammonium oxalate are spray-granulated to obtain a regenerated spherical nickel-cobalt-manganese cathode material, and finally the regeneration of the waste ternary cathode material is realized. The method for selectively extracting lithium from the waste ternary lithium battery cathode material and preparing the nickel-cobalt-manganese regenerated cathode material is easy to operate, short-range and efficient,

the leaching rate of lithium is as high as 99.7%, and the electrochemical cycle performance of the obtained regenerated cathode material is far superior to that of the waste ternary lithium battery, thus being suitable for popularization and application.



21: 2024/00937. 22: 2024/01/29. 43: 2024/08/01
51: H01M

71: Kunming University of Science and Technology

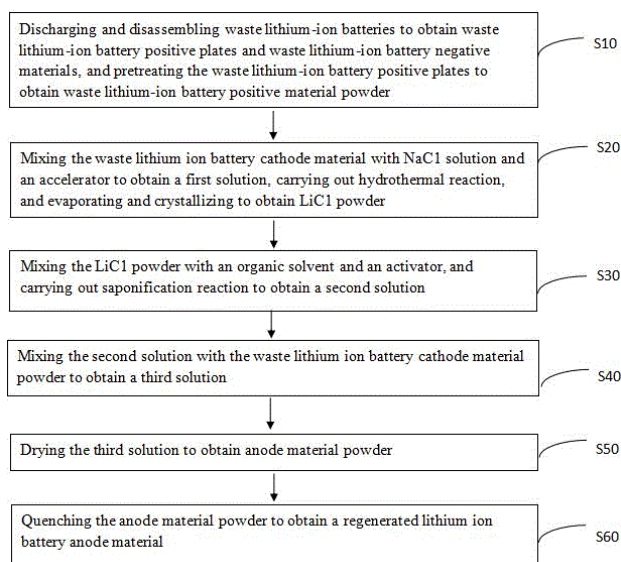
72: MENG Qi, FAN Yi, DONG Peng, FEI Zitong

54: RESOURCEFUL TREATMENT METHOD OF WASTE LITHIUM ION BATTERY CATHODE MATERIALS

00: -

The invention discloses a resourceful treatment method of waste lithium ion battery cathode materials, which comprises the following steps: discharging and disassembling waste lithium ion batteries to obtain waste lithium ion battery anode sheets and waste lithium ion battery cathode materials, and pretreating the waste lithium ion battery anode sheets to obtain waste lithium ion battery anode material powder; mixing waste lithium ion battery cathode materials with NaCl solution and accelerant to obtain a first solution, carrying out hydrothermal reaction, and evaporating and crystallizing to obtain LiCl powder; Mixing LiCl

powder with organic solvent and activator, and carrying out saponification reaction to obtain a second solution; mixing the second solution with waste lithium ion battery anode material powder to obtain a third solution; drying the third solution to obtain anode material powder; quenching the anode material powder to obtain the cathode material of the regenerated lithium ion battery. By adopting the method of the invention, the cathode material of the waste lithium ion battery can be efficiently regenerated and the excellent electrochemical performance can be restored.

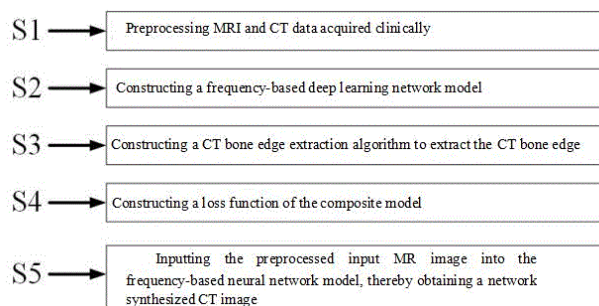


21: 2024/00938. 22: 2024/01/29. 43: 2024/08/01
51: G06K

71: The First Affiliated Hospital, Sun Yat-sen University
72: YAO Shun, WANG Zongming, HU Bin, CHEN Jinping, WANG Jiaming, TAN Yiheng, ZHANG Shaowei, LUO Yu, WANG Haijun
33: CN 31: 2023117681536 32: 2023-12-21
54: DEEP LEARNING METHOD FOR FREQUENCY-BASED SYNTHETIC CT IMAGES FROM MRI

00: -
The invention discloses a deep learning method for generating frequency-based synthetic CT images from MRI, which comprises the following steps: acquiring MRI data to be detected, inputting the MRI data to be detected into a trained frequency-based deep learning network model for processing, and obtaining a synthetic CT image; wherein, the frequency-based deep learning network model is

trained through a training set, the training set comprises preprocessed MRI data and CT data, and the frequency-based deep learning network model is constructed based on a conditional GAN framework. Compared with other synthetic neural network models, the invention reduces the synthetic errors in the high-frequency part of CT and improves the synthetic quality of CT.

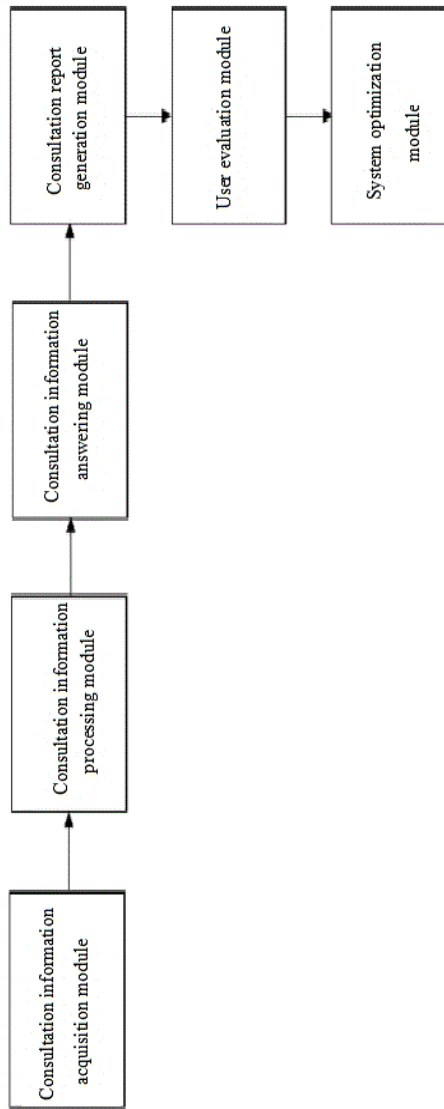


21: 2024/00939. 22: 2024/01/29. 43: 2024/08/01
51: G06F

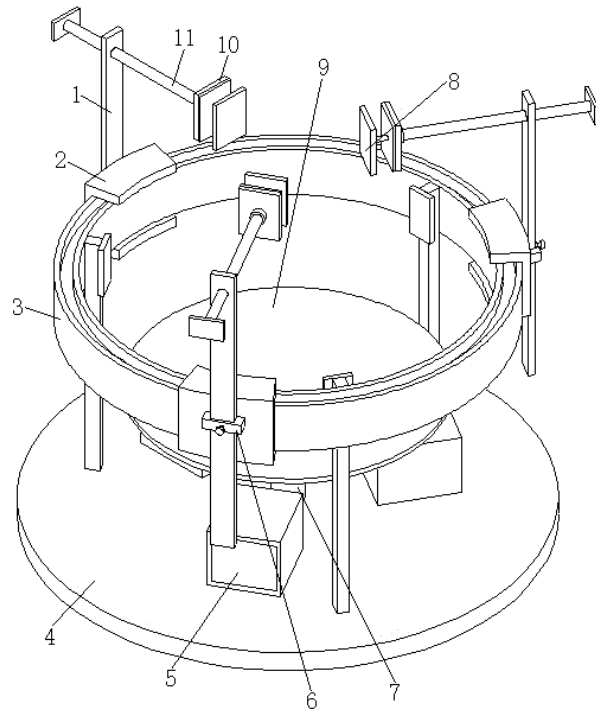
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
72: PAN Qiaohong, ZHAO Kehui, ZHANG Jiong, GAO Sheng, GU Sen, WANG Shaocheng
54: LEGAL CONSULTATION SERVICE SYSTEM FOR URBAN AND RURAL CONSTRUCTION
00: -

The invention relates to the technical field of legal consultation, in particular to a legal consultation service system for urban and rural construction, which comprises a consultation information acquisition module, a consultation information processing module, a consultation information answering module and a consultation report generation module; the consultation information acquisition module is used for acquiring consultation information related to urban and rural construction input by users; the consultation information processing module is used for extracting a plurality of key points in consultation information; the consultation information answering module is used for searching corresponding answers and suggestions in the preset legal library of urban and rural construction according to key points; the consulting report generation module is used to summarize the consultation information and corresponding answers and suggestions, generate a legal consulting report and send it to users. The invention can provide efficient and accurate legal

consulting services and more comprehensive and reliable solutions for legal problems related to urban and rural construction.



the middle of the upper end of the clamping platform, a supporting platform is arranged on the upper end of the base cylinder, a clamping ring is arranged above the supporting platform, and three groups of sliding frames are arranged on the surface of the clamping ring. The mounting plate is installed on the surface of the extrusion plate, and one end of the connecting rod on the surface is rotated to connect the clamping plate, so that the angle of the clamping plate can be adjusted, so that it can adapt to different skeletons, so that it can fit with the skeleton, improve the clamping area, and the clamping effect is better; The invention provides a holding component, so that the upper end of the clamping platform is installed on the surface of the holding box, and the tools required for design can be placed in the placing slot inside, so that the tools can be conveniently stored and placed and not easily lost, and the desiccant is placed in the groove, which can play a dehumidifying protection effect on the tools.



21: 2024/00940. 22: 2024/01/29. 43: 2024/08/01
51: B25B

71: Jiaxing Vocational and Technical College
72: Tianxing Wang

54: A MULTI-POINT CLAMPING STRUCTURAL PART FOR INDUSTRIAL DESIGN

00: -

The invention discloses a multi-point clamping structural part for industrial design, belonging to the technical field of industrial design, comprising a clamping platform, three groups of holding components are arranged outside the upper end of the clamping platform, a base cylinder is arranged in

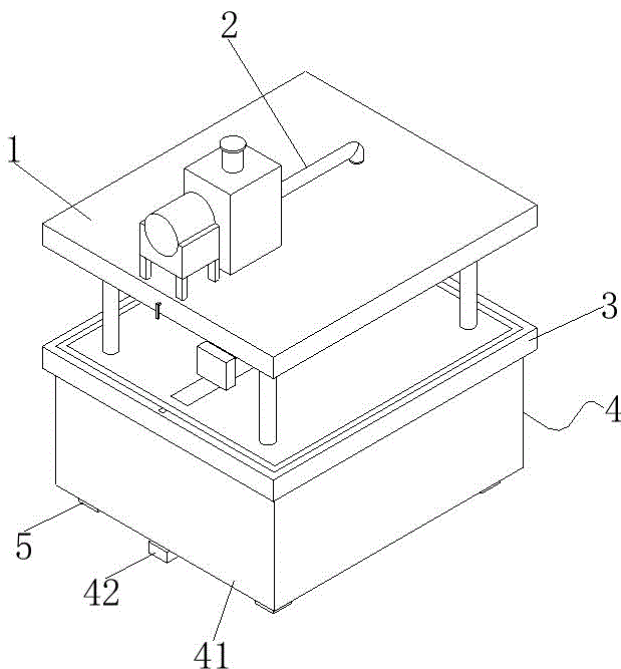
21: 2024/00942. 22: 2024/01/29. 43: 2024/08/01
51: B05B

71: Jiaxing Vocational and Technical College
72: Tianxing Wang

54: A PRODUCT COLOR SPRAYING DEVICE FOR INDUSTRIAL DESIGN

00: -

The invention discloses a color spraying device for an industrial design product, belonging to the technical field of industrial spraying, comprising a workbench, the bottom of which is connected with a bottom frame, the bottom of which is provided with a collecting component, and the inside of which is provided with a sealing component; The sealing component is arranged, the supporting rod is pulled to move in the direction of L-shaped rod, and then the sealing cover is moved upward along the installation slot. When the sealing cover is fitted to the side wall of the roof, the external block is then fitted to the side wall of the roof, and the supporting rod is loosened, and the connecting spring loses the external force to restore the original appearance, driving the supporting rod to move and insert into the clamping slot. The sealing cover can be supported and fixed, and in the subsequent spraying process, under the action of the sealing cover, the odor in the paint and the excess paint on the industrial design products after spraying can be avoided to spread to the peripheral environment, causing pollution to the surrounding environment.



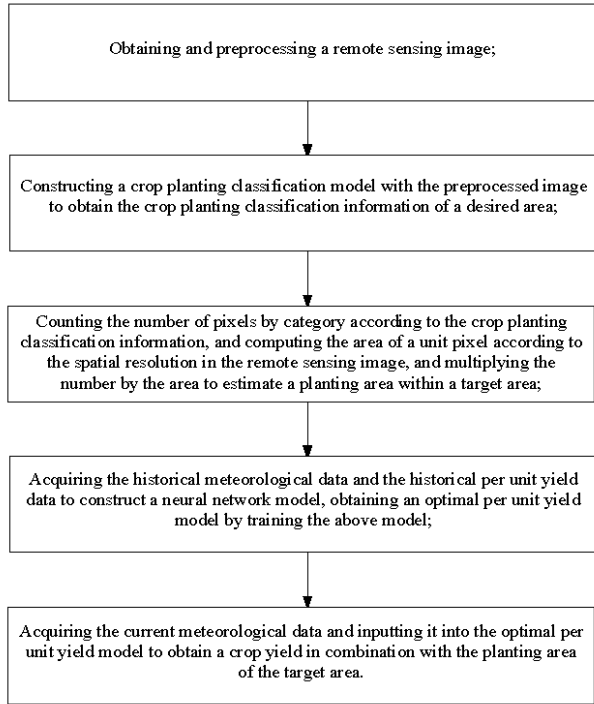
YUN, Deji, CHE, Youwei, JI, Shiyu, GUO, Jia, GUO, Shuting

54: A CROP YIELD ESTIMATION METHOD BASED ON REMOTE SENSING IMAGE AND METEOROLOGICAL DATA

00: -

The present invention discloses a crop yield estimation method based on remote sensing image and meteorological data, which is applied to the technical field of agricultural remote sensing, comprising the following specific steps: obtaining and preprocessing a remote sensing image; constructing a crop planting classification model with the preprocessed image to obtain the crop planting classification information of a desired area; estimating the planting area of a target area according to the crop planting classification information; acquiring the historical meteorological data and historical per unit yield data to obtain an optimal per unit yield model; and acquiring the current meteorological data and inputting it into the optimal per unit yield model to obtain a crop yield in combination with the planting area of the target area. The present invention overcomes the problems of insufficient ability in feature extraction, low plot extraction accuracy existed in the traditional methods. By constructing an optimal per unit yield model through meteorological data, the planting area can be determined through remote sensing data, finally, the crop yield can be calculated; the accuracy of crop yield estimation by remote sensing is improved by multi-source remote sensing information infusion and mutual confirmation.

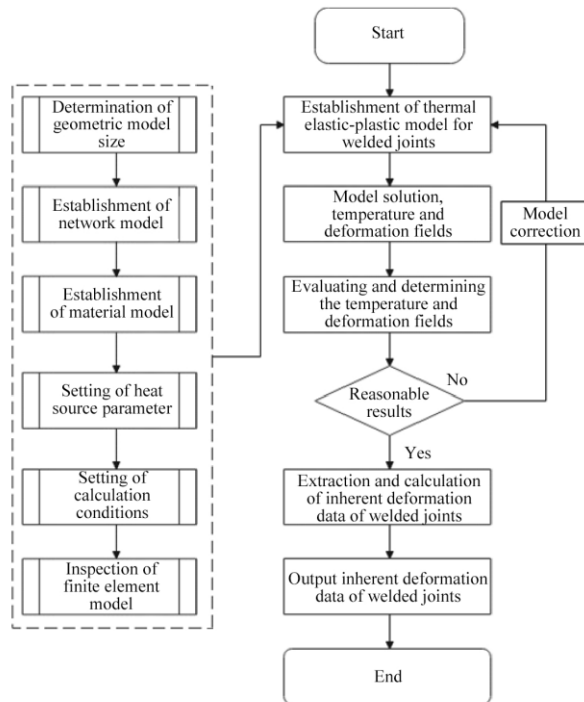
21: 2024/00943. 22: 2024/01/29. 43: 2024/08/05
51: G01N; G06Q
71: BAO, Junwei
72: BAO, Junwei, WU LAN, Tuya, GUO, Baomin,
WANG, Baolin, HOU, Zhihui, Tingting REN, WU



21: 2024/00944. 22: 2024/01/29. 43: 2024/08/05
 51: G01N
 71: YANSHAN UNIVERSITY
 72: ZHANG, Liping, YUAN, Xiaoming, ZHANG, Lijie, LI, Jun, LI, Wen, BI, Jiang
 33: CN 31: 202311817157.9 32: 2023-12-27
54: CALCULATION METHOD AND SYSTEM FOR INHERENT DEFORMATION OF WELDED JOINTS
 00: -

The present invention relates to the technical field of welding deformation prediction, in particular to a calculation method and system for inherent deformation of welded joints. A calculation method for inherent deformation of welded joints of the invention, comprising: A1. Obtaining the initial parameters of typical welding joints of welded structural components; A2. Constructing a thermal elastic-plastic finite element model of welded joints; A3. Solving the thermal elastic-plastic finite element model; A4. Evaluating and determining the temperature and deformation fields solved in step S3; A5. Model correction; A6. Extracting and calculating the inherent deformation data of welded joints; A7. Output inherent deformation data of welded joints. By establishing a thermal elastic-plastic finite element model that is the same as the actual joint type, solving it, obtaining the deformation in the x, y, and z directions of the sampling points,

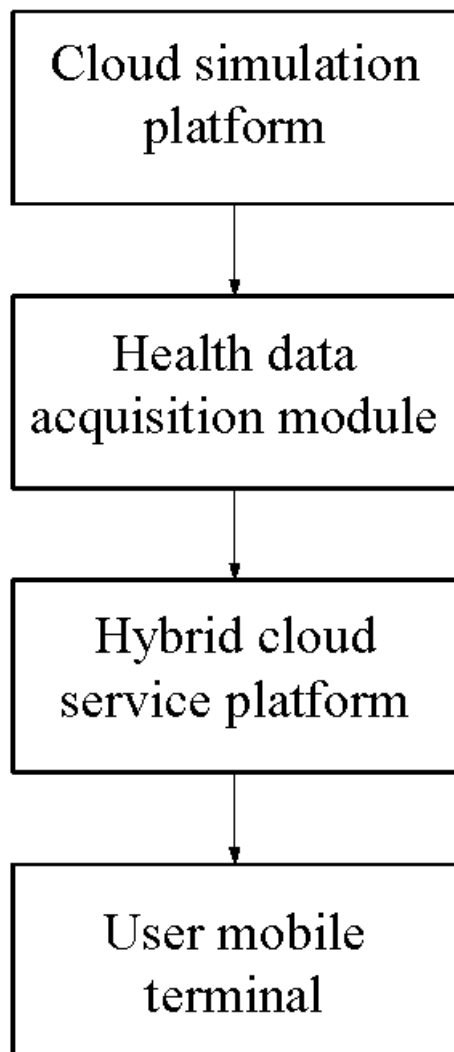
and calculating the inherent deformation of the welded joint. This method is based on the results of thermal elastic-plastic simulation to obtain the temperature and deformation fields corresponding to the welded joint, achieving high-precision acquisition of inherent deformation data while improving efficiency.



21: 2024/00945. 22: 2024/01/29. 43: 2024/08/05
 51: H04N; H04W
 71: GUIZHOU YOUNPIN SLEEP HEALTH INDUSTRY CO., LTD
 72: LIU, Enping, LUO, Guilin, YANG, Baicheng, LI, Tao
54: SYSTEM FOR MANAGING HEALTH DATA BY USING HYBRID CLOUD
 00: -

The present invention discloses a system for managing health data by using a hybrid cloud, which is applied to the technical field of data management. The present invention comprises a cloud simulation platform, a health data acquisition module, a hybrid cloud service platform and a user mobile terminal which are sequentially connected; wherein the cloud simulation platform is configured to store personal health data; the health data acquisition module is configured to acquire health data from the cloud simulation platform and upload the health data to the

hybrid cloud service platform; the hybrid cloud service platform is configured to perform health assessment on the health data uploaded by the health data acquisition module to generate a health report, and upload the health report to the user mobile terminal; and the user mobile terminal is configured to receive the health report uploaded by the hybrid cloud service platform and store the health report. The present invention changes the dilemma of conventional diagnosis and treatment models and provides technical support for health management optimization and medical service quality improvement.

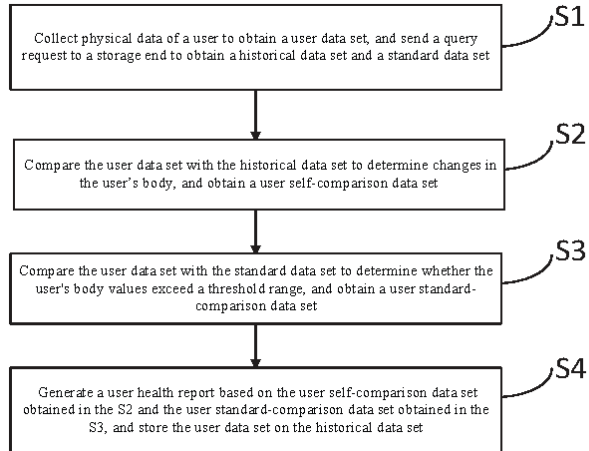
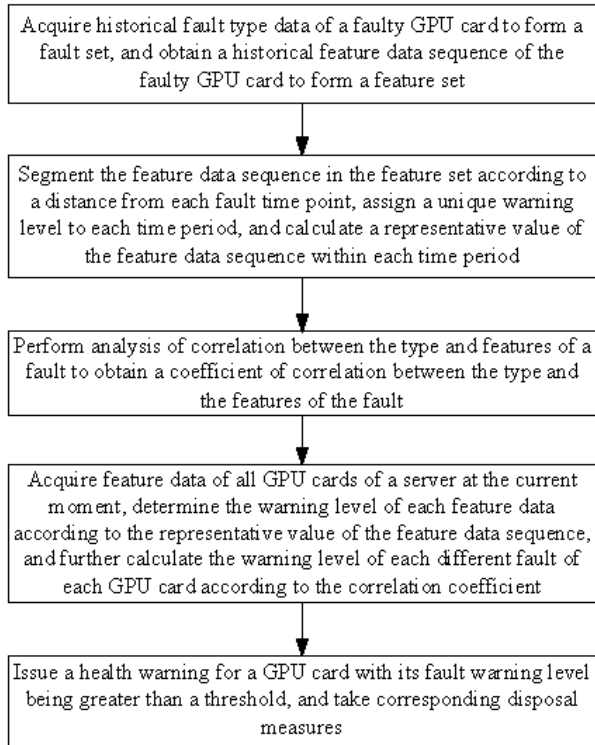


71: GUIZHOU YOU PIN SLEEP HEALTH INDUSTRY CO., LTD
 72: LIU, Enping, CAI, Pan, FENG, Xia, LIU, Sujun, LIN, Yongming

54: GPU CARD HEALTH MANAGEMENT METHOD FOR DISTRIBUTED MULTI-GPU SERVER SYSTEM

00: -
 The present invention discloses a graphic processing unit (GPU) card health management method for a distributed multi-GPU server system, and belongs to the technical field of computers. The method includes the following steps: obtaining sequences of historical fault type data and feature data of a faulty GPU card, to form a fault set and a feature set respectively; segmenting the feature data sequence according to a distance from each fault time point, dividing warning levels, and calculating a representative value of the feature data sequence within each time period; performing analysis of correlation between the type and features of a fault to obtain a coefficient of correlation between the type and the features of the fault; acquiring feature data of all GPU cards of a server at the current moment, determining the warning level of each feature data according to the representative value of the feature data sequence, calculating the warning level of each different fault of each GPU card according to the correlation coefficient, issuing a health warning for a GPU card with its fault warning level being greater than a threshold, and taking corresponding disposal measures. The present invention achieves precise monitoring and management of health statuses of GPU cards for servers, and prevents failures of GPU cards by taking proactive disposal measures.

21: 2024/00946. 22: 2024/01/29. 43: 2024/08/05
 51: H04N



21: 2024/00948. 22: 2024/01/29. 43: 2024/08/05

51: G02B; G16H

71: GUIZHOU YOU PIN SLEEP HEALTH INDUSTRY CO., LTD

72: LIU, Enping, LIU, Sujun, LIN, Yongming, WANG, Shengxiang

54: HEALTH DATA MANAGEMENT METHOD AND SYSTEM BASED ON SILICON PHOTONICS TECHNOLOGY

00: -

The present invention discloses a health data management method and system based on silicon photonics technology, and relates to the technical field of health data management. The health data management method comprises: firstly obtaining a health data acquisition instruction, and sending the instruction through a first silicon photonic transmission device; receiving the instruction and transmitting the instruction to an acquisition terminal by a second silicon photonic transmission device; acquiring user health data according to the instruction and transmitting the user health data to the second silicon photonic transmission device by the acquisition terminal, and sending out the user health data by the second silicon photonic transmission device; and receiving the user health data and transmitting the user health data to a health data management server for managing the user health data by the first silicon photonic transmission device. The present invention achieves high efficiency and low cost of the acquisition process, the transmission process and the management process of the user health data, and provides a new technical solution for health data management.

21: 2024/00947. 22: 2024/01/29. 43: 2024/08/05

51: H04L; H04N; H04W

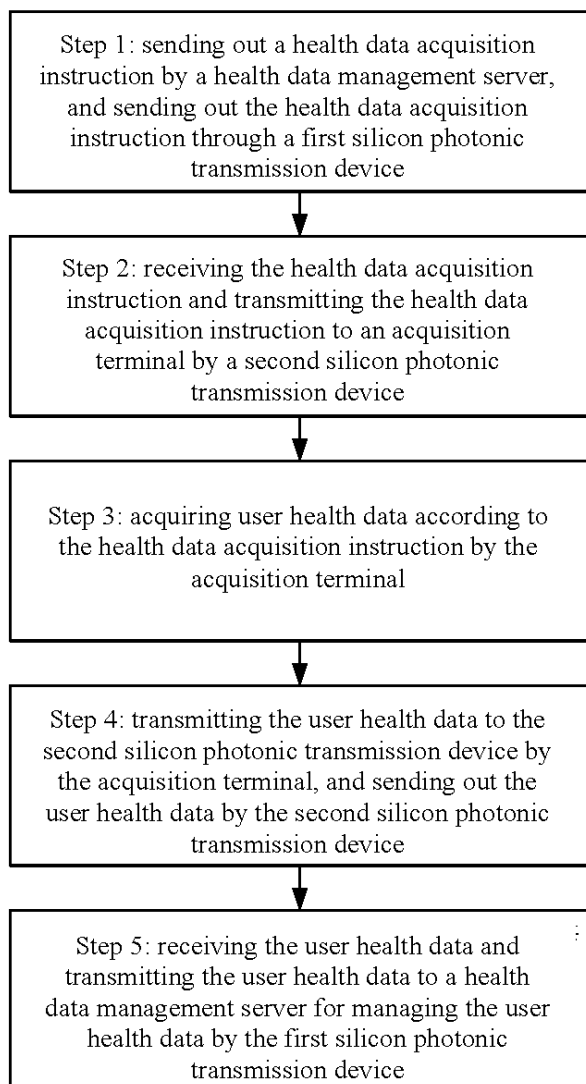
71: GUIZHOU YOU PIN SLEEP HEALTH INDUSTRY CO., LTD

72: LIU, Enping, LUO, Guilin, YANG, Baicheng, LI, Tao

54: METHOD FOR MANAGING HEALTH DATA USING TERAHERTZ TECHNOLOGY

00: -

Provided is a method for managing health data using terahertz technology, the method includes the steps of: collecting physical data of a user to obtain a user data set, and sending a query request to a storage end to obtain a historical data set and a standard data set; comparing the user data set with the historical data set and the standard data set, and obtaining a user self-comparison data set and a user standard-comparison data set; and generating a user health report based on the user self-comparison data set and the user standard-comparison data set, and storing the user data set. The present invention can obtain the user's body data in a timely and accurate manner, and is conducive to achieving closed-loop management of the user's health conditions.



21: 2024/00949. 22: 2024/01/29. 43: 2024/08/05
51: C12N; G01N

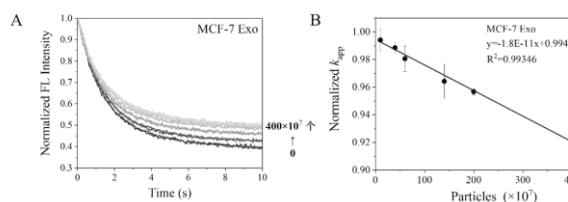
71: GUANGDONG MEDICAL UNIVERSITY
72: ZHOU, Yubin, CHEN, Huizhi, ZHU, Xiaoxian
33: CN 31: 202310825282.8 32: 2023-07-06

54: A DETECTION METHOD FOR EXOSOMES CONTAINING PTK-7

00: -

The present invention provides a detection method for exosomes containing PTK-7 protein, comprising: S1, preparation of the 4-acetamido-4'-isothiocyanate-2,2'-sulfonic acid disodium salt (SITS)-protein tyrosine kinase 7 (PTK-7) nucleic acid aptamer conjugate sensor; S2, after the PTK-7 aptamer of the SITS-PTK-7 aptamer sensor binds specifically to a series of different numbers of PTK-7 proteins on the surface of exosomes, fluorescence

decay is measure and the apparent fluorescence decay rate constant k_{app} is calculated; According to the relationship between the number of exosomes and k_{app} value, the calibration curve of the SITS-PTK-7 aptamer sensor detecting different numbers of exosomes is obtained for the detection and analysis of exosomes. The invention establishes a novel exosome detection method by utilizing the characteristics of stilbene compounds and aptamers, which may provide new inspirations for early screening, therapeutic efficacy monitoring and healing monitoring of tumor diseases in the future.



21: 2024/00957. 22: 2024/01/29. 43: 2024/06/25
51: B01J; C10G

71: QWAVE SOLUTIONS INC.

72: BADAC, Jeffrey, BOOTH, Ryan, HARRIS, Kaitlin, RALEIGH, Cliff, SCHLAEGLE, Steven, TROIANO, Richard, CONROY, Wesley

33: US 31: 63/227,406 32: 2021-07-30

54: METHODS AND SYSTEMS FOR LIQUEFACTION OF CARBONACEOUS MATERIALS

00: -

Methods for liquefaction of carbonaceous materials, including methods that use electromagnetic radiation. Systems for liquefaction of carbonaceous materials. The systems may include a circulation conduit for mixing reactants, and/or a heating apparatus that relies on electromagnetic radiation.

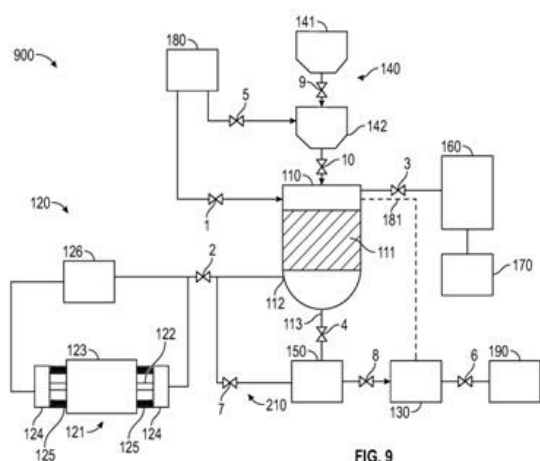


FIG. 9

21: 2024/00974. 22: 2024/01/30. 43: 2024/08/01
51: C04B

71: Ningxia Jiyuan Juntai New Material Technology Co.Ltd., Ningxia Jiyuan Metallurgical Group Co., Ltd., University of Science and Technology Beijing
72: MO Ruihao, MO Junhong, WU Pengfei, MO Junhong, WANG Jie, ZHANG Suxian, QIU Zhiqiang, ZHANG Yanbin, WANG Zhiqing, YANG Jiaqing
33: CN 31: 202311452813X 32: 2023-11-03

54: SILICON-MANGANESE SLAG-BASED LOW-CARBON CEMENTITIOUS MATERIAL FOR RECYCLING INDUSTRIAL SOLID WASTES AND PREPARATION METHOD THEREOF

00: -

The invention discloses a silicon-manganese slag-based low-carbon cementitious material for recycling industrial solid wastes and a preparation method thereof, belonging to the technical field of cementitious materials, comprising the following components in parts by mass: 40-160 parts of silicon-manganese slag micropowder, 0-160 parts of blast furnace slag micropowder, 10-20 parts of carbide slag micropowder, 20-40 parts of by-product gypsum micropowder and 0-1 part of admixture. The preparation method comprises the following steps: drying and grinding silicon-manganese slag and blast furnace slag, and uniformly mixing to obtain mixed micropowder; the carbide slag and by-product gypsum are dried, ground for 5-15 min, and then evenly mixed with water reducer and mixed micropowder to obtain the silicon-manganese slag-based low-carbon cementitious material. The silicon-manganese slag-based low-carbon cementitious material prepared by the invention has better cementing characteristics and high strength, is

suitable for replacing ordinary cement and preparing cement mortar, concrete, filling materials and the like, and can also effectively solidify heavy metals in solid waste, thereby reducing the risk of environmental pollution.

21: 2024/00975. 22: 2024/01/30. 43: 2024/08/01
51: C04B

71: Ningxia Jiyuan Juntai New Material Technology Co.Ltd., Ningxia Jiyuan Metallurgical Group Co.,Ltd., University of Science and Technology Beijing
72: MO Ruihao, MO Junhong, WU Pengfei, MO Junhong, ZHANG Suxian, WANG Jie, QIU Zhiqiang, ZHANG Yanbin, WANG Zhiqing, YANG Jiaqing
33: CN 31: 202311445293X 32: 2023-11-02

54: LOW-CARBON CEMENTITIOUS MATERIAL, PREPARATION METHOD AND APPLICATION THEREOF

00: -

The invention discloses a low-carbon cementitious material and a preparation method and application thereof, and relates to the technical field of concrete. The invention is prepared by mixing steel slag micropowder, desulfurized gypsum micropowder, slag micropowder and silicon-manganese slag micropowder according to a proper proportion, and then mixing with fine aggregate, coarse aggregate, fiber, water and admixtures. The fiber concrete has the advantages of low carbon, environmental protection, low cost and high mechanical strength, and meets the national standards.

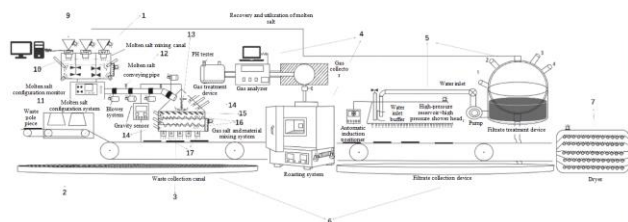
21: 2024/00976. 22: 2024/01/30. 43: 2024/08/01
51: B09B

71: Kunming University of Science and Technology
72: MENG Qi, LUO Yun, DONG Peng, FEI Zitong
54: AUTOMATIC RECOVERY AND TREATMENT DEVICE FOR WASTE LITHIUM ION BATTERY CATHODE PIECES

00: -

The invention provides an automatic recovery and treatment device for waste lithium ion battery cathode pieces, which comprises a molten salt configuration system and a multi-layer water system dryer, wherein a molten salt configuration monitor is connected below the molten salt configuration system, one side of the molten salt configuration monitor is connected with a molten salt conveying pipe, one side of the molten salt conveying pipe is provided with a molten salt and material mixing

system; a waste pole piece cutting and transporting system is arranged below the molten salt and material mixing system; and a roasting system is arranged at one side of the molten salt and material mixing system, a waste collection channel is arranged below the waste pole piece cutting and transporting system. The automatic recovery and treatment device for waste lithium ion battery cathode pieces provided by the invention integrates automatic feeding, automatic configuration of molten salt, automatic cutting, automatic mixing of molten salt and materials, material roasting, solid-liquid separation, material collection, tail gas collection and treatment, high-pressure shower, material drying and automatic discharging, and can realize efficient separation and harmless treatment of waste lithium ion battery cathode pieces and aluminum foil plates.



21: 2024/00979. 22: 2024/01/30. 43: 2024/08/01
51: A01N

71: Panzhihua City Company Branch of Sichuan Tobacco Company, Yunnan Lvye Biological Control Technology Co., Ltd.

72: YAN, Fangfang, BAI, Jialin, PAN, Xingbing, ZHANG, Zongjin, WU, Caimi, DING, Zhengjiao, FENG, Jun, ZHANG, Yingjie, WANG, Zhengbing, YANG, Qingqing, REN, Wei

54: COMBINATION FOR CONTROLLING SOUTHERN ROOT-KNOT NEMATODES AND APPLICATION THEREOF

00: -

The present invention provides a combination for controlling southern root-knot nematodes and application thereof, which belong to the technical field of agricultural disease control. The present invention provides a combination for controlling southern root-knot nematodes. The combination includes n-pentanoic acid and calcium formate, where a molar concentration of the n-pentanoic acid is 10-3-10-1 mol/L, and a molar concentration of the calcium formate is 8-3-10-3 mol/L. In the present invention, a solvent for dissolving the n-pentanoic acid and the calcium formate is water. The present

invention selects the n-pentanoic acid and the calcium formate to control the southern root-knot nematodes, and studies show that the n-pentanoic acid and the calcium formate jointly act on the southern root-knot nematodes, such that a control effect on the southern root-knot nematodes is obviously improved, and a mortality rate of the southern root-knot nematodes is improved.

21: 2024/00980. 22: 2024/01/30. 43: 2024/08/01
51: G09F

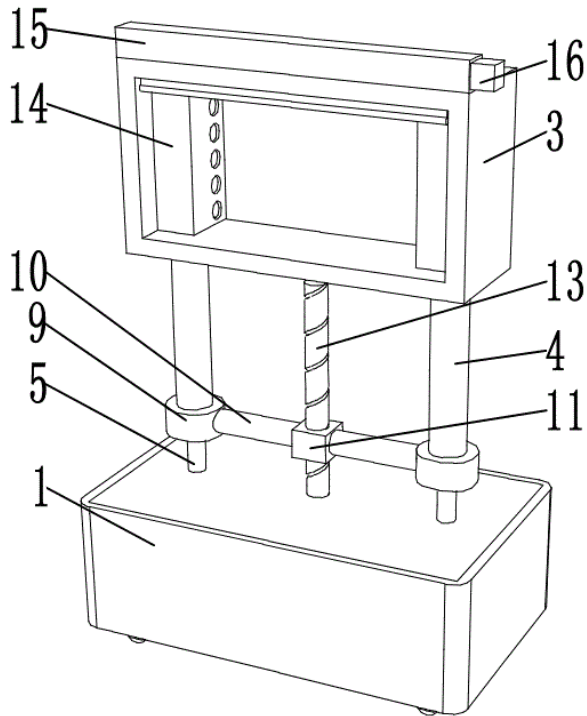
71: HENAN UNIVERSITY OF URBAN CONSTRUCTION

72: HUANG Wei, REN Huijuan, WANG Xiaoning, TANG Xihui, LI Siyuan, LI Shuting, GAO Peng

54: VISUAL COMMUNICATION DISPLAY DEVICE

00: -

The invention relates to that technical field of display devices, and discloses a visual communication display device, which comprises a shell, an air inlet shell is fixedly connected on the inner wall of the shell, a plurality of air inlet mechanisms are arranged on the outer wall of the air inlet shell, and the air inlet mechanisms communicate with the outside through the shell, and a pumping mechanism is fixedly connected on the outer wall of the other side of the air inlet shell for sucking outside air into the shell; a display shell, one side of which is set as an open end for placing or posting exhibits, is provided with sleeves fixed on both sides of the bottom surface of the display shell, and the inner wall of the sleeve is provided with an inner tube in sliding contact, and the bottom of the inner tube is fixedly connected with both sides of the top surface of the shell, and a lifting mechanism is arranged between the two sleeves, and the display shell is lifted relative to the shell through the lifting mechanism, and both sides of the inner cavity of the display shell are respectively provided with an air jet mechanism; wherein, that inner cavity of the sleeve is communicated with the air jet mechanism, the inner cavity of the inner tube is communicated with the inner cavity of the shell, and the inner cavity of the sleeve is communicated with the inner cavity of the inner tube. The invention can clean the inner cavity of the display shell by air jet.



21: 2024/00981. 22: 2024/01/30. 43: 2024/08/01

51: B01J

71: HENAN UNIVERSITY OF URBAN CONSTRUCTION

72: YU Xiuna, LUO Hongyu, CHEN Zhuo, MAO Yanli, PENG Lanshi

54: CATALYST FOR DEGRADING ORGANIC WASTEWATER AND PREPARATION METHOD THEREOF

00: -

The invention provides a catalyst for degrading organic wastewater and a preparation method thereof, belonging to the technical field of photocatalysts. The preparation method comprises the following steps: adding graphene oxide into deionized water, and carrying out ultrasonic dispersion to obtain graphene oxide dispersion; adding the graphene oxide dispersion into the mixed salt solution of copper salt and zinc salt, uniformly stirring, adjusting the pH to 10-12, adding hydrazine hydrate into the mixed solution, reacting at room temperature for 1-2h, and then washing, drying and calcining to obtain the catalyst for degrading organic wastewater; the composite photocatalyst prepared by the invention can efficiently degrade various organic pollutants in organic wastewater under the condition of visible light.

21: 2024/00982. 22: 2024/01/30. 43: 2024/08/01

51: B65G

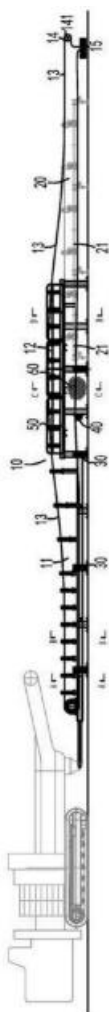
71: Ningxia Tiandi Northwest Coal Machinery Co., Ltd., National Energy Group Ningxia Coal Industry Co., Ltd.

72: FENG Baozhong, WANG Ning, LAN Chunsen, YANG Hai, TONG Jianzhong, WANG Hao, MAI Lin, YANG Ping, MA Yupeng, MA Liwei, YANG Jie, ZHANG Cheng, HU Qiulin

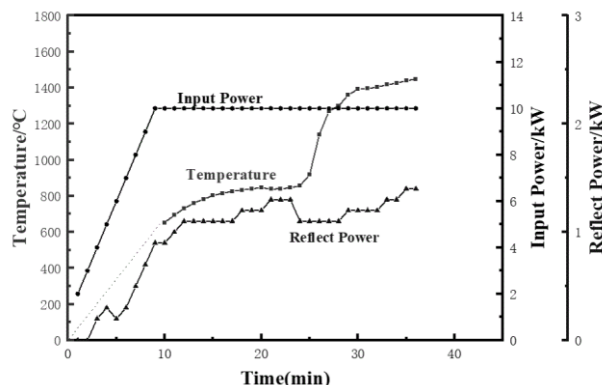
54: BELT CONVEYOR FOR DISMOUNTING AND MOUNTING SINGLE SUPPORT FRAME WITHOUT STOPPING

00: -

A belt conveyor for dismounting and mounting a single support frame without stopping is provided, the conveyor comprises a first conveying part and a second conveying part, where the first conveying part comprises a dismounting and mounting tail unit and a dismounting and mounting support frame unit, the dismounting and mounting tail unit and the dismounting and mounting support frame unit are rigidly connected end to end, and the dismounting and mounting support frame unit is located on the right side of the dismounting and mounting tail unit, the second conveying part is arranged on the right side of the dismounting and mounting support frame unit of the first conveying part, and comprises a plurality of unit support frames which are arranged side by side and connected end to end, the first conveying part and the second conveying part composed of a plurality of unit support frames cooperate with each other to form a complete conveying cycle, by using external force to make the first conveying part and the second conveying part move relatively, the modular unit support frame pre-installed in the first conveying part becomes a normal conveying unit support frame, which effectively realizes the rapid increase or decrease of conveyor unit support frames under the condition that the belt conveyor does not stop through increasing or reducing unit support frames, automatically realizes the expansion and contraction of the conveyor, and improves the working efficiency of the whole fully mechanized mining face.



rough body, and performing microwave sintering on the rough body at 1000-1500°C to obtain cement clinker. The present invention provides a method for large-scale preparation of cement clinker by microwave, which effectively reduces the synthesis cost of mineral materials for traditional cement clinker, and improves the synthesis efficiency. In addition, the sintering method is short in time, high in yield, good in repeatability, and low in the cost of scale preparation, which is particularly suitable for industrialization and scale production needs



21: 2024/01006. 22: 2024/01/31. 43: 2024/08/05
51: C12N

71: Jiangsu Vocational College of Medicine
72: CHEN, Yuping, SHU, Anmei, WANG, Jiamei, CHRIS, Shaw, CHEN, Tianbao, ZHU, Shibing, SHEN, Xinya, HUANG, Han, JIN, Chuli

54: METHOD FOR PREPARING ANTIBACTERIAL SUBSTANCE OF BULLACTA EXARATA, AND APPLICATION

00: -

The present invention provides a method for preparing an antibacterial substance of bullacta exarata, and application, and belongs to the technical field of antibacterial substance preparation. The method for preparing an antibacterial substance of bullacta exarata according to the present invention can stably obtain the antibacterial substance of the bullacta exarata, and has a function of promoting healing of skin ulcers of a diabetic mouse. The preparation method of the present invention is simple and easy to operate, and can stably obtain the antibacterial substance of the bullacta exarata and antibacterial peptide having an obvious antibacterial effect.

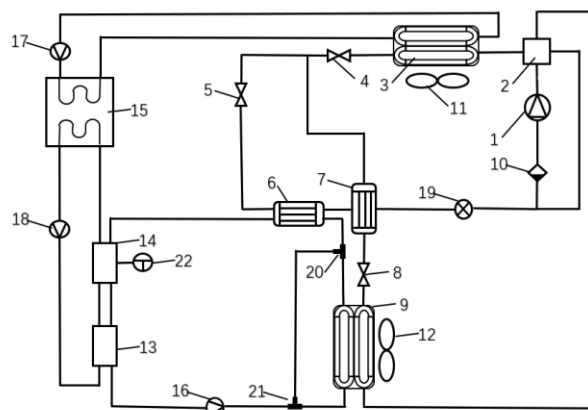
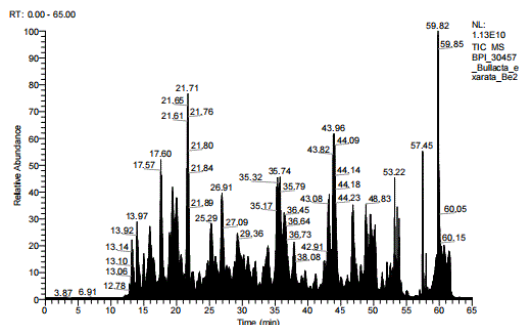
21: 2024/00984. 22: 2024/01/30. 43: 2024/08/02
51: C04B

71: Zhengzhou University of Aeronautics
72: Guan Li, Zhang Rui, Wang Hailong, Wang Gaoyuan, Song Bozhen, Fu Ruijie, Zhang Xinyue, Wang Xulei, Fan Bingbing, Min Zhiyu, Dong Binbin
33: CN 31: 202310054840.5 32: 2023-02-03

54: CEMENT CLINKER PREPARED BY MICROWAVE ON LARGE SCALE AND PREPARATION METHOD THEREOF

00: -

The present invention relates to the technical field of production of cement clinker by microwave sintering, in particular to cement clinker prepared by microwave on a large scale and a preparation method thereof. The preparation method includes the following steps of: taking CaCO₃ powder and SiO₂ powder as raw materials for preparation, adding a sintering aid for mixing uniformly to obtain mixed powder, pre-pressing the mixed powder into a



21: 2024/01007. 22: 2024/01/31. 43: 2024/08/05
51: B60L

71: SHANGHAI UNIVERSITY OF ENGINEERING TECHNOLOGY

72: GUO, Yun, YUAN, Weijian, SHEN, Jun, WU, Tao, PENG, Haiyong, ZHANG, Haibo

54: BATTERY THERMAL MANAGEMENT SYSTEM FOR ELECTRIC AUTOMOBILE AIR CONDITIONER

00: -

Disclosed is a battery thermal management system for an electric automobile air conditioner, which is applied to the technical field of air conditioners of new energy electric vehicles. The system includes a refrigerant circuit, a coolant circuit and a heat storage circuit, where the refrigerant circuit is connected to the coolant circuit through an outdoor heat exchanger and a battery heat exchanger, the coolant circuit is connected to the heat storage circuit through a motor and a battery pack, and the heat storage circuit is connected to the refrigerant circuit through an indoor heat exchanger. The present invention achieves cooling and preheating of the battery pack and the motor through three circuits, improves energy utilization efficiency while recovering heat, and ensures that the battery pack and the motor are capable to keep working at appropriate temperature for a long time.

21: 2024/01008. 22: 2024/01/31. 43: 2024/08/05
51: H04W

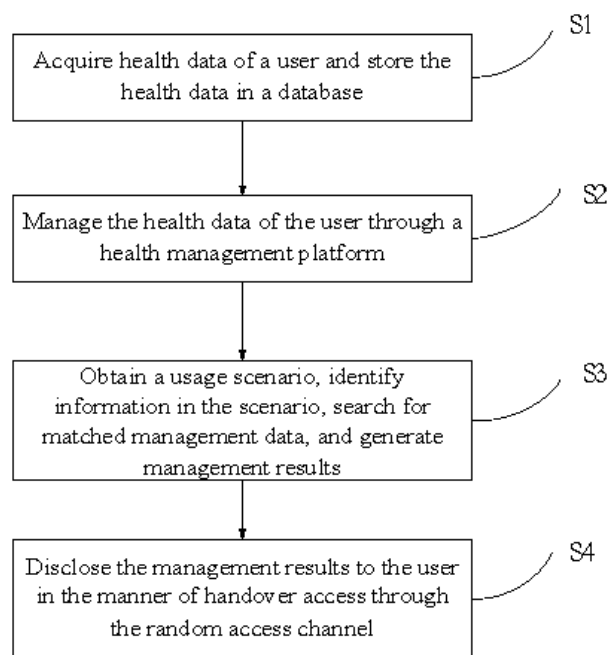
71: GUIZHOU YOUNPIN SLEEP HEALTH INDUSTRY CO., LTD

72: LIU, Enping, LIU, Yidi, TAN, Ping, LIU, Sujun, WANG, Shengxiang

54: METHOD FOR HEALTH DATA MANAGEMENT BASED ON HANDOVER ACCESS THROUGH RANDOM ACCESS CHANNEL

00: -

Provided is a method for health data management based on handover access through a random access channel. The method includes the following steps: acquiring health data of a user and storing the health data in a database; managing the health data of the user through a health management platform; obtaining a usage scenario, identifying information in the scenario, searching for matched management data, and generating management results; and disclosing the management results to the user in the manner of handover access through the random access channel. The present invention, based on the handover access through the random access channel, ensures that on a wireless interface, a terminal requesting handover access at any time is capable to obtain wireless channel resources of a target base station in the manner of random access, which facilitates convenient query and fast use of health information by the user, thereby improving the user's experience.



21: 2024/01009. 22: 2024/01/31. 43: 2024/08/05
51: B01J

71: Guizhou Medical University
72: GONG Zipeng, HUANG Yuanxing, JIN Yang, CHEN Yi, CHEN Siying, PENG Jianqing, ZHENG Lin, HUANG Jing

54: A METHOD FOR SIMULTANEOUSLY MEASURING THE CONTENT OF FIVE NEUROTRANSMITTERS

00: -
This invention relates to a method for simultaneously determining the levels of five neurotransmitters, belonging to the field of drug detection technology. In this method, the test samples undergo determination using high-performance liquid chromatography-electrospray-tandem mass spectrometry. The neurotransmitters involved are glutamate, gamma-aminobutyric acid (GABA), aspartate, valine, and serotonin. By specifically defining chromatographic and mass spectrometric conditions, this invention utilizes the HPLC-MS/MS method to accurately measure the levels of these five neurotransmitters simultaneously. This provides technical support for the development of drugs aimed at treating brain ischemia-reperfusion injury from the perspective of neurotransmitter research.

21: 2024/01010. 22: 2024/01/31. 43: 2024/08/05

51: A23L
71: Taishan Academy of Forestry Sciences, Tai'an City, Shandong Institute of Pomology
72: ZHANG Chunxiang, MENG Haifeng, SUN Zhongkui, LIU Lu, XUE Xiaomin, QIN Ning, YU Yongchang

54: FRUIT PICKLING METHOD AND ITS APPLICATION IN KATY APRICOT

00: -
The invention relates to a fruit pickling method and its application in Katy apricot, which comprises the following steps: cutting apricot fruit without hard core into petals, carrying out anti-oxidation treatment to obtain intermediate apricot fruit I, carrying out astringency treatment to obtain intermediate apricot fruit II, carrying out pickling treatment to obtain terminal apricot fruit, and putting the terminal apricot fruit into a bottle for storage. Because of the design of astringency treatment and pickling treatment, the fresh-keeping of apricot fruit without hard core is realized, so that apricot fruit without hard core is no longer rotted under abandoned fruit trees, so the fresh-keeping storage of young apricot fruit is realized.

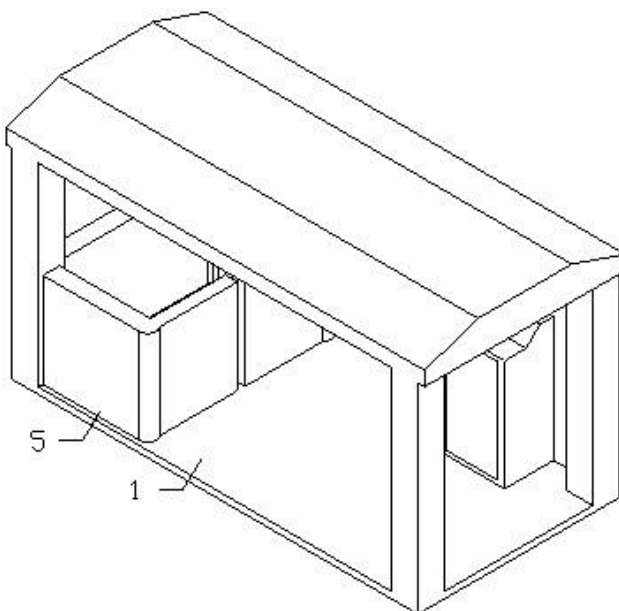


21: 2024/01011. 22: 2024/01/31. 43: 2024/08/05
51: B01J

71: Henan University of Urban Construction
72: HUA Chunfei, NING Yunfei, ZHANG Renqi
54: MAGNETIC CARBON NANOCOMPOSITE AND PREPARATION METHOD THEREOF

00: -
The invention provides a magnetic carbon nanocomposite and a preparation method thereof,

and belongs to the technical field of electromagnetic materials. In the invention, ethylenediamine is used as a carbon source and a nitrogen source, and nitrogen-doped carbon nanotubes are prepared by a chemical vapor deposition method under the action of a catalyst; dispersing the nitrogen-doped carbon nanotubes in water to obtain dispersion, adding stannic chloride pentahydrate and stirring, then adding magnetic metal salt, then adding concentrated hydrochloric acid and adjusting the pH value to 8-9 with concentrated ammonia water, and carrying out hydrothermal reaction to obtain the magnetic carbon nanocomposite. The prepared magnetic carbon nanocomposite is light in weight, good in conductivity and chemical stability, can be used in the field of electromagnetic wave absorption, and have excellent microwave absorption performance, and are suitable for large-scale popularization and application.



21: 2024/01013. 22: 2024/01/31. 43: 2024/08/05
51: A01K

71: NORTHWEST A&F UNIVERSITY
72: SONG, Yuxuan, ZHANG, Lei, LIU, Xiaorui, YUAN, Hao, LI, Danni, CUI, Jiuzeng, MA, Yingtian
54: SPECIFIC WAVELENGTH LIGHT CONTROL DEVICE FOR IMPROVING ESTRUS OF DAIRY SHEEP AND CONTROL METHOD THEREOF
00: -

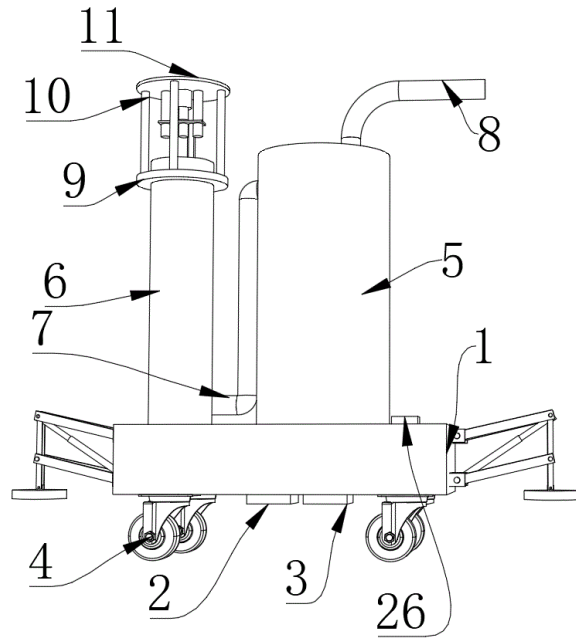
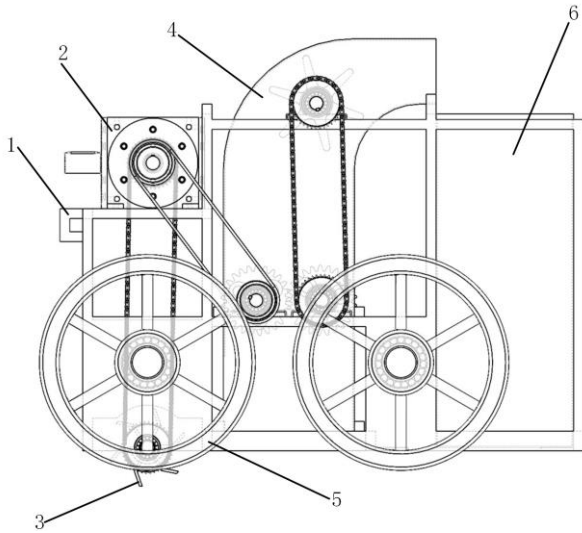
Disclosed is a specific wavelength light control device for improving an estrus of dairy sheep and a control method thereof. The control device comprises a base; a bracket is arrayed at four top corners of the base; the top end of the base is provided with a shielding plate; the top end of the base is provided with a console; a specific wavelength light control module is arranged inside the console; the bottom end of the shielding plate is fixed with a long light spotlight; the top end of the base is provided with a fence; and the fence is provided with a gate. The invention edits the specific wavelength light through the console, pushes the sheep into the fence, starts the long light spotlight, and irradiates the sheep by the spotlight using specific wavelength light to make the rams and the ewes rut and reproduce at the same time.

21: 2024/01014. 22: 2024/01/31. 43: 2024/08/05
51: B07B

71: NORTHWEST A&F UNIVERSITY
72: FENG, Baili, LI, Jiang, YANG, Qinghua, XU, Liang, LIANG, Jibao, GAO, Xiaoli, WANG, Honglu, ALIAKSANDR, Ivanistau

54: PNEUMATIC FILM IMPURITY SEPARATION AND RESIDUAL FILM RECYCLING MACHINE
00: -

Disclosed is a pneumatic film impurity separation and residual film recycling machine, including a rack. A gearbox is arranged on a left side of a top of the rack with a drive wheel arranged at a front end thereof; a film digging mechanism is arranged at a bottom on a left side of the rack, and includes a drive wheel and a film digging blade which makes a contact to the ground; a transmission chain connects the two drive wheels; a negative pressure box and a film collection box is arranged on the rack; a first negative pressure wheel is arranged at an inner cavity of the negative pressure box, and blocks the inner cavity at this position. In the solution, secondary negative pressure pneumatic conveying is used to achieve effective film impurity separation outside the machine, so as to prevent soil blocks or crop residues from entering the machine.



21: 2024/01015. 22: 2024/01/31. 43: 2024/08/05
51: A61M

71: Jiaozuo People's Hospital
72: Chen Linlin, Wang Huahua, Li Zhiguo, Liu Miao, Zhang Yuanying, Zhang Mengmeng, Cui Huiting, Fan Hui, Zhao Naikuo

54: ABDOMINAL CAVITY DRAINAGE BOTTLE FOR DIGESTIVE TUMOR INTERNAL MEDICINE

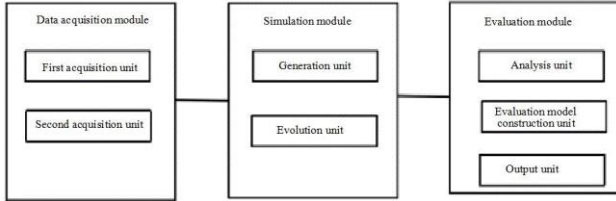
00: -
Disclosed is an abdominal cavity drainage bottle for digestive tumor internal medicine, including a base. A top of the base is fixedly connected to a bottle body, an upper end of the bottle body is penetrated by and fixedly connected to a liquid guide pipe, and a top of a left side of the base is fixedly connected to a pipeline. According to the present invention, and the base and a hydraulic cylinder stabilize the device and avoid tilting. A liquid position is detected by a liquid-level sensor, and the internal liquid is detected by an alarm. At the same time, when an exudate in the bottle body reaches a certain amount and the bottle body is toppled, the nursing staff does not need to stare at the above situations at any time, thereby improving the clinical nursing efficiency.

21: 2024/01016. 22: 2024/01/31. 43: 2024/08/05
51: G01N

71: Huzhou Vocational and Technical College
72: NIU Jiangrui, CHEN Liangliang, SUN Lu, SU Yingqiang

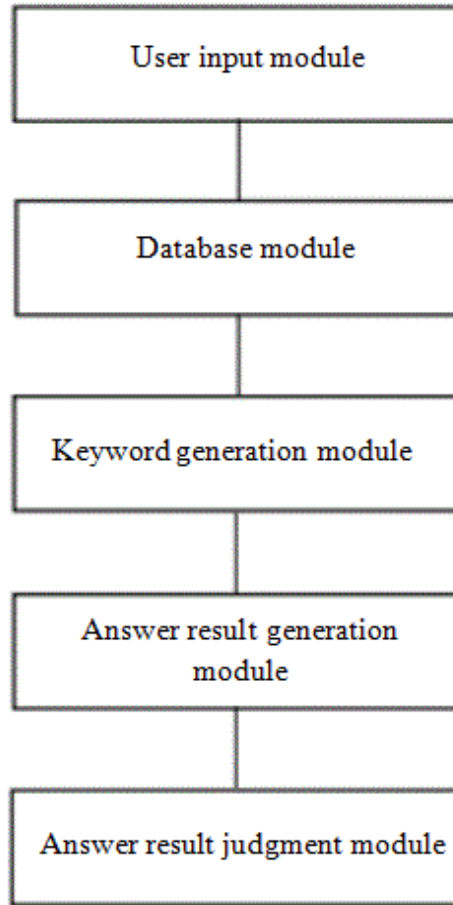
54: STABILITY MONITORING SYSTEM FOR FRACTURED ROCK SLOPE

00: -
The invention provides a stability monitoring system for fractured rock slope, which comprises a data acquisition module, a simulation module and an evaluation module; the data acquisition module is used for acquiring data of the fractured rock slope and environmental data; the simulation module is used for constructing a fractured rock slope model according to the fractured rock slope data, and simulating the evolution of the fractured rock slope based on the fractured rock slope model; and the evaluation module is used for evaluating the stability of the fractured rock slope according to the evolution simulation data and environmental data of the fractured rock slope. It can give early warning of the future evolution trend of fractured rock slope, make the stability evaluation results of fractured rock slope, and provide theoretical basis and technical support for the stability evaluation, reinforcement design and disaster prevention of hydropower, transportation, energy development and other engineering slopes.



21: 2024/01017. 22: 2024/01/31. 43: 2024/08/05
 51: G06F
 71: HENAN UNIVERSITY OF URBAN CONSTRUCTION
 72: PAN Qiaohong, ZHAO Kehui, ZHANG Jiong, GAO Sheng, GU Sen, WANG Shaocheng
54: INTELLIGENT INTERACTIVE ANSWER SYSTEM FOR ENGINEERING LEGAL PROBLEMS
 00: -

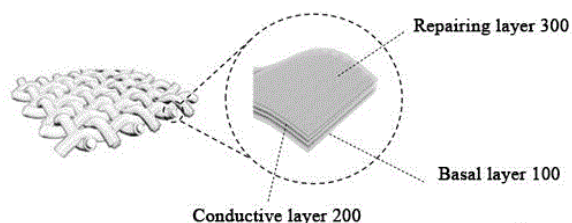
The invention relates to an intelligent interactive answer system for engineering legal problems, which comprises a user input module, a database module, a keyword generation module, an answer result generation module and an answer result judgment module; the user input module is used for acquiring engineering legal questions to be answered input by users; the database module is used for storing the answer information of engineering legal problems and the basic materials for generating legal opinions; the keyword generation module is used for extracting the optimal keywords corresponding to the engineering legal problems to be answered; the answer result generation module is used for obtaining corresponding answer information or legal opinions from the database module according to the optimal keywords, generating basic materials as answer results and outputting; the answer result judging module is used for judging whether the answer result is correct.



21: 2024/01018. 22: 2024/01/31. 43: 2024/08/05
 51: A61B
 71: Tianjin University of Science and Technology
 72: Ruihao Xiang, Yang Liu
 33: CN 31: 202310696691.2 32: 2023-06-13
54: A FABRIC-BASED WEARABLE SENSOR AND ITS PREPARATION METHOD
 00: -

The present application discloses a fabric-based wearable sensor and a method of preparing the same. The above-mentioned wearable sensor can be made by repetitively adsorbing a nanoconductive material to an elastic fabric material and adsorbing a liquid polymer to the nanoconductive material, wherein the nanoconductive material can provide a low film resistance, and the relative sliding of the nanoconductive material makes the wearable sensor have a high sensitivity; the dynamic interactions within the liquid polymer can repair in-situ internal defects and soothe the stress during stretching, thereby improving the service life of the wearable sensor; plus, the elastic fabric material can relieve

the stress concentration of the nanoconductive material during stretching to provide a large operating range, thereby making the wearable sensor have a high service life, a large operating range, a high sensitivity, and a good tensile stability.



21: 2024/01033. 22: 2024/01/31. 43: 2024/08/05
51: A61K; C12N

71: Anhui Shendong Biotechnology Development Co., Ltd.

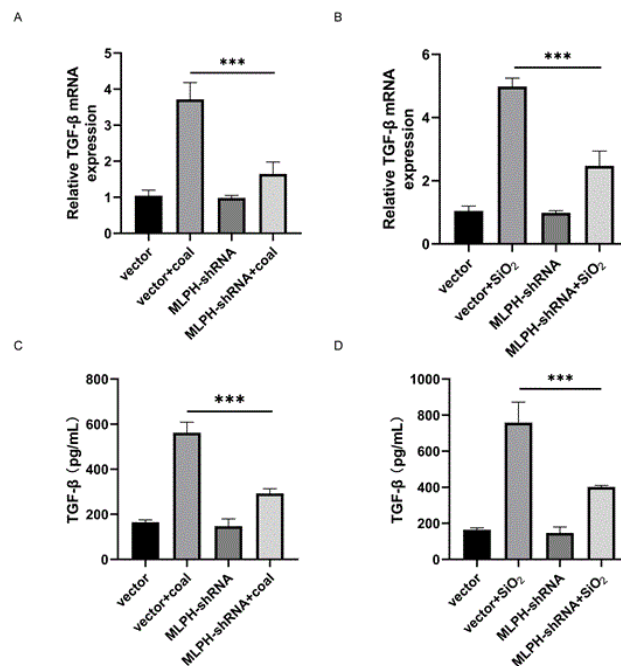
72: LI Bing, MU Min, TAO Xinrong

33: CN 31: 2022108138118 32: 2022-07-12

54: APPLICATION OF MLPH GENE IN PREPARING DRUGS FOR TREATING PNEUMOCONIOSIS

00: -

The present invention discloses an application of MLPH gene in preparing drugs for treating pneumoconiosis and belongs to the field of biopharmaceuticals. By targeting the silencing of the MLPH gene in macrophages using small interfering RNA and stimulating this macrophage using dust particulate matter, the present invention found that MLPH, as an upstream gene of TGF-beta, and dust particulate matter can induce macrophages to produce TGF-beta by regulating MLPH, thus participating in the EMT process of fibrosis in pneumoconiosis. The present invention identifies an important molecular mechanism in the fibrosis process of pneumoconiosis and provides a new immune target for the prevention and treatment of pneumoconiosis.



21: 2024/01059. 22: 2024/02/01. 43: 2024/08/08
51: F16D

71: AKSHIT KAMBOJ, MANINDER SINGH, DR. RADHEY SHAM, DR ASHWANI KUMAR, VINOD CHAUHAN, DR SUNITA KUMARI, BHARTI

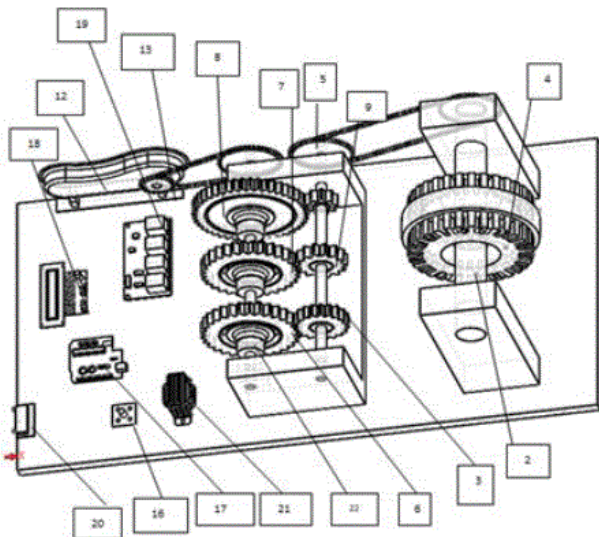
72: AKSHIT KAMBOJ, MANINDER SINGH, DR. RADHEY SHAM, DR ASHWANI KUMAR, VINOD CHAUHAN, DR SUNITA KUMARI, BHARTI

33: IN 31: 202311039171 32: 2023-06-08

54: A SYSTEM OF AUTOMATIC ELECTROMAGNETIC CLUTCH USING ULTRASONIC SENSOR

00: -

The present invention describes the design of an automatic clutch assembled in gearbox itself that will extend the range of a driver's experience as well as mileage of the vehicle. The clutch is designed to eliminate the clutch assembly used in manual transmission. This results in transmitting power coming from engine directly to gearbox therefore reducing power losses that occur about 20-30% in between in the clutch assembly. Also, the maintenance and intricate linkages in clutch assembly are completely removed. The system design is based on mechanically coupling electromagnets concentric with gears mounted on main shaft as the primary source to engage/disengage the gears and electrically wiring the electromagnetic clutch together with a DC source obtaining efficient transmission from the engine to the wheels.



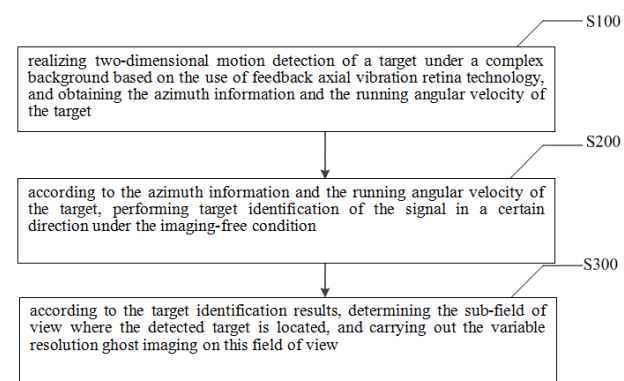
21: 2024/01060. 22: 2024/02/01. 43: 2024/08/08
 51: C08L
 71: Guangzhou Aoqun Brush Industry Technology Co., Ltd.
 72: LIU, Xuezhen, WANG, Min, LIU, Xueping
54: METHOD FOR PREPARING HEAT-RESISTANT AND OXIDANT-RESISTANT PLANT FIBER REINFORCED POLYPROPYLENE COMPOSITE MATERIAL AND APPLICATION THEREOF IN HAIRBRUSH

00: -
 The present invention relates to the technical field of composite materials and discloses a method for preparing a heat-resistant and oxidation-resistant plant fiber reinforced polypropylene composite material and an application thereof in a hairbrush. The method includes the following steps: S1, selecting plant fiber for steam explosion, then performing chemical modification, and then performing high-energy ball milling on the fiber; S2, adding a comonomer and a nano filler into polypropylene resin; S3, mixing the fiber obtained in S1 with the polypropylene resin obtained in S2; S4, extruding a mixture with a twin-screw extruder; and S5, cooling the extruded composite material and stretching the composite material in the cooling process. The heat-resistant and oxidation-resistant plant fiber reinforced polypropylene composite material disclosed by the present invention has significant performance advantages when it is applied to the hairbrushes. The hairbrushes have

potential application value in the fields of industrial and household cleaning.

21: 2024/01061. 22: 2024/02/01. 43: 2024/08/08
 51: G01V; G02B; G06T
 71: YANGTZE DELTA REGION ACADEMY OF BEIJING INSTITUTE OF TECHNOLOGY, JIAXING, THE 41ST INSTITUTE OF CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION
 72: CAO Jie, XIONG Zhongxia, ZHUANG Xingang, SHANG Fuzhou, ZHAO Quanchao
 33: CN 31: 2023101266124 32: 2023-02-06
54: COMPOSITE BIONIC GHOST IMAGING METHOD AND SYSTEM

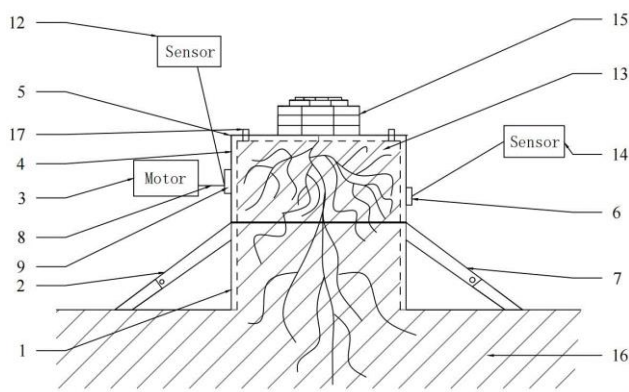
00: -
 The invention discloses a composite bionic ghost imaging method and system. The method includes the following steps: realizing two-dimensional motion detection of a target under a complex background based on the use of feedback axial vibration retina technology, and obtaining the azimuth information and the running angular velocity of the target; according to the azimuth information and the running angular velocity of the target, performing target identification of the signal in a certain direction under the imaging-free condition; according to the target identification results, determining the sub-field of view where the detected target is located, and carrying out the variable resolution ghost imaging on this field of view. The invention realizes the ghost imaging technology with large field of view and high-efficiency perception performance by using a plurality of detectors, and has the integrated functions of detection, identification and tracking.



21: 2024/01062. 22: 2024/02/01. 43: 2024/08/08
 51: G06F
 71: Northwest A&F University

72: GUO Wenzhao, LUO Li, LUO Jiawei, LI Chengyao
 33: CN 31: 2023117522027 32: 2023-12-19
54: IN-SITU LARGE-SCALE SHEAR TEST DEVICE AND METHOD FOR SHALLOW LANDSLIDES ON SOIL SLOPES COVERED WITH VEGETATION
 00: -

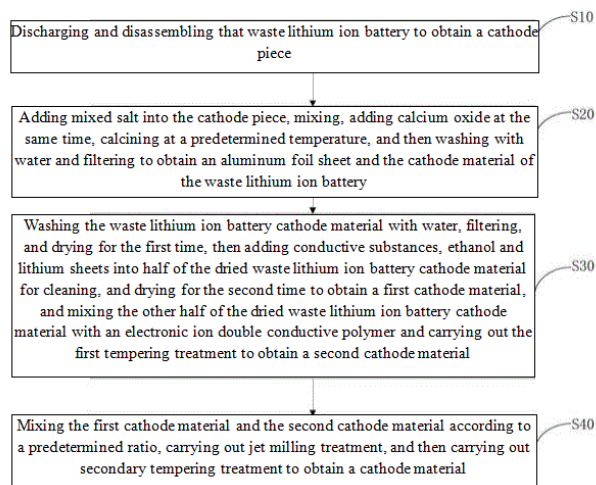
The invention relates to the technical field of soil shear strength measurement, in particular to an in-situ large-scale shear test device and method for shallow landslides on soil slopes covered with vegetation. In the invention, in-situ shear tests are carried out on vegetated slopes and vegetated slopes with shallow landslides, and the size of large-scale shear test soil columns is 30 cm × 30 cm × 30 cm. Through this device, the shear strength, parameter cohesion and internal friction angle of soil samples at different locations and depths of vegetated slopes can be measured, which makes up for the shortcomings of too small shear sample size at present. The obtained data provide reliable and powerful support for analyzing the causes of landslides on vegetated slopes, how to prevent the occurrence of landslides on vegetated slopes and how to take control measures.



21: 2024/01064. 22: 2024/02/01. 43: 2024/08/08
 51: H01M
 71: Kunming University of Science and Technology
 72: MENG Qi, TIAN Le, DONG Peng, FEI Zitong
54: METHOD FOR SECONDARY UTILIZATION OF WASTE LITHIUM ION BATTERY CATHODE MATERIALS
 00: -

The invention discloses a method for secondary utilization of waste lithium ion battery cathode materials, which comprises the following steps: discharging the waste lithium ion batteries and disassembling them to obtain a cathode piece;

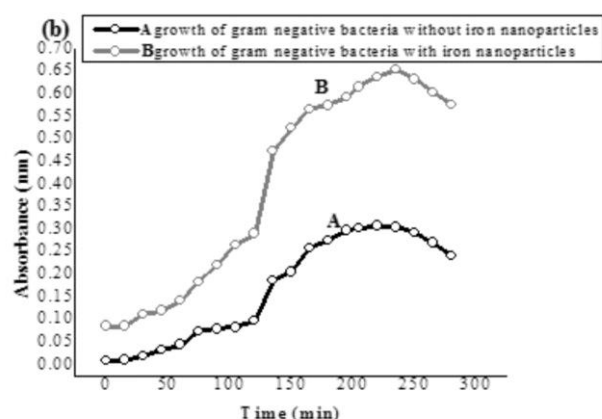
adding mixed salt and calcium oxide into the cathode piece, mixing, and calcining at a predetermined temperature to obtain a waste lithium ion battery cathode material; adding conductive substances, ethanol and lithium flake into half of that cathode material of the waste lithium ion battery for cleaning, and mixing half of the cathode material with an electronic ion double conductive polymer and carrying out first temper treatment to obtain a first cathode material and a second cathode material; mixing the first cathode material and the second cathode material, jet milling, and tempering for the second time to obtain the cathode material. The method of the invention can realize the efficient separation of the cathode material and the aluminum foil without high temperature for a long time, and has the advantages of simple operation, low energy consumption and short cycle, and provides a new idea for the separation, recycling and reuse of the cathode material and the aluminum foil of the waste lithium ion battery, and has a huge application prospect.



21: 2024/01066. 22: 2024/02/01. 43: 2024/08/08
 51: C05G; C06C; C10N
 71: Rajalakshmi Engineering College, Dr. P. Bharathi Purushothaman, Dr. Dayana Raj, Dr. Karthikeyan Vijayan
 72: Dr. P. Bharathi Purushothaman, Dr. Dayana Raj, Dr. Karthikeyan Vijayan
 33: IN 31: 202341068969 32: 2023-10-13
54: NANO IRON-CATALYZED BIOFERTILIZER AND A METHOD OF PREPARATION THEREOF
 00: -

The present invention relates to a novel Nano Iron-Catalyzed Biofertilizer and its method of preparation,

designed to revolutionize sustainable agriculture. This biofertilizer incorporates nanoscale iron particles within a carrier material, promoting efficient nutrient delivery to plants while enhancing soil health. Beneficial microorganisms, including nitrogen-fixing bacteria and mycorrhizal fungi, synergistically interact with the iron catalyst to improve nutrient uptake. The innovative formulation ensures increased crop yields, reduced environmental impact, and enhanced soil remediation capabilities. This Nano Iron-Catalyzed Biofertilizer presents a promising solution to address global agricultural challenges and promote eco-friendly farming practices.

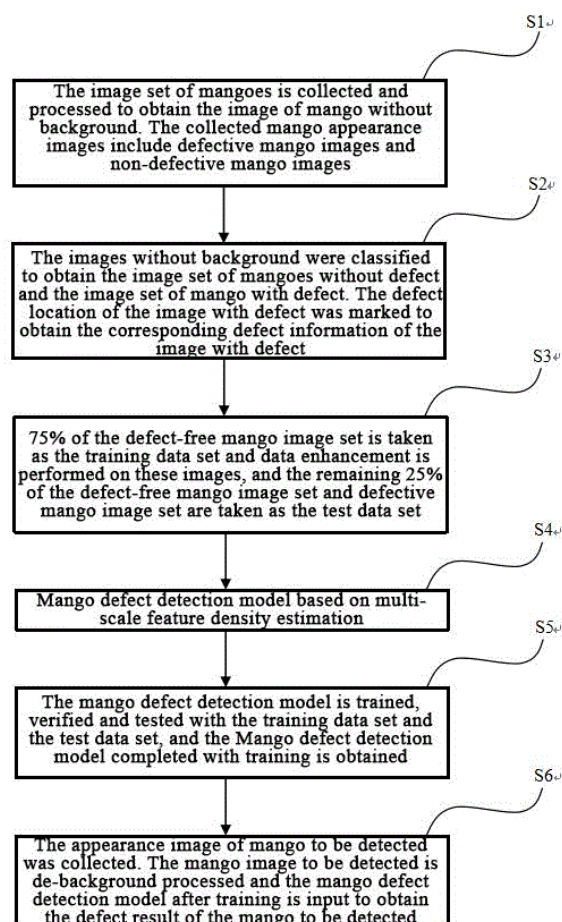


21: 2024/01067. 22: 2024/02/01. 43: 2024/08/08
 51: G06T
 71: Shichao Wang
 72: Shichao Wang, Renhuan Wang, Yunfeng Ma, Hongzhen Cui, Longhao Zhang
 33: CN 31: 202311611244.9 32: 2023-11-28

54: A MANGO DEFECT DETECTION METHOD BASED ON MULTI-SCALE FEATURE DENSITY ESTIMATION

00: -
 A mango defect detection method based on multi-scale feature density estimation belongs to the field of fruit detection technology, and is used to solve the problem of mango defect detection. The appearance image set of mangoes was collected, and the collected data were de-background processed and classified to obtain the image set of mango without background and the image set of mango with defect. The defect location of the image of mango with defect was marked to obtain the defect information of mango with defect. Part of the defect-free mango image set is used as the training data set, and the

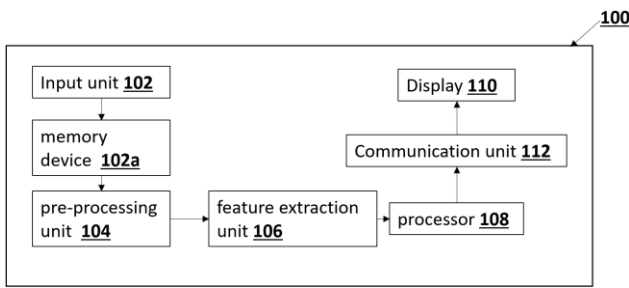
other defect-free mango image set and defective mango image set are used as the test data set. The mango defect detection model based on multi-scale feature density estimation is trained with the defect-free mango image set, and then the mango appearance image data to be detected after background processing is input. The defect results and defect location markers were obtained, and the multi-scale mango external defects were detected and the location information was introduced to improve the detection efficiency and the accuracy of the defect location markers.



21: 2024/01068. 22: 2024/02/01. 43: 2024/08/08
 51: G06F
 71: Deepali Vajjinath Sawane, Dr. Sonali Gaikwad, Jyotsna Gaikwad
 72: Deepali Vajjinath Sawane, Dr. Sonali Gaikwad, Jyotsna Gaikwad

54: SYSTEM FOR PERFORMING AND EVALUATING AUTOMATIC TEXT SUMMARIZATION

00: -
 A system (100) for performing and evaluating automatic text summarization, comprises of: an input unit (102) for collecting a text data from a source as an input; a pre-processing unit (104) connected to the input unit (102) for performing normalization of the input text data, wherein the input data is processed to obtain tokens and at least a tag is allotted to the obtained tokens; a feature extraction unit (106) connected to the pre-processing unit (104) for extracting at least a feature in the form of words to generate a summary; and a processor (108) connected to the feature extraction unit (106) for interconnecting the extracted words in a meaningful manner to generate a summary from the extracted words.



21: 2024/01088. 22: 2024/02/02. 43: 2024/08/08
 51: F24J

71: Anhui Vocational and Technical College
 72: ZHANG Li, SU Wei, REN Xiaoli, Sun Wanying

54: PHOTOVOLTAIC HEATING SYSTEM FOR CLOTHES

00: -
 The invention discloses a photovoltaic heating system for clothes, which includes a photovoltaic heating module, a data acquisition module and a heating control module; the photovoltaic heating module is used for generating heat energy based on solar energy; the data acquisition module is used for acquiring data of the internal temperature of the clothes and the external environment of the clothes; and the heating control module is used for controlling the photovoltaic heating module to generate the heat energy according to the internal temperature of the clothes and the external environment data of the clothes. The photovoltaic-based heat module adopts solar energy to heat, which is green and environment-friendly; through the heating control module, the temperature can be intelligently controlled, so that the internal

temperature of the clothing is at the most suitable temperature at all times, which has a good heating and insulation effect. By setting the energy-saving module, the heating time of the clothing can be prolonged.



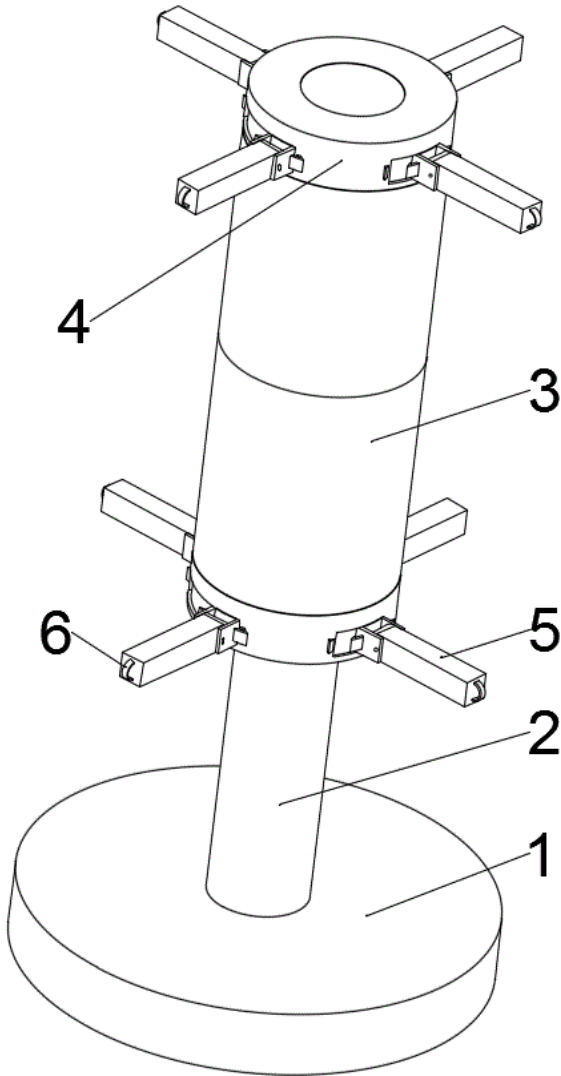
21: 2024/01089. 22: 2024/02/02. 43: 2024/08/08
 51: G09F

71: HENAN UNIVERSITY OF URBAN CONSTRUCTION

72: HUANG Wei, REN Huijuan, WANG Judong, YANG Bing, KE Yue, XIE Lidan

54: ADJUSTABLE ADVERTISING RACK FOR BILLBOARDS

00: -
 The invention belongs to the technical field of advertising racks, and provides an adjustable advertising rack for billboards, which comprises a base, which is provided with a height adjusting assembly; two groups of adjustable suspension assemblies, which comprise a connecting disc, wherein a plurality of billboard fixing mechanisms are arranged on the connecting disc; one connecting disc is fixedly connected to the top of the height adjusting assembly, and the other connecting disc is sleeved on the height adjusting assembly in a sliding way; the two groups of connecting discs are connected through a telescopic piece; the telescopic piece can adjust the distance between the two connecting discs; the included angle between several billboard fixing mechanisms on the connecting disc can be adjusted to two states, in the first state, four billboards can be hung at most, and in the second state, three billboards can be hung symmetrically. According to the invention, 1-4 billboards can be hung as required, and the hanging effect is beautiful.



21: 2024/01091. 22: 2024/02/02. 43: 2024/08/08
51: G08B

71: FUZHOU UNIVERSITY

72: YANG, Yan, ZHANG, Wei

33: CN 31: 2024200840272 32: 2024-01-12

54: A FIRE MONITORING DEVICE BASED ON OXIDATION MAGNET EFFECT

00: -

The present invention relates to the technical field of fire monitoring, and discloses a fire monitoring device based on oxidation magnet effect, which comprises a battery (1), a magnetic ring (2), a tin foil clad ferric oxide sheet (3), a wire (4), an alarm light (5), a carbon fiber box (6) and wall (7). The carbon fiber box of the fire alarm is installed on the wall, and one side of the alarm light inside the carbon fiber box is connected to the positive electrode of the battery through the wire, and the other side of the alarm light is connected to the tin foil clad ferric oxide sheet; alumina is wrapped in the tin foil as a catalyst, and the negative electrode of the battery is installed with the magnetic ring; when there's a fire, the ferric oxide can be oxidized into Fe₃O₄ quickly to have magnetic property and be absorbed onto the magnetic ring, then a closed loop is formed and the alarm light will light up. The present invention is simple in structure, easy to install, and lightweight, easy to use. It can be used repeatedly after replacing the tin foil clad ferric oxide sheet. It also can monitor the fire situation, does not need to be electrified all the time during use, and has no problems of alarm delay due to circuit aging and false alarm and the like.

21: 2024/01090. 22: 2024/02/02. 43: 2024/08/08
51: A01K

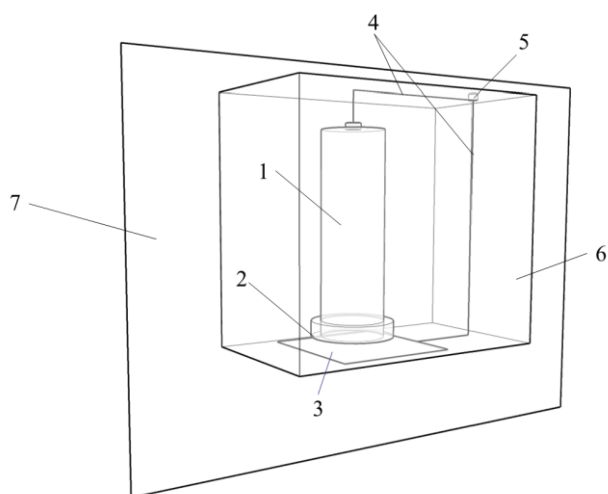
71: DILGER, Andrew

72: DILGER, Andrew

54: FEEDER ARRANGEMENT

00: -

A feeder arrangement for an animal, the feeder arrangement including a support structure, a feed-bowl which is mounted to the support structure, and a lid which is movable about a pivot point between a closed position at which the lid prevents access to food in the feed-bowl and an open position at which the lid allows access to food in the feed-bowl, wherein the lid includes a member which extends past a rim of the feed-bowl to allow the lid to be moved to the open position by applying an upwardly directed force to an underside of the member.



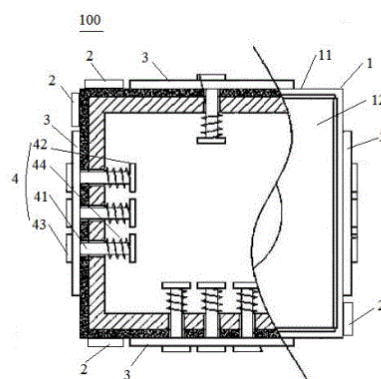
21: 2024/01107. 22: 2024/02/05. 43: 2024/08/08
 51: A23L
 71: Jiangxi Agricultural University
 72: ZHU, Liqin, DU, Huaying, ZUO, Xiaoxia, WANG, Jing, CAI, Zhipeng, SHEN, Yonggen, WU, Shaofu
54: PREPARATION METHOD FOR WHOLE-CITRUS FRUIT POWDER AND TABLET

00: -
 Disclosed is a preparation method for whole-citrus fruit powder and a tablet. The preparation method for whole-citrus fruit powder includes: (1) cutting a blanched citrus fruit into fruit slices having a thickness ranging from 5 mm to 6 mm; (2) drying the fruit slices; and (3) crushing and screening dried fruit slices to prepare the whole-citrus fruit powder. The present invention has the advantages that the whole-citrus fruit powder is prepared by utilizing a whole-citrus, thereby retaining nutrient components of the citrus to the greatest extent, moreover, since a peel is rich in nutrient health-care components such as hesperidin and naringin, the whole-citrus fruit powder has an extremely desirable effect on reduction in cardiovascular disease, and is suitable for being eaten by people having hypertension.

21: 2024/01109. 22: 2024/02/05. 43: 2024/08/08
 51: A63H
 71: Anqing Normal University
 72: XIE, Hongyu, ZHA, Yuehong, YAN, Wangqing
54: MULTI-FUNCTIONAL LEARNING BLOCK FOR CHILDREN

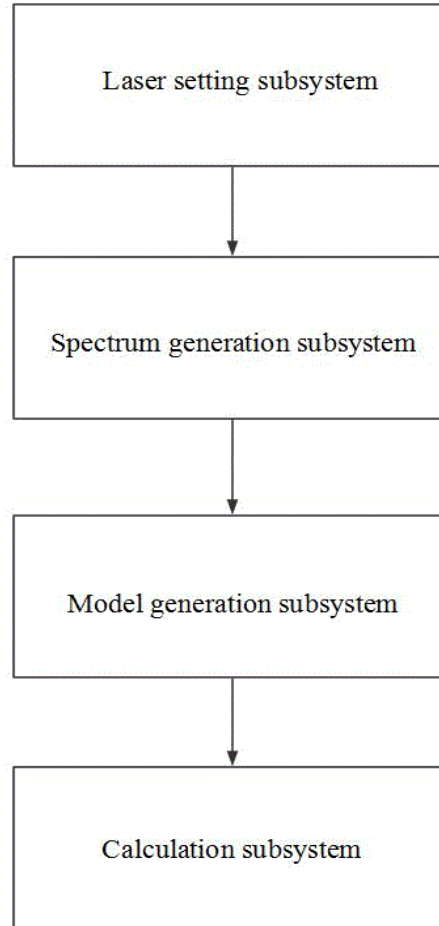
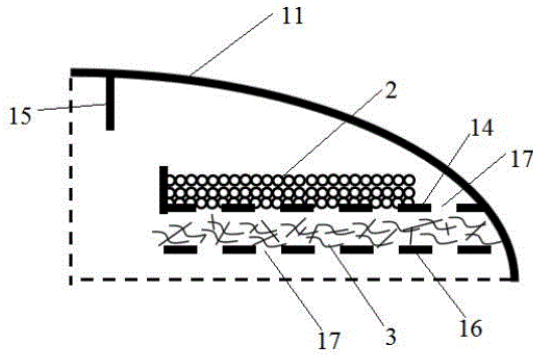
00: -
 Disclosed is a multi-functional learning block for children, relating to the technical field of educational

toys for children. The present invention includes a polyhedron with a plurality of connecting surfaces. The polyhedron has a cavity. Each of the connecting surfaces is provided with a character learning module and a mathematical learning module, and at least one connecting surface is further provided with a limb exercise module. The multi-functional learning block for children provided by the present invention enriches the functionality of the learning block and can satisfy the learning needs of children of different ages.



21: 2024/01110. 22: 2024/02/05. 43: 2024/08/08
 51: E02D
 71: Gansu Desert Control Research Institute
 72: JIN, Hongxi, HE, Fanglan, LI, Jinhui, WU, Hao, WANG, Qi, WANG, Ying
54: SAND-PROTECTING BARRIER COMBINING MECHANICAL PROTECTION WITH MICROBIAL PROTECTION

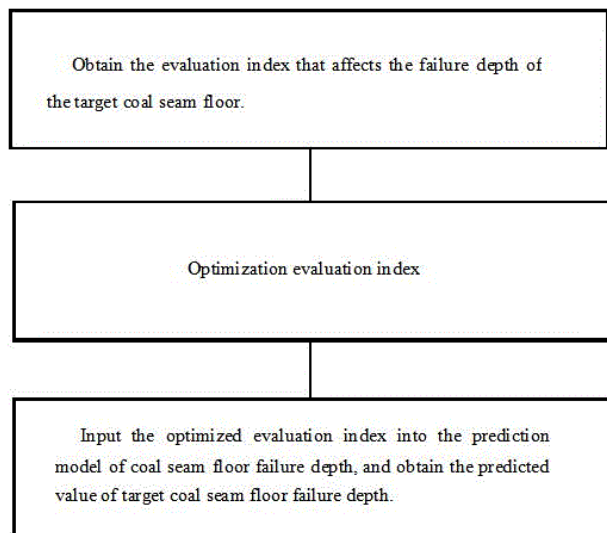
00: -
 The present invention discloses a sand-protecting barrier combining mechanical protection with microbial protection, and relates to the technical field of desert control. The sand-protecting barrier includes a plurality of protection units, where each protection unit is arranged in an annular shape and includes a protection cover arranged in a circumferential direction, an inner ring end of the protection cover is higher than an outer ring end, the outer ring end is placed on a desert surface, and outer ring ends of two adjacent protection units are close to each other; and the protection cover is provided with a first platform in a circumferential direction on a lower wall surface towards the desert, and a microbial filler is inoculated on the first platform.



21: 2024/01112. 22: 2024/02/05. 43: 2024/08/08
 51: G01N
 71: Henan University of Urban Construction
 72: WANG Yarui, WANG Xinlian, LIU Zhiqing, CHEN Shanbao, WANG Chaoyong, ZHU Wenjie
54: MATERIAL DETECTION SYSTEM BASED ON LASER-INDUCED BREAKDOWN SPECTRUM
 00: -
 The invention discloses a material detection system based on laser-induced breakdown spectrum, which comprises a laser setting subsystem for setting pulse energy and frequency of laser based on material sample parameters; a spectrum generation subsystem is used for carrying out laser-induced breakdown spectrum test on the material sample through the pulse energy and frequency to obtain a detection spectrum sequence; a model generation subsystem is used for constructing a spectral material component prediction model based on a convolutional neural network model; and a calculation subsystem is used for inputting the detection spectral sequence into the spectral material component prediction model for calculation and generating a material component detection result. According to the invention, the spectrum is processed through a convolutional neural network model, and the spectrum data has a high dimension and contains a large amount of information, and CNN can efficiently process the data and identify and utilize the patterns and features in the spectrum.

21: 2024/01113. 22: 2024/02/05. 43: 2024/08/08
 51: G06Q
 71: Huainan Normal University
 72: BI Yaoshan, HUANG Kaifeng, WU Long, DOU Litong, LI Dong, LI Fenghui, ZHAN Keliang
54: METHOD FOR PREDICTING FAILURE DEPTH OF COAL SEAM FLOOR IN MINE
 00: -
 The invention relates to a method for predicting the destruction depth of a coal seam floor in a mine, which comprises the following steps: obtaining an evaluation index influencing the destruction depth of a target coal seam floor; Optimizing the evaluation index; Inputting the optimized evaluation index into a coal seam floor failure depth prediction model to obtain a target coal seam floor failure depth prediction value, wherein the coal seam floor failure depth prediction model is constructed based on an SVR model and is obtained through training of a training set, and the training set comprises an actually measured coal seam floor failure depth evaluation index and an actually measured coal

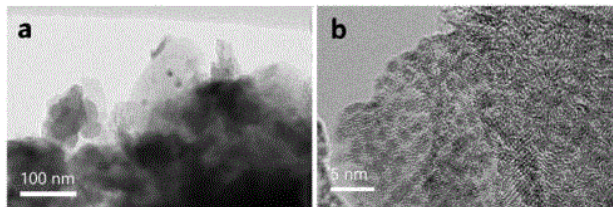
seam floor failure depth. The prediction model of coal seam floor failure depth established by the invention has certain practicability, and its accuracy can meet the requirement of predicting coal seam floor failure depth in modern mine practical engineering.



21: 2024/01114. 22: 2024/02/05. 43: 2024/08/08
 51: B01J
 71: HAINAN NORMAL UNIVERSITY
 72: HUANG Yuhao, WANG Baoli, SUN Wei, YAO Yucen, ZHU Lin, ZHANG Dan, ZHANG Siyue, HU Xiaojuan

54: COMPOSITE CATALYST WITH ITS PREPARATION METHOD AND APPLICATION

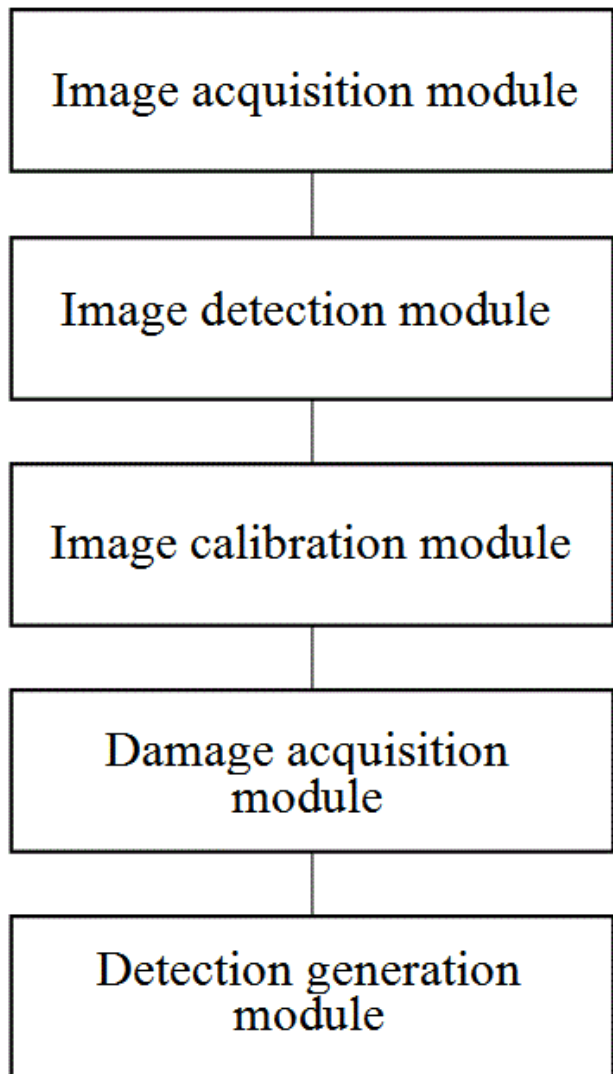
00: -
 The invention belongs to the technical field of electrode materials, and relates to a composite catalyst with its preparation method and application. The composite catalyst provided by the invention was prepared by using waste fish scales as a carbon source, and using rich and cheap metals to replace noble metals, so that the product yield is high, the cost is low, and the composite catalyst is environment-friendly. When used as an OER catalyst, the composite catalyst has excellent catalytic performance and high stability.



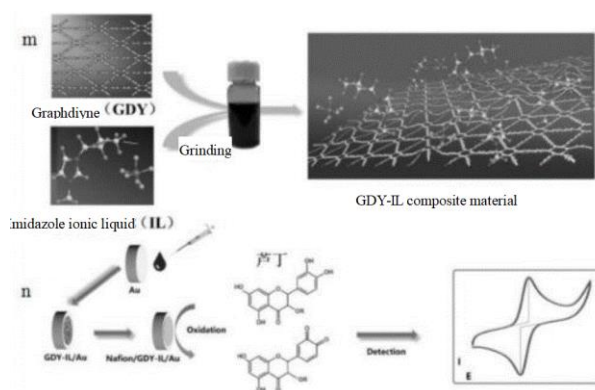
21: 2024/01115. 22: 2024/02/05. 43: 2024/08/08
 51: G06Q
 71: Henan University of Urban Construction
 72: ZHANG Renqi, LIU Zhiqing, LAI Yuanfeng, WANG Chaoyong, HUA Chunfei, XU Huafeng, WANG Mengke, WANG Huanli, DOU Cheng, QI Fuhao, WANG Menghao, YE Mengna, ZHANG Pengran, ZHANG Jiachen, SHI Ke

54: PHOTOVOLTAIC PANEL DAMAGE DETECTION SYSTEM BASED ON IMAGE ANALYSIS

00: -
 The invention discloses a photovoltaic panel damage detection system based on image analysis, which comprises an image acquisition module, an image detection module, an image calibration module, a damage acquisition module and a detection generation module; the image acquisition module is used for acquiring an image of that photovoltaic panel; the image detection module is used for detecting the photovoltaic panel image and obtaining a detection result; the image calibration module is used for calibrating the photovoltaic panel image according to historical parameters to obtain a calibration image; the damage acquisition module is used for acquiring the damage condition of the photovoltaic panel according to the detection result and the calibration image; the detection generation module is used for outputting that damage condition of the photovoltaic panel. The invention can solve the problems existing in manual inspection in the prior art, and has the advantages of low detection cost, high detection speed, high accuracy and the like.



4.2) milligram: 200 microliter: 2 milligram. In the invention, both graphdiyne and imidazole ionic liquids have high conductivity, and the composite of graphdiyne and imidazole ionic liquids can improve the overall conductivity of the composite, thereby improving the interface conductivity of the composite modified electrode and improving the detection sensitivity. Meanwhile, the hydrophobic imidazole ionic liquid used can effectively weaken the dispersibility of the composite in the solution to be detected and can improve the stability of the composite and its bonding with the surface of the base electrode.



21: 2024/01116. 22: 2024/02/05. 43: 2024/08/08
51: G01N

71: HAINAN NORMAL UNIVERSITY
72: HUANG Yuhao, YAN Lijun, WANG Lisi, HAN Xiao, CHEN Yuxue, HU Xiaojuan, ZHANG Dan, SUN Wei

54: PREPARATION METHOD OF COMPOSITE MATERIAL AND APPLICATION IN MODIFIED ELECTRODE

00: -
The invention belongs to the technical field of chemical analysis, and particularly relates to a composite and a modified electrode thereof, and a preparation method and application of the electrode. The invention provides a composite, which includes graphdiyne, imidazole ionic liquid and Nafion; the ratio of the mass of graphdiyne, the volume of imidazole ionic liquid and the mass of Nafion is (3.8-

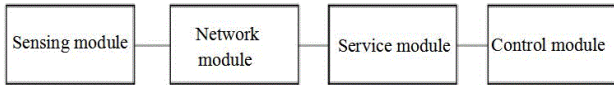
21: 2024/01117. 22: 2024/02/05. 43: 2024/08/08
51: H02S

71: Henan University of Urban Construction
72: ZHANG Renqi, RAO Peijun, SHI Ke, LI Wei, XU Huafeng, DUAN Kunjie, WANG Mengke, WANG Huanli, DOU Cheng, QI Fuhao, WANG Menghao, YE Mengna, LAI Yuanfeng, ZHANG Pengran, ZHANG Jiachen

54: SELF-CLEANING SYSTEM APPLIED TO PHOTOVOLTAIC PANEL

00: -
The invention discloses a self-cleaning system applied to a photovoltaic panel, which comprises a sensing module, a network module, a service module and a control module; The sensing module is used for collect that state information of the photovoltaic panel and controlling the photovoltaic cleaning device; The network module is used for reporting the photovoltaic panel state information collected by the sensing module to the service module and the control module; The service module is used for storing the photovoltaic panel state information reported by the network module; The control module is use for viewing that state information of the photovoltaic panel and issue an

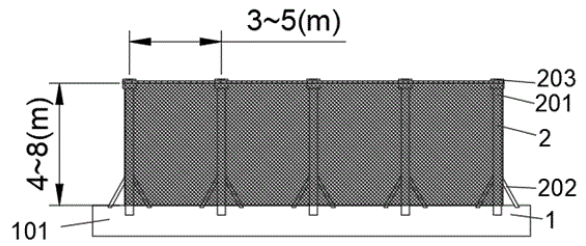
instruction to the sensing module. The photovoltaic panel self-cleaning system provided by the invention can realize the intelligent automatic cleaning of the solar photovoltaic panel in the automatic mode, and improve the power generation efficiency of the photovoltaic panel.



21: 2024/01118. 22: 2024/02/05. 43: 2024/08/08
 51: A01G
 71: Guangxi Academy of Specialty Crops
 72: LOU Binghai, GAN Haifeng, SONG Yaqin, HAN Yang, LI Yijie, LEI Cuiyun, ZHANG Song

54: SIMPLE INSECT-PROOF NET WALL FOR BLOCKING MIGRATION OF CITRUS PSYLLA AND CONSTRUCTION METHOD THEREOF

00: -
 The invention discloses a simple insect-proof net wall for blocking the migration of citrus psylla and a construction method thereof, and relates to the technical field of agriculture. The invention comprises a base device, a supporting device, a fixing device, an access device, an insect-proof device and a trapping cage. According to the invention, a simple insect-proof net wall for blocking the migration of citrus psylla and a construction method thereof are improved by arranging a basic device, so that the method is suitable for popularization; steel, plastic steel, cement columns, wood and bamboo can be selected as construction materials by arranging a supporting device, so that the material cost is extremely low; the insect-proof net can be firmly fixed by arranging a fixing device, so that the service life is long, and the maintenance is convenient and simple; and the access device can be used for fruit farmers and machines to access and take care of citrus trees conveniently. By setting the insect-proof net wall in the insect-proof device, the building materials can be greatly reduced, and the cost can be reduced. Moreover, because the net wall has no ceiling and no closed structure, the temperature, light, humidity and air mobility in the net wall are almost the same as those in open-air cultivation without facilities.

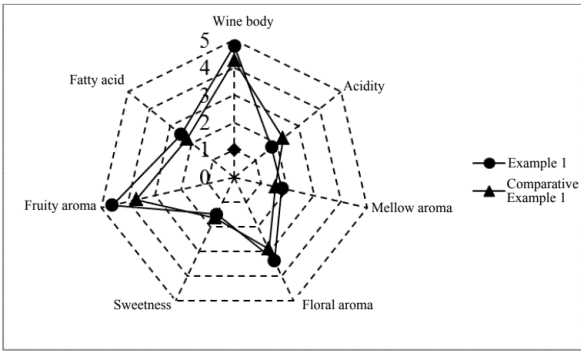
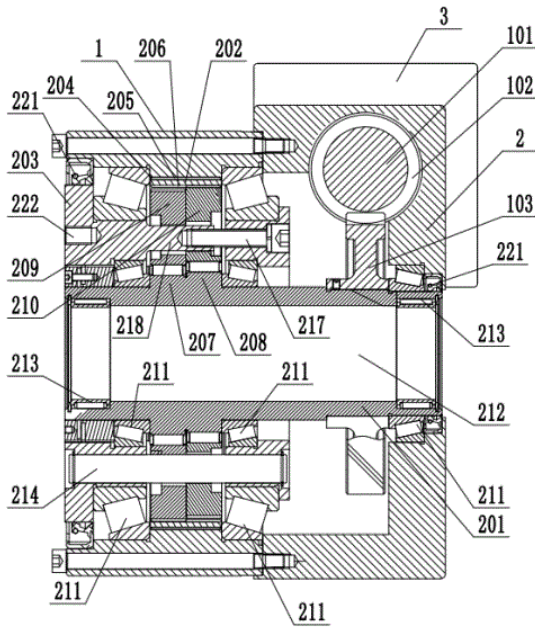


21: 2024/01119. 22: 2024/02/05. 43: 2024/08/08
 51: F16H

71: Rouhao Precision Technology (Suzhou) Co., Ltd.
 72: JIN, Zhengyi, HU, Muyuan, ZHANG, Yiyu
 33: CN 31: 202310813331.6 32: 2023-07-04

54: SMALL-TOOTH-DIFFERENCE REDUCER WITH CROSSED HELICAL GEARS

00: -
 Disclosed is a small-tooth-difference reducer with crossed helical gears. The reducer includes a fixing housing, where an input mechanism and an output mechanism are arranged in the fixing housing; the input mechanism includes a power shaft, a first helical gear, and a second helical gear; and the output mechanism includes an elastic gear ring, a transmission shaft, an output flange, and first inner teeth fixed in the fixing housing, where a first eccentric shaft section and a second eccentric shaft section are arranged on the transmission shaft, and a first planetary gear and a second planetary gear are connected to the first eccentric shaft section and the second eccentric shaft section respectively; and the first planetary gear and the second planetary gear engage with second inner teeth of the elastic gear ring, and the output flange is connected to the first planetary gear and the second planetary gear.



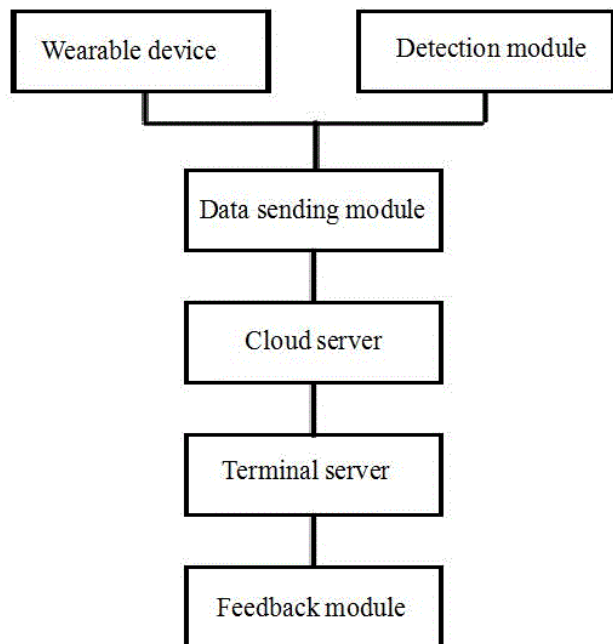
21: 2024/01120. 22: 2024/02/05. 43: 2024/08/08
 51: C12G
 71: TaiShan University
 72: ZHAO, Xianhua, LI, Cuixia
54: PREPARATION METHOD FOR RASPBERRY WINE
 00: -

The present invention belongs to the technical field of wine processing, and in particular to a preparation method for raspberry wine. The present invention provides a preparation method for raspberry wine. According to the preparation method, grapes and raspberry are subjected to yeast fermentation together, and then malolactic fermentation is performed. An alcohol content, and an ethyl isovalerate content and a diethyl succinate content of the raspberry wine are obviously improved, the problems of poor storage resistance of the raspberry and a poor taste of wine produced by fermenting the raspberry alone are effectively solved, and aromas of the wine are increased. Furthermore, a free radical scavenging capacity of the obtained raspberry wine is remarkably improved.

21: 2024/01121. 22: 2024/02/05. 43: 2024/08/08
 51: A63B
 71: Jilin Normal University
 72: YUE Wei

54: SELF-SERVICE BASKETBALL TRAINING SYSTEM

00: -
 The invention discloses a self-service basketball training system, which comprises a wearable device, which is used for collecting action data and physiological information of athletes; the detection module is used for acquiring position information and action images of athletes; the data sending module is used for receiving action data, physiological information, position information and action images, and transmitting them to the cloud server for processing, and simultaneously extracting athlete's face information and shooting movement information; the terminal server is used for logging in the cloud server according to the face information of the athletes, obtaining the shooting movement information of the athletes, and comparing and analyzing the shooting movement information with the standard shooting movement information, so as to display the comparative analysis result; and the feedback module is used for giving feedback and prompting to the athletes according to the comparative analysis results. The invention can timely feed back and prompt the defects of the athletes, provide convenient and targeted action guidance for the athletes, and help improve the basketball training effect of the athletes.



21: 2024/01122. 22: 2024/02/05. 43: 2024/08/08
51: E04B

71: Jiangsu Vocational Institute of Architectural Technology

72: WANG, Junqiang, MIAO, Zhiyong, ZHANG, Linglei, HUANG, Yong

54: UNREINFORCED SELF-STRENGTHENING CEMENT-BASED PRINTED CONCRETE, AND PREPARATION METHOD AND APPLICATION THEREFOR

00: -
The present invention relates to unreinforced self-strengthening cement-based printed concrete, and a preparation method and application therefor. Provided is unreinforced self-strengthening cement-based printed concrete, including the following components in parts by mass: 52 to 80 parts of cement, 20 to 48 parts of fly ash, 5 to 15 parts of silica fume, 80 to 135 parts of an aggregate, 33 to 49 parts of water, 0.3 to 2 parts of clay powder, 0.1 to 2 parts of a plasticizer, 0.5 to 3 parts of a flocculating agent, 0.01 to 0.5 parts of fibers, and 0.01 to 0.1 parts of an adjusting admixture. The unreinforced self-strengthening cement-based printed concrete can satisfy digital construction of concrete under unreinforced conditions, and effectively overcome defects that the traditional concrete has obvious brittleness and needs to be configured with reinforcing steel bars.

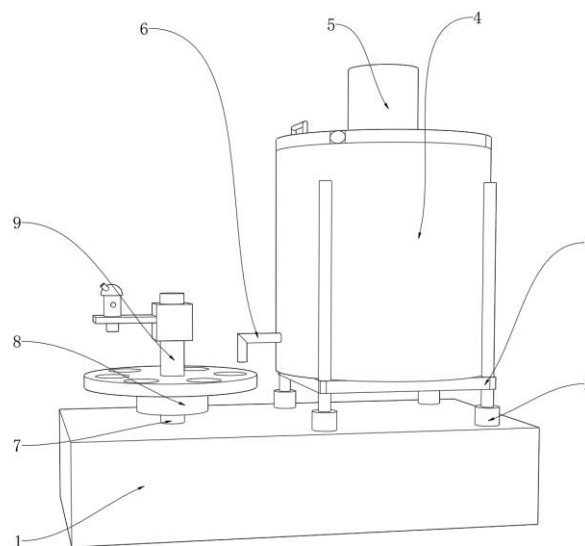
21: 2024/01125. 22: 2024/02/05. 43: 2024/08/08
51: C09K

71: Liaoning Petrochemical University

72: Li Shengke, Zhao Xiaolong, Yang Jiang, Liu Hailing

54: DEVICE FOR TESTING VISCOSITY REDUCTION EFFECT OF HEAVY-OIL VISCOSITY REDUCER

00: -
The present invention provides a device for testing a viscosity reduction effect of a heavy-oil viscosity reducer, including a base. Fixing blocks are fixedly connected to a right side of a top of the base, middles of tops of the fixing blocks are penetrated by and arranged with a support frame, a tank body is arranged at a top of the support frame, and a cover plate is arranged at a top of the tank body. In the present invention, a tray, a placing table and placing grooves are arranged on a bearing rod because comparative tests may be carried out when the viscosity reducer is tested; and the tray can drive the placing table to rotate. The tray can be rotated during the tests, and a microscope can be used for comparative observation.



21: 2024/01126. 22: 2024/02/05. 43: 2024/08/08
51: E01B; F02D

71: CHINA RAILWAY THIRD DIVISION GROUP CO., LTD., CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD.

72: WANG, Jin, HE, Yongyi, CHANG, Naichao, WU, Yongzhen, DING, Xiaoping, SUYA, Iatu, FU, Chongyang, XUE, Zemin, WAN, Yunqian, DUAN, Jiubo, ZHANG, Zefeng, QIN, Hongjian

54: TERMINAL FEEDBACK CONTROL METHOD FOR INTELLIGENT FINE TUNING OF SLAB BALLASTLESS TRACK

00: -

The present invention discloses a terminal feedback control method for intelligent fine tuning of a slab ballastless track, and particularly relates to the technical field of fine tuning construction of slab ballastless tracks for high-speed rails. The method includes the following steps: S1, placing a second feedback bracket on a track slab, and locating a feedback value point on a centerline of the track slab; S2, placing four first feedback brackets at four corners of the second feedback bracket respectively, and using a base to fix the first feedback brackets on a fine tuning frame; S3, moving a fine tuning truss to a designated position; moving a corresponding sliding support to align the elevation sensor with the central target of the first feedback plane, align the lateral sensor with the central target of the second feedback plane, and align the vertical sensor with the central target of the third feedback plane; and S4, using a total station and a supporting fine tuning system to complete the fine tuning operation of the track slab. The present invention is capable to reduce working procedures, avoid repetitive alignment and inspection by operators, reduce personnel investment and an error rate of placement, improve efficiency and precision of fine tuning operations, and shorten the time of fine tuning operations.

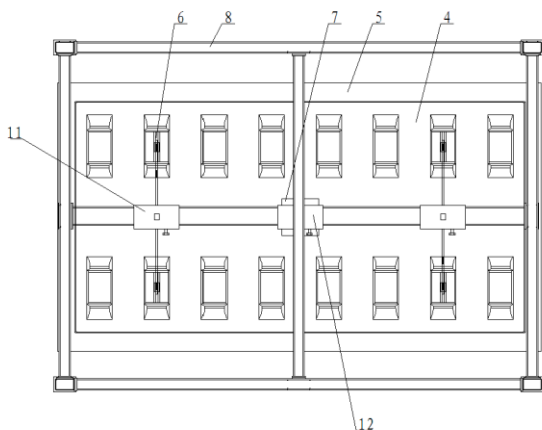
71: CHINA RAILWAY THIRD DIVISION GROUP CO., LTD., CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD.

72: FANG, Zhigang, WAN, Yunqian, TAN, Xu, SHEN, Xuesong, WU, Yongzhen, FU, Chongyang, XIE, Shuju, SUN, Mingyu, ZHANG, Qiangqiang, WANG, jingwei, SUN, Longhua, ZHANG, Zefeng, ZHAO, Jun, SUN, Bin

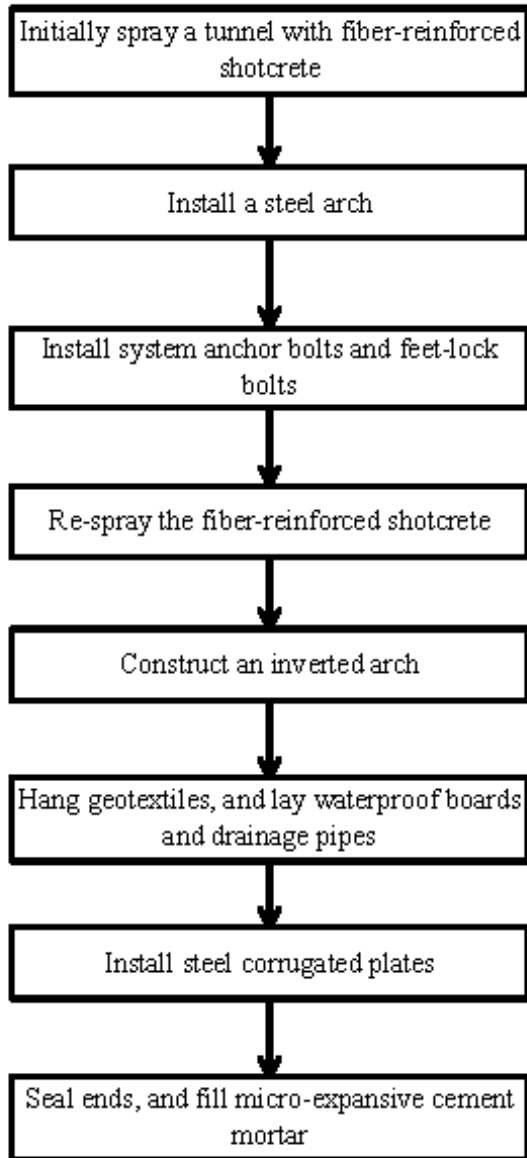
54: CONSTRUCTION METHOD FOR A PREFABRICATED LINING STRUCTURE OF TUNNEL

00: -

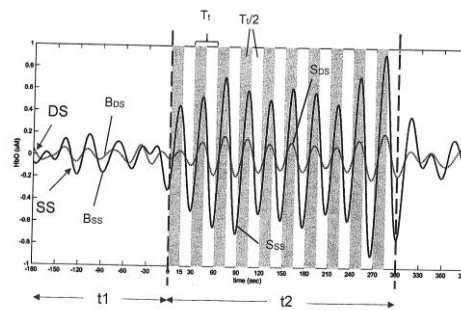
The present invention discloses a construction method for a prefabricated lining structure of a tunnel, and relates to the technical field of tunnel lining. The method includes initial spraying of polypropylene fiber-reinforced shotcrete for a tunnel, installation of steel arches, installation of system anchor bolts and feet-lock bolts, re-spraying of fiber-reinforced shotcrete, construction of inverted arches, hanging of geotextiles, installation of steel corrugated plates, sealing of ends, and grouting filling. The present invention improves the tensile strength and impermeability of shotcrete, and reduces the use of lining trolleys. Compared to conventional techniques, the present invention optimizes construction procedures, accelerates the construction progress, improves construction efficiency, reduces unforeseeable safety hazards caused by numerous and complex crossing and parallel operations, saves construction costs, reduces use of concrete, and achieves significant low-carbon and energy-saving effects.



21: 2024/01127. 22: 2024/02/05. 43: 2024/08/08
51: E02D; E21D



emitter (2) and respective proximal and distal near-infrared detectors (3) on the skin of the head of the subject (1); during a baseline recording stage (t_1) with the subject in resting-state, record near-infrared signals, the recorded signals comprising a baseline deep-signal (BDS) and a baseline shallow-signal (BSS); calculate a scaling factor (K) between the amplitude of the baseline deep-signal and the baseline shallow-signal at a given task-frequency (f_t); with the subject undergoing a cyclic cerebral stimulation at the task-frequency during a stimulation recording stage (t_2), record near-infrared signals, the recorded signals comprising a shallow-signal (SSS) and a deep-signal (SDS); and applying the scaling factor to the shallow-signal, calculating the cerebral signal at the task-frequency as the difference between the deep-signal and the scaled shallow-signal, at the task-frequency (f_t).



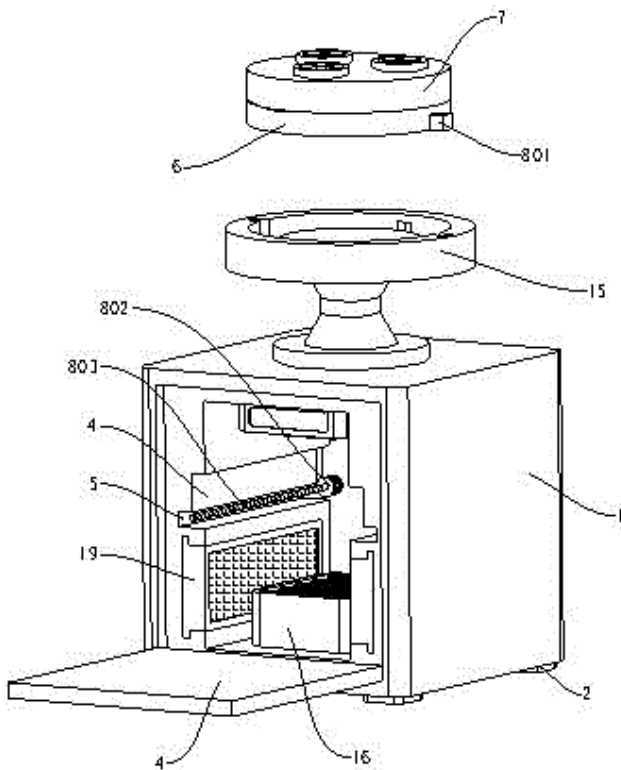
21: 2024/01160. 22: 2024/02/06. 43: 2024/08/15
 51: C12M
 71: Putian University
 72: Lihong Han, Xiaomei Li, Bin Yan
 33: CN 31: 202410159934.3 32: 2024-02-04

54: CULTURE DISH FOR REGENERATING LIVER TISSUE

00: -
 The invention relates to the field of regenerative culture, in particular to a culture dish for regenerating liver tissue. Technical problem: in the process of liver tissue regeneration, it is difficult to ventilate or seal the liver tissue culture according to the needs of different experiments, and the culture dish needs to be opened frequently, which is easy to affect the effect of liver tissue regeneration and does not have the functions of constant temperature and humidity. The technical scheme is that the liver tissue regeneration culture dish comprises an outer protective housing, an observation component, a

21: 2024/01139. 22: 2024/02/05. 43: 2024/08/08
 51: A61B
 71: NEWMANBRAIN, S.L.
 72: IBAÑEZ BALLESTEROS, Joaquin, MOLINA RODRIGUEZ, Sergio, BELMONTE MARTINEZ, Carlos
 33: EP 31: 21382675.3 32: 2021-07-23
 33: EP 31: 21382733.0 32: 2021-08-03
54: A METHOD TO OBTAIN A NEAR-INFRARED SPECTROSCOPY CEREBRAL SIGNAL
 00: -
 A method to obtain a near-infrared spectroscopy (fNIRS) cerebral signal (SCS) in a subject (1), comprising the steps of: placing a near-infrared

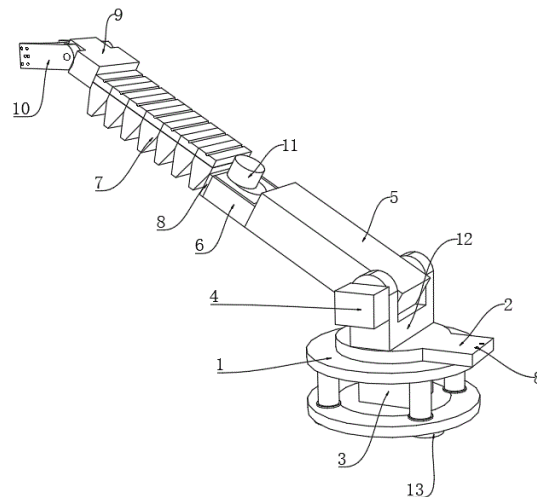
placing component, a heating component and a drying component. According to the invention, by arranging the observation component, workers can check the real-time situation of liver tissue regeneration and culture at any time by connecting the mobile phone, rotate the rotating disc according to the culture needs, and can ventilate or seal the liver tissue; and then, through the heating component and the drying component, it is convenient to maintain the normal growth of liver tissue cells at a constant temperature, and can also absorb excess water in the culture dish, which is helpful to control the humidity of the culture environment.



21: 2024/01166. 22: 2024/02/06. 43: 2024/08/15
 51: B25J
 71: Xinyu University
 72: Zhang Bao, Zhang Jie, Zhu Xuexuan, Wang Haizhen, Liu Gui, Zhang Xiaoxin, Zhou Bin, You Mengjie, Gong Qian
 33: CN 31: 202410115661.2 32: 2024-01-26
54: MECHANICAL ARM WITH FLEXIBLE STRUCTURE
 00: -

The present invention provides a mechanical arm with a flexible structure, including a base. A first

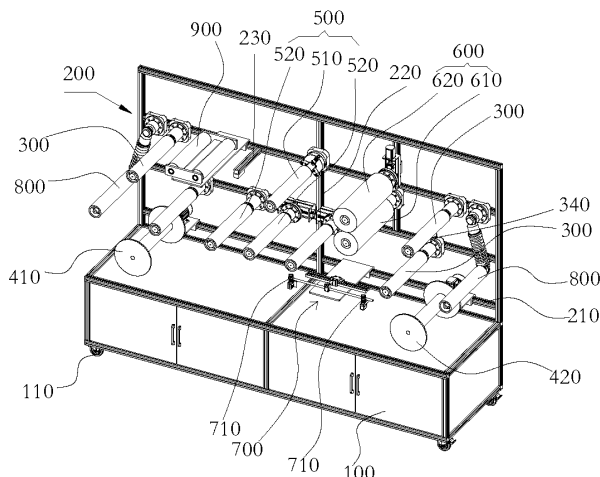
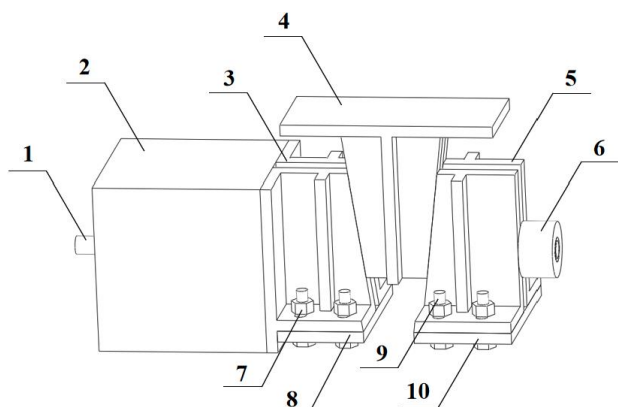
steering engine is fixedly connected to a central position of a bottom of an inner wall of the base, an output end of the first steering engine penetrates through and is fixedly connected to a rotating base, a first rotating frame is fixedly connected to a top of the rotating base, and a large arm support is rotatably connected to a top of the first rotating frame. In the present invention, a variety of functions are designed to switch at will, and there are five jaw structures for users to select from: a four-finger flexible jaw, a two-finger flexible jaw, an electromagnet suction cup, a silica gel negative pressure suction cup and a scrubbing part, to adapt to different application scenarios and perform self-replacement and assembly.



21: 2024/01168. 22: 2024/02/06. 43: 2024/08/15
 51: G01N
 71: FUZHOU UNIVERSITY
 72: YANG, Yan, ZHANG, Wei
 33: CN 31: 2024201063952 32: 2024-01-16
54: A WEDGING TYPE TEST DEVICE FOR PULLING OUT REBARS
 00: -

The present invention discloses a wedging type test device for pulling out rebars, which belongs to the field of civil engineering and comprises a device 1, a backing board of the device 1, a device 2, a backing board of the device 2, a rebar anchorage device, eight sets of bolts and nuts and a wedge-shaped pressure applying structure. The wedge-shaped pressure applying structure converts pressure into pulling force, then transfers the load to the test piece

from the device 1 and the device 2, and the test for pulling out rebars is completed, and the loading of rebars for the test for pulling out rebars is achieved in a press.

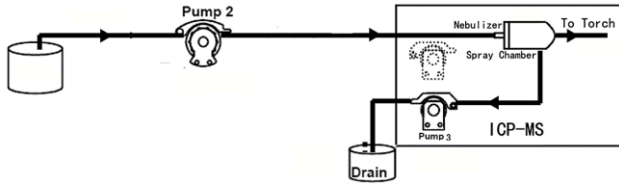


21: 2024/01180. 22: 2024/02/06. 43: 2024/08/15
 51: G01M
 71: SHENZHEN TECHNOLOGY UNIVERSITY
 72: XU, Binbin, MA, Boquan, CHEN, Fei, YANG, Zheng, ZHOU, Xin, QU, Zege
 33: CN 31: PCT/CN2023/102743 32: 2023-06-27
54: APPARATUS AND METHOD FOR DETECTING RELIABILITY OF ROLLER USED IN LITHIUM BATTERY TECHNOLOGY

00: -
 Disclosure is an apparatus and a method for detecting reliability of a roller used in lithium battery technology, by arranging transport rollers, an inputting and winding mechanism, a tension loading mechanism, a roller pressure loading mechanism, and a visual detection mechanism at a loading platform, loading test of a tension roller to be detected and/or a pressure roller to be detected is achieved. A tension on the tension roller is adjusted by the tension loading mechanism, and a distance between the pressure roller pair is adjusted by the roller pressure loading mechanism, so that load on the roller under various working conditions can be simulated. A surface image of the roller is collected in real time by the visual detection mechanism and is analyzed to obtain the surface and outer-diameter wear conditions of the roller under various working conditions, the reliability of the roller is further analyzed. Compared with the prior art, the surface quality of the roller can be obtained under various conditions, so as to analyze the reliability of the roller.

21: 2024/01193. 22: 2024/02/07. 43: 2024/08/15
 51: G01N
 71: South China Sea Ecological Center of Ministry of Natural Resources (MNR)
 72: Ni Zhixin, Li Tuanjie, Chen Xin, Li Yingzhi, Lu Chuqian, Wang Xiaojuan, Jia Houlei, Huang Yangzhou, Zhang li, Liu Tao, Zhang Minxia, An Mingming, Chen Changshu, Deng Wei, Zhou Peng, Lv Yihua, Peng Xiaojuan, Yuan Lei, Ye Jianping, Yang Jiayu, Chen Zhiqiang, Gao Yang, Liu Jingqin, Lv Yanru
54: A METHOD OF ISOTOPE TRACING FOR ASSESSING THE BIOAVAILABILITY OF HEAVY METALS IN SEDIMENTS FROM CORAL REEFS, MANGROVES, AND SEAGRASS BEDS USING ICP-MS

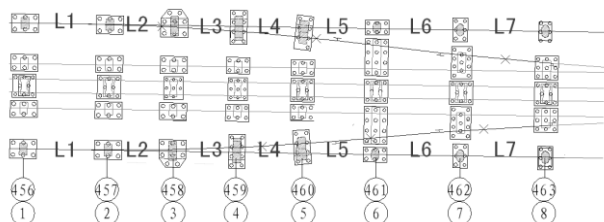
00: -
 The present invention relates to a method for Assessing the Bioavailability of Heavy Metals in Sediments of Coral Reefs, Mangroves, and Seagrass Beds Using Isotope Tracing with ICP-MS, Pertaining to the Field of Heavy Metal Detection Technology. The method includes the following steps: Determination of Total Heavy Metals in Sediments: Measuring the total amount of heavy metals present in the sediments. Isotope Labeling Tracing: Synthesizing sediments with differently labeled lead isotopes (²⁰⁶Pb, in the form of lead nitrate) for ion exchangeable lead, and adding them to the sediments. Bioavailability Extraction: Treating the sediment samples with bovine serum albumin solution, followed by shaking and extraction. Determination of Heavy Metal and Isotope Contents in Bovine Serum Albumin with ICP-MS: Measuring the content of heavy metals and isotopes in bovine serum albumin using ICP-MS."



21: 2024/01194. 22: 2024/02/07. 43: 2024/08/15
 51: E01B; E04C
 71: CHINA RAILWAY THIRD DIVISION GROUP CO., LTD., CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD.
 72: SONG, Zhijian, ZHOU, Ming, SHAO, Shuilian, CUI, Xiaozhi, ZHANG, Chunlong, GONG, Wentong, FU, Chongyang, XU, Qinpei, Li, Weichao, CHEN, Jianxi, ZHANG, Zefeng, SUN, Longhua, MA, Jiajun, LING, Shuaijie

54: COMPOSITE BEAM MOVEMENT CONSTRUCTION METHOD FOR TRANSFORMING EXISTING ELEVATED STATION OF HIGH-SPEED RAILWAY

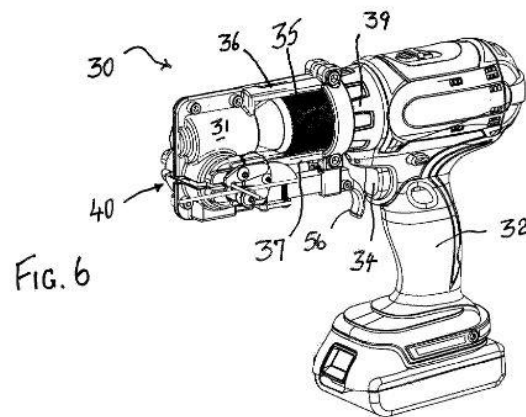
00: -
 Disclosed is a composite beam movement construction method for transforming an existing elevated station of a high-speed railway. The method includes: carrying out preparatory work; determining a positional relation between a beam movement operation and a business line; carrying out, by a beam movement apparatus tooling, operations of jacking tooling, a translation tooling and a horizontal rotation tooling; constructing beam movement of an existing beam; carrying out preparation before beam movement: completing erection of a construction platform, jacking operation of a beam body, and a construction operation of pad stone; constructing beam movement: determining beam movement parameters, and then constructing beam movement; constructing beam movement of a newly built beam; constructing casting of a beam body in situ; and constructing transverse movement of the newly built beam, which includes: installing a beam movement apparatus, transversely moving the beam body, lowering a beam and installing a support seat.



21: 2024/01211. 22: 2024/02/07. 43: 2024/08/15
 51: B23B; B25B; B25F; E04H
 71: WIREMAN PTY LIMITED
 72: LOWREY, Ian
 33: AU 31: 2021902924 32: 2021-09-09

54: A FENCING ATTACHMENT FOR A HAND HELD POWER TOOL

00: -
 A fencing attachment (30) for a power tool (32) is disclosed. The attachment housing (31) has a mouth (40), and an engagement means to permit the attachment to be powered by the power tool. A gear train drives a rotor (44). The rotor has a longitudinally extending radial slot which reaches its axis of rotation. The rotor is mounted facing a mouth (40). There is at least one winding arm (51) mounted exterior of the housing, being rotatable with the rotor, and carrying a sheave (52) rotatably mounted on the winding arm at a location radially spaced from the axis of rotation. The mouth can envelop a first stationary wire (1) and locate same within the rotor substantially co-incident with the axis of rotation. A second wire (2) can be engaged with the sheave, and rotation of the rotor winds the second wire around the first wire.

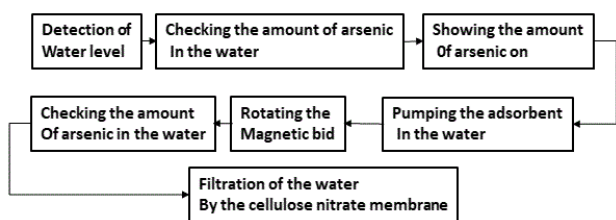


21: 2024/01250. 22: 2024/02/09. 43: 2024/08/15
 51: A01N; C22B; E03B
 71: Dr. Santanu Koley, Dr. Milan Hait, Dr. Debnarayan Khatua, Dr. Gourisankar Roymahapatra, Dr. Himadri Sekhar Das, Dr. Nanda Kumar Kashyap, Bidisha Bera, Aditya Shankar Ghosh, Suvankar De, Sudarshan Chakra Mandal, Janmejay Sahoo
 72: Dr. Debnarayan Khatua, Dr. Santanu Koley, Dr. Gourisankar Roymahapatra, Dr. Himadri Sekhar

Das, Dr. Milan Hait, Dr. Nanda Kumar Kashyap, Bidisha Bera, Aditya Shankar Ghosh, Suvankar De, Sudarshan Chakra Mandal, Janmejey Sahoo

54: AN EFFICIENT SYSTEM AND METHOD FOR REMOVAL OF ARSENIC FROM WATER

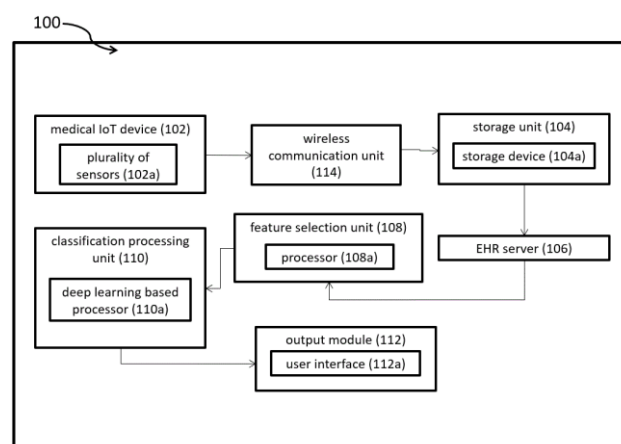
00: -
 This invention pertains to a novel method and device designed for the highly effective removal of arsenic from drinking water, addressing a critical issue in water purification. The method involves the passage of contaminated water through a specially designed adsorption unit containing a granular adsorbent material with a high affinity for arsenic. PH adjustment is implemented to optimize adsorption efficiency, and the treated water is collected after a predetermined contact time, resulting in a significant reduction in arsenic concentration. The accompanying device integrates key components such as an inlet for contaminated water, an adsorption unit, a pH adjustment system, a retention chamber, and an outlet for discharging treated water. The invention offers a comprehensive solution for arsenic removal, ensuring the provision of safe and potable drinking water for communities facing arsenic contamination challenges. Fig. 4 will be the reference figure.



21: 2024/01252. 22: 2024/02/09. 43: 2024/08/15
 51: G06Q
 71: PRASANALAKSHMI BALAJI, THAVAVEL VAIYAPURI, MOUSMI AJAY CHAURASIA, ANANDHAVALLI MUNIASAMY, MARIYAM AYSHA BIVI
 72: PRASANALAKSHMI BALAJI, THAVAVEL VAIYAPURI, MOUSMI AJAY CHAURASIA, ANANDHAVALLI MUNIASAMY, MARIYAM AYSHA BIVI
54: A SMART HEALTHCARE SYSTEM FOR INFECTIOUS DISEASE PREDICTION AND A METHOD THEREOF

00: -
 The present invention relates to a smart healthcare system for predicting infectious disease at an early stage, and a method thereof. This invention

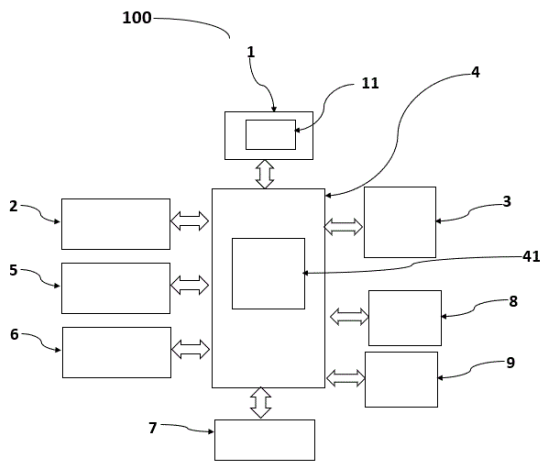
revolutionizes epidemic disease prediction by integrating a deep learning approach as an alternative to traditional healthcare systems. Utilizing the Manhattan Hessian Locally-Linear Embedding technique in the initial neural network layer expedites prediction time by reducing dataset dimensionality. The technique distinguishes relevant features based on Manhattan distance measures, enhancing subsequent analyses. Classification employs Tucker coefficient of congruence regression, deeply analyzing training and testing disease data for accurate predictions. Positive similarity levels are crucial at the output layer, ensuring precise disease identification and minimizing incorrect predictions. The system focuses on error reduction, emphasizing accuracy and reliability in epidemic disease prediction. This invention not only advances predictive capabilities but also streamlines the identification process, contributing to effective disease control and mitigation.



21: 2024/01293. 22: 2024/02/12. 43: 2024/08/15
 51: G06Q
 71: Dr. Murugesan Selvam, Dr. J.M. Velmurugan, Dr. S. Mohan, Elavarasan Chinnaraj, Sakthivel Santhoshkumar, Dr. Basuvaraj Marappan, Dr. Ashutosh Mohan, Dr. Ishi Mohan
 72: Dr. Murugesan Selvam, Dr. J.M. Velmurugan, Dr. S. Mohan, Elavarasan Chinnaraj, Sakthivel Santhoshkumar, Dr. Basuvaraj Marappan, Dr. Ashutosh Mohan, Dr. Ishi Mohan
54: CNN AND IMAGE PROCESSING BASED DEVICE FOR EVALUATION AND ANALYSIS OF FINANCIAL REPORT

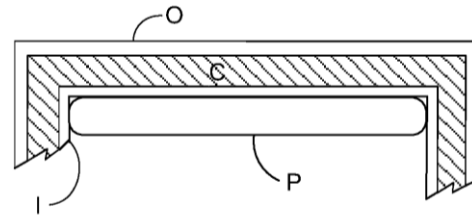
00: -

The present invention relates to a financial analysis device equipped with advanced image capture, fraud detection, consumer identification, and data analysis capabilities, aimed at providing comprehensive financial document analysis, fraud detection, and market trend forecasting. Through the use of convolutional neural networks (CNN), intelligent adaptive learning, and time series analysis, the device offers accurate financial predictions and analyses, enhancing user experience with multi-language support and auditory output features.



21: 2024/01353. 22: 2024/02/14. 43: 2024/07/03
 51: B32B
 71: INNOVIA FILMS LTD
 72: SINGH, Shalendra, LEWUCHA, Cezary
 33: GB 31: 2105310.3 32: 2021-04-14
 33: GB 31: 2111513.4 32: 2021-08-11
54: NAKED COLLATION PACKAGE FILM
 00: -

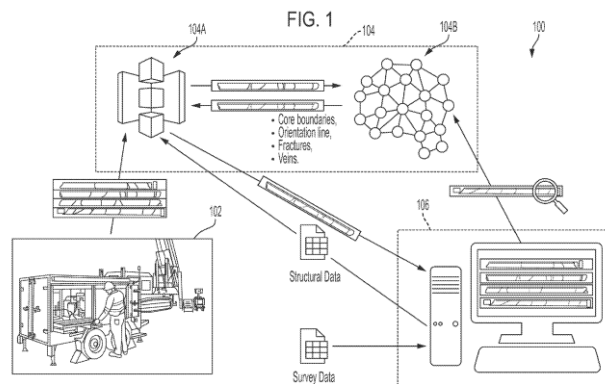
A naked collation film comprises a core layer (C), an inner sealing layer (I) of polyolefinic material and an outer sealing layer (O) of polyolefin material, each sealing layer comprising at least two, and preferably three, polyolefins selected from C4, and at least one of C2 and C3 polyolefins. At least one of the inner layer and the outer layer has at least one of: i. a C4 content of greater than about 10mol%; ii. a C4/C2 molar ratio of at least about 1.2; and/or iii. a C4/C3 molar ratio of at least about 0.15. The collation film is preferably non-blocking and has a large incompatibility window with the individually wrapped packages (P) of a naked collation package and has a strong optical performance.



21: 2024/01496. 22: 2024/02/20. 43: 2024/07/03
 51: G06K
 71: LONGYEAR TM, INC.
 72: GEORGE, Luke
 33: US 31: 63/062,975 32: 2020-08-07

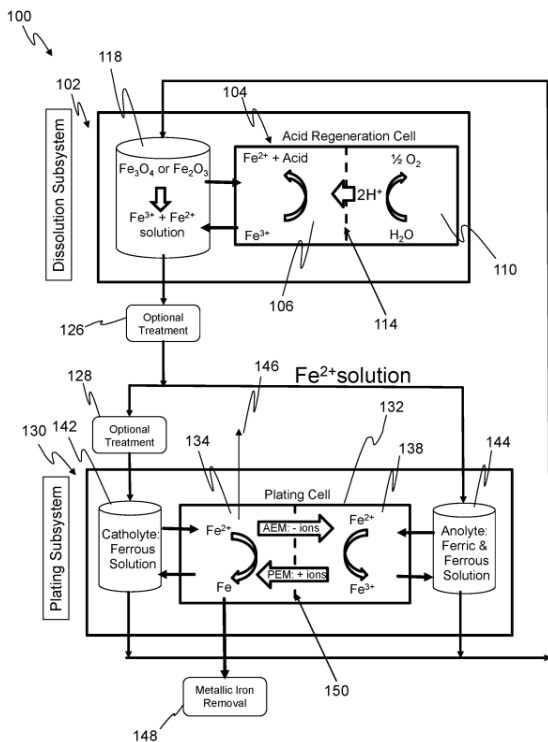
54: SYSTEMS AND METHODS FOR IMPROVED CORE SAMPLE ANALYSIS

00: -
 Provided herein are methods and systems for improved core sample analysis. At least one image of a core sample may be analyzed to determine structural data associated with the core sample (e.g., attributes of the core sample). A machine learning model may analyze the at least one image and determine one or more attributes associated with the core sample. The machine learning model may generate a segmentation mask. An output image may be generated. A user may interact with the output image and provide one or more user edits. The one or more user edits may be provided to the machine learning model for optimization thereof.

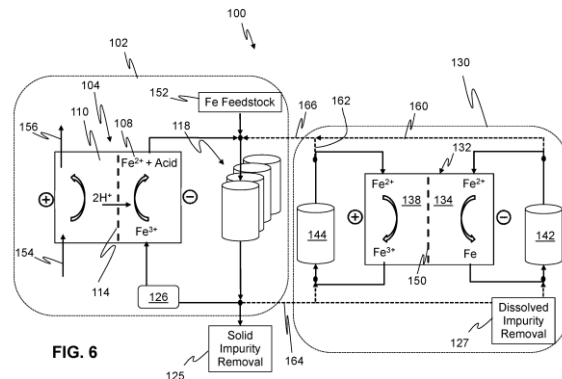


21: 2024/01628. 22: 2024/02/26. 43: 2024/07/04
 51: C21B; H01M
 71: ELECTRASTEEL, INC.
 72: PHAM, Ai Quoc, NIJHAWAN, Sandeep, ALVAREZ, Adolfo, WALLACE, Colleen, FATUR, Steven
 33: US 31: 63/165,502 32: 2021-03-24
54: 2-STEP IRON CONVERSION SYSTEM

00: -
 Methods and systems for producing iron are disclosed. A method for producing iron, for example, comprises: providing an iron-containing ore to a dissolution subsystem comprising a first electrochemical cell; wherein the first anolyte has a different composition than the first catholyte; dissolving at least a portion of the iron-containing ore using an acid to form an acidic iron-salt solution having dissolved first Fe³⁺ ions; providing at least a portion of the acidic iron-salt solution to the first cathodic chamber; first electrochemically reducing said first Fe³⁺ ions in the first catholyte to form Fe²⁺ ions; transferring the formed Fe²⁺ ions from the dissolution subsystem to an iron-plating subsystem having a second electrochemical cell; second electrochemically reducing a first portion of the transferred formed Fe²⁺ ions to Fe metal at a second cathode of the second electrochemical cell; and removing the Fe metal.



Methods and systems for producing iron from an iron-containing ore and removing impurities found in the iron-containing ore are disclosed. For example, a method for producing iron comprises providing a feedstock having an iron-containing ore and one or more impurities to a dissolution subsystem comprising a first electrochemical cell; producing an iron-rich solution, in the dissolution subsystem; treating the iron-rich solution to remove at least a portion of one or more impurities by raising a pH of the iron-rich solution from an initial pH to an adjusted pH thereby precipitating at least a portion of the one or more impurities in the treated iron-rich solution; delivering the treated iron-rich solution to an iron-plating subsystem having a second electrochemical cell; second electrochemically reducing at least a first portion of the transferred formed Fe²⁺ ions to Fe metal; and removing the Fe metal from the second electrochemical cell thereby producing iron.

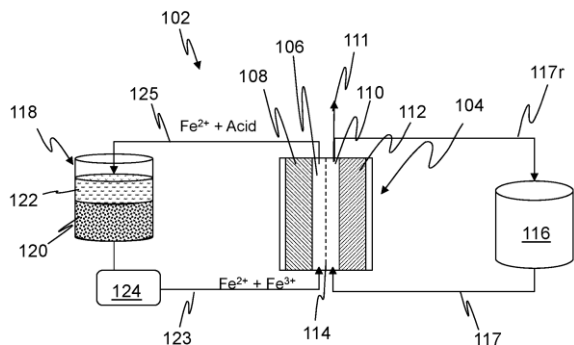


21: 2024/01629. 22: 2024/02/26. 43: 2024/07/04
 51: C01G; B82Y
 71: ELECTRASTEEL, INC.
 72: PHAM, Ai Quoc, NIJHAWAN, Sandeep,
 ALVAREZ, Adolfo, FATUR, Steven
 33: US 31: 63/165,502 32: 2021-03-24
**54: IMPURITY REMOVAL IN AN IRON
 CONVERSION SYSTEM**
 00: -

21: 2024/01630. 22: 2024/02/26. 43: 2024/07/04
 51: C01G; C04B; H01F
 71: ELECTRASTEEL, INC.
 72: PHAM, Ai Quoc, NIJHAWAN, Sandeep,
 ALVAREZ, Adolfo, FATUR, Steven
 33: US 31: 63/165,502 32: 2021-03-24
**54: ORE DISSOLUTION AND IRON CONVERSION
 SYSTEM**
 00: -

Methods and systems for dissolving an iron-containing ore are disclosed. For example, a method of processing and dissolving an iron-containing ore comprises: thermally reducing one or more non-magnetite iron oxide materials in the iron-containing ore to form magnetite in the presence of a reductant, thereby forming thermally-reduced ore; and dissolving at least a portion of the thermally-reduced ore using an acid to form an acidic iron-salt solution; wherein the acidic iron-salt solution comprises

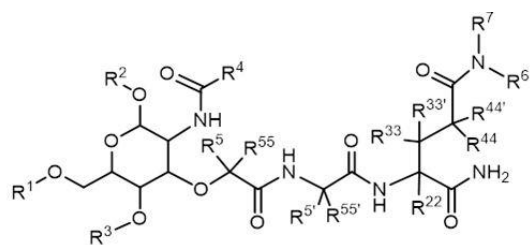
protons electrochemically generated in an electrochemical cell.



21: 2024/02459. 22: 2024/03/27. 43: 2024/06/07
 51: A61K; C07D
 71: TRAINED THERAPEUTIX DISCOVERY, INC.,
 ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
 72: JANSSEN, Henricus Marie, HOEBEN, Freek
 Johannes Maria, GENABEEK, Bas Van,
 SONTJENS, Serge Hendrikus Mathijs, MULDER,
 Willem M.J.

33: US 31: 63/163,428 32: 2021-03-19
**54: COMPOUNDS FOR REGULATING TRAINED
 IMMUNITY, AND THEIR METHODS OF USE**

00: -
 Provided herein are compounds of Formula (I), as
 well as compositions comprising a compound of
 Formula (I) and uses thereof.



(I)

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

NOTICE OF CHANGE OF ADDRESS FOR TSHAYA MASHABELA ATTORNEYS

1 MARK SHUTTLEWORTH STREET, LYNNWOOD, PRETORIA, 0087 to Harrier Place, 189 Lunnon Rd, Hillcrest, Lynnwood, Pretoria, 0083

3. DESIGNS

DESIGNS**APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993**

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

- APPLIED ON 2024/07/29 -

A2024/00754 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

A2024/00746 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

A2024/00753 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

A2024/00744 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

A2024/00745 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

A2024/00742 - EDWARD SNELL AND COMPANY (PTY) LTD Class 09. A BOTTLE

A2024/00748 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

A2024/00752 - Carolina Herrera Ltd Class 9. BOTTLES

A2024/00743 - EDWARD SNELL AND COMPANY (PTY) LTD Class 09. A BOTTLE

A2024/00747 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

A2024/00750 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

A2024/00749 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

A2024/00751 - Beiersdorf AG Class 32. GRAPHIC DESIGNS

- APPLIED ON 2024/07/30 -

A2024/00756 - OMEGA SA (OMEGA AG) (OMEGA LTD.) Class 10. WATCH

A2024/00755 - OMEGA SA (OMEGA AG) (OMEGA LTD.) Class 10. WATCH

A2024/00758 - HOLFELD, Barry Graeme Class 08. A ROCK ANCHOR EXPANSION ASSEMBLY

F2024/00757 - HOLFELD, Barry Graeme Class 08. A ROCK ANCHOR EXPANSION ASSEMBLY

- APPLIED ON 2024/07/31 -

F2024/00762 - SMART LOCKING LOGIC (PTY) LTD Class 14. A TERMINATION PANEL FOR OPTICAL FIBRE CABLES

A2024/00768 - DOUGAN H. CLARKE Class 3. UPPER UMBRELLA HUB ASSEMBLY

F2024/00763 - Ryk Eksteen Inc Class 21. EXERCISE WEIGHT

F2024/00760 - GURTECH (PTY) LTD Class 15. 90 DEGREE AIR CHUCK

F2024/00771 - Goffredo Mugnaioni Class 25. BRICKS

A2024/00767 - DOUGAN H. CLARKE Class 3. LOWER UMBRELLA HUB ASSEMBLY

A2024/00772 - FLENDER INDUSTRIEGETRIEBE GMBH Class 12. GEARBOX CASING

F2024/00764 - JOHANNES ALBERTUS LOUBSER BEYERS Class 12. WING MOUNTING FOR AN UNMANNED AERIAL VEHICLE

A2024/00770 - Chanel Limited Class 28. CONTAINERS

A2024/00769 - Chanel Limited Class 09. CONTAINERS

A2024/00759 - GURTECH (PTY) LTD Class 15. 90 DEGREE AIR CHUCK

F2024/00765 - JOHANNES ALBERTUS LOUBSER BEYERS Class 12. BOOM FOR AN UNMANNED AERIAL VEHICLE

F2024/00766 - JOHANNES ALBERTUS LOUBSER BEYERS Class 12. FUSELAGE FOR AN UNMANNED AERIAL VEHICLE

F2024/00761 - STOP4TH BOERDERY (PTY) LTD Class 07. BARBECUE GRID SUPPORTS

. - APPLIED ON 2024/08/01 -

A2024/00775 - Industrie Borla S.p.A. Class 24. DRIP CHAMBERS WITH FLOW REGULATORS

A2024/00777 - Industrie Borla S.p.A. Class 24. DRIP CHAMBERS WITH FLOW REGULATORS

A2024/00774 - Industrie Borla S.p.A. Class 24. MEDICAL INSTRUMENTS

A2024/00773 - FLENDER INDUSTRIEGETRIEBE GMBH Class 12. GEARBOX CASING

A2024/00776 - Industrie Borla S.p.A. Class 24. MEDICAL INSTRUMENTS

. - APPLIED ON 2024/08/02 -

F2024/00778 - VAN DER MERWE, Dries Class 25. A FOUNDATION FOR A BUILDING

. - APPLIED ON 2024/08/05 -

A2024/00782 - SHENZHEN SHUYE TECHNOLOGY CO., LTD. Class 28. ELECTRIC SHAVER

A2024/00779 - FERRARI S.P.A. Class 12. CAR

A2024/00781 - SHENZHEN SHUYE TECHNOLOGY CO., LTD. Class 28. ELECTRIC SHAVER

A2024/00780 - FERRARI S.P.A. Class 21. TOY CAR

A2024/00783 - MARCO DA SILVA Class 03. WALLET

- APPLIED ON 2024/08/06 -

F2024/00784 - University of the Witwatersrand, Johannesburg Class 25. GEOGRIDS

A2024/00785 - SELAOTSWE THOBEJANE Class 02. OLAAA: WEAR THE UNIVERSE

- APPLIED ON 2024/08/07 -

A2024/00787 - RHODES UNIVERSITY Class 24. LABORATORY TOOLS

A2024/00791 - KalVista Pharmaceuticals Limited Class 28. PHARMACEUTICAL TABLETS

A2024/00788 - BATHU SWAG (PTY) LIMITED Class 2. FOOTWEARS

A2024/00792 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

F2024/00786 - KITCHIN, BRANDON WARRON Class 09. BAG WITH INTEGRATED STORAGE COMPARTMENTS

F2024/00789 - RHODES UNIVERSITY Class 24. LABORATORY TOOLS

A2024/00793 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2024/00790 - KalVista Pharmaceuticals Limited Class 28. PHARMACEUTICAL TABLETS

- APPLIED ON 2024/08/08 -

A2024/00797 - ROLEX SA Class 2. CUFFLINK

A2024/00796 - ROLEX SA Class 2. CUFFLINK

A2024/00794 - ROLEX SA Class 10. TABLE CLOCK

A2024/00795 - ROLEX SA Class 2. CUFFLINK

- APPLIED ON 2024/08/12 -

A2024/00801 - PVH Production A/S Class 08. COAT PEGS

F2024/00804 - GROBLER, TJAART JOHANNES Class 25. MODULAR BRACKETS

A2024/00799 - EDWARD DAVIES COMMERCIALS LIMITED Class 12. FRONT BUMPER WITH GRILLE FOR A VEHICLE

A2024/00802 - PVH Production A/S Class 08. HAND TOOLS

A2024/00803 - PVH Production A/S Class 08. TOOLS

A2024/00800 - EDWARD DAVIES COMMERCIALS LIMITED Class 12. REAR BUMPER FOR A VEHICLE

A2024/00798 - EDWARD DAVIES COMMERCIALS LIMITED Class 12. VEHICLE

- APPLIED ON 2024/08/14 -

A2024/00805 - Bermad CS LTD. Class 23. AIR VALVES

- APPLIED ON 2024/08/15 -

F2024/00810 - Marco da Silva Class 03. WALLET

A2024/00808 - OMNI UNITED (S) PTE LTD Class 12. TYRE SIDEWALL

A2024/00809 - OMNI UNITED (S) PTE LTD Class 12. TYRE TREAD

F2024/00806 - SHIGUANG JING Class 9. EYELASH CASE

F2024/00807 - BANTJES, Neville Don Class 25. CLADDING PRODUCT

- APPLIED ON 2024/08/16 -

A2024/00812 - DWERGIE INVESTMENT TRUST Class 09. A LID FOR A CONTAINER

F2024/00811 - REEFER AIR FLOW TECHNOLOGIES (PTY) LTD Class 23. A BAFFLE EXTENDER

F2024/00813 - DWERGIE INVESTMENT TRUST Class 09. A LID FOR A CONTAINER

- APPLIED ON 2024/08/19 -

F2024/00815 - JHB WHEELS CC Class 12. WHEEL

F2024/00814 - JHB WHEELS CC Class 12. WHEEL

- APPLIED ON 2024/08/20 -

A2024/00817 - WAHL CLIPPER CORPORATION Class 28. HAIR TRIMMER

A2024/00816 - WAHL CLIPPER CORPORATION Class 28. HAIR TRIMMER

- APPLIED ON 2024/08/21 -

A2024/00819 - JAGUAR LAND ROVER LIMITED Class 32. 2D LOGO

A2024/00820 - AISIWEI NEW ENERGY TECHNOLOGY (YANGZHONG) CO., LTD. Class 13. ENERGY STORAGE INVERTER COVER

A2024/00818 - JAGUAR LAND ROVER LIMITED Class 32. 3D LOGO

- APPLIED ON 2024/08/22 -

A2024/00822 - Beiersdorf AG Class 9. BOTTLES

A2024/00823 - Beiersdorf AG Class 9. BOTTLES

A2024/00824 - Beiersdorf AG Class 9. BOTTLES

A2024/00825 - ROLEX SA Class 10. WATCH DIAL

A2024/00821 - Beiersdorf AG Class 9. BOTTLES

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

Notice is hereby given that **MAGDALENA HENRIETTA ELIZABETHA PIETERS 145 LOSKOP STREET NEWLANDS PRETORIA EAST 0181** has made application for the restoration of the design registered to the said **MAGDALENA HENRIETTA ELIZABETHA PIETERS** for the Design **PUZZLES IN PERSPEX** application number: **A2019/00649** date **13/05/2019** which become void on **13/05/2022** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

Notice is hereby given that **FITT S.P.A. Via Piave 8, I-36100, Sandrigo Vicenza** has made application for the restoration of the design registered to the said **FITT S.P.A.** for the Design **FLEXIBLE HOSE** application number: **A2018/00413** date **15/03/2018** which become void on **20/09/2020** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof. Registrar of Designs

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

REPUBLIC OF SOUTH AFRICA

DESIGNS ACT, No. 195 OF 1993

APPLICATIONS TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION (SECTIONS 26, 27/REGULATION 41)

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED SHALL BE THOSE SET OUT IN PART II. AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY BE INSPECTED AND MAY BE OPPOSED

PART II

Design No: F2023/01020

Applicant: FD INDUSTRIES (PTY) LTD

Class: 09

Article to which the Design is to be applied. POT

Date of lodgment: 21/09/2023

Registrar of Designs

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

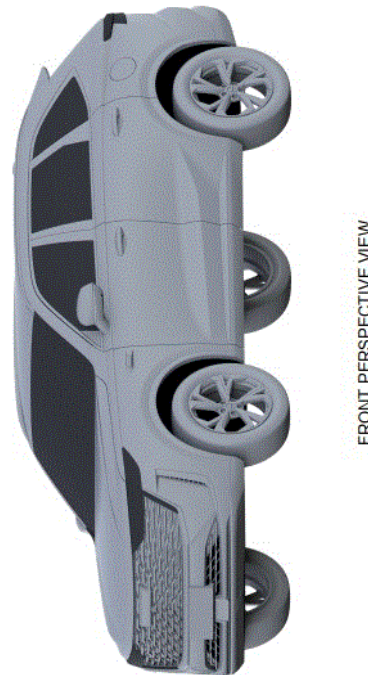
The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgment. **(23)** release date (if applicable). **(43)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

N.B.: Date of registration (43) is either Date of lodgment (22) or Date of convention of application (32) whichever is the earlier.

Registrar of Designs

21: A2022/00549 22: 2022-05-20 23:
 43: 2024-07-22
 52: Class 12 24: Part A
 71: GREAT WALL MOTOR COMPANY LIMITED
 33: CN 31: 202130764033.4 32: 2021-11-21
54: AUTOMOBILE
 57: The design is to be applied to an automobile.
 The features for which protection is claimed are those of shape and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2023/00201 22: 2023-02-16 23:
 43: 2022-08-16

52: Class 2 24: Part A
 71: Crocs, Inc.
 33: US 31: 29/850,033 32: 2022-08-16

54: FOOTWEAR

57: The design is for an article of footwear in the form of a slip-on shoe. The footwear has a sole with opposed top and bottom surfaces, a peripheral sidewall, and a vamp connected to the sole. The vamp defines an opening at a rear end thereof. A plurality of spaced circular openings is provided in the vamp. A peripheral rib extends around an upper edge of the sidewall. The thickness of the sole increases rearwardly from a central region of the shoe. The sole has a noticeably elevated face that has a slight upward inclination towards the front of the footwear. A band of raised formations is provided around the front, toe end of the vamp. A plurality of spaced apart roughly trapezium-shaped openings are provided on each side of the vamp. A plurality of ribs extend between the sole and the upper edge of the sidewall at longitudinally spaced apart positions.



Figure 1

Three-dimensional view

21: A2023/00507 22: 2023-04-24 23:
 43: 2022-10-25
 52: Class 12 24: Part A
 71: Bayerische Motoren Werke Aktiengesellschaft
 33: DE 31: 402022100820.1 32: 2022-10-25

54: MOTOR VEHICLES

57: The design is for a motor vehicle that is on the form a X-cross vehicle. A front bumper has an octagonal shaped frame. A grille is provided in the upper portion of the frame. The grille has a central portion and an array of openings on either side thereof. An elongate strip is provided below the grille. Triangular-shaped headlights with rounded edges are provided on either side of the front bumper. Trapezium shaped side windows are provided above each of the four doors. A trapezium shaped window is provided above the sides of a rear fender. Elongate bars are provided on either side of

a roof. A rear portion of the roof extends rearwardly. A flat trunk and rear window are provided. Rectangular shaped rear lights with rounded edges are provided on either side of the trunk. A rear bumper has a horizontal recessed central portion and vertically arranged recessed portions on the sides thereof.



Figure 1

Three-dimensional view

21: A2023/00611 22: 2023-05-23 23:
 43: 2023-01-13
 52: Class 9 24: Part A
 71: Castrol Limited
 33: GB 31: 6255214 32: 2023-01-13

54: CONTAINERS

57: The design is for a container, in particular a bottle for lubricants. The container comprises a rectangular upright body having an obround base, minor front and rear walls spaced apart by a pair of trapezium-shaped major sidewalls extending upwardly from the base, and a mouth. The mouth is offset towards a front of the bottle. A prominent handle having finger grips is provided at a top of the bottle and connects to the rear wall and slanted portions of the major sidewalls. A substantially circular aperture is defined between the handle and major sidewalls. Elongate decorative notches are provided on the edges of the sidewalls and frame the central portion of the major sidewalls. Decorative notches are also provided along the outer edges of the base along with decorative ridges along the central portion of the base.

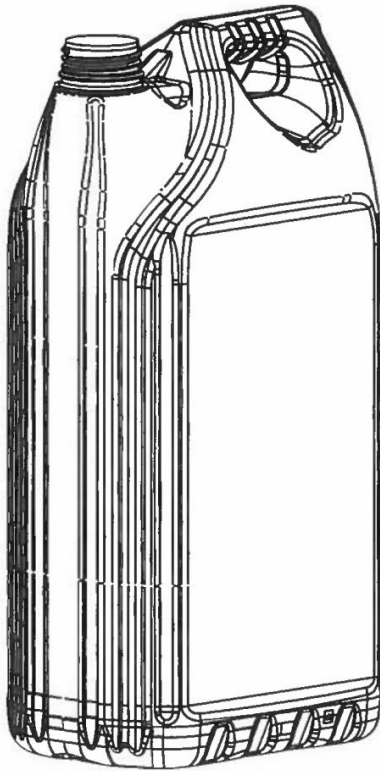


Figure 1

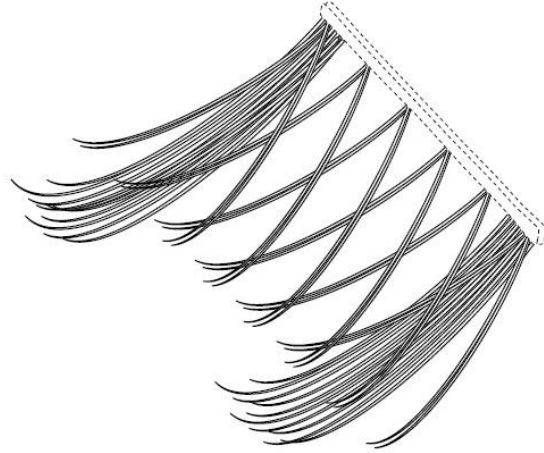
Three-dimensional view

21: A2023/00691 22: 2023-06-13 23: 2023-03-27
 43: 2023-12-14
 52: Class 28 24: Part A
 71: LASHIFY, INC.
 33: US 31: 29/888,039 32: 2023-03-27

54: FISHNET LASHES

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or ornamentation and/or pattern applied to eyelashes (FISHNET LASHES). The following figure descriptions are made with reference to the accompanying drawings. FIG. 1 is a perspective view of a first embodiment of FISHNET LASHES; FIG. 2 is a front view thereof; FIG. 3 is a back view thereof; FIG. 4 is a left side view thereof; FIG. 5 is a right side view thereof; FIG. 6 is a top view thereof; FIG. 7 is a bottom view thereof. FIG. 8 is a perspective view of a second embodiment of the FISHNET LASHES having broken lines illustrating portions of variable length; FIG. 9 is a front view thereof ; FIG. 10 is a back view thereof; FIG. 11 is a left side view thereof; FIG. 12 is a right side view thereof; FIG. 13 is a top view thereof; FIG. 14 is a bottom view thereof. The broken lines are included

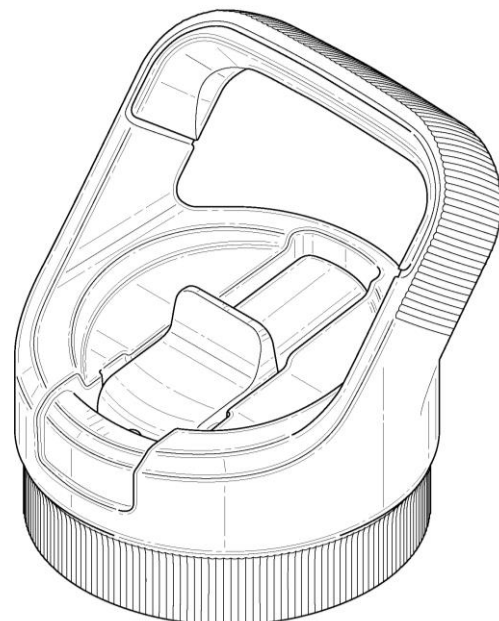
for the purpose of illustrating portions that are not claimed and/or portions of variable length and form no part of the claimed design. The application is for an ornamental design for FISHNET LASHES (eyelashes) as shown and described.



21: A2023/00698 22: 2023-06-19 23:
 43: 2024-07-16
 52: Class 07 24: Part A
 71: YETI Coolers, LLC
 33: US 31: 29/863, 237 32: 2022-12-16

54: A LID

57: The design is in respect of a lid having a shape and/or configuration and/or ornamentation and/or pattern as shown in the drawings. The lid is applied to a container in use to allow for the closure of the same and the containerisation of the contents thereof.



21: A2023/00817 22: 2023-07-19 23:
 43: 2023-04-06
 52: Class 2 24: Part A
 71: Skechers U.S.A., Inc. II
 33: US 31: 29/888,982 32: 2023-04-06

54: FOOTWEAR

57: The design is for footwear having a heel strap component for a sandal with the component having an approximate U-Shaped bend arching across the sole with the upper portion gradually curving rearward and the rearmost upper portion facing outward; the outer wall of the rearmost portion having a slight concave configuration which forms an upper lip curving around the collar of the rearmost portion; and L-shaped anchors on both ends of the claimed designs with edge that have more discrete angles and the inner edges gradually transforming into smoother angles as it approaches the upper portion of the component; and the inner surface of the upper component having a smooth convex curvature wherein the curvature is more pronounced at the rearmost portion.



Figure 1
 Three-dimensional view

21: A2023/01082 22: 2023-10-05 23:
 43: 2023-09-06
 52: Class 28 24: Part A
 71: Lashify, Inc.
 33: US 31: 29/901,882 32: 2023-09-06

54: LASH EXTENSIONS

57: The design is for a base for an artificial lash extension. The base includes a relatively thin elongate body having opposed longitudinally

extending side edges. A plurality of recesses is provided in one of the side edges of the body to provide the edge with a generally toothed appearance. A plurality of artificial hairs protrudes from the opposing side edge of the elongate body.

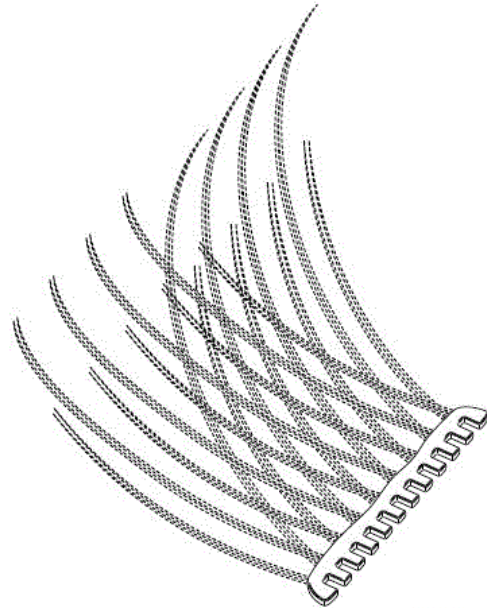


Figure 1
 Three-dimensional view

21: A2023/01083 22: 2023-10-05 23:
 43: 2024-06-06
 52: Class 8. 24: Part A
 71: SPECTRIS CANADA INC.
 33: US 31: 29/873,668 32: 2023-04-05

54: Sample Holder

57: The design relates to a sample holder. The features of the design are those of shape and/or configuration.

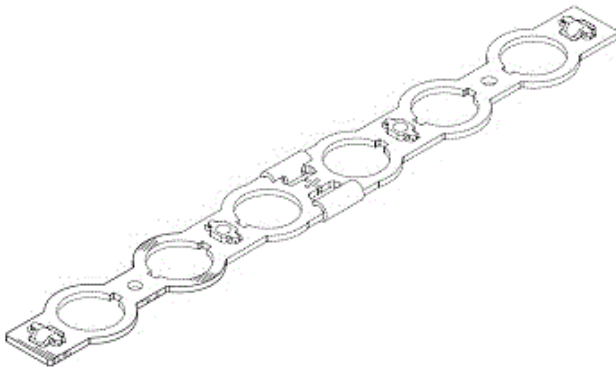


TOP PERSPECTIVE VIEW

21: A2023/01084 22: 2023-10-05 23:
43: 2024-06-06
52: Class 8. 24: Part A
71: SPECTRIS CANADA INC.
33: US 31: 29/873, 668 32: 2023-04-05

54: Sample Holder

57: The design relates to a sample holder. The features of the design are those of shape and/or configuration.



TOP PERSPECTIVE VIEW

21: A2023/01085 22: 2023-10-05 23:
43: 2024-06-06
52: Class 8. 24: Part A
71: SPECTRIS CANADA INC.
33: US 31: 29/873, 668 32: 2023-04-05

54: Sample Holder

57: The design relates to a sample holder. The features of the design are those of shape and/or configuration.



TOP PERSPECTIVE VIEW

21: A2023/01086 22: 2023-10-05 23:
43: 2024-06-06
52: Class 8. 24: Part A
71: SPECTRIS CANADA INC.

33: US 31: 29/873, 668 32: 2023-04-05

54: Sample Holder

57: The design relates to a sample holder. The features of the design are those of shape and/or configuration.

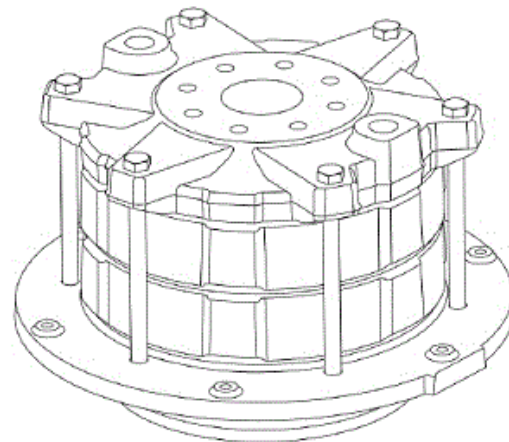


TOP PERSPECTIVE VIEW

21: A2023/01095 22: 2023-10-10 23:
43: 2024-06-06
52: Class 15. 24: Part A
71: XYLEM EUROPE GMBH
33: EM 31: 015017501-0001 32: 2023-04-11

54: Part of a Pump

57: The design relates to a part of a pump. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

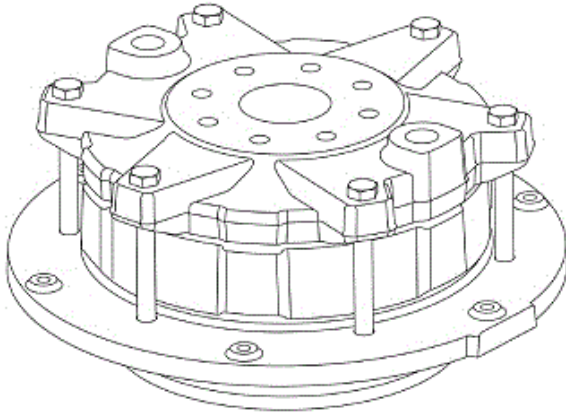


PERSPECTIVE VIEW

21: A2023/01096 22: 2023-10-10 23:
43: 2024-06-06
52: Class 15. 24: Part A
71: XYLEM EUROPE GMBH
33: EM 31: 015018154-0001 32: 2023-04-14

54: Part of a Pump

57: The design relates to a part of a pump. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

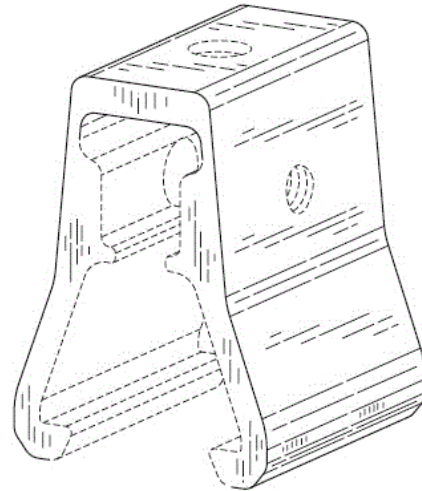


Figure 1

Three-dimensional view

21: A2023/01119 22: 2023-10-13 23:
43: 2023-04-14
52: Class 8 24: Part A
71: RMH Tech LLC
33: US 31: 29/874,164 32: 2023-04-14

54: MOUNTINGS

57: The design is for a mounting configured to be secured to a projection extending from a metal panel defining a roof or a sidewall of a building. The mounting comprises a body which has a generally rectangular wall. First and second legs extend from opposed side edges of the wall. The first and second legs are flexible with respect to the wall. An outer surface of each leg has a first portion which extends away from the wall and a second portion which extends from the first portion. The first and second portions diverge away from the wall with the second portions diverging at a greater angle than the first portions. Free ends of the legs terminate in inwardly directed hook-like formations.

21: A2023/01120 22: 2023-10-13 23:
43: 2023-04-14
52: Class 8 24: Part A
71: RMH Tech LLC
33: US 31: 29/874,164 32: 2023-04-14

54: MOUNTINGS

57: The design is for a mounting configured to be secured to a projection extending from a metal panel defining a roof or a sidewall of a building. The mounting comprises a body which has a generally rectangular wall. First and second legs extend from opposed side edges of the wall. The first and second legs are flexible with respect to the wall. An outer surface of each leg has a first portion which extends away from the wall and a second portion which extends from the first portion. The first portions diverge away from the wall and the second portions are outwardly convex. Free ends of the legs terminate in inwardly directed hook-like formations. Inner surfaces of the wall and the legs define a passage which is generally T-shaped in transverse cross-section.

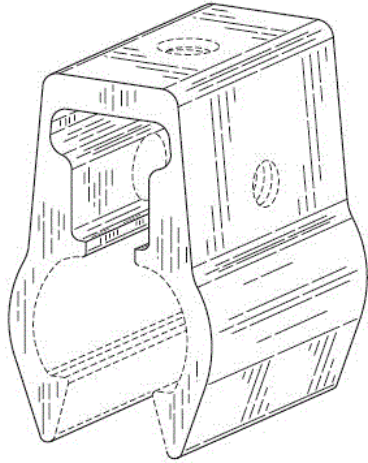
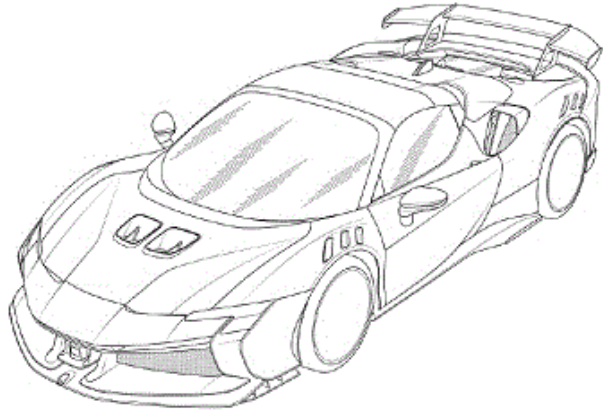


Figure 1

Three-dimensional view

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: A2023/01153 22: 2023-10-25 23: 2023-06-29
43: 2024-06-06

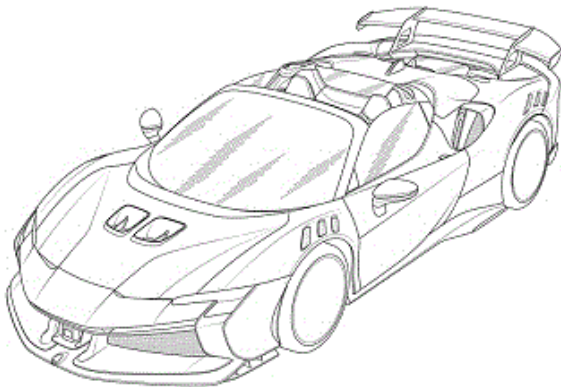
52: Class 21. 24: Part A

71: FERRARI S.P.A.

33: IB 31: WIPO132020 32: 2023-04-26

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: A2023/01180 22: 2023-10-31 23:
43: 2024-06-11

52: Class 24 24: Part A

71: BIOCORP PRODUCTION S.A., à Conseil
d'Administration

33: WO 31: DM/230156 32: 2023-06-28

54: ADD-ON MONITORING MODULE FOR AN INJECTION PEN

57: The drawing shows a front perspective view of an add-on monitoring module for an injection pen in accordance with the present design showing the overall appearance thereof.

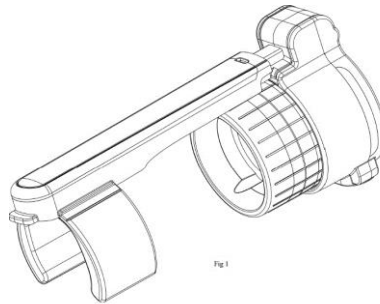


Fig 1

21: A2023/01188 22: 2023-11-01 23:
43: 2024-06-18

52: Class 6 24: Part A

71: CROOK, Gary Vincent

54: A TABLE

57: The design is applied to a table. The features of the design for which protection is claimed reside in the pattern and/or shape and/or configuration and/or ornamentation of a table having three ring-shaped

21: A2023/01154 22: 2023-10-25 23: 2023-06-29
43: 2024-06-06

52: Class 21. 24: Part A

71: FERRARI S.P.A.

33: IB 31: WIPO132020 32: 2023-04-26

54: Toy Car

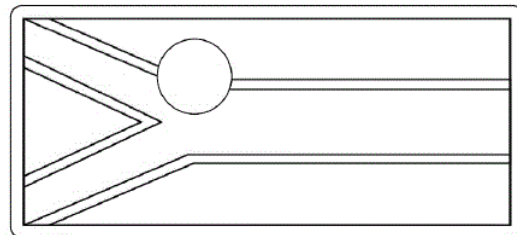
members defining a base member, an intermediate member, an upper member, and connecting pieces in the shape of a country for connecting the rings, the connecting pieces being arranged in a pattern around the periphery of the rings, wherein the intermediate member includes a first surface on which an image of a flag of the country is placed and a second surface located on the first surface on which an image of a person associated with the country is placed, and wherein the upper member serves as a support for a surface manufactured from a transparent material such as glass. The dashed lines in Figures 1, 2, 4 and 5 represent the transparent material placed on the upper member.



21: A2023/01190 22: 2023-11-01 23:
43: 2024-06-18
52: Class 6 24: Part A
71: CROOK, Gary Vincent

54: A TABLE

57: The design is applied to a table. The features of the design for which protection is claimed reside in the shape and/or configuration of a table which includes a first surface on which an image of a flag of a country is placed and a second surface located on the first surface on which an image of a person associated with the country is placed, and legs of the table include and outline of the African continent.



21: A2023/01189 22: 2023-11-01 23:
43: 2024-06-18
52: Class 6 24: Part A
71: CROOK, Gary Vincent

54: A TABLE

57: The design is applied to a table. The features of the design for which protection is claimed reside in the shape and/or configuration of a table having three ring-shaped members defining a base member, an intermediate member, an upper member, and connecting pieces in the shape of a country for connecting the rings, the connecting pieces being arranged in a pattern around the periphery of the rings, wherein the intermediate member includes a first surface on which an image of a flag of the country is placed and a second surface located on the first surface on which an image of a person associated with the country is placed, and wherein the upper member serves as a support for a surface manufactured from a transparent material such as glass. The dashed lines in Figures 1, 2, 4 and 5 represent the transparent material placed on the upper member.

21: A2023/01198 22: 2023-11-06 23:
43: 2024-06-06
52: Class 7. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: EM 31: 015023863-0001 32: 2023-06-07

54: Capsule

57: The design relates to a capsule. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01206 22: 2023-11-07 23:
43: 2023-05-08
52: Class 2 24: Part A
71: Crocs, Inc.
33: US 31: 29/891, 641 32: 2023-05-08

54: FOOTWEAR

57: The design is for an article of footwear in the form of a boot. A plurality of spaced apart circular openings are provided on a vamp. A plurality of spaced apart roughly rectangular shaped openings is provided around a toe-end of the boot immediately above the sole. The vamp and a waist have a surface which simulates reptilian skin. A spur is connected to and extends from a heel portion of the boot. A peripheral contour line is provided on a sidewall of the sole. Decorative stitching is provided on a front and back shaft. The footwear includes a pair of pull straps.



Figure 1
Three-dimensional view

21: A2023/01207 22: 2023-11-08 23:
43: 2024-06-06
52: Class 12. 24: Part A
71: HONDA MOTOR CO., LTD.
33: JP 31: 2023-009616 32: 2023-05-12

54: Motorcycle

57: The design relates to a motorcycle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT AND RIGHT SIDE PERSPECTIVE VIEW

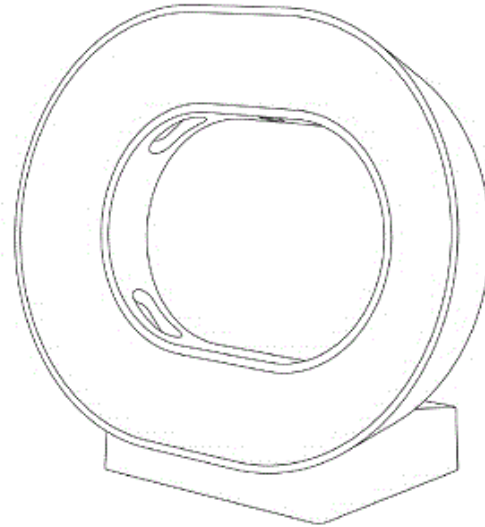
21: A2023/01217 22: 2023-11-09 23:
43: 2024-06-06
52: Class 10. 24: Part A

71: MONTRES TUDOR SA
 33: CH 31: 2023-00358 32: 2023-06-21
54: Watch Case

57: The design relates to a watch case. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW



FRONT PERSPECTIVE VIEW

21: A2023/01218 22: 2023-11-09 23:
 43: 2024-06-06
 52: Class 10. 24: Part A
 71: ROLEX SA
 33: CH 31: 2023-00404 32: 2023-07-18

54: Apparatus for Measuring

57: The design relates to an apparatus for measuring. The features of the design are those of shape and/or configuration and/or ornamentation.

21: A2023/01221 22: 2023-11-10 23:
 43: 2023-07-18
 52: Class 12 24: Part A
 71: Hyundai Motor Company, Kia Corporation
 33: KR 31: 30-2023-0027646 32: 2023-07-18

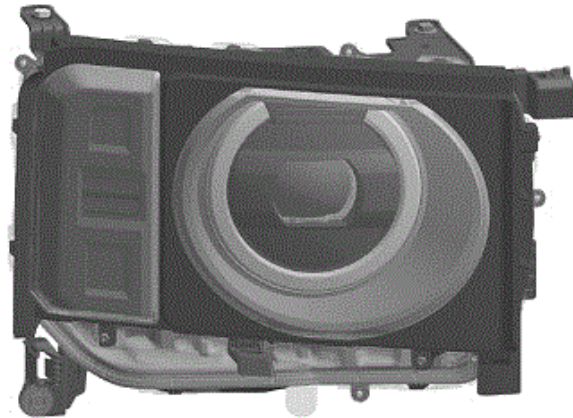
54: AUTOMOBILES

57: The design is for an automobile in the form of a SUV. A front bumper is substantially rectangular shaped, defines air inlets at the bottom corners thereof, has a middle-central portion and an upper horizontal section that extends centrally between substantially square-shaped headlights. The horizontal section has a pair of rows defined by spaced apart rectangular shaped formations. A raised central portion of the bonnet is flanked by depressed side portions. A rear of the automobile is gently curved and has convex-shaped side edges. A substantially rectangular shaped trunk having outwardly curved edges is provided. A horizontally extending light cluster is provided between a bottom edge of the trunk and a rear bumper. Corner-edged wheel arches are provided. A substantially-trapezium shaped window, rectangular shaped window, and square shaped window are respectively provided on each side of the automobile between the A and B pillars, B and C pillars, and C and D pillars.



Figure 1

Three-dimensional view



PERSPECTIVE VIEW

21: A2023/01228 22: 2023-11-16 23:
43: 2024-06-06
52: Class 12. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2023-010174 32: 2023-05-19

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.

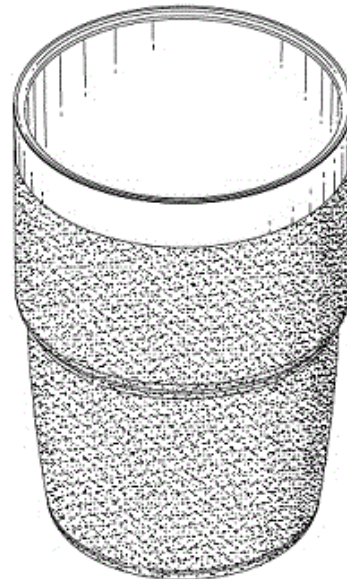


FRONT LEFT PERSPECTIVE VIEW

21: A2023/01230 22: 2023-11-16 23:
43: 2024-06-06
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/892,373 32: 2023-05-17

54: Mug

57: The design relates to a mug. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP PERSPECTIVE VIEW

21: A2023/01229 22: 2023-11-16 23:
43: 2024-06-06
52: Class 26. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2023-010175 32: 2023-05-19

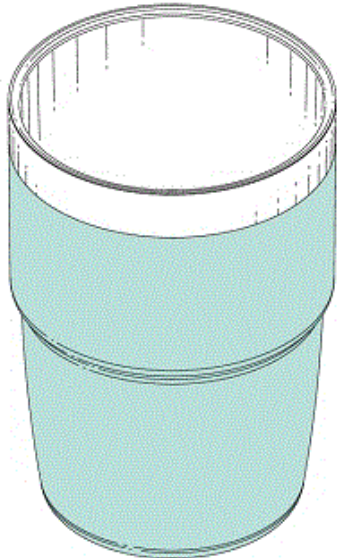
54: Front Combination Lamp for an Automobile

57: The design relates to a front combination lamp for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

21: A2023/01231 22: 2023-11-16 23:
43: 2024-06-06
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/892,373 32: 2023-05-17

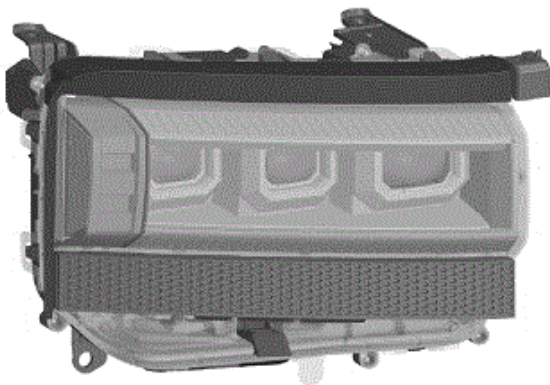
54: Mug

57: The design relates to a mug. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP PERSPECTIVE VIEW OF A FIRST EMBODIMENT

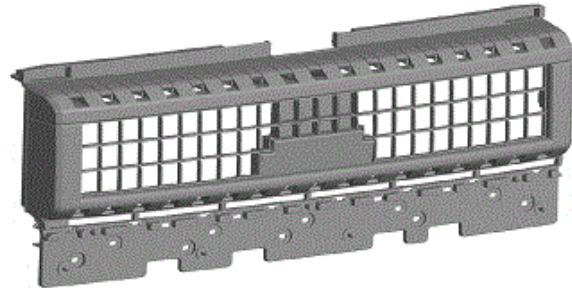
21: A2023/01232 22: 2023-11-16 23: 43: 2024-06-06
 52: Class 26. 24: Part A
 71: TOYOTA JIDOSHA KABUSHIKI KAISHA
 33: JP 31: 2023-010176 32: 2023-05-19
54: Front Combination Lamp for an Automobile
 57: The design relates to a front combination lamp for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

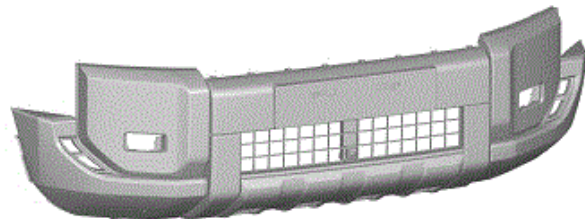
21: A2023/01233 22: 2023-11-16 23: 43: 2024-06-06
 52: Class 12. 24: Part A

71: TOYOTA JIDOSHA KABUSHIKI KAISHA
 33: JP 31: 2023-010177 32: 2023-05-19
54: Front Grille for an Automobile
 57: The design relates to a front grille for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01234 22: 2023-11-16 23: 43: 2024-06-06
 52: Class 12. 24: Part A
 71: TOYOTA JIDOSHA KABUSHIKI KAISHA
 33: JP 31: 2023-010179 32: 2023-05-19
54: Front Bumper for an Automobile
 57: The design relates to a front bumper for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01235 22: 2023-11-16 23: 43: 2024-06-06
 52: Class 26. 24: Part A
 71: TOYOTA JIDOSHA KABUSHIKI KAISHA
 33: JP 31: 2023-010180 32: 2023-05-19
54: Rear Combination Lamp for an Automobile
 57: The design relates to a rear combination lamp for an automobile. The features of the design are

those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01236 22: 2023-11-16 23:
43: 2024-06-06
52: Class 12. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2023-010181 32: 2023-05-19
54: Rear Bumper for an Automobile
57: The design relates to a rear bumper for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01237 22: 2023-11-16 23:
43: 2024-06-06
52: Class 12. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2023-010182 32: 2023-05-19
54: Instrument Panel for an Automobile
57: The design relates to an instrument panel for an automobile. The features of the design are those of

shape and/or configuration and/or pattern and/or ornamentation.



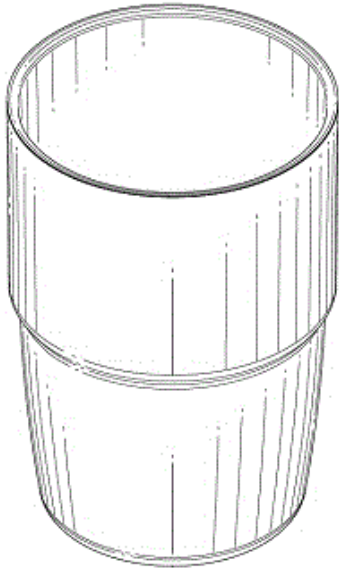
PERSPECTIVE VIEW

21: A2023/01238 22: 2023-11-16 23:
43: 2024-06-06
52: Class 12. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2023-010183 32: 2023-05-19
54: Steering Wheel for an Automobile
57: The design relates to a steering wheel for an automobile. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01239 22: 2023-11-16 23:
43: 2024-06-06
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/892,371 32: 2023-05-17
54: Mug
57: The design relates to a mug. The features of the design are those of shape and/or configuration.



TOP PERSPECTIVE VIEW

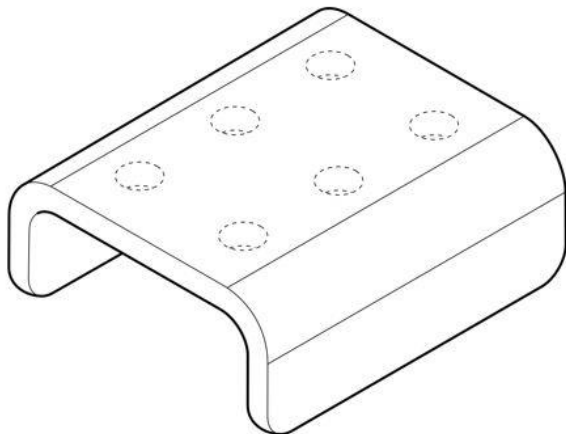
21: A2023/01241 22: 2023-11-17 23:
43: 2024-06-11

52: Class 24 24: Part A

71: BOSHOFF, George Stott

54: OCCLUSAL STOP DEVICE

57: The design is applied to an occlusal stop device. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the occlusal stop device, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



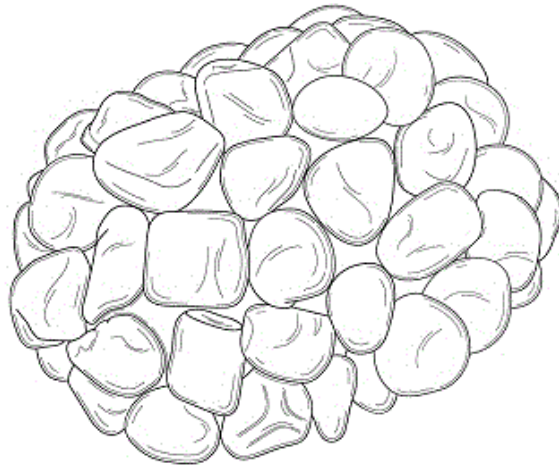
21: A2023/01244 22: 2023-11-17 23: 2023-08-07
43: 2024-06-06

52: Class 1. 24: Part A

71: FERRARA CANDY COMPANY

54: Confection

57: The design relates to a confection. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2023/01245 22: 2023-11-20 23:
43: 2024-06-11

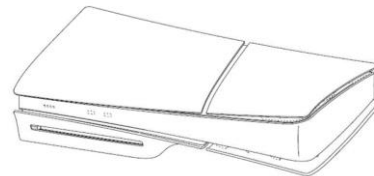
52: Class 14 24: Part A

71: SONY INTERACTIVE ENTERTAINMENT INC.

33: JP 31: 2023-011076 32: 2023-05-31

54: ELECTRONIC DEVICE

57: The design is applied to an electronic device and is shown in perspective view in the drawing showing the overall appearance thereof.



21: A2023/01246 22: 2023-11-20 23:
43: 2024-06-11

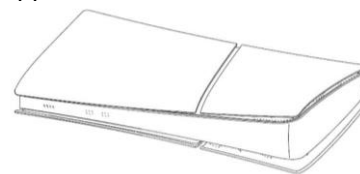
52: Class 14 24: Part A

71: SONY INTERACTIVE ENTERTAINMENT INC.

33: JP 31: 2023-011077 32: 2023-05-31

54: ELECTRONIC DEVICE

57: The design is applied to an electronic device and is shown in perspective view in the drawing showing the overall appearance thereof.



21: A2023/01247 22: 2023-11-20 23:
 43: 2023-10-16
 52: Class 28 24: Part A
 71: Lashify, Inc.
 33: US 31: 29/905, 046 32: 2023-10-16

54: LASH EXTENSIONS

57: The design is for a lash extension. The lash extension has a downwardly curved pattern of lash strands. The pattern includes centrally disposed lash strands and a staggered pattern of diagonal lash strands pointing toward the side of the outermost lash strands of the centrally disposed lash strands.

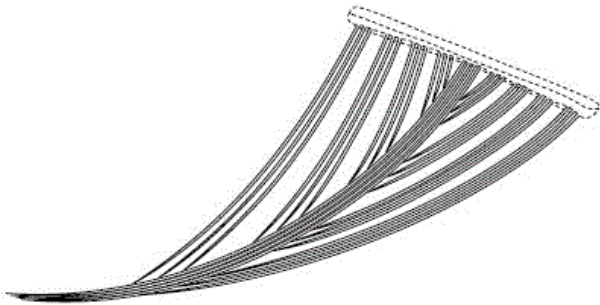
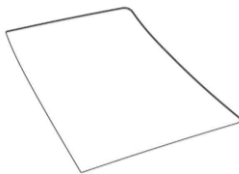


Figure 1
 Three-dimensional view

21: A2023/01248 22: 2023-11-21 23:
 43: 2024-06-11
 52: Class 14 24: Part A
 71: SONY INTERACTIVE ENTERTAINMENT INC.
 33: JP 31: 2023-011080 32: 2023-05-31

54: COVER FOR ELECTRONIC DEVICE

57: The design is applied to a cover for an electronic device and is shown in perspective view in the drawing showing the overall appearance thereof.



21: A2023/01249 22: 2023-11-21 23:
 43: 2024-06-11
 52: Class 14 24: Part A
 71: SONY INTERACTIVE ENTERTAINMENT INC.
 33: JP 31: 2023-011078 32: 2023-05-31

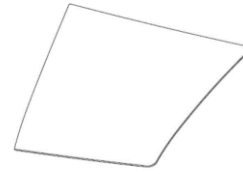
54: COVER FOR ELECTRONIC DEVICE

57: The design is applied to a cover for an electronic device and is shown in perspective view in the drawing showing the overall appearance thereof.

21: A2023/01251 22: 2023-11-21 23:
 43: 2024-06-11
 52: Class 14 24: Part A
 71: SONY INTERACTIVE ENTERTAINMENT INC.
 33: JP 31: 2023-011079 32: 2023-05-31

54: COVER FOR ELECTRONIC DEVICE

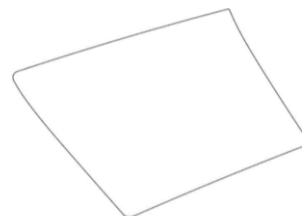
57: The design is applied to a cover for an electronic device and is shown in perspective view in the drawing showing the overall appearance thereof.



21: A2023/01252 22: 2023-11-21 23:
 43: 2024-06-11
 52: Class 14 24: Part A
 71: SONY INTERACTIVE ENTERTAINMENT INC.
 33: JP 31: 2023-011081 32: 2023-05-31

54: COVER FOR ELECTRONIC DEVICE

57: The design is applied to a cover for an electronic device and is shown in perspective view in the drawing showing the overall appearance thereof.

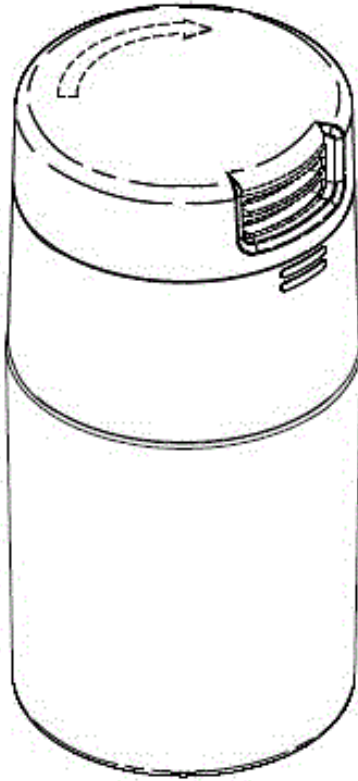


21: A2023/01258 22: 2023-11-23 23:
 43: 2023-11-03
 52: Class 7 24: Part A
 71: GLOBAL GRINDERS PROPRIETARY LIMITED
 33: EM(SE) 31: 015039619-0003 32: 2023-11-03

54: Bottles with Sifters

57: The design is applied to a bottle with sifter substantially as shown in the accompanying representations. The bottle has a generally cylindrical configuration, with the sifter being mounted to an upper end of the bottle. The sifter has

a generally cylindrical configuration having a diameter which matches the diameter of the bottle.

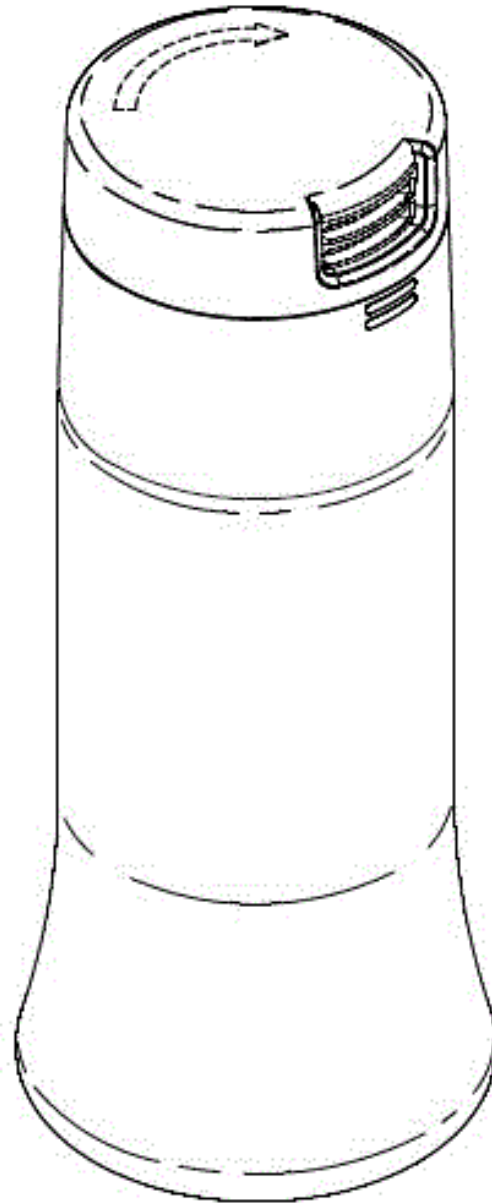


Three-dimensional view from front

21: A2023/01259 22: 2023-11-23 23:
43: 2023-11-03
52: Class 7 24: Part A
71: GLOBAL GRINDERS PROPRIETARY LIMITED
33: EM(SE) 31: 015039619-0001 32: 2023-11-03

54: Bottles with Sifters

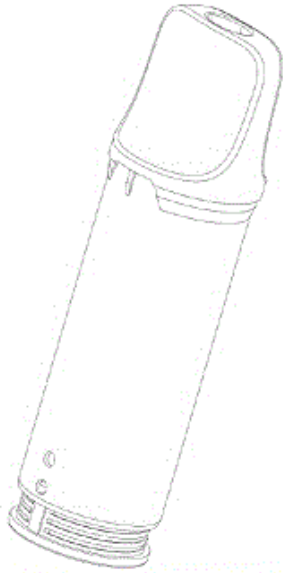
57: The design is applied to a bottle with sifter substantially as shown in the accompanying representations. An upper region of the bottle has a generally cylindrical configuration while a lower region of the bottle is flared outwardly towards a bottom of the bottle. The sifter is mounted to an upper end of the bottle and has a generally cylindrical configuration having a diameter which matches the diameter of the upper region of the bottle.



Three-dimensional view from front

21: A2023/01262 22: 2023-11-23 23:
43: 2024-06-06
52: Class 27. 24: Part A
71: IMIRACLE (HK) LIMITED
33: CN 31: 202330317869.9 32: 2023-05-26
54: Atomizer for an Electronic Atomizing Device
57: The design relates to an atomizer for an electronic atomizing device. The features of the

design are those of shape and/or configuration and/or ornamentation.



TOP, REAR AND LEFT SIDE PERSPECTIVE VIEW

21: A2023/01263 22: 2023-11-23 23:
43: 2024-06-06

52: Class 27. 24: Part A

71: IMIRACLE (HK) LIMITED

33: CN 31: 202330317887.7 32: 2023-05-26

54: Electronic Atomizing Device

57: The design relates to an electronic atomizing device. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP, REAR AND LEFT SIDE PERSPECTIVE VIEW

21: A2023/01264 22: 2023-11-23 23:

43: 2024-06-06

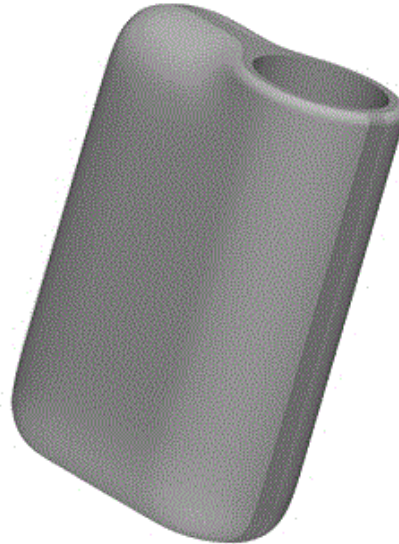
52: Class 13. 24: Part A

71: IMIRACLE (HK) LIMITED

33: CN 31: 202330317872.0 32: 2023-05-26

54: Power Supply for an Electronic Atomizing Device

57: The design relates to a power supply for an electronic atomizing device. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP, REAR AND LEFT SIDE PERSPECTIVE VIEW

21: A2023/01281 22: 2023-11-28 23:

43: 2024-06-06

52: Class 26. 24: Part A

71: TOYOTA JIDOSHA KABUSHIKI KAISHA

33: JP 31: 2023-010865 32: 2023-05-30

54: Front Combination Lamp for an Automobile

57: The design relates to a front combination lamp for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01282 22: 2023-11-28 23:
43: 2024-06-06

52: Class 12. 24: Part A

71: TOYOTA JIDOSHA KABUSHIKI KAISHA

33: JP 31: 2023-010866 32: 2023-05-30

54: Front Bumper for an Automobile

57: The design relates to a front bumper for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01283 22: 2023-11-28 23:
43: 2024-06-06

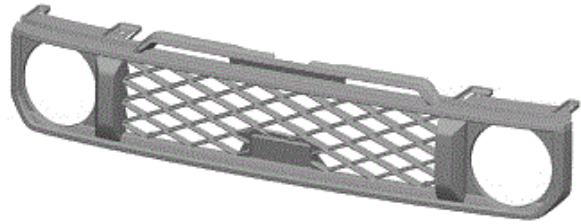
52: Class 12. 24: Part A

71: TOYOTA JIDOSHA KABUSHIKI KAISHA

33: JP 31: 2023-010867 32: 2023-05-30

54: Front Grille for an Automobile

57: The design relates to a front grille for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01286 22: 2023-11-29 23:

43: 2024-06-06

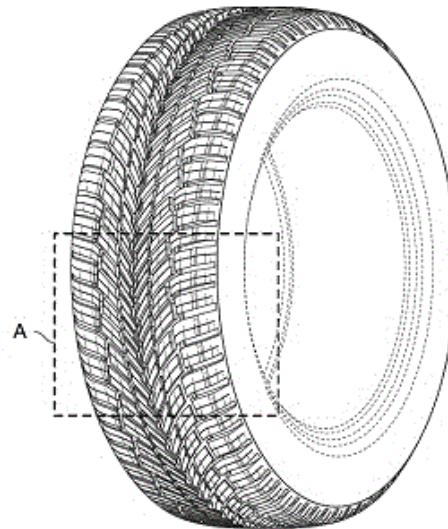
52: Class 12. 24: Part A

71: OMNI UNITED (S) PTE LTD.

33: US 31: 29/915,924 32: 2023-11-06

54: Tire Tread

57: The design relates to a tire tread. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/01288 22: 2023-11-29 23:

43: 2023-05-31

52: Class 7 24: Part A

71: SMEG S.p.A.

33: HSIRID(CH) 31: DM/229459 32: 2023-05-31

54: OVENS

57: The design is for an oven. The oven has a cuboid-shaped body with rounded edges. The body has a main body portion that has a major rectangular front door, a rectangular rear face, and minor square-shaped sidewalls. The body also has a top

part fitted above the main body portion. The top part has a major rectangular-shaped upper face and rectangular side walls. A large rectangular window is provided substantially at the center of the front door. A rectangular portion is provided on the upper face. A circular member is provided at the center of the rectangular portion.

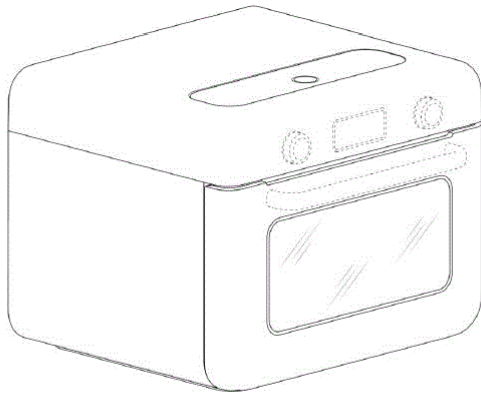
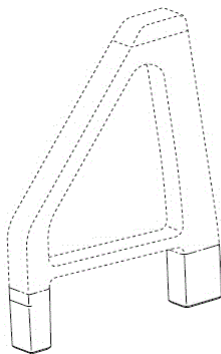


Figure 1

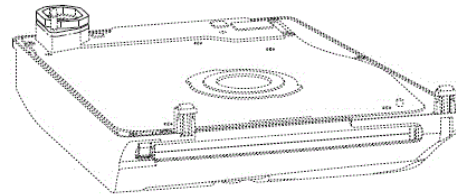
Three-dimensional view

21: A2023/01289 22: 2023-11-30 23: 43: 2024-06-11
 52: Class 14 24: Part A
 71: SONY INTERACTIVE ENTERTAINMENT INC.
 33: JP 31: 2023-011631 32: 2023-06-07
54: STAND FOR ELECTRONIC DEVICE
 57: The design is applied to a stand for an electronic device and is shown in perspective view in the drawing showing the overall appearance thereof.

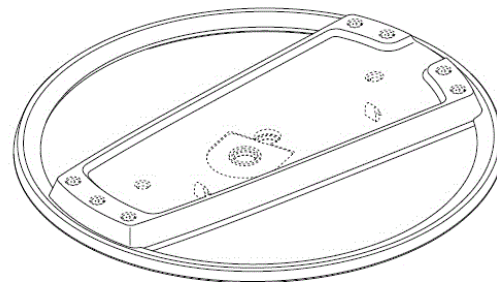


21: A2023/01290 22: 2023-11-30 23: 43: 2024-06-11
 52: Class 14 24: Part A
 71: SONY INTERACTIVE ENTERTAINMENT INC.
 33: JP 31: 2023-011633 32: 2023-06-07
54: DISC DRIVE

57: The design is applied to a disc drive and is shown in perspective view in the drawing showing the overall appearance thereof.



21: A2023/01291 22: 2023-11-30 23: 43: 2024-06-11
 52: Class 14 24: Part A
 71: SONY INTERACTIVE ENTERTAINMENT INC.
 33: JP 31: 2023-011632 32: 2023-06-07
54: STAND FOR ELECTRONIC DEVICE
 57: The design is applied to a stand for an electronic device and is shown in perspective view in the drawing showing the overall appearance thereof.



21: A2023/01293 22: 2023-11-30 23: 43: 2023-06-28
 52: Class 10 24: Part A
 71: Turlen Holding SA
 33: HSIRID(CH) 31: DM/230326 32: 2023-06-28
54: PENDANT WATCHES
 57: The design is for a pendant watch. The pendant includes an elongate necklace and a watch mounted on the necklace. End portions of the necklace extend through a clasp. The watch is flanked on each side by a mirror arrangement of different-shaped beads. The watch includes a case having front convex and back concave faces, and staggered pillars extending between the faces, the pillars include a plurality of spaced apart clasp-like mechanical fasteners which extend between front and back faces. A large, fluted round crown is fitted at a three o'clock position, the crown features a series of geometric shapes on its outer surfaces. A second, round crown is located at a nine o'clock position, opposite to the fluted round crown. Front and back glasses are provided over the front and back faces

and reveal the mechanical movement of the watch. A skeletonized watch dial with a pair of hands is visible from the front. A tongue shape like part is fitted at the lower portion of the watch case.



Figure 1
Three-dimensional view

21: A2023/01294 22: 2023-11-30 23:
43: 2024-06-14
52: Class 10 24: Part A
71: Turlen Holding SA
33: IB 31: DM/230326 32: 2023-06-28
54: WATCHES

57: The design is for a pendant watch. The watch has a case having front convex and back concave faces. Each face has parallel top and bottom edges. Staggered pillars extend between the front and back faces, the pillars are including a plurality of spaced apart clasp-like mechanical fasteners which extend between front and back faces. A large, fluted round crown is fitted at a three o'clock position, the crown features a serie of geometric shapes on its outer surfaces. A second, round crown is located at a nine o'clock position, opposite to the fluted round crown. Front and back glasses are provided over the front and back faces and reveal the mechanical

movement of the watch. A skeletonized watch dial with a pair of hands is visible from the front.

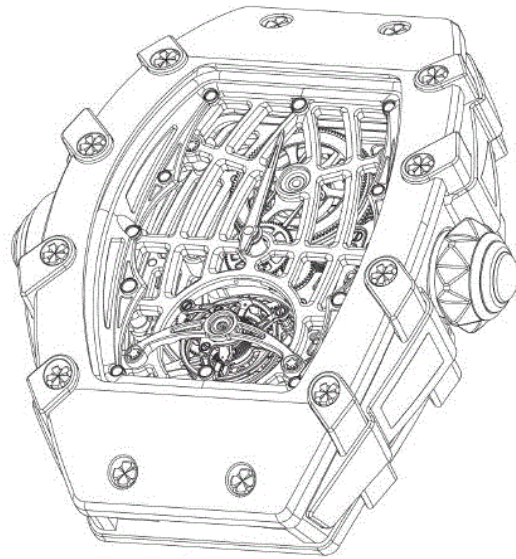
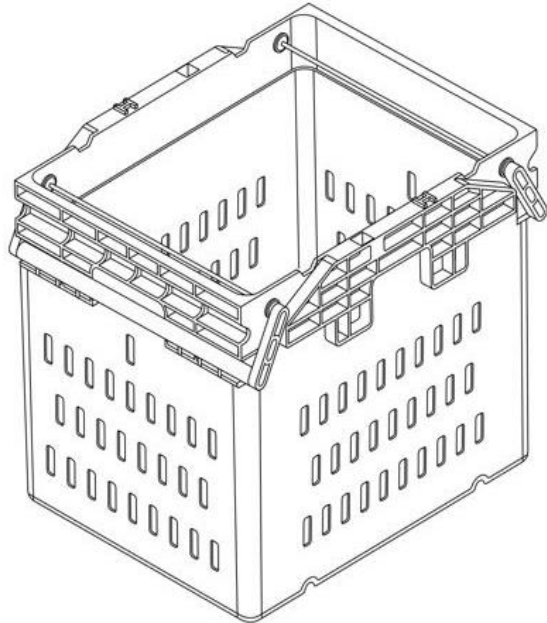
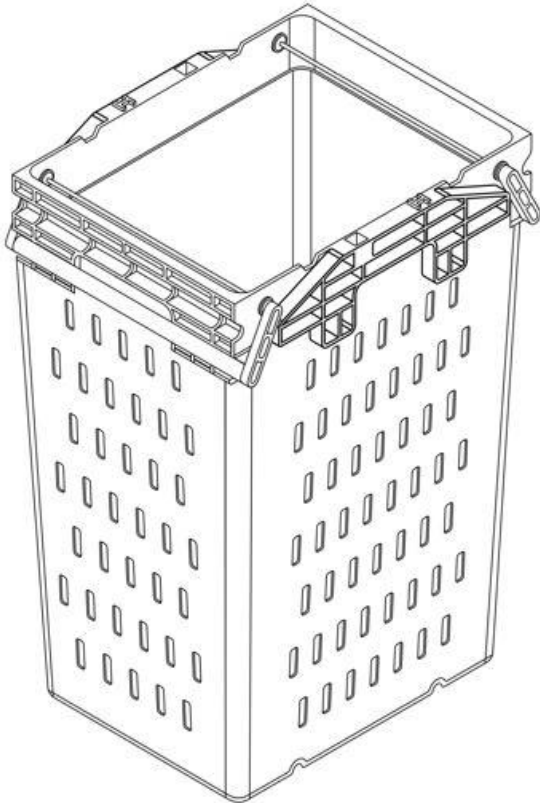


Figure 1
Three-dimensional view

21: A2023/01392 22: 2023-12-12 23:
43: 2024-07-03
52: Class 09 24: Part A
71: TRENSTAR SA (PTY) LTD

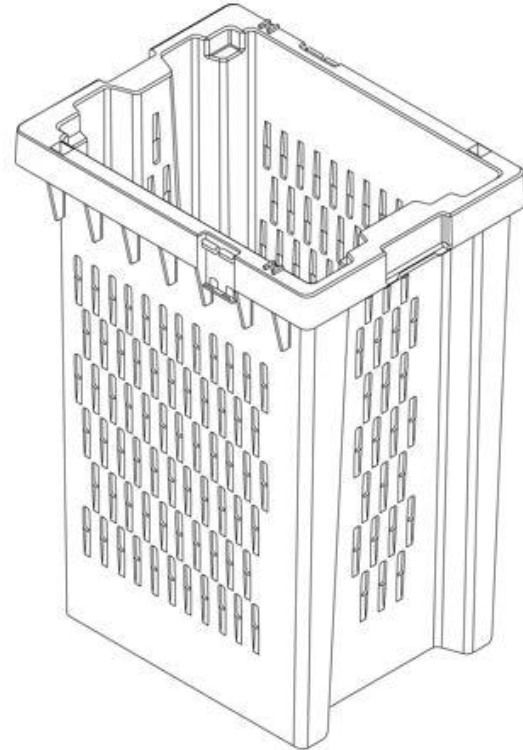
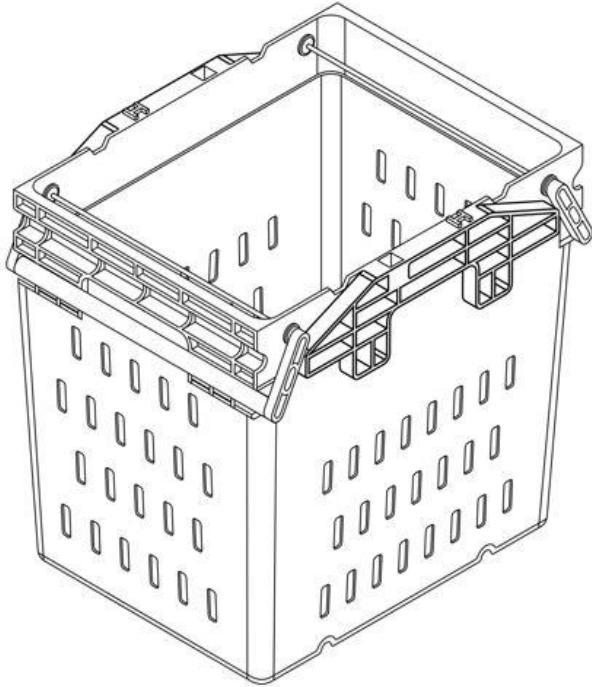
54: A CONTAINER

57: The design is applied to a container. 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 container, substantially as illustrated in the accompanying representations.



21: A2023/01393 22: 2023-12-12 23:
43: 2024-07-03
52: Class 09 24: Part A
71: TRENSTAR SA (PTY) LTD
54: A CONTAINER
57: The design is applied to a container. 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 container, substantially as illustrated in the accompanying representations.

21: A2023/01394 22: 2023-12-12 23:
43: 2024-07-03
52: Class 09 24: Part A
71: TRENSTAR SA (PTY) LTD
54: A CONTAINER
57: The design is applied to a container. 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 container, substantially as illustrated in the accompanying representations.



21: A2023/01396 22: 2023-12-12 23:
43: 2024-07-03

52: Class 09 24: Part A
71: TRENSTAR SA (PTY) LTD

54: A CONTAINER

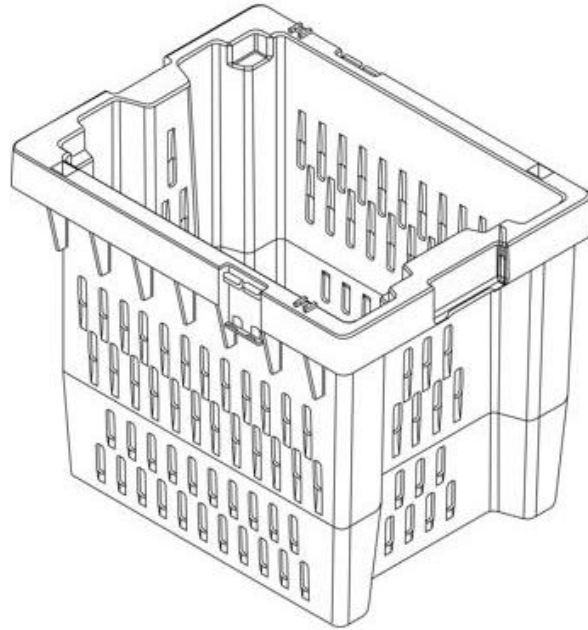
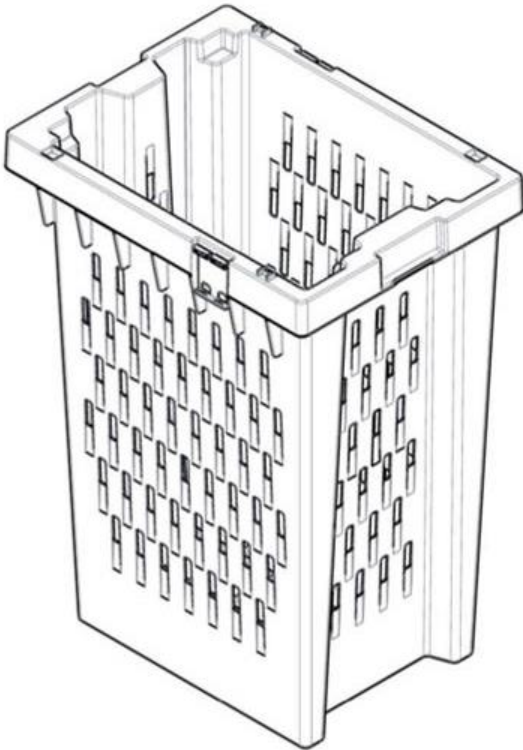
57: The design is applied to a container. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the container, substantially as illustrated in the accompanying representations.

21: A2023/01397 22: 2023-12-12 23:
43: 2024-07-03

52: Class 09 24: Part A
71: TRENSTAR SA (PTY) LTD

54: A CONTAINER

57: The design is applied to a container. 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 container, substantially as illustrated in the accompanying representations.



21: A2023/01398 22: 2023-12-12 23:
43: 2024-07-05
52: Class 09 24: Part A
71: TRENSTAR SA (PTY) LTD

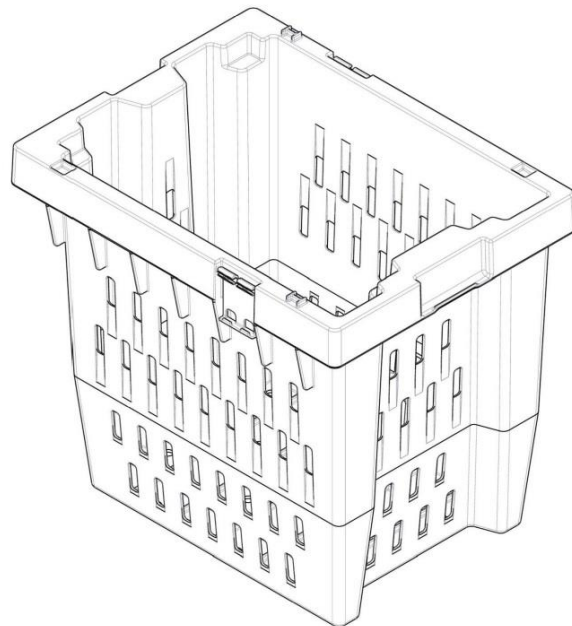
54: A CONTAINER

57: The design is applied to a container. 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 container, substantially as illustrated in the accompanying representations.

21: A2023/01399 22: 2023-12-12 23:
43: 2024-07-03
52: Class 09 24: Part A
71: TRENSTAR SA (PTY) LTD

54: A CONTAINER

57: The design is applied to a container. 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 container, substantially as illustrated in the accompanying representations.



21: A2023/01420 22: 2023-12-14 23:
43: 2024-07-03
52: Class 09 24: Part A
71: CHOCOLADEFABRIKEN LINDT & SPRÜNGLI
AG

33: IB 31: DM/230553-26 32: 2023-07-20

54: PACKAGING FOR FOODSTUFFS

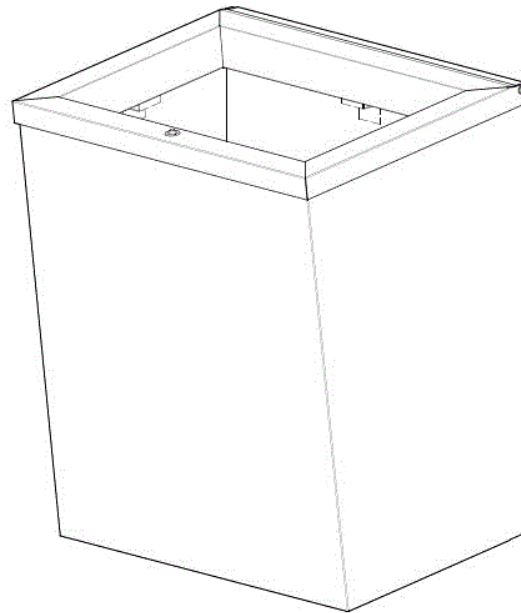
57: The design is applied to packaging for foodstuffs. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the packaging for foodstuffs, substantially as illustrated in the accompanying representation.



21: A2023/01452 22: 2023-12-20 23:
43: 2024-07-16
52: Class 9 24: Part A
71: SERRA MANUFACTURING (PTY) LIMITED

54: BIN

57: The design relates to a bin. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2023/01465 22: 2023-12-21 23:
43: 2024-07-16
52: Class 07 24: Part A
71: A.P.S. Plastics (Pty) Ltd.

54: GRINDER ARRANGEMENT

57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a grinder arrangement substantially as shown in the accompanying representation(s).

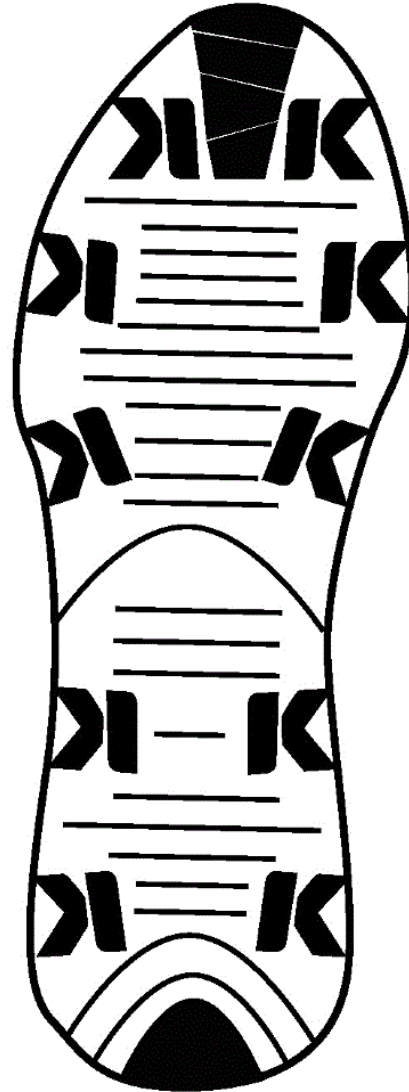


21: A2024/00436 22: 2024-05-08 23: 2024-01-01
43: 2024-06-06
52: Class 2 24: Part A

71: Shoez Group (Pty) Ltd

54: SHOE SOLE

57: The design relates to a Shoe sole. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



21: A2024/00437 22: 2024-05-08 23: 2024-01-01

43: 2024-06-06

52: Class 2 24: Part A

71: Shoez Group (Pty) Ltd

54: SHOE SOLE

57: The design relates to a Shoe sole. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.

21: A2024/00462 22: 2024-05-17 23:

43: 2024-08-13

52: Class 07 24: Part A

71: GUANGDONG VOOMA HEATING EQUIPMENT CO., LTD.

33: CN 31: 202430108019.2 32: 2024-03-04

54: PORTABLE BARBECUE GRILL

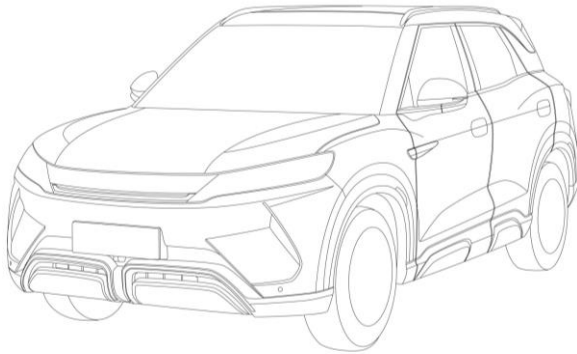
57: The design is to be applied to a portable barbecue grill. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2024/00503 22: 2024-05-30 23:
43: 2024-08-13
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202330787924.0 32: 2023-11-30

54: AUTOMOBILE

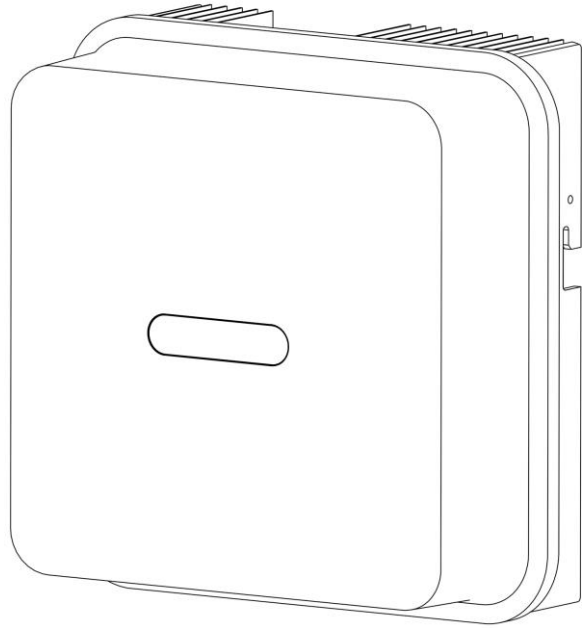
57: The design is to be applied to an automobile. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2024/00519 22: 2024-06-04 23:
43: 2024-08-13
52: Class 13 24: Part A
71: HICONICS ECO-ENERGY DRIVE
TECHNOLOGY CO., LTD., HICONICS ECO-
ENERGY TECHNOLOGY CO., LTD.
33: CN 31: 202430209975.X 32: 2024-04-15

54: PHOTOVOLTAIC INVERTER

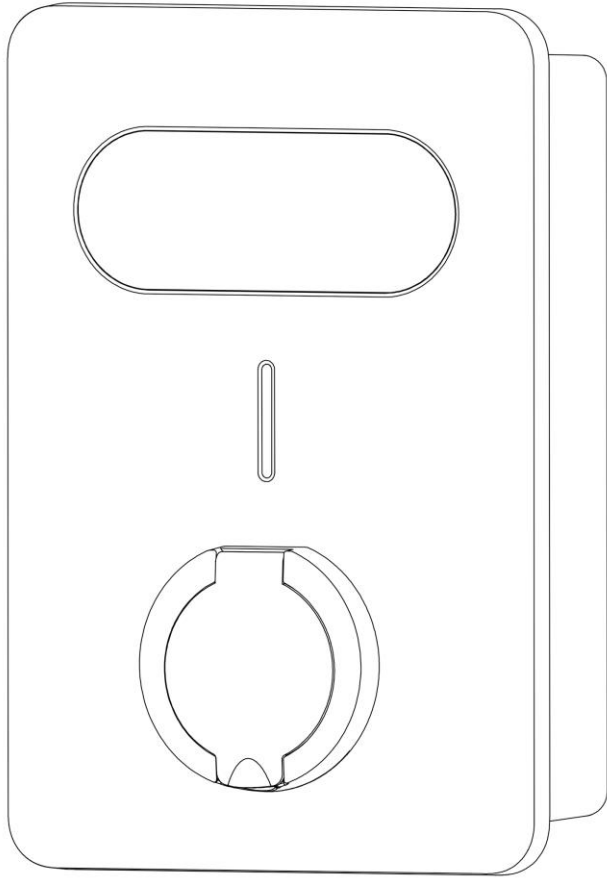
57: The design is to be applied to a photovoltaic inverter. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



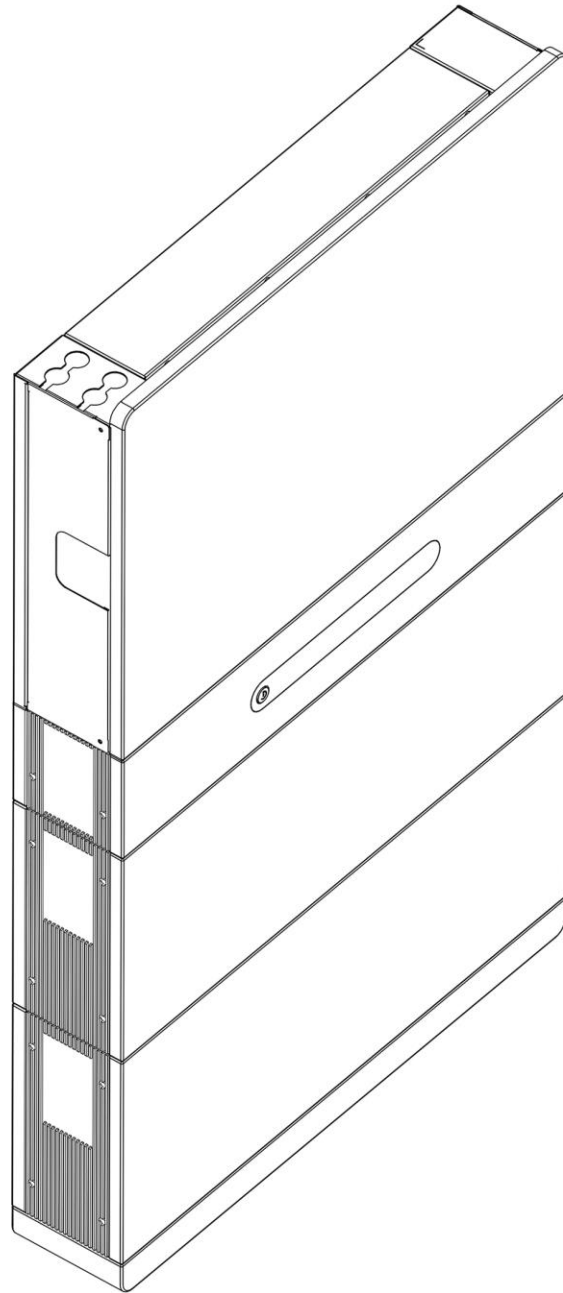
21: A2024/00520 22: 2024-06-04 23:
43: 2024-08-13
52: Class 13 24: Part A
71: HICONICS ECO-ENERGY DRIVE
TECHNOLOGY CO., LTD., HICONICS ECO-
ENERGY TECHNOLOGY CO., LTD.
33: CN 31: 202430205732.9 32: 2024-04-12

54: CHARGING PILE

57: The design is to be applied to a charging pile. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.

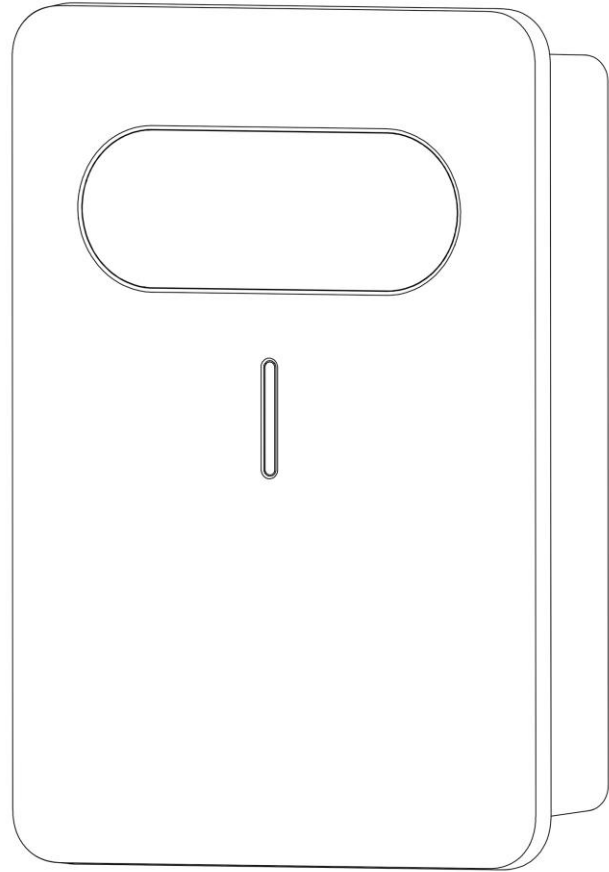
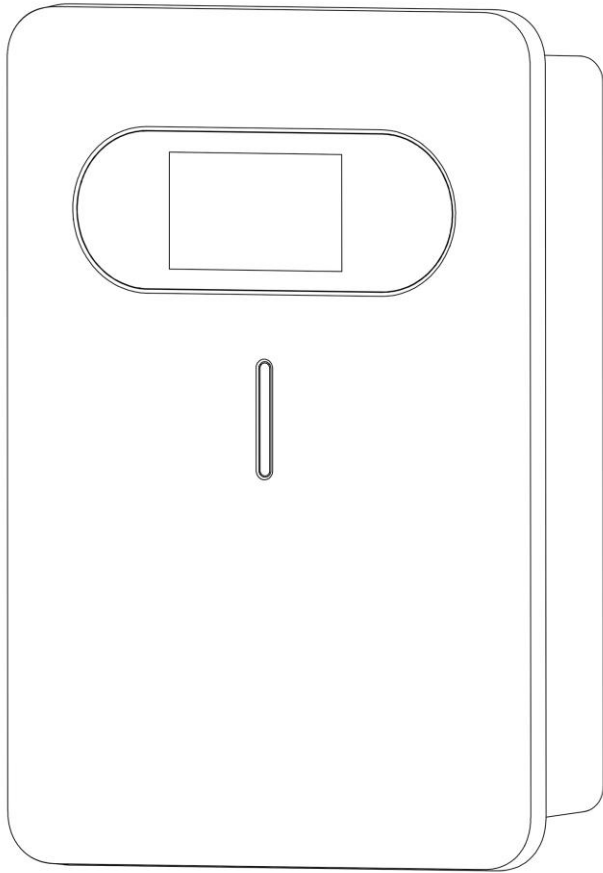


21: A2024/00521 22: 2024-06-04 23:
43: 2024-08-13
52: Class 13 24: Part A
71: HICONICS ECO-ENERGY DRIVE
TECHNOLOGY CO., LTD., HICONICS ECO-
ENERGY TECHNOLOGY CO., LTD.
33: CN 31: 202430213785.5 32: 2024-04-16
54: ONE-PIECE ENERGY STORAGE DEVICE
57: The design is to be applied to a one-piece
energy storage device. The features for which
protection is claimed are those of shape and/or
pattern and/or configuration and/or ornamentation,
substantially as shown in the representations.



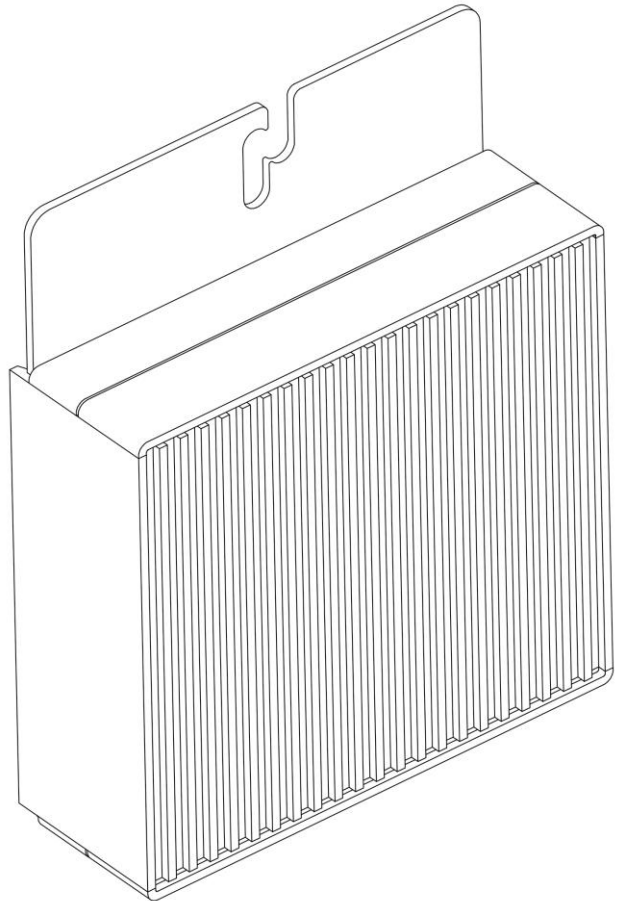
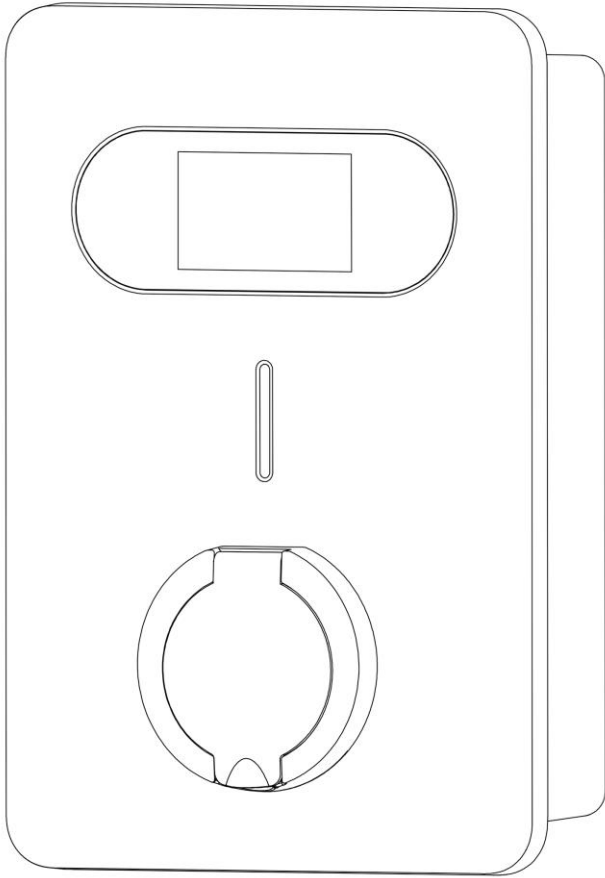
21: A2024/00523 22: 2024-06-04 23:
43: 2024-08-13
52: Class 13 24: Part A
71: HICONICS ECO-ENERGY DRIVE
TECHNOLOGY CO., LTD., HICONICS ECO-
ENERGY TECHNOLOGY CO., LTD.
33: CN 31: 202430205732.9 32: 2024-04-12
54: CHARGING PILE
57: The design is to be applied to a charging pile.
The features for which protection is claimed are
those of shape and/or pattern and/or configuration

and/or ornamentation, substantially as shown in the representations.



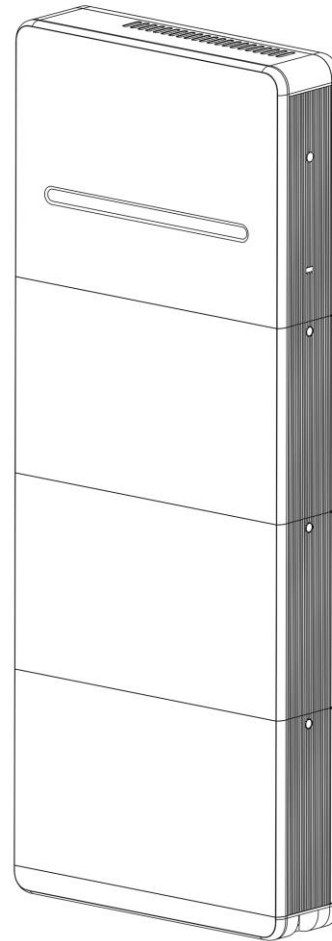
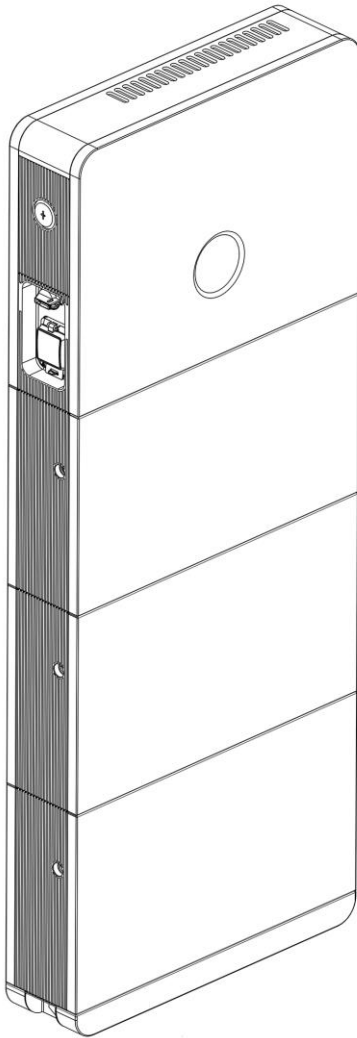
21: A2024/00524 22: 2024-06-04 23:
43: 2024-08-13
52: Class 13 24: Part A
71: HICONICS ECO-ENERGY DRIVE
TECHNOLOGY CO., LTD., HICONICS ECO-
ENERGY TECHNOLOGY CO., LTD.
33: CN 31: 202430205732.9 32: 2024-04-12
54: CHARGING PILE
57: The design is to be applied to a charging pile.
The features for which protection is claimed are
those of shape and/or pattern and/or configuration
and/or ornamentation, substantially as shown in the
representations.

21: A2024/00525 22: 2024-06-04 23:
43: 2024-08-13
52: Class 13 24: Part A
71: HICONICS ECO-ENERGY DRIVE
TECHNOLOGY CO., LTD., HICONICS ECO-
ENERGY TECHNOLOGY CO., LTD.
33: CN 31: 202430205732.9 32: 2024-04-12
54: CHARGING PILE
57: The design is to be applied to a charging pile.
The features for which protection is claimed are
those of shape and/or pattern and/or configuration
and/or ornamentation, substantially as shown in the
representations.



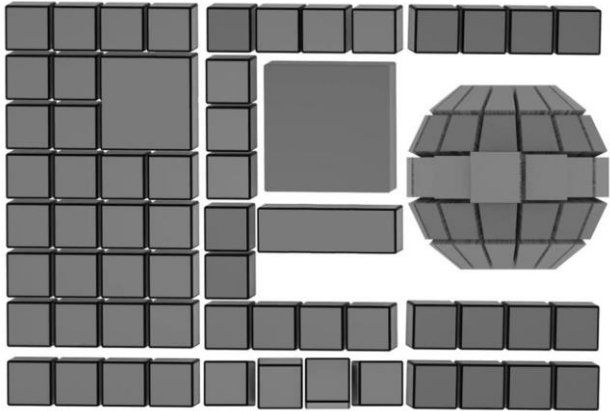
21: A2024/00570 22: 2024-06-13 23:
43: 2024-08-13
52: Class 13 24: Part A
71: HICONICS ECO-ENERGY DRIVE
TECHNOLOGY CO., LTD., HICONICS ECO-
ENERGY TECHNOLOGY CO., LTD.
33: CN 31: 202430194632.0 32: 2024-04-09
54: PHOTOVOLTAIC OPTIMIZER
57: The design relates to a photovoltaic optimizer.
The features for which protection is claimed are
those of shape and/or pattern and/or configuration
and/or ornamentation, substantially as shown in the
representations.

21: A2024/00571 22: 2024-06-13 23:
43: 2024-08-13
52: Class 13 24: Part A
71: HICONICS ECO-ENERGY DRIVE
TECHNOLOGY CO., LTD., HICONICS ECO-
ENERGY TECHNOLOGY CO., LTD.
33: CN 31: 202430217364.X 32: 2024-04-17
54: ONE-PIECE ENERGY STORAGE DEVICE
57: The design relates to a one-piece energy
storage device. The features for which protection is
claimed are those of shape and/or pattern and/or
configuration and/or ornamentation, substantially as
shown in the representations.



21: A2024/00572 22: 2024-06-13 23:
43: 2024-08-13
52: Class 13 24: Part A
71: HICONICS ECO-ENERGY DRIVE
TECHNOLOGY CO., LTD., HICONICS ECO-
ENERGY TECHNOLOGY CO., LTD.
33: CN 31: 202430217364.X 32: 2024-04-17
54: ONE-PIECE ENERGY STORAGE DEVICE
57: The design relates to a one-piece energy
storage device. The features for which protection is
claimed are those of shape and/or pattern and/or
configuration and/or ornamentation, substantially as
shown in the representations.

21: A2024/00574 22: 2024-06-14 23:
43: 2024-08-13
52: Class 14 24: Part A
71: CHUTONG TECHNOLOGY (SHANGHAI) CO.,
LTD.
33: CN 31: 2023308242371 32: 2023-12-14
**54: DISPLAY SCREEN WITH THREE-
DIMENSIONAL OPERATING INTERFACE**
57: The design relates to a display screen with
three-dimensional operating interface. The features
for which protection is claimed are those of shape
and/or pattern and/or configuration and/or
ornamentation, substantially as shown in the
representations.



21: A2024/00618 22: 2024-06-24 23:

43: 2024-08-13

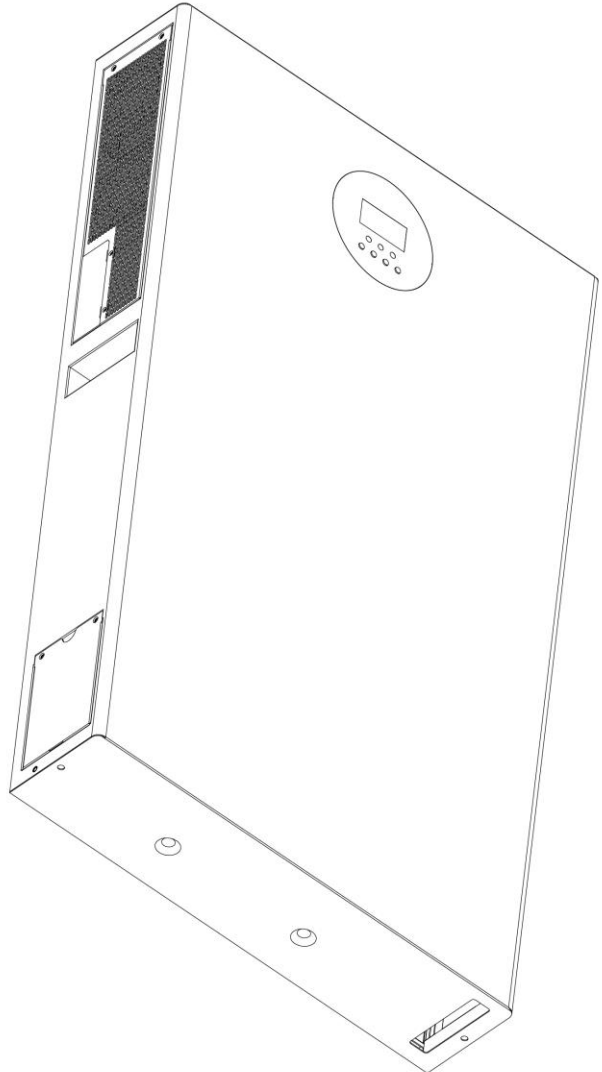
52: Class 13 24: Part A

71: SRNE SOLAR CO., LTD

33: CN 31: 202430278083.5 32: 2024-05-11

54: ENERGY STORAGE DEVICE

57: The design relates to an Energy storage device. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2024/00619 22: 2024-06-24 23:

43: 2024-08-13

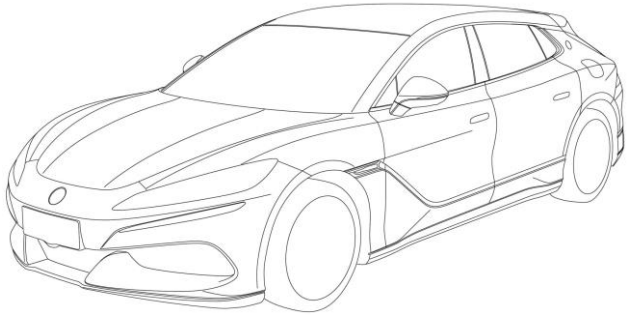
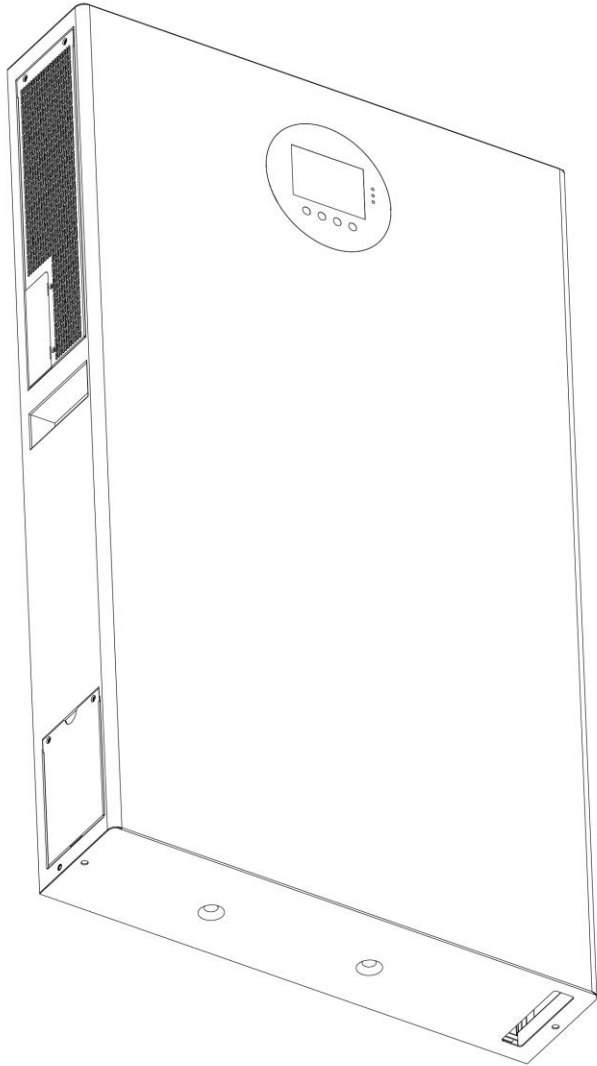
52: Class 13 24: Part A

71: SRNE SOLAR CO., LTD

33: CN 31: 202430278083.5 32: 2024-05-11

54: ENERGY STORAGE DEVICE

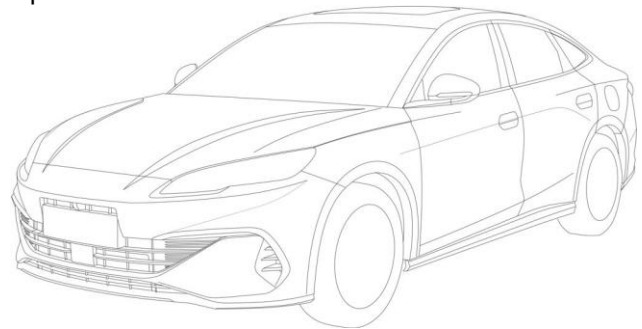
57: The design relates to an Energy storage device. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2024/00659 22: 2024-07-01 23:
43: 2024-08-13
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202430016699.5 32: 2024-01-10

54: AUTOMOBILE

57: The design is to be applied to an automobile. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: A2024/00623 22: 2024-06-26 23:
43: 2024-08-13
52: Class 12 24: Part A
71: BYD COMPANY LIMITED
33: CN 31: 202430016715.0 32: 2024-01-10

54: AUTOMOBILE

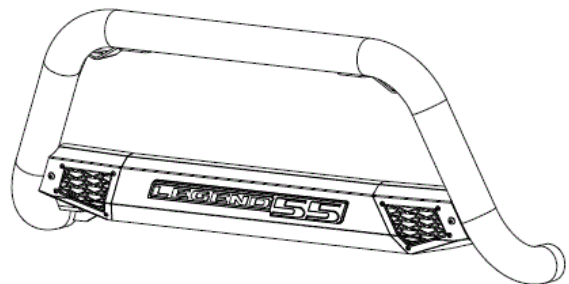
57: The design is to be applied to an automobile. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.

21: A2024/00662 22: 2024-07-01 23:
43: 2024-07-26

52: Class 12 24: Part A
71: KAP Automotive (Pty) Ltd

54: HONEYCOMB NUDDGE BAR

57: The design relates to a Honeycomb Nudge Bar. The features of the design are those of shape and/or configuration and/or ornamentation.



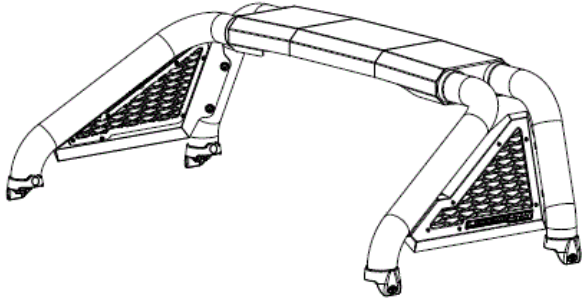
21: A2024/00663 22: 2024-07-01 23:
43: 2024-07-26

52: Class 12 24: Part A

71: KAP Automotive (Pty) Ltd

54: HONEYCOMB SPORTS BAR

57: The design relates to a Honeycomb Sports Bar. The features of the design are those of shape and/or configuration and/or ornamentation.



21: A2024/00669 22: 2024-07-02 23:
43: 2024-08-13

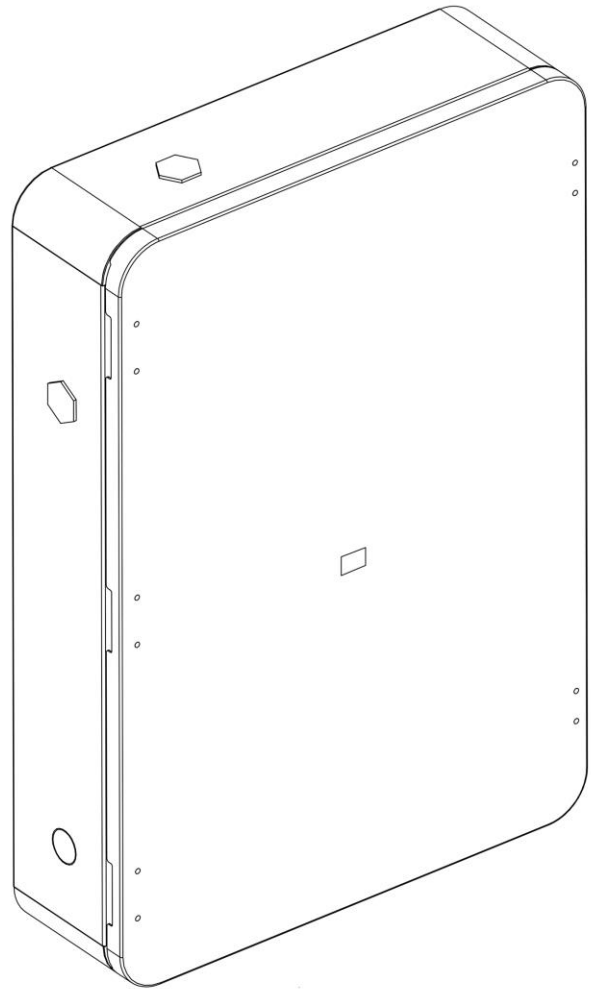
52: Class 13 24: Part A

71: HICONICS ECO-ENERGY DRIVE TECHNOLOGY CO., LTD., HICONICS ECO-ENERGY TECHNOLOGY CO., LTD.

33: CN 31: 202430217365.4 32: 2024-04-17

54: POWER DISTRIBUTION CABINET

57: The design relates to a power distribution cabinet. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations.



21: F2021/01438 22: 2021-11-18 23:
43: 2022-06-14

52: Class 08 24: Part F

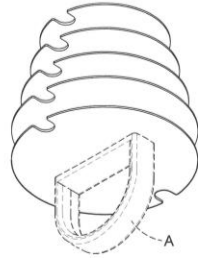
71: EARTH WORKS TECHNOLOGIES (PTY) LIMITED

54: PLUG

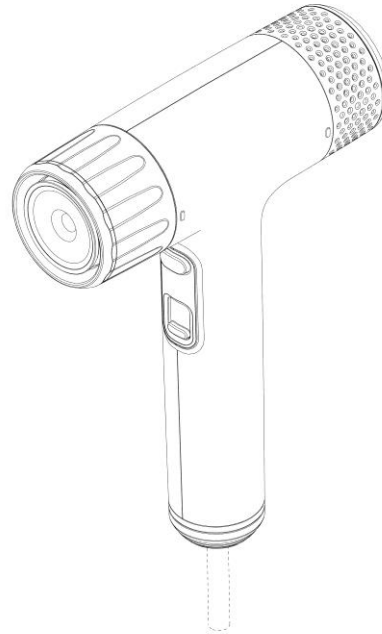
57: The features of the design for which protection is claimed reside in the shape and/or configuration of the plug substantially as shown in the accompanying representations. The handle (depicted in broken lines and designated as "A") does not form part of the design and is specifically excluded from the protection sought



TOP PERSPECTIVE VIEW



BOTTOM PERSPECTIVE VIEW



21: F2022/00112 22: 2022-02-02 23:
43: 2022-10-03
52: Class 28 24: Part F
71: GA.MA S.R.L. UNIPERSONALE
33: IT 31: 008638688-0001 32: 2021-08-03

54: HAIR DRIERS

57: The features of the design for which protection is claimed reside in the shape and/or configuration of the hair drier substantially as shown in the accompanying representations. The electrical cord (indicated in broken lines) does not form a part of the design, and this aspect is specifically disclaimed as forming part of the design protection sought

21: F2022/00433 22: 2022-04-25 23: 2022-04-12
43: 2024-08-12
52: Class 19 24: Part F
71: Magdalena Henrietta Elizabetha Pieters
33: ZA 31: 1 32: 2022-03-27

54: WEATHER AND DATE EDUCATIONAL AID

57: Educational aid which incorporates the following:

1. A puzzle or device or a method by which a date calendar can be constructed, displaying the date, month, year and season;
2. Matrix Columns into which the daily weather conditions can be entered, amongst which the general conditions using a weather icon indication same, the temperature in Celcius and fahrenheit, the atmospheric air pressure, humidity, the probability of Precipitation, the wind direction, wind speed.
3. An information section displaying instructions as to how to ascertain the various weather conditions, i.e. in the case of wind speed, a table to show the wind speed of a gale force wind, together with pictures as to what such wind speed would do to the environment;
4. Two columns of identical graphs, of which one is to record the daily weather conditions recorded in the matrix described in 2. above, the first column being intended for the daily conditions, the second column being intended for the prediction of weather conditions for the following week. At the end of every week (Saturday) the prediction graphs in Column 2 are filled in using the conditions which

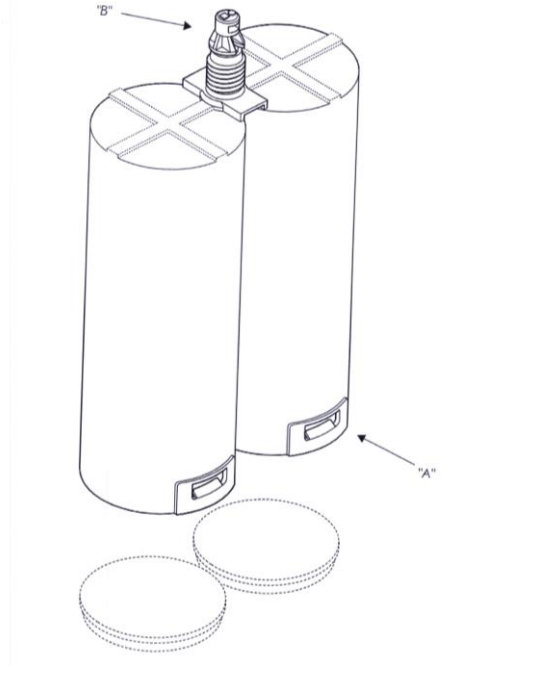
prevailed for the present week ("week 1", as recorded in the matrix and in the graphs of Column 1. The details in the graphs of Column 1, as well as the recorded details in the matrix, are then deleted. Recording of conditions into the matrix and into the graphs of column 1 then commence again commence again on Sunday which is the first day of the second week. At the end of week 2, the recorded details of week 2 are compared to the predictions. The predictions are then deleted/erased and aq new set of prediction are filled inhto the predictions-graphs in Column 2. The same pattern repeating itslef throughout the school year.

5. Loose pictures which could be puzzles pieces, displaying weather icons on them.
6. Loose pictures of figurines which display the effect that weather conditions have on the human beings, e.g. a when the temerature is very hot (around 30 degrees Celcius), the emoyi of the face with its togue hanging out, shows the effect of high temperature on the human being. Or when it is very cold, e.g., -2 degrees Celcius, the picture of a little girl wrapped in a thick coat represents the effect on the human being., i.e., what it feels like at that temperature.
7. A wind rose with movable hands to indicate the prevailing wind direction.
8. A little iconf on a small "gogga" like a ladybird to point to "today's date".

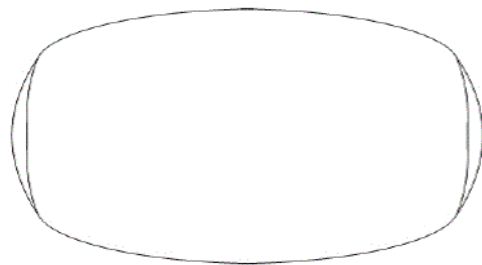


21: F2023/00955 22: 2023-09-01 23: 2023-05-02
 43: 2024-07-16
 52: Class 09 24: Part F
 71: SCHNETLER, Stephan
54: A DUAL CARTRIDGE DISPENSER
 57: The features for which protection are claimed reside in the shape and/or configuration of a dual cartridge dispenser, substantially as shown in the

accompanying drawings. The features which are indicated in broken lines do not form part of the design.

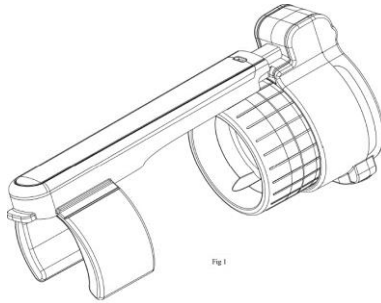


21: F2023/01109 22: 2023-10-13 23:
 43: 2024-06-11
 52: Class 21 24: Part F
 71: ORB SPORTS AND LEISURE CC
54: INFLATABLE BALL
 57: The design is applied to an inflatable ball. The features of the design for which protection is claimed include the shape and/or configuration of an inflatable ball as shown in the drawings, showing the general appearance thereof.



21: F2023/01179 22: 2023-10-31 23:
 43: 2024-06-11
 52: Class 24 24: Part F
 71: BIOCORP PRODUCTION S.A., à Conseil d'Administration
 33: WO 31: DM/230156 32: 2023-06-28
54: ADD-ON MONITORING MODULE FOR AN INJECTION PEN

57: The drawing shows a front perspective view of an add-on monitoring module for an injection pen in accordance with the present design showing the overall appearance thereof.



21: F2023/01195 22: 2023-11-03 23:
43: 2024-07-16

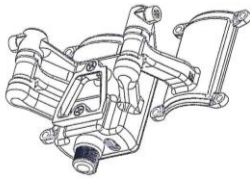
52: Class 16 24: Part F

71: KLEIN, Avner

33: US 31: 29/891428 32: 2023-05-05

54: BRIDGE MOUNT FOR AN OPTICAL DEVICE

57: The novelty of the design resides in the shape or configuration of a bridge mount for an optical device substantially as shown in the accompanying representation. The features illustrated in broken-lines are for illustrative purposes only, and do not form part of the design.



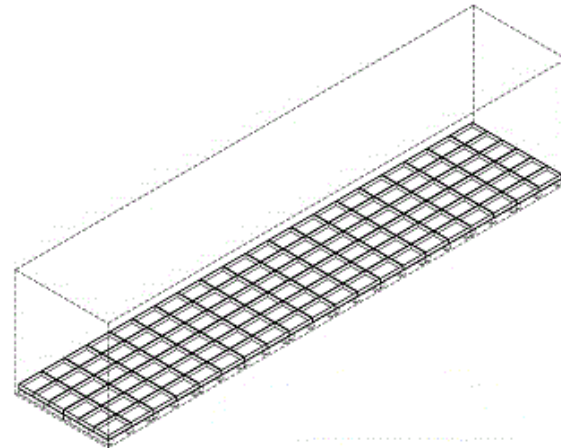
21: F2023/01225 22: 2023-11-14 23:
43: 2024-06-06

52: Class 9. 24: Part F

71: MPACT LIMITED

54: Array of Stacks of Sets of Containers

57: The design relates to an array of stacks of sets of containers. The features of the design are those of shape and/or configuration and/or pattern.



PERSPECTIVE VIEW OF ARRAY HOUSED IN SHIPPING CONTAINER

21: F2023/01226 22: 2023-11-14 23:

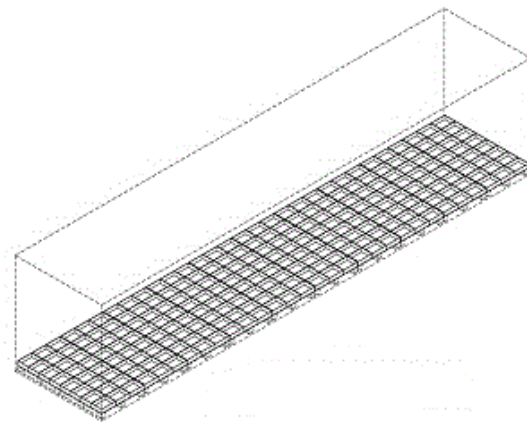
43: 2024-06-06

52: Class 9. 24: Part F

71: MPACT LIMITED

54: Array of Stacks of Sets of Containers

57: The design relates to an array of stacks of sets of containers. The features of the design are those of shape and/or configuration and/or pattern.



PERSPECTIVE VIEW OF ARRAY HOUSED IN SHIPPING CONTAINER

21: F2023/01240 22: 2023-11-17 23:

43: 2024-06-11

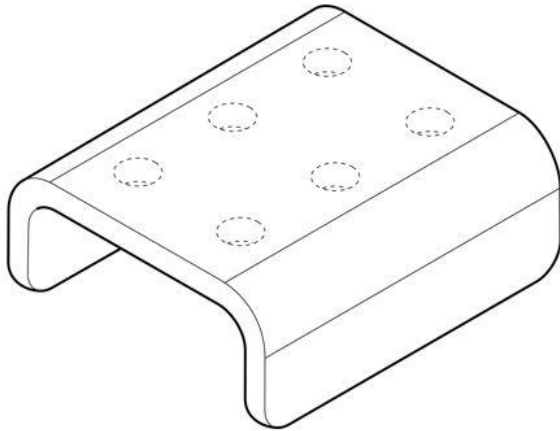
52: Class 24 24: Part F

71: BOSHOFF, George Stott

54: OCCLUSAL STOP DEVICE

57: The design is applied to an occlusal stop device. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the occlusal stop device, substantially as illustrated in the accompanying

representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2023/01242 22: 2023-11-17 23:
43: 2024-07-16
52: Class 08 24: Part F
71: NEMTEK HOLDINGS (PTY) LTD

54: TENSIONER

57: The feature of the design for which protection is claimed resides in the shape and/or configuration of a tensioner substantially as illustrated in the accompanying drawing.

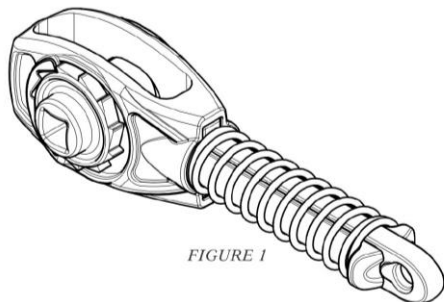
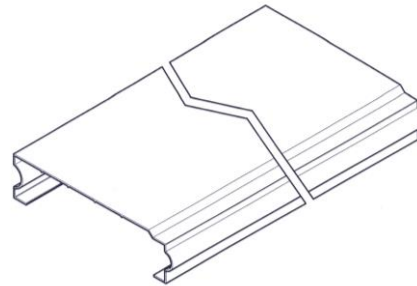


FIGURE 1

21: F2023/01280 22: 2023-11-24 23:
43: 2024-07-16
52: Class 25 24: Part F
71: DOORS GALORE (PTY) LTD

54: PROFILE

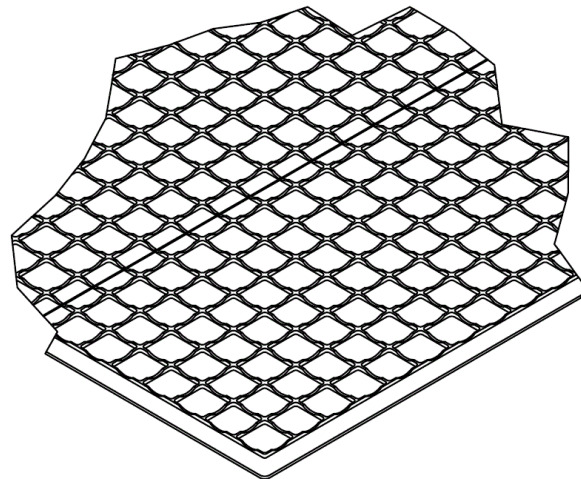
57: The novelty of the design resides in the cross-sectional shape and/or configuration of an elongate profile, of variable length "L" substantially as shown in the accompanying representation. The number, shape, and position of ribs "A" on an inner surface of the profile are variable.



21: F2023/01284 22: 2023-11-29 23:
43: 2024-06-11
52: Class 21 24: Part F
71: MANTZIVIS, Lionel, Nicholas

54: AN ACCESSORY FOR A GAME BOARD

57: The representation shows a close-up, isometric view of a surface of the accessory for a game board in accordance with the present design, specifically showing the retaining arrangements. The retaining arrangements are typically formed by a plurality of side walls standing proud of the surface of the accessory for a game board, each side wall having recessed, crescent-shaped edges

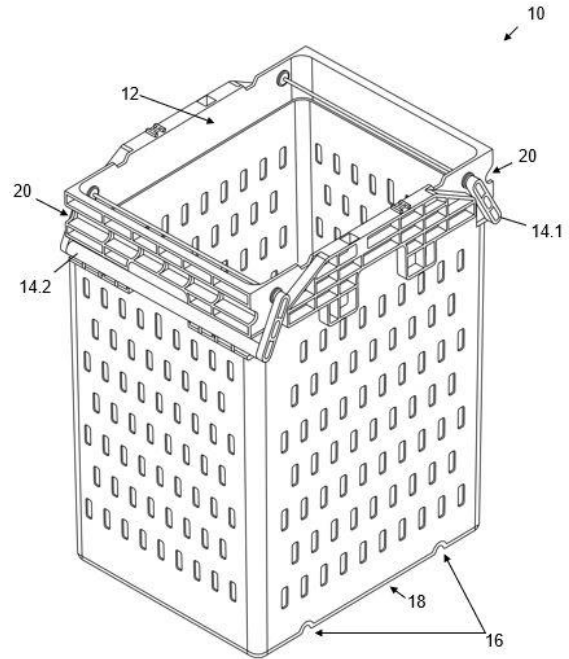
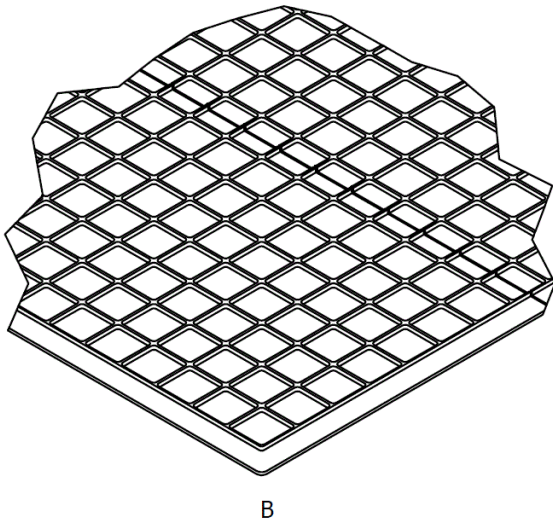


C

21: F2023/01285 22: 2023-11-29 23:
43: 2024-06-11
52: Class 21 24: Part F
71: MANTZIVIS, Lionel, Nicholas

54: AN ACCESSORY FOR A GAME BOARD

57: The representation shows a close-up, isometric view of a surface of the accessory for a game board in accordance with the present design, specifically showing the retaining arrangements. The retaining arrangements are typically formed by a plurality of side walls standing proud of the surface of the accessory for a game board.

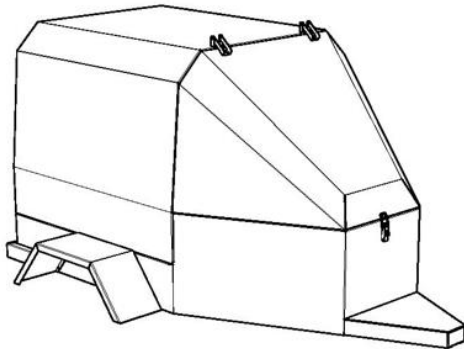


21: F2023/01292 22: 2023-11-30 23:
43: 2024-07-16

52: Class 12 24: Part F
71: LAWNPRO HEAD OFFICE

54: MOBILE TRIALERS

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a MOBILE TRAILER as shown in the accompanying representations, irrespective of the features shown in broken lines.



FRONT PERSPECTIVE VIEW

21: F2023/01400 22: 2023-12-12 23:
43: 2024-07-03

52: Class 09 24: Part F
71: TRENSTAR SA (PTY) LTD

54: A CONTAINER

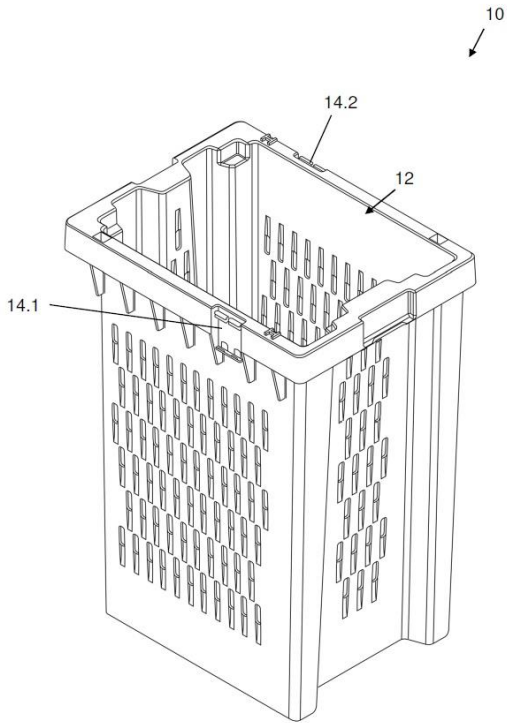
57: The design is applied to a container. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the container, substantially as illustrated in the accompanying representations.

21: F2023/01395 22: 2023-12-12 23:
43: 2024-07-03

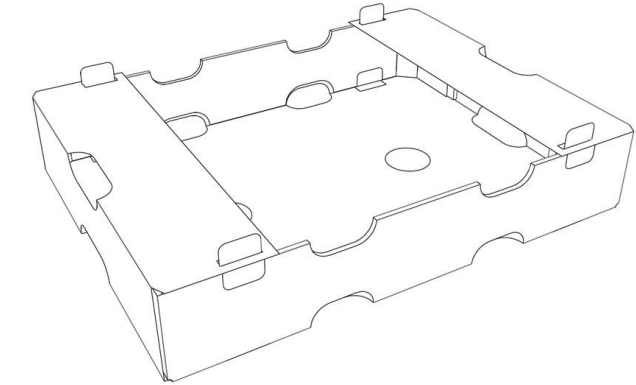
52: Class 09 24: Part F
71: TRENSTAR SA (PTY) LTD

54: A CONTAINER

57: The design is applied to a container. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the container, substantially as illustrated in the accompanying representations.



52: Class 09 24: Part F
71: APL Cartons (Pty) Ltd
54: CONTAINER
57: The design is for a rectangular, stackable container with double-folded flaps inside its end walls.



21: F2023/01466 22: 2023-12-21 23:
43: 2024-07-16
52: Class 07 24: Part F
71: A.P.S. Plastics (Pty) Ltd.
54: GRINDER ARRANGEMENT
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a grinder arrangement substantially as shown in the accompanying representation(s).



21: F2024/00026 22: 2024-01-11 23:
43: 2024-08-14

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES**NOTICE OF CHANGE OF ADDRESS FOR TSHAYA MASHABELA ATTORNEYS**

1 MARK SHUTTLEWORTH STREET, LYNNWOOD, PRETORIA, 0087 to Harrier Place, 189 Lunnon Rd, Hillcrest, Lynnwood, Pretoria, 0083

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

(Applications filed in terms of Act No. 62 of 1977)

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

No records available

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES**NOTICE OF CHANGE OF ADDRESS FOR TSHAYA MASHABELA ATTORNEYS**

1 MARK SHUTTLEWORTH STREET, LYNNWOOD, PRETORIA, 0087 to Harrier Place, 189 Lunnon Rd, Hillcrest, Lynnwood, Pretoria, 0083

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

The following amendments under applications no: **2005/03010; 2005/03011; 2005/03012 & 2005/03091** in class **19; 35; 37 & 11** were incorrectly advertised in the July 2024 journal with an old Trade Mark. Their new valid publication date will be **28/08/2024** as they are correctly advertised in the August 2024 journal.

PATENT CORRECTION NOTICES

No records available

DESIGNS CORRECTION NOTICES**AFTER THE REVIEW OF THE FIRST CORRECTION NOTICE**

The Design application under application no: **F2023/01032** was advertised in the June 2024 Journal without a drawing/image, and it was re-advertised in the July 2024 journal however it will still retain the June 2024 publication date as the valid publication date. The valid publication date is the **26/06/2024**.

The publication in the June 2024 journal should have appeared as follows:

21: F2023/01032 22: 2023-09-26 23:

43: 2024-04-17

52: Class 9 24: Part F

71: WAVE PAPER (PTY) LTD

54: A BLANK FOR A TRAY FOR FOOD PACKAGING

57: The representation shows a three-dimensional side and top view of a blank for a tray for food packaging in accordance with the present design when folded into a tray for packaging food showing the overall appearance thereof.

**COPYRIGHT CORRECTION NOTICES**

No records available

PATENTS

Advertisement List for August 2024

Number of Advertised Patents: 543

Application Number	Patent Title	Filing Date
2014/02015	DENSITY PHASE SEPARATION DEVICE	2014/03/19
2015/05134	USE OF AGONISTS OF FORMYL PEPTIDE RECEPTOR 2 FOR TREATING OCULAR INFLAMMATORY DISEASES	2015/07/16
2016/00674	CATALYST COMPOSITIONS COMPRISING SMALL SIZE MOLECULAR SIEVES CRYSTALS DEPOSITED ON A POROUS MATERIAL	2016/01/29
2017/02506	COMPOUNDS	2017/04/10
2017/03404	STABILIZER COMPOSITIONS AND METHODS FOR USING SAME FOR PROTECTING ORGANIC MATERIALS FROM UV LIGHT AND THERMAL DEGRADATION	2017/05/17
2017/05365	HOMOGENOUS IMMUNOASSAY WITH COMPENSATION FOR BACKGROUND SIGNAL	2017/08/08
2017/05628	METHODS AND COMPOSITIONS FOR TREATING GENETIC EYE DISEASES	2017/08/18
2018/02704	METHOD OF TREATING MELANOCORTIN-4 RECEPTOR PATHWAY-ASSOCIATED DISORDERS	2018/04/23
2018/02921	DIAMINO PYRIDINE DERIVATIVES	2018/05/04
2018/03481	OVERHEAD TRANSPORT AND ROUTE MANAGEMENT SYSTEM	2018/05/25
2018/03661	COMPOSITIONS AND METHODS FOR DECREASING TAU EXPRESSION	2018/06/01
2018/03771	A RESIN ANCHORED ROCK BOLT WITH A PIERCING END	2018/06/07
2018/04528	METHOD FOR PROCESSING SOLUTIONS OF BIOMOLECULES	2018/07/06
2018/05185	TLR7 AGONIST MALEATE SALT, CRYSTALLINE FORMS C, D AND E THEREOF, PREPARATION METHODS AND USES OF MALEATE SALT AND CRYSTALLINE FORMS	2018/08/01
2018/05186	TLR7 AGONIST CRYSTALLINE FORM A, PREPARATION METHOD AND USE THEREOF	2018/08/01

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2018/06211	Methods and Systems for Recording Multiple Transactions on a Blockchain	2018/09/14
2018/06675	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED ISOXAZOLINE COMPOUNDS ¿ CRYSTALLINE TOLUENE SOLVATE OF (S)¿AFOXOLANER	2018/10/08
2018/06712	FLY FISHING LINE AND METHOD FOR MANUFACTURING SAME	2018/10/09
2018/08535	SYNTHESIS OF N-(HETEROARYL)-PYRROLO[3,2-D]PYRIMIDIN-2-AMINES	2018/12/18
2018/08577	SEEDLESS FRUIT PRODUCING PLANTS	2018/12/19
2019/00450	IMPROVED BAKERY COMPOSITION	2019/01/22
2019/01168	NOVEL COMPOUNDS FOR TREATING PARASITIC DISEASE	2019/02/25
2019/01170	MULTIVALENT PNEUMOCOCCAL VACCINE COMPOSITIONS COMPRISING POLYSACCHARIDE-PROTEIN CONJUGATES	2019/02/25
2019/01557	BI SPECIFIC ANTI¿MUC16¿CD3 ANTIBODIES AND ANTI¿MUC16 DRUG CONJUGATES	2019/03/13
2019/01857	WEAR-RESISTANT RUBBER COMPOSITIONS, SYSTEMS, AND METHODS	2019/03/26
2019/02079	COMBINATION THERAPY WITH LIPOSOMAL ANTISENSE OLIGONUCLEOTIDES	2019/04/03
2019/02146	BINDING MOLECULES THAT MODULATE A BIOLOGICAL ACTIVITY EXPRESSED BY A CELL	2019/04/05
2019/02490	FUNCTION-AS-A-SERVICE (FAAS) PLATFORM IN BLOCKCHAIN NETWORKS	2019/04/17
2019/02654	IN VITRO AND CELL BASED ASSAYS FOR MEASURING THE ACTIVITY OF BOTULINUM NEUROTOXINS	2019/04/26
2019/03125	7-PHENYLETHYLAMINO-4H-PYRIMIDO[4,5-D][1,3]OXAZIN-2-ONE COMPOUNDS AS MUTANT IDH1 AND IDH2 INHIBITORS	2019/05/17
2019/03129	AMINO ACID-CONTAINING MOULDING MATERIAL MIXTURE FOR PRODUCTION OF MOULDINGS FOR THE FOUNDRY INDUSTRY	2019/05/17
2019/04033	PHARMACEUTICAL COMPOUNDS	2019/06/21

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2019/04533	ANTIBODIES AGAINST LIF AND USES THEREOF	2019/07/10
2019/05579	MR1 RESTRICTED T CELL RECEPTORS FOR CANCER IMMUNOTHERAPY	2019/08/23
2020/00148	HETEROCYCLIC INHIBITORS OF ATR KINASE	2020/01/09
2020/00235	FROTH FLOTATION UNIT	2020/01/14
2020/00667	ENCODING METHOD AND APPARATUS THEREFOR, DECODING METHOD AND APPARATUS THEREFOR	2020/01/31
2020/00683	ASSEMBLIES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL OBLATE MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES	2020/01/31
2020/01220	TISSUE-SPECIFIC EXPRESSION CONTROL OF DELLA POLYPEPTIDES	2020/02/26
2020/01294	MULTISPECIFIC ANTIBODY	2020/02/28
2020/01699	METHOD FOR PRODUCING LIGNOCELLULOSE MATERIALS IN THE PRESENCE OF CAPROLACTAM AND OLIGOMERS OF CAPROLACTAM	2020/03/18
2020/01930	BAKER'S YEAST EXPRESSING ANTI-STALING/FRESHNESS AMYLASES	2020/03/24
2020/02565	METHOD FOR PRODUCING POLYOXYMETHYLENE DIMETHYL ETHERS	2020/05/08
2020/03451	TRUCK BOX	2020/06/09
2020/04320	COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR AUTHORISING BLOCKCHAIN TRANSACTIONS WITH LOW-ENTROPY PASSWORDS	2020/07/14
2020/04370	METHODS OF TREATING INITIAL EPISODE OF TTP WITH IMMUNOGLOBULIN SINGLE VARIABLE DOMAINS	2020/07/16
2020/04427	CO-CRYSTALS OF BOSCALID AND TRIAZOLES	2020/07/17
2020/05297	PERMANENT FORMWORK AND SUPPORT SYSTEM	2020/08/25
2020/06380	PARTITIONING A BLOCKCHAIN NETWORK	2020/10/14
2020/06893	ELECTRIC FENCING COMPONENTS	2020/11/04
2020/07406	ADENOASSOCIATED VIRUS VECTORS FOR THE TREATMENT	2020/11/27

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	OF MUCOPOLYSACCHARIDOSES TYPE IV A	
2020/07508	A WASH-OFF LABEL	2020/12/02
2020/07679	PHARMACEUTICAL COMBINATION, COMPOSITION, AND COMBINATION FORMULATION COMPRISING GLUCOKINASE ACTIVATOR AND SGLT-2 INHIBITOR AND PREPARATION METHODS AND USES THEREOF	2020/12/09
2020/07950	DISPENSER OF BULK MATERIAL	2020/12/18
2021/00221	FUSED TRI-CYCLIC COMPOUND AS PDE3/PDE4 DUAL INHIBITOR	2021/01/13
2021/00375	THERAPY OF HIGH-RISK HUMAN PAPILLOMAVIRUS INFECTIONS	2021/01/19
2021/00551	THERMO OPTICAL CONTROL OF FOCUS POSITION OF AN ENERGY BEAM IN AN ADDITIVE MANUFACTURING APPARATUS	2021/01/26
2021/00768	METHODS AND APPARATUSES FOR AUTONOMOUS RESOURCE SELECTION IN NEW RADIO VEHICLE TO EVERYTHING (NR V2X)	2021/02/03
2021/00870	COMPOSITIONS AND METHODS FOR FEEDING DOMESTICATED ANIMALS	2021/02/09
2021/00916	MULTI-SPECIFIC BINDING PROTEINS THAT BIND HER2, NKG2D, AND CD16, AND METHODS OF USE	2021/02/10
2021/01109	REVERSIBLE SEED TRENCH APPURTENANCE ASSEMBLY	2021/02/18
2021/01173	COMPOSITION CONTAINING INFLUENZA VACCINE	2021/02/22
2021/01324	RECOMBINANT NEWCASTLE DISEASE VIRUS-VECTORED NOVEL CORONAVIRUS VACCINE CANDIDATE STRAIN, CONSTRUCTION METHOD AND APPLICATION THEREOF	2021/02/26
2021/01449	6-(4-AMINO-3-METHYL-2-OXA-8-AZASPIRO[4.5]DECAN-8-YL)-3-(2,3-DICHLOROPHENYL)-2-METHYLPYRIMIDIN-4(3H)-ONE DERIVATIVES AND RELATED COMPOUNDS AS PTPN11 (SHP2) INHIBITORS FOR TREATING CANCER	2021/03/03
2021/01451	TRANSMITTING SIGNALS	2021/03/03
2021/01476	METHODS AND COMPOSITIONS FOR NUCLEIC ACID ISOLATION	2021/03/03

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2021/01477	NUCLEIC ACID ISOLATION AND RELATED METHODS	2021/03/03
2021/01478	NUCLEIC ACID DECONTAMINATION METHODS	2021/03/03
2021/01549	IMMUNOGENETIC CANCER SCREENING TEST	2021/03/08
2021/01585	AEROSOL-GENERATING ARTICLE WITH LAMINATED WRAPPER	2021/03/09
2021/01663	PURIFIED CAPSULAR POLYSACCHARIDES OF STREPTOCOCCUS PNEUMONIAE	2021/03/11
2021/01845	A HOUSING UNIT FOR A LOAD CARRIER	2021/03/18
2021/01884	STRIPPING OF METAL FROM CATHODES	2021/03/19
2021/01957	ISOXAZOLE CARBOXAMIDE COMPOUNDS AND USES THEREOF	2021/03/24
2021/02076	FIRE EXTINGUISHING COMPOSITION	2021/03/26
2021/02234	AN IRON CONTAINING COMPOSITION AND USE THEREOF	2021/04/01
2021/02238	COMPOSITIONS AND SYSTEMS COMPRISING TRANSFECTION-COMPETENT VESICLES FREE OF ORGANIC-SOLVENTS AND DETERGENTS AND METHODS RELATED THERETO	2021/04/01
2021/02325	STARTUP SEQUENCE FOR ROLLER CRUSHER	2021/04/08
2021/02339	HAIL NETTING	2021/04/09
2021/02347	PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES	2021/04/09
2021/02412	ROTOMERIC ISOMERS OF 4-ALKYL-5-HETEROARYL-3H-1,2-DITHIOLE-3-THIONES	2021/04/13
2021/02416	BIOPOLYMER COATED FIBER FOOD SERVICE ITEMS	2021/04/13
2021/02491	METHODS OF EXTRACTION OF PRODUCTS FROM TITANIUM-BEARING MATERIALS	2021/04/15
2021/02604	COMBINATION CANCER IMMUNOTHERAPY WITH PENTAAZA MACROCYCLIC RING COMPLEX	2021/04/20
2021/02649	MEMBRANES FOR MEMBRANE DISTILLATION DESALINATION TECHNOLOGY	2021/04/21
2021/02816	HIGH CONCENTRATION PROTEIN FORMULATION	2021/04/28

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2021/02846	ANTIVIRAL PRODRUGS AND NANOFORMULATIONS THEREOF	2021/04/28
2021/02945	CONSENSUS-BASED VOTING FOR NETWORK MEMBER IDENTIFICATION EMPLOYING BLOCKCHAIN-BASED IDENTITY SIGNATURE MECHANISMS	2021/04/30
2021/02986	PROTEIN SOLUTION FORMULATION CONTAINING HIGH CONCENTRATION OF AN ANTI-VEGF ANTIBODY	2021/05/04
2021/03932	VIDEO CODING METHOD ON BASIS OF SECONDARY TRANSFORM, AND DEVICE FOR SAME	2021/06/08
2021/04352	AEROSOL-GENERATING SUBSTRATE COMPRISING AN AEROSOL-GENERATING FILM	2021/06/24
2021/04948	METHODS FOR OBTAINING INDUCED SMOOTH MUSCLE CELLS	2021/07/14
2021/05709	PREHEATING KILN SYSTEM	2021/08/12
2021/06132	ARRANGEMENT AND SWITCHING DEVICE WITH CONTACTLESS CURRENT MEASURING CAPABILITY	2021/08/25
2021/07403	TRANSACTION DATA PROCESSING AND DOCUMENT AND DATA MANAGEMENT METHOD AND SYSTEM	2021/09/30
2021/08155	PROCESS FOR THE SMELTING OF A METALLIFEROUS FEEDSTOCK MATERIAL	2021/10/22
2021/09912	EDIBLE PASTE AND COMPOSITION AND METHOD OF PREPARATION	2021/12/02
2021/10478	IMMEDIATE RELEASE FIXED-DOSE COMBINATION OF MEMANTINE AND DONEPEZIL	2021/12/15
2021/10878	HASH FUNCTION ATTACKS	2021/12/23
2022/00266	COMPOSITION FOR PROSTAGLANDIN TRANSPORTER INHIBITION AND RELATED THERAPEUTIC APPLICATIONS	2022/01/05
2022/00267	MICROPARTICLE COMPOSITIONS COMPRISING SAFLUFENACIL	2022/01/05
2022/00276	VEHICLE BRAKING SYSTEM	2022/01/05
2022/00519	PIPERIDINYL-METHYL-PURINEAMINES AS NSD2 INHIBITORS AND ANTI-CANCER AGENTS	2022/01/11
2022/00828	6,7-DIHYDRO-5H-PYRIDO[2,3-C]PYRIDAZINE DERIVATIVES AND RELATED COMPOUNDS AS BCL-XL PROTEIN INHIBITORS AND PRO-	2022/01/18

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	APOPTOTIC AGENTS FOR TREATING CANCER	
2022/00840	GRINDING TOOL FOR GRINDING BUTTONS ON A ROCK DRILL BIT	2022/01/18
2022/01779	WET PREPARATION OF RADIOTHERAPY SOURCES	2022/02/10
2022/01978	SYSTEM AND METHOD FOR TESTING AN AGRICULTURAL IMPLEMENT	2022/02/16
2022/01979	AGRICULTURAL TRENCH DEPTH ADJUSTMENT FOR ROW UNIT	2022/02/16
2022/01980	AGRICULTURAL TRENCH DEPTH SYSTEMS, METHODS, AND APPARATUS	2022/02/16
2022/02095	EXPLOSIVES PUMP ELECTRICITY SUPPLY AND CONTROL	2022/02/18
2022/02099	LIQUID EXPLOSIVES PUMP	2022/02/18
2022/02108	METHODS AND IMAGING SYSTEMS FOR HARVESTING	2022/02/18
2022/02537	CONCRETE VARIABLE CROSS-SECTION PREFABRICATED SQUARE PILE	2022/03/01
2022/02598	DRILL	2022/02/28
2022/02796	COMBINATION THERAPIES FOR TREATING MYELODYSPLASTIC SYNDROMES AND ACUTE MYELOID LEUKEMIA	2022/03/08
2022/02914	LIGHT GOLD	2022/03/10
2022/02987	PULSE VALVE	2022/03/11
2022/03209	MULTI-STAIN CLEANING ROBOT AND METHOD FOR CONTROLLING MOTION PATH BASED ON THE SAME	2022/03/17
2022/03248	BICYCLIC COMPOUND AND USE THEREOF	2022/03/18
2022/03446	1,2,4-OXADIAZOLE DERIVATIVES AS LIVER X RECEPTOR AGONISTS	2022/03/24
2022/03619	NEURAL NETWORK ARCHITECTURE FOR TRANSACTION DATA PROCESSING	2022/03/29
2022/03620	TRAINING A MACHINE LEARNING SYSTEM FOR TRANSACTION DATA PROCESSING	2022/03/29
2022/03800	METHODS FOR ANALYSIS OF VIRAL CAPSID PROTEIN COMPOSITION	2022/04/04
2022/03822	METHOD FOR PREPARING ARYL 2-TETRAZOL-2-YL KETONE WITH IMPROVED SELECTIVITY	2022/04/04
2022/04019	METHOD FOR PREPARING DISODIUM 5'-GUANYLATE HEPTAHYDRATE CRYSTAL	2022/04/08

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2022/04076	COMPOSITIONS HAVING PESTICIDAL UTILITY AND PROCESSES RELATED THERETO	2022/04/11
2022/04081	COMPRESSED NICOTINE LOZENGE	2022/04/11
2022/04192	SITE-SPECIFIC QUANTITATION OF DRUG CONJUGATIONS	2022/04/13
2022/04275	METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID	2022/04/14
2022/04276	METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID	2022/04/14
2022/04277	METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID	2022/04/14
2022/04278	METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID	2022/04/14
2022/04280	METHODS FOR THE PREPARATION OF 5-BROMO-2-(3-CHLORO-PYRIDIN-2-YL)-2H-PYRAZOLE-3-CARBOXYLIC ACID	2022/04/14
2022/04357	ALPHA-1 ANTITRYPSIN (AAT) RNAI AGENTS, COMPOSITIONS INCLUDING AAT RNAI AGENTS, AND METHODS OF USE	2022/04/19
2022/04386	HETEROCYCLIC CARBOXYLATE COMPOUNDS AS GLYCOLATE OXIDASE INHIBITORS	2022/04/19
2022/04525	OPTIMIZED METHOD FOR DEPOLYMERIZING A POLYESTER COMPRISING POLYETHYLENE TEREPHTHALATE	2022/04/22
2022/04669	METAL CARD WITH BIOMETRIC FEATURES	2022/04/26
2022/04703	A PILOT VALVE	2022/04/28
2022/04803	AN EFFICIENT NEW PROCESS FOR SYNTHESIS OF 2-AMINO-5-CHLORO-N-,3-DIMETHYLBENZAMIDE	2022/04/29
2022/05750	SURFACE FINISH MANUFACTURING SYSTEM AND PROCESS	2022/05/24
2022/05785	CHROMATOGRAPHIC SEPARATION OF METALS USING DOTA-BASED CHELATORS	2022/05/25

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2022/06046	AEROSOL-GENERATING ELEMENT FOR USE IN AN AEROSOL-GENERATING ARTICLE OR SYSTEM	2022/05/31
2022/06243	CRICKET BAT	2022/06/06
2022/06323	TREATMENT INVOLVING IMMUNE EFFECTOR CELLS GENETICALLY MODIFIED TO EXPRESS ANTIGEN RECEPTORS	2022/06/07
2022/07264	INTRA PREDICTION-BASED VIDEO ENCODING/DECODING METHOD AND DEVICE	2022/06/30
2022/08641	QUANTITATIVE CONTROL OF ACTIVITY OF ENGINEERED CELLS EXPRESSING UNIVERSAL IMMUNE RECEPTORS	2022/08/02
2022/08791	A COMPOSITE TAILGATE ASSEMBLY FOR A VEHICLE AND A METHOD THEROF	2022/08/05
2022/09834	STORAGE UNIT WITH SUPPORT CRADLE	2022/09/02
2022/10968	ELECTRICAL PARAMETER MONITORING	2022/10/06
2022/10997	NANOBUBBLES AND GAS-LIQUID MIXTURES FOR ENHANCED CARBON DIOXIDE SEQUESTRATION	2022/10/07
2022/11536	SYSTEM AND METHOD FOR TREATMENT OF PLANTS FOR SYNTHESIS OF COMPOUNDS THEREFROM	2022/10/21
2022/11666	GLUTARALDEHYDE COMPOSITIONS	2022/10/26
2022/11771	A VEHICLE CLEANING ARRANGEMENT	2022/10/28
2022/11822	CABLE ANCHOR TENSIONING ASSEMBLY	2022/10/31
2022/11997	A SEALING MECHANISM FOR AN ENCLOSURE	2022/11/03
2022/12361	SYSTEM AND METHOD FOR GENERATING PATIENT-SPECIFIC VENTILATION SETTINGS BASED ON LUNG MODELING	2022/11/11
2022/12366	METHOD OF PREPARING A WINE BLENDED WITH HONEY	2022/11/14
2022/12409	DEVICE FOR PREPARING AND DISPENSING RECONSTITUTED BEER	2022/11/14
2022/12444	SELF CLEANING DEVICE AND METHOD FOR CONTINUOUS FILTRATION OF HIGH VISCOSITY FLUIDS	2022/11/15

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2022/12765	CORNER SEGMENT HAVING PROTRUSIONS ON WEAR ZONES	2022/11/23
2022/13027	VENTILATION MONITORING METHOD AND SYSTEM THEREFOR	2022/11/30
2022/13152	NOVEL ACID SECRETION INHIBITOR AND USE THEREOF	2022/12/05
2022/13273	MICROBIAL-BASED PROCESS FOR IMPROVED QUALITY PROTEIN CONCENTRATE	2022/12/07
2022/13498	A HEATING UNIT	2022/12/13
2022/13713	METHODS FOR THE TRANSMISSION OF DATA BETWEEN A RESOURCE-CONSTRAINED DEVICE AND A NON-GEOSTATIONARY SATELLITE AND ASSOCIATED SYSTEM	2022/12/19
2023/00168	RECOVERY OF RARE EARTH METALS FROM FERROMAGNETIC ALLOYS	2023/01/03
2023/00835	DEVICE AND METHOD FOR INSPECTING CONTAINERS IN A CLEANING FACILITY	2023/01/18
2023/01007	A REBATE TRACKING SYSTEM	2023/01/24
2023/01048	EXTRACTION METHOD	2023/01/24
2023/01051	CONTROL OF AN AMMONIA SYNTHESIS LOOP AT PARTIAL LOAD	2023/01/24
2023/01102	SYSTEM, APPARATUS AND METHOD FOR INSTALLATION OF STREET FURNITURE	2023/01/26
2023/01119	INTEGRAL FILTER ENDCAP, MOLD, AND SEAL	2023/01/26
2023/01284	UNDERGROUND WORKSITE VEHICLE POSITIONING CONTROL	2023/01/31
2023/01370	ELECTRO-MECHANICAL LINEAR DRIVE UNIT FOR PRECISE POSITIONING E.G. OF A LARGE REFLECTOR USED IN RADIO ASTRONOMY OR OF A COMMUNICATION ANTENNA	2023/02/02
2023/01383	EFFERVESCENT FORMULATION CONTAINING APOAEQUORIN	2023/02/02
2023/01855	GENETIC-ALGORITHM-BASED EQUALIZATION USING IIR FILTERS	2023/02/15
2023/01935	PREDICTIVE CONTROL OF YANKEE DRYER CHEMISTRY AND CREPED PRODUCT QUALITY	2023/02/16
2023/01985	PREPARATION OF NIOBIUM NANOPARTICLES, USE AND METHOD FOR OBTAINING SAME	2023/02/17

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2023/01988	UNIVERSAL PROPELLER, OPERATING METHOD AND FAVOURED USES	2023/02/17
2023/01989	METHOD AND SYSTEM OF SIMULATIONS FOR PERSONALIZED BRAIN TREATMENTS	2023/02/17
2023/01991	SYSTEM AND METHOD FOR TRANSFERRING THERMAL ENERGY FROM INTEGRATED CIRCUITS	2023/02/17
2023/02147	LOCATION INFORMATION PROCESSING, REPORTING METHOD, BASE STATION DEVICE AND COMPUTER STORAGE MEDIUM	2023/02/21
2023/02240	CURING REPAIR RESIN	2023/02/22
2023/02241	CURING REPAIR RESIN	2023/02/22
2023/02763	HYDROPHOBIC INTERACTION CHROMATOGRAPHY-COUPLED NATIVE MASS SPECTROMETRY FOR ANTIBODY ANALYSIS	2023/02/27
2023/02909	METHODS OF TREATING HIDRADENITIS SUPPURATIVA	2023/02/27
2023/03162	COMPOSITIONS SUITABLE FOR USE IN NEONATES	2023/02/28
2023/03223	LIQUID STORAGE TANK THAT IS REVERSIBLY RIDIDLY ATTACHABLE TO THE LIFT ARMS OF A SKID STEER OR TRACK LOADER	2023/03/01
2023/03233	METHOD AND APPARATUS FOR PERFORMING MEASUREMENT ASSOCIATED TO RESOURCE	2023/03/01
2023/03348	PROCESS FOR RECOVERING AND REGENERATING A CATALYST FROM ASH	2023/03/06
2023/03360	PREDICTIVE SYSTEMS AND METHODS FOR PROACTIVE INTERVENTION IN CHEMICAL PROCESSES	2023/03/06
2023/03389	PREPARATION OF SUBSTITUTED ACRYLATE COMPOUND	2023/03/07
2023/03488	PROCESSING OF TORREFACTION GAS	2023/03/10
2023/03536	A HARD SURFACE CLEANING COMPOSITION	2023/03/13
2023/03597	GENERATION OF A HIGH PRODUCING RECOMBINANT CHINESE HAMSTER OVARY CELL LINE FOR THERAPEUTIC PROTEIN PRODUCTION	2023/03/15
2023/03640	THERMAL INSULATION	2023/03/16

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2023/03644	TRUE HUMAN ANTIBODY SPECIFIC FOR INTERLEUKIN 1 ALPHA (IL-1ALPHA)	2023/03/16
2023/03752	METHOD FOR SHUTTING DOWN A FISCHER-TROPSCH REACTOR	2023/03/22
2023/03856	AUDIO SAMPLING CLOCK SYNCHRONIZATION	2023/03/27
2023/03941	SYSTEM AND METHOD FOR MULTI-CHANNEL DETECTION AND MONITORING OF INTRACRANIAL PRESSURE, AND MULTI-CHANNEL DEVICE	2023/03/29
2023/04002	AEROSOL-GENERATING DEVICE OPERABLE IN AN AEROSOL-RELEASING MODE AND IN A PAUSE MODE	2023/03/30
2023/04038	INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY	2023/03/31
2023/04104	LEGHEMOGLOBIN IN SOYBEAN	2023/04/03
2023/04105	FOOD COMPOSITIONS INCORPORATING AGRICULTURAL MARC, AND METHODS OF PRODUCING THEREOF	2023/04/03
2023/04134	A MAGL INHIBITOR	2023/04/04
2023/04138	LIQUID AQUEOUS CLEANING COMPOSITION	2023/04/04
2023/04139	SOAP COMPOSITION COMPRISING HYDROGEL	2023/04/04
2023/04161	PHOTOCHEMICAL METHOD AND DEVICE FOR VOLATILE ORGANIC COMPOUND POLLUTION CONTROL	2023/04/05
2023/04168	ELECTRONIC DEVICE SUPPORTING MULTIPLE SIMS AND OPERATION METHOD THEREFOR	2023/04/05
2023/04175	GAS SPRING AND RELATIVE SAFETY SYSTEM	2023/04/05
2023/04207	LAYERED CODING FOR COMPRESSED SOUND OR SOUND FIELD REPRESENTATIONS	2023/04/06
2023/04214	WIND POWER GENERATOR SET AND POWER CONTROL METHOD AND DEVICE THEREFOR	2023/04/06
2023/04229	APPARATUS FOR FILLING AND SEALING BAGS INTENDED FOR CONTAINING BANKNOTES	2023/04/06
2023/04231	RECOMBINANT MICROORGANISMS AND USES THEREFOR	2023/04/06
2023/04292	AQUEOUS CLEANING COMPOSITION COMPRISING NON-IONIC SURFACTANT, QUATERNARY	2023/04/11

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	AMMONIUM COMPOUND, AND SEQUESTRANT	
2023/04294	METHOD AND SYSTEM FOR DETECTING A STATE OF A JOINT OF A DRILL STRING	2023/04/11
2023/04376	COMPOSITIONS AND METHODS OF MANUFACTURING PROTEIN MICROPARTICLES	2023/04/13
2023/04383	NUCLEIC ACID ENCODING AN ANTI-VEGF ENTITY AND A NEGATIVE COMPLEMENT REGULATOR AND USES THEREOF FOR THE TREATMENT OF AGE-RELATED MACULAR DEGENERATION	2023/04/13
2023/04402	MITOCHONDRIAL ATP INHIBITORS TARGETING THE GAMMA SUBUNIT PREVENT METASTASIS	2023/04/13
2023/04409	PYRIDIN-2(1H)-ONE QUINOLINONE DERIVATIVES AS MUTANT-ISOCITRATE DEHYDROGENASE INHIBITORS	2023/04/14
2023/04419	ELECTROLYSER FOR ELECTROCHLORINATION PROCESSES AND A SELF-CLEANING ELECTROCHLORINATION SYSTEM	2023/04/14
2023/04460	TOPICAL ANTIVIRAL COMPOSITIONS COMPRISING HYALURONIC ACID AND CARRAGEENAN	2023/04/17
2023/04462	HERBICIDAL COMPOSITION AND APPLICATION THEREOF	2023/04/17
2023/04463	METHODS FOR DELIVERING MEDIUM CHAIN TRIGLYCERIDES WITH CONTROLLED PHARMACOKINETIC, SAFETY AND TOLERABILITY PROFILES	2023/04/17
2023/04464	ANTIBODY DRUG CONJUGATES	2023/04/17
2023/04485	BISPECIFIC ANTIBODY AGAINST ALPHA-SYN/IGF1R AND USE THEREOF	2023/04/18
2023/04501	MEDICAL INJECTION DEVICE WITH GAS EVACUATION	2023/04/18
2023/04504	ARRANGEMENT, SYSTEM AND METHOD FOR PRODUCING HOT WATER FROM SOLAR ENERGY	2023/04/18
2023/04542	BEVERAGE PREPARATION MACHINE HAVING A SILICONE DRIP GRID	2023/04/19
2023/04543	FREQUENCY MODULATION CONTROL METHOD AND DEVICE FOR WIND FARM	2023/04/19

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2023/04544	METHOD, DEVICE, AND SYSTEM FOR CELL MEASUREMENT AND REPORT IN WIRELESS NETWORKS	2023/04/19
2023/04545	AGRICULTURAL COMPOSITION OF INDOLEACETIC ACID WITH ENHANCED PHOTOSTABILITY, PRODUCTION METHOD, AND USE THEREOF	2023/04/19
2023/04546	BLOCKING AND AUTOCLOSING ARRANGEMENT	2023/04/19
2023/04551	SYSTEM AND METHOD FOR MONITORING MACHINE OPERATIONS AT A WORKSITE	2023/04/19
2023/04592	PNA PROBES FOR PRETARGETED IMAGING AND THERAPY	2023/04/20
2023/04595	MONITORING SYSTEM FOR PUMP WITH MECHANICAL SEAL LUBRICATION ARRANGEMENT	2023/04/20
2023/04645	PROTECTIVE PACKAGING FOR SUITCASES	2023/04/21
2023/04695	WEARABLE GAMING DEVICE AND METHOD THEREOF	2023/04/24
2023/04721	FILTRATION DEVICE HAVING A LATCH MECHANISM ADAPTER	2023/04/24
2023/04731	A DRIVE DEVICE FOR ROTATABLE OPERATION OF A DRILL BIT OF A DOWN-THE-HOLE HAMMER	2023/04/24
2023/04735	SHEWANELLA ONEIDENSIS-DERIVED PROTEIN EXPRESSING MICROORGANISM AND L-AMINO ACID PRODUCING METHOD USING SAME	2023/04/24
2023/04750	SYSTEM AND METHOD FOR TREATING INDIVIDUAL SEEDS WITH LIQUID CHEMICALS DURING THE PLANTING PROCESS	2023/04/25
2023/04795	MINIMAL SAPONIN ANALOGUES, SYNTHESIS AND USE THEREOF	2023/04/26
2023/04796	CARTON BLANK ERECTOR AND FEEDING AND SHUTTLE MACHINE	2023/04/26
2023/04810	DEVICE FOR CONDUCTING A CHEMICAL REACTION IN A PROCESS FLUID IN A PRODUCTION FACILITY	2023/04/26
2023/04812	PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING VIRAL PERIVAGINAL DISEASE	2023/04/26
2023/04813	RECOMBINANT YEAST FOR THE PRODUCTION OF OLIGOPEPTIDE	2023/04/26
2023/04815	ULTRASONIC SCALPEL HANDLE, ULTRASONIC SCALPEL AND ULTRASONIC SCALPEL SYSTEM	2023/04/26

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2023/04817	DEVICE AND METHOD FOR ALIGNING MAGNETIC OR MAGNETIZABLE PARTICLES, AND MACHINE FOR GENERATING OPTICALLY VARIABLE IMAGE ELEMENTS	2023/04/26
2023/04819	A HARD SURFACE CLEANING COMPOSITION	2023/04/26
2023/04820	SKIN CLEANSING COMPOSITION	2023/04/26
2023/04821	AQUEOUS ALKALINE ABRASIVE CLEANING COMPOSITION	2023/04/26
2023/04862	HERBICIDAL COMPOSITION AND APPLICATION THEREOF	2023/04/28
2023/04863	HERBICIDAL COMPOSITION COMPRISING BENTAZONE AND APPLICATION THEREOF	2023/04/28
2023/04892	METHOD FOR GENERATING A PALM IMAGE BASED ON PARTIAL IMAGES OF A PALM	2023/05/02
2023/05002	AEROSOL-GENERATING ARTICLE WITH TUBULAR ELEMENT HAVING AN OPENING	2023/05/05
2023/05003	AEROSOL-GENERATING ARTICLE WITH LOW DENSITY SUBSTRATE	2023/05/05
2023/05122	PROPHYLAXIS AND TREATMENT OF ANGIOEDEMA	2023/05/09
2023/05159	BURNER DEVICE FOR A FUEL CELL SYSTEM	2023/05/10
2023/05165	RADIOTHERAPY TEMPLATE ASSEMBLY	2023/05/10
2023/05307	METHOD AND APPARATUS FOR TESTING A TUNNEL FIRE SUPPRESSION SYSTEM	2023/05/15
2023/05484	INSTRUMENT FOR MEASURING THE FORCE FOR SPREADING A PASTE	2023/05/19
2023/05641	DATA DRIVEN INSURANCE SYSTEM	2023/05/25
2023/05842	APPARATUS FOR PRODUCTION AND INTERMEDIATE STORAGE OF BIOGAS	2023/05/31
2023/05899	AGE-TAILORED NUTRITIONAL COMPOSITION FOR A DOG	2023/06/02
2023/06011	SYSTEMS AND METHODS FOR USING BACKSCATTER IMAGING IN PRECISION AGRICULTURE	2023/06/06
2023/06149	SYSTEM AND METHOD OF TREATING BRINES	2023/06/09
2023/06814	EXTRUSION BLOW-MOLDED CONTAINER	2023/07/04
2023/06845	METHOD OF MANUFACTURING STEEL	2023/07/05

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2023/06846	A METHOD OF MANUFACTURING OF A STEEL PRODUCT IN SEVERAL STEELMAKING UNITS	2023/07/05
2023/06870	MANUFACTURING METHOD OF A STEEL PRODUCT	2023/07/06
2023/06904	METHOD FOR PRODUCING AN RPET PLASTIC MATERIAL FOR USE IN A THIN WALL INJECTION MOLDING PROCESS AND HOLLOW BODY PRODUCED IN THE THIN WALL INJECTION MOLDING PROCESS	2023/07/07
2023/07150	CROSS-FLOW SHREDDER FOR COMMUNUTING MATERIAL	2023/07/17
2023/07163	RAW MEAL DELIVERY DEVICE	2023/07/17
2023/07330	SEX TOY IN THE FORM OF A VIBRATOR FOR EROGENOUS STIMULATION, METHOD AND USE	2023/07/24
2023/07526	HUNTING TARGET	2023/07/28
2023/08002	PYRIMIDOPYRAN COMPOUND	2023/08/17
2023/08185	2-STEP IRON CONVERSION SYSTEM	2023/08/24
2023/08404	COFFIN TRANSPORT APPARATUS WITH REUSABLE HANDLES	2023/08/31
2023/08920	A METHOD AND SYSTEM FOR SCHEDULING A HEALTHCARE APPOINTMENT	2023/09/19
2023/09109	METHOD FOR DRY-FORMING CELLULOSE PRODUCTS FROM A CELLULOSE BLANK STRUCTURE IN A PRODUCT FORMING UNIT AND A PRODUCT FORMING UNIT	2023/09/27
2023/09167	JOINT REPLACEMENT ALIGNMENT GUIDES, SYSTEMS AND METHODS OF USE AND ASSEMBLY	2023/09/29
2023/09210	SPILL-PREVENTABLE CONTAINER WITH FASTENING MEANS	2023/10/02
2023/09217	BIPOLAR PLATE FOR A FUEL CELL STACK OR AN ELECTROLYZER STACK	2023/10/02
2023/09754	A DETACHABLE SMART CONTAINER	2023/10/19
2023/09762	DEVICE FOR LIQUEFYING GASEOUS DIHYDROGEN FOR OFFSHORE OR ONSHORE STRUCTURE	2023/10/19
2023/10070	MULTIFUNCTIONAL BISPECIFIC FUSION POLYPEPTIDE	2023/10/27
2023/10142	STRETCHABLE PERMEABLE BARRIER SYSTEM	2023/10/31
2023/10148	INTEGRATED SELF-LOCKING TROLLEY SYSTEM	2023/10/31

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2023/10279	MULTI-MODE CONVERTIBLE VEHICLE	2023/11/03
2023/10285	METHODS AND COMPOSITIONS FOR THE SEQUESTRATION OF CARBON DIOXIDE	2023/11/03
2023/10336	SYSTEM AND METHOD TO PRODUCE LIQUEFIED NATURAL GAS USING TWO DISTINCT REFRIGERATION CYCLES WITH AN INTEGRAL GEAR MACHINE	2023/11/06
2023/10371	DEVICE FOR CONTROLLED PRODUCTION OF A GAS FROM TWO FLUID REAGENTS DEPOSITED ON A SURFACE	2023/11/07
2023/10394	ELECTRONIC PAYMENT SYSTEM AND RELATED METHOD	2023/11/08
2023/10447	SYSTEM AND METHOD TO PRODUCE LIQUEFIED NATURAL GAS USING TWO DISTINCT REFRIGERATION CYCLES WITH AN INTEGRAL GEAR MACHINE	2023/11/09
2023/10448	SYSTEM AND METHOD TO PRODUCE LIQUEFIED NATURAL GAS USING TWO DISTINCT REFRIGERATION CYCLES WITH AN INTEGRAL GEAR MACHINE	2023/11/09
2023/10490	METHOD FOR RECYCLING ORE ENRICHMENT WASTE	2023/11/10
2023/10679	PROCESS FOR PREPARING CARBODIIMIDES	2023/11/17
2023/10682	NICOTINAMIDE RIPK1 INHIBITORS	2023/11/17
2023/10684	METHOD FOR DETECTING OPTICAL DEFECTS WITHIN WINDSHIELD	2023/11/17
2023/10720	JIB CRANE FOR A WIND TURBINE, JIB CRANE KIT, TRANSPORT SYSTEM AND MAINTENANCE SYSTEM, AS WELL AS METHODS	2023/11/20
2023/10761	MODULAR THERMAL AND RADIATION SHIELDING WITH PASSIVE HEAT REMOVAL	2023/11/21
2023/10869	METHOD AND PLANT FOR PRODUCING AMMONIA	2023/11/24
2023/10996	DRAIN PLUG	2023/11/29
2023/11009	SEESAW-TYPE HYDROELECTRIC POWER GENERATION DEVICE	2023/11/29
2023/11013	ANTENNA INSTALLATION DEVICE AND ANTENNA	2023/11/28
2023/11014	COMPOSITE SEISMIC ISOLATION AND ABSORPTION SYSTEM FOR NUCLEAR ISLAND STRUCTURE	2023/11/28
2023/11016	USE OF FERMENTED MOLASSES AS AN EMULSIFIER	2023/11/28

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2023/11032	INTEGRATED DRILLING INJECTION AND EXTRACTION DEVICE AND METHOD	2023/11/29
2023/11122	MANAGEMENT SYSTEM FOR ANTI-COUNTERFEITING AND TRACEABILITY OF PUBLICATIONS AND METHOD OF USE THEREOF	2023/12/01
2023/11147	BREAKABLE LOCKING CAP FOR A CONTAINER COMPRISING A NECK	2023/12/04
2023/11157	CYCLIC AMIDE-CONTAINING PYRIDYL XANTHINES AS A 2B ANTAGONISTS	2023/12/04
2023/11158	TUBE CUTTER FOR CUTTING A ROUND TUBE AND METHOD FOR CUTTING A ROUND TUBE TO LENGTH	2023/12/04
2023/11212	PACKAGING UNIT FROM A MOULDED PULP MATERIAL WITH A SELF-ALIGNING ELEMENT AND METHOD FOR MANUFACTURING SUCH PACKAGING UNIT	2023/12/05
2023/11227	BLOWER DEVICE	2023/12/06
2023/11231	72.5KV OFFSHORE WIND POWER-DEDICATED RING MAIN UNIT	2023/12/06
2023/11248	COMPOSITION COMPRISING N,N-DICARBOXYMETHYLGLUTAMIC ACID, AT LEAST ONE FATTY ALCOHOL, AT LEAST ONE FATTY ACID, AT LEAST ONE POLYOL, AT LEAST ONE ALKALINE AGENT AND OPTIONALLY AT LEAST ONE DYE	2023/12/06
2023/11251	ARTIFICIAL PENIS FOR FEMALE GENITAL ORGAN	2023/12/06
2023/11274	CONNECTOR SYSTEM	2023/12/07
2023/11279	RETRACTABLE APPARATUS	2023/12/07
2023/11333	DEVICE FOR PRODUCING EXPANDED GRANULATED MATERIAL	2023/12/08
2023/11368	SEQUENTIAL TREATMENT PROCESS FOR THE HEAP LEACHING OF PRIMARY AND SECONDARY COPPER SULPHIDES	2023/12/11
2023/11372	CONTAINER HAVING A RESEALABLE CAP	2023/12/11
2023/11377	HER2 MUTATION INHIBITORS	2023/12/11
2023/11381	PHARMACEUTICAL COMPOSITION FOR TREATING RHEUMATOID ARTHRITIS AND PREPARATION METHOD THEREFOR	2023/12/11
2023/11422	ANTIBODY CONJUGATE COMPRISING ANTI-P-CADHERIN ANTIBODY AND USES THEREOF	2023/12/12

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2023/11436	NEAT REACTION PRODUCT OF CALCIUM AND VOLATILE FATTY ACIDS AS NUTRITIONAL SUPPLEMENT FOR LIVESTOCK AND POULTRY	2023/12/12
2023/11463	PROCESSES FOR PRODUCING GRANULAR COPPER	2023/12/13
2023/11481	QUENCHING APPARATUS AND METHOD FOR BOTTLE-TYPE CONTAINER FOR THICK-WALL STATION	2023/12/13
2023/11482	DECODING METHOD AND APPARATUS, CODING METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM	2023/12/13
2023/11492	PROCESS FOR THE PRODUCTION OF KRAFT PULP FROM HARDWOOD AND SOFTWOOD MIXTURES, KRAFT PULP OBTAINED BY THE PROCESS AND PAPER PRODUCTS PRODUCED FROM THE PULP	2023/12/13
2023/11502	AN ESCALATOR BRAKE CHARACTERISTIC PARAMETER MEASUREMENT DEVICE AND METHOD	2023/12/14
2023/11514	CLEANING FUNCTIONALITY IN HANDHELD LASER SYSTEM	2023/12/14
2023/11515	MATERIAL PROCESSING FUNCTIONALITY IN HANDHELD LASER SYSTEM	2023/12/14
2023/11520	WALL PANEL FOR FORMING A WALL COVERING WITH MULTIPLE PANELS	2023/12/14
2023/11522	MULTI-PURPOSE TILE SYSTEM, TILE COVERING, AND TILE	2023/12/14
2023/11542	MODIFICATION OF OBJECTS IN FILM	2023/12/14
2023/11562	IMPROVEMENTS IN STONE CRUSHING EQUIPMENT	2023/12/18
2023/11630	Theft deterrent mixed metal SNE cable	2023/12/19
2023/11646	METHOD AND DEVICE FOR PREPARING ALL-VANADIUM REDOX FLOW BATTERY ELECTROLYTE	2023/12/19
2023/11671	APPARATUS FOR THE PRODUCTION OF FILAMENTS	2023/12/20
2023/11672	TUNNEL EXCAVATION STRUCTURE, TUNNEL EXCAVATION METHOD, AND TUNNEL CONSTRUCTION METHOD	2023/12/20

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2023/11673	PORTABLE CHARGER DEVICE FOR TELEHANDLER	2023/12/20
2023/11691	REINFORCED FLEXIBLE POLYMER MATERIAL STRIP, METHOD OF MANUFACTURING SAME AND THREE-DIMENSIONAL CELLULAR STRUCTURE MADE USING SAME	2023/12/20
2023/11694	SHOE PROTECTOR DEVICE AND APPLICATOR	2023/12/20
2023/11747	An armoured single core electrical cable	2023/12/21
2023/11748	TUBULAR FLUX-CORED ELECTRODE AND PREPARATION METHOD THEREFOR, AND USE THEREOF	2023/12/21
2023/11749	CEMENTING MATERIAL BASED ON CALCINED CLAY AND PREPARATION METHOD THEREFOR	2023/12/21
2023/11750	TELEHANDLER WITH AUTOMATIC RECOGNITION OF ENERGY SOURCES	2023/12/21
2023/11751	ENERGY MANAGEMENT SYSTEM IN AN ELECTRIC TELEHANDLER	2023/12/21
2023/11752	HARDFACING LAYER PREPARATION METHOD AND DEVICE	2023/12/21
2023/11789	TEMPERATURE COMPENSATION METHOD AND APPARATUS BASED ON DIRECT CURRENT CHARGING BASE	2023/12/21
2023/11790	C2 SERVER IDENTIFICATION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND READABLE STORAGE MEDIUM	2023/12/21
2023/11791	THREAT INTELLIGENCE SYSTEM AND THREAT INTELLIGENCE MODEL TRAINING METHOD	2023/12/21
2023/11800	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING COLD OF CHILDREN	2023/12/21
2024/00022	HYDRAULIC COLLAPSIBLE ROTARY STAND FOR WIRELINE CORING UNDERGROUND DRILL RIG	2024/01/02
2024/00051	METHOD, DEVICE AND ELECTRONIC DEVICE FOR DETERMINING FAULTS OF ROTATING MACHINERY	2024/01/02
2024/00056	WEIGHT MEASURING APPARATUS	2024/01/02
2024/00065	WINDSHIELD WASHER RESERVOIR	2024/01/02
2024/00093	FRUIT SORTING APPARATUS AND METHOD	2024/01/02

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2024/00097	METHOD FOR INDUCING FRUITING OF MALE FLOWERS OF DELICIOUS KIWI FRUITS	2024/01/02
2024/00104	METHOD FOR EVALUATING WATER RICHNESS OF BOTTOM AQUIFER OF CENOZOIC LOOSE LAYER OF COAL MINE	2024/01/02
2024/00108	A GROUP OF B7H3 MONOCLONAL ANTIBODIES AND MEDICAL USE THEREOF	2024/01/02
2024/00113	ADJUVANTED INACTIVATED RECOMBINANT RABIES VIRUS VECTORED CORONAVIRUS VACCINE FORMULATIONS	2024/01/02
2024/00149	RNA ADSORBED ONTO LIPID NANO-EMULSION PARTICLES AND ITS FORMULATIONS.	2024/01/03
2024/00185	IV BAG INSPECTION APPARATUS AND METHOD	2024/01/04
2024/00207	NO-CODE PLATFORM FOR GENERATING REPORTS AS A TRANSACTION	2024/01/05
2024/00235	ALCANIVORAX DIESELOLEI, APPLICATION OF ALCANIVORAX DIESELOLEI, METHOD FOR CULTURING ALCANIVORAX DIESELOLEI, AND METHOD FOR DEGRADING PLASTICS	2024/01/08
2024/00325	SYSTEM, METHOD AND APPARATUS FOR PROVIDING A GEARBOX EXPANSION CAP AND VALVE ASSEMBLY	2024/01/09
2024/00382	A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING LUMBAR DISC HERNIATION	2024/01/11
2024/00393	A PRECISION PLANTER WITH AIR-SUCTION VIBRATING DISC FOR FIELD SEEDLING CULTIVATION	2024/01/11
2024/00431	FILM COLLECTING BIN AND SMALL-PLOT-ADAPTED LIGHTWEIGHT RESIDUAL FILM RECYCLING MACHINE	2024/01/12
2024/00432	INTEGRATED AI MANAGEMENT SYSTEM FOR EDUCATION AND TRAINING BASED ON CLASS HOUR ALLOCATION	2024/01/12
2024/00438	A NEW CSIPS-STEEL COMBINED STRUCTURE VIBRATION ISOLATION DEVICE	2024/01/12
2024/00446	ADAPTER CONTROL APPARATUS AND METHOD, ADAPTER, AND CHARGING SYSTEM	2024/01/12

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2024/00488	DETECTION SYSTEM AND METHOD, COMPUTER DEVICE, AND COMPUTER READABLE STORAGE MEDIUM	2024/01/15
2024/00556	BERBERINE-COUPLED CISPLATIN DERIVATIVE AND PREPARATION METHOD AND APPLICATION THEREOF	2024/01/17
2024/00557	METHOD FOR PREPARING ALUMINIZED MAGNESIUM ALLOY BY ELECTRODEPOSITION IN IONIC LIQUID	2024/01/17
2024/00558	WATER TURBINE CAVITATION MONITORING SYSTEM	2024/01/17
2024/00559	A PREPARATION METHOD OF BROUSSONETIA POPYRIFERA SILAGE SHEEP FEED	2024/01/17
2024/00560	A LIQUID-WASHING AIR PURIFYING AND DISINFECTING DEVICE	2024/01/17
2024/00561	METHOD FOR RAPIDLY AND PRECISELY MEASURING POD SHATTER RESISTANCE OF RAPESEED POD	2024/01/17
2024/00565	PVA-BASED QUASI-SOLID ELECTROLYTE AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF	2024/01/17
2024/00566	QUASI-SOLID ELECTROLYTE BASED ON IONIC LIQUID AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF	2024/01/17
2024/00572	ACUPUNCTURE POSITIONER	2024/01/17
2024/00604	MULTI-FUNCTIONAL ROBOTIC SYSTEM FOR CONTROLLING FIRE EXTINCTION AT INDUSTRIAL SITES	2024/01/17
2024/00605	METHOD FOR MEASURING BENDING OF AN EXTENDED VERTICALLY DIRECTED CHANNEL	2024/01/17
2024/00610	FILTER DEVICE FOR PREVENTING BLOCKAGE OF GROUTING PUMP FOR SLURRY PREPARATION POOL	2024/01/18
2024/00617	PREPARATION OF GLUE FOR PRODUCING ALL BAMBOO PARTICLEBOARD	2024/01/18
2024/00626	AUTOMATIC WELDING MACHINE FOR LONGITUDINAL FINNING OF PIPES	2024/01/18
2024/00642	HEAT-TRANSFER MODULE	2024/01/18
2024/00643	TENSIONING DEVICE FOR WINDING METAL PIPES INTO A COIL	2024/01/18
2024/00644	METHOD OF PRODUCING CARBON-GRAPHITE PRODUCTS	2024/01/18

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2024/00665	ANTI-DEPRESSION PHARMACEUTICAL COMPOSITION AND APPLICATION THEREOF	2024/01/19
2024/00666	ONLINE TRANSLATION METHOD AND SYSTEM BASED ON ARTIFICIAL INTELLIGENCE	2024/01/19
2024/00668	LIVER FIBROSIS CELL MODEL AND CONSTRUCTION METHOD AND APPLICATION THEREOF	2024/01/19
2024/00669	AN ENVIRONMENTALLY FRIENDLY HYDRAULIC DAM DEVICE	2024/01/19
2024/00670	FLOW GUIDE STRUCTURE	2024/01/19
2024/00672	A METHOD AND APPLICATION OF IN-SITU PREPARATION OF TIC-LOADED PT3TI INTERMETALLIC COMPOUNDS IN A LIQUID PHASE	2024/01/19
2024/00673	A WATERPROOF AND HEAT-RESISTANT TILE ADHESIVE	2024/01/19
2024/00674	A PORTABLE BLOOD GLUCOSE DETECTOR FOR ENDOCRINOLOGY DEPARTMENT	2024/01/19
2024/00702	ELECTROLYTE SOLUTIONS AND ALL-VANADIUM REDOX FLOW BATTERIES	2024/01/19
2024/00703	HIGH-TEMPERATURE DENSE COMPOSITE NUCLEAR FUEL MATERIAL AND METHOD OF ITS PRODUCTION	2024/01/19
2024/00704	DEVICE FOR MEASURING BENDING OF AN EXTENDED VERTICALLY DIRECTED CHANNEL	2024/01/19
2024/00705	METHOD OF MEASURING BENDING OF A NUCLEAR REACTOR FUEL CHANNEL	2024/01/19
2024/00717	SUSTAINED-RELEASE MICROCAPSULE OF PINE NEEDLE VOLATILE OIL AND PREPARATION METHOD THEREOF	2024/01/22
2024/00718	APPLICATION OF CAMPHOR TREE EXTRACT TO INHIBITION OF ACTIVITY OF XANTHINE OXIDASE AND TYROSINASE	2024/01/22
2024/00719	APPLICATION OF CAMPHOR TREE EXTRACT IN INHIBITION OF ACTIVITY OF GLYCOSIDE HYDROLASE	2024/01/22
2024/00720	A MULTI-PURPOSE E-COMMERCE LOGISTICS RECYCLABLE PACKING BOX	2024/01/22
2024/00721	A SCENIC SPOT GUIDING PLATE CONVENIENT FOR ASSEMBLY AND DISASSEMBLY	2024/01/22

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2024/00722	A DIGITAL WORKSHOP MANAGEMENT AND MONITORING DEVICE AND SYSTEM FOR GARMENT PROCESSING	2024/01/22
2024/00723	A DIGITAL CONTROLLED CUTTING EQUIPMENT FOR GARMENT PROCESSING	2024/01/22
2024/00724	BACKGROUND WALL DECORATIVE WINDOW	2024/01/22
2024/00725	A RAPID SAMPLING STRUCTURE FOR FAST FOOD TESTING	2024/01/22
2024/00726	PIG DISEASE PREDICTION SYSTEM ASSISTED BY MACHINE VISION TECHNOLOGY	2024/01/22
2024/00727	METHOD FOR PREDICTING THE ASSOCIATION BETWEEN CIRC RNA AND MIRNA, DEVICE AND MEDIUM	2024/01/22
2024/00729	A METHOD FOR PREPARING BLACK GINSENG WITH INCREASED GINSENOSE CONTENT	2024/01/22
2024/00730	OCEAN MICROPLASTICS COLLECTOR	2024/01/22
2024/00731	CONTINUOUS PREPARATION DEVICE FOR POLYANILINE AND POLYPYRROLE COMPOSITE NANOFIBER AND METHOD FOR PREPARING POLYANILINE AND POLYPYRROLE COMPOSITE NANOFIBER	2024/01/22
2024/00732	DEVICE AND METHOD FOR PREPARING POLYANILINE AND POLYACRYLONITRILE COMPOSITE NANOFIBER	2024/01/22
2024/00733	METHOD FOR PREDICTING ELECTRICAL LIFE OF ALTERNATING CURRENT CONTACTOR ON BASIS OF LONG SHORT-TERM MEMORY NEURAL NETWORK	2024/01/22
2024/00734	A BROADBAND SWITCHABLE TERAHERTZ ABSORBER BASED ON GRAPHENE AND VANADIUM DIOXIDE COMPOSITE SUPER SURFACE	2024/01/22
2024/00735	CELL COUNTING AND FLUORESCENCE-ACTIVATED CELL SORTER DEVICE	2024/01/22
2024/00736	INSTALLATION STRUCTURE SUITABLE FOR STANDING SEAM METAL ROOF AND INSTALLATION METHOD THEREOF	2024/01/22
2024/00737	COUPLING HAVING SEAL WITH RETRACTING CENTER LEG	2024/01/22

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2024/00738	AIML SMART VERTIPOINT IN A BOX AUTONOMOUS MULTIMODAL PHYSICAL AND DIGITAL INFRASTRUCTURE	2024/01/22
2024/00740	A CALIFORNIA PERCH BREEDING DEVICE AND A BREEDING METHOD	2024/01/22
2024/00741	A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING INFERTILITY AND ITS PREPARATION METHOD AND APPLICATION	2024/01/22
2024/00771	DESIGN METHOD FOR ENHANCING THE INTERFACIAL SHEAR AND INTER-LAYER LOAD TRANSFER CAPACITY OF DOUBLE-LAYER GO- CSH	2024/01/23
2024/00772	CONSTRUCTION WASTE TREATMENT EQUIPMENT	2024/01/23
2024/00773	A PROTECTIVE BOARD FOR CONSTRUCTION ENGINEERING	2024/01/23
2024/00774	A HIGHLY STABLE TEMPORARY CONSTRUCTION JUMP FRAME	2024/01/23
2024/00775	MYCORRHIZA-PLANT COMMUNITY CONFIGURATION METHOD FOR REMOVING HEAVY METALS IN SOIL IN SITU	2024/01/23
2024/00776	EFFICIENT FUSION PROCESSING SYSTEM AND METHOD FOR MULTI- SOURCE PAYLOAD DATA ON SATELLITE	2024/01/23
2024/00777	HIGH-PRESSURE ABRASIVE WATER JET CUTTING DEVICE IN NON-SUBMERGED STATE	2024/01/23
2024/00780	SLEEP EVALUATION METHOD, SLEEP EVALUATION APPARATUS, TERMINAL DEVICE AND STORAGE MEDIUM	2024/01/23
2024/00781	OPTIMIZATION METHOD, SYSTEM AND ELECTRONIC EQUIPMENT FOR VIRTUAL ENERGY STORAGE OF AIR CONDITIONING LOAD	2024/01/23
2024/00807	ICE AND SNOW MATERIAL WITH EXCELLENT BIOCOMPATIBILITY AND HIGH MECHANICAL BEARING CHARACTERISTICS	2024/01/24
2024/00808	ARTIFICIAL NUTRITIOUS RICE CONTAINING TRADITIONAL CHINESE MEDICINE COMPONENTS AND PREPARATION METHOD THEREOF	2024/01/24
2024/00809	GREEN PEEL REMOVAL DEVICE FOR WALNUT PROCESSING	2024/01/24

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2024/00812	PESTICIDE SPRAYING MACHINE FOR RICE PLANTING	2024/01/24
2024/00841	COMB-TOOTHED TYPE PEPPER HARVESTING DEVICE	2024/01/25
2024/00843	CATALYST FOR DEGRADING ORGANIC POLLUTANTS IN WASTEWATER AND PREPARATION METHOD THEREOF	2024/01/25
2024/00844	A PROCESSING METHOD FOR BEEF JERKY	2024/01/25
2024/00845	APPLICATION OF TRIBUTYRIN IN CULTIVATION OF TAIHE BLACK-BONE SILKY FOWLS	2024/01/25
2024/00846	A METHOD FOR PREPARING A MO-MOF-DERIVED MOS ₂ ROD-LIKE STRUCTURE COMPOSITE B-DOPED G-C ₃ N ₄ THIN FILM PHOTOCATALYST	2024/01/25
2024/00848	A DYNAMIC CONCENTRATION DETECTION DEVICE AND METHOD FOR COAL SLURRY	2024/01/25
2024/00849	A TUNNEL DEFORMATION DETECTION AND EARLY WARNING DEVICE FOR TUNNEL PROTECTION	2024/01/25
2024/00850	A SEED DRILL WITH SYNCHRONOUS SOIL COVERING FUNCTION	2024/01/25
2024/00880	CATALYST FOR DEGRADING ANTIBIOTIC WASTEWATER AND PREPARATION METHOD THEREOF	2024/01/26
2024/00881	CLINICAL CARDIOPULMONARY AND CEREBRAL RESUSCITATION RESCUE DEVICE FOR EMERGENCY INTERNAL MEDICINE	2024/01/26
2024/00882	A TUBULAR MODIFIED KAOLIN GRAFTED CHITOSAN COMPOSITE MATERIAL ADSORBENT, ITS PREPARATION METHOD, AND APPLICATION.	2024/01/26
2024/00884	CALCULATION METHOD AND RESET METHOD OF OFFSET OF BELT CONVEYOR RIGID CONNECTORS	2024/01/26
2024/00885	CATALYST FOR DEGRADING DYE WASTEWATER AND PREPARATION METHOD THEREOF	2024/01/26
2024/00886	INTEGRATED SAND AND GRAVEL SORTING AND CLEANING DEVICE	2024/01/26
2024/00891	SPRING-TOOTH TYPE RESIDUAL FILM PICKUP RECYCLING MACHINE	2024/01/26
2024/00892	PREFABRICATED EARTHQUAKE-RESISTANT STRUCTURE FOR CIVIL	2024/01/26

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	ENGINEERING AND EARTHQUAKE-RESISTANT METHOD THEREOF	
2024/00896	METHOD FOR CONTROLLING EXOTIC WEEDS BY ALTERNARIA ALTERNATA	2024/01/26
2024/00897	DESCRIPTION TEXT GENERATION METHOD FOR VIDEO SCENES OF RURAL CULTURAL TOURISM	2024/01/26
2024/00904	METHOD FOR IDENTIFYING KEY FACTORS OF FOREST BIOMASS ESTIMATION BASED ON MULTI-MODAL DATA FUSION	2024/01/26
2024/00934	METHOD FOR EXTRACTING LITHIUM ELEMENT FROM WASTE LITHIUM-ION BATTERIES	2024/01/29
2024/00936	COMPOSITE SULFUR-BASED REDUCING AGENT AND APPLICATION THEREOF IN PREPARING REGENERATED TERNARY LITHIUM BATTERY CATHODE MATERIAL	2024/01/29
2024/00937	RESOURCEFUL TREATMENT METHOD OF WASTE LITHIUM ION BATTERY CATHODE MATERIALS	2024/01/29
2024/00938	DEEP LEARNING METHOD FOR FREQUENCY-BASED SYNTHETIC CT IMAGES FROM MRI	2024/01/29
2024/00939	LEGAL CONSULTATION SERVICE SYSTEM FOR URBAN AND RURAL CONSTRUCTION	2024/01/29
2024/00940	A MULTI-POINT CLAMPING STRUCTURAL PART FOR INDUSTRIAL DESIGN	2024/01/29
2024/00942	A PRODUCT COLOR SPRAYING DEVICE FOR INDUSTRIAL DESIGN	2024/01/29
2024/00943	A CROP YIELD ESTIMATION METHOD BASED ON REMOTE SENSING IMAGE AND METEOROLOGICAL DATA	2024/01/29
2024/00944	CALCULATION METHOD AND SYSTEM FOR INHERENT DEFORMATION OF WELDED JOINTS	2024/01/29
2024/00945	SYSTEM FOR MANAGING HEALTH DATA BY USING HYBRID CLOUD	2024/01/29
2024/00946	GPU CARD HEALTH MANAGEMENT METHOD FOR DISTRIBUTED MULTI-GPU SERVER SYSTEM	2024/01/29
2024/00947	METHOD FOR MANAGING HEALTH DATA USING TERAHERTZ TECHNOLOGY	2024/01/29

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2024/00948	HEALTH DATA MANAGEMENT METHOD AND SYSTEM BASED ON SILICON PHOTONICS TECHNOLOGY	2024/01/29
2024/00949	A DETECTION METHOD FOR EXOSOMES CONTAINING PTK-7	2024/01/29
2024/00957	METHODS AND SYSTEMS FOR LIQUEFACTION OF CARBONACEOUS MATERIALS	2024/01/29
2024/00974	SILICON-MANGANESE SLAG-BASED LOW-CARBON CEMENTITIOUS MATERIAL FOR RECYCLING INDUSTRIAL SOLID WASTES AND PREPARATION METHOD THEREOF	2024/01/30
2024/00975	LOW-CARBON CEMENTITIOUS MATERIAL, PREPARATION METHOD AND APPLICATION THEREOF	2024/01/30
2024/00976	AUTOMATIC RECOVERY AND TREATMENT DEVICE FOR WASTE LITHIUM ION BATTERY CATHODE PIECES	2024/01/30
2024/00979	COMBINATION FOR CONTROLLING SOUTHERN ROOT-KNOT NEMATODES AND APPLICATION THEREOF	2024/01/30
2024/00980	VISUAL COMMUNICATION DISPLAY DEVICE	2024/01/30
2024/00981	CATALYST FOR DEGRADING ORGANIC WASTEWATER AND PREPARATION METHOD THEREOF	2024/01/30
2024/00982	BELT CONVEYOR FOR DISMOUNTING AND MOUNTING SINGLE SUPPORT FRAME WITHOUT STOPPING	2024/01/30
2024/00984	CEMENT CLINKER PREPARED BY MICROWAVE ON LARGE SCALE AND PREPARATION METHOD THEREOF	2024/01/30
2024/01006	METHOD FOR PREPARING ANTIBACTERIAL SUBSTANCE OF BULLACTA EXARATA, AND APPLICATION	2024/01/31
2024/01007	BATTERY THERMAL MANAGEMENT SYSTEM FOR ELECTRIC AUTOMOBILE AIR CONDITIONER	2024/01/31
2024/01008	METHOD FOR HEALTH DATA MANAGEMENT BASED ON HANDOVER ACCESS THROUGH RANDOM ACCESS CHANNEL	2024/01/31
2024/01009	A METHOD FOR SIMULTANEOUSLY MEASURING THE CONTENT OF FIVE NEUROTRANSMITTERS	2024/01/31

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2024/01010	FRUIT PICKLING METHOD AND ITS APPLICATION IN KATY APRICOT	2024/01/31
2024/01011	MAGNETIC CARBON NANOCOMPOSITE AND PREPARATION METHOD THEREOF	2024/01/31
2024/01013	SPECIFIC WAVELENGTH LIGHT CONTROL DEVICE FOR IMPROVING ESTRUS OF DAIRY SHEEP AND CONTROL METHOD THEREOF	2024/01/31
2024/01014	PNEUMATIC FILM IMPURITY SEPARATION AND RESIDUAL FILM RECYCLING MACHINE	2024/01/31
2024/01015	ABDOMINAL CAVITY DRAINAGE BOTTLE FOR DIGESTIVE TUMOR INTERNAL MEDICINE	2024/01/31
2024/01016	STABILITY MONITORING SYSTEM FOR FRACTURED ROCK SLOPE	2024/01/31
2024/01017	INTELLIGENT INTERACTIVE ANSWER SYSTEM FOR ENGINEERING LEGAL PROBLEMS	2024/01/31
2024/01018	A FABRIC-BASED WEARABLE SENSOR AND ITS PREPARATION METHOD	2024/01/31
2024/01033	APPLICATION OF MLPH GENE IN PREPARING DRUGS FOR TREATING PNEUMOCONIOSIS	2024/01/31
2024/01059	A SYSTEM OF AUTOMATIC ELECTROMAGNETIC CLUTCH USING ULTRASONIC SENSOR	2024/02/01
2024/01060	METHOD FOR PREPARING HEAT-RESISTANT AND OXIDANT-RESISTANT PLANT FIBER REINFORCED POLYPROPYLENE COMPOSITE MATERIAL AND APPLICATION THEREOF IN HAIRBRUSH	2024/02/01
2024/01061	COMPOSITE BIONIC GHOST IMAGING METHOD AND SYSTEM	2024/02/01
2024/01062	IN-SITU LARGE-SCALE SHEAR TEST DEVICE AND METHOD FOR SHALLOW LANDSLIDES ON SOIL SLOPES COVERED WITH VEGETATION	2024/02/01
2024/01064	METHOD FOR SECONDARY UTILIZATION OF WASTE LITHIUM ION BATTERY CATHODE MATERIALS	2024/02/01
2024/01066	NANO IRON-CATALYZED BIOFERTILIZER AND A METHOD OF PREPARATION THEREOF	2024/02/01
2024/01067	A MANGO DEFECT DETECTION METHOD BASED ON MULTI-SCALE FEATURE DENSITY ESTIMATION	2024/02/01

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2024/01068	SYSTEM FOR PERFORMING AND EVALUATING AUTOMATIC TEXT SUMMARIZATION	2024/02/01
2024/01088	PHOTOVOLTAIC HEATING SYSTEM FOR CLOTHES	2024/02/02
2024/01089	ADJUSTABLE ADVERTISING RACK FOR BILLBOARDS	2024/02/02
2024/01090	FEEDER ARRANGEMENT	2024/02/02
2024/01091	A FIRE MONITORING DEVICE BASED ON OXIDATION MAGNET EFFECT	2024/02/02
2024/01107	PREPARATION METHOD FOR WHOLE-CITRUS FRUIT POWDER AND TABLET	2024/02/05
2024/01109	MULTI-FUNCTIONAL LEARNING BLOCK FOR CHILDREN	2024/02/05
2024/01110	SAND-PROTECTING BARRIER COMBINING MECHANICAL PROTECTION WITH MICROBIAL PROTECTION	2024/02/05
2024/01112	MATERIAL DETECTION SYSTEM BASED ON LASER-INDUCED BREAKDOWN SPECTRUM	2024/02/05
2024/01113	METHOD FOR PREDICTING FAILURE DEPTH OF COAL SEAM FLOOR IN MINE	2024/02/05
2024/01114	COMPOSITE CATALYST WITH ITS PREPARATION METHOD AND APPLICATION	2024/02/05
2024/01115	PHOTOVOLTAIC PANEL DAMAGE DETECTION SYSTEM BASED ON IMAGE ANALYSIS	2024/02/05
2024/01116	PREPARATION METHOD OF COMPOSITE MATERIAL AND APPLICATION IN MODIFIED ELECTRODE	2024/02/05
2024/01117	SELF-CLEANING SYSTEM APPLIED TO PHOTOVOLTAIC PANEL	2024/02/05
2024/01118	SIMPLE INSECT-PROOF NET WALL FOR BLOCKING MIGRATION OF CITRUS PSYLLA AND CONSTRUCTION METHOD THEREOF	2024/02/05
2024/01119	SMALL-TOOTH-DIFFERENCE REDUCER WITH CROSSED HELICAL GEARS	2024/02/05
2024/01120	PREPARATION METHOD FOR RASPBERRY WINE	2024/02/05
2024/01121	SELF-SERVICE BASKETBALL TRAINING SYSTEM	2024/02/05
2024/01122	UNREINFORCED SELF-STRENGTHENING CEMENT-BASED	2024/02/05

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	PRINTED CONCRETE, AND PREPARATION METHOD AND APPLICATION THEREFOR	
2024/01125	DEVICE FOR TESTING VISCOSITY REDUCTION EFFECT OF HEAVY-OIL VISCOSITY REDUCER	2024/02/05
2024/01126	TERMINAL FEEDBACK CONTROL METHOD FOR INTELLIGENT FINE TUNING OF SLAB BALLASTLESS TRACK	2024/02/05
2024/01127	CONSTRUCTION METHOD FOR A PREFABRICATED LINING STRUCTURE OF TUNNEL	2024/02/05
2024/01139	A METHOD TO OBTAIN A NEAR-IR INFRARED SPECTROSCOPY CEREBRAL SIGNAL	2024/02/05
2024/01160	CULTURE DISH FOR REGENERATING LIVER TISSUE	2024/02/06
2024/01166	MECHANICAL ARM WITH FLEXIBLE STRUCTURE	2024/02/06
2024/01168	A WEDGING TYPE TEST DEVICE FOR PULLING OUT REBARS	2024/02/06
2024/01180	APPARATUS AND METHOD FOR DETECTING RELIABILITY OF ROLLER USED IN LITHIUM BATTERY TECHNOLOGY	2024/02/06
2024/01193	A METHOD OF ISOTOPE TRACING FOR ASSESSING THE BIOAVAILABILITY OF HEAVY METALS IN SEDIMENTS FROM CORAL REEFS, MANGROVES, AND SEAGRASS BEDS USING ICP-MS	2024/02/07
2024/01194	COMPOSITE BEAM MOVEMENT CONSTRUCTION METHOD FOR TRANSFORMING EXISTING ELEVATED STATION OF HIGH-SPEED RAILWAY	2024/02/07
2024/01211	A FENCING ATTACHMENT FOR A HAND HELD POWER TOOL	2024/02/07
2024/01250	AN EFFICIENT SYSTEM AND METHOD FOR REMOVAL OF ARSENIC FROM WATER	2024/02/09
2024/01252	A SMART HEALTHCARE SYSTEM FOR INFECTIOUS DISEASE PREDICTION AND A METHOD THEREOF	2024/02/09
2024/01293	CNN AND IMAGE PROCESSING BASED DEVICE FOR EVALUATION AND ANALYSIS OF FINANCIAL REPORT	2024/02/12
2024/01353	NAKED COLLATION PACKAGE FILM	2024/02/14

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2024/01496	SYSTEMS AND METHODS FOR IMPROVED CORE SAMPLE ANALYSIS	2024/02/20
2024/01628	2-STEP IRON CONVERSION SYSTEM	2024/02/26
2024/01629	IMPURITY REMOVAL IN AN IRON CONVERSION SYSTEM	2024/02/26
2024/01630	ORE DISSOLUTION AND IRON CONVERSION SYSTEM	2024/02/26
2024/02459	COMPOUNDS FOR REGULATING TRAINED IMMUNITY, AND THEIR METHODS OF USE	2024/03/27

DESIGNS

Advertisement List for August 2024

Number of Advertised Designs: 114

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A2022/00549	AUTOMOBILE	2022/05/20
A2023/00201	FOOTWEAR	2023/02/16
A2023/00507	MOTOR VEHICLES	2023/04/24
A2023/00611	CONTAINERS	2023/05/23
A2023/00691	FISHNET LASHES	2023/06/13
A2023/00698	A LID	2023/06/19
A2023/00817	FOOTWEAR	2023/07/19
A2023/01082	LASH EXTENSIONS	2023/10/05
A2023/01083	Sample Holder	2023/10/05
A2023/01084	Sample Holder	2023/10/05
A2023/01085	Sample Holder	2023/10/05
A2023/01086	Sample Holder	2023/10/05
A2023/01095	Part of a Pump	2023/10/10
A2023/01096	Part of a Pump	2023/10/10
A2023/01119	MOUNTINGS	2023/10/13
A2023/01120	MOUNTINGS	2023/10/13
A2023/01153	Toy Car	2023/10/25
A2023/01154	Toy Car	2023/10/25
A2023/01180	ADD-ON MONITORING MODULE FOR AN INJECTION PEN	2023/10/31
A2023/01188	A TABLE	2023/11/01
A2023/01189	A TABLE	2023/11/01
A2023/01190	A TABLE	2023/11/01
A2023/01198	Capsule	2023/11/06
A2023/01206	FOOTWEAR	2023/11/07
A2023/01207	Motorcycle	2023/11/08
A2023/01217	Watch Case	2023/11/09

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A2023/01218	Apparatus for Measuring	2023/11/09
A2023/01221	AUTOMOBILES	2023/11/10
A2023/01228	Automobile	2023/11/16
A2023/01229	Front Combination Lamp for an Automobile	2023/11/16
A2023/01230	Mug	2023/11/16
A2023/01231	Mug	2023/11/16
A2023/01232	Front Combination Lamp for an Automobile	2023/11/16
A2023/01233	Front Grille for an Automobile	2023/11/16
A2023/01234	Front Bumper for an Automobile	2023/11/16
A2023/01235	Rear Combination Lamp for an Automobile	2023/11/16
A2023/01236	Rear Bumper for an Automobile	2023/11/16
A2023/01237	Instrument Panel for an Automobile	2023/11/16
A2023/01238	Steering Wheel for an Automobile	2023/11/16
A2023/01239	Mug	2023/11/16
A2023/01241	OCCLUSAL STOP DEVICE	2023/11/17
A2023/01244	Confection	2023/11/17
A2023/01245	ELECTRONIC DEVICE	2023/11/20
A2023/01246	ELECTRONIC DEVICE	2023/11/20
A2023/01247	LASH EXTENSIONS	2023/11/20
A2023/01248	COVER FOR ELECTRONIC DEVICE	2023/11/21
A2023/01249	COVER FOR ELECTRONIC DEVICE	2023/11/21
A2023/01251	COVER FOR ELECTRONIC DEVICE	2023/11/21
A2023/01252	COVER FOR ELECTRONIC DEVICE	2023/11/21
A2023/01258	Bottles with Sifters	2023/11/23
A2023/01259	Bottles with Sifters	2023/11/23
A2023/01262	Atomizer for an Electronic Atomizing Device	2023/11/23
A2023/01263	Electronic Atomizing Device	2023/11/23
A2023/01264	Power Supply for an Electronic Atomizing Device	2023/11/23
A2023/01281	Front Combination Lamp for an Automobile	2023/11/28
A2023/01282	Front Bumper for an Automobile	2023/11/28
A2023/01283	Front Grille for an Automobile	2023/11/28
A2023/01286	Tire Tread	2023/11/29
A2023/01288	OVENS	2023/11/29
A2023/01289	STAND FOR ELECTRONIC DEVICE	2023/11/30
A2023/01290	DISC DRIVE	2023/11/30
A2023/01291	STAND FOR ELECTRONIC DEVICE	2023/11/30
A2023/01293	PENDANT WATCHES	2023/11/30
A2023/01294	WATCHES	2023/11/30
A2023/01392	A CONTAINER	2023/12/12
A2023/01393	A CONTAINER	2023/12/12
A2023/01394	A CONTAINER	2023/12/12
A2023/01396	A CONTAINER	2023/12/12
A2023/01397	A CONTAINER	2023/12/12
A2023/01398	A CONTAINER	2023/12/12
A2023/01399	A CONTAINER	2023/12/12

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A2023/01420	PACKAGING FOR FOODSTUFFS	2023/12/14
A2023/01452	BIN	2023/12/20
A2023/01465	GRINDER ARRANGEMENT	2023/12/21
A2024/00436	SHOE SOLE	2024/05/08
A2024/00437	SHOE SOLE	2024/05/08
A2024/00462	PORTABLE BARBECUE GRILL	2024/05/17
A2024/00503	AUTOMOBILE	2024/05/30
A2024/00519	PHOTOVOLTAIC INVERTER	2024/06/04
A2024/00520	CHARGING PILE	2024/06/04
A2024/00521	ONE-PIECE ENERGY STORAGE DEVICE	2024/06/04
A2024/00523	CHARGING PILE	2024/06/04
A2024/00524	CHARGING PILE	2024/06/04
A2024/00525	CHARGING PILE	2024/06/04
A2024/00570	PHOTOVOLTAIC OPTIMIZER	2024/06/13
A2024/00571	ONE-PIECE ENERGY STORAGE DEVICE	2024/06/13
A2024/00572	ONE-PIECE ENERGY STORAGE DEVICE	2024/06/13
A2024/00574	DISPLAY SCREEN WITH THREE-DIMENSIONAL OPERATING INTERFACE	2024/06/14
A2024/00618	ENERGY STORAGE DEVICE	2024/06/24
A2024/00619	ENERGY STORAGE DEVICE	2024/06/24
A2024/00623	AUTOMOBILE	2024/06/26
A2024/00659	AUTOMOBILE	2024/07/01
A2024/00662	HONEYCOMB NUDGE BAR	2024/07/01
A2024/00663	HONEYCOMB SPORTS BAR	2024/07/01
A2024/00669	POWER DISTRIBUTION CABINET	2024/07/02
F2021/01438	PLUG	2021/11/18
F2022/00112	HAIR DRIERS	2022/02/02
F2022/00433	WEATHER AND DATE EDUCATIONAL AID	2022/04/25
F2023/00955	A DUAL CARTRIDGE DISPENSER	2023/09/01
F2023/01109	INFLATABLE BALL	2023/10/13
F2023/01179	ADD-ON MONITORING MODULE FOR AN INJECTION PEN	2023/10/31
F2023/01195	BRIDGE MOUNT FOR AN OPTICAL DEVICE	2023/11/03
F2023/01225	Array of Stacks of Sets of Containers	2023/11/14
F2023/01226	Array of Stacks of Sets of Containers	2023/11/14
F2023/01240	OCCLUSAL STOP DEVICE	2023/11/17
F2023/01242	TENSIONER	2023/11/17
F2023/01280	PROFILE	2023/11/24
F2023/01284	AN ACCESSORY FOR A GAME BOARD	2023/11/29
F2023/01285	AN ACCESSORY FOR A GAME BOARD	2023/11/29
F2023/01292	MOBILE TRIALERS	2023/11/30
F2023/01395	A CONTAINER	2023/12/12
F2023/01400	A CONTAINER	2023/12/12

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F2023/01466	GRINDER ARRANGEMENT	2023/12/21
F2024/00026	CONTAINER	2024/01/11