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INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

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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.

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2025/02483 ~ Provisional ~54:COMMUNICATION SYSTEM AND METHOD ~71:SOOKOO, Karlos Santiego, 13 Kiepersol Crescent, Robin Close, Meyersdal, South Africa ~72: SOOKOO, Karlos Santiego~

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2025/02509 ~ Complete ~54:COMPUTER INFORMATION BIG DATA DISPLAY DEVICE ~71:HUAINAN NORMAL UNIVERSITY, 238 DONGSHAN WEST ROAD, TIANJIA'AN DISTRICT, HUAINAN CITY, People's Republic of China ~72: ZHAO, Peng~

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2025/02522 ~ Complete ~54:AN AERATION ASSEMBLY FOR LIPID ACTIVATION ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY CH-1800, SWITZERLAND, Switzerland ~72: SINGH, Om Prakash;UPADHYAY, Rohit~ 33:IN ~31:202211049843 ~32:31/08/2022;33:EP ~31:22202171.9 ~32:18/10/2022

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2025/02519 ~ Complete ~54:BISPECIFIC ANTIBODY AND APPLICATION THEREOF ~71:REMEGEN (SHANGHAI) CO., LTD., 3rd Floor, No. 665 Zhangjiang Road, China (Shanghai) Pilot Free Trade Zone, People's Republic of China;REMEGEN CO., LTD., No. 58 Beijing Middle Road, Yantai Development Zone, Yantai District, China (Shandong) Pilot Free Trade Zone, People's Republic of China ~72: CHEN, Shanshan;FANG, Jianmin;LI, Dong;LI, YuanHao;MA, Xinting;WANG, Sisi;XIN, Yinghao;YUAN, Mei;ZHAO, Guorui~ 33:CN ~31:202211722833.X ~32:30/12/2022

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2025/02516 ~ Complete ~54:ANTI-B7H3 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: CHANG, Jen-Kuan;ISSAFRAS, Hassan;JIANG, Wei-Dong;LIN, Pei-Hua;XU, Wenfeng;XUE, Jie~ 33:CN ~31:PCT/CN2022/120415 ~32:22/09/2022

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2025/02479 ~ Provisional ~54:ELECTRONIC PUBLIC AND PRIVATE SERVICES INTELLIGENCE SYSTEMS (DIGITAL DIVIDE SOLUTIONS) ~71:Jabulani Elliot Nyamane, 644 Thakadu Street, South Africa ~72: Jabulani Elliot Nyamane~

2025/02480 ~ Provisional ~54:SYSTEM AND METHOD FOR INTERMEDIATE ORDER REDISTRIBUTION WITHIN ENCLOSED PARAMETERS ~71:Bongani Mzobe, 653 Mangwele Street, 653 Mangwele Street, South Africa ~72: Bongani Mzobe~

2025/02482 ~ Provisional ~54:AERIAL DRONE SYSTEM ~71:MZINDLE, Samkelo, 352 HIPPO AVENUE, CENTURION, 0152, SOUTH AFRICA, South Africa ~72: MZINDLE, Samkelo~

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2025/02502 ~ Complete ~54:SUSPENSION TYPE DOWNHOLE OBSTACLE CROSSING RESCUE ROBOT ~71:NORTH CHINA INSTITUTE OF SCIENCE & TECHNOLOGY (CHINA COAL MINE SAFETY TECHNOLOGY TRAINING CENTER), NO. 467 XUEYUAN STREET, SANHE YANJIAO DEVELOPMENT ZONE, People's Republic of China ~72: FAN, Guomin;JIANG, Rong;LIU, Juchen;WANG, Caihong~

2025/02507 ~ Complete ~54:AUXILIARY LEARNING DEVICE FOR PHILOSOPHICAL EDUCATION ~71:SUQIAN UNIVERSITY, NO. 399 HUANGHE SOUTH ROAD, SUCHENG DISTRICT, SUQIAN CITY, People's Republic of China ~72: LI, Liping;WANG, Zhiwang;ZHU, Tianying;ZHU, Wenying~

2025/02520 ~ Complete ~54:PROCESS FOR PRE-TREATING COAL FINES BEFORE PELLITISING ~71:SLURRY RECOVERY SERVICES (PTY) LIMITED, 45 Roggeveld Street, Aerorand, South Africa ~72: JOHANNES GERHARDUS COETZEE~ 33:ZA ~31:2023/03507 ~32:13/03/2023

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. - APPLIED ON 2025/03/25 -

2025/02550 ~ Complete ~54:FERTILIZING DEVICE FOR ORCHARDS ~71:Shandong Institute of Pomology, 66 Longtan Road, Mount Taishan District, Tai'an City, Shandong Province, 271099, People's Republic of China ~72: TAN Yue;WEI Hairong;XU Li;ZENG Peiyuan;ZHU Min~ 33:CN ~31:2025102304461 ~32:28/02/2025

2025/02554 ~ Complete ~54:CONSTRUCTIVE ARRANGEMENT APPLIED TO A BOX AND BALLAST STORAGE SUPPORT SET FOR THE INSTALLATION OF PHOTOVOLTAIC PANELS ~71:FORTLEV ENERGIA SOLAR LTDA, Avenida Civit, Brazil ~72: TORRES, Antônio Carlos~

2025/02559 ~ Complete ~54:A MACHINE LEARNING BASED CROP YIELD PREDICTION AND RESOURCE MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: DEDGAOKAR, Suruchi;FUTANE, Pravin;KODMELWAR, Manohar;SAPROO, Sumrit;SHARMA, Praniti;SHIROLE, Ishwari;SUKTE, Chudaman;THAKUR, Kushal~

2025/02565 ~ Complete ~54:AN INTELLIGENT SYSTEM FOR TRANSLATING INDIAN SIGN LANGUAGE INTO SPEECH AND TEXT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 41103, India ~72: AWARE, Vedant Santosh;GAIKWAD, Prajwal Dilip;GAIKWAD, Vidya S.;JADHAV, Parth Ravindra;MEHTA, Pradnya S.;PATIL, Amol V.;PIMPARKAR, Avdhoot Nilesh;YENKIKAR, Anuradha V.~

2025/02584 ~ Complete ~54:BAKING METHOD WITH THERMOSTABLE AMG VARIANT AND ALPHA-AMYLASE ~71:Novozymes A/S, Krogshoejvej 36, BAGSVAERD 2880, DENMARK, Denmark ~72: LUNDKVIST, Henrik;VARMING, Camilla~ 33:EP ~31:22203317.7 ~32:24/10/2022

2025/02534 ~ Provisional ~54:HALF 900MM PLASTIC TABLE ~71:Rose Moleboge Ndhundhuma, 05 Leadwood Creascent, South Africa ~72: Rose Moleboge Ndhundhuma~

2025/02539 ~ Complete ~54:FIRE-FIGHTING SMOKE EXHAUST PORT ~71:XIAN, Min, No. 6 Dongdi North Road, Xincheng Town, Xinxing County, Yunfu City, Guangdong Province, 527400, People's Republic of China ~72: XIAN, Min~

2025/02543 ~ Complete ~54:EUROPIUM COMPLEX, 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: BAO Han;CAI Bin;FENG Guijiao;HU Jiyong;JIN Ruyu;LIU Ruanxiang;MENG Yuning;SONG Shihe;YIN Chao~

2025/02549 ~ Complete ~54:PESTICIDE RESIDUE DEGRADING AGENT AND ITS PREPARATION METHOD ~71:Shantou Polytechnic, Shantou Polytechnic, Haojiang District, Shantou, Guangdong, People's Republic of China ~72: LIU Na~

2025/02551 ~ Complete ~54:A SAFETY WARNING DEVICE FOR PUBLIC PLACES ~71:Haojing College of Shaanxi University of Science & Technology, No. 20, Chenliang Road, Tongyi Avenue, Fengxi New Town, Xixian New District, Xi'an City, Shaanxi Province, 712046, People's Republic of China ~72: Guibin Zhang;Hongzhen Zhang;Shaojie Yang;Xia Hua~ 33:CN ~31:202510208909.4 ~32:25/02/2025

2025/02553 ~ Complete ~54:HISTORY-BASED RICE PARAMETER DERIVATIONS FOR WAVEFRONT PARALLEL PROCESSING IN VIDEO CODING ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No. 18, Haibin Road, Wusha, Chang'an, Dongguan, Guangdong 523860, People's Republic of

China ~72: HAOPING YU;YUE YU~ 33:US ~31:63/260,600 ~32:26/08/2021;33:US ~31:63/251,385 ~32:01/10/2021;33:US ~31:63/262,078 ~32:04/10/2021

2025/02557 ~ Complete ~54:A DESIGN THINKING BASED SYSTEM FOR LOST AND FOUND ITEMS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: BHATAGALIKAR, Varad;GADEWAR, Sohan;Himanshu;KODMELWAR, Manohar;MAGAR, Hanmant;MIRAJKAR, Riddhi;SURYAVANSHI, Amol;WANDRE, Chetan~

2025/02561 ~ Complete ~54:A WEBSITE BASED APPOINTMENT BOOKING SYSTEM FOR HOSPITAL OUTPATIENT DEPARTMENTS MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: JAWAHIRE, Prathamesh Sandeep;KODMELWAR, Manohar;LATPATE, Vivek Namdev;PANDE, Sujay Suhas;PATHAK, Kishor;PAWAR, Sonali;SUKTE, Chudaman;WIKHE, Shourya Gajanan~

2025/02567 ~ Complete ~54:A MACHINE LEARNING BASED FINANCE MANAGEMENT SYSTEM FOR MIDDLE AND LOWER MIDDLE CLASS FAMILIES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: CHAVAN, Durvesh Anil;CHAVAN, Gurunath;KALE, Nirant Manesh;KODMELWAR, Manohar;SHAIKH, Faraz Abid;SUKTE, Chudaman;WANKHADE, Shalini;WANOLE, Tejas Vilas~

2025/02574 ~ Complete ~54:A REALTIME BASED FOOD REDISTRIBUTION SYSTEM FOR EFFICIENT FOOD WASTE MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: CHAUDHARI, Srushti Mohan;CHAVAN, Gaurang Premsing;FUTANE, Pravin;KODMELWAR, Manohar;NALE, Shreyash Gajanan;NEMADE, Rohan Hemant;PATIL, Anish Sujit;SUKTE, Chudaman;WANKHADE, Shalini~

2025/02582 ~ Complete ~54:STRUCTURED LIPID COMPOSITIONS ~71:Universität Bern, Verwaltungsdirektion / Hochschulstr. 6, BERN CH-3012, SWITZERLAND, Switzerland;Universität Zürich, Prorektorat Forschung Rämistrasse 71, ZURICH 8006, SWITZERLAND, Switzerland ~72: ALEANDRI, Simone;CARONE, Marianna;GAULTNEY, Robert;GAZZI, Rafaela;KREBS, Philippe;LUCIANI, Paola;ROGLER, Gerhard;SPALINGER, Marianne~ 33:EP ~31:22197842.2 ~32:26/09/2022

2025/02589 ~ Complete ~54:RECOMBINANT AAV VECTORS FOR TREATING MUSCULAR DYSTROPHY ~71:SAREPTA THERAPEUTICS, INC., 215 First Street, Cambridge, Massachusetts, 02142, United States of America ~72: IDA H MOELLER;LOUISE RODINO-KLAPAC;STEFANIE E MASON~ 33:US ~31:63/376,840 ~32:23/09/2022;33:US ~31:63/487,217 ~32:27/02/2023;33:US ~31:63/509,221 ~32:20/06/2023;33:US ~31:63/518,055 ~32:07/08/2023

2025/02533 ~ Provisional ~54:A GRID ASSEMBLY ~71:LIBER CIVILS (PTY) LTD, PLOT 80 ALTHA STREET, RASLOUW, CENTURION, 0157, SOUTH AFRICA, South Africa ~72: VAN NIEKERK, Frans, Petrus~

2025/02536 ~ Provisional ~54:SYSTEM AND PROCESS FOR MOBILE STRUVITE PRODUCTION OF URINE ~71:LIQUID GOLD AFRICA (PTY) LTD, 6 DABCHICK STREET FLORIDA LAKE ROODEPOORT, South Africa ~72: HERMAN, Orion Lee~

2025/02541 ~ Complete ~54:DETECTION DEVICE FOR ENDOCRINE DISRUPTORS IN DRINKING WATER SOURCES ~71:Shantou Polytechnic, Shantou Polytechnic, Haojiang District, Shantou, Guangdong, People's Republic of China ~72: BAI Ren'ao;CAI Jingxin;CHEN Haojia;WANG Shen;WANG Zhilin;WU Junji;YAO Xiaosheng;ZHANG Huijuan;ZONG Tao~

2025/02580 ~ Complete ~54:WAVE ENERGY APPARATUS ~71:CHECKMATE LIMITED, 61 HIGH STREET, CRANBROOK KENT TN17 3EG, GREAT BRITAIN, United Kingdom ~72: PRENTICE, Mark~ 33:GB ~31:2212652.8 ~32:31/08/2022

2025/02585 ~ Complete ~54:DESIGN AND CONSTRUCTION METHOD FOR VARIABLE-DIAMETER CONCRETE-FILLED STEEL TUBE MIXING COMPOSITE PILE ~71:CHINA RAILWAY SHANGHAI DESIGN INSTITUTE GROUP CO., LTD, No. 1265, Gonghexin Rd Jingan District, People's Republic of China ~72: CHENG, Rui;GUO, Yeqing;JI, Shaofeng;LI, Rui;LIU, Jianhong;LONG, Fei;QIN, Lixin;WANG, Hongfa;YU, Rongxi;YUAN, Renji;ZHENG, Qiang;ZHOU, Xiaobing~ 33:CN ~31:202310546221.8 ~32:16/05/2023

2025/02639 ~ Provisional ~54:BENEFICIARY CHECK PROGRAM FOR VERIFYING INSURANCE COVERAGE AND BENEFICIARIES ~71:Lindile Mangaliso, 2753 Cnr Kwango and Jubba Road, South Africa ~72: Lindile Mangaliso~ 33:ZA ~31:NA ~32:24/03/2025

2025/02548 ~ Complete ~54:ULTRASONIC MAGNETIC STIRRING FLOTATION DEVICE ~71:Wuhan University of Technology, No. 122, Luoshi Road, Hongshan District, Wuhan City, Hubei Province, 430070, People's Republic of China ~72: BAO Shenxu;CHEN Bo;HUANG Rui;LOU Sidi;REN Liuyi;SHI Haodong;YANG Siyuan;YAO Yijia;ZENG Yanqi;ZHANG Xinyu;ZHANG Yimin~

2025/02555 ~ Complete ~54:A WEB BASED MENTAL HEALTH SYSTEM FOR AFFORDABLE YOUTH THERAPY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: BIRARE, Komal;CHILLAL, Tanvi Amar;DEDGAONKAR, Suruchi;JAIN, Himanshi Girish;KODMELWAR, Manohar;MAGAR, Hanmant;MANDHARE, Prajakta Subhash;SHEVATE, Anushka Vitthal~

2025/02591 ~ Complete ~54:A CONVEYOR SYSTEM ~71:TECHNOLOGICAL RESOURCES PTY. LIMITED, Level 43, 120 Collins Street, Melbourne, Victoria 3000, Australia ~72: CRAIG COLEMAN;JAMIE WEBSTER~

2025/02540 ~ Complete ~54:CLOUD-BASED MEASUREMENT AND CODING FULL-PROCESS MATERIAL MANAGEMENT SYSTEM AND METHOD ~71:China Electronics System Engineering No. 3 Construction Co., Ltd., Building 5, No. 2, Section 1, Jiefang Road, Jinniu District, Chengdu City, Sichuan Province, 610073, People's Republic of China ~72: HUO, Jinpeng;NING, Jian;YANG, Dengwei;ZHANG, Qiang~ 33:CN ~31:202411533234.2 ~32:31/10/2024

2025/02542 ~ Complete ~54:POLYACID-BASED IONIC LIQUID GREEN CATALYST 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: AN Yibo;CAI Bin;HU Jiyong;LIN Hongqing;MENG Yuning;WU Cencen;WU Xingguang;ZHANG Jiawei;ZHU Jide~

2025/02545 ~ Complete ~54:AN ELECTROCHEMICAL PROCESS TO MONITOR MEMBRANE FOULING IN BIOREACTORS FOR WASTEWATER TREATMENT ~71:Dr. Arvind Kumar Gautam, Department of Chemical Engineering, National Institute of Technology Hamirpur, Himachal Pradesh, India;Dr. Atul Katiyar, Department of Electrical Engineering, MJP Rohilkhand University, Bareilly, Uttar Pradesh, India;Dr. Deepmala Sharma, Department of Mathematics, National Institute of Technology Raipur, Chhattisgarh, India;Dr. Maharshi Yadav, Village and Post Nahora, Derva, Jaunpur, Uttar Pradesh, India;Dr. Rohit Kumar Singh, Sardar Patel Renewable Energy Research Institute, Anand, Gujarat, India;Dr. Saurabh Yadav, 90/13e/1 Muir Road, Rajapur, Allahabad, Uttar Pradesh, India;Dr. Sonelal Prajapati, Jabalpur Engineering College, Jabalpur, Madhya Pradesh, India;Dr. Suantak Kamsonlian, Department of Chemical Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj, India ~72: Dr. Arvind Kumar Gautam;Dr. Atul Katiyar;Dr. Deepmala Sharma;Dr. Maharshi Yadav;Dr. Rohit Kumar Singh;Dr. Saurabh Yadav;Dr. Sonelal Prajapati;Dr. Suantak Kamsonlian~ 33:IN ~31:202511004650 ~32:21/01/2025

2025/02546 ~ Complete ~54:CRUSHING DEVICE FOR ORGANIC FERTILIZER PRODUCTION ~71:Inner Mongolia Academy of Agricultural & Animal Husbandry Sciences, No. 22, Zhaojun Road, Yuquan District, Hohhot, Inner Mongolia Autonomous Region, 010031, People's Republic of China ~72: Fengcheng SUN;Yanan LIU;Yongfeng REN;Yuchen CHENG;Zhanyuan LU~ 33:CN ~31:2024107585325 ~32:13/06/2024

2025/02547 ~ Complete ~54:VAGINAL DEODORANT, A METHOD OF MANUFACTURE AND A CONTAINER FOR APPLICATION THEREOF ~71:Palesa Brenda Madikane, 77 The Heights Estate, Cnr 5th Rd and Smuts Dr, Halfway House, Midrand, South Africa ~72: Palesa Brenda Madikane~

2025/02552 ~ Complete ~54:AN ARTIFICIAL INTELLIGENCE MARKETING EXHIBITION STAND ~71:Haojing College of Shaanxi University of Science & Technology, No. 20, Chenliang Road, Tongyi Avenue, Fengxi New Town, Xixian New District, Xi'an City, Shaanxi Province, 712046, People's Republic of China ~72: Xia Hua~ 33:CN ~31:202510164151.9 ~32:14/02/2025

2025/02560 ~ Complete ~54:A FLUID, EFFICIENT AND INTERACTIVE ASSESSMENT SYSTEM FOR IMPROVING OVERALL PUBLIC TRANSPORTATION ECOSYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: BHIMANPALLEWAR, Ratnmala;GAIKWAD, Pranav;KADAM, Priyanshu;KODMELWAR, Manohar;PATHAK, Kishor;PAWAR, Sonali;SHENDE, Yash;SONAWANE, Moulik~

2025/02571 ~ Complete ~54:AN AUGMENTED REALITY-BASED SYSTEM FOR DIGITALIZATION OF PRODUCT MANUALS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: GAIKWAD, Vidya S.;JOSHI, Siddhesh Girishrao;KADAM, Sahil Nitin;KULKARNI, Athrva Janardhan;MEHTA, Pradnya S.;NAIDU, Manoj Umapathi;PANDIT, Pranjal S.;SABLE, Nilesh P.~

2025/02573 ~ Complete ~54:A REAL-TIME MESS MENU MANAGEMENT SYSTEM WITH ENHANCED STUDENT ACCESSIBILITY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: BAGUL, Akash Shankar;FUTANE, Pravin;KODMELWAR, Manohar;MURUNGWENI, Samantha;NALAWADE, Rohan Arun;PATHAK, Kishor;SHELKE, Shubham Uttam;SOYAM, Pranay Gulab~

2025/02579 ~ Complete ~54:PLK1 INHIBITOR IN COMBINATION WITH ANTI-ANGIOGENICS FOR TREATING METASTATIC CANCER ~71:CARDIFF ONCOLOGY, INC., 11055 Flintkote Avenue, San Diego, United States of America ~72: ERLANDER, Mark;RIDINGER, Maya~ 33:US ~31:63/405,466 ~32:11/09/2022;33:US ~31:63/515,831 ~32:26/07/2023

2025/02583 ~ Complete ~54:1,4-DIHYDROQUINAZOLINONE COMPOUNDS AND USES THEREOF ~71:Edgewise Therapeutics, Inc., 1715 38th Street, BOULDER 80301, CO, USA, United States of America ~72: DEL RIO, Carlos;DUVALL, Michael;EVANCHIK, Marc;HAWRYLUK, Natalie;HUNT, Kevin;KOCH, Kevin;LUZZIO, Michael;RUSSELL, Alan;SCHLACHTER, Stephen~ 33:US ~31:63/377,175 ~32:26/09/2022

2025/02558 ~ Complete ~54:AN IOT BASED REALTIME TRACKING SYSTEM FOR WOMEN'S SAFETY AND SECURITY ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: BAVDHANKAR, Pranav Pramod;BHIMANPALLEWAR, Ratnmala;BHOPALE, Aryan Shivaji;BOGE, Prathmesh Laxman;FUTANE, Pravin;KODMELWAR, Manohar;PATIL, Arpita Sandip;SHELKE, Ganesh~

2025/02562 ~ Complete ~54:A REAL-TIME SOS ALERT SYSTEM DESIGNED FOR INDIVIDUALS IN URBAN AND SUBURBAN AREAS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: BHANDARI,

Mahesh;CHAVAN, Tanishka Anil;KODMELWAR, Manohar;MORE, Prajkta Vishal;PANDITA, Suhani;SUKTE, Chudaman;TOSHNIWAL, Apurva Jitendrakumar;WANKHADE, Shalini~

2025/02563 ~ Complete ~54:A WEB-BASED SYSTEM FOR ANALYZING THE IMPACT OF BANNERS AND HOARDINGS ON PUBLIC AWARENESS, BEHAVIOR AND ENGAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: BHANDARI, Mahesh;DHANVATE, Darshan Dattatray;KODMELWAR, Manohar;KOLTE, Soham Nilesh;PATIL, Sanket Suresh;SUKTE, Chudaman;TIWAREKAR, Vighnesh Santosh;WANKHADE, Shalini~

2025/02566 ~ Complete ~54:AN INTUITIVE AND SEAMLESS SYSTEM FOR AUTOMATION OF GROUP EXPENSE MANAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: BADVE, Aneesh Vinayak;BHANDARI, Mahesh;CHAVAN, Gurunath;KIRLOSKAR, Tanvi Sudhir;KODMELWAR, Manohar;MUTHA, Vidhi Ramalingam Lingam;NAMJOSHI, Advait Samir;PAWAR, Sonali~

2025/02569 ~ Complete ~54:A REAL-TIME VEHICLE BREAKDOWN ASSISTANCE AND SERVICE MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: GUNTIWAR, Tejas Pawan;JAMIL, Shaikh Faizan Ahmad;KODMELWAR, Manohar;MAGAR, Hanmant;MARKE, Tejas Rajendra;PAWAR, Sonali;PINGALE, Manish Balasaheb;SONTAKKE, Prashant Nitin~

2025/02572 ~ Complete ~54:A STREAMLINED FOOD SERVICE MANAGEMENT SYSTEM FOR CANTEENS AND SIMILAR ESTABLISHMENTS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: FUTANE, Pravin;KODMELWAR, Manohar;MIRAJKAR, Riddhi;NYAMGONDE, Suyash Apparaya;PATHAK, Kishor;RATHOD, Aditya Vijaykumar;SABLE, Saksham Sambhaji;SOGANI, Jayam Sunil~

2025/02578 ~ Complete ~54:METHOD FOR ASSESSING ILLUMINATION SET-UP FOR VEHICLE SYSTEM CALIBRATION ~71:BELRON INTERNATIONAL LIMITED, Milton Park, Stroude Road, United Kingdom ~72: DANIEL, Gwen;DAVIES, Chris~ 33:GB ~31:2215167.4 ~32:14/10/2022

2025/02587 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR TREATING LYMPHOMA ~71:SYMBIO PHARMACEUTICALS LIMITED, 4-1-28 Toranomon, Minato-ku, , Tokyo, 1050001, Japan ~72: CHOON KIAT ONG;JASON CHAN;KOJI FUKUSHIMA;MASATOSHI HAZAMA~ 33:JP ~31:PCT/JP2022/032837 ~32:31/08/2022;33:JP ~31:2022-176670 ~32:02/11/2022

2025/02590 ~ Complete ~54:ARTICULATING WALL WAVE GENERATION SYSTEM AND RELATED METHODS ~71:KELLY SLATER WAVE COMPANY, LLC, 3300 La Cienega Place, Los Angeles, California, 90016, United States of America ~72: ADAM FINCHAM;CHRISTOPHER A PHEBUS;EMILE VAN VUUREN;GERALD KUBIAK;MICHAL PIESZKA;NATHAN LOEWEN;STRUAN EAMER~ 33:US ~31:63/377,179 ~32:26/09/2022

2025/02535 ~ Provisional ~54:EASY SHOPPING (EZZE) ~71:Teboho Tsotetsi, 1 Silwerboom Mayberry Park, South Africa ~72: Teboho Tsotetsi~

2025/02538 ~ Complete ~54:ELECTRIC POWER-ASSISTED HAND-PROPELLED PICKING DEVICE FOR PICKING POMEGRANATES ~71:Shandong Province Institute for the Control of Agrochemicals(Shandong Province Agrochemicals Quality Inspection Station), No. 200 Gongye North Road, Jinan City, Shandong Province, 250100, People's Republic of China ~72: FAN, Kun;LI, Xiangyang;XUE, Wen;ZHANG, Guofu;ZHANG, Yaozhong~ 33:CN ~31:202510106325.6 ~32:23/01/2025

2025/02544 ~ Complete ~54:RADIO FREQUENCY ELECTRICAL STIMULATION REGULATION SYSTEM FOR CHRONIC PAIN MANAGEMENT ~71:DONGGUAN PEOPLE'S HOSPITAL, No. 78, Wandao Road, Xinguyong, Wanjiang Street, Dongguan, Guangdong, People's Republic of China ~72: Chuan Liu;Jing Mou;Jintao Zhai;Song Cao;Weihong Li~

2025/02556 ~ Complete ~54:A DIRECT JOB-CONNECTING SYSTEM FOR DAILY WAGE WORKERS ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: FUTANE, Pravin;KODMELWAR, Manohar;MAINDALKAR, Aayushi;MULEY, Sneha;SAPAR, Nupur;SHELKE, Ganesh;SHINDE, Pranusha;SURYAVANSHI, Amol~

2025/02564 ~ Complete ~54:A DYNAMIC EXAM MASTERY SYSTEM FOR TAILORED LEARNING EXPERIENCE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: DEVMUNDE, Sanket Bhausaheb;GAIKWAD, Vidya S.;JADHAV, Harsh Rohit;JAIN, Sourav Mandot;PANDIT, Pranjal S.;PATIL, Amol V.;SHEIKH, Numan Firoz;YENKIKAR, Anuradha V.~

2025/02568 ~ Complete ~54:AN AI-BASED PSYCHOMETRIC EVALUATION SYSTEM FOR PERSONALITY INSIGHTS USING TEXT AND VIDEO DATA ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: BAGAL, Naisargi Manoj;BANCHHOR, Chitrakant;DINGREJA, Kashish Sunil;GAIKWAD, Vidya S.;KATHALE, Samruddhi Subhash;PANDIT, Pranjal S.;SAWALKAR, Janvi Prashant;YENKIKAR, Anuradha V.~

2025/02576 ~ Complete ~54:QUALITATIVE ASSESSMENT AND DATA SCORING SYSTEM FOR PREDICTING PROSTATE CANCER IN PSA GRAY ZONE ~71:CENTRAL HOSPITAL OF MINHANG DISTRICT SHANGHAI, No.170, Xinsong Road, Xinzhuang Town Minhang District,, Shanghai, 201199, People's Republic of China ~72: GUO, Zhuifeng;HAN, Conghui;WU, Jiawen;XU, Yunfei~ 33:CN ~31:202311015079.0 ~32:11/08/2023

2025/02581 ~ Complete ~54:A POWER PACK FOR A VIEWING OPTIC ~71:SHELTERED WINGS, INC. d/b/a VORTEX OPTICS, ONE VORTEX DRIVE, BARNEVELD, WI 53507, USA, United States of America ~72: BOLLIG, Garrison;CODY, Tom;HAMILTON, Sam;HAVENS, Calen;JAUCH, Keegan;KLEMM, Ian;LEWIS, Alexander;LOWRY, William;PALZKILL, Tony;RUE, Tim;SAUSEN, Zach;TAYLOR, Cory~ 33:US ~31:63/373,561 ~32:26/08/2022

2025/02586 ~ Complete ~54:AI-BASED AUTOMATIC OPTIMIZATION METHOD AND SYSTEM FOR BIG DATA DISTRIBUTED COMPUTING TASKS ~71:ZHEJIANG DATACYBER NETWORK CO., LTD., ROOM 201, BUILDING 7, NO. 1218 WENYI WEST ROAD, CANGQIAN SUBDISTRICT, People's Republic of China ~72: CHEN, TINGLIANG;MA, QIANG;YUAN, PANFENG~ 33:CN ~31:2025101349056 ~32:07/02/2025;33:WO ~31:PCT/CN2025/081546 ~32:10/03/2025

2025/02570 ~ Complete ~54:AN AI DRIVEN INTERACTIVE AR/VR SYSTEM FOR IMMERSIVE LEARNING AND CHILD ENGAGEMENT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, - 411037, India ~72: DEDGAONKAR, Suruchi;FUTANE, Pravin;KODMELWAR, Manohar;MUSALE, Bhagyashri Hanumant;NAGMODE, Sakshi Yashwant;PATIL, Wrushali Ravindra;PILLAI, Yashini Manohar~

2025/02575 ~ Complete ~54:ANTIBODY-DRUG CONJUGATES TARGETING NAPI2B AND METHODS OF USE ~71:ZYMEWORKS BC INC., 114 East 4th Avenue, Suite 800, Canada ~72: BARNSCHER, Stuart Daniel;BRANT, Michael G.;BROWMAN, Duncan;CHUI, Danny;CLAVETTE, Brandon;COLOMBO, Raffaele;DAS, Samir;ESCOBAR-CABRERA, Eric;GENE, Robert William;HERNANDEZ ROJAS, Andrea;KANG, Sukhbir Singh;LASALLE, Manuel Michel Auguste;LAWN, Samuel Oliver;PETERSEN, Mark Edmund;RICH, James

R.;UROSEV, Dunja;VOLKERS, Gesa;WICKMAN, Grant Raymond~ 33:US ~31:63/417,488 ~32:19/10/2022;33:US ~31:63/459,205 ~32:13/04/2023

2025/02577 ~ Complete ~54:TRIVALENT AND TRISPECIFIC ANTIBODY CONSTRUCTS AND METHODS OF USE THEREOF ~71:ZYMEWORKS BC INC., 114 East 4th Avenue, Suite 800, Canada ~72: AFACAN, Nicole;BHOJANE, Purva Prashant;DOUDA, David;ESCALANTE, Nichole K.;FERNS, Kelsey;FREIBURGER, Lee;JANCOWSKI, Sylwia;KANG, Sukhbir Singh;NEWHOOK, Lisa;PISCITELLI, Chayne L.;REPENNING, Peter;SPRETER VON KREUDENSTEIN, Thomas;TAO, Paula;WEISSER, Nina E.;ZWIERZCHOWSKI, Patricia~ 33:US ~31:63/417,542 ~32:19/10/2022;33:US ~31:63/458,852 ~32:12/04/2023;33:US ~31:63/465,137 ~32:09/05/2023;33:US ~31:63/591,311 ~32:18/10/2023

2025/02588 ~ Complete ~54:CHANNEL ANNOUNCEMENT IN WIRELESS COMMUNICATION SYSTEMS ~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;YUE QI~ 33:US ~31:63/448,161 ~32:24/02/2023;33:US ~31:18/414,382 ~32:16/01/2024

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2025/02612 ~ Complete ~54:PERK INHIBITOR HC-5404 IN COMBINATION WITH ANTI-PD-1 ANTIBODY AND/OR AN ANTIANGIOGENETIC AGENT FOR USE IN THE TREATMENT OF CANCER ~71:HIBERCELL, INC., 619 West 54th Street, 8th Floor, United States of America ~72: BOSE, Nandita;CALVO VIDAL, Veronica;DREES, Jeremy;MULVIHILL, Mark, J.;STOKES, Michael;SURGULADZE, David~ 33:US ~31:63/413,116 ~32:04/10/2022;33:US ~31:63/443,344 ~32:03/02/2023;33:US ~31:63/455,911 ~32:30/03/2023

2025/02616 ~ Complete ~54:WATER MISCIBLE FLUORESCENT MONOMER AS MARKING IN A WATERBORNE COATING ~71:DOW GLOBAL TECHNOLOGIES LLC, 2211 H.H. Dow Way Midland, United States of America ~72: GHOSAL, Siddhartha;JAIN, Abhisar~ 33:IN ~31:202241055719 ~32:28/09/2022

2025/02626 ~ Complete ~54:PRAME IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING PRAME IMMUNOGENIC PEPTIDES, AND USES THEREOF ~71:TScan Therapeutics, Inc., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: GURER, Cagan;JUREWICZ, Mollie M.;MACBEATH, Gavin~ 33:US ~31:63/413,552 ~32:05/10/2022;33:US ~31:63/423,294 ~32:07/11/2022

2025/02608 ~ Complete ~54:A COMPREHENSIVE SPORTS MANAGEMENT SYSTEM INTEGRATING INJURY PREVENTION, NUTRITION, SPONSORSHIP, AND MERCHANDISE MODULES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAHIRAT, Sairaj;BIRARE, Komal;JADHAV, Aditya;KODMELWAR, Manohar;KUNJEER, Ashutosh;PATIL, Swati;SUPLE, Kaiwalya;SURYAVANSHI, Amol~

2025/02601 ~ Complete ~54:PHARMACEUTICAL FORMULA FOR TREATING LEUKEMIA AND UREMIA AND PREPARATION METHOD THEREOF ~71:Hezhong Zheng, No. 5 Anle Group, Tongzi Village, Meilong Town, Guichi District, Chizhou City, Anhui Province, People's Republic of China ~72: Hezhong Zheng~ 33:CN ~31:2025102546598 ~32:05/03/2025

2025/02599 ~ Complete ~54:MANUAL ALIGNMENT CALIBRATION DEVICE AND METHOD FOR COUPLED MOTORS ~71:ZHEJIANG UNIVERSITY OF SCIENCE & TECHNOLOGY, No.318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang Province, 310023, People's Republic of China ~72: JIN Yong;SONG Xubin;WANG Maojian;WANG Zihui;ZHANG Rui;ZHOU Yangjie~

2025/02602 ~ Complete ~54:EFFICIENT POWER SYSTEM ENERGY TRANSMISSION METHOD BASED ON SUPERCONDUCTING MAGNETS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: Guo Beilei;Hu Qing;Liu Lian;Lou Yujie;Peng Jianbo;Shi Chunyan;Zhang Xingeng~ 33:CN ~31:2024118951128 ~32:21/12/2024

2025/02603 ~ Complete ~54:DYNAMIC STABILITY CONTROL METHOD OF POWER SYSTEM BASED ON SUPERCONDUCTING MAGNETS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: Fang Yi;Guo Beilei;Hu Qing;Shi Chunyan;Yang Chengwu;Zhang Taiyu~ 33:CN ~31:2024118951132 ~32:21/12/2024

2025/02604 ~ Complete ~54:BATTERY MANAGEMENT SYSTEM OF FIRE ENGINE ~71:Hubei Jiangnan Special Automobile Co., Ltd, No. 1, Xingguang Industrial Park, Beijiao, Suizhou City, Hubei Province, 441300, People's Republic of China ~72: GAN, Zilin~ 33:CN ~31:202410668653.0 ~32:28/05/2024

2025/02607 ~ Complete ~54:COATED GLASS CLAMPING DEVICE ~71:Jiangsu Urban and Rural Construction Vocational College, No. 1 Heyu Road, Yincun Vocational Education Park, Changzhou City, Jiangsu Province, 213147, People's Republic of China ~72: Lin Gai~

2025/02609 ~ Complete ~54:A SYSTEM FOR VERIFYING THE AUTHENTICITY OF COLLECTED DATA IN RELATION TO A GEOLOCATION ~71:VERITY INNOVATION OZ PTY LTD, Level 6, 388 George Street, Sydney, New South Wales, 2000, Australia ~72: CHIA JUNG CHANG;JUSTIN ELLIOT BAIRD~ 33:GB ~31:2404334.1 ~32:26/03/2024

2025/02611 ~ Complete ~54:METHODS FOR REDUCING ALLOANTIBODY LEVELS IN SUBJECTS IN NEED OF SOLID ORGAN TRANSPLANTATION ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: CARPENTER, Stephen M.;HARARI, Olivier;LIMNANDER, Andre;NORTON, Thomas, D.;PERLEE, Lorah;SINGH, Nikhil;SLEEMAN, Matthew~ 33:US ~31:63/414,705 ~32:10/10/2022;33:US ~31:63/539,027 ~32:18/09/2023

2025/02618 ~ Complete ~54:SCAFFOLD, IN PARTICULAR MOBILE SCAFFOLD ~71:WILHELM LAYHER VERWALTUNGS-GMBH, Ochsenbacher Str. 56, Germany ~72: Wolf Christian BEHRBOHM~ 33:DE ~31:10 2022 133 321.3 ~32:14/12/2022

2025/02625 ~ Complete ~54:PERFUMING COMPOSITIONS COMPRISING A 2-(ALKYLSULFONYL)OCTAN-4-ONE ~71:Firmenich SA, 7, Rue de la Bergère, SATIGNY 1242, SWITZERLAND, Switzerland ~72: FIEBER, Wolfgang;HERRMANN, Andreas~ 33:EP ~31:22200355.0 ~32:07/10/2022

2025/02631 ~ Complete ~54:DRY FORMULATION OF AN ACTIVE INGREDIENT ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: VICKI ALICE CHENG~ 33:US ~31:63/411,318 ~32:29/09/2022

2025/02632 ~ Complete ~54:COMPOSITIONS INCLUDING ENCAPSULATED BIXLOZONE AND NON-ENCAPSULATED BIXLOZONE ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: DAVID HENNENS;JESPER HILDEBRANDT;KRISHNAN PALANICHAMY;PAUL NICHOLSON~ 33:US ~31:63/412,366 ~32:30/09/2022

2025/02634 ~ Complete ~54:METHOD FOR ESTIMATING THE GERMINATION PROPERTIES OF PLANT SEEDS AND TEST KITS ~71:SEEDALIVE GMBH, Albert-Einstein-Str. 30, 49076, Osnabrück, Germany ~72: JENS VARNSKÜHLER~ 33:DE ~31:10 2022 125 712.6 ~32:05/10/2022

2025/02637 ~ Complete ~54:METHODS AND MATERIALS FOR USING ADENOVIRUS VECTORS TO IMMUNIZE MAMMALS ~71:MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, 200 First Street SW, United States of America;MOAT BIOTECHNOLOGY CORPORATION, 840 Reseach Parkway, Suite 516, United States of America ~72: BARRY, Michael A.;ROTHER, Russell~ 33:US ~31:63/407,984 ~32:19/09/2022

2025/02605 ~ Complete ~54:PERSONNEL DETECTION SYSTEM FOR FIRE TRUCKS ~71:Hubei Jiangnan Special Automobile Co., Ltd, No. 1, Xingguang Industrial Park, Beijiao, Suizhou City, Hubei Province, 441300, People's Republic of China ~72: GAN, Zilin~ 33:CN ~31:202410510143.0 ~32:26/04/2024

2025/02610 ~ Complete ~54:METHODS OF TREATING COLORECTAL CANCER USING AN ANTI-CTLA4 ANTIBODY ~71:AGENUS INC., 3 Forbes Road, United States of America ~72: CHAND, Dhan Sidhartha;GROSSMAN, Joseph;O'DAY, Steven~ 33:US ~31:63/381,621 ~32:31/10/2022;33:US ~31:63/497,392 ~32:20/04/2023

2025/02613 ~ Complete ~54:LIQUID COLLECTOR ~71:BALTIMORE AIRCOIL COMPANY, INC., 7600 Dorsey Run Road, Jessup, United States of America ~72: AUTH, Christopher Patrick;MOST, Ryan John;RUSSELL, Gregory Adam;WALL, III, Richard David~ 33:US ~31:63/414,236 ~32:07/10/2022

2025/02636 ~ Complete ~54:PLASMINOGEN (PLG) 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: BENJAMIN HOLMES;ELANE FISHILEVICH;ELEFTHERIA MARATOS-FLIER;JEFFREY ZUBER;JOHN GANSNER;MARTINA SLINGSBY~ 33:US ~31:63/378,731 ~32:07/10/2022;33:US ~31:63/587,546 ~32:03/10/2023

2025/02638 ~ Complete ~54:NUTRITIONAL SOIL CONDITIONING AGENT ~71:POSTMA, Clayton Julian, 21 Aurora Drive, Mountainside, South Africa ~72: POSTMA, Clayton Julian~ 33:ZA ~31:2022/10496 ~32:22/09/2022

2025/02594 ~ Provisional ~54:PROCESS FOR MANUFACTURING ECO-FRIENDLY COSMETICS FROM RECYCLED OIL ~71:KCHELSEY (PTY) LTD, AMANDAWE MISSION AMAGCINO SCOTTSBURGH, South Africa ~72: KHWELA, Londiwe Chelsey~

2025/02595 ~ Provisional ~54:AI-POWERED NETWORK MARKETING SYSTEM FOR EDUCATIONAL AND DIGITAL CREDENTIALING PLATFORMS ~71:Kabelo Diale, 7 Comet Street, South Africa;Tumelo Sapa Malekane, 12 St Francis Drive, South Africa ~72: Kabelo Diale;Tumelo Sapa Malekane~

2025/02598 ~ Complete ~54:SUPPORT DEVICE FOR PHOTOVOLTAIC MODULE AND PHOTOVOLTAIC SYSTEM ~71:Sinoma Overseas Development Co., Ltd., Room 1201, Ganjiakou Building, No.17 Sanlihe Road, Haidian District, Beijing, 100037, People's Republic of China ~72: Bowen LYU;Fangke ZHANG;Lei YANG;Liming REN;Linhe ZHU;Pengtao LI;Qiang GU;Yu ZHOU~ 33:CN ~31:2024212777246 ~32:05/06/2024

2025/02621 ~ Complete ~54:COMBINATION THERAPIES INCLUDING METAL CHANNEL ACTIVATORS AND NMDA RECEPTOR ANTAGONISTS ~71:Biohaven Therapeutics Ltd., Biohaven Therapeutics Ltd., Ritter House, P.O. Box 173, ROAD TOWN VG 1110, TORTOLA, VIRGIN ISLANDS (BRITISH), Virgin Islands (British) ~72: CORIC, Vladimir~ 33:US ~31:63/402,416 ~32:30/08/2022

2025/02627 ~ Complete ~54:PLATED STEEL MATERIAL AND METHOD FOR MANUFACTURING PLATED STEEL MATERIAL ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8071, JAPAN, Japan ~72: FUKUDA, Yuto;GOTO, Yasuto;MAJIMA, Yasuhiro;MIYATA, Takuya;SAITO, Mamoru;SHINDO, Hidetoshi;TOKUDA , Kohei;YAMATO , Naoyuki~ 33:JP ~31:2022-138732 ~32:31/08/2022

2025/02635 ~ Complete ~54:SUBSTITUTED 5-MEMBERED RINGS AND THEIR USE AS PESTICIDES ~71:CORTEVA AGRISCIENCE LLC, 9330 Zionsville Road, Indianapolis, Indiana, 46268, United States of America ~72: ALLYSON J BOYINGTON;AROOP CHANDRA;DANIEL G KOHLER;JARED L BELL;JINPENG ZHAO;JOSEPH D ECKELBARGER;RAJESH KUMAR MISHRA;XUELIN WANG~ 33:US ~31:63/379,265 ~32:12/10/2022

2025/02596 ~ Complete ~54:METHOD FOR GENERATING ADVERSARIAL SAMPLES BASED ON DUAL-LAYER GENERATIVE ADVERSARIAL NETWORK ~71:Henan Weida Electronic Technology Co., Ltd., No. 199 Yangjin Road, Jinshui District, Zhengzhou City, Henan Province, 450000, People's Republic of China;Zhengzhou University of Aeronautics, No. 15 Wenyuan West Road, Zhengdong New District, Zhengzhou City, Henan Province, 450046, People's Republic of China ~72: DU, Jiahao;WANG, Jia;WANG, Yongqing;ZHANG, Wei~

2025/02600 ~ Complete ~54:DUAL-AXIS ELECTROMAGNETIC COIL-ACCELERATED HOPKINSON BAR EXPERIMENTAL APPARATUS ~71:HENAN POLYTECHNIC UNIVERSITY, No.2001, Century Avenue, High-tech Zone, Jiaozuo City, Henan Province, 454003, People's Republic of China ~72: GONG Jian;WANG Junbo;WANG Shuren;WANG Wen;ZHANG Baimei~

2025/02614 ~ Complete ~54:METHODS OF USING ITRACONAZOLE DRY POWDERS ~71:PULMATRIX OPERATING COMPANY, INC., 36 CROSBY DRIVE, SUITE 100, BEDFORD, MA 01730, USA, United States of America ~72: CURRAN, Aidan~ 33:US ~31:63/402,577 ~32:31/08/2022

2025/02617 ~ Complete ~54:ENGINEERED CHIMERIC FUSION PROTEIN COMPOSITIONS AND METHODS OF USE THEREOF ~71:MYELOID THERAPEUTICS, INC., 300 Technology Square, Suite 203, United States of America ~72: GETTS, Daniel;WANG, Yuxiao~ 33:US ~31:63/409,193 ~32:22/09/2022

2025/02619 ~ Complete ~54:BURNABLE POISON COATING AND PREPARATION METHOD THEREFOR, AND NUCLEAR FUEL ELEMENT ~71:Shanghai Institute of Ceramics, Chinese Academy of Sciences, 585 Heshuo Road, SHANGHAI 201899, JIADING DISTRICT, CHINA (P.R.C.), People's Republic of China;Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No. 29 Hongcao Road, SHANGHAI 200233, XUHUI DISTRICT, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Xiangyang;FAN, Wugang;LI, Cong;LU, Junqiang;WANG, Xiaojiao;WEI, Xiangyu;YOU, Yan;ZHANG, Man;ZHANG, Zhaoquan~ 33:CN ~31:202211077822.0 ~32:05/09/2022

2025/02623 ~ Complete ~54:ENCODER AND ENCODING METHOD FOR DISCONTINUOUS TRANSMISSION OF PARAMETRICALLY CODED INDEPENDENT STREAMS WITH METADATA ~71:Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., Hansastraße 27c, MÜNCHEN 80686, GERMANY, Germany ~72: BAYER, Stefan;DÖHLA, Stefan;EICHENSEER, Andrea;FUCHS, Guillaume;KIENE, Jan Frederik;KORSE, Srikanth;MULTRUS, Markus;SAGNOWSKI, Kacper~ 33:IB ~31:2022/075144 ~32:09/09/2022

2025/02628 ~ Complete ~54:NOVEL PARENTERAL FORMULATIONS OF CANNABIDIOL ~71:LEIUTIS PHARMACEUTICALS LLP, Plot No. 23, TIE 1st Phase, Balanagar, India ~72: AKULA, Srinath;BANDA, Nagaraju;KOCHERLAKOTA, Chandrashekhar;NARALA, Arjun;PULLAGURA, Naga Udaya Sankar;RAMREDDY, Srividya~ 33:IN ~31:202241049537 ~32:30/08/2022

2025/02630 ~ Complete ~54:ATTRACTANT COMPOSITION OF THE DELOTTOCOCCUS ABERIAE SPECIES, USES THEREOF, METHODS FOR DETECTION, MONITORING AND/OR CONTROL OF THE PEST ~71:ECOLOGÍA Y PROTECCIÓN AGRÍCOLA, S.L., Gregal, 11 Polígono Industrial Ciutat de Carlet, Apartado de Correos, 50, 46240, Carlet, Spain ~72: ALEJANDRO CARBONELL GARCIA;ISMAEL NAVARRO FUERTES;JAIME PRIMO MILLO;JAVIER MARZO BARGUES;RAUL LUNA ATANCE;SANDRA VACAS GONZALEZ;VICENTE NAVARRO LLOPIS~ 33:ES ~31:P202230776 ~32:29/08/2022

2025/02597 ~ Complete ~54:MICROPLASTIC COLLECTION DEVICE FOR WATER BODIES ~71:Shantou Polytechnic, Shantou Polytechnic, Haojiang District, Shantou, Guangdong, People's Republic of China ~72: CAI Jingxin;CHEN Haojia;CHEN Qi;LIU Na;WANG Zhilin;WU Junji;YAO Xiaosheng;ZHANG Huijuan;ZONG Tao~

2025/02606 ~ Complete ~54:COMPOUNDS AND METHODS TARGETING HUMAN TAU ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46206-6288, IN, USA, United States of America ~72: CHAI, Xiyun;CHEN, Jinbiao;DAGE, Jeffrey L.;DRIVER, David Albert;HINTON, Steven Fisher;SIEGEL, Robert William II;VAILLANCOURT, Peter Edward~ 33:US ~31:62/855,331 ~32:31/05/2019

2025/02615 ~ Complete ~54:RAPID HEMOSTATIC DEVICE FOR EMERGENCY CARE ~71:The Fifth Affiliated Hospital of Guangzhou Medical University (Affiliated Hospital of Guangzhou Regenerative Medicine and Health Laboratory of Guangdong Province), No. 621 Gangwan Road, Huangpu District, Guangzhou City, Guangdong Province, 510700, People's Republic of China ~72: Chen Min;Chen Yingzhen;Ding Zixi;Liao Penghui;Liu Qiuli;Pi Bin;Zhou Ying~ 33:CN ~31:202410438407.6 ~32:12/04/2024

2025/02620 ~ Complete ~54:BAKING METHOD FOR PULSE PROTEIN FORTIFIED BREAD EMPLOYING THERMOSTABLE AMYLOGLUCOSIDASE VARIANTE (EC 3.2.1.3) ~71:Novozymes A/S, Krogshoejvej 36, BAGSVAERD 2880, DENMARK, Denmark ~72: LUNDKVIST, Henrik;VARMING, Camilla~ 33:EP ~31:22203319.3 ~32:24/10/2022

2025/02622 ~ Complete ~54:MICROBIOCIDAL PYRAZOLE DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: EDMUNDS, Andrew;MAHAJAN, Atul;SCARBOROUGH, Christopher Charles~ 33:IN ~31:202211056322 ~32:30/09/2022;33:EP ~31:22208396.6 ~32:18/11/2022

2025/02624 ~ Complete ~54:LAMINATED CORE AND MANUFACTURING METHOD OF LAMINATED CORE ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8071, JAPAN, Japan ~72: MIZUMURA, Takahito;MOGI, Hisashi;TAKAHASHI , Masaru~ 33:JP ~31:2022-159532 ~32:03/10/2022

2025/02629 ~ Complete ~54:THERAPEUTIC DEVICE FOR INFLAMMATORY, PAINFUL PATHOLOGY AND A NEURO- MUSCULAR AND POSTURAL REMODULATION ~71:FONTANA, Fabio, Piazza Giorgione, 45, Italy ~72: FONTANA, Fabio~ 33:IT ~31:102022000019506 ~32:23/09/2022

2025/02633 ~ Complete ~54:BIXLOZONE WATER DISPERSIBLE GRANULE COMPOSITIONS ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: JEFFREY WAYNE SHIMP;LUANN RUE MARSHALL;PAUL NICHOLSON~ 33:US ~31:63/412,059 ~32:30/09/2022

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2025/02642 ~ Provisional ~54:SYSTEM AND METHOD FOR RECHARGING A PREPAID UTILITY METER REMOTELY ~71:KNOETZE, Celeste, 3 Van Der Byl Avenue, Valmary Park, Durbanville 7550, Western Cape, SOUTH AFRICA, South Africa ~72: KNOETZE, Celeste~

2025/02643 ~ Complete ~54:A DEBT FINANCE COMPUTING SYSTEM AND DEVICE ~71:BAYANDA XOLISA MEHLALA, NO 30 THE BOULDERS SUNNYRIDGE, South Africa ~72: BAYANDA XOLISA MEHLALA~ 33:ZA ~31:2024/02804 ~32:11/04/2024

2025/02644 ~ Complete ~54:MULTI-FUNCTIONAL APHRODISIAC CHINESE MEDICINE AND APPLICATION THEREOF ~71:Zhiyong Yu, No. 4 Galan South Road, Jinghong City, Xishuangbanna Dai Autonomous

Prefecture, Yunnan Province, People's Republic of China ~72: Zhiyong Yu~ 33:CN ~31:2024116858340 ~32:23/11/2024

2025/02647 ~ Complete ~54:GROUND-BASED LOW-ALTITUDE INTELLIGENT OPERATIONS PLATFORM ~71:Sixty-four Zhang, Gouxinzhao Village, Shulinzhao Town, Dalate Banner, Ordos City, Inner Mongolia Autonomous Region, People's Republic of China ~72: Sixty-four Zhang~ 33:CN ~31:2025103027517 ~32:14/03/2025

2025/02666 ~ Complete ~54:MAGEA1 IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING MAGEA1 IMMUNOGENIC PEPTIDES, AND USES THEREOF ~71:TScan Therapeutics, Inc., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: JUREWICZ, Mollie M.;MACBEATH, Gavin;NABILSI, Nancy;TADROS, Jenny;WANG, Yifan~ 33:US ~31:63/413,560 ~32:05/10/2022;33:US ~31:63/468,842 ~32:25/05/2023

2025/02775 ~ Provisional ~54:ROOIBRU HARD ICE TEA ~71:ROOIBRU (PTY) LTD, Stand 467 Pearl Valley, South Africa ~72: HAMISH ROGER GEBERS~

2025/02661 ~ Complete ~54:PROBE FOR LIQUID ANALYSIS ~71:Watergenics GmbH, Urbanstraße 64, 10967, BERLIN, GERMANY, Germany ~72: MANTESCU, Liviu~ 33:DE ~31:10 2022 129 251.7 ~32:04/11/2022

2025/02668 ~ Complete ~54:GRAPHICAL USER INTERFACE ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: BRADDON-PARSONS, Alana~ 33:AU ~31:2022903160 ~32:25/10/2022

2025/02674 ~ Complete ~54:TREATMENT OF CARDIOMYOPATHY WITH AAV GENE THERAPY VECTORS ~71:DINAQOR AG, Wagistrasse 25, CH-8952, Schlieren, Switzerland ~72: EDUARD AYUSO;PETER CAMERON COLOSI;POOJA AGARWAL;SERGIO VIEDMA-GONZALEZ;THOMAS VOIT;VALERIA RICOTTI;WESLEY YONEMOTO~ 33:US ~31:63/376,712 ~32:22/09/2022;33:US ~31:63/519,967 ~32:16/08/2023

2025/02676 ~ Complete ~54:PERSONAL CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: TINGYAN MI;XUELAN GU~ 33:CN ~31:PCT/CN2022/131249 ~32:11/11/2022;33:EP ~31:22212378.8 ~32:09/12/2022

2025/02651 ~ Complete ~54:WATER-ENERGY NEXUS BUILDING PANEL ~71:CAPE PENINSULA UNIVERSITY OF TECHNOLOGY (CPUT), Keizersgracht and Tennant Street Zonnebloem, Cape Town, 8000, South Africa ~72: ATANDA RAJI;KEAMOGETSE BRIDGET MOKOMELE;KUMAR PALLAV~ 33:ZA ~31:2024/02446 ~32:27/03/2024

2025/02662 ~ Complete ~54:PROCESS AND PLANT FOR PRODUCING VINYL CHLORIDE FROM 1,2-DICHLOROETHANE ~71:Westlake Vinnolit GmbH & Co. KG, Carl-Zeiss-Ring 25, ISMANING 85737, GERMANY, Germany;thyssenkrupp AG, ThyssenKrupp Allee 1, ESSEN 45143 , GERMANY, Germany;thyssenkrupp Uhde GmbH, Friedrich-Uhde-Strasse 15, DORTMUND 44141, GERMANY, Germany ~72: BENJE, Michael;KAMMERHOFER, Peter;KREJCI, Klaus~ 33:DE ~31:10 2022 208 894.8 ~32:29/08/2022;33:LU ~31:LU102998 ~32:29/08/2022

2025/02669 ~ Complete ~54:SYSTEMS, METHODS AND COMPUTER-READABLE MEDIA FOR MIGRATING DATA ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: THORNBURROW, Geoff~ 33:AU ~31:2022903012 ~32:14/10/2022

2025/02671 ~ Complete ~54:METHODS AND SYSTEMS FOR GENERATING SYNTHETIC DATA ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: DOAN, Tuan;FEDYASHOV, Victor;LAW, Brendan~ 33:AU ~31:2022903041 ~32:17/10/2022

2025/02655 ~ Complete ~54:SYSTEMS AND CONTROLS FOR AN ENABLER OF A VIEWING OPTIC ~71:SHELTERED WINGS, INC. d/b/a VORTEX OPTICS, ONE VORTEX DRIVE, BARNEVELD, WI 53507, USA, United States of America ~72: BOLLIG, Garrison;CODY, Tom;HAMILTON, Sam;HAVENS, Calen;JAUCH, Keegan;KLEMM, Ian;LEWIS, Alexander;LOWRY, William;PALZKILL, Tony;RUE, Tim;SAUSEN, Zach;TAYLOR, Cory~ 33:US ~31:63/373,770 ~32:29/08/2022

2025/02645 ~ Complete ~54:HIGH-SPEED ROTARY TABLET PRESS WITH NON-STOP POWDER CLEANING FOR PUNCH DIES ~71:JIANGSU COLLEGE OF NURSING, No. 9 Keji Road, Higher Education Park, Huai'an City, Jiangsu Province, 223001, People's Republic of China ~72: Erhua CHEN;Xiang LIU;Xin WU;Yue YANG~ 33:CN ~31:2025204209077 ~32:11/03/2025

2025/02657 ~ Complete ~54:FORMING SYSTEM AND FORMING METHOD FOR MAGNETIC LEVITATION SPATIAL CURVED BEAM ~71:China Railway 23rd Bureau Group Co., Ltd, Room 508,5th Floor,Building #1,No.530 of Middle Tianfu Avenue,Chengdu High-tech Zone,China (Sichuan) Pilot Free Trade Zone, Chengdu, People's Republic of China;China Railway 23rd Bureau Group Rail Transit Engineering Co., Ltd, Workshop 1,2nd Floor,Building 4,No. 386 Pinggang Road,Lingang New Area,China (Shanghai) Pilot Free Trade Zone, Shanghai, People's Republic of China ~72: Bin TAN;Dayuan LI;Fei WANG;Hongyi CHEN;Jieyong LI;Weiwang PAN;Wenpan DENG;Xiaojing LI;Yang CHENG;Yanlong LIU;Zhiyong HU~ 33:CN ~31:2024105707135 ~32:09/05/2024

2025/02659 ~ Complete ~54:HIGH-PACK DENSITY MULTI-FACETED BOTTLE WITH ROUND BASE ~71:FXF Tech, LLC, 4220 Silverado Trail, NAPA 94558, CA, USA, United States of America ~72: BEHNIA, Kia~ 33:US ~31:63/402,155 ~32:30/08/2022

2025/02667 ~ Complete ~54:MACROCYCLIC DERIVATIVE AND USE THEREOF ~71:Guangzhou JOYO Pharmatech Co., Ltd., Suite 204, Unit 3, Building 2, Yunsheng Science Park, No.11 Guangpu Middle Street, Huangpu District, GUANGZHOU 510663, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Kevin X.;CHEN, Shuhui;JIANG, Fen;LI, Jian;LIU, Xiao;WANG, Zheng;ZHANG , Li;ZHANG, Yang;ZHOU, Kai~ 33:CN ~31:202211213222.2 ~32:29/09/2022;33:CN ~31:202310132699.6 ~32:17/02/2023;33:CN ~31:202310371165.9 ~32:07/04/2023;33:CN ~31:202310685748.9 ~32:09/06/2023;33:CN ~31:202310911632.2 ~32:24/07/2023

2025/02670 ~ Complete ~54:ANTIBODY-DRUG CONJUGATES TARGETING GLYPICAN-3 AND METHODS OF USE ~71:ZYMEWORKS BC INC., 114 East 4th Avenue, Suite 800, Canada ~72: ALONZO MUNIZ, Diego Arturo;BARNSCHER, Stuart Daniel;BRANT, Michael G.;COLOMBO, Raffaele;DAS, Samir;HERNANDEZ ROJAS, Andrea;LASALLE, Manuel Michel Auguste;PETERSEN, Mark Edmund;PISCITELLI, Chayne L.;RICH, James R.;UROSEV, Dunja;WU, Alex Man Lai~ 33:US ~31:63/417,295 ~32:18/10/2022;33:US ~31:63/458,857 ~32:12/04/2023

2025/02672 ~ Complete ~54:METHODS AND SYSTEMS FOR PREDICTING CASH FLOW ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: CHEAH, Soon-Ee;DOAN, Tuan;DRIDAN, Rebecca;LAW, Brendan~ 33:AU ~31:2022903039 ~32:17/10/2022

2025/02678 ~ Complete ~54:A METHOD OF PROVIDING HIGH SPF TO A TOPICAL SURFACE OF A BODY ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ADITI JAYAVANT KULKARNI;ASHISH ANANT VAIDYA;JONISH VARSHNEY;KALAVATHI RAMANAN;PRAFUL GULAB RAO LAHORKAR~ 33:EP ~31:22202811.0 ~32:20/10/2022

2025/02648 ~ Complete ~54:EXTREMELY THIN DIAMOND COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF ~71:CHENGDU B-TO-O SUPERHARD MATERIALS CO., LTD., No.2119, Konggang 4th Road, Southwest Airport Economic Development Zone, China (Sichuan) Pilot Free Trade Zone, Shuangliu

District, Chengdu, Sichuan, 610200, People's Republic of China ~72: BINWEI YANG~ 33:CN ~31:202510188859.8 ~32:20/02/2025

2025/02649 ~ Complete ~54:INTELLIGENT PLANT MAINTENANCE METHOD, SYSTEM, DEVICE AND MEDIUM ~71:JINGTIANXIA ECOLOGICAL ENVIRONMENT TECHNOLOGY CO., LTD., No. 204, Block A, No. C, Ya'an Commercial Building, North Side of Dingsi Road, Beiqijia Town, Changping District, Beijing, 102200, People's Republic of China ~72: LING LI;MINYI XU;YAN LI;YANG SUO;YING LI~ 33:CN ~31:202410626339.6 ~32:20/05/2024

2025/02653 ~ Complete ~54:RNA MOLECULES ENCODING RSV-F AND VACCINES CONTAINING THEM ~71:PFIZER INC., 66 Hudson Boulevard East, New York, United States of America ~72: CHEN, Wei;DIAZ, Fernando Martin;SWANSON, Kena Anne~ 33:US ~31:63/381,238 ~32:27/10/2022;33:US ~31:63/585,254 ~32:26/09/2023

2025/02654 ~ Complete ~54:PREPARATION METHOD, PRODUCT, AND APPLICATION OF CELL MEMBRANE BIOMIMETIC DRUG DELIVERY SYSTEM TARGETING ATHEROSCLEROTIC LESIONS ~71:THE THIRD AFFILIATED HOSPITAL, GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU MEDICAL CENTER FOR CRITICAL PREGNANT WOMEN; GUANGZHOU ROUJI HOSPITAL), No.63 Duobao Road, Liwan District, Guangzhou, Guangdong, 510150, People's Republic of China ~72: HUANG, Jinzhu;HUANG, Jionghua;YIN, Jiayi~ 33:CN ~31:202510112295.X ~32:23/01/2025

2025/02663 ~ Complete ~54:METHANOL PROCESS ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 2 Gresham Street, LONDON EC2V 7AD, UNITED KINGDOM, United Kingdom ~72: GERMANI, Gabriele~ 33:GB ~31:2217131.8 ~32:16/11/2022

2025/02664 ~ Complete ~54:FORMULATIONS FOR ANTI-C1Q ANTIBODIES ~71:Annexon, Inc., 1400 Sierra Point Parkway, Building C, 2nd Floor, BRISBANE 94005, CA, USA, United States of America ~72: OLIYAI, Cecilia;THAI, Khoi~ 33:US ~31:63/414,206 ~32:07/10/2022

2025/02665 ~ Complete ~54:DOSING REGIMEN FOR TREATING PKU WITH A PIPERIDINE INHIBITOR OF SLC6A19 FUNCTION ~71:Jnana Therapeutics Inc., One Design Center Place, Suite 19-400, BOSTON 02210, MA, USA, United States of America ~72: BLANCHETTE, Heather Smith;THROUP, John Peter~ 33:US ~31:63/406,446 ~32:14/09/2022

2025/02673 ~ Complete ~54:METHOD FOR RECOVERING TEXTILE FIBRES FROM DISCARDED TEXTILE ITEMS AND ASSOCIATED PLANT ~71:IGERS S.R.L., Piazzale Luigi, Cadorna, 10 – 20123, Milan, Italy ~72: GIAN LUCA MICELI~ 33:IT ~31:102022000020394 ~32:04/10/2022

2025/02650 ~ Complete ~54:ENERGY STORAGE PRODUCT FOR HYBRID POWER GENERATION ~71:SHENZHEN WEIPENG CENTURY TECHNOLOGY CO., LTD., 3rd Floor, No. 2 Factory, Dayang Electric Factory, No. 4 Industrial Avenue, Tangwei Community, Fuhai Street, Baoan District, Shenzhen, Guangdong, 518103, People's Republic of China ~72: JING MA;QINGHUI HE;XIN WANG;YANG ZENG~ 33:CN ~31:202420881998.X ~32:26/04/2024

2025/02652 ~ Complete ~54:POWER GENERATION SYSTEM AND CONTROL METHOD ~71:SHANGHAI SIGEYUAN INTELLIGENT TECHNOLOGY CO., LTD., Room 513, 5/F, No. 175 Weizhan Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: QIN, Yijin;WANG, Kangyu;ZHOU, Tao~

2025/02656 ~ Complete ~54:VIEWING OPTIC WITH MAGNIFICATION TRACKING ~71:SHELTERED WINGS, INC. d/b/a VORTEX OPTICS, ONE VORTEX DRIVE, BARNEVELD, WI 53507, USA, United States of America

~72: BOLLIG, Garrison;CODY, Tom;HAMILTON, Sam;HAVENS, Calen;JAUCH, Keegan;KLEMM, Ian;LEWIS, Alexander;LOWRY, William;PALZKILL, Tony;RUE, Tim;SAUSEN, Zach;TAYLOR, Cory~ 33:US ~31:63/373,760 ~32:29/08/2022

2025/02660 ~ Complete ~54:REACTOR FUEL-LOADING AND REFUELING SYSTEM AND METHOD ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No.29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: HUANG, Shangqing;LI, Lei;LI, Mengzhi;LIN, Shaoxuan;LIU, Jianwen;LIU, Runfa;LIU, Yongjun;MAO, Fei;REN, Wenjun;SHAO, Changlei;TANG, Weihua;WENG, Chenyang;WU, Wei;ZHU, Xuefeng;ZHU, Ziqiang~ 33:CN ~31:202211138104.X ~32:19/09/2022

2025/02675 ~ Complete ~54:OXIDATIVE CLEAVAGE METHOD OF TROLOX AMIDE ~71:PTC THERAPEUTICS, INC., 500 Warren Corporate Center Drive, Warren, New Jersey, 07059, United States of America ~72: HIROTSUGU USUTANI;JUN HIRABAYASHI;KENJI YAMAMOTO~ 33:JP ~31:2022-158569 ~32:30/09/2022

2025/02677 ~ Complete ~54:A PERSONAL CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: TINGYAN MI;XUELAN GU~ 33:CN ~31:PCT/CN2022/131253 ~32:11/11/2022;33:EP ~31:22212379.6 ~32:09/12/2022

2025/02640 ~ Provisional ~54:AI-DRIVEN GAMIFICATION FRAMEWORK AND ADAPTIVE LEARNING MECHANICS FOR DIGITAL EDUCATION PLATFORMS ~71:Kabelo Diale, 7 Comet Street, South Africa;Tumelo Sapa Malekane, 12 St Francis Drive, South Africa ~72: Kabelo Diale;Tumelo Sapa Malekane~

2025/02641 ~ Provisional ~54:FLUSHFIZZ FRESH: ALL-IN-ONE TOILET SANITIZING & FRESHENING TABLET ~71:Privé Innovations, 72 Hamilton Avenue, South Africa ~72: David G. Gordon~

2025/02646 ~ Complete ~54:ARTIFICIAL INTELLIGENCE-BASED VETERINARY DIAGNOSIS ASSISTANCE SYSTEM ~71:GUANGXI VOCATIONAL UNIVERSITY OF AGRICULTURE, No. 176, Daxue East Road, Xixiangtang District, Nanning, Guangxi, People's Republic of China ~72: Gaochong Huang;Hong Tan;Junchang Li;Liuzhong Mo;Menghe Luo;Mingxu Zhou;Renfeng Huang;Rui Pan;Yanfeng Lu;Yunzhi Hu~ 33:CN ~31:2025102492850 ~32:04/03/2025

2025/02658 ~ Complete ~54:SYSTEM AND METHOD FOR MONITORING THE STATE OF A CONVEYOR BELT OF A CONVEYOR-BELT INSTALLATION, AND A CORRESPONDING CONVEYOR-BELT INSTALLATION ~71:SCHULTE STRATHAUS GMBH & CO. KG FÖRDERTECHNIK DICHTUNGSSYSTEME, Runtestrasse 42, Germany ~72: SCHULTE STRATHAUS, Michael~

. - APPLIED ON 2025/03/28 -

2025/02714 ~ Complete ~54:APPARATUSES AND METHOD FOR PREPARING A PAPER BAG ~71:DOWSON FOOD MACHINERY LIMITED, Spooner Industries Limited, Moorland Engineering Works, United Kingdom ~72: ALCOCK, William;CLARKE, Stephen;DIBB, Nickolas;HARSHA, Numburi;HOLLIDAY, Joseph;O'HARA, Sean~ 33:GB ~31:2213367.2 ~32:13/09/2022

2025/02716 ~ Complete ~54:STEAM TREATMENT OF WASTE ~71:SRU INNOVATIONS LTD, Broadoak House, Brantridge Lane, Staplefield Sussex, United Kingdom ~72: PEARCE, Alan Charles;WINTER, Natalie Adele~ 33:GB ~31:2212827.6 ~32:02/09/2022

2025/02718 ~ Complete ~54:A POST-HARVEST SOLUTION FOR AGRICULTURAL PRODUCE ~71:Decco Worldwide Post Harvest Holding BV, Tankhoofd 10, Vondelingenplaat, ROTTERDAM 3196 KE, THE NETHERLANDS, Netherlands ~72: HORDIJK, Jeanine~ 33:IN ~31:202211055970 ~32:29/09/2022

2025/02680 ~ Provisional ~54:ELECTRONIC PAYMENT SYSTEM ~71:DAVID NEIL HAGEMANN, 72 Saunton Road, Greenshields Park, Walmer, South Africa ~72: HAGEMANN, David Neil~

2025/02686 ~ Complete ~54:POWER GENERATION SYSTEM AND CONTROL METHOD ~71:SHANGHAI SIGEYUAN INTELLIGENT TECHNOLOGY CO., LTD., Room 513, 5/F, No. 175 Weizhan Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: QIN, Yijin;WANG, Kangyu;ZHOU, Tao~

2025/02689 ~ Complete ~54:COMPUTER SECURITY STATUS MONITORING AND PROCESSING DEVICE ~71:XINYU UNIVERSITY, NO. 2666 SUNSHINE AVENUE, HIGH TECH ZONE, XINYU CITY, People's Republic of China ~72: JIANG, Chunlin;LIU, Jinhua;WU, Shilan;XI, Jun;YANG, Chunrong~

2025/02693 ~ Complete ~54:DEVICE FOR MEASURING WATER AND FERTILIZER RETENTION OF SOIL SAMPLE ~71:NANCHANG INSTITUTE OF TECHNOLOGY, NO.289,TIANXIANG ROAD,NANCHANG CITY, People's Republic of China ~72: LI, Yanyan~

2025/02703 ~ Complete ~54:VEGF ANTIBODIES ~71:THE UNIVERSITY OF NOTTINGHAM, University Park, Nottingham, United Kingdom ~72: BATES, David~ 33:GB ~31:2215115.3 ~32:13/10/2022

2025/02705 ~ Complete ~54:ROOT CROP PLANTER ~71:TURNERLAND MANUFACTURING (PTY) LTD, Old Vredenburg Road, South Africa ~72: TURNER, Francois~ 33:ZA ~31:2022/05960 ~32:30/05/2022

2025/02697 ~ Complete ~54:STRUCTURE OF FLOOD DISCHARGE GATE FOR PUMPING STATION ~71:Handan zhangfuhe irrigation water supply management division, No. 2, Fuhe Street, Handan City, Hebei Province, 056002, People's Republic of China;Hohai University, No. 8 Focheng West Road, Jiangning District, Nanjing City, Jiangsu Province,China, Administrative Building B416, Jiangning Campus, Hohai University, 211106, People's Republic of China;Wuan hehu Changzhi technology service center, Northeast corner of the intersection of Qiaonan Street and Minghubei Road, Wu 'an City, Hebei Province, 056300, People's Republic of China ~72: Gao Cheng;Guo Hao;Guo Jie;Li Huayue;Luan Qinghua;Ma Luan;Wang Puxiu;Wu Wenfeng;You Yuanshan~ 33:CN ~31:2025203076383 ~32:25/02/2025

2025/02698 ~ Complete ~54:A POWER CONTROLLER ~71:BASIL WAYNE LOUIS LANYON PAUL, 8 The Knoll Street, Sunridge Park, Port Elizabeth, South Africa ~72: BASIL WAYNE LOUIS LANYON PAUL~

2025/02701 ~ Complete ~54:MEASUREMENT APPARATUS FOR BRAKING DISTANCE OF MINE FALL ARRESTER,AND MEASUREMENT METHOD THEREFOR ~71:ZHONGJIAN GROUP GONGXIN SECURITY TECHNOLOGY CO., LTD, No.1 Qingquan West Road, Shizhong District, Zaozhuang, Shandong, 277100, People's Republic of China ~72: YU, Yue~ 33:CN ~31:202311027029.4 ~32:16/08/2023

2025/02711 ~ Complete ~54:RESPIRATORY SYNCYTIAL VIRUS RECOMBINANT FUSION PROTEIN WITH PRE-FUSION CONFORMATION, PREPARATION METHOD AND USES THEREOF ~71:BEIJING BENEWILL TECHNOLOGY DEVELOPMENT CO.,LTD., Floor 2, Bohui Innovation building, No.9 Life Science Park Rd, Changping District, People's Republic of China ~72: HUANG, Qingrui;YAN, Jinghua;YANG, Mi~ 33:CN ~31:202211199073.9 ~32:29/09/2022

2025/02717 ~ Complete ~54:NOVEL CO-CRYSTAL OF ENAVOGLIFLOZIN ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil, Hyangnam-eup, Republic of Korea ~72: CHOI, Ji Soo;JI, Hye Young;LIM, Hyun Woo;YOON, Hee Kyoon;YOON, Youn Jung~ 33:KR ~31:10-2022-0123680 ~32:28/09/2022

2025/02731 ~ Complete ~54:USE OF C/EBP-BETA ANTAGONIST AND IMMUNOMODULATOR ~71:SAPIENCE THERAPEUTICS, INC., 520 White Plains Road, 2nd Floor, Tarrytown, New York 10591, United States of America ~72: BARRY JAY KAPPEL;CLAUDIO SCUOPPO;JIMMY ANDREW ROTOLO~ 33:US ~31:63/414,397 ~32:07/10/2022

2025/02755 ~ Complete ~54:SEQUENTIAL BALLOON PULSATING PULSATILE PUMP FOR ARTIFICIAL WOMB (AW), SYSTEM AND METHOD ~71:BEIJING UNIVERSITY OF TECHNOLOGY, No. 100, Pingleyuan, Chaoyang District, People's Republic of China;THE SEVENTH MEDICAL CENTER OF PLA GENERAL HOSPITAL, No.5, Nanmencang, DongCheng District, People's Republic of China ~72: GAO, Bin;HUANG, Jieting;KONG, Xiangyong;MA, Hongchao~ 33:CN ~31:202411882301.1 ~32:19/12/2024

2025/02730 ~ Complete ~54:TREATMENT USING A ONE-TO-STOP ATTENUATED SARS-COV-2 VIRUS ~71:INSTITUT FÜR VIROLOGIE UND IMMUNOLOGIE (IVI), Sensemattstrasse 293, 3147, Mittelhäusern, Switzerland;ROCKETVAX AG, Lautengartenstrasse 6, 4052, Basel, Switzerland;UNIVERSITÄT BERN, Verwaltungsdirektion Hochschulstrasse 6, 3012, Bern, Switzerland ~72: ANNIKA KRATZEL;BETTINA SALOME TRUEB;DONATA HOFFMANN;FABIEN LABROUSSAA;GÜLIZ TUBA BARUT;JACOB SCHÖN;JÖRG JORES;LORENZ ULRICH;MARTIN BEER;NADINE EBERT;NICO JOEL HALWE;VOLKER THIEL~ 33:EP ~31:22201198.3 ~32:12/10/2022;33:EP ~31:PCT/EP2023/058069 ~32:28/03/2023;33:EP ~31:23185420.9 ~32:13/07/2023

2025/02727 ~ Complete ~54:A SOLID CLEANING AND DISINFECTION COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANINDITA HALDER;SAMEER KESHAV BARNE;SAMIRAN MAHAPATRA;SHANTHI APPAVOO;VISHAL KUMAR TRIVEDI~ 33:EP ~31:22198776.1 ~32:29/09/2022

2025/02728 ~ Complete ~54:PHARMACEUTICAL COMBINATION OF FAK INHIBITOR AND SUBSTANCE FOR INDUCING IMMUNOGENIC CELL DEATH AND USE ~71:INXMED (NANJING) CO., LTD., Floor 3, Building 16-D-2, No.73 Shuwu, Tanmi Road, Jiangbei New District, Nanjing, Jiangsu, 210061, People's Republic of China ~72: BAOYUAN ZHANG;PING ZHANG;RAN PANG;XUEBIN LIU;ZAIQI WANG~ 33:CN ~31:202211211068.5 ~32:30/09/2022;33:CN ~31:202311207394.3 ~32:19/09/2023

2025/02724 ~ Complete ~54:4-(3,8-DIAZABICYCLO[3.2.1]OCTAN-3-YL)-7-NAPHTHALENE-PYRIDO[4,3-D]PYRIMIDINE DERIVATIVES AS INHIBITORS OF THE KRAS(G12D) MUTANT ONCOPROTEINE FOR THE TREATMENT OF CANCER ~71:Ranok Therapeutics (Hangzhou) Co. Ltd., Suite 1005, Building 1, 501 2nd Avenue, Hangzhou Eco-Tech, Development Area, HANGZHOU 310000, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: DAI, Yan;FOLEY, Kevin P.;LI, Jinhua;MA, Liang;PRINCE, Thomas;WANG, Guoqiang;WANG, Yaya;WANG, Zhiyong;YIN, Wei;YING, Chenghao;YING, Weiwen~ 33:IB ~31:2022/118115 ~32:09/09/2022

2025/02725 ~ Complete ~54:COMBINATION OF SGLT2 INHIBITORS AND MINERALCORTICOID RECEPTOR MODULATORS FOR USE IN TREATMENT OF CARDIORENAL DISEASES ~71:AstraZeneca AB, SÖDERTÄLJE SE-151 85, SWEDEN, Sweden ~72: HJÄRTSTAM, Johan;KARLSSON, Christer;KARLSSON, Eva~ 33:US ~31:63/374,257 ~32:01/09/2022;33:US ~31:63/520,952 ~32:22/08/2023

2025/02732 ~ Complete ~54:COMPUTER-AIDED THERAPY FOR TREATING INSULIN RESISTANCE AND/OR RESTORING GLUCOSE HOMEOSTASIS IN A SUBJECT IN NEED ~71:PALTECH, 5 avenue du Général Tripier, 75007, Paris, France ~72: CHARLES-HENRI MALBERT;MAURICE REGINALD ALLOUCHE~ 33:IB ~31:PCT/IB2022/000548 ~32:30/09/2022

2025/02682 ~ Provisional ~54:AUTOMATED MUSIC TRACKING SYSTEM ~71:CHARMAINE KEOBAKILE MMAPELA MABOTJA, 915 BLOCK C, South Africa ~72: CHARMAINE KEOBAKILE MMAPELA MABOTJA~ 33:ZA ~31:0000 ~32:27/03/2025

2025/02683 ~ Complete ~54:AN APPLICATION METHOD OF FIREPROOF AND THERMAL INSULATION MATERIALS WITH DIFFERENT FIRE RESISTANCE LEVELS ON OCEAN-GOING VESSELS ~71:China State Shipbuilding Corporation Limited, Research Institute 719, No. 19 Yangqiao Lake Avenue, Canglong Island Development Zone, Jiangxia District, Wuhan City, Hubei Province, 430205, People's Republic of China ~72: Chen Jie;Li Sheng;Liu Zhongming;Wang Ting;Xiao Bo;Xin Zhuoxuan;Yang Luchun~ 33:CN ~31:2024117052079 ~32:26/11/2024

2025/02685 ~ Complete ~54:METHOD FOR EARLY WARNING OF COAL MINE WATER HAZARDS CAUSED BY RISING GROUNDWATER LEVELS ~71:Suzhou University, No. 1769 Xuefu Avenue, Suzhou City, Anhui Province (Education Park Campus), People's Republic of China ~72: DAI Hongbao;DAI Shanshan;XU Jiying;YU Kai;ZHANG Haitao~

2025/02690 ~ Complete ~54:SOIL SAMPLING DEVICE FOR MINE ENVIRONMENTAL TREATMENT ~71:SICHUAN WATER CONSERVANCY VOCATIONAL COLLEGE, NO. 366 YONGHE AVENUE, CHONGZHOU CITY, CHENGDU, People's Republic of China ~72: ZHAO, Zhengbao~

2025/02721 ~ Complete ~54:ANTIBODIES THAT BIND CD228 ~71:Seagen Inc., 21823 30th Drive SE, BOTHELL 98021, WA, USA, United States of America ~72: HEISER, Ryan;SANDALL, Sharsti;SCHERER, Erin~ 33:US ~31:63/408,605 ~32:21/09/2022

2025/02679 ~ Provisional ~54:SYSTEM AND METHOD FOR TRACKING AND REWARDING A USER'S ENGAGEMENT IN A STREAMING SERVICE ~71:DISCOVER SPORT (PTY) LTD, 76 Kyalami Boulevard, Kyalami Park, Midrand, South Africa ~72: WATSON, Stephen~

2025/02681 ~ Provisional ~54:SPIKE CONTROL ALERTS - 920510 ~71:Maggy Dube, 917 Block M, Soshanguve, South Africa ~72: Maggy Dube~

2025/02687 ~ Complete ~54:A VEGAN EGG POWDER ~71:SYLVIA MALEROTHODI MASEKO, 11706 POPLAR STREET, KAGISO EXTENSION 6 KRUGERSDORP, South Africa ~72: SYLVIA MALEROTHODI MASEKO~

2025/02699 ~ Complete ~54:BARCODING OF NUCLEIC ACIDS ~71:REVVITY HOLDINGS, INC., 77 4th Avenue, Waltham, Massachusetts, 02451, United States of America ~72: MELINDA JASPER;STEVEN MYERS~ 33:AU ~31:2018903923 ~32:17/10/2018

2025/02702 ~ Complete ~54:ANTIGEN BINDING PROTEINS ~71:ViiV HEALTHCARE UK (No.5) LIMITED, GSK Medicines Research Centre, Gunnels Wood Road, United Kingdom ~72: ARNOULT, Eric;HU, Tiancen;KRYSTAL, Mark R.;SCHAWALDER, James~ 33:US ~31:63/421,737 ~32:02/11/2022

2025/02707 ~ Complete ~54:METHODS FOR NEUROENDOCRINE CANCER DETECTION IN SALIVA ~71:LIQUID BIOPSY RESEARCH LLC, Hunkins Waterfront Plaza, P.O. Box 556, Main Street, Saint Kitts and Nevis ~72: DROZDOV, Ignat;KIDD, Mark;MODLIN, Irvin Mark~ 33:US ~31:63/377,808 ~32:30/09/2022

2025/02710 ~ Complete ~54:A SYSTEM AND METHOD OF FOR PROCESSING A BODY OF PRODUCT ~71:THE WARB TRUST (No.1 TRUST 13337/99), 4 Tambotie Street, Homelake, South Africa ~72: ALTMANN, Werner Hartmut;BUISMAN, Reindert~ 33:ZA ~31:2022/11472 ~32:20/10/2022

2025/02712 ~ Complete ~54:NOVEL CRYSTALLINE FORM OF ENAVOGLIFLOZIN, AND PREPARATION METHOD THEREFOR ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil,

Hyangnam-eup, Republic of Korea ~72: CHOI, Ji Soo;JI, Hye Young;LIM, Hyun Woo;YOON, Hee Kyoon;YOON, Youn Jung~ 33:KR ~31:10-2022-0123673 ~32:28/09/2022

2025/02715 ~ Complete ~54:COMPOUND - DIAGNOSTIC MARKER FOR OVARIAN CANCER, METHOD FOR DETECTING ENZYMATIC ACTIVITY, METHOD FOR DIAGNOSIS OF OVARIAN CANCER, KIT COMPRISING THE COMPOUND, USES OF THE COMPOUND AND METHOD FOR THE TREATMENT OF OVARIAN CANCER ~71:URTESTE S.A., Ul. Starodworska 1, Poland ~72: GRUBA, Natalia;LESNER, Adam~ 33:PL ~31:P.442379 ~32:28/09/2022

2025/02722 ~ Complete ~54:SURGE PROTECTION DEVICE, MOV WITH INTEGRATED SHORT CIRCUIT PROTECTION, INSERTION SYSTEM AND ARC SHIELD ~71:Mersen USA EP Corp., 400 Myrtle Avenue, BOONTON 07005, NJ, USA, United States of America ~72: BALADA, German;COMELLAS, Jordi;COSTA, Toni;LOPEZ, Victor;NUNEZ, Sergio~ 33:US ~31:63/411,962 ~32:30/09/2022

2025/02684 ~ Complete ~54:METHOD FOR PREPARING POLYTHIOPHENE ELECTROCHROMIC THIN FILM AND APPLICATION THEREOF ~71:Shanghai Polytechnic University, No. 2360 Jinhai Road, Pudong new district, Shanghai city, People's Republic of China ~72: HE Kangwen;LI Tianhao;XIN Hui;YANG Lin;ZHU Luping;ZHU Xiangrong~

2025/02691 ~ Complete ~54:ULTRASONIC DIAGNOSIS EXAMINATION BED CONVENIENT TO ADJUST ~71:THE FIRST AFFILIATED HOSPITAL OF WANNAN MEDICAL COLLEGE, NO.2 ZHESHAN WEST ROAD, WUHU CITY, People's Republic of China ~72: PENG, Kai;SHEN, Yeqin;ZHANG, Xuan;ZHAO, Zunjiang~

2025/02692 ~ Complete ~54:SURGICAL AUXILIARY OPERATING DEVICE ~71:THE FIRST AFFILIATED HOSPITAL OF XINXIANG MEDICAL UNIVERSITY, NO. 88 JIANKANG ROAD, WEIHUI CITY, People's Republic of China ~72: ZHANG, Peiyong~ 33:CN ~31:2024110694807 ~32:05/08/2024

2025/02696 ~ Complete ~54:FISH SORTING DEVICE APPLIED TO DEEP-SEA AQUACULTURE ~71:Jiangsu Ocean University, No.59 Cangwu Road, Haizhou District, Lianyungang City, Jiangsu Province, People's Republic of China ~72: CHEN Hongyu;CHEN Qiufan;DING Yunfei;LI Chuyang;XU Shuai~

2025/02700 ~ Complete ~54:METHOD FOR EXTRACTING POLYPHENOL FROM APPLE POMACE ~71:Shandong Agricultural University, 61 Daizong Street, Tai'an City, Shandong Province, 271018, People's Republic of China;Shandong Agriculture and Engineering University, East of Zhudian, Honglou Town, Dongfeng Street, Jinan, Shandong Province, People's Republic of China;Shandong Provincial Agriculture and Rural Development Research Center, Jiefang Road No.15, Lixia District, Jinan, Shandong Province, People's Republic of China ~72: Guodong Li;Wensheng Gao;Xu Qin;Yahui Xu;Zhaosheng Wang;Zihui Jia~ 33:CN ~31:2025102793152 ~32:11/03/2025

2025/02704 ~ Complete ~54:COMBINATION OF TALAZOPARIB AND ENZALUTAMIDE IN THE TREATMENT OF METASTATIC CASTRATION-RESISTANT PROSTATE CANCER ~71:ASTELLAS PHARMA INC., 2-5-1 Nihonbashi-Honcho Chuo-Ku, Japan;PFIZER INC., 66 Hudson Boulevard East, New York, United States of America ~72: CZIBERE, Akos Gabor;KENNEDY, Dana Ann;KOEHLER, Maria Teresa;MEECH, Sandra Jean;WANG, Fong~ 33:US ~31:63/412,520 ~32:02/10/2022;33:US ~31:63/434,465 ~32:21/12/2022;33:US ~31:63/445,886 ~32:15/02/2023;33:US ~31:63/470,761 ~32:02/06/2023

2025/02706 ~ Complete ~54:ROOT CROP HARVESTER ~71:TURNERLAND MANUFACTURING (PTY) LTD, Old Vredenburg Road, South Africa ~72: TURNER, Francois~ 33:ZA ~31:2022/05961 ~32:30/05/2022

2025/02708 ~ Complete ~54:METHODS OF PREPARING CARBAMATE DERIVATIVES ~71:NODTHERA LIMITED, The Mansion, Chesterford Research Park, Little Chesterford, Saffron Walden, United Kingdom ~72: GE, Yonghui;READER, Valerie;ZHONG, Chengyang~ 33:CN ~31:PCT/CN2022/123712 ~32:05/10/2022

2025/02713 ~ Complete ~54:RESPIRATORY SYNCYTIAL VIRUS RECOMBINANT FUSION PROTEIN WITH PRE-FUSION CONFORMATION, PREPARATION METHOD AND USES THEREOF ~71:BEIJING BENEWILL TECHNOLOGY DEVELOPMENT CO.,LTD., Floor 2, Bohui Innovation building, No.9 Life Science Park Rd, Changping District, People's Republic of China ~72: HUANG, Qingrui;YAN, Jinghua;YANG, Mi~ 33:CN ~31:202211199603.X ~32:29/09/2022

2025/02719 ~ Complete ~54:BEVERAGE OR FOODSTUFF PREPARATION SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: NOTH, André~ 33:EP ~31:22194001.8 ~32:05/09/2022

2025/02688 ~ Complete ~54:HIGH-FLUX PLANT TISSUE CULTURE BOX ~71:HANGZHOU XIAOSHAN TECHNICIAN COLLEGE, NO. 448 TONGHUI SOUTH ROAD, XIAOSHAN DISTRICT, HANGZHOU CITY, People's Republic of China ~72: HE, Yingli;SHI, Chunyan;ZHAN, Jing~

2025/02694 ~ Complete ~54:SELF-GRAVITY DRY MAGNETIC SEPARATION SHAKING TABLE AND ITS APPLICATION IN MAGNETIC MINERAL SEPARATION ~71:Kunming University of Science and Technology, No.68 Wenchang Road, 121 Avenue, Kunming City, Yunnan Province, People's Republic of China ~72: Changtao WANG;Chuandong ZHAO;Huxiao XIA;Qiang SONG;Xian XIE;Xiong TONG;Yuanlin MA~ 33:CN ~31:2025100622046 ~32:15/01/2025

2025/02695 ~ Complete ~54:SOIL CRUST SEPARATION AND ANALYSIS SYSTEM ~71:Hohai University, No.1 Xikang Road, Gulou District, Nanjing City, Jiangsu Province, 210024, People's Republic of China ~72: Daming Yang;Dongli She;Hongde Wang;Xiaoqin Sun;Xuan Huang~

2025/02709 ~ Complete ~54:PROCESS AND PLANT FOR THE DECOMPOSITION OF A RARE EARTH-BEARING MINERAL ~71:PENSANA PLC, CN 12206525, Rex House, 4 Regent St, United Kingdom;THE WARB TRUST (No.1 TRUST 13337/99), 4 Tambotie Street, Homelake, South Africa ~72: BUISMAN, Reindert;GEORGE, Timothy Ralph~ 33:ZA ~31:2022/11708 ~32:27/10/2022

2025/02729 ~ Complete ~54:SYNTHESIS OF DERIVATIVES OF SIPHONOCHILONE AND THERAPEUTIC USE THEREOF ~71:UNIVERSITY OF PRETORIA, Corner Lynnwood Road and Roper Street Hatfield 0002, Pretoria, Gauteng, South Africa ~72: LUKE INVERNIZZI;PHANANKOSI MOYO;VINESH MAHARAJ~ 33:ZA ~31:2022/11187 ~32:13/10/2022

2025/02720 ~ Complete ~54:ROLL CRUSHER WITH ADJUSTABLE CRUSHING GAP ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: ELLERMANN, Raul Eduardo;KOCH, Tobias;SZCZELINA, Piotr~ 33:DE ~31:10 2022 125 159.4 ~32:29/09/2022;33:LU ~31:LU502855 ~32:29/09/2022

2025/02723 ~ Complete ~54:A SCALABLE METHOD FOR PRODUCING RETINAL PIGMENT EPITHELIUM (RPE) CELLS ~71:EYESTEM RESEARCH PRIVATE LIMITED, Ground Floor, Centre for Cellular and Molecular Platforms (C-CAMP), GKVK Post, BENGALURU 560065, KARNATAKA, INDIA, India ~72: PAL, Rajarshi;SOUNDARARAJAN, Lalitha;SUBRAMANI, Janavi;SURENDRAN, Harshini~ 33:IN ~31:202241058893 ~32:14/10/2022

2025/02726 ~ Complete ~54:TEAD INHIBITORS AND METHODS OF USES THEREOF ~71:Insilico Medicine IP Limited, 26th Floor, Three Exchange Square, 8 Connaught Place Central, HONG KONG, CHINA (P.R.C.),

People's Republic of China ~72: DING, Xiao;LIU, Jinxin;REN, Feng;WAN, Jianfei;ZHU, Wei~ 33:IB ~31:2022/122654 ~32:29/09/2022;33:IB ~31:2023/078150 ~32:24/02/2023;33:IB ~31:2023/112540 ~32:11/08/2023

2025/02756 ~ Complete ~54:FOOT MECHANISM WITH CROSS UNIVERSAL JOINT FOR FOOT-TYPE WALKING ROBOT ~71:INNER MONGOLIA FIRST MACHINERY GROUP CORPORATION CO.,LTD., No. 2 Mailbox, Qingshan District, Baotou, People's Republic of China ~72: BAO, Chunwei;GAO, Junfeng;MIAO, Liwu;WANG, Liang;XU, Zhenyu;YIN, Shuai;YUAN, Ke~ 33:CN ~31:202211048925.4 ~32:30/08/2022

. - APPLIED ON 2025/03/31 -

2025/02735 ~ Provisional ~54:PRODUCTION OF METAL ORGANIC FRAMEWORKS (MOFS) ~71:CSIR, Scientia, Meiring Naude Road, Brummeria, Pretoria, 0184, South Africa ~72: MIKE MASUKUME;NICHOLAS MUSYOKA;SIMPHIWE NCWANE;THEMBELIHLE MEHLO;TSHIDZANI MAVHUNGU~

2025/02738 ~ Complete ~54:CLEANING DEVICE FOR SIMULATED SAND TABLE TEACHING AIDS USED IN ACCOUNTING TEACHING ~71:Suzhou University, Erpu Village, Zhuxianzhuang Town, Yongqiao District, Suzhou, Anhui, People's Republic of China ~72: Yaliu Yang~

2025/02747 ~ Complete ~54:IMPEDANCE SPECTROSCOPY TESTING FIXTURE OF THERMAL BARRIER COATINGS ~71:Guangdong Academy of Sciences Industrial Analysis and Testing Center, No. 363 Changxing Road, Tianhe District, Guangzhou City, Guangdong Province, 510651, People's Republic of China ~72: CHEN, Wenlong;GUO, Li;HUANG, Qiuling;JIAN, Sicong;LU, Fengchi;MA, Yanfang;SHI, Changliang;WU, Wei;XIE, Yongxin~

2025/02748 ~ Complete ~54:SEALING ARRANGEMENT FOR A FORM FILL SEAL MACHINE ~71:THE CHAR ASSET TRUST, 6 Huskisson Street, Vrykyk, South Africa ~72: LE ROUX, Etienne~

2025/02741 ~ Complete ~54:3D PRINTED TUNNEL MODEL FOR TEST OF MULTI-PILOT-TUNNEL EXCAVATION PROCESS OF SUPER-LONG-SPAN TUNNELS ~71:China Railway 24Th Bureau Group Corporation Limited, No. 8 Handan Road, Yangpu District, Shanghai, 200082, People's Republic of China;China Railway Construction 24Th Bureau Group Southwest Construction Co. Ltd, No. 58, Huasheng Road, Chenghua District, Chengdu, Sichuan Province, 610000, People's Republic of China;Chongqing Jiaotong University, No.66 Xuefu Avenue, Nan'an District, Chongqing, 400074, People's Republic of China;Liaoning Technical University, No. 47 Zhonghua Rd, Xihe District, Fuxin, Liaoning Province, 123000, People's Republic of China ~72: Bin XU;Hangyu LI;Hao WU;Hua ZOU;Liangliang OU;Long FENG;Mengliu Duan;Shasha LU;Shuzhen QIN;Tianwen DONG;Xiaofei LI;Yuji LI;Zerong YI~

2025/02742 ~ Complete ~54:WEATHER FORECAST LEARNING SYSTEM BASED ON ARTIFICIAL INTELLIGENCE ALGORITHM ~71:Guangxi Meteorological Science Research Institute, No. 81 Minzu Avenue, Qingxiu District, Nanning City, Guangxi Zhuang Autonomous Region, 530022, People's Republic of China;Yunnan Natural Disaster Defense Technology Research and Development Center, Chengdu University of Information Technology, No. 77 Xichang Road, Kunming City, Yunnan Province, 650034, People's Republic of China ~72: CHEN, Feisheng;JIANG, Fuyuan;LI, Mingzhi;LIANG, Yuanyuan;LIU, Zejun;LU, Weiping;MENG, Dan;TAN, Fei;WEI, Chunxia;XIE, Liyan~ 33:CN ~31:202510206850.5 ~32:25/02/2025

2025/02743 ~ Complete ~54:A FRONT PILLAR FOR A VEHICLE ~71:MAHINDRA & MAHINDRA LIMITED, Mahindra Research Valley, Mahindra World City, Plot No.41/1, Anjur P.O. Kanchipuram District, India ~72: ATTAR, Arifulla;B KUMAR, Uthish;S, Sakthivel;VASU, Sugan~ 33:IN ~31:202441056707 ~32:25/07/2024

2025/02744 ~ Complete ~54:ADVANCED MATHEMATICAL PLOTTER ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: ZHOU Shuke~

2025/02750 ~ Complete ~54:COMPOSITIONS AND METHODS OF INHIBITING MASP-3 FOR THE TREATMENT OF VARIOUS DISEASES AND DISORDERS ~71:Omeros Corporation, 201 Elliott Avenue West, SEATTLE 98119, WA, USA, United States of America;University of Leicester, University Road, LEICESTERSHIRE LEI 7RH, UNITED KINGDOM, United Kingdom ~72: CUMMINGS, W. Jason;DEMOPULOS, Gregory A.;DUDLER, Thomas;SCHWAEBLE, Hans-Wilhelm;TJOELKER, Larry W.;WOOD, Christi L.;YABUKI, Munehisa~ 33:US ~31:62/369,674 ~32:01/08/2016;33:US ~31:62/419,420 ~32:08/11/2016;33:US ~31:62/478,336 ~32:29/03/2017

2025/02751 ~ Complete ~54:COMPOSITIONS AND METHODS OF INHIBITING MASP-3 FOR THE TREATMENT OF VARIOUS DISEASES AND DISORDERS ~71:Omeros Corporation, 201 Elliott Avenue West, SEATTLE 98119, WA, USA, United States of America;University of Leicester, University Road, LEICESTERSHIRE LEI 7RH, UNITED KINGDOM, United Kingdom ~72: CUMMINGS, W. Jason;DEMOPULOS, Gregory A.;DUDLER, Thomas;SCHWAEBLE, Hans-Wilhelm;TJOELKER, Larry W.;WOOD, Christi L.;YABUKI, Munehisa~ 33:US ~31:62/369,674 ~32:01/08/2016;33:US ~31:62/419,420 ~32:08/11/2016;33:US ~31:62/478,336 ~32:29/03/2017

2025/02752 ~ Complete ~54:POCKET COIL SPRING ASSEMBLY INCLUDING FLEXIBLE FOAM ~71:SEALY TECHNOLOGY, LLC, One Office Parkway, Trinity, North Carolina, 27370, United States of America ~72: BRIAN M MANUSZAK;DARIN T THOMAS;LARRY K DEMOSS;STEPHEN WALLACE~ 33:US ~31:62/579,209 ~32:31/10/2017

2025/02753 ~ Complete ~54:TRANSPORTATION DEVICE USED TO TRANSPORT MACHINERY WITH CONTINUOUS TRACKS ~71:Andre Nel, Unit 27 Circuit Close, 7 Circuit Road, Beyerspark, South Africa ~72: Andre Nel~

2025/02754 ~ Complete ~54:PORTABLE DATA LOGGER AND COMMUNICATION SYSTEM ~71:DE BEER, Johannes Paulus, Verdi St. 594, Constantia Park, South Africa;DE WITT, Sarel Jacobus, Verdi St. 594, Constantia Park, South Africa ~72: DE BEER, Johannes Paulus;DE WITT, Sarel Jacobus~

2025/02758 ~ Complete ~54:PROCESS TO PRODUCE A MELT OF UREA AND BIURET AND SYSTEM TO PRODUCE SUCH A MELT ~71:YARA INTERNATIONAL ASA, Drammensveien 131, Norway ~72: DE VRIES, Pieter;LAM, Robert;MOHAN, Anand;PIRRO, Laura;VAN BELZEN, Ruud;VAN DE WALLE, Tom~ 33:EP ~31:22207875.0 ~32:16/11/2022

2025/02759 ~ Complete ~54:A DEPTH CAMERA-BASED CONTROL METHOD FOR NUCLEAR POWER OILING SIX-AXIS ROBOTIC ARM(MACHINE TRANSLATION) ~71:HAINAN NUCLEAR POWER CO., LTD, P.O.BOX 1208, CHANGJIANG COUNTY, People's Republic of China;HEXIN INFORMATION TECHNOLOGY(BEIJING)CO., LTD., Yard No. 1, Saoziying, Haidian District, People's Republic of China;ZHEJIANG UNIVERSITY, No.866, Yuhangtang Road, Xihu District, Hangzhou, People's Republic of China ~72: CHEN, Jianxin;HAN, Pei;HE, Qiongrui;JU, Bingfeng;LIN, Weifeng;MENG, Chengshui;SUN, Anyu;WANG, Deying;WANG, Qichao;WU, Tong;XIA, Hao;YU, Zhenpeng;ZHANG, Chengliang;ZHANG, Chuan;ZHANG, Luyin~ 33:CN ~31:202411946175.1 ~32:27/12/2024

2025/02761 ~ Complete ~54:LACTATE ENHANCING COMPOUNDS AND USES THEREOF ~71:Gliapharm SA, Chemin des Mines 9, GENÈVE 1202, SWITZERLAND, Switzerland ~72: DUVEY, Guillaume;FINSTERWALD, Charles;LENGACHER, Sylvain;MAAG, Hans;MAGISTRETTI, Pierre;RITCHIE, Timothy~ 33:EP ~31:22199427.0 ~32:03/10/2022

2025/02762 ~ Complete ~54:BRAZED LAP JOINT, METHOD FOR MANUFACTURING BRAZED LAP JOINT, AND VEHICLE COMPONENT ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan ~72: FURUSAKO, Seiji;ISHIDA , Yoshinari;KODAMA, Shinji;MATSUBA, Masahiro~ 33:JP ~31:2022-206635 ~32:23/12/2022

2025/02764 ~ Complete ~54:TOWER OF A WIND TURBINE ~71:Nordex Energy SE & Co. KG, Langenhorner Chaussee 600, HAMBURG 22419, GERMANY, Germany;Nordex Energy Spain, S.A.U., Poligono Industrial Barasoain, Parcela 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: ARLABAN, Teresa;GARCÍA MAESTRE, Iván;GARDUÑO, Aitor;GONZALEZ, Miguel;RUBIO GUILLEN, Iñigo;VARELA, Fernando~ 33:EP ~31:22382884.9 ~32:27/09/2022;33:EP ~31:22382885.6 ~32:27/09/2022;33:EP ~31:23382633.8 ~32:21/06/2023

2025/02776 ~ Provisional ~54:THE SCHOOL SHOE THAT EXPANDS (FLEXISTEP) ~71:Charne Amy Verster, 85 Thornhill Drive, South Africa ~72: Charne Amy Verster~

2025/02733 ~ Provisional ~54:ELECTRONIC MOBILE MONEY BOX ~71:Marvin Ansley Domingo, Park Gardens No12, 162 Van Riebeeck Avenue, South Africa ~72: Marvin Ansley Domingo~ 33:ZA ~31:01 ~32:29/03/2025

2025/02739 ~ Complete ~54:PORTABLE MULTI-MODE SMART TEST STRIP (PMSTS) AND SYSTEM THEREOF ~71:Mr. Amit Onkarnath Yadav, Survey No 126, Mahatma Gandhi Nagar, Deluxe Road, Opp/ Sindoor Jewelers, Pimpri, Pune – 411017, Pune, India;Yogesh Pralhadrao Patil, Room No 011, Engineering Chemistry, AISSMS Institute of Information Technology, Kennedy Road, Pune - 411001, Pune, India ~72: Mr. Amit Onkarnath Yadav;Yogesh Pralhadrao Patil~

2025/02740 ~ Complete ~54:A BODY FRAME OF A VEHICLE ~71:MAHINDRA & MAHINDRA LIMITED, Mahindra Research Valley, Mahindra World City, Plot No.41/1, Anjur P.O., India ~72: K, Krishna Kumar;NAMANI, Prasad;NIVESH, Dharun;RAMARAJ, Rajasekar;ROJESH, CR~ 33:IN ~31:202541005627 ~32:23/01/2025

2025/02760 ~ Complete ~54:SYSTEM AND METHOD FOR AUTOMATICALLY POSITIONING AND ADJUSTING MAGNETIC LEVITATION FUNCTIONAL PIECE OF TRACK BEAM ~71:China Railway 23rd Bureau Group Co., Ltd, Room 508,5th Floor,Building #1,No.530 of Middle Tianfu Avenue,Chengdu High-tech Zone,China (Sichuan) Pilot Free Trade Zone, Chengdu, People's Republic of China;China Railway 23rd Bureau Group Rail Transit Engineering Co., Ltd, Workshop 1,2nd Floor,Building 4,No. 386 Pinggang Road,Lingang New Area,China (Shanghai) Pilot Free Trade Zone, Shanghai, People's Republic of China ~72: Bin TAN;Dayuan LI;Hongwu XIAO;Hongyi CHEN;Jieyong LI;Weiwang PAN;Yang CHENG;Yanlong LIU~ 33:CN ~31:2024105707188 ~32:09/05/2024

2025/02771 ~ Complete ~54:METHOD OF IMPROVING OUTCOMES OF DERMAL TATTOOS AND TATTOO REMOVAL PROCEDURES ~71:Bio Med Sciences, Inc., 999 Postal Road, ALLENTOWN 18109, PA, USA, United States of America ~72: DILLON, Mark E.~ 33:US ~31:63/392,696 ~32:27/07/2022

2025/02772 ~ Complete ~54:RECYCLING OF MEMBRANE COMPONENTS FOR FUEL CELLS AND ELECTROLYSERS ~71:Johnson Matthey Public Limited Company, 5th Floor, 2 Gresham Street, LONDON EC2V 7AD, UNITED KINGDOM, United Kingdom ~72: GORDON, Ross;HART, Gareth~ 33:GB ~31:2218970.8 ~32:15/12/2022

2025/02736 ~ Complete ~54:PROGNOSTIC MODEL FOR PATIENTS WITH METASTATIC BREAST CANCER BASED ON IMMUNE-RELATED GENES, CONSTRUCTION METHOD AND APPLICATIONS THEREOF ~71:AFFILIATED HOSPITAL OF NANTONG UNIVERSITY, No.20, Xisi Road, Nantong City, People's Republic of China ~72: MAO, Kai;WANG, Chongyu;WANG, Qingqing;XIE, Chenyu;XU, Lijun;YANG, Qinyi;ZHU, Huixia~ 33:CN ~31:2024119135409 ~32:24/12/2024

2025/02757 ~ Complete ~54:PHTHALAZINE DERIVATIVES AS PYRUVATE KINASE MODULATORS ~71:SITRYX THERAPEUTICS LIMITED, 101 Bellhouse Building, Magdalen Centre, United Kingdom ~72: BARBA, Oscar;COUSIN, David~ 33:GB ~31:PCT/GB2022/052781 ~32:04/11/2022

2025/02763 ~ Complete ~54:A NOVEL EXPRESSION PLATFORM FOR STABLE AND HIGH TITER MASS PRODUCTION OF RECOMBINANT PROTEIN ~71:Ilko Ilac Sanayi ve Ticaret A.S., Veysel Karani Mah. Colakoglu Sok. No:10, Kat: 7-8-9 Sancaktepe, INSTANBUL 34885, TURKEY, Turkey ~72: DAGLIKOCA, Duygu;DENIZ, Beyzanur;KARABULUT, Dilan;ONCEL, Hatice;OZKAN, Aylin;PINARBASLI, Onur;SARRACOGLU, Nagehan;SIMSEK, Busra~

2025/02746 ~ Complete ~54:MONITORING DEVICE FOR SAFETY PRODUCTION EMERGENCY MANAGEMENT ~71:Wuxi University, No. 333, Xishan Avenue, Xishan District, Wuxi City, Jiangsu Province, 214105, People's Republic of China ~72: JIANG Xiaoyuan;XUE Yuhan;ZOU Yanhua~

2025/02766 ~ Complete ~54:METHODS AND PRODUCTS FOR BIOMARKER IDENTIFICATION ~71:Wobble Genomics Limited, Suite 2, Ground Floor, Orchard Brae House, 30 Queensferry Road, EDINBURGH EH4 2HS, UNITED KINGDOM, United Kingdom ~72: KUO, Richard Izen~ 33:GB ~31:2215579.0 ~32:21/10/2022

2025/02769 ~ Complete ~54:A DRAWER SYSTEM AND COMPONENTS OF A DRAWER SYSTEM ~71:WANG, Guanwen, 61 Waratah Avenue, BELGRAVE 3160, VICTORIA, AUSTRALIA, Australia ~72: GE, Deenke;WANG, Guanwen~ 33:CN ~31:202310966382.2 ~32:02/08/2023;33:AU ~31:2023258425 ~32:02/11/2023;33:AU ~31:2024902162 ~32:12/07/2024

2025/02734 ~ Provisional ~54:A SYSTEM FOR DETECTING A DRUG IN A BEVERAGE ~71:UNIVERSITY OF JOHANNESBURG, Cnr. Kingsway and University Roads, Auckland Park, South Africa ~72: CHETTY, Preshen~

2025/02749 ~ Complete ~54:COMPOSITIONS AND METHODS OF INHIBITING MASP-3 FOR THE TREATMENT OF VARIOUS DISEASES AND DISORDERS ~71:Omeros Corporation, 201 Elliott Avenue West, SEATTLE 98119, WA, USA, United States of America;University of Leicester, University Road, LEICESTERSHIRE LEI 7RH, UNITED KINGDOM, United Kingdom ~72: CUMMINGS, W. Jason;DEMOPULOS, Gregory A.;DUDLER, Thomas;SCHWAEBLE, Hans-Wilhelm;TJOELKER, Larry W.;WOOD, Christi L.;YABUKI, Munehisa~ 33:US ~31:62/369,674 ~32:01/08/2016;33:US ~31:62/419,420 ~32:08/11/2016;33:US ~31:62/478,336 ~32:29/03/2017

2025/02770 ~ Complete ~54:METHODS OF ANTIBODY CHARACTERIZATION ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: GREEN, Lydia Baggott;THOMSON, Christy Ann~ 33:US ~31:63/420,965 ~32:31/10/2022

2025/02765 ~ Complete ~54:CLEAN RINSING REVERSING BYPASS ROTARY VALVE ~71:Northstar Medical Technologies, LLC, 1800 Gateway Blvd., BELOIT 53511, WI, USA, United States of America ~72: BLUEMNER, Erik;LUST, Dorian~ 33:US ~31:63/428,177 ~32:28/11/2022

2025/02767 ~ Complete ~54:GLASS FURNACE ~71:Saint-Gobain Isover, Tour Saint-Gobain, 12, Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: DE DIANOUS, Philippe~ 33:FR ~31:2211070 ~32:25/10/2022;33:FR ~31:2212582 ~32:30/11/2022

2025/02768 ~ Complete ~54:A MOBILE BULK MATERIAL PROCESSING APPARATUS ~71:Sandvik Ltd, 2 Tullyvannon Road, Ballygawley, DUNGANNON BT70 2HW, UNITED KINGDOM, United Kingdom ~72: GRAYDON, Stuart;SMYTH, Stuart~ 33:EP ~31:22202096.8 ~32:18/10/2022

2025/02774 ~ Complete ~54:PEER-TO-PEER SELECTABLE DIGITAL MONEY SYSTEM ~71:XIXVENTURES, LLC, 24165 1H-10 West, Suite 217, Unit 285, San Antonio, Texas, 78257, United States of America ~72: PAUL ROGER TAVANEZ;RICHARD LEE GROGAN~ 33:US ~31:17/930,394 ~32:07/09/2022

2025/02773 ~ Complete ~54:A COMPOSITION FOR USE IN THE SULPHUR BASED VULCANIZATION OF RUBBER ~71:RUBBER NANO PRODUCTS (PROPRIETARY) LIMITED, 34 Bird Street Central, Gqeberha, 6001, South Africa ~72: ROBERT MICHAEL BOSCH~ 33:ZA ~31:2022/11016 ~32:10/10/2022

2025/02737 ~ Complete ~54:APPLICATION OF ARTEMISIA SEEDS IN THE PREPARATION OF MEDICAMENT FOR TREATING SALIVATION CAUSED BY ORAL SCALDS OR GASTRIC MUCOSAL SCALDS IN PIGS ~71:ERDOS AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCE RESEARCH INSTITUTE, Room T5-1711, CBD District, Administrative Office Area, Guotai Square, Ordos City, People's Republic of China ~72: CHEN, Lan;HE, Rongli;LI, Ran;ZI, Yunfei;ZI, Zhanfei~

2025/02745 ~ Complete ~54:METHOD FOR PREPARING TOTAL SAPONINS OF CROWN-OF-THORNS STARFISH BY MICROWAVE-ULTRASOUND AND APPLICATION THEREOF IN ANTICANCER DRUGS ~71:Hainan Tropical Ocean University, No.1 Yucai Road, Jiyang District, Sanya City, Hainan Province, People's Republic of China;Universiti Malaya, University of Malaya, Beach Valley, Kuala Lumpur, Malaysia;Yazhou Bay Innovation Institute of Hainan Tropical Ocean University, 6th Floor, Hainan Ruize Office Building, Yazhou Bay Science and Technology City, Yazhou District, Sanya City, Hainan Province, People's Republic of China ~72: CHIN Yaoxian;HU Yaqin;LIM Phaikeem;NA Guangshui;WAN Yue;WANG Dongxue;WANG Peizheng~

. - APPLIED ON 2025/04/01 -

2025/02805 ~ Complete ~54:STARTER DETONATOR ~71:DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: LIEBENBERG, Abraham Johannes;MEYER, Tielman Christiaan~ 33:ZA ~31:2022/11088 ~32:11/10/2022

2025/02778 ~ Provisional ~54:DOOR OPENER ~71:BEZUIDENHOUT, Christiaan Lourens Phillippus, 4 Sabie Road, Bardene Ext 27, South Africa ~72: BEZUIDENHOUT, Christiaan Lourens Phillippus~

2025/02780 ~ Provisional ~54:SUREDROP ~71:Wendy Brosnan, 46 Sonneglans Park, 33 Pampoenspruit Street, Sonneglans, Randburg, South Africa ~72: Wendy Brosnan~

2025/02782 ~ Complete ~54:APPLICATION OF ALKALI METAL HYDROXIDE, EXTRACTION METHOD AND ION CHROMATOGRAPHY DETECTION METHOD FOR NITRITE NITROGEN AND/OR NITRATE NITROGEN IN SOIL, AND REGENERATION METHOD OF CHROMATOGRAPHIC COLUMN ~71:Shanghai Academy of Agricultural Sciences, No. 2901 Beidi Road, Minhang District, Shanghai, 201106, People's Republic of China ~72: BAI, Bing;LIN, Miao;LIU, Haiyan;SHAO, Yi;SI, Wenshuai;YANG, Haifeng~ 33:CN ~31:202411487727.7 ~32:24/10/2024

2025/02784 ~ Complete ~54:CONSTRUCTION SUPPORT SYSTEM AND SUPPORT METHOD FOR COAL MINE SHAFT AND DRIFT ~71:CCTEG SHENYANG ENGINEERING COMPANY, No. 12, Xiannongtan Road, Shenhe District, Shenyang City, Liaoning Province, 110015, People's Republic of China;Hohai University, 1 Xikang Rd., Gulou District, Nanjing, Jiangsu, 210024, People's Republic of China ~72: Bo SUN;Gui YANG;Hongyan WANG;Jiayin SHI;Longjiao GUO;Xin ZHAO;Yong WANG;Yonggang GOU;Yumin CHEN;Zhiqiang ZHAO;Zhongxian HUANG;Ziyu GUO~

2025/02790 ~ Complete ~54:A SAFETY WARNING DEVICE FOR ARTIFICIAL INTELLIGENCE APPLICATIONS ~71:Zhejiang Wanli University, Zhejiang Wanli University, No. 8, Qianhu South Road, Shounan Street, Yinzhou

District, Ningbo City, Zhejiang Province, 315100, People's Republic of China ~72: Haowei Pan;Jin Jin;Tiantian Zhuo;Wen Li;Yinuo Zheng;Yujie Wu~

2025/02793 ~ Complete ~54:CARBON-SEQUESTERING AND NITROGEN-SUPPLEMENTING FERTILIZER FOR PROMOTING CITRUS PLANT GROWTH AND IMPROVING ACIDIC SOIL AND PREPARATION METHOD THEREOF ~71:ZHAOQING UNIVERSITY, Donggang, Duanzhou District, Zhaoqing City, Guangdong Province, People's Republic of China ~72: JI Qianhua;JIANG Hui;WU Yaohao~

2025/02794 ~ Complete ~54:COMPLEMENT COMPONENT C3 IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;CHARALAMBOS KAITTANIS;ELANE FISHILEVICH;JAMES D MCININCH;KRISTINA YUCIUS;MARK K SCHLEGEL;MARK KEATING;SARAH SOLOMON~ 33:US ~31:62/924,210 ~32:22/10/2019

2025/02796 ~ Complete ~54:TRUSTWORTHINESS OF MULTI-MEDIA DATA STREAMS ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: GRÜNEBERG, Karsten;HINZ, Tobias;MARPE, Detlev;PFAFF, Jonathan;SCHWARZ, Heiko;SÜHRING, Karsten;WIEGAND, Thomas~ 33:EP ~31:24168162.6 ~32:02/04/2024

2025/02797 ~ Complete ~54:TRUSTWORTHINESS OF VIDEO DATA STREAMS ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: HINZ, Tobias;MARPE, Detlev;PFAFF, Jonathan;SCHWARZ, Heiko;SÜHRING, Karsten;WIEGAND, Thomas~ 33:EP ~31:24168161.8 ~32:02/04/2024

2025/02800 ~ Complete ~54:MULTIPLE-EFFECT MULTI-TRAIN DESALINATION (MEMTD) DEVICE ~71:HANGANU, Dan Alexandru, Calle Monistrol 10, Urb. Montserrat Park, El Bruc, 08294, Barcelona, Spain;NOMEN CALVET, Juan Eusebio, El Cortalet A Baixos, L'Aldosa, 0036349, Andorra;WGA WATER GLOBAL ACCESS S.L., Avda. dell Jovell 10, AD400, Sispony, Andorra ~72: HANGANU, Dan Alexandru;NOMEN CALVET, Juan Eusebio~

2025/02801 ~ Complete ~54:BIT-LENGTH CONTROL FOR LINEAR REGRESSION-BASED AFFINE MERGE CANDIDATE DERIVATION ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: HUANG, Han;KARCZEWICZ, Marta;SEREGIN, Vadim;ZHANG, Yan~ 33:US ~31:63/379,555 ~32:14/10/2022;33:US ~31:18/481,590 ~32:05/10/2023

2025/02806 ~ Complete ~54:BLASTING ACCESSORIES ~71:FOURIE, Johan Jacques, 54 Gawie Theron Street, South Africa ~72: FOURIE, Johan Jacques~ 33:ZA ~31:2023/04919 ~32:03/05/2023;33:ZA ~31:2023/06800 ~32:04/07/2023

2025/02809 ~ Complete ~54:MAGNETIC LEVITATION TRACK BEAM, AND FORMING SYSTEM AND FORMING METHOD FOR MAGNETIC LEVITATION TRACK BEAM ~71:China Railway 23rd Bureau Group Co., Ltd, Room 508,5th Floor,Building #1,No.530 of Middle Tianfu Avenue,Chengdu High-tech Zone,China (Sichuan) Pilot Free Trade Zone, Chengdu, People's Republic of China;China Railway 23rd Bureau Group Rail Transit Engineering Co., Ltd, Workshop 1,2nd Floor,Building 4,No. 386 Pinggang Road,Lingang New Area,China (Shanghai) Pilot Free Trade Zone, Shanghai, People's Republic of China ~72: Bin TAN;Dayuan LI;Fei WANG;Hongwu XIAO;Hongyi CHEN;Jieyong LI;Weiwang PAN;Yang CHENG;Yanlong LIU;Yichun WANG;Yong ZHAI;Zhengsong WANG;Zhiyong HU~ 33:CN ~31:2024105707116 ~32:09/05/2024

2025/02810 ~ Complete ~54:ANTI-CD122 ANTIBODIES AND USES THEREOF ~71:FORTE SUBSIDIARY, INC., 3060 Pegasus Park Drive, Building 6, United States of America ~72: WAGNER, Paul A.~ 33:US ~31:63/377,847 ~32:30/09/2022

2025/02777 ~ Provisional ~54:FENCE STRUCTURE ~71:WIRE VENTURES CC, 10 Burnley Street, South Africa ~72: CIOFFI, Michele Federico;PALUMBO, Giuliano~

2025/02787 ~ Complete ~54:MULTI-SOURCE DATA FUSION MONITORING METHOD FOR MINING SUBSIDENCE BASED ON DPIM AND VARIANCE COMPONENT ESTIMATION ~71:SUZHOU UNIVERSITY, Erpu Village, Zhuxianzhuang Town, Yongqiao District, Suzhou City, Anhui Province, 234111, People's Republic of China ~72: GUO, Zhongchen;HU,Ru;JIANG, Chuang;WANG, Lei~

2025/02789 ~ Complete ~54:UROCANIC ACID OCTYL ESTER COMPOUND AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Henan Jiebiaomian New Materials Co., Ltd, No.15 Standardized Workshop Park, Shangcai County Industrial Cluster Area, Zhumadian, Henan Province, People's Republic of China;Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China;Henan Weinuo Biotechnology Co., Ltd, Punofit Science Park, Zhumadian, Henan Province, People's Republic of China ~72: BAI Wenke;GUO Yan;JI Feixiang;SONG Yongxin~

2025/02798 ~ Complete ~54:CYBERCRIME AVOIDANCE PIN RECOGNITION MEANS AND METHOD ~71:Alexandra de Swart, Kees Broekmanstraat 118, Netherlands ~72: Alexandra de Swart~ 33:ZA ~31:2024/01880 ~32:06/03/2025

2025/02802 ~ Complete ~54:TRIAZINE COMPOUNDS AND USES THEREOF ~71:HUTCHMED Limited, Building 4, 720 Cailun Road, Pilot Free Trade Zone, SHANGHAI 201203, CHINA (P.R.C.), People's Republic of China ~72: CAI, Huaqing;SU, Wei-Guo;YANG, Haibin;ZHANG, Weihan~ 33:CN ~31:202211074820.6 ~32:02/09/2022;33:CN ~31:202311048952.6 ~32:18/08/2023

2025/02808 ~ Complete ~54:A METHOD OF AUTHENTICATING A USER FOR PURPOSES OF CONCLUDING A TRANSACTION ~71:WINER, Darren Rael, Unit 4 Emerald Place, 3 Fort Street, Illovo, South Africa ~72: WINER, Darren Rael~ 33:WO ~31:PCT/IB2024/054556 ~32:10/05/2024

2025/02852 ~ Provisional ~54:VARSITY PAGEANTS-A BEAUTY PAGEANT SYSTEM INTEGRATING INTELLIGENCE-BASED EVALUATION AND AUDIENCE ENGAGEMENT ~71:KHOLOFELO MARUPUTLA JUNIOR MASHATOLE, PRETORIA WEST, LITTLE MANNATTAN GARDENS 375,, South Africa ~72: KHOLOFELO MARUPUTLA JUNIOR MASHATOLE~

2025/02779 ~ Provisional ~54:A BIODEGRADABLE COMPOSITION AND DELIVERY SYSTEM FOR TOPICAL APPLICATION. ~71:NOMPUNGA, Nomahlubi, Constantia Emporium, c/o Ladies Mile and Spaanschemat River Road, South Africa ~72: NOMPUNGA, Nomahlubi~

2025/02781 ~ Provisional ~54:ADAPTIVE MEDIA CONTENT ACCESS SYSTEM WITH DYNAMIC SEGMENTATION ANALYTICS AND PROGRESSIVE TRUNCATION TECHNOLOGY ~71:TIEGO LUCAS MALAHLELA, 5 MIMOSA AVE, South Africa ~72: TIEGO LUCAS MALAHLELA~

2025/02785 ~ Complete ~54:WEAR-RESISTANT CONVEYOR IDLER ~71:Hebei Tongye Metallurgical Technology CO., Ltd, 50 meters west of Xingde Highway, Gucheng County, Hengshui City, Hebei Province, People's Republic of China ~72: FAN Minglei;SU Jinhu;WANG Ying;ZHANG Xuefeng~ 33:CN ~31:2024117608677 ~32:03/12/2024

2025/02788 ~ Complete ~54:METHOD OF MANUFACTURING A HAT ~71:NELSIE NDIMANDE, 40 CEBEKULU STREET, South Africa ~72: NELSIE NDIMANDE~

2025/02791 ~ Complete ~54:OBSTACLE AVOIDANCE CONTROL METHOD AND SYSTEM FOR AIRCRAFT ~71:Jiangsu Zhongqixin Holdings (Group) Co., Ltd., Room 701, North Building, Xianfeng Building, No. 1 Jinshang Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone, People's Republic of China ~72: LI, Lianjie;ZHANG, Luokang;ZHANG, Zhihao~

2025/02795 ~ Complete ~54:CONCEPT FOR TRUSTWORTHINESS CHECKS OF VIDEO DATA STREAMS ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: HINZ, Tobias;MARPE, Detlev;PFAFF, Jonathan;SCHWARZ, Heiko;SÜHRING, Karsten;WIEGAND, Thomas~ 33:EP ~31:24168160.0 ~32:02/04/2024

2025/02803 ~ Complete ~54:DYSPROSIUM-RICH NICKEL-TUNGSTEN ALLOY MATERIAL FOR NUCLEAR SHIELDING AND PREPARATION METHOD THEREFOR ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No. 29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: DING, Qianxue;FU, Yaru;GAO, Jing;GAO, Shengqin;HUANG, Xiaolin;LI, Cong;LI, Hui;MAO, Lanfang;MEI, Qiliang;PAN, Jie;PENG, Chao;SHI, You;WANG, Yong;XIAO, Xueshan;ZHU, Ziqiang~ 33:CN ~31:202211071009.2 ~32:02/09/2022

2025/02807 ~ Complete ~54:GRAVITATIONAL VAPOR COMPRESSOR DEVICE ~71:HANGANU, Dan Alexandru, Calle Monistrol 10, Urb. Montserrat Park, El Bruc, 08294, Barcelona, Spain;NOMEN CALVET, Juan Eusebio, Cortalet A Baixos, L'aldosa, AD400, Andorra;WGA WATER GLOBAL ACCESS, SL, Avda. del Jovell 10, AD400, Sispony, Andorra ~72: HANGANU, Dan Alexandru;NOMEN CALVET, Juan Eusebio~ 33:ES ~31:U202231457 ~32:08/09/2022;33:ES ~31:U202330618 ~32:13/04/2023;33:ES ~31:PCT/ES2023/070545 ~32:08/09/2023

2025/02783 ~ Complete ~54:METHOD FOR HIGH-EFFICIENCY EXTRACTING LITHIUM FROM CLAY-TYPE LITHIUM ORE ~71:Kunming University of Science and Technology, No.68 Wenchang Road, 121 Street, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: BAI Shaojun;FENG Qicheng;HUANG Rong;LIU Dianwen;LIU Jian;WANG Ping;WEN Shuming~

2025/02792 ~ Complete ~54:CAST-IN-PLACE CONCRETE BUILT-IN POSITIONING INSULATION WALL AND CONSTRUCTION METHOD ~71:China Railway 20th Bureau Group Municipal Engineering Co., Ltd., No.8, South Gate 2, Heavy Ion Hospital, Yanbei Road, Chengguan District, Lanzhou City, Gansu Province, People's Republic of China ~72: DUAN Xiaopeng;HE Yan;LI Huping;LIU Benguo;LIU Tengfei;MA Xiaowei;WANG Junrong;WANG Xiangwei;YAN Chunzhi;ZHANG Zhengjun~

2025/02804 ~ Complete ~54:ORAL PRODUCT COMPRISING THEOBROMINE ~71:CONTRAF-NICOTEX-TOBACCO GMBH, Herbststr. 8, Germany ~72: BELZ, Markus;ELLERICHMANN, Thomas;KÖNIG, Thorsten~ 33:EP ~31:23197216.7 ~32:13/09/2023

2025/02786 ~ Complete ~54:PREPARATION METHOD FOR DOUBLE-LAYER HOLLOW FIBER LOOSE NANOFILTRATION MEMBRANE AND APPLICATION THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: REN Haibo;WANG Chuanfeng~

2025/02799 ~ Complete ~54:MULTI-SCALE GRAVITY ENERGY STORAGE FACILITY AND METHOD FOR WATER (LIQUID) TURBINE WATER (LIQUID) PUMPING AND DRAINAGE DRIVING ENERGY CONVERSION ~71:CHEN Xingmao, Shengshi Huating Community, Lingbo Road, Economic and Technological Development

Zone, Nanchang City, Jiangxi Province, 330000, People's Republic of China ~72: CHEN Xingmao~ 33:CN ~31:202211075262.5 ~32:05/09/2022

. - APPLIED ON 2025/04/02 -

2025/02814 ~ Complete ~54:INTELLIGENT VENTILATION DEVICE FOR COAL MINE ~71:Anhui University of Science and Technology, 168 Taifeng Avenue, Huainan City, Anhui Province, 232001, People's Republic of China;CCTEG CHONGQING RESEARCH INSTITUTE, No.6,Kecheng Road, Jiulongpo District, Chongqing, 400039, People's Republic of China ~72: Bo WANG;Chaoping YUE;Fei LIU;Haomin DONG;Moran ZHU;Qinghua ZHANG;Shudong HE;Xijun ZHANG;Xuezhan XU;Yahu YAO;Yanbao LIU;Zhigang ZHANG~

2025/02822 ~ Complete ~54:VIRAL VECTORS FOR CANCER THERAPY ~71:Krystal Biotech, Inc., 2100 Wharton Street, Suite 701, PITTSBURGH 15203, PA, USA, United States of America ~72: DUERMEYER, Mary Jane;KRISHNAN, Suma;PARRY, Trevor;PREVITE, Dana Michelle~ 33:US ~31:63/170,103 ~32:02/04/2021

2025/02835 ~ Complete ~54:PRODUCTION OF HYDROGEN AND LITHIUM HYDROXIDE IN A BASIC ENVIRONMENT ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: ANTONI, Jessica;ARNDT, Sebastian;DAHLHUES, Meike;DECKER, Nicole;GORMAN, Elisabeth;HYING, Christian;JURETZKA, Sabrina;KLINK-TRAN, Huong;LÖFFLER, Frank;STADTMÜLLER, Tobias;STENNER, Patrik~ 33:EP ~31:22195067.8 ~32:12/09/2022

2025/02846 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR PREVENTION OR TREATMENT OF NEPHROPATHY AND/OR DIABETES MELLITUS, COMPRISING ENAVOGLIFLOZIN ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil, Hyangnam-eup, Republic of Korea ~72: CHO, Bo Young;CHO, Jae Min;CHO, Seong In;CHO, Seung Ah;CHOI, Ji-Soo;HUH, Wan;JI, Hye Young;KIM, Su Young;KIM, Young Hee;LEE, Si Eun;NAH, Jae Jin;PARK, Mi Hee;SONG, Hwa Rang~ 33:KR ~31:10-2022-0127340 ~32:05/10/2022

2025/02847 ~ Complete ~54:DISC BRUSH-TYPE PHOTOVOLTAIC CLEANING ROBOT AND MOTION CONTROL MODE THEREOF ~71:HOHAI UNIVERSITY, CHANGZHOU CAMPUS, No.1915, Hohai Avenue, Jintan, Changzhou, Jiangsu, 213200, People's Republic of China ~72: CHENGCHENG XIONG;HAIBIN WANG;HAOJUN WANG;JIAO YANG;JINGWEI ZHANG;KUN DING;RUIGUANG GAO;XIHUI CHEN~ 33:CN ~31:2023112311956 ~32:22/09/2023

2025/02811 ~ Provisional ~54:ADSORPTION AND REMOVAL OF BACTERIA FROM ORAL CAVITIES AND FROM THE SKIN OF INFECTED HUMANS AND ANIMALS ~71:DIE BAKKERSDOSYN (PTY) LTD, 22 Siyayi Drive, Mtunzini, South Africa ~72: KOTZE, Dirk Albertus~

2025/02820 ~ Complete ~54:AUTOMATIC CIRCUMFERENTIAL WELDING DEVICE FOR PIPELINE AND CIRCUMFERENTIAL WELDING METHOD ~71:China Railway Construction Engineering Group Co., Ltd., Building 1, Nord Center, No.128 South Fourth Ring Road West, Fengtai District, Beijing, People's Republic of China;THE FOURTH CONSTRUCTION CO.,LTD. OF CHINA RAILWAY CONSTRUCTION ENGINEERING GROUP, Room A-25, Building 1, No. 1312, Lao Lu Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone, Pudong New Area, Shanghai, People's Republic of China ~72: AN Haijian;BIAN Hongming;JIANG Yingying;LI Ping;WU Gang;WU Gangbo;XIA Qiushi;XIE Lingguang;YAN Gaofeng;YUAN Zhi;ZHANG Qiao;ZHANG Wei~ 33:CN ~31:202410689436.X ~32:30/05/2024

2025/02824 ~ Complete ~54:SYNTHESIS OF HETEROCYCLIC COMPOUNDS FROM CARBOXAMIDE AND CARBOXAMIDE DERIVATIVES WITH HALOALKANOLS ~71:UNIVERSITY OF KWAZULU-NATAL, Office of Registrar, University Road, Chiltern Hills, Westville, 3629, KwaZulu-Natal, South Africa ~72: NISAR SAYYAD;RAJSHEKHAR KARPOORMATH~ 33:IN ~31:202021031239 ~32:21/07/2020

2025/02830 ~ Complete ~54:AN ITEM CARRYING BRACKET FOR USE IN RETAINING AN ITEM ON A MOTOR VEHICLE ~71:RHINO RACK AUSTRALIA PTY LIMITED, 22a Hanson Place, Eastern Creek, Australia ~72: ALFAKHRANY, Tarek;LYNCH, Oliver~ 33:AU ~31:2022903073 ~32:19/10/2022

2025/02833 ~ Complete ~54:PRODUCTION OF HYDROGEN AND SOLID LITHIUM HYDROXIDE ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: ANTONI, Jessica;ARNDT, Sebastian;DAHLHUES, Meike;DECKER, Nicole;GORMAN, Elisabeth;HYING, Christian;JURETZKA, Sabrina;KLINK-TRAN, Huong;LÖFFLER, Frank;STADTMÜLLER, Tobias;STENNER, Patrik~ 33:EP ~31:22195063.7 ~32:12/09/2022

2025/02834 ~ Complete ~54:RHEOLOGY MODIFYING OF POLYMERS WITH A RADICAL INITIATOR AND THIOURETHANE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: DABBOUS, Raphael;GERSTER, Michèle;HERBST, Heinz;MUELLER, Daniel;VILLENEUVE, Sebastien;WUNDERLICH-WIPPERT, Wiebke~ 33:EP ~31:22194366.5 ~32:07/09/2022

2025/02838 ~ Complete ~54:1-AMINO-1-CYCLOPROPANECARBOXYLIC ACID AND JASMONIC ACID MIXTURES AND USES THEREOF ~71:Valent BioSciences LLC, 1910 Innovation Way, Suite 100, LIBERTYVILLE 60048, IL, USA, United States of America ~72: FALCO, Kimberly Ann;MCARTNEY, Steve;PETRACEK, Peter D.;SILVERMAN, Franklin Paul;SURPIN, Marci Ann;WOOLARD, Derek D.~ 33:US ~31:63/412,749 ~32:03/10/2022

2025/02840 ~ Complete ~54:1-AMINO-1-CYCLOPROPANECARBOXYLIC ACID AND PROHYDROJASMON MIXTURES AND USES THEREOF ~71:Valent BioSciences LLC, 1910 Innovation Way, Suite 100, LIBERTYVILLE 60048, IL, USA, United States of America ~72: FALCO, Kimberly Ann;MCARTNEY, Steve;PETRACEK, Peter D.;SILVERMAN, Franklin Paul;SURPIN, Marci Ann;WOOLARD, Derek D.~ 33:US ~31:63/412,754 ~32:03/10/2022

2025/02843 ~ Complete ~54:METHODS OF TREATING ESTROGEN RECEPTOR-MEDIATED DISORDERS ~71:Novartis AG, Lichtstrasse 35, BASEL 4056, SWITZERLAND, Switzerland;Olema Pharmaceuticals, Inc., 780 Brannan Street, SAN FRANCISCO 94103, CA, USA, United States of America ~72: KLEIN, Pamela M.~ 33:US ~31:63/413,475 ~32:05/10/2022

2025/02850 ~ Complete ~54:CYCLOPENTANE COMPOUND ~71:KISSEI PHARMACEUTICAL CO., LTD., 19-48, Yoshino, Matsumoto-shi, Nagano, 3998710, Japan ~72: AKIHIRO SHIOGAI;ATSUSHI KONDO;MASAKO YOSHIDA;TOMOYA OKI;TSUTOMU MATSUMOTO~ 33:JP ~31:2022-162168 ~32:07/10/2022

2025/02853 ~ Provisional ~54:TROLLEY MEDIA:INTEGRATED ADVERTISING SOLUTION FOR RETAIL SPACES ~71:KHOTSO KHOLOPANE, 05 Oakmont ,Jackal Creek Golf Estate, Boundary Road,, South Africa;TEBOGO HLABANGWANA, 05 Oakmont ,Jackal Creek Golf Estate, Boundary Road,, South Africa ~72: KHOTSO KHOLOPANE;TEBOGO HLABANGWANA~

2025/02842 ~ Complete ~54:STABILIZED PRE-FUSION PIV3 F PROTEINS ~71:MSD International Business GmbH, Tribschenstrasse 60, LUCERNE 6005, SWITZERLAND, Switzerland ~72: BAKKERS, Mark Johannes Gerardus;LANGEDIJK, Johannes Petrus Maria~ 33:EP ~31:22200027.5 ~32:06/10/2022

2025/02813 ~ Complete ~54:A FEED ADDITIVE FOR ENHANCING IMMUNITY OF TRIONYX SINENSIS AND PREPARATION METHOD THEREOF ~71:Institute of Animal Husbandry and Veterinary Science of Jiangxi Academy of Agricultural Sciences, No.692, Qingyunpu District, Nanchang, Jiangxi Province, People's Republic of China;Jiangxi Agricultural University, No.1101 Zhimin Avenue, Economic Development Zone, Nanchang, Jiangxi Province, 330045, People's Republic of China ~72: Chuanqi YU;Jingjing LU;Wenshu LIU;Yazhou ZHANG;Yuzhu WANG;Zirui WANG~

2025/02816 ~ Complete ~54:EFFICIENT BROAD-SPECTRUM STERILIZING AGENT, PREPARATION METHOD AND APPLICATION THEREOF ~71:TAI'AN HONGFU CHEMICAL CO., LTD, Economic Development Zone, Dongping County, Tai'an City, Shandong Province, 271500, People's Republic of China ~72: HAN Tao;LI Jinxiu;LI Mei;QIAO Jianyong~ 33:CN ~31:2025103969301 ~32:31/03/2025

2025/02825 ~ Complete ~54:NANOZYME REACTOR ~71:LIAONING INSTITUTE OF SCIENCE AND TECHNOLOGY, NO. 176, XIANGHUAI ROAD, People's Republic of China ~72: LIU, Jiuyu;ZHANG, Haibo;ZHANG, Huiming;ZHANG, Ying~

2025/02841 ~ Complete ~54:COMBINATION THERAPIES INCLUDING METAL CHANNEL ACTIVATORS ~71:Biohaven Therapeutics Ltd., Ritter House, P.O. Box 173, ROAD TOWN VG 1110, TORTOLA, VIRGIN ISLANDS (BRITISH), Virgin Islands (British) ~72: CORIC, Vladimir;DWORETZKY, Steven I.~ 33:US ~31:63/403,911 ~32:06/09/2022

2025/02851 ~ Complete ~54:MALONATE AND GLYCOLATE SALTS OF AN EGFR INHIBITOR ~71:ORIC PHARMACEUTICALS, INC., 240 E. Grand Avenue, Suite 2 South San Francisco, California, 94080, United States of America ~72: AJIT SINGH NARANG;ARCHANA KUMAR;EDNA CHOW MANEVAL;JAE HYUK CHANG;LORI S FRIEDMAN;MELISSA R JUNTTILA;MOHAMMAD AL-SAYAH;PRATIK SHARAD MULTANI;ROBERT RONALD MILBURN;RUPAL PATEL;TATIANA ZAVOROTINSKAYA~ 33:US ~31:63/422,365 ~32:03/11/2022;33:US ~31:63/464,133 ~32:04/05/2023;33:US ~31:63/591,670 ~32:19/10/2023

2025/02815 ~ Complete ~54:BRACKET-FREE ACOUSTIC EMISSION SENSOR AUXILIARY FIXING DEVICE AND USAGE METHOD ~71:Xinjiang University, No. 666, Shengli Road, Tianshan District, Urumqi, Xinjiang Uygur Autonomous Region, 830046, People's Republic of China ~72: ALIPUJIANG Jierula;HAN Fengxia;LIU Qing;LIU Shan;WANG Weicheng~ 33:CN ~31:2024113127150 ~32:20/09/2024

2025/02818 ~ Complete ~54:FINGER MUSCLE STRENGTH ASSESSMENT DEVICE CAPABLE OF SLIDING POSITIONING MEASUREMENT ~71:Shanghai University of Medicine and Health Sciences, 279 Zhouzhu Road, Pudong New Area, Shanghai, 201318, People's Republic of China ~72: GAO, Yu;GUO, Jiachen;HE, Mengting;HE, Shuxian;LI, Shuang;SHI, Yueyan;ZHANG, Chen;ZHOU, Mingyan~ 33:CN ~31:202411618956.8 ~32:13/11/2024

2025/02823 ~ Complete ~54:AN EARLY PREDICTION SYSTEM FOR COPD BASED ON DATA ANALYSIS ~71:THE 3rd AFFILIATED HOSPITAL OF CHANGCHUN UNIVERSITY OF CHINESE MEDICINE, No. 1643 Jingyue Street, Jingyue High tech Industrial Development Zone, Changchun City, Jilin Province, 130021, People's Republic of China;THE AFFILIATED HOSPITAL TO CHANGCHUN UNIVERSITY OF CHINESE MEDICINE, No. 1478 Gongnong Road, Chaoyang District, Changchun City, Jilin Province 130103, China, Chaoyang District, Changchun City, Jilin Province, 130103, People's Republic of China ~72: LI, Minglin;PAN, Hao;WANG,Lu;ZHU, Tonggang~

2025/02827 ~ Complete ~54:HANDLING SYSTEM FOR GROUND-ENGAGING WEAR PARTS SECURED TO EARTH WORKING EQUIPMENT ~71:ESCO GROUP LLC, 2141 Nw 25th Avenue, United States of America ~72: CLARKE, Rodney, K.;LATINO, Alain;PAUL, David, M.~ 33:US ~31:63/404,488 ~32:07/09/2022

2025/02829 ~ Complete ~54:REDUCING DISEASE TRANSMISSION OF VECTOR BORNE DISEASES ~71:GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GSK Medicines Research Centre, Gunnels Wood Road, United Kingdom ~72: RODRIGUES, Janneth Fatima Indira~ 33:EP ~31:22383076.1 ~32:08/11/2022;33:EP ~31:23382233.7 ~32:13/03/2023

2025/02837 ~ Complete ~54:APPARATUS WITH SQUEEZING MEANS FOR PASSIVE MIXING OF MULTI-PHASE FLOW ~71:SRAVATHI ADVANCE PROCESS TECHNOLOGIES PRIVATE LIMITED, Plot No. 63-B, Ground Floor. Attibele Hobli, Anekal Taluk Bommasandra Industrial Area, Bommasandra Village Bengaluru,, Karnataka, 560099, India ~72: SAMIR, Anapat;SIVAKUMAR, Sreeramagiri;SOHEL, Chungikar Abbas;SOURI, Sreeramagiri Venkata Shanmukha~ 33:IN ~31:202241051515 ~32:09/09/2022

2025/02845 ~ Complete ~54:FORMS OF CARBAMATE DERIVATIVES AND RELATED USES ~71:NODTHERA LIMITED, The Mansion, Chesterford Research Park, Little Chesterford, Saffron Walden, United Kingdom ~72: READER, Valérie~ 33:US ~31:63/413,036 ~32:04/10/2022

2025/02819 ~ Complete ~54:PREPARATION METHOD OF ASTRAGALUS MONGHOLICUS SOLID FERMENTATION PRODUCT AND APPLICATION OF ASTRAGALUS MONGHOLICUS SOLID FERMENTATION PRODUCT IN PREPARATION OF FEED ADDITIVE FOR REGULATING GROWTH AND DEVELOPMENT OF WEANED DONKEY FOALS ~71:INNER MONGOLIA OF AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCES, NO. 22 ZHAOJUN ROAD, People's Republic of China ~72: FAN, Jie;GAO, Wa;HAI, Xuran;HAN, Ping'an;HAO, Haizhong;HAO, Zhihua;HE, Junling;HUANGFU, Jiuru;JIA, Jun;JIA, Xiaoqing;LI, Jian;LIANG, Hongwei;LIU, Lixia;PU, Suling;QI, Buri;SU, Shaofeng;WANG, Xiao;WANG, Yusheng;WEI, Yulong;WU, Haiqing;WU, Rentana;WU, Yuping;XU, Chao;YUE, Linfang;ZHANG, Junfang~ 33:CN ~31:2024106618976 ~32:27/05/2024

2025/02821 ~ Complete ~54:VIRAL VECTORS FOR CANCER THERAPY ~71:Krystal Biotech, Inc., 2100 Wharton Street, Suite 701, PITTSBURGH 15203, PA, USA, United States of America ~72: DUERMEYER, Mary Jane;KRISHNAN, Suma;PARRY, Trevor;PREVITE, Dana Michelle~ 33:US ~31:63/170,103 ~32:02/04/2021

2025/02826 ~ Complete ~54:SPACE HEATING FILM ~71:NEXGEN HEATING LIMITED, Epsilon House Enterprise Road, Southampton Science Park, United Kingdom ~72: KINGSCOTT, Lisa Jane;OSBORNE, Clive David~ 33:EP ~31:2212834.2 ~32:02/09/2022

2025/02831 ~ Complete ~54:AN ITEM CARRYING DEVICE FOR A VEHICLE ~71:RHINO RACK AUSTRALIA PTY LIMITED, 22a Hanson Place, Eastern Creek, Australia ~72: NGUYEN, Alexander~ 33:AU ~31:2022903185 ~32:27/10/2022

2025/02832 ~ Complete ~54:ELECTROCHEMICAL PRODUCTION OF HYDROGEN AND LITHIUM HYDROXIDE UNDER DEFINED FLOW CONDITIONS ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: ANTONI, Jessica;ARNDT, Sebastian;DAHLHUES, Meike;DECKER, Nicole;GORMAN, Elisabeth;HYING, Christian;JURETZKA, Sabrina;KLINK-TRAN, Huong;LÖFFLER, Frank;STADTMÜLLER, Tobias;STENNER, Patrik~ 33:EP ~31:22195072.8 ~32:12/09/2022

2025/02839 ~ Complete ~54:1-AMINO-1-CYCLOPROPANECARBOXYLIC ACID AND METHYL JASMONATE MIXTURES AND USES THEREOF ~71:Valent BioSciences LLC, 1910 Innovation Way, Suite 100, LIBERTYVILLE 60048, IL, USA, United States of America ~72: FALCO, Kimberly Ann;MCARTNEY, Steve;PETRACEK, Peter D.;SILVERMAN, Franklin Paul;SURPIN, Marci Ann;WOOLARD, Derek D.~ 33:US ~31:63/412,751 ~32:03/10/2022

2025/02844 ~ Complete ~54:COLD ROLLED, ANNEALED AND TEMPERED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Astrid PERLADE;Blandine REMY;Kangying ZHU;Michael STOLTZ~ 33:IB ~31:PCT/IB2022/061127 ~32:18/11/2022

2025/02848 ~ Complete ~54:NEURONAVIGATED TRANSCRANIAL BRAIN ENERGY DELIVERY AND DETECTION SYSTEM AND METHOD ~71:AMPA INC., 501 W. Broadway, Suite 1025 San Diego, California, 92101, United States of America ~72: DONALD A VAUGHN;JONATHAN A.S DOWNAR~ 33:US ~31:17/964,686

~32:12/10/2022;33:US ~31:18/212,024 ~32:20/06/2023;33:US ~31:18/212,055 ~32:20/06/2023;33:US ~31:18/212,081 ~32:20/06/2023

2025/02828 ~ Complete ~54:ANTI-C5 ANTIBODY/C5 IRNA CO-FORMULATIONS AND COMBINATION THERAPIES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: CHAUDHARI, Umesh;CHEN, Hunter Hong-Chun;INGRAM, Sarah;KLEPPE, Mary;LIN, Kuan-Ju;PERLEE, Lorah;TANG, Xiaolin;TREVENEN, Jeffrey;WEYNE, Jonathan;YANCOPOULOS, George, D.~ 33:US ~31:63/381,450 ~32:28/10/2022;33:US ~31:63/382,087 ~32:02/11/2022;33:US ~31:63/382,264 ~32:03/11/2022;33:US ~31:63/383,442 ~32:11/11/2022;33:US ~31:63/385,909 ~32:02/12/2022;33:US ~31:63/386,787 ~32:09/12/2022

2025/02836 ~ Complete ~54:INSTRUMENTS AND CORRESPONDING PROCEDURAL METHODS FOR PERFORMING PHOTOBIOMODULATION THERAPY ~71:DENTROID PTY LTD, 1 Moore Street, Australia ~72: WALSH, Laurence~ 33:AU ~31:2022903093 ~32:20/10/2022

2025/02849 ~ Complete ~54:NOVEL BICYCLIC HETEROCYCLYL COMPOUND AND USE THEREOF ~71:JEIL PHARMACEUTICAL CO.,LTD., 343, Sapyeong-daero Seocho-gu, Seoul, 06543, Republic of Korea ~72: CHANG-SEOK LEE;HYUNGGUK KIM;JINJU KIM;JINMO KU;JIYOON KIM;MYEONG-SEOP KIM;YANG-HA LEE~ 33:KR ~31:10-2022-0129102 ~32:07/10/2022

2025/03034 ~ Complete ~54:OXIDATIVE NITRATE HEAP LEACHING PROCESS ~71:BHP CHILE INC, Avda Cerro El Plomo 6000, Piso 15 Las Condes, Chile ~72: CHIBWANA, Clement Chilowa~ 33:ZA ~31:2022/10270 ~32:16/09/2022

2025/02812 ~ Complete ~54:SEGMENTATION SYSTEM FOR HIGH-RESOLUTION REMOTE SENSING IMAGE ~71:Henan Weida Electronic Technology Co., Ltd., No. 199 Yangjin Road, Jinshui District, Zhengzhou City, Henan Province, 450000, People's Republic of China;Zhengzhou University of Aeronautics, No. 15 Wenyuan West Road, Zhengdong New District, Zhengzhou City, Henan Province, 450046, People's Republic of China ~72: DU, Jiahao;WANG, Jia;WANG, Yongqing;ZHANG, Wei~

2025/02817 ~ Complete ~54:METHOD FOR IMPROVING FERTILIZER UTILIZATION EFFICIENCY IN LOW LATITUDE AND HIGH ALTITUDE ARID SOIL ~71:Huize County Agricultural Technology Extension Center, No. 18 Faruheng Street, Baoyun Street, Huize County, Qujing City, Yunnan Province, 654299, People's Republic of China;Huize County Malu Township Agricultural and Rural Comprehensive Service Center, Malu Township Government, Huize County, Qujing City, Yunnan Province, 654205, People's Republic of China;Institute of Grain Crops, Yunnan Academy of Agricultural Sciences, 2238 Beijing Road, Panlong District, Kunming City, Yunnan Province, 650205, People's Republic of China ~72: CHAI Hongyan;DENG Wei;GUAN Junjiao;JI Jiagao;LAN Duo;LI Qiongxian;LI Sheping;LI Xiaolin;LYU Ying;YAN Lizheng;YANG Liping;ZHANG Jianhua;ZHANG Xingfu~

. - APPLIED ON 2025/04/03 -

2025/02859 ~ Complete ~54:METHOD FOR EXTRACTING CITRUS FLAVONOID ~71:ZHEJIANG CITRUS RESEARCH INSTITUTE, TOUTUO TOWN, HUANGYAN DISTRICT, TAIZHOU CITY, People's Republic of China ~72: FENG, Xianju;LI, Wei;LIN, Mei;WANG, Tianyu;YAO, Zhoulin;ZHANG, Weiqing~

2025/02863 ~ Complete ~54:METHOD AND APPARATUS FOR POINT CLOUD COMPRESSION USING HYBRID DEEP ENTROPY CODING ~71:INTERDIGITAL VC HOLDINGS, INC., 200 Bellevue Parkway, Suite 300, Wilmington, Delaware, 19809, United States of America ~72: DONG TIAN;JIAHAO PANG;MUHAMMAD ASAD LODHI~ 33:US ~31:63/252,482 ~32:05/10/2021

2025/02878 ~ Complete ~54:STABLE HIGH-CONCENTRATION SELF-BUFFERING PHARMACEUTICAL COMPOSITION ~71:Qilu Pharmaceutical Co., Ltd., No.317, Xinluo Street, High Technical Zone, JINAN 250100 , SHANDONG, CHINA (P.R.C.), People's Republic of China ~72: AN, Zhenming;CONG, Riyuan;LIU, Jun;SUN, Lixia;WANG, Qingmin;WANG, Yatao;YANG, Chen;ZHANG, Le;ZHENG, Huanlan;ZHOU, Bingbing~ 33:CN ~31:202211134160.6 ~32:16/09/2022;33:CN ~31:202211141413.2 ~32:20/09/2022;33:CN ~31:202311153498.0 ~32:07/09/2023

2025/02883 ~ Complete ~54:ANTI-GUCY2C ANTIBODY AND USES THEREOF ~71:HEIDELBERG PHARMA RESEARCH GMBH, Gregor-Mendel-Strasse 22, 68526, Ladenburg, Germany ~72: ANDREAS PAHL;CHRISTIAN ORLIK;STEPHANIE VOSS;TORSTEN HECHLER~ 33:EP ~31:22204963.7 ~32:01/11/2022

2025/02855 ~ Complete ~54:PREFABRICATED WALL PANEL ~71:Shandong Hi-speed Urban and Rural Development Group Co., Ltd, No. 21, Gongye North Road, Licheng District, Jinan City, Shandong Province, 250132, People's Republic of China;Shandong University of Technology, No. 266, Xincun West Road, Zhangdian District, Zibo City, Shandong Province, 255000, People's Republic of China ~72: CAO, Xinhai;CHANG, Ping;CHEN, Danning;GAO, Yuan;HUANG, Zhanfang;LIU, Xin;QU, Jianhao;SUN, Depeng;WANG, Mingyue;YU, Libin;ZHAI, Haoran~

2025/02867 ~ Complete ~54:A KIND OF DOUBLE-AXIS TILLING MIXER FOR HOMOGENIZATION OF POWDER WITH LARGE DENSITY DIFFERENCE ~71:SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Maanshan, Anhui, 243000, People's Republic of China ~72: HUA Shaoguang;LIU Long;XU Xiuping;YANG Xiaojun~ 33:CN ~31:2024100597213 ~32:16/01/2024

2025/02874 ~ Complete ~54:SMALL INTERFERING RNA TARGETING C3 AND USES THEREOF ~71:SANEGENE BIO USA INC., 1 Broadway, FL 14, United States of America ~72: GENG, Xin;WANG, Shiyu;WANG, Weimin;ZHANG, Chunyang~ 33:US ~31:63/416,070 ~32:14/10/2022

2025/02877 ~ Complete ~54:ADAPTER, TOWER COMPRISING THE ADAPTER AND WIND TURBINE COMPRISING THE TOWER AND WIND FARM COMPRISING AT LEAST ONE WIND TURBINE ~71:Nordex Energy SE & CO. KG, Langenhorner Chaussee 600, HAMBURG 22419, GERMANY, Germany;Nordex Energy Spain, S.A.U., Poligono Industrial Barasoain, Parcela 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: BIEDMA GARCÍA, Manuel;CARRILLO ALONSO, Luis;GARCÍA MAESTRE, Iván;RUPPEN CAÑÁS, Francisco José;ÁLVARO GUTIÉRREZ, Pablo~ 33:EP ~31:22382884.9 ~32:27/09/2022;33:EP ~31:22382885.6 ~32:27/09/2022

2025/02884 ~ Complete ~54:ULTRA-HIGH TEMPERATURE CONTINUOUS REDUCTION OF METAL COMPOUND PARTICLES WITH SUBSEQUENT SELECTIVE SEPARATION ~71:OMNIS ADVANCED TECHNOLOGIES, LLC, 130 S. Patterson Ave. #878, Santa Barbara, California, 93111, United States of America ~72: JAMES S SWENSEN;SIMON K HODSON~ 33:US ~31:63/408,730 ~32:21/09/2022

2025/02857 ~ Complete ~54:TEMPERATURE EFFECT SIMULATION METHOD AND SYSTEM FOR ULTRA-HIGH BUILDINGS ~71:China Railway 21st Bureau Group First Engineering Co., Ltd., No. 275, Henan West Road, Economic and Technological Development Zone, Urumqi, Xinjiang Uygur Autonomous Region, 830011, People's Republic of China ~72: CHEN Junxiang;LEI Qiang;LEI Yingying;LI Zhancheng;MA Bo;MAO Weihong;QIAO Liang;WANG Bin;WANG Shouxi;WANG Xun;ZHOU Dejing~ 33:CN ~31:2025101313552 ~32:06/02/2025

2025/02873 ~ Complete ~54:ANTIBODY-DRUG CONJUGATE, PREPARATION METHOD AND USE THEREOF ~71:MULTITUDE THERAPEUTICS INC., 101, 201, 301, 401, Unit 10, 159 Tianzhou Road, People's Republic of

China ~72: LIU, Shu-Hui;MENG, Xun;SHI, Jing;WENG, Weining~ 33:CN ~31:PCT/CN2022/126273 ~32:19/10/2022;33:CN ~31:PCT/CN2023/118363 ~32:12/09/2023

2025/02885 ~ Complete ~54:METHOD AND SYSTEM FOR STEAM CRACKING ~71:LINDE GMBH, Dr.-Carl-von-Linde-Strasse 6-14, Germany ~72: FRITZ, Helmut;HELFENBEIN, Sebastian;HÖRENZ, Michael;SINN, Tobias;ZELLHUBER, Mathieu~ 33:EP ~31:22020434.1 ~32:09/09/2022

2025/02854 ~ Complete ~54:MULTI-DIRECTIONAL ADJUSTABLE FIXING DEVICE FOR ACOUSTIC EMISSION SENSORS ~71:Xinjiang University, No. 666, Shengli Road, Tianshan District, Urumqi, Xinjiang Uygur Autonomous Region, 830046, People's Republic of China ~72: ALIPUJIANG Jierula;DING Shilong;HAN Fengxia;LIU Qing~ 33:CN ~31:2024113126957 ~32:20/09/2024

2025/02860 ~ Complete ~54:COMPUTER DATA MINING DEVICE BASED ON BIG DATA ~71:XINYU UNIVERSITY, NO. 2666 SUNSHINE AVENUE, HIGH TECH ZONE, XINYU CITY, People's Republic of China ~72: LI, Shiwen;LIU, Jinhua;LIU, Mingqi;LIU, Xueping;LUO, Haiyong~

2025/02864 ~ Complete ~54:CRYSTAL FORMS OF AN ANTI-SARS COV-2 AGENT ~71:ENANTA PHARMACEUTICALS, INC., 4 Kingsbury Avenue, United States of America ~72: HELBLE, Joseph;OR, Yat Sun;TOTO, Anthony;WANG, Tao;WU, George G.;ZHANG, Jiajun;ZHU, Kaicheng~ 33:US ~31:63/413,850 ~32:06/10/2022

2025/02866 ~ Complete ~54:A SAFE AND EFFICIENT MINING METHOD FOR MEDIUM-THICK TO THICK LARGE ORE BODIES UNDER THE QUATERNARY SYSTEM ~71:SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Maanshan, Anhui, 243000, People's Republic of China ~72: HONG Dunmin;HU Yongquan;LIU Peizheng;WANG Jing;XIONG Xianliang;ZHU Shilin~ 33:CN ~31:202410780452X ~32:18/06/2024

2025/02871 ~ Complete ~54:ANTIBODY-DRUG CONJUGATE, PREPARATION METHOD THEREFOR, AND ANTI-TUMOR USE THEREOF ~71:MULTITUDE THERAPEUTICS INC., 101, 201, 301, 401, Unit 10, 159 Tianzhou Road, People's Republic of China ~72: MENG, Xun;WENG, Weining~ 33:CN ~31:PCT/CN2022/126269 ~32:19/10/2022

2025/02876 ~ Complete ~54:IMMUNOGENIC VACCINE COMPOSITION INCORPORATING A SAPONIN ~71:Access to Advanced Health Institute, 1616 Eastlake Avenue East, Suite 400, SEATTLE 98102, WA, USA, United States of America ~72: FOX, Christopher Bradford;VOIGT, Emily~ 33:US ~31:63/375,166 ~32:09/09/2022

2025/02880 ~ Complete ~54:FUNGICIDAL AGENT AND COMPOSITION ~71:INNOSPEC LIMITED, Innospec Manufacturing Park Oil Sites Road, Ellesmere Port, Cheshire, CH65 4EY, United Kingdom ~72: HANNAH LUCY HAZLEHURST;THOMAS ALASTAIR HUBBARD~ 33:GB ~31:2214785.4 ~32:07/10/2022

2025/02881 ~ Complete ~54:SPRAY-DRIED LAUNDRY PARTICLE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ABRAHAM CHACKO;GIRISH KUMAR;KUNAL SHANKAR PAWAR;NADEEM SHAIKH~ 33:EP ~31:22203197.3 ~32:24/10/2022

2025/02886 ~ Complete ~54:METHOD AND A SYSTEM FOR PRODUCING ONE OR MORE OLEFINS ~71:LINDE GMBH, Dr.-Carl-von-Linde-Strasse 6-14, Germany ~72: HÖFEL, Torben;KRACKER, Gunther;SCHMIDT, Gunther~ 33:EP ~31:22020449.9 ~32:19/09/2022

2025/02856 ~ Complete ~54:OUTDOOR OPTICAL STORAGE AND CHARGING DEVICE ~71:Taicang Jinlin Technology Co.,Ltd, Room 812-08, Building11, University Science Park, No.20, Jianxiong Road, Science and Education New Town, Taicang, Suzhou, Jiangsu, 215400, People's Republic of China ~72: Ruiqiu Du~

2025/02858 ~ Complete ~54:COMPOUNDED OIL FIELD CORROSION INHIBITOR AND PREPARATION METHOD THEREOF ~71:CHINA UNIVERSITY OF PETROLEUM(BEIJING), NO.18, FUXUE ROAD, CHANGPING DISTRICT, People's Republic of China;LIAONING PETROCHEMICAL UNIVERSITY, NO. 1, WEST SECTION OF DANDONG ROAD, WANGHUA DISTRICT, FUSHUN CITY, People's Republic of China ~72: SONG, WeiYu;YANG, Jiang;ZHAO, Xiaolong~

2025/02862 ~ Complete ~54:EFFICIENT HEAT DISSIPATION AUTOMATION ELECTRICAL CONTROL BOX ~71:ZHENJIANG TECHNICIAN COLLEGE JIANGSU PROVINCE, NO. 538 CHANGXIANG ROAD WEST AVENUE, DANTU NEW DISTRICT, ZHENJIANG CITY, People's Republic of China ~72: XU, Xue;ZHANG, Meng~

2025/02865 ~ Complete ~54:METAL POWDER FOR ADDITIVE MANUFACTURING ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Manuel SANCHEZ PONCELA~ 33:IB ~31:PCT/IB2022/061807 ~32:06/12/2022

2025/02868 ~ Complete ~54:A COMBINED DUST REDUCTION SYSTEM FOR A METAL MINE UNLOADING STATION AND A METHOD OF USING THE SAME ~71:SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Maanshan, Anhui, 243000, People's Republic of China ~72: JIA Mintao;LI Gang;LI Xiaojian;WANG Shuang;WU Jiangyou;XU Xiuping;ZHOU Wei~ 33:CN ~31:2024101872472 ~32:20/02/2024

2025/02870 ~ Complete ~54:A NEW METHOD FOR RECONSTRUCTING THE FLOOD DISCHARGE SYSTEM IN TAILINGS PONDS ~71:SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Maanshan, Anhui, 243000, People's Republic of China ~72: HU Chao;HU Xiuyu;MAO Quansheng;SHOU Zhenyu;WU Jiangwei;WU Pengcheng~ 33:CN ~31:2024101874800 ~32:20/02/2024

2025/02872 ~ Complete ~54:METHODS OF TREATING CANCERS USING ISOQUINOLINE OR 6-AZA-QUINOLINE DERIVATIVES ~71:BLACK DIAMOND THERAPEUTICS, INC., One Main Street, 14th Floor, United States of America ~72: EATHIRAJ, Sudharshan;EPSTEIN, David M.;HAJDENBERG, Julio José;HAN, Yoon-Chi;JURCZYK, Agata;LIN, Tai-An;NG, Pui Yee;SHIN OGAWA, Luisa;TROMBINO, Anthony F.;YURASOV, Sergey~ 33:US ~31:63/416,305 ~32:14/10/2022;33:US ~31:63/431,997 ~32:12/12/2022;33:US ~31:63/449,757 ~32:03/03/2023;33:US ~31:63/472,037 ~32:09/06/2023

2025/02882 ~ Complete ~54:COMPOSITIONS AND METHODS FOR ENHANCING ADOPTIVE T CELL THERAPEUTICS ~71:NORTHWESTERN UNIVERSITY, 633 Clark Street, Evanston, Illinois, 60208, United States of America;THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 1111 Franklin Street Twelfth Floor, Oakland, California, 94607-5200, United States of America ~72: IOWIS ZHU;JAEHYUK CHOI;JAY DANIELS;JULIE GARCIA;KOLE ROYBAL~ 33:US ~31:63/412,300 ~32:30/09/2022

2025/02861 ~ Complete ~54:PIPELINE CONNECTION DEVICE FOR WATER BALANCE TESTING ~71:INSTITUTE OF WATER RESOURCES FOR PASTORAL AREA, MINISTRY OF WATER RESOURCES, NO.128, EAST DAXUE STREET, SAIHAN DISTRICT, HOHHOT CITY, People's Republic of China ~72: HAN, Zhenhua;JIAO, Rui;LI, Kaixuan;LIANG, Wentao;LIU, Tiejun;XU, Xiaomin~

2025/02869 ~ Complete ~54:A KIND OF WEAR-RESISTANT HIGH STRENGTH REDUCING AGENT FOR DRILLING FLUID AND ITS PREPARATION METHOD ~71:SINOSTEEL MAANSHAN GENERAL INSTITUTE OF

MINING RESEARCH CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Maanshan, Anhui, 243000, People's Republic of China;SINOSTEEL MAANSHAN NEW MATERIAL TECHNOLOGY CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Maanshan, Anhui, 243000, People's Republic of China ~72: CHEN Wei;LIU Lei;LIU Yahui;PENG Lifen;WANG Guanghui;WANG Jun;XU Chuanhua;YANG Jiaxiang~ 33:CN ~31:2024104334861 ~32:11/04/2024

2025/02875 ~ Complete ~54:REFLECTOR PANEL ASSEMBLY ~71:AUSTRALIAN NATIONAL UNIVERSITY, Acton ACT 2601 Australia, Australia ~72: COVENTRY, Joseph Sydney;POTTAS, Johannes Joubert;POTTAS, Roelof Johannes Hendrik~ 33:AU ~31:2022902611 ~32:09/09/2022

2025/02879 ~ Complete ~54:CARBONYL FUSED HETEROCYCLIC DERIVATIVE USED AS UBIQUITIN-SPECIFIC PROTEASE INHIBITOR ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No. 369 Yuzhou South Rd., Lianyungang, Jiangsu, 222062, People's Republic of China ~72: BAOMIN LIU;JINFA HU;YU HUANG;ZONGHAO DAI~ 33:CN ~31:202211144812.4 ~32:20/09/2022;33:CN ~31:202310690391.3 ~32:09/06/2023;33:CN ~31:202311161323.4 ~32:08/09/2023

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2025/02909 ~ Provisional ~54:HOMEMADE HUB IS AN INNOVATIVE ONLINE APPLICATION DESIGNED EXCLUSIVELY FOR HOME ENTREPRENEURS. ~71:Ryno Gouws, 8 Kremetart Ave, Glen Marais, 1619, South Africa, 8 Kremetart avenue, Glen Marais, South Africa ~72: Ryno Gouws~

2025/02888 ~ Provisional ~54:CAPACITIVE SENSING KEYBOARD SWITCHES ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;DE JONGH, Chris Hendrik;LOCHNER, Jacobus Nicolaas;RADEMEYER, Daniël Barend;VILJOEN, Jean~

2025/02893 ~ Complete ~54:KITCHEN WASTE SOLID-LIQUID SEPARATION SYSTEM ~71:BEIJING GEOENVIRON ENGINEERING & TECHNOLOGY, INC., Floor 1, in the underground 1st to 4th floor of Building 13, People's Republic of China;TIANJIN GEOENVIRON ENGINEERING & TECHNOLOGY CO., LTD., No. 1-1-808-03, Finance and Trade Center (North Area), No. 6865, People's Republic of China ~72: CHEN, Jun;DU, Gang;XIN, Yanbing;YANG, Qingbin~

2025/02895 ~ Complete ~54:INTEGRATED UNDERGROUND MINING SYSTEM WITH OSCILLATING POLYCRYSTALLINE DIAMOND CUTTERS AND ADAPTIVE OPERATIONAL CAPABILITIES ~71:BOOII INDUSTRIES (PTY) LTD, 1236 XHOSA STREET TSAKANE BRAKPAN, South Africa ~72: BOOI, Delisile Mackdonald;MASHININI, Wandile Solomon~ 33:ZA ~31:2024/02607 ~32:04/04/2024

2025/02894 ~ Complete ~54:AN ORAL COMPOSITION FOR ANIMALS ~71:INNOVAPOWER (PTY) LTD, 7 Opstal Close, Kanonberg Estate, South Africa ~72: VILJOEN, Ronald Barry~

2025/02902 ~ Complete ~54:METHOD AND DEVICE FOR FINE-TUNING A SELECTED SET OF PARAMETERS IN A DEEP CODING SYSTEM ~71:INTERDIGITAL CE PATENT HOLDINGS, SAS, 3 rue du Colonel Moll, 75017, Paris, France ~72: ANNE LAMBERT;FRANCOIS SCHNITZLER;MUHAMMET BALCILAR;OUSSAMA JOURAIRI~ 33:EP ~31:22306599.6 ~32:21/10/2022

2025/02907 ~ Complete ~54:PACKAGING AND METHODS OF PRODUCTION THEREOF ~71:MCCORMICK (UK) LIMITED, Exchange Tower, 19 Canning Street, United Kingdom ~72: BALI, Atul;FARRELL, Mark;GILLGREN, Kalle;LE GAL, Laurence;SMITH, Nicola;VASISHTA, Viju;ZONCA, Massimo~ 33:GB ~31:2215144.3 ~32:13/10/2022

2025/02889 ~ Provisional ~54:AN E-LEARNING ANALYTICS PLATFORM ~71:UNIVERSITY OF PRETORIA, Corner Lynnwood Road and Roper Street Hatfield, South Africa ~72: OLUWADELE, Deborah~

2025/02890 ~ Complete ~54:HERPES ZOSTER MRNA VACCINE, PREPARATION METHOD THEREFOR, AND USE THEREOF ~71:HANGZHOU TIANLONG PHARMACEUTICAL CO., LTD., No. 430, Jianding Road, Shangcheng District, People's Republic of China ~72: CHAI, Xin;CHEN, Zhongbin;DONG, Kai;GAO, Zhongcai;LI, Jing;LI, Yanfen;SONG, Gengshen;WANG, Huanyu;ZHANG, Jinyu;ZHOU, Yuting~ 33:CN ~31:2024106599960 ~32:27/05/2024

2025/02897 ~ Complete ~54:APPARATUS FOR BRAIDING HAIR ~71:HALO BEAUTY CO., 30 Hopedale Street, Allston, United States of America ~72: AFOLABI, David;ISLAM, Yaseen;KUANG, Quincy;LIN, Yizhao;OGUNBIYI, Elizabeth;STRATFORD, Chris;ZHANG, Qianchi~ 33:US ~31:63/379,955 ~32:18/10/2022

2025/02900 ~ Complete ~54:A CLEANING DEVICE FOR VENTILATION SYSTEMS ~71:TUNAP GMBH & CO. KG, Bürgermeister-Seidl-Straße 2, 82515, Wolfratshausen, Germany ~72: ALEX LANGE;MICHAEL KEIM;MICHAEL ZARNOW;TORSTEN PASENAU~ 33:DE ~31:10 2022 125 655.3 ~32:05/10/2022

2025/02892 ~ Complete ~54:PROCESSES FOR THE RECOVERY OF URANIUM ~71:OCP S.A., 2-4 Rue Al Abtal, Hay Erraha, Casablanca, 20200, Morocco ~72: DRISS DHIBA;MOUNIR EL MAHDI;THOMAS E BAROODY;WILLIAM W BERRY~

2025/02899 ~ Complete ~54:BLAST HEAVE MODELING UTILIZING ENERGY PARTITIONING ~71:DYNO NOBEL INC., 6440 S. Millrock Drive, Suite 150, Salt Lake City, Utah, 84121, United States of America ~72: A B M ABDUL ALI BHUIYAN;CHARLES MICHAEL LOWNDS;DALE S PREECE~ 33:US ~31:63/379,621 ~32:14/10/2022;33:US ~31:18/484,130 ~32:10/10/2023

2025/02901 ~ Complete ~54:USE OF LONG-ACTING FLUTICASONE PROPIONATE INJECTABLE SUSPENSIONS FOR TREATING AND PREVENTING INFLAMMATIONS OF THE GASTROINTESTINAL TRACT ~71:EUPRAXIA PHARMACEUTICALS INC., 2067 Cadboro Bay Road, Unit 201, Victoria, British Columbia, V8R 5G4, Canada ~72: AMANDA MALONE;JAMES HELLIWELL;JAMES PRICE;MURRAY WEBB;NICOLA PRICE;PAUL BRENNAN;TROY LOSS~ 33:US ~31:63/413,167 ~32:04/10/2022

2025/02905 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING CANCER WITH SUBCUTANEOUS ADMINISTRATION OF ANTI-PD1 ANTIBODIES ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065-0907, NJ, USA, United States of America ~72: AKALA, Omobolaji;CHARTASH, Elliot Keith;DE MIRANDA SILVA, Carolina;LALA, Mallika;MAYAWALA, Kapil~ 33:US ~31:63/415,526 ~32:12/10/2022;33:US ~31:63/415,928 ~32:13/10/2022;33:US ~31:63/449,478 ~32:02/03/2023

2025/02908 ~ Complete ~54:HOSE DEVICE FOR SIMULTANEOUSLY TRANSPORTING MULTIPLE ELEMENTS SEPARATELY ~71:ENAEX SERVICIOS S.A., El Trovador 4253, Chile ~72: BARRIGA MELGAREJO, Jonhatan Octavio;LARA MARRO, Gloria del Pilar~

2025/02898 ~ Complete ~54:S1P 1 RECEPTOR MODULATORS FOR USE IN THE TREATMENT OF TYPE 1 IFN MEDIATED DISEASES ~71:VIATRIS ASIA PACIFIC PTE. LTD., 2 Shenton Way, # 18-01, SGX Centre 1, Singapore ~72: MURPHY, Mark;STRASSER, Daniel~ 33:US ~31:63/375,668 ~32:14/09/2022

2025/02904 ~ Complete ~54:BEVERAGE EXTRACTION SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BAUDOZ, Matthieu;CROISIER, Emmanuel;DOGAN, Nihan;TRULLARD, Aurélien~ 33:EP ~31:22195043.9 ~32:12/09/2022

2025/02887 ~ Provisional ~54:4G VIDEO CONFERENCE CAMERA ELECTRONIC SIM CARD WITH AUTO FACE TRACKING WITH BUILT-IN SOCIAL MEDIA APPS. ~71:Ahmed Waseef Saib, 24 Park Avenue, Desainagar, South Africa ~72: Ahmed Waseef Saib~

2025/02891 ~ Complete ~54:SIGNALING GENERAL CONSTRAINTS INFORMATION FOR VIDEO CODING ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No. 18, Haibin Road, Wusha, Chang'an, Dongguan, Guangdong 523860, People's Republic of China ~72: HAOPING YU;JONATHAN GAN;YUE YU~ 33:US ~31:63/266,615 ~32:10/01/2022;33:US ~31:63/266,616 ~32:10/01/2022;33:US ~31:63/266,765 ~32:13/01/2022

2025/02896 ~ Complete ~54:HIGH STRENGTH HIGH SLENDERNESS PART HAVING EXCELLENT ENERGY ABSORPTION AND ANTI-INTRUSION PROPERTIES ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Arnaud COCU;Clément PHILIPPOT~ 33:IB ~31:PCT/IB2022/060637 ~32:04/11/2022

2025/02903 ~ Complete ~54:BEVERAGE EXTRACTION SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: ABRAHAM, Sophie;BAUDOZ, Matthieu;DOGAN, Nihan;TRULLARD, Aurélien~ 33:EP ~31:22195046.2 ~32:12/09/2022

2025/02906 ~ Complete ~54:PEPTIDES FOR INCRETIN SYNTHESIS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: COATES, David Andrew;GUINN, Emily Jeannette;JALAN, Ankur;KIM, Youngsun;KOBIERSKI, Michael Edward;KOPACH, Michael Eugene;MERRITT, Jeremy Miles;MURZINSKI, Emily Suzanne;SELBO, Jon Gordon;TENG, Jing;WANG, Jingyao~ 33:US ~31:63/378,397 ~32:05/10/2022;33:US ~31:63/477,742 ~32:29/12/2022

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2025/02928 ~ Complete ~54:BOREHOLE MEASUREMENT METHOD AND SYSTEM ~71:IMDEX TECHNOLOGIES PTY LTD, 216 Balcatta Road, Western Australia, Australia ~72: BLAINE, Fred;JACKSON, John;KOPLAN, Christopher Thomas~ 33:AU ~31:2022903253 ~32:01/11/2022

2025/02933 ~ Complete ~54:VACCINES FOR RECURRENT RESPIRATORY PAPILLOMATOSIS AND METHODS OF USING THE SAME ~71:Inovio Pharmaceuticals, Inc., 660 W. Germantown Pike, Suite 110, PLYMOUTH MEETING 19462, PA, USA, United States of America ~72: BRODERICK, Kate;RAMOS, Stephanie;REED, Charles;SLAGER, Anna;WALTERS, Jewell;YAN, Jian~ 33:US ~31:63/379,415 ~32:13/10/2022;33:US ~31:63/476,049 ~32:19/12/2022;33:US ~31:63/485,219 ~32:15/02/2023;33:US ~31:63/487,488 ~32:28/02/2023;33:US ~31:63/488,352 ~32:03/03/2023;33:US ~31:63/499,002 ~32:28/04/2023

2025/02937 ~ Complete ~54:GLASS FURNACE ~71:Saint-Gobain Isover, Tour Saint-Gobain, 12, Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: DE DIANOUS, Philippe~ 33:FR ~31:2211071 ~32:25/10/2022;33:FR ~31:2212583 ~32:30/11/2022

2025/02940 ~ Complete ~54:A SYSTEM FOR GENERATING LIQUID WATER FROM AIR ~71:UNIVERSITY OF SOUTH AFRICA, 1 PRELLER STREET MUCKLENEUK RIDGE, South Africa ~72: SNYMAN, Lukas Willem~ 33:ZA ~31:2022/10435 ~32:21/09/2022

2025/02930 ~ Complete ~54:PROPIONIC ACID DERIVATIVE AND USE THEREOF IN MEDICINE ~71:XIZANG HAISCO PHARMACEUTICAL CO., LTD., Xingfu Jiayuan Economic Development Zone, Jieba Town, Naidong District, Lhoka, Tibet, 856099, People's Republic of China ~72: CHEN ZHANG;HAIQING HE;JIA NI;LE WANG;PANGKE YAN;PING HE;PINGMING TANG;QI WEI;YAJUN ZHONG;YAN YU;YAO LI;ZHAOLI XUAN~ 33:CN ~31:202211104699.7 ~32:09/09/2022;33:CN ~31:202211391154.9 ~32:11/11/2022;33:CN

~31:202310000075.9 ~32:05/01/2023;33:CN ~31:202310157111.2 ~32:23/02/2023;33:CN ~31:202310546078.2 ~32:16/05/2023;33:CN ~31:202310900169.1 ~32:21/07/2023

2025/02931 ~ Complete ~54:TREATMENT OF CANCERS USING COMBINATIONS OF SMARCA2 DEGRADERS AND KRAS TARGETING THERAPIES ~71:PRELUDE THERAPEUTICS, INCORPORATED, 175 Innovation Boulevard, Wilmington, Delaware, 19805, United States of America ~72: ANDREW COMBS;KOICHI ITO~ 33:US ~31:63/378,094 ~32:03/10/2022

2025/02935 ~ Complete ~54:FULLY SEALED DOWN THE HOLE HAMMER ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: BRUANDET, Olivier~ 33:EP ~31:22208586.2 ~32:21/11/2022

2025/02939 ~ Complete ~54:CYCLIC PEPTIDES FOR TRAPPING INTERLEUKIN-1 BETA ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065, NJ, USA, United States of America ~72: BIANCHI, Elisabetta;COLARUSSO, Stefania;CRUZ, Faben A.;FENG, Danqing;GUO, Zhuyan;HANISAK, Jennifer;HICKEY, Jennifer L.;JAYNE, Charles Lee;KEKEC, Ahmet;LO, Michael Man-Chu;NIZI, Emanuela;PAVONE, Francesca;PLUMMER, Christopher W.;YOUSIF, Ali Munaim~ 33:US ~31:63/352,283 ~32:15/06/2022;33:US ~31:63/496,265 ~32:14/04/2023

2025/02919 ~ Complete ~54:PRIMER PAIR, PROBE AND METHOD FOR DETECTING BANANA STREAK VIRUS ~71:INSTITUTE OF NANFAN & SEED INDUSTRY, GUANGDONG ACADEMY OF SCIENCE, NO. 10, SHILIUGANG ROAD, People's Republic of China ~72: CEHNG, Yinjie;CHANG, Hailong;LIANG, Qinggan;QIN, Yuanxia;SUN, Shengren;WANG, Jianqiang;WANG, Qinnan;WANG, Zhuqing;WU, Qingdan;XIAO, Hongyan~

2025/02926 ~ Complete ~54:MODIFIED ONCOLYTIC PARVOVIRUS H-1PV WITH AN ENHANCED FITNESS AND SUPERIOR ANTICANCER ACTIVITY ~71:DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS, Im Neuenheimer Feld 280, Germany ~72: AUTENRIETH, Stella;HOFMANN, Ilse;LI, Junwei;PUSCHHOF, Jens;RICHTER, Karsten;TESSMER, Claudia~ 33:EP ~31:22194570.2 ~32:08/09/2022

2025/02912 ~ Provisional ~54:SMART HOUSEHOLD ADMD REDUCTION DEVISE ~71:Frederick Sithole (GPA), 113 Savannah country estate, 0054, South Africa ~72: Frederick Silence Sithole~

2025/02913 ~ Provisional ~54:METHOD AND SYSTEM OF EMBEDDING A BRAND ON A COVER IMAGE ~71:Tiego Lucas Malahlela, 5 Mimosa Ave, South Africa ~72: Tiego Lucas Malahlela~

2025/02914 ~ Complete ~54:CULTIVATION METHOD FOR MAINTAINING STABLE SUPPLY OF NITROGEN FERTILIZER IN LOW LATITUDE AND HIGH ALTITUDE ARID SOIL ~71:Huize County Agricultural Technology Extension Center, No. 18 Faruheng Street, Baoyun Street, Huize County, Qujing City, Yunnan Province, 654299, People's Republic of China;Huize County Malu Township Agricultural and Rural Comprehensive Service Center, Malu Township Government, Huize County, Qujing City, Yunnan Province, 654205, People's Republic of China;Institute of Grain Crops, Yunnan Academy of Agricultural Sciences, 2238 Beijing Road, Panlong District, Kunming City, Yunnan Province, 650205, People's Republic of China ~72: CHAI Hongyan;DENG Wei;GUAN Junjiao;JI Jiagao;LAN Duo;LI Qiongxian;LI Sheping;LI Xiaolin;LYU Ying;YAN Lizheng;YANG Liping;ZHANG Jianhua;ZHANG Xingfu~

2025/02916 ~ Complete ~54:BIOLOGICAL AGENT FOR CONTROLLING ATRIJUGLANS HETAOHEI YANG AND ITS APPLICATION ~71:Shandong Institute of Pomology, No.64 Longtan Road, Tai'an City, Shandong Province, People's Republic of China ~72: DONG Fang;SUN Jiazheng;WU Haibin;ZHANG Ganyu;ZHANG Yong~

2025/02929 ~ Complete ~54:HETEROCYCLIC DERIVATIVES AS JANUS KINASE INHIBITORS ~71:CHIESI FARMACEUTICI S.P.A., Via Palermo, 26/A, 43122, Parma, Italy ~72: ALBERTO CUZZOLIN;ALESSANDRO ACCETTA;ANDREA RIZZI;CLAUDIO FIORELLI;FABIO RANCATI;IVAYLO JIVKOV ELENKOV;MILAN MESIC~ 33:EP ~31:22194841.7 ~32:09/09/2022

2025/02932 ~ Complete ~54:A FLUID FLOW SYSTEM AND FLUID CONTROL SYSTEM ~71:NorthStar Medical Technologies, LLC, 1800 Gateway Blvd., BELOIT 53511, WI, USA, United States of America ~72: BLUEMNER, Erik;LUST, Dorian;RYAN, Kaela~ 33:US ~31:63/426,565 ~32:18/11/2022

2025/02938 ~ Complete ~54:AEROSOL DELIVERY SUBSYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: COWAN, Dean;LI, Ruifan;LIU, Hongqiang;XU, Xiaofeng~ 33:CN ~31:2022112814306 ~32:19/10/2022;33:CN ~31:2023100929534 ~32:03/02/2023;33:GB ~31:2307360.4 ~32:17/05/2023;33:GB ~31:2307362.0 ~32:17/05/2023

2025/02942 ~ Complete ~54:PRINTING DEVICE FOR ADDITIVE MANUFACTURING PROCESSES WITH SCREW DEVICE FOR MATERIAL FEED ~71:DIHESYS DIGITAL HEALTH SYSTEMS GMBH, Marie-Curie-Strasse 19, Germany ~72: DACHTLER, Markus;HUBER, Gerald~ 33:DE ~31:20 2022 002 120.8 ~32:26/09/2022

2025/02915 ~ Complete ~54:ABNORMAL VEHICLE MONITORING SYSTEM FOR EXPRESSWAY TUNNELS ~71:YUNNAN COMMUNICATIONS INVESTMENT & CONSTRUCTION GROUP CO., LTD., 37 Qianxing Road, Kunming City, Yunnan Province, People's Republic of China ~72: CHONG Pengyun;DONG Qian;GAO Yuan;GAO Zhiwei;HE Fei;LI Linqing;MA Chi;YIN Hui;ZHOU Yunzhu~

2025/02918 ~ Complete ~54:STABLE-LOADING METHOD OF ENGINEERING MODULES ~71:Tianjin University, No.135 Yaguan Road, Jinnan District, Tianjin, 300354, People's Republic of China ~72: LI Chengfeng;LI Zhenmian;XU Yujun;YU Yang~

2025/02944 ~ Provisional ~54:BALLOTWISE : A SYSTEM AND METHOD FOR AI-BASED BALLOT PAPER VOTE COUNTING ~71:Solomon Moriti, 1308 Unit1, South Africa ~72: Solomon Moriti;Solomon Moriti~ 33:ZA ~31:N/A ~32:06/04/2025

2025/02917 ~ Complete ~54:DYNAMIC EMERGENCY RESOURCE ALLOCATION METHOD FOR HAZARDOUS MATERIAL TRANSPORTATION NETWORKS INTEGRATING COMMUNITY DIVISION AND MEAN-VARIANCE OPTIMIZATION ~71:YUNNAN COMMUNICATIONS INVESTMENT & CONSTRUCTION GROUP CO., LTD., 37 Qianxing Road, Kunming City, Yunnan Province, People's Republic of China ~72: CHAI Linlin;CHEN Bianning;CHEN Qungui;CHENG Wenming;CHONG Pengyun;DAI Hongbin;DONG Qian;GAO Yuan;JIN Meng;LI Baihua;LI Linqing;LI Ming;LI Xiaolin;LIU Chengtao;LIU Weida;LIU Zhaodong;LYU Min;NIE Shengguo;QIAN Qiang;QIAO Yuezhi;SA Yu;SHI Dong;TANG Yuanyuan;WANG Jinbao;WANG Shuaiyi;WANG Zhenxing;WU Xiaoning;XU Zilong;YIN Hui;ZHANG Hui;ZHANG Zhendong;ZHOU Xuan;ZHOU Yunzhu;ZHU Kun~

2025/02923 ~ Complete ~54:A COPPER AMINE OXIDASE FROM SOPHORA TONKINENSIS GAGNEP., ITS GENE, AND ITS APPLICATION IN ENHANCING THE CONTENT OF MATRINE AND OXYMATRINE IN PLANTS ~71:GUANG XI BOTANICAL GARDEN OF MEDICINAL PLANTS, No. 189 Changgang Road, Xingning District, Nanning City, People's Republic of China ~72: Fan WEI;Guili WEI;Linxuan LI;Shuangshuang QIN;Ximei LIANG;Ying LIANG~ 33:CN ~31:202411384580.9 ~32:30/09/2024

2025/02925 ~ Complete ~54:HIGH-SPEED MANUFACTURING DEVICE FOR GRANULATED ICE ~71:NINGBO HUIKANG INDUSTRIAL TECHNOLOGY CO., LTD, No. 55 Binhai Fourth Road, Qianwan New Area, Ningbo, Zhejiang, 315300, People's Republic of China ~72: CHEN, Yuepeng;LIU, Xiaofei;WANG, Zhengcong;XIA, Xing~ 33:CN ~31:202411183153.4 ~32:27/08/2024

2025/02934 ~ Complete ~54:ANTI-CLL-1 CHIMERIC ANTIGEN RECEPTORS, ENGINEERED CELLS AND RELATED METHODS ~71:Caribou Biosciences, Inc., 2929 7th Street, Suite 105, BERKELEY 94710, CA, USA, United States of America ~72: EDWARDS, Leslie;KANNER, Steven B.;KELLY, Erin K.;NAMBURI, Sai Valli Srujana~ 33:US ~31:63/383,654 ~32:14/11/2022

2025/02920 ~ Complete ~54:HANDHELD REFEREE SIGNALING DEVICE ~71:DE SWARDT, Wouter, 5 Mussel Road, Richwood, South Africa ~72: DE SWARDT, Wouter~

2025/02921 ~ Complete ~54:DEVICE, ANCHOR ROD AND METHOD FOR ENHANCING ANCHORING PERFORMANCE OF ANCHOR ROD ~71:Hebei University of Engineering, No. 19 Taiji Road, Handan Economic and Technological Development Zone, Handan City, Hebei Province, 056038, People's Republic of China ~72: HAN Zhe;HUANG Yubo;PANG Hui;YANG Jiaran;ZHANG Zhenquan~ 33:CN ~31:2024107044343 ~32:03/06/2024

2025/02922 ~ Complete ~54:A METHOD FOR PREDICTING TOTAL NITROGEN LEVELS IN WASTEWATER USING OPTIMIZED MACHINE LEARNING ~71:Aparna K G, D/o. Mr. R Gangadharan Nair Pranavam, Choolatheruvu P. O, Muthukulam (N), Harippad, Alappuzha, Kerala, 690506, India;J. Angel Arul Jothi, D/o. Mr. A. Joseph, F207, Iris Court, Railway Station Road, Mahindra world city, Paranur, Chennai, Tamil Nadu, 603002, India;R Swarnalatha, D/o. Dr. G Rajaguru, No. 12/32 TNGO Colony, 2nd Street Nanganallur, Chennai, Tamil Nadu, 600061, India ~72: Aparna K G;J. Angel Arul Jothi;R Swarnalatha~ 33:IN ~31:202541023126 ~32:15/03/2025

2025/02924 ~ Complete ~54:FRUIT AND VEGETABLE IMAGE RECOGNITION SYSTEM OF SMART REFRIGERATORS BASED ON CONVOLUTIONAL NEURAL NETWORK AND METHOD THEREFOR ~71:NINGBO HUIKANG INDUSTRIAL TECHNOLOGY CO., LTD, No. 55 Binhai Fourth Road, Qianwan New Area, Ningbo, Zhejiang, 315300, People's Republic of China ~72: CHEN, Yuepeng;CHENG, Zhongxiang;MAO, Binjun;WANG, Wei~ 33:CN ~31:202410929398.0 ~32:11/07/2024

2025/02936 ~ Complete ~54:CONCRETE SEGMENT OF A SECTION OF A TOWER OF A WIND TURBINE AND ADAPTER OF A TOWER OF A WIND TURBINE TOWER ~71:Nordex Energy SE & Co. KG, Langenhorner Chaussee 600, HAMBURG 22419, GERMANY, Germany;Nordex Energy Spain, S.A.U., P.I. Barasoain, Parcela 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: ARLABÁN, Teresa;GARCÍA MAESTRE, Iván;GARDUÑO, Aitor;GONZÁLEZ, Miguel;ONGAY, Jon;RUBIO GUILLEN, Iñigo~ 33:EP ~31:22382884.9 ~32:27/09/2022;33:EP ~31:22382885.6 ~32:27/09/2022;33:EP ~31:23382631.2 ~32:21/06/2023

2025/02941 ~ Complete ~54:NEW N-HETEROARYLBENZAMIDES DERIVATIVES AS FLT3 INHIBITORS ~71:BIODOL THERAPEUTICS, 165 rue Denis Papin, France;CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3 rue Michel Ange, France;INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), 101 rue de Tolbiac, France;UNIVERSITE DE MONTPELLIER, 163 rue Auguste Broussonnet, France;UNIVERSITE DE STRASBOURG, 4 rue Blaise Pascal, France ~72: MORNAT, Pauline;ROGNAN, Didier;SOKOLOFF, Pierre~ 33:EP ~31:22306531.9 ~32:11/10/2022

2025/02910 ~ Provisional ~54:SYSTEM AND METHOD FOR A BLOCKCHAIN AND AI-POWERED VEHICLE SALES AND REFERRAL MARKETING PLATFORM ~71:Kabelo Diale, 7 Comet Street, South Africa;Takalene Tony Matshinyatsimbi, 86 Caroline Street, South Africa ~72: KABELO DIALE;TAKALNE TONY MATSHINYATSIMBI~

2025/02911 ~ Provisional ~54:CELL BASED THERAPY FOR THE SEVERE ACUTE RESPIRATORY SYNDROME-RELATED CORONAVIRUS 2 (SARS-COV-2) LINEAGE WITH MULTIPLE SPIKE MUTATIONS AND RELATED VARIANTS ~71:Jonathan Lembelani Daka, 9 Swart Drive, President Park,, 7 Lindos complex,

Midrand, South Africa;Lungile Melly Ndlovu, 1728 Mazibuko Street, South Africa ~72: Jonathan Lembelani Daka;Lungile Melly Ndlovu~

2025/02927 ~ Complete ~54:IMPACT ATTENUATION SYSTEM ~71:NIA HELMETS PTY LTD, PO Box 1777 Western Australia, Australia ~72: ATTEY, Graeme Scott~ 33:AU ~31:2022903239 ~32:31/10/2022;33:AU ~31:2023900019 ~32:05/01/2023;33:AU ~31:2023901819 ~32:08/06/2023

2025/02943 ~ Provisional ~54:ELECTRONEGATIVE FIELD FUSION SYSTEM (EFFS) ~71:William Henry John Field, Fordyce Road, South Africa ~72: William Henry John Field~ 33:OA ~31:Electronegative Field Fusion System G21B 1/100 ~32:06/04/2025

. - APPLIED ON 2025/04/08 -

2025/03023 ~ Provisional ~54:HEARTSAFE: A SECURE FAMILY LEGACY AND MEMORY VAULT PLATFORM ~71:Solomon Moriti, 1308 Unit 1, South Africa ~72: Solomon Moriti~ 33:ZA ~31:N/A ~32:07/04/2025

2025/02946 ~ Provisional ~54:DRAW-READY PETRI DISH ~71:Dr Mohamed Iqbal Cassim, 99 Oxford Road, Saxonwold, JOHANNESBURG, South Africa ~72: Dr Mohamed Iqbal Cassim~

2025/02949 ~ Provisional ~54:REKORDA: AN AI-BASED STOCK COUNTING SYSTEM USING SMARTPHONE IMAGE RECOGNITION ~71:Solomon Moriti, 1308 Unit 1, South Africa ~72: Solomon Moriti~ 33:ZA ~31:N/A ~32:07/04/2025

2025/02956 ~ Complete ~54:CULTIVATION METHOD FOR IMPROVING DROUGHT RESISTANCE OF LOW-LATITUDE AND HIGH-ALTITUDE DRYLAND CROPS ~71:Huize County Agricultural Technology Extension Center, No. 18 Faruheng Street, Baoyun Street, Huize County, Qujing City, Yunnan Province, 654299, People's Republic of China;Huize County Malu Township Agricultural and Rural Comprehensive Service Center, Malu Township Government, Huize County, Qujing City, Yunnan Province, 654205, People's Republic of China;Institute of Grain Crops, Yunnan Academy of Agricultural Sciences, 2238 Beijing Road, Panlong District, Kunming City, Yunnan Province, 650205, People's Republic of China ~72: CHAI Hongyan;DENG Wei;GUAN Junjiao;JI Jiagao;LAN Duo;LI Qiongxian;LI Sheping;LI Xiaolin;LYU Ying;YAN Lizheng;YANG Liping;ZHANG Jianhua;ZHANG Xingfu~

2025/02959 ~ Complete ~54:OUTDOOR EFFICIENT WATER QUALITY POLLUTANT TOXICITY DETECTION DEVICE ~71:TAIZHOU UNIVERSITY, 1139 SHIFU ROAD, JIAOJIANG DISTRICT, TAIZHOU, People's Republic of China ~72: HUANG, Siyu;MA, Chenyi;YUAN, Yuxuan;ZHU, Ya~

2025/02967 ~ Complete ~54:NUCLEIC ACID ACTIVE AGENTS AGAINST VARIOUS PLANT PATHOGENS ~71:MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG, Universitätsplatz 10, Germany ~72: BEHRENS, Sven-Erik;GAGO-ZACHERT, Selma Persida;GHASEMZADEH, Aysan;GURSINSKY, Torsten;KNOBLICH, Marie~ 33:EP ~31:22205810.9 ~32:07/11/2022

2025/02968 ~ Complete ~54:ASSEMBLED PEDESTAL AND METHOD ~71:China Railway Group Limited, Room 918, Building 1, Yard 128, W. Section of the S. 4th Ringroad, Fengtai District, Beijing, People's Republic of China;China Railway No.4 Engineering Group Co., Ltd., No. 96, Wangjiang East Road, Baohe District, Hefei, Anhui, People's Republic of China;The Fifth Engineering Co., Ltd. of CREC No. 4 Group, No. 968, Changhong Avenue, Lianxi District, Jiujiang City, Jiangxi Province, People's Republic of China ~72: BAO, Zheng sheng;FANG, Xing chu;FENG, Yang hao;HUANG, Shi yu;JI, Yang;LIAO, Guang dan;LIU, Fu;LIU, Kun;SHI, Chun guang~ 33:CN ~31:2024105378886 ~32:30/04/2024

2025/02971 ~ Complete ~54:PHARMACEUTICAL COMPOSITION AND USE THEREOF ~71:Akeso Biopharma, Inc., 6 Shennong Road, Torch Development Zone, ZHONGSHAN 528437, GUANGDONG, CHINA (P.R.C.), People's Republic of China;Akeso Pharmaceuticals, Inc., 158, Kangyao Road, South, Huangpu, GUANGZHOU 510799, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: LI, Baiyong;WANG, Zhongmin;XIA, Yu~ 33:CN ~31:202211101982.4 ~32:09/09/2022

2025/02978 ~ Complete ~54:MULTIPLE SOURCE CONTAINER ~71:NorthStar Medical Technologies, LLC, 1800 Gateway Blvd., BELOIT 53511, WI, USA, United States of America ~72: LUST, Dorian~ 33:US ~31:63/431,413 ~32:09/12/2022

2025/02953 ~ Complete ~54:BADMINTON SPORTS TRAINING EQUIPMENT ~71:Zhaoqing University, No. 55, Zhaoqing Avenue, Duanzhou District, Zhaoqing City, Guangdong Province, People's Republic of China ~72: WANG Juan~

2025/02957 ~ Complete ~54:SURFACE-FUNCTIONALIZED POLYVINYLIDENE FLUORIDE HOLLOW FIBER COMPOSITE NANOFILTRATION MEMBRANE AND PREPARATION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: REN Haibo;WANG Chuanfeng~

2025/02961 ~ Complete ~54:METHOD AND DEVICE FOR ORE GRADE ASSESSMENT ~71:CGNPC URANIUM RESOURCES CO., LTD, No. 17, Yongwai zheng Street, Nanchang, People's Republic of China ~72: CAI XINGQI;CHEN HONGZAHNG;CHEN NING;DENG HONGZE;LIU YULONG;QIN CHAOFEI;RONG JIANFENG~

2025/02974 ~ Complete ~54:A FILLING AND SUPPORT CONTAINER ~71:DSI Schaum Chemie Sp. z o.o., Podleska 76, MIKOLÓW 43-190, POLAND, Poland ~72: KUŹMA, Henryk;KUŹMA, Tomasz;PENCZEK, Robert;SZATAN, Bartosz~ 33:PL ~31:P.443352 ~32:30/12/2022

2025/02976 ~ Complete ~54:ADAPTER OF A TOWER OF A WIND TURBINE TOWER AND CONCRETE SECTION OF A TOWER OF A WIND TURBINE ~71:Nordex Energy SE & Co. KG, Langenhorner Chaussee 600, HAMBURG 22419, GERMANY, Germany;Nordex Energy Spain, S.A.U., P.I. Barasoain, Parcela 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: ARLABÁN, Teresa;GARCÍA MAESTRE, Iván;RUBIO GUILLEN, Iñigo~ 33:EP ~31:22382884.9 ~32:27/09/2022;33:EP ~31:22382885.6 ~32:27/09/2022;33:EP ~31:23382623.9 ~32:21/06/2023

2025/02979 ~ Complete ~54:LIPID COMPOUND FOR NUCLEIC ACID DELIVERY, AND RELATED USE AND MEDICAMENT COMPRISING SAME ~71:BEIJING BAISHIHEKANG PHARMACEUTICAL TECHNOLOGY (BSJPHARMA) CO., LTD, Room 332, 3rd Floor, Building 3, Tiandi Linfeng, No. 1 Yongtaizhuang North Road, Haidian District, Beijing, 100192, People's Republic of China ~72: CHENGYU JIANG;JIAQI LIU;XINYI DU~ 33:CN ~31:202211144019.4 ~32:20/09/2022;33:CN ~31:202310721211.3 ~32:16/06/2023;33:CN ~31:202311034019.3 ~32:16/08/2023

2025/02986 ~ Complete ~54:SYSTEMS AND METHODS FOR HIGH-THROUGHPUT PREDICTIONS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: AKSHAYA RAGHAVAN;WEN FURY~ 33:US ~31:63/429,949 ~32:02/12/2022

2025/02948 ~ Provisional ~54:REKORDA SMART PARKING: A VISION-BASED PARKING ALLOCATION SYSTEM USING LICENSE PLATE RECOGNITION ~71:Solomon Moriti, 1308 Unit 1, South Africa ~72: Solomon Moriti~ 33:ZA ~31:N/A ~32:07/04/2025

2025/02951 ~ Complete ~54:HOMOGENEOUS CHEMILUMINESCENT RECEPTOR MICROSPHERE AND PREPARATION METHOD THEREFOR ~71:Beijing Yunling Bio-Technology Co.,Ltd, No.2 Jian'an Street, Beijing

Economic Development Zone, Daxing District, Beijing, 100023, People's Republic of China ~72: CUI, Yuanyuan;HE, Jianzhen;LIN, Yujie;LIU, Yu;REN, Heshan;SU, Dingran;WANG, Jinheng;WANG, Yangliu;WU, Jiajing;XIA, Pengwei~

2025/02963 ~ Complete ~54:HIERARCHICAL TEXT CLASSIFICATION METHOD AND SYSTEM FOR CONFUSION OF FINE-GRAINED LABELS ~71:ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, 318 Liuhe Road, Xihu District, Hangzhou City, People's Republic of China ~72: CHI, Liang;HE, Cheng;HE, Yachen;SHA, Sha;ZHANG, Lijuan;ZHOU, Juncheng~ 33:CN ~31:2024119935584 ~32:31/12/2024

2025/02964 ~ Complete ~54:COMPOUNDS, COMPOSITIONS AND METHODS ~71:LANOVA MEDICINES LIMITED, Cailun Road, Building 1, Floor 5, Pudong New Area, People's Republic of China ~72: HUANG, Wentao;LI, Runsheng;LIU, Zhifang;ZANG, Ying Qin~ 33:CN ~31:PCT/CN2022/124073 ~32:09/10/2022

2025/02969 ~ Complete ~54:HOT ROLLING WITH RESIDUAL ELEMENTS ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Ronan JACOLOT;Thierry IUNG~ 33:IB ~31:PCT/IB2022/061683 ~32:02/12/2022

2025/02981 ~ Complete ~54:CALCIUM VOLTAGE-GATED CHANNEL AUXILIARY SUBUNIT GAMMA 1 (CACNG1) BINDING PROTEINS AND CACNG1-MEDIATED DELIVERY TO SKELETAL MUSCLE ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591-6706, United States of America ~72: AMY HAN;ANDREW J MURPHY;MICHAEL STEC;SANDRA KLEINER;TREVOR STITT~ 33:US ~31:63/382,418 ~32:04/11/2022;33:US ~31:63/422,845 ~32:04/11/2022;33:US ~31:63/525,901 ~32:10/07/2023

2025/02952 ~ Complete ~54:DRILLING SLUDGE WATER RECYCLING DEVICE ~71:Gansu Lingtai Shaozhai Coal Industry Co., Ltd., Shaozhai Coal Industry Company, Shaozhai Town, Lingtai County, Pingliang City, Gansu Province, 744401, People's Republic of China ~72: BAO, Fulong;HAN, Jiacheng;LIU, Qingquan;MA, Honglin;WANG, Haidong;ZHAO, Yongbao;ZHU, Kai~

2025/02954 ~ Complete ~54:ENVIRONMENT - ADAPTABLE TRAIN INTELLIGENT RISK - AVOIDANCE METHOD, DEVICE, AND TRAIN ONBOARD TERMINAL ~71:YUNNAN COMMUNICATIONS INVESTMENT & CONSTRUCTION GROUP CO., LTD., 37 Qianxing Road, Kunming City, Yunnan Province, People's Republic of China ~72: CHAI Linlin;CHEN Bianning;CHEN Qungui;CHENG Wenming;CHONG Pengyun;DAI Hongbin;DONG Qian;GAO Yuan;JIN Meng;LI Baihua;LI Linqing;LI Ming;LI Xiaolin;LIU Chengtao;LIU Weida;LIU Zhaodong;LYU Min;NIE Shengguo;QIAN Qiang;QIAO Yuezhi;SA Yu;SHI Dong;TANG Yuanyuan;WANG Jinbao;WANG Shuaiyi;WANG Zhenxing;WU Xiaoning;XU Zilong;YIN Hui;ZHANG Hui;ZHANG Zhendong;ZHOU Xuan;ZHOU Yunzhu;ZHU Kun~

2025/02958 ~ Complete ~54:METHOD FOR REMEDIATING BANANA (MUSA SPP.) CONTINUOUS CROPPING OBSTACLE-AFFECTED SOIL ~71:Hainan Baolvchun Agricultural Development Co., Ltd., 10th Floor, Zone B, Aili Building, Changdi Road, Zhongshan Sub-district, Longhua District, Haikou City, Hainan Province, People's Republic of China ~72: Fu Hongwen~ 33:CN ~31:2024110160528 ~32:27/07/2024

2025/02960 ~ Complete ~54:METHOD AND DEVICE FOR ESTABLISHING AND CALIBRATING THE SCALE MODEL OF MOBILE TRUCK SCANNING STATION ~71:CGNPC URANIUM RESOURCES CO., LTD, No. 17, Yongwai zheng Street, Nanchang, People's Republic of China ~72: CAI XINGQI;CHEN HONGZHANG;CHEN NING;CHEN RUI;DENG HONGZE;DONG WENMING;HAO JINGLONG;LIU YULONG;QIN CHAOFEI;WANG RENBO;ZHANG XIONGJIE~

2025/02962 ~ Complete ~54:A TRIMERCAPTOTRIAZINE TRISODIUM SALT CORROSION INHIBITION FUNGICIDE AND A PREPARATION METHOD AND APPLICATION THEREOF ~71:Sichuan Kete Test

Technology Company Limited, No.11, Section 3 of Shaoxing Road, Guanghan City, Deyang City, Sichuan Province, 618300, People's Republic of China;Southwest Petroleum University, No. 8 Xindu Avenue, Xindu District, Chengdu City, Sichuan Province, 610599, People's Republic of China ~72: Guihong Lan;Hongyu Tang;Jiang Liao;Jianming Wang;Ketao Cai;Pan Xu;Qiang Feng;Sha He;Si Duan;Weilin Deng;Xiaohua Tang;Yanfeng Zhao;Yisi Liu;Yonggang Deng;Yunhao Yang;Yusheng Wu~ 33:CN ~31:202510066896.1 ~32:16/01/2025

2025/02966 ~ Complete ~54:ELECTRODE AND ELECTROCHEMICAL CELL ~71:CERES INTELLECTUAL PROPERTY COMPANY LIMITED, Viking House, Foundry Lane, Horsham, West Sussex, United Kingdom ~72: HJALMARSSON, Per;LEAH, Robert;MACAULEY, Chandra~ 33:GB ~31:2213383.9 ~32:13/09/2022

2025/02973 ~ Complete ~54:CONCRETE SEGMENT OF A SECTION OF A WIND TURBINE TOWER AND A MOULD CONFIGURED TO CAST A CONCRETE SEGMENT ~71:Nordex Energy Spain, S.A.U., P.O. Box, Polígono Industrial Barasoain, Parcela 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: GARCÍA MAESTRE, Iván;GARDUÑO, Aitor~ 33:EP ~31:22382883.1 ~32:26/09/2022

2025/02980 ~ Complete ~54:CATARACT SURGICAL INSTRUMENT ~71:RUGAO WEN NUO MEDICAL TECHNOLOGY CO., LTD., Room 4-2, Building 301, Pu Xingyuan, Ruchang Street, Rugao Nantong, Jiangsu, 226500, People's Republic of China ~72: CHENGPING CAI;SHULONG LIU~ 33:CN ~31:202211613159.1 ~32:15/12/2022

2025/02982 ~ Complete ~54:NOTCH4 ANTIBODIES, COMPOSITIONS, AND METHODS FOR TREATING AIRWAY INFLAMMATION ~71:ALCEA THERAPEUTICS, INC, Eleven Times Square, Suite 1500A, New York, NY 10036, United States of America ~72: FORTUNATO FERRARA~ 33:US ~31:63/378,479 ~32:05/10/2022

2025/02987 ~ Provisional ~54:WIRELESS FIRE MONITORING SYSTEM ~71:Marius Pretorius, 35 lark crescent greenhills, South Africa ~72: Marius Pretorius~

2025/02988 ~ Provisional ~54:ESTAMP ~71:Siyabonga Sifiso Nxumalo, 77 Hartebeest Street, Leondale, South Africa ~72: Siyabonga Sifiso Nxumalo~

2025/02955 ~ Complete ~54:SYSTEM FOR HIGHWAY TRAFFIC FLOW PREDICTION BASED ON BIG DATA ~71:YUNNAN COMMUNICATIONS INVESTMENT & CONSTRUCTION GROUP CO.,LTD., 37 Qianxing Road, Kunming City, Yunnan Province, People's Republic of China ~72: CHONG Pengyun;DONG Qian;GAO Yuan;GAO Zhiwei;HE Fei;LI Linqing;MA Chi;YIN Hui;ZHOU Yunzhu~

2025/02972 ~ Complete ~54:CONCRETE SEGMENT OF A SECTION OF A WIND TURBINE TOWER, MOULD CONFIGURED TO CAST A CONCRETE SEGMENT AND METHOD OF ASSEMBLING A WIND TURBINE ~71:Nordex Energy Spain, S.A.U., P.O. Box, Polígono Industrial Barasoain, Parcela 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: GARDUÑO, Aitor~ 33:EP ~31:22382883.1 ~32:26/09/2022

2025/02977 ~ Complete ~54:HEAT-TRANSFER FLUIDS WITH LOW ELECTRICAL CONDUCTIVITY COMPRISING OXIME FUNCTIONALITY, METHODS FOR THEIR PREPARATION AND USES THEREOF ~71:Arteco N.V., Metropoolstraat 25, SCHOTEN 2900, BELGIUM, Belgium ~72: CLERICK, Sander~ 33:EP ~31:22210309.5 ~32:29/11/2022

2025/02984 ~ Complete ~54:METHODS OF TREATING ANEMIA USING FORMOTEROL OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF ~71:DANA-FARBER CANCER INSTITUTE, INC., 450 Brookline Avenue, Boston, Massachusetts, 02215, United States of America ~72: LAURIE H GLIMCHER;SHRESTHA GHOSH~ 33:US ~31:63/422,210 ~32:03/11/2022;33:US ~31:63/455,540 ~32:29/03/2023;33:US ~31:63/537,307 ~32:08/09/2023

2025/02985 ~ Complete ~54:A SKIN BRIGHTENING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANAGHA BETADPUR;ANINDYA DASGUPTA;MAITREYEE DUTTA;NIRMALA SANTOSH NAIR;SRIKALA KUMARAN~ 33:EP ~31:22205973.5 ~32:08/11/2022

2025/02945 ~ Provisional ~54:DUAL-ADHESIVE HYBRID ROCK ANCHOR ~71:DURINS BOON MINING (PTY) TLD, 2 Avenue de la Sante, BelAire Winelands Estate, South Africa ~72: CAWOOD, Martin~

2025/02947 ~ Provisional ~54:BACKPACK PROTECTIVE COVER ~71:eesaa muhummad, 4 main avenue killarney, South Africa ~72: eesaa muhummad~

2025/02950 ~ Complete ~54:ZENITH ANGLE MEASURING APPARATUS ~71:Beijing Normal University, No. 19 Xinjiekou Outer Street, Haidian District, Beijing, 100088, People's Republic of China ~72: CHEN, Kebing;YI, Yujun~

2025/02965 ~ Complete ~54:METHODS OF DETERMINING PROTEIN REDUCTION SUSCEPTABILITY ~71:SANOFI, 46 Avenue de la Grande, France ~72: BARBERIO, Antonio;LU, Jiuyi~ 33:US ~31:63/406,994 ~32:15/09/2022;33:EP ~31:23315044.0 ~32:10/03/2023;33:US ~31:63/497,629 ~32:21/04/2023

2025/02970 ~ Complete ~54:MEANS AND METHODS FOR CONTROLLING PATHOGENS AND PESTS IN PLANTS ~71:APHEA.BIO NV, Technologiepark-Zwijnaarde 21, Belgium;FUNDACIÓN CENTRO DE EXCELENCIA EN INVESTIGACIÓN DE MEDICAMENTOS INNOVADORES EN ANDALUCÍA, MEDINA, Avda Conocimiento 34, Parque Tecnológico, Spain ~72: DE MULDER, Thijs;GHODSALAVI, Behnoush;HAMONTS, Kelly;HOUBRAKEN, Michael;IMPERATO, Valeria;LAGAE, Emma;MAINTZ, Jens;SIMON, Thomas;VANDENABEELE, Steven;VERCAUTEREN, Isabel~ 33:EP ~31:22216632.4 ~32:23/12/2022

2025/02975 ~ Complete ~54:CONCRETE SEGMENT OF A SECTION OF A TOWER OF A WIND TURBINE AND ADAPTER OF A TOWER OF A WIND TURBINE TOWER ~71:Nordex Energy SE & Co. KG, Langenhorner Chaussee 600, HAMBURG 22419, GERMANY, Germany;Nordex Energy Spain, S.A.U., Poligono Industrial Barasoain, Parcela 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: ARLABÁN, Teresa;GARCÍA MAESTRE, Iván;GARDUÑO, Aitor Garduño;GONZALEZ, Miguel;ONGAY, Jon Ongay;RUBIO GUILLEN, Iñigo~ 33:EP ~31:22382884.9 ~32:27/09/2022;33:EP ~31:22382885.6 ~32:27/09/2022;33:EP ~31:23382632.0 ~32:21/06/2023

2025/02983 ~ Complete ~54:METHODS FOR PROVIDING PYROLYSIS OIL FROM HOLOCELLULOSE AND LIGNIN COMPRISING BIOMASS ~71:BTG BIOLIQUIDS B.V., Josink Esweg 28, 7545 PN Enschede, Netherlands ~72: ADRIANUS AEGIDIUS JOHANNES TOUSSAINT;ROBERTUS HENDRIKUS VENDERBOSCH;TIJS MERIJN LAMMENS~

. - APPLIED ON 2025/04/09 -

2025/02992 ~ Provisional ~54:RESEALABLE BEVERAGE CAN USING DETACHABLE PULL TAB AND EDGE SEALING MECHANISM ~71:Martin Hempel, 138 Villiers Road, Walmer, South Africa ~72: Martin Hempel~

2025/02997 ~ Complete ~54:PRESSURE SENSOR ARRANGEMENT SYSTEM AND METHOD FOR HYDRODYNAMIC TESTING OF SMALL-DIAMETER PIPELINES ~71:Tianjin University, No.92 Weijin Road, Nankai District, Tianjin, 300072, People's Republic of China ~72: DUAN Qinghao;LI Zhenmian;LIN Jiacheng;YU Yang~

2025/03012 ~ Complete ~54:UE MONITORING FOR LOW POWER WUS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HVIID, Jan, Torst;KNUDSEN, Knud;KOSKINEN, Jussi-Pekka;LASELVA, Daniela;LAURIDSEN, Mads~ 33:FI ~31:20225804 ~32:15/09/2022

2025/03016 ~ Complete ~54:BINDING COMPOSITION FOR ORE AGGLOMERATES ~71:SNF GROUP, Zone d'Activité Commerciale de Milieux, France ~72: BONNEAU, Aurélien;DUCHADEAU, Aurélien;FAVERO, Cédrick;ZAKOSEK, Gilles~ 33:FR ~31:2211510 ~32:04/11/2022

2025/02993 ~ Provisional ~54:ROLLASTRAW - COLLAPSIBLE, BI-STABLE, SELF-SEALING REUSABLE STRAW ~71:Martin Hempel, 138 Villiers Road, Walmer, South Africa ~72: Martin Hempel~

2025/02989 ~ Provisional ~54:IMMIGRATION COMPLIANCE AND CONTRIBUTION FRAMEWORK (ICCF) ~71:Aphiwe Adams, 2 College Avenue, Parklands North, South Africa ~72: Aphiwe Adams~ 33:ZA ~31:ZA2025/0904 ~32:08/04/2025

2025/02996 ~ Complete ~54:METHOD FOR ESTIMATING EXPANSION OF STEEL SLAG MATERIAL BY INFRARED TEMPERATURE MEASUREMENT ~71:Long Jian Road & Bridge Co., Ltd., No.368 Changjiang Road, Nangang District, Harbin, Heilongjiang Province, 150000, People's Republic of China ~72: Chao GAO;Jianwei BI;Lianyong CAO;Shaoyi CHEN;Xinzhi WANG;Xu WANG;Zhenlin ZHANG~ 33:CN ~31:2025100745845 ~32:16/01/2025

2025/03010 ~ Complete ~54:ADAPTIVE INTER-CHANNEL TIME DIFFERENCE ESTIMATION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: JANSSON TOFTGÅRD, Tomas;JANSSON, Fredrik;SEHLSTEDT, Martin~ 33:US ~31:63/406,127 ~32:13/09/2022

2025/03013 ~ Complete ~54:HIGH-EFFICIENCY MULTIFUNCTIONAL MECHANICAL STIRRING DEVICE FOR METAL SMELTING ~71:Zhejiang Suichang Huijin Nonferrous Metals Co., Ltd, Maotian Block, Suichang County Industrial Park, Lishui City, Zhejiang Province, People's Republic of China ~72: Cao Haizhou;Fang Hui;Li Huajie;Lin Jiajia;Lin Kang;Lin Maowei;Liu Zhouyi;Su Wenya;Tang Xiajun;Wan Meng;Zhou Pin;Zhou Yichen~ 33:CN ~31:2024114439446 ~32:16/10/2024

2025/02995 ~ Complete ~54:COMPOSITE MICROBIAL AGENT AND USE THEREOF IN CONTROL OF PHYLLOTRETA STRIOLATA (FABRICIUS) ~71:Institute of Vegetables, Hainan Academy of Agricultural Sciences, No. 9 Liufang Road, Haikou City, Hainan Province, 571199, People's Republic of China;Nankai University, No. 94 Weijin Road, Nankai District, Tianjin, 300071, People's Republic of China ~72: BIAN, Qiang;PANG, Qiangqiang;SUN, Xiaodong;ZHOU, Man~

2025/03017 ~ Complete ~54:COMPOSITIONS AND METHODS FOR EPIGENETIC REGULATION OF HBV GENE EXPRESSION ~71:nChroma Bio, Inc., 201 Brookline Ave., Suite 1101, BOSTON 02215, MA, USA, United States of America ~72: ABUBUCKER, Noorussahar;ANGLERO-RODRIGUEZ, Yesseinia;CAPPELLUTI, Martino Alfredo;JAFFE, Aron Brandon;LOMBARDO, Angelo Leone;MYER, Vic~ 33:US ~31:63/409,607 ~32:23/09/2022;33:US ~31:63/502,328 ~32:15/05/2023;33:US ~31:63/516,063 ~32:27/07/2023;33:US ~31:63/581,229 ~32:07/09/2023

2025/03020 ~ Complete ~54:WATER-SOLUBLE WET WIPES ~71:HEALTH AND EARTH CARE SOLUTIONS PROPRIETARY LIMITED, 5 Lynx Road, Treesbank, Midrand, 1685, SOUTH AFRICA, South Africa ~72: DU PLESSIS, Hendrik Gerhardus;ROSSOUW, Rachel Cornelia~ 33:ZA ~31:2022/04168 ~32:13/04/2022;33:GB ~31:2209817.2 ~32:04/07/2022

2025/03003 ~ Complete ~54:RAS INHIBITORS ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: ADRIAN L GILL;ANDREAS BUCKL;ELENA S KOLTUN;G. LESLIE BURNETT;JAMES AGGEN;JAMES CREGG;JENNIFER PITZEN;JOHN E KNOX;YANG LIU~ 33:US ~31:62/930,355 ~32:04/11/2019;33:US ~31:62/951,652 ~32:20/12/2019;33:US ~31:63/000,357 ~32:26/03/2020;33:US ~31:63/011,636 ~32:17/04/2020;33:US ~31:63/043,588 ~32:24/06/2020

2025/02990 ~ Provisional ~54:DEEP VEIN THROMBOSIS PREVENTION DEVICE AND SYSTEM ~71:KARIMBOCUS, Mohammad, Nawaaz, 39 MOUNTAIN CREST PRIVATE ESTATE, CAROLINA ROAD, KLEIN PARYS, PAARL, 7646, SOUTH AFRICA, South Africa ~72: KARIMBOCUS, Mohammad, Nawaaz~

2025/02994 ~ Complete ~54:PERMEABILITY IMPROVEMENT DEVICE AND METHOD ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: BAI, Jiajia;CHU, Dongliang;CHU, Yapei;DONG, Zhe;LI, Junlong;LIU, Fei;LU, Qiang;NIU, Zehua;OUYANG, Kai;WANG, Man;WANG, Meng;WANG, Yingwei;ZHAO, Xiaoming~

2025/03006 ~ Complete ~54:HIGH SPEED AIR-CUSHIONED VEHICLE ~71:CHINOOK HIGH SPEED RAIL TRANSIT CORP., 600, 4911,-51 Street, Edmonton,, Canada ~72: HANTON, Callum~ 33:US ~31:63/405,265 ~32:09/09/2022

2025/03007 ~ Complete ~54:CYCLIN-DEPENDENT KINASE 7 INHIBITORS ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72: CHEREMUSHKIN, Andrei Ivanovich;CHESTNOVA, Anna Yurievna;EFIMENKO, Nikita Igorevich;GOLUBEV, Artem Alekseevich;GORBUNOVA, Svetlana Leonidovna;IAKOVLEV, Danila Alekseevich;KISELEV, Maksim Aleksandrovich;LENSHMIDT, Liliana Vyacheslavovna;LUKASHENKO, Anton Vladimirovich;MIKHAYLOV, Leonid Evgenevich;MOROZOV, Dmitry Valentinovich;SHARKOV, Dmitrii Evgenievich;SHPAKOVA, Elena Alexandrovna;SMOLNIKOV, Sergei Alexandrovich;VIKENTEVA, Yulia Arturovna;VORONKOVA, Maria Sergeevna~ 33:RU ~31:2022124945 ~32:22/09/2022;33:RU ~31:2023122794 ~32:01/09/2023

2025/03008 ~ Complete ~54:AZOLE PESTICIDAL COMPOUNDS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: ADISECHAN, Ashokkumar;CHAUDHURI, Rupsha;DEFIEBER, Christian;HANDORE, Kishor;KOERBER, Karsten;MAITY, Pulakesh;WAKEHAM, Matthew, Charles, Linford;WINTER, Christian, Harald~ 33:EP ~31:22196425.7 ~32:19/09/2022

2025/03009 ~ Complete ~54:COMMISSIONING OF A TEST ARRANGEMENT ~71:OMICRON ELECTRONICS GMBH, OBERES RIED 1, 6833 KLAUS, AUSTRIA, Austria ~72: BLOCHER, Thomas;REIN, Florian~ 33:AT ~31:A50727/2022 ~32:21/09/2022

2025/03015 ~ Complete ~54:SUPPLY OF FUEL ~71:KHAN, Leonard Ray, 6 Basil Street, Ferndale, Randburg, South Africa;LUNTZ, Ricky, Unit 6, 35 Meyer Street, Oaklands, South Africa ~72: KHAN, Leonard Ray;LUNTZ, Ricky~ 33:ZA ~31:2022/10802 ~32:30/09/2022

2025/03019 ~ Complete ~54:SYSTEM AND METHOD FOR MONITORING AND/OR CONTROLLING AN INTERNAL STATE OF A CENTRIFUGAL PUMP ~71:S.P.M. Instrument AB, Box 504, STRÄNGNÄS 645 25, SWEDEN, Sweden ~72: SUNDSTRÖM, Tim~ 33:IB ~31:2022/050914 ~32:10/10/2022;33:SE ~31:2300027-6 ~32:06/04/2023

2025/03021 ~ Complete ~54:A SOLID FUEL PROPELLED PROJECTILE ~71:NEDERLANDSE ORGANISATIE VOOR TOEGEPAST- NATUURWETENSCHAPPELIJK ONDERZOEK TNO, Anna van Buerenplein 1, Netherlands ~72: VERAAR, Ronald Gerard;WIELING, Wolter Pieter Wilhelmus~ 33:EP ~31:22075015.2 ~32:14/10/2022

2025/02991 ~ Provisional ~54:PREDATOR MATRIX (JUNGLE BEAST) ~71:Yvonne Van Niel, 22 Alacrity Road Bayview Strandfontein 7798, South Africa ~72: Grok;Yvonne Van Niel~

2025/02998 ~ Complete ~54:THERMOPLASTIC POWDER COATING ~71:CASPER COMBRINK INVESTMENTS (PTY) LTD, 17 Pittsburg Road, Apex, South Africa ~72: CASPER J COMBRINK~

2025/02999 ~ Complete ~54:EDIBLE MUSHROOM CULTIVATION DEVICE CAPABLE OF MONITORING CARBON EMISSIONS ~71:Shandong Academy of Agricultural Sciences, No. 23788 Gongye North Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: GAO Xinhao;LI Ran;REN Huaidong;SUN Tao;YAO Li;ZHAO Zichao~

2025/03000 ~ Complete ~54:LITHIUM BATTERY SAFETY CONTROL METHOD AND SYSTEM ~71:Hubei Betteray Technology Co., Ltd., 1001, Zhonghao Building, No. 10, Bagua 4th Road, Shanglin Community, Yuanling Street, Futian District, Shenzhen, Guangdong, People's Republic of China;Hubei Betteray Technology Co., Ltd., Fuyao 1st Road, Duodao District, Jingmen High-tech Zone, Jingmen City, Hubei Province, People's Republic of China ~72: Cai Linjun;Yang Jingyun;Yang Zun~ 33:CN ~31:2024116584139 ~32:20/11/2024

2025/03002 ~ Complete ~54:RAS INHIBITORS ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: ADRIAN L GILL;ANDREAS BUCKL;ANNE V EDWARDS;CHRISTOPHER SEMKO;ELENA S KOLTUN;G. LESLIE BURNETT;JAMES CREGG;JOHN E KNOX;YANG LIU~ 33:US ~31:63/254,013 ~32:08/10/2021

2025/03004 ~ Complete ~54:GRINDING AND POLISHING INTEGRATED METHOD AND APPARATUS FOR DIAMOND WAFER ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, 111 Shenliao West Road, Shenyang Economic And Technological Development Zone, Shenyang, Liaoning, 110027, People's Republic of China ~72: CHENG Zhihui;YUAN Zewei;ZHANG Xiaojing~ 33:CN ~31:2023110033481 ~32:10/08/2023

2025/03011 ~ Complete ~54:METHODS FOR PROSTATE CANCER DETECTION IN SALIVA ~71:LIQUID BIOPSY RESEARCH LLC, Hunkins Waterfront Plaza, P.O. Box 556, Main Street, Saint Kitts and Nevis ~72: DROZDOV, Ignat;KIDD, Mark;MODLIN, Irvin Mark~ 33:US ~31:63/379,190 ~32:12/10/2022

2025/03014 ~ Complete ~54:ELECTRIC DRIVE SYSTEM FOR MACHINE AND ELECTRIC DRIVE CONTROL SYSTEM FOR SAME ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BEYER, Michael D.;BHANDARI, Aditya B.;LISTER, Brian E.~ 33:US ~31:17/964,690 ~32:12/10/2022

2025/03059 ~ Provisional ~54:DISPENSER WITH MEASURING CHAMBER ~71:VAN WYK, Louis Jacobus, 3 Selborne Avenue,, South Africa ~72: VAN WYK, Louis Jacobus~

2025/03001 ~ Complete ~54:SAMPLING DEVICE FOR ENVIRONMENTAL ECOLOGICAL RESTORATION ~71:Yancheng Teachers University, No. 2 South Road, Xiwang Avenue, Yancheng City, Jiangsu Province, 224007, People's Republic of China ~72: Ya XU~

2025/03005 ~ Complete ~54:SUBSTITUTED QUINOLINES AS IMPROVED NF-KB-INDUCING KINASE (NIK) INHIBITORS ~71:CENTRE HOSPITALIER UNIVERSITAIRE DE NICE (CHU NICE), 4 Avenue de la Reine Victoria, France;CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), 3 rue Michel Ange, France;INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE (INSERM), 101 Rue de Tolbiac, France;NIKAIA PHARMACEUTICALS, 50 Boulevard Stalingrad, France;UNIVERSITÉ CÔTE D'AZUR, Grand château, 28 Avenue Valrose, France ~72: BENHIDA, Rachid;BERANGER, Guillaume;DAO, Pascal;FOUSSAT, Arnaud;GOURHANT, Mathilde;HOUACINE, Jemila;PASSERON, Thierry~

2025/03018 ~ Complete ~54:BAG 3 METHODS AND USES FOR TREATMENT OF CARDIAC AMYLOIDOSIS ~71:Temple University of the Commonwealth System of Higher Education, Broad Street and Montgomery Avenue, PHILADELPHIA 19122, PA, USA, United States of America ~72: FELDMAN, Arthur M.~ 33:US ~31:63/376,014 ~32:16/09/2022

2025/03022 ~ Complete ~54:METHOD OF TREATING NEONATES WITH IGF-1 COMPLEX ~71:OAK HILL BIO LIMITED, 3rd Floor, 1 Ashley Road, United Kingdom ~72: BARTON, Norman Walter;CAREY, Galen John;EKSTRÖM, Claes Per;GRAM, Magnus Göran;LEY, David Charles Reginald;ORTENLÖF, Niklas Emanuel~ 33:US ~31:63/378,267 ~32:04/10/2022;33:GB ~31:2315046.9 ~32:29/09/2023

. - APPLIED ON 2025/04/10 -

2025/03025 ~ Complete ~54:ADAPTIVE INTELLIGENT GRAIN SAMPLING DEVICE ~71:Anhui Science And Technology University, No. 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72: DAI, Leifeng;GUAN, Jingwei;QIAO, Yinhu;SUN, Zhicheng;ZHANG, Jiajun~

2025/03033 ~ Complete ~54:LAYERED CODING AND DATA STRUCTURE FOR COMPRESSED HIGHER-ORDER AMBISONICS SOUND OR SOUND FIELD REPRESENTATIONS ~71:DOLBY INTERNATIONAL AB, Apollo Building, 3E Herikerbergweg, 1-35, 1101 CN, Amsterdam Zuidoost, Netherlands ~72: ALEXANDER KRUEGER;SVEN KORDON~ 33:EP ~31:15306591.7 ~32:08/10/2015;33:US ~31:62/361,863 ~32:13/07/2016

2025/03035 ~ Complete ~54:A METHOD OF REMOVING METAL IONS FROM SOLUTION ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, South Africa ~72: POTT, Robert William McClelland;SCHLEBUSCH, Izak David;TADIE, Margreth~ 33:GB ~31:2214049.5 ~32:27/09/2022;33:GB ~31:2302136.3 ~32:15/02/2023

2025/03043 ~ Complete ~54:A KIND OF CONSTRUCTION WASTE RECYCLING TREATMENT DEVICE ~71:Wuhu Institute of Technology, No.201 Wenjin West Road, Yijiang District, Wuhu, Anhui, People's Republic of China ~72: Jiang Weijun;Li Yao;Lu Yufen;Zhuang Huaxia~

2025/03050 ~ Complete ~54:VERIFYING DATA ~71:Sage Global Services Limited, C23 - 5 & 6 Cobalt Park Way, Cobalt Park, NEWCASTLE UPON TYNE NE28 9EJ, TYNE AND WEAR, UNITED KINGDOM, United Kingdom ~72: LATIMER, Christopher~ 33:EP ~31:22207588.9 ~32:15/11/2022;33:GB ~31:2217035.1 ~32:15/11/2022

2025/03058 ~ Complete ~54:TABLETOP GAME ~71:FUN INVENTIONS INC., 255 Fairridge Road, Hamilton, Ontario L8K 5M3, Canada ~72: SKRADSKI, Ivan;SKRADSKI, Nicholas~ 33:US ~31:17/931,278 ~32:12/09/2022

2025/03028 ~ Complete ~54:AN APPARATUS FOR CREATING MICRO-PATTERNS ON SOLID SURFACES ~71:Dr. B. R. Ambedkar National Institute of Technology, G. T. Road, Amritsar Bypass, Jalandhar, Punjab, 144008, India;Dr. Dushyant Singh, Assistant Professor, Dr. B. R. Ambedkar National Institute of Technology, G. T. Road, Amritsar Bypass, Jalandhar, Punjab, 144008, India;Dr. Rajeev Verma, Assistant Professor, Dr. B. R. Ambedkar National Institute of Technology, G. T. Road, Amritsar Bypass, Jalandhar, Punjab, 144008, India;Dr. Saurabh Kango, Assistant Professor, Dr. B. R. Ambedkar National Institute of Technology, G. T. Road, Amritsar Bypass, Jalandhar, Punjab, 144008, India;Dr. Varun Sharma, Assistant Professor, Dr. B. R. Ambedkar National Institute of Technology, G. T. Road, Amritsar Bypass, Jalandhar, Punjab, 144008, India;J Sharath Kumar, Ph.D. Scholar, Dr. B. R. Ambedkar National Institute of Technology, G. T. Road, Amritsar Bypass, Jalandhar, Punjab, 144008, India ~72: Dr. Dushyant Singh;Dr. Rajeev Verma;Dr. Saurabh Kango;Dr. Varun Sharma;J Sharath Kumar~

2025/03041 ~ Complete ~54:SYSTEM AND METHOD FOR CONTROLLING A MOTOR DURING CLUTCH SHIFTING IN A MULTISPEED ELECTRIC DRIVETRAIN ~71:CATERPILLAR INC., 100 NE Adams Street, United

States of America ~72: BARNGROVER, Michael;BEYER, Michael D.;LISTER, Brian E.~ 33:US ~31:18/046,615 ~32:14/10/2022

2025/03054 ~ Complete ~54:NOVEL ATP-SENSITIVE POTASSIUM CHANNEL POTENTIATORS, THEIR PREPARATION AND USE ~71:RHYTHM PHARMACEUTICALS, INC., 222 Berkeley Street, 12th Floor, Boston, Massachusetts, 02116, United States of America ~72: BERTRAND VIVET;CLAUDINE VAN DER SANDE;LAURENCE ANNE MEVELLEC;PIET WIGERINCK~ 33:NL ~31:2033343 ~32:18/10/2022

2025/03056 ~ Complete ~54:TRAFFIC CONTROL METHODS AND SYSTEMS FOR DETERMINING AN OPERATING AREA IN AN UNDERGROUND ENVIRONMENT BEING FREE FROM UNAUTHORIZED MACHINES ~71:EPIROC ROCK DRILLS AKTIEBOLAG, 701 91 Örebro, Sweden ~72: ANDREAS ÖKVIST;RICHARD HENDEBERG~

2025/03112 ~ Provisional ~54:SYSTEM AND METHOD FOR PROVIDING BANKING SERVICE AND TRANSACTIONS. ~71:LUCKY MSIZA, 1108 UNIT-T MABOPANE, South Africa;PAUL DUMISANI MOSEZA, 1075 UNIT T MABOPANE, South Africa ~72: LUCKY MSIZA ;PAUL DUMISANI MOSEZA ~

2025/03032 ~ Complete ~54:CONTROL DEVICE OF MULTIMODAL HUMAN-COMPUTER INTERACTION COLLABORATIVE IN COMPLEX AGRICULTURAL SCENE ~71:SHI Hezi University, Shihezi University, No. 221 Beisi Road, Shihezi, Xinjiang, People's Republic of China ~72: TANG Haocheng;WEI Zikai;ZHANG Ruoyu;ZHAO Yongman~

2025/03051 ~ Complete ~54:SOIL MONITORING ~71:Baker Consultants Limited, West Platform, Cromford Station, Cromford Bridge, MATLOCK DE4 5JJ, DERBYSHIRE, UNITED KINGDOM, United Kingdom ~72: ABRAHAMS, Carlos;BAKER, Andrew~ 33:GB ~31:2214980.1 ~32:11/10/2022;33:GB ~31:2300992.1 ~32:24/01/2023

2025/03061 ~ Provisional ~54:SYSTEM AND METHOD FOR INTEREST-DRIVEN PRODUCT INVESTMENT AND DISTRIBUTION ~71:Keitumetse Cherity Sebele, 5243 Mofutsanyana street, Orlando east,1804, South Africa ~72: Keitumetse Cherity Sebele~

2025/03070 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING LEUKOPENIA, ITS PREPARATION METHOD, AND APPLICATION ~71:BEIJING UNIVERSITY OF CHINESE MEDICINE, No. 11, Bei San Huan Dong Lu, People's Republic of China ~72: NI, Lei~ 33:CN ~31:2024118062082 ~32:10/12/2024

2025/03047 ~ Complete ~54:SPOT-WELDED JOINT, METHOD FOR MANUFACTURING SPOT-WELDED JOINT, AND VEHICLE COMPONENT ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8071, JAPAN, Japan ~72: FURUSAKO, Seiji;KODAMA, Shinji~ 33:JP ~31:2022-206636 ~32:23/12/2022

2025/03053 ~ Complete ~54:BATTERY MANAGEMENT SYSTEM ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BROWN, Alexander C.;EDWARDS, Stephen A.~ 33:GB ~31:2215211.0 ~32:14/10/2022

2025/03026 ~ Complete ~54:AUTOMATIC SAMPLER ~71:Anhui Science And Technology University, No. 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72: DAI, Leifeng;SUN, Zhicheng;WANG, Jue;ZHANG, Chunyan;ZHANG, Jiajun~

2025/03037 ~ Complete ~54:PHARMACEUTICAL INJECTABLE SOLUTION COMPRISING DOPAMINE ~71:CENTRE HOSPITALIER UNIVERSITAIRE DE LILLE, 2 avenue Oscar Lambret, France;INBRAIN PHARMA,

70 Rue du Docteur Yersin, Bio Incubateur Eurasanté, France;INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, 101, rue de Tolbiac, France;UNIVERSITE DE LILLE, 42 Rue Paul Duez, France ~72: DEMAILLY, Alexandre;DEVOS, David;FISICHELLA, Matthieu;ODOU, Pascal~ 33:EP ~31:22306352.0 ~32:14/09/2022

2025/03027 ~ Complete ~54:TELESCOPIC MOVABLE SAMPLER ~71:Anhui Science And Technology University, No. 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72: DAI, Leifeng;SONG, Shuqiang;SUN, Zhicheng;ZHANG, Chunyan;ZHANG, Jiajun~

2025/03030 ~ Complete ~54:GRANULATION DEVICE FOR PRODUCING COMPOSITE MICROBIAL FERTILIZERS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: HAN Yu;JING Haoran;LI Zhi;NIE Xuanli;QI Mengying;WEI Pengfei;ZHANG Qiang~

2025/03040 ~ Complete ~54:ELECTRIC POWERTRAIN WITH RIMPULL TORQUE LIMIT PROTECTION ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BEYER, Michael D.;LISTER, Brian E.~ 33:US ~31:17/965,939 ~32:14/10/2022

2025/03042 ~ Complete ~54:VIDEO CODING USING A CODED PICTURE BUFFER ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRAßE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: BROSS, Benjamin;HELLGE, Cornelius;SCHIERL, Thomas;SKUPIN, Robert;SÁNCHEZ DE LA FUENTE, Yago;WIEGAND, Thomas~ 33:US ~31:17/965,591 ~32:13/10/2022

2025/03052 ~ Complete ~54:AN INTELLIGENT BUILDING PAINTING DEVICE ~71:Wuhu Institute of Technology, No.201 Wenjin West Road, Yijiang District, Wuhu, Anhui, People's Republic of China ~72: Jiang Weijun;Li Yao;Lu Yufen;Zhuang Huaxia~

2025/03068 ~ Complete ~54:A SETARIA ITALICA TAF10 GENE AND ITS CLONING METHOD AND APPLICATION ~71:SHANDONG AGRICULTURAL UNIVERSITY, No.61, Daizong Street, Taian, People's Republic of China ~72: Changai WU;Chengchao ZHENG;Meng ZHANG;Shenghui XIAO;Yichao BAI~

2025/03029 ~ Complete ~54:METHOD FOR CALCULATING EFFECTIVE HYDROLOGICAL CONNECTIVITY INTENSITY INDEX OF WETLAND BASED ON INSAR ~71:Beijing Normal University, No. 19 Xinjiekou Outer Street, Haidian District, Beijing, 100088, People's Republic of China ~72: GAN, Luoyang;LI, Chunhui;LI, Shuzhen;LIU, Qiang;WANG, Xuan;WU, Jianfei~ 33:CN ~31:202411649435.9 ~32:19/11/2024

2025/03038 ~ Complete ~54:MODULAR SYSTEM MODE CONTROLLER AND RELATED METHODS ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BEYER, Michael D.;SHARMA, Ankit;SOPKO, Thomas M.~ 33:US ~31:18/046,690 ~32:14/10/2022

2025/03045 ~ Complete ~54:COMPOSITIONS AND METHODS FOR PREVENTING, AMELIORATING, OR TREATING SICKLE CELL DISEASE AND COMPOSITIONS AND METHODS FOR DISRUPTING GENES AND GENE SEGMENTS ~71:Incisive Genetics, Inc., 301-980 George Street, VANCOUVER V6A 0H9, BRITISH COLUMBIA, CANADA, Canada;The University of British Columbia, 103-6109 AGRONOMY ROAD, VANCOUVER V6T 1Z4, BRITISH COLUMBIA, CANADA, Canada ~72: CARON, Nicholas;HILL, Austin;LEAVITT, Blair;WAGNER, Pamela~ 33:US ~31:63/381,989 ~32:02/11/2022;33:US ~31:63/517,518 ~32:03/08/2023

2025/03049 ~ Complete ~54:NOVALURON MIXTURES FOR EFFICIENT INSECTICIDAL CONTROLS ~71:Adama Makhteshim Ltd., P. O. BOX 60, BEER-SHEVA 8410001, ISRAEL, Israel ~72: ERDOGMUS, Funda;FAURE MLYNSKI , Mariela~ 33:US ~31:63/411,652 ~32:30/09/2022

2025/03060 ~ Provisional ~54:A SMARTCARD,SMARTPHONE AND MULTI-UTILITY PAYMENT APPS IDENTITY VERIFICATION SYSTEM ~71:EZEKIEL RATSHEPHE WRIGHT MAKHENE, 2692 TLHOLOE STREET ZONE 2 CITY OF TSHWANE, South Africa ~72: EZEKIEL RATSHEPHE WRIGHT MAKHENE~

2025/03024 ~ Complete ~54:DYNAMIC MONITORING METHOD FOR SALT LAKE MINERAL RESOURCES ~71:Qinghai Geological Survey, NO.26 Shengli Road, Chengxi District, Xining City, Qinghai Province, People's Republic of China;Qinghai Provincial Qaidam Comprehensive Geological and Mineral Exploration Institute (Qinghai Salt Lake Geological Survey Institute), NO.12 Kunlun South Road, Golmud City, Qinghai Province, People's Republic of China ~72: BAO Shanbin;HAN Guang;JING Zhicheng;LIU Jiubo;LU Wenquan;LUO Changhai;TONG Yongjun;YANG Yuzhen~

2025/03036 ~ Complete ~54:LACTOFERRIN COMPLEXES, COMPOSITIONS COMPRISING THE SAME, AND METHODS OF MAKING AND USING THE SAME ~71:CORNELL UNIVERSITY, 395 Pine Tree Road, Suite 310, United States of America;DAIRY MANAGEMENT INC., 10255 W. Higgins Road, Suite 900, United States of America ~72: ABBASPOURRAD, Alireza;DADMOHAMMADI, Younas;KAPOOR, Rohit;LIN, Tiantian;MELETHARAYIL, Gopinathan H.;NASHED, Emil S.;ZHOU, Yufeng~ 33:US ~31:63/380,388 ~32:21/10/2022

2025/03044 ~ Complete ~54:SYSTEMS AND METHODS FOR AMMONIA PURIFICATION ~71:Bechtel Energy Technologies & Solutions, Inc., 2105 CityWest Boulevard, HOUSTON 77042, TX, USA, United States of America ~72: KIMTANTAS, Charles;TAYLOR, Martin~ 33:US ~31:63/425,583 ~32:15/11/2022

2025/03069 ~ Complete ~54:A PREPARATION METHOD FOR FIBERBOARD SUITABLE FOR SUPER-LEVELING ELECTROSTATIC POWDER COATING ~71:GUANGXI SUNWAY WOOD-TECH CO.,LTD., No. 81, Tangyuan Road, Wuzhou City, People's Republic of China ~72: GUO, Chongjun;HUANG, Jin;LI, Luwen;SHI, Zhifeng;SU, Huanfeng;TANG, Chenyang~ 33:CN ~31:202411718648.2 ~32:28/11/2024

2025/03048 ~ Complete ~54:RUMINAL AND METHANOGEN VACCINES AND USES THEREOF ~71:Helix Nanotechnologies Inc, Suite 600, 5 Channel Center Street, BOSTON 02210, MA, USA, United States of America ~72: BACKMAN, Kyle;DAVILA PASILLAS, Dario De Jesus;DHAR, Nikhil;EROSHENKO, Nikolai;GILL, Taylor;HUANG, Justin Sean;JAMMEH, Kemo;KEAVENEY, Marianna;LOPEZ SAUCEDA, Arianna Lizeth;QIN, Tao;RADZINSKI, Nikolai Paul;RAJANIEMI, Hannu;ROWE, Katherine;SMITH, Rachel;WEBSTER, Everett~ 33:US ~31:63/422,312 ~32:03/11/2022

2025/03031 ~ Complete ~54:METHOD FOR MEASURING THE COMPLEXITY OF UML CLASS DIAGRAMS ~71:JIANGXI UNIVERSITY OF FINANCE AND ECONOMICS, No.169 Shuanggang East Street, Economic and Technological Development Zone, Nanchang City, Jiangxi Province, 330013, People's Republic of China ~72: YI Tong~

2025/03039 ~ Complete ~54:LUBRICATION SYSTEM FOR A TRACTION POWERTRAIN ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: BEYER, Michael D.;FULLENKAMP, Alex M.;LISTER, Brian E.~ 33:US ~31:17/966,056 ~32:14/10/2022

2025/03046 ~ Complete ~54:BCMA VH-ONLY CARS ~71:Dana-Farber Cancer Institute, Inc., 450 Brookline Avenue, BOSTON 02215, MA, USA, United States of America;Harbour Biomed (Shanghai) Co., Ltd, 7th Floor, 987 Cailun Road, Zhangjiang High-Tech Park, Pudong New Area, Shanghai, SHANGHAI 201203, CHINA (P.R.C.), People's Republic of China ~72: HE, Yun;SHI, Lei;SMITH, Eric Lawrence;VENUGOPAL, Kartika~ 33:US ~31:63/422,711 ~32:04/11/2022

2025/03055 ~ Complete ~54:TRAFFIC CONTROL METHODS AND SYSTEMS FOR DETERMINING A SAFE PERFORMANCE OF A SPECIFIC TASK WITHIN A SAFETY AREA IN AN UNDERGROUND ENVIRONMENT

~71:EPIROC ROCK DRILLS AKTIEBOLAG, 701 91 Örebro, Sweden ~72: ANDREAS ÖKVIST;RICHARD HENDEBERG~

2025/03057 ~ Complete ~54:METHODS, MOBILE UNIT, CENTRAL UNIT AND SYSTEM IN AN UNDERGROUND ENVIRONMENT ~71:EPIROC ROCK DRILLS AKTIEBOLAG, 701 91 Örebro, Sweden ~72: ANDREAS ÖKVIST;RICHARD HENDEBERG~

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2025/03064 ~ Provisional ~54:ELECTRICITY METER BYPASS GUARD ~71:Frederick Silence Sithole, 113 Savannah country estate, 0054, South Africa ~72: Frederick Silence Sithole~

2025/03067 ~ Provisional ~54:AUTOCATH™ ~71:Dr Mohamed Iqbal Cassim, 99 Oxford Road, Saxonwold, Johannesburg, Gauteng, South Africa ~72: Dr Mohamed Iqbal Cassim~

2025/03074 ~ Complete ~54:MONITORING METHOD FOR DYNAMIC CHANGE PATTERNS OF MODERN SALT LAKE RESOURCE QUANTITIES ~71:Qinghai Provincial Qaidam Comprehensive Geological and Mineral Exploration Institute (Qinghai Salt Lake Geological Survey Institute), NO.12 Kunlun South Road, Golmud City, Qinghai Province, People's Republic of China ~72: GUO Ruirui;HAN Guang;HU Yan;JING Zhicheng;LIU Jiubo;MA Hongtao;QI Shanzhi;TONG Yongjun;WANG Qingchuan;YANG Yuzhen;ZHANG Xiaodong~

2025/03079 ~ Complete ~54:COMPATIBILITY DESIGN OF COMPOUND PLANT EXTRACT FOR IMPROVING MEAT QUALITY ~71:DATONG CITY AGRICULTURAL GERMPLASM RESOURCES PROTECTION EXPERIMENTAL CENTER, NO.25 DAQING EAST ROAD, PINGCHENG DISTRICT, DATONG CITY, People's Republic of China;DATONG MODERN AGRICULTURAL DEVELOPMENT CENTER, XINGYUN STREET 2799, DATONG CITY, People's Republic of China;SHANXI AGRICULTURAL UNIVERSITY, 150 PINGYANG SOUTH ROAD, TAIYUAN CITY, People's Republic of China;SHANXI DATONG UNIVERSITY, XINGYUN STREET 405, DATONG CITY, People's Republic of China;YANGGAO COUNTY XIAOYANG ANIMAL HUSBANDRY CO., LTD, EAST SMALL TOWN,YANGGAO COUNTY, DATONG CITY, People's Republic of China;YOUYU COUNTY MODERN AGRICULTURAL DEVELOPMENT SERVICE CENTER, YOUYU COUNTY, NEW TOWN SOUTH STREET, SHUOZHOU CITY, People's Republic of China ~72: BAI, Hai;CAO, Riliang;CAO, Zhiwu;CHANG, Sufang;FAN, Jianfang;GONG, Weina;HU, Guangying;WU, Xiaoyang~

2025/03107 ~ Complete ~54:OPTIMISED FERMENTATION OF ANAEROBIC BACTERIA ~71:AGAIN BIO APS, Emdrupvej 70, 2400 København, Denmark ~72: ANDREEA-CRISTINA DOBRESCU;CAROLINA SANTOS GIORDANI BENEVENUTI;STEPHANIE REDL;TORBJØRN ØLSHØJ JENSEN~ 33:EP ~31:22199963.4 ~32:06/10/2022

2025/03101 ~ Complete ~54:INTERACTIVE VIDEO STREAMING FOR 3D APPLICATIONS ~71:MONKEYWAY GmbH, Perchtinger Straße 6, MÜNCHEN 81379, GERMANY, Germany ~72: ADAM, Andreas;HÄRING, Christian;KOCH, Stefan~ 33:US ~31:63/377,986 ~32:30/09/2022

2025/03062 ~ Provisional ~54:APPARATUS AND SYSTEM FOR PIPELINE MONITORING ~71:DILLVEST (PTY) LTD, 5 Warthog Street, Sable Hills, Kameeldrift East, South Africa ~72: KELLY, John James~

2025/03065 ~ Provisional ~54:ELECTRICITY METER BYPASS GUARD ~71:Frederick Silence Sithole, 113 Savannah country estate, 0054, South Africa ~72: Frederick Silence Sithole~

2025/03077 ~ Complete ~54:PLANT PROTECTION UNMANNED AERIAL VEHICLE WITH ANTI-COLLISION MECHANISM ~71:JI'AN COLLEGE, NO. 133 JI'AN SOUTH AVENUE, JI'AN CITY, People's Republic of China

~72: HE, Yihong;LU, Jihong;TANG, Jun;YANG, Huan;ZHU, Guobing~ 33:CN ~31:2025102776566 ~32:10/03/2025

2025/03082 ~ Complete ~54:DYNAMIC ASSESSMENT METHOD FOR ECOLOGICAL RISK OF DEBRIS FLOW DISASTERS BASED ON MULTI SOURCE DATA COUPLING ~71:NINGXIA NORMAL UNIVERSITY, XUEYUAN ROAD, YUANZHOU DISTRICT, GUYUAN CITY, People's Republic of China ~72: MIAO, Cheng~

2025/03088 ~ Complete ~54:METHOD FOR RECYCLING WASTE BASED ON PVC PLASTICS IMPLEMENTING A DEVICE FOR EXTRACTING POLYMER CHAINS IN A SIZE-EXCLUSION SIMULATED MOVING BED ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois Préau, France ~72: BERLIOZ-BARBIER, Alexandra;BLANCKE, Guillaume;CHAUMONNOT, Alexandra;JACQUIN, Marc;LEINEKUGEL LE COCQ, Damien;SIBEAUD, Mathilde~ 33:FR ~31:FR2212608 ~32:01/12/2022

2025/03105 ~ Complete ~54:NOVEL IONIZABLE LIPIDS ~71:RIBOPRO B.V., Kloosterstraat 9, Netherlands ~72: DIEKER, Jürgen;VAN ASBECK, Alexander~ 33:GB ~31:2215200.3 ~32:14/10/2022

2025/03111 ~ Complete ~54:NITROGEN-CONTAINING HETEROCYCLIC DERIVATIVE INHIBITOR, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic And Technological Development Zone, People's Republic of China;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 11, NO.3728 Jinke Road, People's Republic of China ~72: DENG, Xinxian;DONG, Jiaqiang;GONG, Zhen;JIN, Fangfang;YU, Wensheng~ 33:CN ~31:202211262552.0 ~32:14/10/2022;33:CN ~31:202310095444.7 ~32:06/02/2023;33:CN ~31:202310115600.1 ~32:14/02/2023;33:CN ~31:202310275265.1 ~32:20/03/2023;33:CN ~31:202310333326.5 ~32:30/03/2023;33:CN ~31:202310465015.4 ~32:26/04/2023;33:CN ~31:202310631199.7 ~32:30/05/2023;33:CN ~31:202310818758.5 ~32:04/07/2023;33:CN ~31:202311011109.0 ~32:10/08/2023

2025/03113 ~ Provisional ~54:"3 IN I" FOOD SERVER TROLLEY ~71:LEBUSO ERNEST JOB MASEMOLA, BLOCK F, UNIT 106, FLEURHOF LIFESTYLE ESTATE, South Africa ~72: LEBUSO ERNEST JOB MASEMOLA~

2025/03093 ~ Complete ~54:GENERATION OF MULTICHANNEL AUDIO SIGNAL AND DATA SIGNAL REPRESENTING A MULTICHANNEL AUDIO SIGNAL ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: GALLUCCI, Alessio;SCHUIJERS, Erik Gosuinus Petrus~ 33:EP ~31:22195255.9 ~32:13/09/2022

2025/03103 ~ Complete ~54:BLOOD COLLECTION DEVICES AND METHODS ~71:Health Made Easy, 31207 Foxboro Way, BEVERLY HILLS 48025, MI, USA, United States of America ~72: PENINGTON, Richard~ 33:US ~31:63/406,050 ~32:13/09/2022;33:US ~31:63/406,059 ~32:13/09/2022;33:US ~31:63/406,061 ~32:13/09/2022;33:US ~31:63/406,067 ~32:13/09/2022;33:US ~31:63/406,074 ~32:13/09/2022

2025/03106 ~ Complete ~54:NOVEL TRICYCLIC DERIVATIVE COMPOUND AND USES THEREOF ~71:HANMI PHARM. CO., LTD., 214, Muha-ro, Paltan-myeon, Hwaseong-si, Gyeonggi-do, 18536, Republic of Korea ~72: DONG JIN HONG;KWEE HYUN SUH;SEO HEE KIM;SO MIN PARK;WON JEOUNG KIM;WON JONG LEE;YOUNG GIL AHN~ 33:KR ~31:10-2022-0131761 ~32:13/10/2022

2025/03066 ~ Provisional ~54:SPOUT ATTACHMENT FOR A CONTAINER AND A COVER THEREFOR ~71:SIMON PETRUS JACOBS, 23 Ebony Street, Jeffreys Bay, 6330, South Africa ~72: SIMON PETRUS JACOBS~

2025/03076 ~ Complete ~54:DREDGING DEVICE FOR WATER ENVIRONMENT ECOLOGICAL MANAGEMENT ~71:Yancheng Teachers University, No. 2 South Road, Xiwang Avenue, Yancheng City, Jiangsu Province, 224007, People's Republic of China ~72: Juan WANG~

2025/03084 ~ Complete ~54:A SYSTEM AND METHOD FOR MONITORING FINANCIAL TRANSACTIONS BASED ON DECLARED INCOME ~71:PRESLEY MTHOBISI MAKHUBEDU, STAND NO. 661,, South Africa ~72: PRESLEY MTHOBISI MAKHUBEDU~ 33:ZA ~31:2024/02631 ~32:02/04/2024

2025/03087 ~ Complete ~54:HIGH TOUGHNESS PRESS-HARDENED STEEL PART AND METHOD OF MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Alice DUMONT;Clément PHILIPPOT~ 33:IB ~31:PCT/IB2022/060923 ~32:14/11/2022

2025/03098 ~ Complete ~54:GENERATION OF MULTICHANNEL AUDIO SIGNAL ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: GALLUCCI, Alessio;SCHUIJERS, Erik Gosuinus Petrus~ 33:EP ~31:22195259.1 ~32:13/09/2022

2025/03094 ~ Complete ~54:GENERATION OF MULTICHANNEL AUDIO SIGNAL ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: GALLUCCI, Alessio;SCHUIJERS, Erik Gosuinus Petrus~ 33:EP ~31:22195261.7 ~32:13/09/2022

2025/03102 ~ Complete ~54:STABLE LEVOTHYROXINE COMPOSITIONS IN APROTIC POLAR SOLVENTS ~71:Xeris Pharmaceuticals, Inc., 1375 West Fulton Street, Suite 1300, CHICAGO 60607, IL, USA, United States of America ~72: DONOVAN, Martin;FITCH, Richard;HU, Wendy;PRESTRELSKI, Steven~ 33:US ~31:63/380,090 ~32:19/10/2022

2025/03075 ~ Complete ~54:SOLID WASTE FILLING PIPELINE STRUCTURE IN COAL MINE ~71:China Pingmei Shenma Holding Group Co., Ltd., No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China;China University of Mining and Technology, No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China;China University of Mining and Technology-Beijing, No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China;Hunan University of Science and Technology, No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China;PINGDINGSHAN TIANAN COAL.MINING CO., LTD., No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China ~72: Baifu AN;Bizhang TAN;Genshui WU;Guochuan ZHANG;Honglei XING;Hongye JI;Jianguo ZHANG;Jiankun QIN;Kailiang TONG;Kun FANG;Lei ZHAO;Mingzhi WANG;Tairan HAN;Tao HUANG;Weijian YU;Wenya DING;Xi HAN;Xiaogang DING;Xiaoguang TIAN;Xuefeng ZHANG;Xuejie DENG;Yuanzhi ZHANG~ 33:CN ~31:2024116198393 ~32:13/11/2024

2025/03083 ~ Complete ~54:IMAGE CODING DEVICE AND METHOD BASED ON FILTERING-RELATED INFORMATION SIGNALING ~71:LG ELECTRONICS INC., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: HENDRY HENDRY;SEETHAL PALURI~ 33:US ~31:62/961,699 ~32:15/01/2020

2025/03091 ~ Complete ~54:A RISK MANAGEMENT SYSTEM ~71:MNTHALI, Bado, Mtazama, Jembemziro, 58 MARSH ROSE CRESCENT, COUNTRY VIEW, MIDRAND, 1687, SOUTH AFRICA, South Africa ~72: MNTHALI, Bado, Mtazama, Jembemziro~ 33:ZA ~31:2022/11087 ~32:11/10/2022

2025/03097 ~ Complete ~54:WIRELESS POWER TRANSFER ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: DRAAK, Johannes Wilhelmus;EGENTER, Christian Otto;ETTES, Wilhelmus Gerardus Maria;MUELLER, Max-Felix~ 33:EP ~31:22195224.5 ~32:12/09/2022

2025/03072 ~ Complete ~54:PRODUCT PROTECTION DEVICE BASED ON QUANTUM INFORMATION SAFETY ~71:XINYU UNIVERSITY, NO. 2666 SUNSHINE AVENUE, HIGH TECH ZONE, XINYU CITY, People's Republic of China ~72: FANG, Jianxin;HUANG, Shixin;LIAO, Zhongming;PENG, Xiaojun;XI, Jun;ZHANG, Yu~

2025/03100 ~ Complete ~54:METHOD OF PREPARING MARIBAVIR ~71:Takeda Pharmaceutical Company Limited, 1-1 Doshomachi 4-Chome, Chuo-ku, Osaka-shi, OSAKA 541-0045, JAPAN, Japan ~72: DEPUE, Jeffrey Scott;RAMACHANDRAN, Kishore;REISCH, Helge Alfred;TANG, Datong;TIPPARAJU, Suresh Kumar~ 33:US ~31:63/415,438 ~32:12/10/2022

2025/03095 ~ Complete ~54:TOGGLE BOLT CONNECTOR SYSTEM FOR HOLLOW JOIST ~71:Fortress Iron, LP, 1720 N. 1st Street, GARLAND 75040, TX, USA, United States of America ~72: HORTA, Johnathan;SAWKA, Michael J.~ 33:US ~31:17/966,421 ~32:14/10/2022

2025/03104 ~ Complete ~54:LIPOSOME FORMULATIONS FOR TREATMENT OF ACTIVE TUBERCULOSIS ~71:Archivel Farma, S.L., c/ Fogars de Tordera, 61, Poligon Industrial Bonavista, BADALONA 08916, SPAIN, Spain ~72: AMAT FABREGAT, Maria Mercè;CARDONA IGLESIAS, Pere Joan;JIMENEZ-MELSIÓ, Alexandra;RUIZ-AVILA, Luis~

2025/03109 ~ Complete ~54:A PACKAGING COMPOSITE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANJANA KEDARE;GAURAV PATHAK;GIRISH MURALIDHARAN~ 33:EP ~31:22209034.2 ~32:23/11/2022

2025/03071 ~ Complete ~54:AUTOMATED BLACKBOARD WRITING DEVICE FOR FRENCH TEACHING ~71:ZHENGZHOU UNIVERSITY OF AERONAUTICS, NO. 15 WENYUAN WEST ROAD, ZHENGDONG NEW DISTRICT, ZHENGZHOU CITY, People's Republic of China ~72: LU, Yue~

2025/03078 ~ Complete ~54:UNIVERSAL POWER BAND FIXING DEVICE FOR A POWER RACK WITH AN ADDITIONAL LOCKING MECHANISM ~71:Maxim Andreevich Chernyaev, Yasnogorskaya ulitsa, d.17, korp.2, kv.312, Moscow, 117463, Russian Federation ~72: Maxim Andreevich Chernyaev~ 33:RU ~31:2025104896 ~32:03/03/2025

2025/03085 ~ Complete ~54:SIDE TRIMMING METHOD ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Vikas PATEL~ 33:IB ~31:PCT/IB2022/062193 ~32:14/12/2022

2025/03099 ~ Complete ~54:PASSIVE RESIDUAL HEAT REMOVAL SYSTEM AND METHOD FOR NUCLEAR REACTOR ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No.29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: CAO, Kemei;CAO, Zhen;FAN, Pu;HU, Nan;LI, Rui;LI, Shengzhe;LIU, Di;QI, Zhanfei;WANG, Haitao;WU, Yanhua;YANG, Zijiang~ 33:CN ~31:202211115574.4 ~32:14/09/2022

2025/03110 ~ Complete ~54:USE OF A COMPOSITION FOR PROVIDING ENERGIZING GLOW ON SKIN ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AMITABHA MAJUMDAR;ANITA DAMODARAN;GOURI GUPCHUP MALHOTRA;MOHINI ANAND BAPAT;MRUTHYUNJAYA SWAMY MATHAPATHI;NARESH DHIRAJLAL GHATLIA;SATISH KUMAR VENKATESH;SIMONE SETHNA~ 33:EP ~31:22209344.5 ~32:24/11/2022

2025/03092 ~ Complete ~54:HIGH TOUGHNESS PRESS-HARDENED STEEL PART AND METHOD OF MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Alice DUMONT;Clément PHILIPPOT~ 33:IB ~31:PCT/IB2022/060924 ~32:14/11/2022

2025/03063 ~ Provisional ~54:A METHOD OF AND SYSTEM FOR PROVIDING COMPREHENSIVE INSURANCE WITH CULTURE AND CUSTOMS PRODUCTS AND SERVICES ~71:Thandile Jwambi, No10 NY 144 street, Gugulethu, South Africa ~72: Thandile Jwambi~

2025/03081 ~ Complete ~54:DISASTER ACCEPTABLE RISK THRESHOLD DEFINING METHOD BASED ON BUILDING SAFETY ~71:NINGXIA NORMAL UNIVERSITY, XUEYUAN ROAD, YUANZHOU DISTRICT, GUYUAN CITY, People's Republic of China ~72: MIAO, Cheng~

2025/03090 ~ Complete ~54:COMPOSITION AND METHODS FOR CLEANING ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: KUTZKO, Joseph P.~ 33:US ~31:63/382,985 ~32:09/11/2022

2025/03108 ~ Complete ~54:NOVEL TRIHETEROCYCLIC COMPOUNDS ~71:IDIENCE CO., LTD., 2, Baumoe-ro 27-gil, Seocho-gu, Seoul, 06752, Republic of Korea ~72: CHANG HEE HONG;HONG CHUL YOON;JIN HEE LEE;JIN WOONG KIM;JONG SEON PARK;JOO YUN LEE;JOON TAE PARK;JUNG WOO LEE;KYUNG MI AN;SOO JUNG HONG;SUNG JUN HONG~ 33:KR ~31:10-2022-0134463 ~32:18/10/2022;33:KR ~31:10-2023-0056594 ~32:28/04/2023

2025/03086 ~ Complete ~54:PSILOCIN CRYSTALLINE FORMS ~71:TRYP THERAPEUTICS, INC, Suite 300, 600 B Street, United States of America ~72: GILLIGAN, Jim;GUZZO, Peter~ 33:US ~31:63/375,305 ~32:12/09/2022

2025/03096 ~ Complete ~54:SALT FORMS OF IRAK4 DEGRADERS ~71:Kymera Therapeutics, Inc., 500 North Beacon Street; 4th Floor, WATERTOWN 02472, MA, USA, United States of America ~72: HENCKEN, Christopher P.~ 33:US ~31:63/379,391 ~32:13/10/2022

2025/03073 ~ Complete ~54:COOPERATIVE PROCESSING ROBOT FOR WELDING SURFACE OF WELDED PARTS ~71:Anhui Technical College of Mechanical and Electrical Engineering, No.16, Wenjin West Road, Higher Education Park, Yijiang District, Wuhu City, Anhui Province, 241002, People's Republic of China ~72: HOU, Wenlong;LIN, Shunshun;LIU, Xiang;SHEN, Yechao;YUE, Xingchen;ZHANG, Jiayi;ZHANG, Yuheng;ZHU, Min~ 33:CN ~31:202410558137.2 ~32:08/05/2024

2025/03080 ~ Provisional ~54:"3 IN I" FOOD SERVER TROLLEY ~71:LEBUSO ERNEST JOB MASEMOLA, BLOCK F UNIT 106 FLEURHOF LIFESTYLE ESTATE, South Africa ~72: LEBUSO ERNEST JOB MASEMOLA~

2025/03089 ~ Complete ~54:A GENERATOR WITH MINIMAL TO NON-EXISTENT ROTATION RESISTANCE THROUGH CONTROLLED ATTRACTIONS AMONG ALL MAGNETS AND IRON CORES ~71:LIU, Chien-Kuo, PO Box 37928, Honolulu, United States of America ~72: LIU, Chien-Kuo~ 33:US ~31:63/419,249 ~32:25/10/2022

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2025/03253 ~ Provisional ~54:SYSTEM AND METHOD FOR GEOTAGGING FINANCIAL ACCOUNTING TRANSACTIONS ~71:Crystal Ann Aereboe, 194 Riverside Lifestyle Estate, South Africa ~72: Crystal Ann Aereboe~

2025/03123 ~ Complete ~54:CULTURE METHOD FOR MEYEROZYMA GUILLIERMONDII ~71:WUYI UNIVERSITY, No. 358, Baihua Road, Mount Wuyi City, People's Republic of China ~72: LIN, Zhichao;LIU; Xingyu;SHI; Yingluo;WANG; Han;WANG; Zuhui;ZHANG; Liufang~

2025/03132 ~ Complete ~54:WORK MACHINE WITH A DIFFERENTIAL PROTECTION SYSTEM AND METHOD ~71:DEERE & COMPANY, One John Deere Place, Moline, Illinois, 61265, United States of America ~72: JAKE J BAKER~ 33:US ~31:18/663,880 ~32:14/05/2024

2025/03133 ~ Complete ~54:SUBSTRATE – COATED NOVEL COMBUSTIBLE COMPOSITION ~71:GODREJ CONSUMER PRODUCTS LTD., 4th Floor, Godrej One, Pirojshanagar, Eastern Express Highway, Vikhroli (East), Mumbai 400079, Maharashtra, India ~72: BHARGAVA PENDOTA;K MARISAMY;REENA BIBALS;UDAY CHOUGHULE;VENKATESWARA RAO YADLAPALLI~ 33:IN ~31:202421054977 ~32:18/07/2024

2025/03444 ~ Provisional ~54:A WIRELESS DIGITAL PREPAID METER WITH TOUCHSCREEN DISPLAY, REAL TIME ELECTRICITY MEASUREMENT, THEFT AND TAMPER DETECTION AND PREVENTION, A TOKEN AUTHENTICATION SYSTEM, AND AN INTEGRATED PAYMENT SYSTEM ~71:TG HOLDINGS SA (PTY) LTD, 543 MOTSENG SECTION, South Africa ~72: TSHIMOLOGO GRACIOUS PHOKO~

2025/03127 ~ Complete ~54:CONSTRUCTION METHOD FOR BASEMENT FOUNDATION PIT WATERPROOF STRUCTURE ~71:China Railway 20th Bureau Group Co., Ltd, 89# Taihua North Road, Xi'an City, Shaanxi Province, People's Republic of China;China Railway 20th Bureau Group Municipal Engineering Co., Ltd, Yanbei Street, Chengguan District, Lanzhou City, Gansu Province, People's Republic of China ~72: CHEN Yong;GUI Chunhai;LI Peiyuan;LI Xia;LUO Jingtao;REN Dongping;REN Meng;SUO Jianbo;WANG Yaming;ZHANG Xiaoli~

2025/03134 ~ Complete ~54:INTELLIGENT QUANTITATIVE INJECTION DEVICE FOR NON-FERROUS METAL SMELTING ~71:BEIJING REDC PNEUMATIC CONVEYING TECHNOLOGY CO., LTD., Room 1526, 1st Floor, No. 11, Shixing East Street, Shijingshan District, Beijing, 100043, People's Republic of China ~72: BAOLIN LU;HUI GAO;HUITONG DU;JUN YANG;QINGYANG MAO;WEIBO HU;YONGTAO PU;YUNJIE ZHAO;ZHEN WANG~ 33:CN ~31:202410765237.2 ~32:14/06/2024

2025/03193 ~ Provisional ~54:DECENTRALIZED CRYPTOCURRENCY-TO-CASH SETTLEMENT SYSTEM USING MOBILE POINT-OF-SALE TERMINALS ~71:FRANCOIS PIERRE JOUBERT, 521, 20TH AVENUE, RIETFONTEIN, South Africa ~72: FRANCOIS PIERRE JOUBERT~

2025/03144 ~ Complete ~54:BIPOLAR PLATE, ELECTROLYTIC CELL, ELECTROLYZER CELL AND ASSEMBLY METHOD ASSOCIATED THEREWITH ~71:JOHN COCKERILL HYDROGEN BELGIUM, Rue Jean Potier 1, 4100, Seraing, Belgium ~72: DAVID D'AMBROSIO;LUC VANHÉE~ 33:EP ~31:22200480.6 ~32:10/10/2022

2025/03117 ~ Provisional ~54:FAITH-BASED ELECTRIC POWER LIGHT ~71:ISAAC ADDAI, 117 Kemp Street, South Africa ~72: ISAAC ADDAI~ 33:ZA ~31:N/A ~32:12/04/2025

2025/03149 ~ Provisional ~54:SCREEN SPORT SIMULATOR ~71:WESSELS, Rae Jo-Anna, 514 Polaris Avenue, South Africa ~72: WESSELS, Rae Jo-Anna~

2025/03114 ~ Provisional ~54:SYSTEM AND METHOD FOR VIRTUAL INTERACTIVE IN-STORE SHOPPING USING 3D SCANNING AND AUTONOMOUS SHELF MONITORING ~71:Solomon Moriti, 1308 Unit 1, South Africa ~72: Solomon Moriti~ 33:ZA ~31:N/A ~32:11/04/2025

2025/03118 ~ Provisional ~54:MULTIPURPOSE LUXURY STORAGE BOX WITH INTEGRATED DOCKING STATION FOR SUCTION-BASED DEVICES ~71:Hermanus Stephanus Pretorius, 17 Honeyguide Crescent, South Africa ~72: Hermanus Stephanus Pretorius~

2025/03121 ~ Provisional ~54:CASKET WITH INTEGRATED PERSONALIZATION WINDOW SYSTEM AND MESSAGE CLOSURE ASSEMBLY ~71:Hermanus Stephanus Pretorius, 17 Honeyguide Crescent, South Africa ~72: Hermanus Stephanus Pretorius~

2025/03124 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR COLITIS ~71:ZHANG, Lu, 39 Huitong Road, People's Republic of China ~72: ZHANG, Lu~

2025/03129 ~ Complete ~54:METHOD AND SYSTEM FOR DYNAMIC MONITORING OF BRINE CHANGE CHARACTERISTICS DURING SALT LAKE MINING ~71:Qinghai Provincial Qaidam Comprehensive Geological and Mineral Exploration Institute(Qinghai Salt Lake Geological Survey Institute), NO.12 Kunlun South Road, Golmud City, Qinghai Province, People's Republic of China ~72: HAN Guang;HAN Wenkui;HU Yan;JING Zhicheng;LIU Jiubo;LU Liang;MA Hongtao;TONG Yongjun;WANG Qingchuan;YANG Xiaolong;YANG Yuzhen;YUAN Wenhu;ZHANG Xiaodong~

2025/03131 ~ Complete ~54:ARCH BACK DRAGLINE BUCKET AND WORK MACHINES, SYSTEMS, AND ASSEMBLIES THEREOF ~71:CATERPILLAR GLOBAL MINING LLC, 875 W. Cushing Street, Tucson, United States of America ~72: ANTHIPAGULU, Saravanan V.;GNANAVEL PANDYAN, Thiyagarajan;KABIRAJ, Koushik;STOLZ, Michael R.~ 33:US ~31:18/656,950 ~32:07/05/2024

2025/03135 ~ Complete ~54:ROLLER ASSEMBLY FOR A SLIDABLE PANEL ~71:CiiLOCK Engineering PTY LTD, 18 Technology Circuit, Australia ~72: JABER, Hani;JABER, Simon;LI, Weidong;OVERTON, Luke;WANG, Li~ 33:GB ~31:2406189.7 ~32:02/05/2024

2025/03137 ~ Complete ~54:TRUNCATED RESPIRATORY SYNCYTIAL VIRUS F PROTEIN AND USE THEREOF ~71:XIAMEN INNOVAX BIOTECH CO., LTD., 1st Floor, 50 Shan Bian Hong East Road, Haicang District, People's Republic of China;XIAMEN UNIVERSITY, No. 422 Si Ming Nan Road, Siming District, People's Republic of China ~72: CHEN, Li;LIN, Min;WANG, Chen;XIA, Ningshao;YIN, Yifan;ZHANG, Jun;ZHAO, Xiaomeng;ZHENG, Zizheng~ 33:CN ~31:202211267043.7 ~32:17/10/2022

2025/03143 ~ Complete ~54:GENDER IDENTIFICATION OF CHICKS USING DIGITAL IMAGE ANALYSIS ~71:Targan, Inc., 350 East Six Forks Road, RALEIGH 27609, NC, USA, United States of America ~72: ADAMS, Jonathan M.;COX, David;GOFF, Joshua S.;RIGGSBEE, Daniel N.~ 33:US ~31:63/379,956 ~32:18/10/2022

2025/03146 ~ Complete ~54:A DOWNLINK ROUTING SOLUTION FOR WIRELESS COMMUNICATION NETWORKS ~71:WIREPAS OY, Visiokatu 4, Tampere, 33720, Finland ~72: HANNU HIRVI;JORGE MORTE PALACIOS;JUHO PIRSKANEN~ 33:FI ~31:20225851 ~32:28/09/2022

2025/03115 ~ Provisional ~54:AFRICAN BEER MACHINE ~71:Kuhlekwethu Elizabeth Nomjila, Plot 4-43, Main Street, Akasia, Heatherdale, South Africa ~72: Kuhlekwethu Elizabeth Nomjila~

2025/03125 ~ Complete ~54:A METHOD FOR SELECTING AND BREEDING FOREST-UNDERSTORY COLD-RESISTANT TRADITIONAL CHINESE MEDICINAL HERB VARIETIES ~71:Gansu Qilian Mountain National Nature Reserve Management Center (Giant Panda Qilian Mountain National Park Gansu Province Administration Zhangye Branch), No. 127, Dongguan Street, Shahe Town, Linze County, Zhangye City, Gansu Province, 734099, People's Republic of China ~72: Cai Liang;Ma Ruhua;Zhang Xinhua~ 33:CN ~31:2025101800587 ~32:18/02/2025

2025/03141 ~ Complete ~54:METHODS OF TREATING CANCER WITH SOTORASIB ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: CARDONA, Panli;DUTTA, Sandeep;HOUK, Brett E.;MCCOMB, Mason C.~ 33:US ~31:63/418,695 ~32:24/10/2022

2025/03119 ~ Provisional ~54:FLOORING SYSTEM ~71:E K CONSTRUCTION AND ALL GENERAL TRADING CC, 35B Dr Yusf Dadoo Ave, Wilkoppies, South Africa ~72: MGQEKU, Bongani~

2025/03130 ~ Complete ~54:CARBON DOTS/PRUSSIAN BLUE NANOPHASE MATERIALS AND PREPARATION METHOD THEREOF AND APPLICATION THEREOF AS COLORIMETRIC-FLUORESCENT PROBE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Yiang;DANG Liyun;GUO Yan;JI Feixiang;SONG Yongxin;YANG Hao;YANG Jing;ZHANG Shuaiguo~

2025/03148 ~ Complete ~54:METHODS OF DELIVERING A VIRAL VECTOR TO A KIDNEY ~71:PURESPRING THERAPEUTICS LIMITED, 8 Bloomsbury St, 2nd Floor, London, WC1B 3SR, United Kingdom;THE UNIVERSITY OF BRISTOL, Beacon House, Queens Road, Bristol, BS8 1QU, United Kingdom ~72: ALAN WILLIAM GRIFFITH;GAVIN WELSH;MOIN SALEEM-UDDIN~ 33:GB ~31:2217332.2 ~32:18/11/2022

2025/03150 ~ Provisional ~54:BRIGHTSPARK ADVENTUTES ~71:Muzikayise Cassius Ntuli, 64 Venus Crecsent, Meredale Johannesburg, South Africa ~72: Muzikayise Cassius Ntuli~

2025/03122 ~ Provisional ~54:A SYSTEM AND METHOD FOR VALIDATING AND AUTHENTICATING FINANCIAL PRODUCTS ~71:VIXIFIELD (PTY) LTD, 4 Ramsay Road, Baysville, South Africa ~72: HLALEMPINI, Zikhona Angelique;RANGA, Memory~

2025/03128 ~ Complete ~54:UPLINK INFORMATION BASED ON WAKE-UP SIGNAL ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DALSGAARD, Lars;KAIKKONEN, Jorma;KOSKELA, Timo;KOSKINEN, Jussi-Pekka;TURTINEN, Samuli;WU, Chunli~

2025/03136 ~ Complete ~54:METHOD AND APPARATUS FOR CONTROLLING A MODIFICATION PROCESS OF HYGROSCOPIC MATERIAL ~71:AVANT WOOD OY, Levasentie 23, 70780, Kuopio, Finland ~72: LEHTINEN, Jyrki;PASANEN, Timo;RITVANEN, Pekka;SAYNEVIRTA, Kari;TERVO, Kari~

2025/03140 ~ Complete ~54:RECOMBINANT BISPECIFIC ANTIBODIES TARGETING TSLP AND IL4R ~71:Biosion Inc., 5th Floor, Building D, 3-1 Zhongdan Unit, South Longshan Road, Jiangbei New District, NANJING 210061, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Mingjiu;MA, Mark Zhiqing;PENG, Zeyu~ 33:US ~31:63/376,626 ~32:22/09/2022

2025/03147 ~ Complete ~54:HETEROCYCLIC COMPOUND ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka, 541-0045, Japan ~72: EIJI KIMURA;KOHEI TAKEUCHI;MARILENA PIRA;MARTIN ALEXANDER PAWLICZEK;NORIHITO TOKUNAGA;NORIYUKI TEZUKA;SHUHEI IKEDA;TATSUKI KOIKE;YASUSHI HATTORI;YASUTAKA HOASHI;YOSHITERU ITO;YUHEI MIYANOHANA;YUICHI KAJITA~ 33:US ~31:63/381,736 ~32:31/10/2022

2025/03116 ~ Provisional ~54:METASTOREX – INVISIBLE HARDWARE STORE AND 24/7 ROBOTIC FULFILLMENT SYSTEM ~71:Solomon Moriti, 1308 Unit 1, South Africa ~72: Solomon Moriti~ 33:ZA ~31:N/A ~32:12/04/2025

2025/03120 ~ Provisional ~54:A SEAL ARRANGEMENT ~71:IPTREE TRUST (TRUST NUMBER 503/2009), 5 Libertas Road, Somerset Office Park, Bullseye Building, Bryanston, South Africa ~72: BÜHRMANN, Rudolph;BÜHRMANN, Rudolph Teodor~

2025/03126 ~ Complete ~54:BAMBOO CEMENT PARTICLE BOARD AND MANUFACTURING METHOD THEREFOR ~71:HUNAN CITY UNIVERSITY, No. 518 Yingbin East Road, Yiyang City, Hunan Province, 413000,

People's Republic of China ~72: WANG, Ying;YI, Jiajun;YIN, Canbin;YU, Fang;ZHANG, Shusen;ZHU, Chengquan~

2025/03138 ~ Complete ~54:BACTERIAL COMPOSITION AND METHOD FOR INOCULATION ~71:EL-I TECHNOLOGIES (PTY) LIMITED, Building 6,Unit 9 Riversands Outlet Park, Riversands Boulevard, South Africa ~72: VERMAAK, Gerhard~ 33:ZA ~31:2022/11653 ~32:26/10/2022;33:ZA ~31:2023/00508 ~32:12/01/2023

2025/03139 ~ Complete ~54:METHOD FOR PRODUCING FLOAT GLASS FROM A MIXTURE OF MINERAL MATERIALS COMPRISING A CALCIUM SILICATE ~71:Saint-Gobain Glass France, Tour Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: CINTORA GONZALEZ, Octavio;COCHARD, Jean-Patrick~ 33:FR ~31:2211322 ~32:28/10/2022

2025/03142 ~ Complete ~54:METHODS FOR TREATING LUPUS NEPHRITIS USING FCRN ANTAGONISTS ~71:argenx BV, Industriepark Zwijnaarde 7, ZWIJNAARDE 9052, BELGIUM, Belgium ~72: SIPS, Magdalena;VAN HAUWERMEIREN, Tim;VERHEESEN, Peter~ 33:US ~31:63/382,566 ~32:07/11/2022

2025/03145 ~ Complete ~54:METHOD FOR JOINING A STACK OF ELEMENTS TOGETHER ~71:JOHN COCKERILL HYDROGEN BELGIUM, Rue Jean Potier 1, 4100, Seraing, Belgium ~72: DAVID D'AMBROSIO;LUC VANHÉE~ 33:EP ~31:22200483.0 ~32:10/10/2022

2025/03169 ~ Complete ~54:RGD DIMER COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:YANTAI LANNACHENG BIOTECHNOLOGY CO., LTD., Room 101, Building 52, No. 500 Binhai East Road, Muping District, Yantai, People's Republic of China ~72: CHEN, Xiaoyuan;GUO, Zhide;WEN, Xuejun;WU, Xiaoming;XU, Pengfei;YANG, Qingbao~ 33:CN ~31:202211381979.2 ~32:07/11/2022

. - APPLIED ON 2025/04/15 -

2025/03156 ~ Complete ~54:FOREIGN LANGUAGE TEACHING INTERACTIVE BOARD ~71:Suzhou University, Erpu Village, Zhuxianzhuang Town, Yongqiao District, Suzhou, Anhu, People's Republic of China ~72: Keyan Zheng~

2025/03160 ~ Complete ~54:SYSTEM AND METHOD FOR PRODUCING A COLORING AND FLAVORING SOLUTION ~71:STRATUMTEC SPOŁKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, Ostrowek 41, 05-660, Warka, Poland ~72: KOC Mateusz~ 33:PL ~31:P.450943 ~32:13/01/2025

2025/03163 ~ Complete ~54:UNMANNED AERIAL VEHICLE CLUSTER SYNCHRONIZATION METHOD BASED ON MULTI-SENSOR FUSION ~71:Jiaxing Vocational & Technical College, No. 547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Bilu Luo;Chunfang Gao;JunWei Zhang;Weifeng Meng;Xiaoji Wei;Yanjun Ji;Yuyang Ji~

2025/03173 ~ Complete ~54:CHEMICAL REACTOR WITH A HEAT EXCHANGER ~71:CASALE SA, Via Giulio Pocobelli 6, Switzerland ~72: BERETTI, Andrea;MAFFEI, Tiziano;PANZERI, Nicola~ 33:EP ~31:22204219.4 ~32:27/10/2022

2025/03175 ~ Complete ~54:FIXTURE FOR DENTAL IMPLANT, AND IMPLANT SYSTEM COMPRISING SAME ~71:MGNEWTON Co., Ltd., 10F., 422, Myeongdeok-ro Suseong-gu, DAEGU 42132, REPUBLIC OF KOREA, Republic of Korea ~72: PARK, Kwang Bum~ 33:KR ~31:10-2022-0136416 ~32:21/10/2022

2025/03181 ~ Complete ~54:SUSTAINED RELEASE INJECTABLE FORMULATIONS USING APROTIC POLAR SOLVENTS ~71:Xeris Pharmaceuticals, Inc., 1375 West Fulton Street, Suite 1300, CHICAGO 60607, IL, USA, United States of America ~72: DONOVAN, Martin;FITCH, Richard;PRESTRELSKI, Steven~ 33:US ~31:63/380,213 ~32:19/10/2022

2025/03186 ~ Complete ~54:A COORDINATE MOVEMENT MACHINE ~71:CAPE PENINSULA UNIVERSITY OF TECHNOLOGY, Keizersgracht and Tennant Street Zonnebloem, Cape Town, 8000, South Africa ~72: ALI RUGBANI;BANDILE JAMA~ 33:GB ~31:2218150.7 ~32:02/12/2022

2025/03189 ~ Complete ~54:SELECTIVE 1-HEXENE/1-OCTENE PRODUCTION WITH 1-DECENE ~71:CHEVRON PHILLIPS CHEMICAL COMPANY LP, P.O. Box 4910, The Woodlands, Texas 77387-4910, United States of America ~72: JAMES HILLIER;MICHAEL S WEBSTER-GARDINER;STEVEN M BISCHOF~ 33:US ~31:18/050,510 ~32:28/10/2022

2025/03152 ~ Provisional ~54:A FLUID COLLECTOR ~71:MORTON, Faryl, 9 Maple Grove, 1 Ringwood Drive, Parklands, South Africa ~72: MORTON, Faryl~

2025/03153 ~ Provisional ~54:MOUNTING SYSTEM ~71:AGROPEDO (PTY) LTD, Nars Conradie Street, Plot 25 Vyfhoek, South Africa ~72: TBA~

2025/03155 ~ Complete ~54:METHOD FOR PREPARING CARBON QUANTUM DOTS FROM WASTE POLYURETHANE ~71:Henan University of Urban Construction, Henan University of Urban Construction, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: CHEN, Yingzan;HOU, Wenting;LI, Kanghao;REN, Haibo;XUE, Wenhui;ZHANG, Huaiyuan;ZHANG, Yanbing~ 33:CN ~31:202510308299.5 ~32:14/03/2025

2025/03161 ~ Complete ~54:ASSET IDENTIFICATION, REGISTRATION, TRACKING AND COMMERCIALIZATION APPARATUSES AND METHODS ~71:SCARSELLI, Bruno, 580 5th Avenue, Suite 1518, United States of America ~72: SCARSELLI, Bruno~

2025/03162 ~ Complete ~54:HYDRAULIC LIFT ISOLATION ASSEMBLY WITH PASTE-FILLED CAVITY ~71:China Pingmei Shenma Holding Group Co., Ltd., No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China;China University of Mining and Technology, No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China;China University of Mining and Technology-Beijing, No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China;Hunan University of Science and Technology, No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China;PINGDINGSHAN TIANAN COAL MINING CO., LTD., No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China;Pingmei Shenma Machinery Equipment Group Co., Ltd., No. 21, Miner Middle Road, Pingdingshan City, Henan Province, 467002, People's Republic of China ~72: Bizhang TAN;Genshui WU;Guochuan ZHANG;Hailong SUN;Huaqiang ZHOU;Jianzhi YANG;Jingwei LIAN;Lei ZHAO;Ning FAN;Ning LI;Qiang ZHANG;Qiankun ZHANG;Qingliang CHANG;Weifeng WANG;Xiguo GONG;Xuefeng ZHANG;Xuejie DENG;Yanhui SUN;Yantao HUANG;Zhaofei XIE~ 33:CN ~31:2025204345620 ~32:13/03/2025

2025/03176 ~ Complete ~54:LONG-ACTING NATRIURETIC PEPTIDES AND USES THEREOF ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ALSINA-FERNANDEZ, Jorge;BAKER, Hana Elisabeth;CORTEZ, Guillermo S.;ELMUCCIO, Michael Lawrence;LIU, Wen;LOPES, Daniel Christopher;MUPPIDI, Avinash;VALENZUELA, Francisco Alcides;WANG, Yan;ZHANG, Lin~ 33:US ~31:63/418,048 ~32:21/10/2022

2025/03179 ~ Complete ~54:METHOD OF ASSEMBLING A WIND TURBINE AND WIND TURBINE ASSEMBLY SYSTEM, AND METHOD OF ASSEMBLING A WIND FARM AND WIND FARM ASSEMBLY SYSTEM ~71:Nordex Energy SE & Co. KG, Langenhorner Chaussee 600, HAMBURG 22419, GERMANY, Germany;Nordex Energy Spain, S.A.U., POLIGONO INDUSTRIAL BARASOAIN, PARCELA 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: ALVAREZ YOLDI, Javier;BIEDMA GARCÍA, Manuel;BLANCO DIEGUEZ, José Luis;CALDERÓN, Iñigo;CARRILLO ALONSO, Luis;GARCÍA MAESTRE, Iván;MALICHEWSKI,

Mathias;RUPPEN CAÑÁS, Francisco José;SOLLA FREIJOMIL, Eugenio Luis;ÁLVARO GUTIÉRREZ, Pablo~ 33:EP ~31:22382885.6 ~32:27/09/2022

2025/03184 ~ Complete ~54:FN3 DOMAIN-SIRNA CONJUGATES AND USES THEREOF ~71:Aro Biotherapeutics Company, 601 Walnut Street, Suite 740, PHILADELPHIA 19106 , PA, USA, United States of America ~72: ANDERSON, Stephen;KULKARNI, Swapnil;LEE, Jacqueline;NADLER, Steven G.;O'NEIL, Karyn;RAMANUJAM, Meera;SAKAMURI, Sukumar;ZENGEYA, Thomas~ 33:US ~31:63/380,112 ~32:19/10/2022;33:US ~31:63/505,898 ~32:02/06/2023

2025/03151 ~ Provisional ~54:BACKET ~71:Onke Majiza, 2 Theos Chea Prinsberg Avenue, South Africa ~72: Onke Aphelele Majiza~ 33:ZA ~31:19940529 ~32:14/04/2025

2025/03158 ~ Complete ~54:CONVENIENT-TO-TRANSFER PINE WOOD NEMATODE COLLECTION DEVICE FOR TOURISM ENVIRONMENT MANAGEMENT ~71:HUNAN CITY UNIVERSITY, 518 Yingbin East Road, Heshan District, Yiyang City, Hunan Province, People's Republic of China ~72: LIU Wenbin~

2025/03165 ~ Complete ~54:COMPLEMENT FACTOR B (CFB) IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;ELANE FISHILEVICH;JAMES D MCININCH;KRISTINA YUCIUS;MARK K SCHLEGEL~ 33:US ~31:63/273,215 ~32:29/10/2021

2025/03187 ~ Complete ~54:CONVERSION OF UNSATURATED HYDROCARBON CONTAINING OFF-GASES FOR MORE EFFICIENT HYDROCARBON PRODUCTION PLANT ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: KIM AASBERG-PETERSEN;SUDIP DE SARKAR;THOMAS SANDAHL CHRISTENSEN~ 33:DK ~31:PA202200998 ~32:04/11/2022

2025/03164 ~ Complete ~54:FEEDBACK DATA ANALYSIS METHOD AND SYSTEM FOR LEGAL EDUCATION CLASSROOM TEACHING BASED ON NLP ~71:CHENGDU INDUSTRIAL VOCATIONAL TECHNICAL COLLEGE, No.818, Daan Road, Zhengxing Town, Chengdu Area, Tianfu New District, People's Republic of China ~72: Chunmei LI;Derong ZHANG;Jing TIAN;Jing WEI;Ming YANG;Shuixian DUAN;Xiaohan DENG;Xiaoli LIU;Yong LIU;Zihui TANG~ 33:CN ~31:2024105866983 ~32:11/05/2024

2025/03172 ~ Complete ~54:A SPOT WELDING METHOD ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Alexis CHIOCCA;Zhifen WANG~

2025/03183 ~ Complete ~54:ARTHROPOD CONTROL COMPOSITIONS ~71:Firmenich SA, 7, Rue de la Bergère, SATIGNY 1242, SWITZERLAND, Switzerland ~72: CHAPUIS, Christian;HARRACA, Vincent;HATANO, Eduardo;REITER, Maud;SANTORO, Francesco~ 33:EP ~31:22203102.3 ~32:21/10/2022

2025/03192 ~ Complete ~54:TOPRAMEZONE DERIVATIVE AND USE THEREOF ~71:SHANDONG DEHAO CHEMICAL CO., LTD., Lingang Chemical Park, Binhai Economic Development Zone, People's Republic of China ~72: GAO, Xingxiang;GAO, Zhangbin;LV, Zhitao;MAO, Wenxiu;WANG, Huijun;WU, Wenjing;WU, Wenpeng;ZHANG, Cai;ZHAO, Shouming~ 33:CN ~31:202311455118.9 ~32:03/11/2023

2025/03159 ~ Complete ~54:DROUGHT GRADE DISCRIMINATION METHOD FOR DIFFERENT CROPS UNDER CLIMATE CHANGE SCENARIOS ~71:China Institute of Water Resources and Hydropower Research, No. 20 Chegongzhuang West Road, Haidian District, Beijing, 100048, People's Republic of China ~72: BI, Wuxia;LIN, Wenqing;WANG, Fan;WANG, Weiqi;ZHANG, Dawei~ 33:CN ~31:202410761538.8 ~32:13/06/2024

2025/03167 ~ Complete ~54:DUAL ELECTRODE DC ARC FURNACE ~71:GREYLING, Frederik Petrus, 5 St George Avenue, Midlands Estate, South Africa;GREYLING, Ruan, 9 Dolerite Crescent, Middelburg, South Africa ~72: GREYLING, Frederik Petrus;GREYLING, Ruan~ 33:NL ~31:2037671 ~32:13/05/2024

2025/03170 ~ Complete ~54:PLASMA REACTOR ~71:CAPHENIA GMBH, Chiemseestr. 21, Germany ~72: MYKLEBUST, Nils~ 33:DE ~31:10 2022 124 117.3 ~32:20/09/2022

2025/03171 ~ Complete ~54:ADHESIVE BONDING ASSEMBLY OF PHS COATED STEEL PART COATING AND METHOD TO MANUFACTURE THEREOF ~71:ARCELORMITTAL, 24-26 Boulevard d'Avranches, Luxembourg ~72: Frida GILBERT;Maxime BROSSARD;Tiago MACHADO AMORIM~

2025/03177 ~ Complete ~54:ELASTIC MODULE UNIT, ELASTIC PAD, AND FURNITURE ~71:LENG, Luhao, 577-1, Huangcuo Road, Siming District, XIAMEN 361005, FUJIAN, CHINA (P.R.C.), People's Republic of China ~72: LENG, Luhao~ 33:CN ~31:202211308106.9 ~32:24/10/2022

2025/03178 ~ Complete ~54:CONCRETE SEGMENT OF A SECTION OF A TOWER OF A WIND TURBINE AND ADAPTER OF A TOWER OF A WIND TURBINE TOWER ~71:Nordex Energy SE & Co. KG, Langenhorner Chaussee 600, HAMBURG 22419, GERMANY, Germany;Nordex Energy Spain, S.A.U., P.I BARASOAIN, PARCELA 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: ARLABÁN, Teresa;GARCÍA MAESTRE, Iván;GARDUÑO, Aitor;GONZÁLEZ, Miguel;ONGAY, Jon;RUBIO GUILLEN, Iñigo~ 33:EP ~31:22382884.9 ~32:27/09/2022;33:EP ~31:22382885.6 ~32:27/09/2022;33:EP ~31:23382630.4 ~32:21/06/2023

2025/03180 ~ Complete ~54:LIFTING SYSTEM FOR A WIND TURBINE ASSEMBLY SYSTEM AND RELATED LIFTING METHOD ~71:Nordex Energy Spain, S.A.U., Poligono Industrial Barasoain, Parcela 2, BARASOAIN (NAVARRA) 31395, SPAIN, Spain ~72: ALVAREZ YOLDI, Javier;BIEDMA GARCÍA, Manuel;BLANCO DIEGUEZ, Jose Luis;CALDERÓN, Iñigo;CARRILLO ALONSO, Luis;GARCÍA MAESTRE, Iván;RUPPEN CAÑÁS, Francisco José;SOLLA FREIJOMIL, Eugenio Luis;ÁLVARO GUTIÉRREZ, Pablo~ 33:EP ~31:22382884.9 ~32:27/09/2022

2025/03182 ~ Complete ~54:TOPICALLY APPLIED PREPARATION FOR IMPROVING SKIN CONDITION ~71:Beiersdorf AG, Beiersdorfstraße 1 - 9, HAMBURG 22529, GERMANY, Germany ~72: HEUER, Andrea;HÜPEDEN, Jennifer~ 33:DE ~31:10 2022 210 999.6 ~32:18/10/2022;33:EP ~31:2023/075256 ~32:14/09/2023

2025/03188 ~ Complete ~54:LURBINECTEDIN AND DOXORUBICIN COMBINATION ~71:PHARMA MAR, S.A., Polígono Industrial La Mina, Avda. de los Reyes, 1, Colmenar Viejo, E-28770, Madrid, Spain ~72: GREGORY M COTE~ 33:US ~31:63/424,987 ~32:14/11/2022

2025/03191 ~ Complete ~54:THERMAL ENERGY RECOVERY COVER PANEL TO PRODUCE ELECTRICITY ~71:TURANO, Cosmo, Villaggio Olivella 1, CH 6962, Vico Morcote, Switzerland ~72: MANTOVANI, Elis;TURANO, Cosmo~

2025/03154 ~ Provisional ~54:PLUG SYSTEM ~71:MARWICK, Graeme Robert, 7 Ninth Avenue, PARKTOWN NORTH, Johannesburg 2193, Gauteng, SOUTH AFRICA, South Africa;MARWICK, Neil Frank, 31 Steadfray Avenue, Still Bay East, STILLBAAI 6674, Western Cape, SOUTH AFRICA, South Africa ~72: MARWICK, Graeme Robert;MARWICK, Neil Frank~

2025/03157 ~ Complete ~54:POWER TRANSMISSION DEVICE ~71:Qilong Tang, 5-1, Building 2, Yangguang Wangjiangxie, Feilong Road, Gaoping District, Nanchong, Sichuan, People's Republic of China ~72: Juhai Tang;Qilong Tang;Qingshan Tang;Shucheng Tang~

2025/03166 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING ANTI-191P4D12 ANTIBODY DRUG CONJUGATES AND METHODS OF USE THEREOF ~71:AGENSYS, INC., 1800 Stewart Street, Santa Monica, California, 90404, United States of America;SEAGEN INC., 21823 30th Drive SE, Bothell, Washington, 98021, United States of America ~72: GAYATHRI RATNASWAMY;MARIE ROSE VAN SCHRAVENDIJK;ORLA MCGARVEY;YINGQING SUN~ 33:US ~31:62/774,819 ~32:03/12/2018

2025/03168 ~ Complete ~54:DUAL ELECTRODE DC ELECTRIC ARC MELTER ~71:GREYLING, Frederik Petrus, 13A Dolerite Crescent, Middelburg, South Africa ~72: GREYLING, Frederik Petrus~ 33:NL ~31:2037914 ~32:10/06/2024

2025/03190 ~ Complete ~54:N-(5-SUBSTITUTED-[(1,3,4-THIADIAZOLYL) OR (1,3-THIAZOLYL)](SUBSTITUTED)CARBOXAMIDE COMPOUNDS, PHARMACEUTICAL COMPOSITIONS, AND METHODS OF PREPARING THE AMIDE COMPOUNDS AND OF THEIR USE ~71:REPARE THERAPEUTICS INC., 7210 Frederick-Banting, Suite 100, St-Laurent, Québec, H4S 2A1, Canada ~72: ALEXANDER PERRYMAN;BINGCAN LIU;BOUBACAR SOW;DAVID BENDAHAN;EVELYNE DIETRICH;JANEK SZYCHOWSKI;MICHEL GALLANT;MONICA BUBENIK;PHILIPPE MOCHIRIAN;SIMON SURPRENANT;STEPHEN MORRIS~ 33:CA ~31:PCT/CA2022/051446 ~32:29/09/2022;33:US ~31:63/455,612 ~32:30/03/2023

2025/03174 ~ Complete ~54:STEAM GENERATOR, METHOD FOR RELIEVING WEAR OF HEAT TRANSFER TUBES THEREOF, AND COMPONENT MOUNTING METHOD ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No.29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: CHAO, Mengke;HE, Yinbiao;HUANG, Jun;JIAO, Ming;JING, Yi;LI, Chen;LI, Jinghuai;LIN, Shaoxuan;LIU, Chang;MEN, Qiming;SHAO, Changlei;TANG, Lichen;YANG, Xing;YAO, Yangui;YING, Bingbin;YOU, Yan;ZHANG, Kai;ZHANG, Wei;ZHANG, Xingliang;ZHANG, Yicheng;ZHOU, Quan~ 33:CN ~31:202211127714.X ~32:16/09/2022

2025/03185 ~ Complete ~54:METHOD FOR PREPARING CHLORINE-CONTAINING BENZAMIDE DERIVATIVES ~71:FMC CORPORATION, 2929 Walnut Street, Patent Dept., Philadelphia, Pennsylvania, 19104, United States of America;FMC IP TECHNOLOGY GMBH, Industrieplatz 1c/Mittelbau, 8212, Neuhausen, Switzerland ~72: HAO WANG;JIANHUA MAO;NING XU;XIN LIU;YEFENG FAN~ 33:US ~31:63/417,409 ~32:19/10/2022

. - APPLIED ON 2025/04/16 -

2025/03199 ~ Complete ~54:COMPOSITION AND METHODS FOR REDUCING CORN-ON-CORN YIELD PENALTY ~71:MONSANTO TECHNOLOGY LLC, 800 North Lindbergh Boulevard, St. Louis, Missouri, United States of America ~72: FABBRI, Bradon, James;FERREIRA, Ken;KEROVUO, Janne;MCCOWN, Matthew;MOHANTY, Radha, G.;SCHAECHER, Scott, R.~ 33:US ~31:62/258,118 ~32:20/11/2015

2025/03201 ~ Complete ~54:SAFE UTILIZATION METHOD OF LIGHT AND MEDIUM POLLUTED FARMLAND SUITABLE FOR PLATEAU ALKALINE SOIL ~71:FIFTH INSTITUTE OF GEOLOGICAL AND EXPLORATION OF QINGHAI PROVINCE, CHAOYANG WEST ROAD, CHENGBEI DISTRICT, XINING CITY, People's Republic of China ~72: SHEN, Xiao;YAN, JianPing;YAO, Zhen;ZHANG, YaFeng~

2025/03203 ~ Complete ~54:JAPANESE ONLINE TEACHING METHOD ~71:INNER MONGOLIA MINZU UNIVERSITY, NO. 536, WEST HOLINHE STREET, TONGLIAO CITY, People's Republic of China ~72: ZHANG, Jinghui~

2025/03208 ~ Complete ~54:A METHOD FOR CONSTRUCTING A METALLOGENIC MODEL FOR CONGLOMERATE-TYPE GOLD DEPOSITS ~71:The Fourth Geological Exploration Institute of Qinghai Province

(Key Laboratory of Shale Gas Resources of Qinghai Province), No.24, Shengli Road, Chengxi District, Xining City, Qinghai Province, People's Republic of China ~72: Wang Jun;Wu Shaofeng;Zhang Haiqing~ 33:CN ~31:2024108989491 ~32:05/07/2024

2025/03216 ~ Complete ~54:WEARABLE HEALTH MONITORING DEVICE WITH REAL-TIME DATA TRANSMISSION ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: KAUR, Bhupinder;KUMAR, Mirgender~ 33:IN ~31:202511026704 ~32:23/03/2025

2025/03219 ~ Complete ~54:FOOD COMPOSITIONS ~71:ELOKANI INVESTMENTS (PTY) LTD., 209 Monaghan Farm, Lanseria, Gauteng, 1748, South Africa ~72: WENDY TLANGELANI VESELA-NTIMBANI~ 33:ZA ~31:2024/02918 ~32:16/04/2024

2025/03207 ~ Complete ~54:DESIGN DEVICE FOR AEROELASTIC MODELS OF COMPLEX MULTI-SPAN LATTICE FRAMEWORKS ~71:Zhejiang University of Science and Technology, No. 318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang Province, People's Republic of China ~72: Abdifatah Mohamed AIMAD;Ali Mohamed MOHAMUD;FAN Lei;HU Lvsheng;JIN Hui;LI Feng;SONG Fangyuan;ZHANG Jiaming~

2025/03212 ~ Complete ~54:A STORABLE GAIT ACQUISITION DEVICE ~71:The First Affiliated Hospital of Xinxiang Medical University, No.88 Jiankang Road, Weihui City, Xinxiang City, Henan Province, 453100, People's Republic of China ~72: Bo Song;Caifeng Zhang;Hongkai Cui;Huifang Yang;Junqiang Zhao;Junyan Yue;Junyao Li;Linlin Luo;Qianhui Zhai;Wanqi Sun;Wenjie Ren;Wu Ren;Xiaohong Kang;Zhan Yin;Zhongnan Gong;Zhongwei Li~ 33:CN ~31:202520553627.3 ~32:27/03/2025

2025/03213 ~ Complete ~54:REAL-TIME FLOOD RISK MAPPING WITH HYDROLOGIC MODELING AND MACHINE LEARNING ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: MAHAJAN, Rohini;SAXENA, Rini~ 33:IN ~31:202511026255 ~32:21/03/2025

2025/03251 ~ Complete ~54:FEED BLOCK PRODUCTION METHOD USING VACUUM PRESSURE ~71:BETTERFEDFOODS LLC, 15596 Clary Circle, Wamego, United States of America ~72: DROUILLARD, James S.;ZYLBERLICHT, Gabriel Porcel~ 33:US ~31:63/377,126 ~32:26/09/2022;33:US ~31:63/479,302 ~32:10/01/2023

2025/03223 ~ Complete ~54:STORAGE STABLE GLUFOSINATE FORMULATION ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: KIENLE, Marcel, Patrik;KUHN, Steffen;MEIER, Wolfgang;MEINERS, Ingo;SCHREIECK, Jochen;TAN, Siyuan;ZAGAR, Cyrill~ 33:EP ~31:22196470.3 ~32:20/09/2022;33:EP ~31:23167992.9 ~32:14/04/2023

2025/03224 ~ Complete ~54:ENZYMATIC METHOD FOR PRODUCING L-GLUFOSINATE AND ITS PHOSPHOESTERS ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: FISCHER, Daniel;LAUTENSCHÜTZ, Ludger;PÖTTER, Markus;SCHAFFER, Steffen~

2025/03225 ~ Complete ~54:ML CAPABILITY EXCHANGE AND AUTHORIZATION FOR RRM ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ALI, Amaanat;ALWAR, Ethiraj~ 33:IN ~31:202241056215 ~32:30/09/2022

2025/03226 ~ Complete ~54:RANDOM ACCESS PROCEDURE ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AHMADIAN TEHRANI, Amir Mehdi;AHMADZADEH, Arman;MARCONE, Alessio;MASO, Marco;NHAN, Nhat-Quang~ 33:FI ~31:20225824 ~32:23/09/2022

2025/03228 ~ Complete ~54:CONDITIONAL SKIPPING MONITORING OF DOWNLINK CONTROL CHANNEL ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KAIKKONEN, Jorma, Johannes;KOSKINEN, Jussi-Pekka;TURTINEN, Samuli, Heikki;WU, Chunli~

2025/03229 ~ Complete ~54:UE INITIATED MODEL-UPDATES FOR TWO-SIDED AI/ML MODEL ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ALI, Amaanat;ENESCU, Mihai;LADDU, Keeth, Saliya, Jayasinghe~ 33:GB ~31:2213827.5 ~32:22/09/2022

2025/03231 ~ Complete ~54:ACCESS CONTROL FOR ENERGY SAVING MODE ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KOSKELA, Jarkko, Tuomo;LASELVA, Daniela;TAO, Tao;WU, Chunli~

2025/03233 ~ Complete ~54:AN APPARATUS AND METHOD FOR USE IN GUIDING OR FACILITATING THE INSERTION OF AN ELONGATED MEDICAL DEVICE INTO ANATOMICAL OPENINGS ~71:GRAVIDA HEALTH PTY. LTD., 88 Strada Crescent, Australia ~72: SEO, Densearn;SMITH, Vinayak;WARTY, Ritesh Rikain Satyajit~ 33:AU ~31:2022903201 ~32:28/10/2022;33:WO ~31:PCT/AU2023/051092 ~32:27/10/2023

2025/03235 ~ Complete ~54:A BEVERAGE CAPSULE MADE OF MOULDED CELLULOSE WITH IMPROVED OXYGEN AND MOISTURE BARRIER ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: ABEGGLEN, Daniel;HAUSMANN, Michael Karlheinz~ 33:EP ~31:22198432.1 ~32:28/09/2022

2025/03237 ~ Complete ~54:AN APPARATUS AND A METHOD FOR SELECTING A POSITION FOR A MINING VEHICLE ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: LIIKANEN, Henri;PUURA, Jussi;VON ESSEN, Tomi~ 33:EP ~31:22196993.4 ~32:21/09/2022

2025/03239 ~ Complete ~54:NOVEL FUSION PROTEIN SPECIFIC FOR CD137 AND CD228 ~71:Pieris Pharmaceuticals GmbH, Zeppelinstrasse 3, HALLBERGMOOS 85399, GERMANY, Germany;Seagen Inc., 21823 30th Drive SE, BOTHELL 98021, WA, USA, United States of America ~72: BLANUSA, Milan;HEISER, Ryan;JAQUIN, Thomas;SANDALL, Sharsti;SCHERER, Erin;URBAN, Johannes~ 33:US ~31:63/408,634 ~32:21/09/2022;33:US ~31:63/413,174 ~32:04/10/2022;33:US ~31:63/496,463 ~32:17/04/2023

2025/03241 ~ Complete ~54:HIGH-PURITY COPPER RADIOPHARMACEUTICAL COMPOSITIONS AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF ~71:Nuclidium AG, Im Erasmushaus - Bäumleingasse 18, BASEL 4051, SWITZERLAND, Switzerland;University of Basel, Vizerektorat Forschung, Petersgraben 35, BASEL 4001, SWITZERLAND, Switzerland ~72: DE ROSE, Francesco;FANI, Melpomeni;JAAFAR-THIEL, Leila;MILLUL, Jacopo~ 33:US ~31:63/409,687 ~32:23/09/2022;33:US ~31:63/416,479 ~32:14/10/2022;33:US ~31:63/520,329 ~32:17/08/2023

2025/03245 ~ Complete ~54:RNAI AGENTS FOR INHIBITING EXPRESSION OF DM1 PROTEIN KINASE (DMPK) COMPOSITIONS THEREOF, AND METHODS OF USE ~71:Arrowhead Pharmaceuticals, Inc., 177 East Colorado Boulevard, Suite 700, PASADENA 91105, CA, USA, United States of America ~72: AI, Teng;DING, Zhi-Ming;LI, Xiaokai;PEI, Tao;SCHIENEBECK, Casi;VAN DYKE, Jonathan~ 33:US ~31:63/380,171 ~32:19/10/2022;33:US ~31:63/584,283 ~32:21/09/2023

2025/03246 ~ Complete ~54:PYRIMIDINE-FUSED RING COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:GENFLEET THERAPEUTICS (SHANGHAI) INC., Level 2/3/4/5, Suite 8, 1206 Zhangjiang Road, China (Shanghai) Pilot Free Trade Zone Pudong New Area, Shanghai, 201203, People's Republic of China;ZHEJIANG GENFLEET THERAPEUTICS CO., LTD., 4th Floor, No. 3 South Building, Medical Technology Industrial Park, No. 1 Yunhai Road, Lihai Town, Shaoxing Binhai New City Shaoxing, Zhejiang, 312000, People's Republic of China ~72: CHONGLAN LIN;FUSHENG ZHOU;JIONG LAN;KAI MA;LEITAO

ZHANG;LIJIAN CAI;TAO JIANG;TAO LIANG;XIAOMING XU;ZHEN LI;ZHUBO LIU~ 33:CN ~31:202211164578.1 ~32:23/09/2022;33:CN ~31:202211246740.4 ~32:12/10/2022;33:CN ~31:202211279547.0 ~32:19/10/2022;33:CN ~31:202211362218.2 ~32:02/11/2022;33:CN ~31:202211435120.5 ~32:16/11/2022;33:CN ~31:202311221724.4 ~32:20/09/2023

2025/03248 ~ Complete ~54:REFRACTORY LINING DISPOSED ON THE BOTTOM OF A METALLURGICAL UNIT FOR HOLDING A MOLTEN METAL, METHOD OF PROVIDING A REFRACTORY LINING DISPOSED ON THE BOTTOM OF A METALLURGICAL UNIT FOR HOLDING A MOLTEN METAL, AND METALLURGICAL UNIT FOR HOLDING A MOLTEN METAL ~71:REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, Wienerbergstraße 11, 1100, Wien, Austria ~72: DAVID WAPPEL;JOHANNES WUCHER;KARL-MICHAEL ZETTL;RONALD LANZENBERGER~ 33:EP ~31:22207593.9 ~32:15/11/2022

2025/03194 ~ Provisional ~54:INVENTION OF IMPACT FORCE DAMPENING SYSTEM FOR TELECOMMUNICATIONS CABINETS ~71:T.P. MILLARD, 12 Honeyguide cr, South Africa ~72: T.P. MILLARD~

2025/03206 ~ Complete ~54:MOUTH PIECE FOR COOLING OF ORAL TISSUE OF A PATIENT DURING CHEMOTHERAPY TREATMENT ~71:ChemoMouthpiece IP Holdings, LLC, 3411 Silverside Rd., The Mills, Suite 249, WILMINGTON 19810, DE, USA, United States of America ~72: YOSKOWITZ, David~ 33:US ~31:62/317,786 ~32:04/04/2016;33:US ~31:62/460,195 ~32:17/02/2017

2025/03215 ~ Complete ~54:AUTOMATIC SPILL-PROOF CUP LID WITH ADJUSTABLE FLOW CONTROL ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: KAUR, Bhupinder;KUMAR, Mirgender~ 33:IN ~31:202511026261 ~32:21/03/2025

2025/03221 ~ Complete ~54:CATHETER STABILIZER AND GRIP ~71:KUSMO, INC., 1645 ESPLANADE, SUITE 3, CHICO, CA 95926, USA, United States of America ~72: KUSUMOTO, Walter~ 33:US ~31:63/408,692 ~32:21/09/2022

2025/03234 ~ Complete ~54:USES OF BIFIDOBACTERIUM LONGUM TRANSITIONAL MICROORGANISM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BOULANGE, Claire Laurence Lucie Marie;CAVIN, Jean-Baptiste;CIARLO, Eleonora;KWONG CHUNG, Cheong Kwet Choy~ 33:EP ~31:22198035.2 ~32:27/09/2022;33:EP ~31:22204955.3 ~32:01/11/2022

2025/03240 ~ Complete ~54:SOLID TARGET SYSTEMS FOR THE PRODUCTION OF HIGH-PURITY RADIONUCLIDE COMPOSITIONS ~71:Nuclidium AG, Im Erasmushaus - Bäumleingasse 18, BASEL 4051, SWITZERLAND, Switzerland ~72: BAIER, Markus Josef;ISRAD, Luqman Mukhtar;JAAFAR-THIEL, Leila;MOLNAR, Attila~ 33:US ~31:63/409,684 ~32:23/09/2022

2025/03244 ~ Complete ~54:BOLTING HEAD, BOLTING RIG AND METHOD ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HELKALA, Jarno;KOPRA, Riku;NURMIKOLU, Heidi;RUOTSALAINEN, Pasi;SILLANPÄÄ, Vesa;SIMILÄ, Jukka~ 33:EP ~31:22210804.5 ~32:01/12/2022

2025/03222 ~ Complete ~54:NOVEL MINIGASTRIN-DERIVED CHOLECYSTOKININ 2 RECEPTOR BINDING MOLECULES FOR IMAGING AND TARGETED RADIOTHERAPY ~71:TECHNISCHE UNIVERSITÄT MÜNCHEN, ARCISSTRAßE 21, D-80333, MÜNCHEN, GERMANY, Germany;UNIVERSITÄT AUGSBURG, UNIVERSITÄTSSTRASSE 2, 86159 AUGSBURG, GERMANY, Germany ~72: GÜNTHER, Thomas;HOLZLEITNER, Nadine;LAPA, Constantin;WESTER, Hans, Jürgen~ 33:EP ~31:22196630.2 ~32:20/09/2022

2025/03195 ~ Provisional ~54:1. WATERGUARDIAN: A SMART WATER-SHARING AND QUALITY MONITORING SYSTEM FOR COMMUNITY-BASED WATER RESILIENCE ~71:Leo Chetty, 3 Yellowwood Crescent, South Africa ~72: Leo Chetty~

2025/03210 ~ Complete ~54:LONG-ACTING SPLEEN-TARGETING CATIONIC LIPID COMPOUND COMPRISING BENZENE RING STRUCTURE, COMPOSITION COMPRISING SAME, AND USE THEREOF ~71:BEIJING YOUCAREKECHUANG PHARMACEUTICAL TECHNOLOGY CO., LTD., Room 101, 1st Floor, Building 3, Yard 11, Kechuang 7th Street, People's Republic of China ~72: JIN, Lijie;LI, Jing;MA, Yuqing;SONG, Gengshen;ZHANG, Honglei~ 33:CN ~31:2024104637949 ~32:17/04/2024

2025/03227 ~ Complete ~54:MANAGING OF SATELLITE ASSISTANCE INFORMATION DURING HANDOVER PROCEDURE ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: LAURIDSEN, Mads;MEDEIROS DE AMORIM, Rafhael;PORTELA LOPES DE ALMEIDA, Erika~ 33:FI ~31:20225862 ~32:29/09/2022

2025/03230 ~ Complete ~54:DEVICE DISCOVERY AND POSITIONING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: BARBU, Oana-Elena;HARREBEK, Johannes;VEJLGAARD, Benny~ 33:US ~31:63/409,091 ~32:22/09/2022

2025/03232 ~ Complete ~54:A METHOD OF REDUCING DIVERSITY OF TWO-SIDED MACHINE LEARNING MODELS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: BUTT, Muhammad, Majid;PIRMAGOMEDOV, Rustam~ 33:FI ~31:20225831 ~32:23/09/2022

2025/03242 ~ Complete ~54:FIBROBLAST ACTIVATION PROTEIN (FAP) INHIBITORS, FAP CONJUGATES, AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF ~71:Nuclidium AG, Im Erasmushaus - Bäumleingasse 18, BASEL 4051, SWITZERLAND, Switzerland;University of Basel, Vizerektorat Forschung, Petersgraben 35, BASEL 4001, SWITZERLAND, Switzerland ~72: DE ROSE, Francesco;FANI, Melpomeni;JAAFAR-THIEL, Leila;MILLUL, Jacopo~ 33:US ~31:63/409,687 ~32:23/09/2022;33:US ~31:63/416,479 ~32:14/10/2022;33:US ~31:63/520,323 ~32:17/08/2023;33:US ~31:63/520,329 ~32:17/08/2023

2025/03217 ~ Complete ~54:RESINOUS MATERIAL FOR REMEDIATING LIQUID SOLUTIONS CONTAINING HEAVY METAL IONS ~71:AFRICA NEW ENERGIES LIMITED, 308 Ewell Road, Surbiton, United Kingdom ~72: LARKIN, Stephen Charles Gordon;MATHUMBA, Penny~

2025/03196 ~ Provisional ~54:A MOUNTING DEVICE ~71:REDGATE, Peter, 16 COLLEGES CLOSE, SOUTHDOWNS ESTATE, IRENE, CENTURION, SOUTH AFRICA, South Africa ~72: REDGATE, Peter~

2025/03197 ~ Provisional ~54:CABLE ANCHOR WITH INTERLOCKING RIGIDFYING SHEATH ~71:DURINS BOON MINING (PTY) LTD, 2 Avenue de la Sante, BelAire Winelands Estate, South Africa ~72: CAWOOD, Martin~

2025/03209 ~ Complete ~54:AI-DRIVEN METHOD OF AUTOMATED DETECTION OF CRACKS IN PAVEMENT USING DRONE IMAGERY ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: SHARMA, Manish;SINGH, Sarabjit~ 33:IN ~31:202511026253 ~32:21/03/2025

2025/03250 ~ Complete ~54:CHIMERIC ANTIGEN RECEPTORS SPECIFIC TO B-CELL MATURE ANTIGEN (BCMA) AND/OR TRANSMEMBRANE ACTIVATOR AND CAML INTERACTOR (TACI) ~71:ELPIS BIOPHARMACEUTICALS, 128 Spring Street, Lexington, Massachusetts, 02421, United States of America ~72:

GARIMA AGRAHARI;JENNA NGUYEN;KATIE O'CALLAGHAN;KEHAO ZHAO;KEMING ZHANG;NING JIANG;YAN CHEN~ 33:US ~31:63/376,530 ~32:21/09/2022

2025/03252 ~ Provisional ~54:SYSTEM AND METHOD FOR SECURE,TRUSTLESS CRYPTOCURRENCY-BASED PAYMENTS IN CASH ON DELIVERY TRANSACTIONS ~71:Francois Pierre Joubert, 521,20th Ave, Rietfontein, South Africa ~72: Francois Pierre Joubert~

2025/03198 ~ Provisional ~54:LOAD INDICATOR ~71:Techo (Pty) Ltd, 258 West Street, Pretoria North, South Africa ~72: BEZUIDENHOUT, Peter Rocco;FORSTER, Benjamin William;VERSTER, Willem Jacobus~

2025/03200 ~ Complete ~54:WASTE HEAT RECOVERY SYSTEM AND RECOVERY METHOD OF POWER PLANT ~71:SHIHEZI UNIVERSITY, NO. 221, BEISI ROAD, SHIHEZI CITY, People's Republic of China ~72: E, Reaihan;GUO, Yuanhang;LI, Junfeng;LIU, Hongguang;WANG, Jingrun~ 33:CN ~31:2024118790484 ~32:19/12/2024

2025/03202 ~ Complete ~54:MINING SUPPORT DEVICE WITH SAFETY DETECTION ~71:HEILONGJIANG UNIVERSITY OF TECHNOLOGY, NO. 99, HEPING SOUTH STREET, JIGUAN DISTRICT, JIXI CITY, HEILONGJIANG PROVINCE, People's Republic of China ~72: CHENG, Tong;DU, Kai;QU, Nianhua;WANG, Haitao;WANG, Yajun~

2025/03204 ~ Complete ~54:FEEDING CONTROL SYSTEM FOR PET FEEDERS ~71:ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, NO. 1501, HUANGSHAN AVENUE, BENGBU CITY, People's Republic of China ~72: CHENG, Xuan;REN, Liangliang;WANG, Yanping;XU, Bing;ZHENG, Wenjie~

2025/03205 ~ Complete ~54:MOUTH PIECE FOR COOLING OF ORAL TISSUE OF A PATIENT DURING CHEMOTHERAPY TREATMENT ~71:ChemoMouthpiece IP Holdings, LLC, 3411 Silverside Rd., The Mills, Suite 249, WILMINGTON 19810, DE, USA, United States of America ~72: YOSKOWITZ, David~ 33:US ~31:62/317,786 ~32:04/04/2016;33:US ~31:62/460,195 ~32:17/02/2017

2025/03211 ~ Complete ~54:BILL STICKING DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHEN, Xinyu;GUO, Hua;JIA, Ruizhi;LI, Bing;SONG, Xiaohan;XIN, Yicong;ZHAO, Jiannan~

2025/03214 ~ Complete ~54:TUNNEL DEFORMATION MONITORING USING LIDAR AND DEEP LEARNING ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: GUPTA, Anish;JEET, Rubal~ 33:IN ~31:202511026257 ~32:21/03/2025

2025/03218 ~ Complete ~54:SEALING BODY FOR SYRINGE ~71:KORTUC JAPAN LLC, Shiroyama Trust Tower, 4F, 4-3-1 Toranomon, Minato-ku, Tokyo, 1056004, Japan;TAISEI KAKO CO., LTD., 8-1, Toyosaki 6-chome, Kita-ku, Osaka-shi, Osaka, 5310072, Japan ~72: KEISUKE YOSHINAGA;SHOGO YAMASHITA;TAIJI HORITA;TOMOYUKI SONOYAMA~ 33:JP ~31:2022-060385 ~32:31/03/2022

2025/03220 ~ Complete ~54:METHOD FOR REMOVING ARSENIC IN CASSITERITE TAILINGS BY ULTRASONIC-ASSISTED FLOTATION ~71:Guangxi University, 100 Daxue Road, Xixiangtang District, Nanning City, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: CHEN Jianhua;LIAO Xingjin~ 33:CN ~31:2023112145316 ~32:20/09/2023

2025/03249 ~ Complete ~54:APPARATUS FOR DEGASSING MOLTEN PLASTIC MATERIAL ~71:GAMMA MECCANICA S.P.A., Via Sacco e Vanzetti, 13 42021 Bibbiano, Frazione Ghiardo, Italy ~72: PAOLO BOVIS~ 33:IT ~31:102022000021948 ~32:25/10/2022

2025/03236 ~ Complete ~54:PRESERVED GIP/GLP AGONIST COMPOSITIONS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46206-6288, IN, USA, United States of America ~72: ALLEN, David Paul;DOYLE, Brandon Lee;HETRICK, Evan Michael;QIAN, Ken Kangyi~ 33:US ~31:63/417,339 ~32:19/10/2022;33:US ~31:63/380,998 ~32:26/10/2022

2025/03243 ~ Complete ~54:INTELLIGENT MONITORING METHOD AND SYSTEM FOR NUCLEAR POWER STATION STEAM GENERATOR ~71:Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No. 29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: DENG, Jingjing;HUANG, Jun;LI, Chen;LIU, Chang;TANG, Lichen;YAO, Yangui;YING, Bingbin;ZHANG, Wei;ZHANG, Xingliang;ZHANG, Yicheng~ 33:CN ~31:202211138332.7 ~32:19/09/2022

2025/03247 ~ Complete ~54:INTEGRAL INSTALLATION METHOD FOR SUPERSTRUCTURE OF OFFSHORE PILE-FOUNDATION MARINE BUILDING ~71:CCCC SECOND HARBOR ENGINEERING CO., LTD., No.11 Jinyinhu Road, Dongxihu District, Wuhan, Hubei, 430040, People's Republic of China;CCCC WUHAN HARBOUR ENGINEERING DESIGN AND RESEARCH CO., LTD., No.11 Jinyinhu Road, Dongxihu District, Wuhan, Hubei, 430040, People's Republic of China ~72: CONG HE;CONG WANG;CONGCONG LIU;DIYU CHEN;DONGLIANG ZHAO;HONGXING LIN;KAIXUAN YANG;LEI ZHANG;LILONG SHEN;LONG ZHOU;NINGBO GAO;PENGPENG HAN;RUIYI HUANG;WANJING SUN;XIANDAO FENG;YIZHOU XIAO;YONGTAO ZHANG;ZHAO LUO;ZHENGZHONG QIU~ 33:CN ~31:202211405491.9 ~32:10/11/2022

2025/03238 ~ Complete ~54:HEXAHYDRO-2H-PYRIDO[2,1-A]ISOQUINOLINE VMAT2 INHIBITORS AND METHODS OF USE ~71:Neurocrine Biosciences, Inc., 6027 Edgewood Bend Court, SAN DIEGO 92130, CA, USA, United States of America ~72: BOON, Byron A.;GU, Jieyu;HARRIOTT, Nicole;PAGANO, Nicholas;XUE, Yibin~ 33:US ~31:63/408,556 ~32:21/09/2022;33:US ~31:63/426,421 ~32:18/11/2022

. - APPLIED ON 2025/04/17 -

2025/03280 ~ Complete ~54:LOW-POWER WI-FI ROUTER WITH ADAPTIVE BANDWIDTH ALLOCATION ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: GUPTA, Sofia;KAUR, Sharnjeet~ 33:IN ~31:202511026703 ~32:23/03/2025

2025/03288 ~ Complete ~54:SELF-ADJUSTING ERGONOMIC CHAIR WITH A POSTURE CORRECTION MECHANISM ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A Sahibzada Ajit Singh Nagar, India ~72: KAUR, Sarabpreet;MEHTA, Richa~ 33:IN ~31:202511026260 ~32:21/03/2025

2025/03294 ~ Complete ~54:PORTABLE AND ADJUSTABLE LAPTOP STAND WITH PASSIVE COOLING CHANNELS ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: BANSAL, Jaya;WALIA, Jagdeep~ 33:IN ~31:202511026695 ~32:23/03/2025

2025/03306 ~ Complete ~54:SMART WATER HEATER CONTROLLER WITH USAGE PATTERN RECOGNITION ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: BANSAL, Jaya;KAUR, Jaspreet~ 33:IN ~31:202511028199 ~32:25/03/2025

2025/03319 ~ Complete ~54:SAFE RECYCLABLE LARGE PAINT DRY AND WET GRINDING VISUAL COLOR IDENTIFICATION WORKBENCH ~71:WUHU INSTITUTE OF TECHNOLOGY, No. 201 Wenjin West Road, Yijiang District, Wuhu, Anhui 241000, People's Republic of China ~72: JI, Kewen;PU, Qiangsong;XU, Liying~

2025/03325 ~ Provisional ~54:SOFTWARE IMPLEMENTED CERTIFICATION SYSTEM AND METHOD ~71:KIROV DYNAMICS (PTY) LTD., STAND 280, 15 WILEM DE ZWAAN PLACE, PHILIP NEL PARK, GAUTENG PROVINCE,, South Africa ~72: MASHAU, Dakalo~

2025/03255 ~ Provisional ~54:BOOSTER CONNECTION ASSEMBLY ~71:WOODLANDS ENGINEERING (PTY) LIMITED, Cnr Yacht & Vlagskip Streets, Laser Park, Honeydew, Gauteng, South Africa ~72: NEIL ARTHUR COCKIN~

2025/03257 ~ Provisional ~54:ELECTROLYIS APPARATUS ~71:HYDROX HOLDINGS LIMITED, 32 Ida Street, Menlyn, South Africa ~72: DE JAGER, Cornelis, Johannes~

2025/03264 ~ Complete ~54:CEMENT EMBEDDED SENSOR-BASED METHOD AND SYSTEM FOR ASSESSING STRUCTURE INTEGRITY ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A SAHIBZADA AJIT SINGH NAGAR, India ~72: JUNEJA, Gaurav;TOMAR, Anshu~

2025/03273 ~ Complete ~54:VOICE-CONTROLLED RECIPE ASSISTANT WITH STEP-BY-STEP DISPLAY LOGIC ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: SIDHU, Manjot Kaur;SINGH, Gurpreet~ 33:IN ~31:202511030765 ~32:29/03/2025

2025/03284 ~ Complete ~54:BIM-INTEGRATED METHOD FOR ENERGY EFFICIENCY ANALYSIS OF BUILDING STRUCTURES ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: DHIMAN, Sourabh;JUNEJA, Gaurav~ 33:IN ~31:202511026256 ~32:21/03/2025

2025/03290 ~ Complete ~54:MODULAR WALL-MOUNTED FAN WITH DIRECTIONAL AIRFLOW CONTROL ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: BRAR, Manbir Kaur;SINGH, Sarabjit~ 33:IN ~31:202511026264 ~32:21/03/2025

2025/03298 ~ Complete ~54:PERSONAL SAFETY ALARM WITH GPS AND MOTION SENSOR CIRCUITRY ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: KAUR, Sumanpreet;MEHTA, Richa~ 33:IN ~31:202511028492 ~32:26/03/2025

2025/03303 ~ Complete ~54:PORTABLE TRAFFIC MONITOR WITH VEHICLE DETECTION AND REPORTING ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: KAUR, Preetinder;MANN, Vikasdeep Singh~ 33:IN ~31:202511028203 ~32:25/03/2025

2025/03309 ~ Complete ~54:AUTOMATED WINDOW VENTILATION SYSTEM WITH AIR QUALITY FEEDBACK ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: Gupta, Anish;SHAHI, Ashima~ 33:IN ~31:202511028491 ~32:26/03/2025

2025/03359 ~ Complete ~54:MULTI-PATH INTERNALLY-MICROPOROUS EFFICIENT REFRIGERATION METHOD AND DEVICE FOR FROZEN SAND MOLD ~71:NANJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS, NO. 29 YUDAO STREET, People's Republic of China ~72: SHAN, Zhongde;SHI, Jianpei;YANG, Haoqin~ 33:CN ~31:202211377138.4 ~32:04/11/2022

2025/03269 ~ Complete ~54:MOF-DERIVED MNOX-CEO2 CATALYST AND ITS PREPARATION METHOD AND APPLICATION IN CATALYTIC OXIDATION OF TOLUENE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: MENG Xiangyu;SUN Hua;ZHANG Yanbing~

2025/03276 ~ Complete ~54:SMART CALENDAR SYNC SYSTEM WITH CONFLICT RESOLUTION ALGORITHMS ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: REDDY, Pradeep;SINGLA, Chaitanya~ 33:IN ~31:202511026707 ~32:23/03/2025

2025/03281 ~ Complete ~54:AUTOMATED GROCERY LIST COMPILER WITH BARCODE SCANNING INTEGRATION ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: KUMAR, Mukesh;VERMA, Deeksha~ 33:IN ~31:202511026706 ~32:23/03/2025

2025/03283 ~ Complete ~54:CONSTRUCTION PROJECT DELAY PREDICTION USING BAYESIAN NETWORKS AND HISTORICAL DATA ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A SAHIBZADA AJIT SINGH NAGAR, India ~72: DHIMAN, Sourabh;PANDEY, Vineet~ 33:IN ~31:202511026254 ~32:21/03/2025

2025/03297 ~ Complete ~54:ELECTRONIC WASTE BIN MONITOR WITH FILL LEVEL DETECTION ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: SINGLA, Chaitanya;SINGLA, Rubani~ 33:IN ~31:202511028202 ~32:25/03/2025

2025/03308 ~ Complete ~54:ELECTRONIC PET FEEDER WITH WEIGHT SENSING AND DISPENSING CONTROL ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: GOYAL, Shanky;JEET, Rubal~ 33:IN ~31:202511028489 ~32:26/03/2025

2025/03317 ~ Complete ~54:YEAST COMPOSITIONS HAVING ANTIOXIDANT PROPERTIES ~71:DANSTAR FERMENT AG, Poststrasse 30, Switzerland;UNIVERSITÉ DE BOURGOGNE, Maison de l'Université, France ~72: BAHUT, Florian;GOUGEON, Régis D.;NIKOLANTONAKI, Maria;SIECZKOWSKI, Nathalie~ 33:EP ~31:22306628.3 ~32:27/10/2022

2025/03263 ~ Complete ~54:SYSTEM AND METHOD OF COMPREHENSIVE STRESS ANALYSIS IN METALLIC STRUCTURES ~71:CHANDIGARH GROUP OF COLLEGES, CHANDIGARH GROUP OF COLLEGES STATE HIGHWAY, SIRHIND ROAD, 12A SAHIBZADA AJIT SINGH NAGAR, India ~72: MANN, Vikasdeep Singh;SHARMA, Sahil~ 33:IN ~31:202511026248 ~32:21/03/2025

2025/03265 ~ Complete ~54:REAL-TIME MONITORING OF CONCRETE STRUCTURAL INTEGRITY IN BRIDGE STRUCTURES ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A SAHIBZADA AJIT SINGH NAGAR, India ~72: PANDEY, Vineet;TOMAR, Anshu~ 33:IN ~31:202511026250 ~32:21/03/2025

2025/03271 ~ Complete ~54:A SYNTHESIS PROCESS AND MULTIPLE EMISSION BAND IN PARTIALLY REDUCED Y_2O_3: EU PHOSPHOR ~71:DHOBLE, Sanjay J., DEPARTMENT OF PHYSICS, RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;KHODE, Praful P., DEPARTMENT OF PHYSICS, RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;NAGPURE, Siddheshwar M., DEPARTMENT OF PHYSICS, RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;NIKOLAY, Naumov G., INSTITUTE OF INORGANIC CHEMISTRY, SIBERIAN BRANCH OF THE RUSSIAN ACADEMY OF SCIENCE, 630090, NOVOSIBIRSK, Russian Federation;PARAUHA, Yatish R., DEPARTMENT OF PHYSICS, SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR, MAHARASHTRA, 440013, India;TURKANE, Mukesh D., DEPARTMENT OF PHYSICS, RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;ZADE, Pranjali A., DEPARTMENT OF PHYSICS, RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India ~72: DHOBLE, Sanjay J.;KHODE, Praful P.;NAGPURE, Siddheshwar M.;NIKOLAY, Naumov G.;PARAUHA, Yatish R.;TURKANE, Mukesh D.;ZADE, Pranjali A.~

2025/03279 ~ Complete ~54:REAL-TIME VIDEO CALL ENHANCER WITH BACKGROUND NOISE CANCELLATION ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: DEVI, Anita;SHARMA, Ishu~ 33:IN ~31:202511026697 ~32:23/03/2025

2025/03286 ~ Complete ~54:TEMPERATURE-REGULATED BEVERAGE CONTAINER WITH PHASE-CHANGE THERMAL MANAGEMENT ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A SAHIBZADA AJIT SINGH NAGAR, India ~72: AGGARWAL, Ankita;GOYAL, Shivani~ 33:IN ~31:202511026262 ~32:21/03/2025

2025/03291 ~ Complete ~54:COMPACT HANDHELD VACUUM CLEANER WITH SELF-CLEANING FILTER MECHANISM ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: SINGH, Gurpartap;SINGH, Sukhdeep~ 33:IN ~31:202511026265 ~32:21/03/2025

2025/03300 ~ Complete ~54:AIR QUALITY MONITOR WITH EMBEDDED PARTICULATE SENSOR ARRAY ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: GUPTA, Anikate;WALIA, Jagdeep~ 33:IN ~31:202511030767 ~32:29/03/2025

2025/03311 ~ Complete ~54:PERSONALIZED MUSIC PLAYLIST GENERATOR WITH MOOD-BASED AUDIO PROCESSING ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: GOYAL, Vinay Kumar;MITTAL, Saurabh~ 33:IN ~31:202511026702 ~32:23/03/2025

2025/03314 ~ Complete ~54:LIQUID FORMULATION OF BELUMOSUDIL ~71:KADMON CORPORATION, LLC, 55 Corporate Drive, Bridgewater, United States of America ~72: BEVILLE, Mark;KANJI, Nazim;REGEV, Galit;SCHUELLER, Olivier~ 33:US ~31:PCT/US2022/044256 ~32:21/09/2022

2025/03261 ~ Complete ~54:BULK MATERIAL CONVEYOR USED IN OPEN-PIT MINING AREA ~71:Ningxia Tiandi Northwest Coal Machinery Co. , Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: CAI Ruikun;LI Jiapeng;LIU Zengjie;MA Zhao;TIAN Yanjun;TONG Jianzhong;WANG Zhangui;YANG Hai;YANG Jie;YUAN Xiaolong;ZHANG Cheng;ZHANG Fenyou~

2025/03292 ~ Complete ~54:SELF-ADJUSTING TENSION MECHANISM FOR EXERCISE RE-SISTANCE BANDS ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: KUMAR, Parveen;SINGH, Gurpartap~ 33:IN ~31:202511026266 ~32:21/03/2025

2025/03302 ~ Complete ~54:SMART MIRROR WITH TOUCH INTERFACE AND ENVIRONMENTAL SENSORS ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: CHOUDHARY, Rashmi;VERMA, Deeksha~ 33:IN ~31:202511030764 ~32:29/03/2025

2025/03324 ~ Complete ~54:HIDE TANNING PROCESS, METHOD FOR PREPARING LEATHER, AND DETANNING PROCESS ~71:CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3 rue Michel Ange, France;CTC, Parc Scientifique Tony Garnier 4 rue Hermann Frenkel, France;ENSCM - ECOLE NATIONALE SUPERIEURE DE CHIMIE, 240 avenue du Professeur Emile Jeanbrau, France;UNIVERSITÉ DE MONTPELLIER, 163 rue Auguste Broussonnet, France ~72: CASSENTI, Thomas;MEHDI, Ahmad;MONTHEIL, Titouan;PONCET, Thierry;SUBRA, Gilles~ 33:FR ~31:FR2209659 ~32:23/09/2022

2025/03266 ~ Complete ~54:AUTOMATED GEOTECHNICAL RISK ASSESSMENT TOOL FOR SLOPE STABILITY USING MACHINE LEARNING AND GIS INTEGRATION ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A SAHIBZADA AJIT SINGH NAGAR, India ~72: REDDY, Pradeep;SHARMA, Ishu~ 33:IN ~31:202511026251 ~32:21/03/2025

2025/03268 ~ Complete ~54:EMAIL SORTING ENGINE WITH PRIORITY-BASED MACHINE LEARNING ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: KUMAR, Mukesh;SINGH, Sajjan~ 33:IN ~31:202511030766 ~32:29/03/2025

2025/03270 ~ Complete ~54:INTELLIGENT GRAPHIC DESIGN METHOD AND SYSTEM BASED ON NATURAL LANGUAGE PROCESSING AI MODEL ~71:Anhui Technical College Of Mechanical and Electrical Engineering, No. 16 Wenjin West Road, Yijiang District, Wuhu City, Anhui Province, 241002, People's Republic of China ~72: HE Zengyu;LIU Bo;LIU Di;SHI Wangyang;WANG Guoyi;WU Linlin;YUAN Tao;ZHANG Run~

2025/03277 ~ Complete ~54:WELDING DEVICE OF REINFORCEMENT CAGES FOR CONSTRUCTION ~71:China Construction Sixth Engineering Division Co., Ltd., No. 72 Hangzhou Road, Hangzhou Dao Street, Binhai New Area, Tianjin City, People's Republic of China ~72: Cai Junbao;Lin Lei;Song Fei;Sui Qiuyue;Wang Haifeng;Wang Li;Wu Minling;Xu Hao;Xu Xincheng;Zhang Fengli~ 33:CN ~31:2024113252127 ~32:23/09/2024

2025/03301 ~ Complete ~54:ELECTRONIC MEDICATION DISPENSER WITH DOSAGE TRACKING AND ALERTS ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: MAHAJAN, Rohini;SAXENA, Rini~ 33:IN ~31:202511030770 ~32:29/03/2025

2025/03305 ~ Complete ~54:NOISE POLLUTION DETECTOR WITH REAL-TIME AUDIO PROCESSING ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: KAUR, Jaspreet;KUMAR, Preneet~ 33:IN ~31:202511028200 ~32:25/03/2025

2025/03313 ~ Complete ~54:PRESTRESSED PIPE FOR SHIELD TUNNEL ~71:CHINA RAILWAY NO.5 ENGINEERING GROUP CO., LTD., No. 23 Zaoshan Road, Yunyan District, Guiyang City, People's Republic of China;HUAQIAO UNIVERSITY, No. 668 Jimei Avenue, Jimei District, Xiamen City, People's Republic of China;HUNAN CITY UNIVERSITY, No. 518 Yingbin East Road, Yiyang City, People's Republic of China;HUNAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.2 Shimatou, Yuhu District, Xiangtan City, People's Republic of China ~72: LI, Yongyi;LUO, Wuzhuang;OU, Ke;SHI, Kun;XU, Zan;YAN, Zhenwei;YU, Jin;ZHANG, Chao;ZHOU, Hao;ZHU, Dongping~

2025/03316 ~ Complete ~54:MULTI-COMPONENT HYDROGEL GEL AND USES OF THE SAME ~71:GALDERMA HOLDING SA, Zählerweg 10, Zug, Switzerland ~72: HÅGESTAM, Katarina;KNUTSON, Paula;LUNDGREN, Björn;MORGAN, Peter~ 33:US ~31:63/408,718 ~32:21/09/2022

2025/03320 ~ Complete ~54:ROAD-TRAFFIC CARBON EMISSION PREDICTION METHOD AND APPARATUS BASED ON DEEP LEARNING ~71:CHECC DATA CO., LTD., Block A, 9th Floor, Jiahao International Centre, 116 Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China;CHINA HIGHWAY ENGINEERING CONSULTANTS CORPORATION, Block A, 9th Floor, Jiahao International Centre, 116 Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China ~72: CAO, Xiangdong;DONG, Yuanshuai;HOU, Yun;HU, Lin;LI, Wang;SHENG, Mengya;SONG, Hongxia;WANG, Hui~ 33:CN ~31:202311719331.6 ~32:14/12/2023

2025/03256 ~ Provisional ~54:INTEGRAL FENCE POST-CLAMP FOR PANEL INTEGRATION AND SIMPLIFIED INSTALLATION ~71:GIANNOPOULOS, John, Unit 81 Killcullen Estate, 32 Whitney Street, Bryanston, South Africa ~72: TBA~

2025/03260 ~ Complete ~54:DRY-TYPE DC LINK CAPACITOR FOR SMART GRIDS ~71:Shengrong Power Technology (Anhui) Co., Ltd., A1 # Factory Building, Information Industry Park Phase II, Shizishan High tech Zone, Tongguan District, Tongling City, Anhui Province, 244000, People's Republic of China;WUXI POWER FILTER CO., LTD, 513 Jincheng East Road, Meicun Street, Xinwu District, Wuxi, Jiangsu, 214112, People's Republic of China ~72: CAO, Chongfeng;FENG, Ying;LI, Yinda;QIU, Xi;SUN, Xiaowu~ 33:CN ~31:202411069772.0 ~32:06/08/2024

2025/03262 ~ Complete ~54:SELF-ADAPTIVE COMPENSATION INTELLIGENT SELF-ADVANCING TAILPIECE ~71:Ningxia Tiandi Northwest Coal Machinery Co. , Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: CAI Ruikun;FENG Baozhong;HE Yongfeng;LAN Chunsen;MA Liwei;MA Yupeng;TONG Jianzhong;WANG Hao;WANG Ning;WANG Xinghong;YANG Hai;YANG Ping;YUAN Xiaolong~

2025/03267 ~ Complete ~54:SMART TV INTERFACE WITH GESTURE-CONTROLLED MENU NAVIGATION ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: DEVI, Anita;SHABBIR, Mohd~ 33:IN ~31:202511030769 ~32:29/03/2025

2025/03275 ~ Complete ~54:WEARABLE FITNESS TRACKER WITH CUSTOMIZABLE DATA COMPRESSION ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: BRAR, Manbir Kaur;KUMAR, Raj~ 33:IN ~31:202511026705 ~32:23/03/2025

2025/03278 ~ Complete ~54:PORTABLE DEVICE CHARGER WITH DYNAMIC LOAD DISTRIBUTION CIRCUITRY ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: GUPTA, Sofia;KAUR, Sharnjeet~ 33:IN ~31:202511026700 ~32:23/03/2025

2025/03285 ~ Complete ~54:SMART TRAFFIC MANAGEMENT FOR INTERSECTION OPTIMIZATION USING REINFORCEMENT LEARNING ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A Sahibzada Ajit Singh Nagar, India ~72: GOYAL, Shanky;SHAHI, Ashima~ 33:IN ~31:202511026258 ~32:21/03/2025

2025/03289 ~ Complete ~54:SMART RETRACTABLE CLOTHES DRYING RACK WITH HUMIDITY SENSING AND AUTO-RETRACT MECHANISM ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: KUMAR, Parveen;SINGH, Varinder~ 33:ID ~31:202511026263 ~32:21/03/2025

2025/03296 ~ Complete ~54:ADAPTIVE LIGHTING CONTROLLER WITH AMBIENT SENSOR INTEGRATION ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: JAIDKA, Sachin;SHABBIR, Mohd~ 33:IN ~31:202511026696 ~32:23/03/2025

2025/03321 ~ Complete ~54:HUMANIZED L1CAM ANTIBODY-DRUG CONJUGATE ~71:CURON BIOPHARMACEUTICAL (SHANGHAI) CO., LIMITED, Room 103, No. 6, Lane 898, Halley Road, China (Shanghai) Pilot Free Trade Zone, People's Republic of China ~72: CHEN, Zhihong;DING, Zhilou;GU, Jinming;WANG, Ji;YANG, Qiumei~ 33:CN ~31:202211317321.5 ~32:26/10/2022

2025/03323 ~ Complete ~54:NOVEL ANTI-CTLA4 ANTIBODY ~71:GENOR BIOPHARMA CO., LTD., Room 401-17, Bldg. 6, No. 690 Bibo Road, China (Shanghai) Pilot Free Trade Zone Pudong New Area, People's Republic of China ~72: CAO, Huanhuan;DING, Qian;DU, Qinglin;HAN, Shuhua;LI, Xueqin;LV, Yaxuan;PENG, Fei;TAN, Yongcong;YANG, Xueyan;ZHOU, Tiantian~ 33:CN ~31:PCT/CN2022/128253 ~32:28/10/2022

2025/03274 ~ Complete ~54:HOME SECURITY CAMERA CONTROLLER WITH MOTION-TRIGGERED FRAME RATE ADJUSTMENT ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: SIDHU, Manjot Kaur;SINGH, Gurpreet~ 33:IN ~31:202511026701 ~32:23/03/2025

2025/03282 ~ Complete ~54:DIGITAL TWIN PLATFORM FOR BRIDGE MAINTENANCE USING IOT AND FINITE ELEMENT ANALYSIS ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: SHARMA, Manish;SINGH, Kushdeep~ 33:IN ~31:202511026252 ~32:21/03/2025

2025/03293 ~ Complete ~54:COMPACT RETRACTABLE CLOTHESLINE WITH INTEGRATED DRYING CLIPS ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: KUMAR, Ashish;SHARMA, Ashwani Kumar~ 33:IN ~31:202511026267 ~32:21/03/2025

2025/03312 ~ Complete ~54:ASSEMBLY METHOD AND STRUCTURE FOR A STEEL - COLUMN BASE JOINT WITH SEISMIC RESILIENCE ~71:ZHEJIANG UNIVERSITY OF SCIENCE &TECHNOLOGY, No. 318 Liuhe Road, Hangzhou City, People's Republic of China ~72: CHEN, Shixin;MEI, Danyang;WANG, Fengzhi;XIA, Yongqiang~ 33:CN ~31:202510374025.6 ~32:27/03/2025

2025/03318 ~ Complete ~54:DROPOUT SURGE ARRESTOR ~71:VAN HEERDEN, Anton, 12 Ripplemead Road, Nahoon Valley Park, South Africa ~72: VAN HEERDEN, Anton~ 33:ZA ~31:2022/10396 ~32:20/09/2022

2025/03254 ~ Provisional ~54:ENERGY STORAGE AND SUPPLY UNIT ~71:HT ENERGY (PTY) LTD, Freeway Industrial Park WH2 ABM, 24 Pomona Rd,, South Africa ~72: TBA~

2025/03258 ~ Provisional ~54:A ROUTINE MANAGEMENT SYSTEM ~71:UNIVERSITY OF JOHANNESBURG, Cnr. Kingsway and University Roads, Auckland Park, South Africa ~72: ERASMUS, Anya;MOSELEY, Ashton~

2025/03272 ~ Complete ~54:BATTERY HEALTH MONITOR WITH PREDICTIVE DEGRADATION ANALYTICS ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: KUMAR, Raj;MITTAL, Saurabh~ 33:IN ~31:202511026698 ~32:23/03/2025

2025/03287 ~ Complete ~54:REAL-TIME SEISMIC RESPONSE PREDICTION OF HIGH-RISE STRUCTURES ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A Sahibzada Ajit Singh Nagar, India ~72: BEDI, Talwinder Singh;KAUSHIK, Vikas~ 33:IN ~31:202511026259 ~32:21/03/2025

2025/03295 ~ Complete ~54:ADJUSTABLE ERGONOMIC BACKPACK WITH DYNAMIC LOAD DISTRIBUTION MECHANISM ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: KAUR, Preetinder;KUMAR, Arvind~ 33:IN ~31:202511026699 ~32:23/03/2025

2025/03299 ~ Complete ~54:SMART IRRIGATION CONTROLLER WITH SOIL MOISTURE SENSING ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: AGGARWAL, Ankita;KAUR, Sarabpreet~ 33:IN ~31:202511030771 ~32:29/03/2025

2025/03307 ~ Complete ~54:ELECTRONIC SLEEP TRACKER WITH VIBRATION-BASED WAKE-UP MECHANISM ~71:CHANDIGARH GROUP OF COLLEGES, State Highway, Sirhind Road, 12A, Sahibzada Ajit Singh Nagar, India ~72: GAGNEJA, Kunal;KAUR, Gagandeep~ 33:IN ~31:202511028488 ~32:26/03/2025

2025/03259 ~ Provisional ~54:HOLDER FOR A CONTAINER ~71:GRAND PLASTICS (PTY) LTD, 3 Heron Park, Ou paardevlei road, Olive Grove Industrial Estate, South Africa ~72: LE GRANGE, Clyde Jared;LE GRANGE, Martin Francisco~

2025/03304 ~ Complete ~54:REFRIGERATOR INVENTORY TRACKER WITH RFID INTEGRATION ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: GOYAL, Shivani;KUMAR, Puneet~ 33:IN ~31:202511028198 ~32:25/03/2025

2025/03310 ~ Complete ~54:SMART DOORBELL WITH FACIAL RECOGNITION AND AUDIO PROCESSING CIRCUITRY ~71:CHANDIGARH GROUP OF COLLEGES, STATE HIGHWAY, SIRHIND ROAD, 12A, SAHIBZADA AJIT SINGH NAGAR, India ~72: GUPTA, Anish;TYAGI, Lalit Kumar~ 33:IN ~31:202511028490 ~32:26/03/2025

2025/03315 ~ Complete ~54:HUMANIZED ANTI-IL-1R3 ANTIBODY AND METHODS OF USE ~71:SANOFI BIOTECHNOLOGY, 82 avenue Raspail, 94250 Gentilly, France ~72: LANGE, Christian;LI, Ziyu;SJUTS, Hanno;STEINMANN, Björn;WEIL, Sandra~ 33:EP ~31:22315214.1 ~32:21/09/2022

2025/03322 ~ Complete ~54:A SECURING ASSEMBLY ~71:DAVIS, Paul Michael, 6 Bute Street, Melrose, South Africa;MEYER, Aldrich, 19 Koedoe Street, Brackenhurst Extension 2, South Africa ~72: MEYER, Aldrich~ 33:ZA ~31:2022/11279 ~32:14/10/2022

. - APPLIED ON 2025/04/21 -

2025/03361 ~ Complete ~54:APPLICATION OF CUCUMBER CSHSP17.8A GENE IN REGULATING HEAT RESISTANCE AND HIGH-TEMPERATURE AND HIGH-HUMIDITY COMBINED RESISTANCE ~71:SPICE AND BEVERAGE RESEARCH INSTITUTE, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES, Xinglong Tropical Botanical Garden, Wanning City, Shengzhixiaxianjixingzhengquhua, Hainan, 571533, People's Republic of China ~72: CHENG, Zhihui;LIU, Hanqiang;MENG, Huanwen;PAN, Yupeng;WANG, Xi-ao;YAN, Lin~ 33:CN ~31:202510189137.4 ~32:20/02/2025

2025/03445 ~ Provisional ~54:AQUAREGISTRY ~71:OFFINGTECK (Pty) Ltd, 05 Marloth heights, South Africa ~72: Sibusiso Mathonsi~

2025/03360 ~ Complete ~54:EARLY-STAGE BRIDGE DEFORMATION IDENTIFICATION METHOD AND SYSTEM BASED ON INSAR TECHNOLOGY ~71:CHECC DATA CO., LTD., Block A, 9th Floor, Jiahao International Centre, 116 Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China;CHINA HIGHWAY ENGINEERING CONSULTANTS CORPORATION, Block A, 9th Floor, Jiahao International Centre, 116 Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China ~72: DONG, Yuanshuai;LI, Wang;SHAO, Qiushi;XIN, Guangtao;ZHANG, Peng;ZHANG, Xingzu;ZHANG, Yan~ 33:CN ~31:202311663193.4 ~32:06/12/2023

2025/03331 ~ Complete ~54:ENVIRONMENTAL MONITORING DEVICE FOR INTELLIGENT CONSTRUCTION ~71:Jinggangshan University, Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: ZHANG, Zhichong;ZOU, Jiamin~

2025/03334 ~ Complete ~54:A BODY FLUID CELL COLLECTION AND TESTING DEVICE FOR BODY FLUID ASSAY ~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: Zheng Xiaojin~

2025/03333 ~ Complete ~54:HIGH-PERFORMANCE LITHIUM-SULFUR BATTERY MODIFIED SEPARATOR AND PREPARATION METHOD THEREFOR ~71:XINYU UNIVERSITY, No. 2666, Sunshine Avenue, Gaoxin District, Xinyu City, Jiangxi Province, People's Republic of China ~72: Ling Li;Minhua Jiang;Taibin Huang;Tingting Zhu;Yinglin Xiao~

2025/03327 ~ Provisional ~54:SYSTEM AND METHOD FOR HYBRID GEOTHERMAL ENERGY, METHANE CAPTURE, AND CRYOGENIC FUEL PRODUCTION USING NANOSTRUCTURED AND AI-OPTIMIZED INFRASTRUCTURE ~71:Abdelmoumen Shad SERROUNE, SUITE 301 ROSEBANK N5 STURDEE AVENUE, GAUTENG, JOHANNESBURG, 2196, South Africa ~72: Abdelmoumen Shad SERROUNE~

2025/03332 ~ Complete ~54:PREPARATION METHOD FOR POSITIVE ELECTRODE MATERIAL FOR LITHIUM-SULFUR BATTERY AND LITHIUM-SULFUR BATTERY ~71:XINYU UNIVERSITY, No. 2666, Sunshine Avenue, Gaoxin District, Xinyu City, Jiangxi Province, People's Republic of China ~72: Ling Li;Minhua Jiang;Taibin Huang;Tingting Zhu;Yingxin Liu~

2025/03446 ~ Provisional ~54:NEURADECIMAL NEURAL NETWORK AND HARDWARE LOGIC SYSTEM FOR ARTIFICIAL INTELLIGENCE WORKLOADS ~71:7TRIPLE8 (Pty)Ltd, Stellar Bluestar, Unit B3C, Tokai Village, South Africa ~72: Cornelus Rex Schelling~ 33:ZA ~31:N/A ~32:19/04/2025

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2025/03356 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING OSTEOPOROSIS CAUSED BY BREAST CANCER TREATMENT AND/OR MENOPAUSE AND USE THEREOF ~71:Inner Mongolia Medical University, No. 5 Xinhua Street, Huimin District, Hohhot City, 010050, People's Republic of China ~72: HAO Zikai;LIU Chunhui~

2025/03371 ~ Complete ~54:COMPOUNDS AND THEIR USE ~71:King’s College London, Strand, LONDON WC2R 2LS, GREATER LONDON, UNITED KINGDOM, United Kingdom ~72: TANÇ, Muhammet;WITNEY, Timothy H.~ 33:GB ~31:2216665.6 ~32:09/11/2022

2025/03385 ~ Complete ~54:APPARATUS AND RELATED SYSTEMS AND METHODS FOR SELECTING TARGET PARTICLES FROM A FEEDSTREAM ~71:ECO METALS RECOVERY (HOLDING) LIMITED, Pine Lodge, Suite 4, 26 Pine Road, Saint Michael, BB11113, Barbados ~72: DEAN JOHN ACKERMAN~ 33:US ~31:63/377,702 ~32:29/09/2022

2025/03354 ~ Complete ~54:FLAVONOID-RICH BAMBOO WINE AND PREPARATION METHOD THEREFOR ~71:International Centre for Bamboo and Rattan, No. 8 Futong East Street, Chaoyang District, Beijing City, 100102, People's Republic of China ~72: TANG Feng;WANG Jin;XUN Hang;YAO Xi;YUAN Haihua~

2025/03387 ~ Complete ~54:SEMAGLUTIDE IN MEDICAL THERAPY ~71:Novo Nordisk A/S, Novo Allé, BAGSVAERD 2880, DENMARK, Denmark ~72: HANSEN, Thomas;KABISCH, Maria~ 33:EP ~31:17196254.1 ~32:12/10/2017

2025/03358 ~ Complete ~54:COMPACT EDGE-COMPACTING DEVICE WITH TRIPLE ANTI-COLLISION SYSTEM AND ASSOCIATED SUPPORTING EQUIPMENT ~71:CHINA RAILWAY THIRD DIVISION GROUP CO., LTD., No.269 Yingze Street, Yingze District, Taiyuan, People's Republic of China;CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD., No.1 Shuncheng East Street, Yuci District, Jinzhong City, People's Republic of China ~72: FENG, Li;FU, Chongyang;FU, Jing;LI, Yingjie;QIN, Chensheng;SHAN, Liankun;SHEN, Xuesong;TIAN, Binghu;WANG, Jin;WEI, Wenyuan;WU, Yongzhen;XIE, Xiaofeng;YANG, Xinyu;ZHANG, Xugang;ZHANG, Zefeng~

2025/03367 ~ Complete ~54:NITROGEN-FIXING PAENIBACILLUS MICROBES ~71:BIOCONSORTIA, INC., 279 Cousteau Place, Suite 100, Davis, United States of America ~72: ALFORD, Betsy;MEADOWS-SMITH, Marcus;WILLIAMS, Thomas~ 33:US ~31:63/386,145 ~32:05/12/2022

2025/03373 ~ Complete ~54:PCSK9 INHIBITORS AND METHODS OF USE THEREOF ~71:AstraZeneca AB, SÖDERTÄLJE SE-151 85, SWEDEN, Sweden ~72: ANTONSSON, Karl Thomas;BERGSTRÖM, Hans Fredrik;FROLOV, Andrey;JOHANSSON, Jens Patrik;LINDBERG, Jan Åke;O’MAHONY, Gavin Donal;PANKNIN, Olaf;TOMBERG, Anna;WEIS, Erik~ 33:US ~31:63/376,791 ~32:23/09/2022;33:US ~31:63/483,797 ~32:08/02/2023;33:US ~31:63/580,500 ~32:05/09/2023

2025/03379 ~ Complete ~54:CNP COMPOUNDS ~71:Novo Nordisk A/S, Novo Alle 1, BAGSVÆRD 2880, DENMARK, Denmark ~72: EWALD, Jakob;FRIEBOES, Kilian Waldemar Conde;KODAL, Anne Louise Bank;POULSEN, Christian;TORNØE, Christian Wenzel;WILBS, Jonas Alfred Karl~ 33:EP ~31:22205128.6 ~32:02/11/2022

2025/03447 ~ Provisional ~54:SYSTEM AND METHOD FOR REWARDING TELECOMMUNICATION ACTIVITIES WITH ADVERTISING REVENUE-BACKED LOYALTY POINTS ~71:Tshegofatso Anthony Mabala Papo, 23 mote street atteridgeville, South Africa ~72: Tshegofatso Papo~

2025/03326 ~ Provisional ~54:SOLID STATE BATTERY ~71:Natalia Hamilton, 28 Heuningboss street, South Africa;Peter Gordon Hamilton, 28 Heuningboss street, South Africa ~72: Peter Gordon Hamilton~

2025/03328 ~ Provisional ~54:A COMPOSITION, A SOLUTION AND A METHOD OF APPLICATION FOR IMMEDIATE RELIEF FROM HYPOXEMIA AND POTENTIAL ASPHYXIATION ~71:BSafe HOCl Pty, No 4 Roos Ave,, Heuningkloof,, Kleinmond, Western Cape, 7195, South Africa ~72: Jacobus Johannes Viljoen;Prof Pieter Fourie;Suha Rawhani~

2025/03336 ~ Complete ~54:PREPARATION METHOD OF LONG-ACTING PHOSPHATE FERTILIZER AND APPLICATION THEREOF ~71:Xinjiang Agricultural University, 311 Nongda East Road, Urumqi, Xinjiang, 830052, People's Republic of China ~72: Bing Chen;Huimin Ma;Jiandong Sheng;Junhui Cheng;Kai Zhang;Tayier Tuniyaz~ 33:CN ~31:202510313573.8 ~32:17/03/2025

2025/03340 ~ Complete ~54:AUTOMATED ANALGESIA PUMP AND CONTROL METHOD THEREOF ~71:THE FIRST AFFILIATED HOSPITAL OF SOOCHOW UNIVERSITY, No.899, Pinghai Road, Gusu District, Suzhou, Jiangsu, 215000, People's Republic of China ~72: BI, Guorong;HU, Jinghui;HUO, Wenwen;JI, Fuhai;KUAI, Lingyu;LEI, Yishan;LIU, Huayue;LIU, Linlin;MA, Zhengmin;MEGN, Xiaowen;PENG, Ke;SHAN, Xisheng;XU, Shangxian;YANG, Guowang;YANG, Yufan;ZHAO, Dan~ 33:CN ~31:202510263503.6 ~32:06/03/2025

2025/03347 ~ Complete ~54:ADAPTIVE LEARNING-BASED REMOTE FAULT REPAIR SYSTEM FOR INTERNET-OF-THINGS DEVICE ~71:Hangzhou Hikvision System Technology Co., Ltd., 19th Floor, Building B, Building 1, No. 555 Qianmo Road, Binjiang District, Hangzhou City, Zhejiang Province, 310051, People's Republic of China ~72: ZHANG, Liangqian~

2025/03352 ~ Complete ~54:GLOBAL BIO-SURVEILLANCE AND RESPONSE SYSTEM ~71:Meso Scale Technologies, LLC., 1601 Research Boulevard, ROCKVILLE 20850, MD, USA, United States of America ~72: CLINTON, Charles M.;SIGAL, George;VOCK, Michael;WOHLSTADTER, Jacob N.~ 33:US ~31:63/044,815 ~32:26/06/2020

2025/03345 ~ Complete ~54:CULTIVATION METHOD FOR PINELLIA TERNATA ~71:BIJIE MEDICAL COLLEGE, Vocational Education City, Jinhaihu New District, Bijie City, Guizhou Province, 551700, People's Republic of China;Bijie Traditional Chinese Medicine Research Institute, No. 8 Guihua Road, Qixingguan District, Bijie City, Guizhou Province, 551700, People's Republic of China ~72: CHEN, Xiaofang;LI, Kaiyang;LIU, Min;WANG, Jingzhou;XIONG, Houxi;XU, Hai;YE, Mao;ZHANG, Xiangyu;ZOU, Tao~

2025/03348 ~ Complete ~54:AUTOMATIC FACE RECOGNITION SYSTEM BASED ON MULTI-MODAL DATA FUSION AND LIVENESS DETECTION ~71:Hangzhou Hikvision System Technology Co., Ltd., 19th Floor, Building B, Building 1, No. 555 Qianmo Road, Binjiang District, Hangzhou City, Zhejiang Province, 310051, People's Republic of China ~72: ZHANG, Liangqian~

2025/03353 ~ Complete ~54:MODIFIED WASTE PLASTIC BITUMEN MIXTURE FOR ASPHALT AND PROCESS FOR PRODUCTION THEREOF ~71:CSIR, Scientia, Meiring Naude Road, Brummeria, Pretoria, 0184, South Africa ~72: GEORGE AKIM MTURI;JOHN LETWABA LESETJA;TLADI GIDEON MOFOKENG;VINCENT OMONDI OJIJO~ 33:ZA ~31:2024/00708 ~32:22/01/2024

2025/03357 ~ Complete ~54:SYSTEM FOR AI-ASSISTED IDENTIFICATION AND SYNTHESIS OF NOVEL DRUG CANDIDATES ~71:ABIDA KHAN, Center For Health Research, Northern Border University, Arar 73213,

Saudi Arabia;AHMED MOHAMMED ALJAMEELI, Department of Pharmacy Practice, College of Pharmacy, University of Hafr Al Batin, Saudi Arabia;MOHD IMRAN, Center For Health Research, Northern Border University, Arar 73213, Saudi Arabia;REFKA GHODHBANI, Center for Scientific Research and Entrepreneurship, Northern Border University, 73213, Arar, Saudi Arabia;SALEH OLAYAN ALASWAD, Nuclear Technologies Institute (NTI), King Abdulaziz City for Science and Technology (KACST), P. O. Box 6086, Riyadh 11442, Saudi Arabia;TAOUFIK SAIDANI, Center for Scientific Research and Entrepreneurship, Northern Border University, 73213, Arar, Saudi Arabia;YAHIA SAID, Center for Scientific Research and Entrepreneurship, Northern Border University, 73213, Arar, Saudi Arabia;ZIA UR REHMAN, Health Research Center, Jazan University, P O Box 114, Jazan 45142, Saudi Arabia ~72: ABIDA KHAN;AHMED MOHAMMED ALJAMEELI;MOHD IMRAN;REFKA GHODHBANI;SALEH OLAYAN ALASWAD;TAOUFIK SAIDANI;YAHIA SAID;ZIA UR REHMAN~

2025/03362 ~ Complete ~54:DAPAGLIFLOZIN/METFORMIN SUSTAINED RELEASE TABLET, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF ~71:SHANDONG INOMIC INSTITUTE OF PHARMACEUTICAL RESEARCH CO., LTD, Life Science Center, No.1 Factory, 10th Industrial Park, Lianhua Road, High-tech Zone Jining, Shandong, 272000, People's Republic of China ~72: DENG, Changjiang;LI, Mingli;WANG, Li~ 33:CN ~31:202310547897.9 ~32:15/05/2023

2025/03369 ~ Complete ~54:FLUORESCENT ANTIBODY COMPOSITION FOR PREDICTING SLE ACTIVITY LEVEL, KIT AND USE ~71:CENTRAL HOSPITAL OF MINHANG DISTRICT, SHANGHAI, NO.170 XINSONG ROAD, XINZHUANG TOWN MINHANG DISTRICT, SHANGHAI 200100, CHINA, People's Republic of China ~72: BAO, Yufang;DONG, Qiongzhu;LAI, Nannan;LI, Quanfu;MENG, Zhefeng;NI, Meiping;RUAN, Danping;ZHANG, Lumin~ 33:CN ~31:202411353241.4 ~32:26/09/2024

2025/03376 ~ Complete ~54:METHOD AND DEVICE FOR DISCONTINUOUS TRANSMISSION IN AN OBJECT-BASED AUDIO CODEC ~71:VoiceAge Corporation, 750 Lucerne Road, Suite 250, TOWN OF MOUNT ROYAL H3R 2H6, QUÉBEC, CANADA, Canada ~72: EKSLER, Vaclav~ 33:US ~31:63/426,535 ~32:18/11/2022

2025/03381 ~ Complete ~54:ROTARY DEVICE FOR TREATING MOLTEN METAL ~71:Foseco International Limited, 165 Fleet Street, LONDON EC4A 2AE, UNITED KINGDOM, United Kingdom ~72: SCHMEISSER, Dirk;SIMON, Ronny~ 33:EP ~31:22197556.8 ~32:23/09/2022;33:EP ~31:23177819.2 ~32:06/06/2023

2025/03383 ~ Complete ~54:SERUM FREE MEDIUM ~71:ARES TRADING SA, Rue de l'Ouriette 151, Zone Industrielle de l'Ouriettaz, 1170, Aubonne, Switzerland ~72: FRANCESCO NEVELLI;VIRGINIA VIGNA~ 33:EP ~31:22197851.3 ~32:26/09/2022

2025/03335 ~ Complete ~54:PRELIMINARY SCREENING DEVICE FOR ADOLESCENT SCOLIOSIS BASED ON PLANTAR PRESSURE DETECTION ~71:LINYI UNIVERSITY, West of the north section of Industrial Avenue, Lanshan District, Linyi City, Shandong Province, People's Republic of China ~72: HUANG Qian;WANG Yanqun;ZHAO Zhouyang~

2025/03349 ~ Complete ~54:IN-SITU SYNTHESIZED OF B/GA/IN/H5 MOLECULAR SIEVE 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: YANG Zhen;YIN Jia'nan~

2025/03350 ~ Complete ~54:SEMAGLUTIDE IN MEDICAL THERAPY ~71:Novo Nordisk A/S, Novo Allé, BAGSVAERD 2880, DENMARK, Denmark ~72: HANSEN, Thomas;KABISCH, Maria~ 33:EP ~31:17196254.1 ~32:12/10/2017

2025/03355 ~ Complete ~54:FUNGICIDAL COMPOUND FORMULATION CONTAINING TEA TREE OIL, PREPARATION METHOD AND APPLICATIONS THEREOF ~71:International Centre for Bamboo and Rattan,

No. 8 Futong East Street, Chaoyang District, Beijing City, 100102, People's Republic of China ~72: Tang Feng;Wang Jin;Xun Hang;Yao Xi;Yuan Haihua~

2025/03363 ~ Complete ~54:REDUCTION OR PREVENTION OF A MALARIA PARASITE OR DENGUE VIRUS TRANSMISSION WITH 1 -METHYL-9H-PYRIDO[3,4-B]INDOLE ~71:GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GSK Medicines Research Centre, Gunnels Wood Road, United Kingdom;THE JOHNS HOPKINS UNIVERSITY, 3400 North Charles Street, BALTIMORE, Maryland, United States of America ~72: HUANG, Wei;JACOBS-LORENA, Marcelo;RODRIGUES, Janneth Fatima Indira~ 33:EP ~31:22383077.9 ~32:08/11/2022;33:EP ~31:23382787.2 ~32:28/07/2023

2025/03372 ~ Complete ~54:FINGERPRINT CAPTURE DEVICES, SYSTEMS AND METHODS ~71:Synolo Biometrics, Inc., 3525 Del Mar Heights Road, Suite 463, SAN DIEGO 92130, CA, USA, United States of America ~72: KALISKY, Tom;SAGGESE, Steven J.;SCOTT, Greg B.~ 33:US ~31:63/410,561 ~32:27/09/2022

2025/03338 ~ Complete ~54:CARBON FIBER STEEL-LINED FULLY-WRAPPED HYDROGEN STORAGE CYLINDER ~71:Sinoma Science & Technology(chengdu)Co.,Ltd, No.136 Pingtang East Road, Puxing Street (New Material Industry Functional Zone), Xinjin District, Chengdu, Sichuan, 611434, People's Republic of China ~72: FENG Cunjiang;GUO Yongzhi;HU Lei;HUANG Min;LI Ming;LIU Bo;QI Na;YANG Minggao~

2025/03342 ~ Complete ~54:GAS LEAKAGE MONITORING SYSTEM BASED ON INTERNET OF THINGS ~71:Shandong Huayu University of Technology, No. 968, University East Road, Dezhou, Shandong, People's Republic of China ~72: Feng Li;Hongmei Wei;Rongrong Zhao;Shuai Zhao;Zhigang Wei~

2025/03344 ~ Complete ~54:DETECTIVE ELEMENT OF NEURONAL PROTEIN AGGREGATE AND APPLICATION THEREOF ~71:The Chinese University of Hong Kong, Shenzhen, 2001 Longxiang Avenue, Longcheng Street, Longgang District, Shenzhen, Guangdong Province, People's Republic of China ~72: JIANG Cheng;LI Chenzhong;ZHOU Yuhang~

2025/03365 ~ Complete ~54:ACCOMMODATION SHARING DEVICE USING BLOCKCHAIN, AND OPERATION METHOD THEREFOR ~71:CEONGUK EUI SEOLGEDO LC., 15F, 271 Gudeok-ro Seo-gu, Republic of Korea ~72: KIM, Min Jae~ 33:KR ~31:10-2022-0122410 ~32:27/09/2022;33:KR ~31:10-2022-0122423 ~32:27/09/2022;33:KR ~31:10-2022-0122452 ~32:27/09/2022;33:KR ~31:10-2022-0122458 ~32:27/09/2022;33:KR ~31:10-2022-0122464 ~32:27/09/2022;33:KR ~31:10-2022-0122670 ~32:27/09/2022;33:KR ~31:10-2023-0131051 ~32:27/09/2023

2025/03370 ~ Complete ~54:ZYGOMATIC DENTAL IMPLANT ~71:Alex Fibishenko, L1, 265 Burwood Highway, Burwood East Victoria, 3151, Australia ~72: Alex Fibishenko~ 33:AU ~31:2022902890 ~32:05/10/2022

2025/03374 ~ Complete ~54:IMPREGNATION LIQUID, METHOD OF TREATMENT WITH SUCH AN IMPREGNATION LIQUID, AND TREATED PART OBTAINED ~71:Hydromecanique et Frottement, 69 Avenue Benoît Fourneyron, ANDREZIEUX BOUTHEON 42160, FRANCE, France ~72: DESBOUCHE-JANNY, Marie-Noëlle;HERRMANN, Luc~ 33:FR ~31:2211562 ~32:07/11/2022

2025/03377 ~ Complete ~54:SEALING JAWS AND WATER-SOLUBLE UNIT DOSE ARTICLE COMPRISING A FIBROUS NON-WOVEN SHEET ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: AHMED, Ahmed Ibrahim Sayed;BEDER, Fatema Amen Abdelhalem Mohamed;CAUFIELD, William Alexander;LANG, Helen Amy;MAHDALLY, Yara Tarek Mohamed;TANTAWY, Hossam Hassan~ 33:EP ~31:22204948.8 ~32:01/11/2022

2025/03378 ~ Complete ~54:SEALING JAWS AND WATER-SOLUBLE UNIT DOSE ARTICLE COMPRISING A FIBROUS NON-WOVEN SHEET ~71:The Procter & Gamble Company, One Procter & Gamble Plaza,

CINCINNATI 45202, OH, USA, United States of America ~72: AHMED, Ahmed Ibrahim Sayed;BEDER, Fatema Amen Abdelhalem Mohamed;CAUFIELD, William Alexander;LANG, Helen Amy;MAHDALLY, Yara Tarek Mohamed;TANTAWY, Hossam Hassan~ 33:EP ~31:22204947.0 ~32:01/11/2022

2025/03384 ~ Complete ~54:MAIZE EVENT DP-051291-2 AND METHODS FOR DETECTION THEREOF ~71:PIONEER HI-BRED INTERNATIONAL, INC., 7100 NW 62nd Avenue P.O. Box 1014, Johnston, Iowa, 50131-1014, United States of America ~72: ALBERT L LU;BIN CONG;GARY A SANDAHL;HEATHER MARIE CHRISTENSEN;KRISTEN DENISE RINEHART KREBS;TIMOTHY MABRY;VIRGINIA CRANE~ 33:US ~31:63/384,613 ~32:22/11/2022

2025/03386 ~ Complete ~54:COMPOSITIONS AND METHODS COMPRISING PROGRAMMABLE SNRNAS FOR RNA EDITING ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, United States of America ~72: ADAMS, Rachel A.;BATRA, Ranjan;CARRENO, Alberto;LARDELLI MARKMILLER, Rea~ 33:US ~31:63/379,981 ~32:18/10/2022

2025/03388 ~ Complete ~54:SEMAGLUTIDE IN MEDICAL THERAPY ~71:Novo Nordisk A/S, Novo Allé, BAGSVAERD 2880, DENMARK, Denmark ~72: HANSEN, Thomas;KABISCH, Maria~ 33:EP ~31:17196254.1 ~32:12/10/2017

2025/03330 ~ Provisional ~54:PORTABLE SMOKING CUBICLE WITH NEGATIVE PRESSURE, MULTI-STAGE FILTRATION AND UV-C STERILIZATION ~71:Mariske Robbertze, 1 Grangehurst Crescent, South Africa ~72: Mariske Robbertze~

2025/03337 ~ Complete ~54:APPLICATION METHOD FOR BROUSSONETIA PAPYRIFERA PELLETED TMR DIET FORMULA IN FATTENING SHEEP PRODUCTION ~71:Shihezi University, No.221 Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832003, People's Republic of China ~72: Cuixia HAN;Fanfan ZHANG;Guohua ZHANG;Guoqing HOU;Hui ZHANG;Jing ZHOU;Jingjing WU;Jingqiang HAO;Jizhu GUO;Kang SONG;Qiang YANG;Qin DONG;Yao XU;Yingchao SUN~

2025/03339 ~ Complete ~54:A FIRE MONITORING METHOD IN HIGHWAY TUNNELS ~71:Chengdu Vocational & Technical College of Industry, No. 818 Da'an Road, Zhengxing Street Tianfu New Area, Chengdu City, Sichuan Province, People's Republic of China ~72: Feng Yan;Guan Xu;Huang Rui;Li Bing;Liu Hongyuan;Liu Xuemin;Lu Xiaoyu;Wen Linan;Xiao Dong;Yan Silu;Zha Yan~ 33:CN ~31:2025103269874 ~32:19/03/2025

2025/03346 ~ Complete ~54:SN-GA/AT0.2H5 CATALYST, 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: YANG Zhen;YIN Jia'nan~

2025/03351 ~ Complete ~54:ANTI-INTRUSION CYLINDER LOCK ~71:CISA S.p.A., Via Guglielmo Oberdan, 42, FAENZA 48018, ITALY, Italy ~72: FABBRI, Matteo~ 33:EP ~31:24171859.2 ~32:23/04/2024

2025/03364 ~ Complete ~54:IMMUNOGENIC COMPOSITIONS COMPRISING CONJUGATED CAPSULAR SACCHARIDE ANTIGENS AND USES THEREOF ~71:PFIZER INC., 66 Hudson Boulevard East, New York, United States of America ~72: ALEX, Catherine;ANDERSON, Annaliesa Sybil;BHETUWAL, Bishwa Raj;CHEN, Zecheng;DUTTA, Kaushik;GALLAGHER, Caitlyn;GU, Jianxin;KANEVSKY, Isis;KIM, Jin-Hwan;MORAN, Justin Keith;SINGH, Suddham;SURENDRAN, Naveen;VARTAK, Abhishek Ravindra;YANG, YuYing~ 33:US ~31:63/384,626 ~32:22/11/2022;33:US ~31:63/593,565 ~32:27/10/2023

2025/03366 ~ Complete ~54:IONIZABLE LIPIDS AND LIPID NANOPARTICLES CONTAINING THEREOF ~71:CERTEST BIOTEC, S.L., Pol. Industrial Río Gállego II Calle J, Nº1, Spain ~72: DE MIGUEL SAMANIEGO, Diego;GIMÉNEZ WARREN, Javier;HEREDERO GARCÍA, Juan;MARTÍNEZ OLIVÁN, Juan Enrique;PEÑA

MORENO, Álvaro;TORO CÓRDOVA, Alfonso~ 33:EP ~31:22383119.9 ~32:21/11/2022;33:EP ~31:23382067.9 ~32:27/01/2023;33:EP ~31:23382401.0 ~32:28/04/2023

2025/03368 ~ Complete ~54:GENETICALLY MODIFIED HOST CELLS PRODUCING L-SERINE ~71:CYSBIO APS, Agern Alle 1, Denmark ~72: CHANDRASEKARAN, Priyadharshini;ESCHER, Belinda;MUNDHADA, Hemanshu;NIELSEN, Alex Toftgaard;ORTEGA, Esther, Prosper;POPINCEANU, Adina-Roxana~ 33:DK ~31:PA202270506 ~32:20/10/2022

2025/03375 ~ Complete ~54:MICROBIOCIDAL PYRAZOLE DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: EDMUNDS, Andrew;EL QACEMI, Myriem;MAHAJAN, Atul;QUETGLAS, Vincent;SCARBOROUGH, Christopher Charles~ 33:IN ~31:202211063980 ~32:09/11/2022;33:EP ~31:22215344.7 ~32:21/12/2022;33:EP ~31:23192672.6 ~32:22/08/2023;33:EP ~31:23193406.8 ~32:25/08/2023

2025/03380 ~ Complete ~54:CARTON FOR CONTAINERS ~71:Graphic Packaging International, LLC, Law Department - 9th Floor, 1500 Riveredge Parkway, Suite 100, ATLANTA 30328, GA, USA, United States of America ~72: HOLLEY, Jr., John Murdick~ 33:US ~31:63/422,603 ~32:04/11/2022

2025/03382 ~ Complete ~54:CAN LID WITH RECLOSABLE CLOSURE DEVICE ~71:METX TECHNOLOGIES LLC, 8 The Green, Ste R, Dover, Kent County, Delaware, 19901, United States of America ~72: CHRISTIAN SCHANDL~ 33:CH ~31:CH000927/2023 ~32:30/08/2023

2025/03329 ~ Provisional ~54:DIGITAL PAYMENT METHOD WITH BUILT IN ACKNOWLEDGEMENT OF DEBT ATTACHED TO INVOICE ~71:Gideon Van der Westhuisen, 435 Millers Mile street, Lynnwood, South Africa;Nicolas Joanis Meletakos, 307 Lynnwood gardens, 11 The Ring street, Lynnwood, South Africa ~72: Gideon Van der Westhuisen;Nicolas Joanis Meletakos~

2025/03341 ~ Complete ~54:FE-MODIFIED PT/ZRO2 CATALYST AND PREPARATION METHOD THEREOF AND APPLICATION IN THE CATALYTIC DEGRADATION OF TOLUENE THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: REN Haibo;SUN Hua;ZHANG Yanbing~

2025/03343 ~ Complete ~54:BLOCKCHAIN-BASED SECURITY AUDIT METHOD AND SYSTEM ~71:NINGBO UNIVERSITY OF FINANCE AND ECONOMICS, 899 Xueyuan Road, Haishu District, Ningbo City, People's Republic of China ~72: JI, Xiang fei;SAFI ADNAN;WANG, Baoyin;XU, Jiaojie;YU, Jiuhong;ZHENG, Liya~

. - APPLIED ON 2025/04/23 -

2025/03389 ~ Provisional ~54:SELECTIVE MEDIA FOR SPOILAGE YEAST DETECTION ~71:Warshay Investments Proprietary Limited t/a KWV, PO Box 528, Paarl 7624, Western Cape, SOUTH AFRICA, South Africa ~72: NADASEN, Letitia;WILLARD, Kyle~

2025/03394 ~ Provisional ~54:PROOF-OF-AGRICULTURAL-WORK REWARD PROTOCOL ~71:agriiLabs Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03443 ~ Complete ~54:HYDROGEN PRODUCTION AND SULFUR-CARBON SEQUESTRATION ~71:KOLOMA, INC., 1900 GRANT STREET, SUITE 1250, DENVER, COLORADO, CO, 80203, United States of America ~72: DARRAH, THOMAS;HARRINGTON, JACOB;JOHNSON, PETER;WHYTE, COLIN~ 33:US ~31:63/330,216 ~32:12/04/2022;33:US ~31:63/330,220 ~32:12/04/2022;33:US ~31:63/330,223 ~32:12/04/2022

2025/03433 ~ Complete ~54:USE OF ANTI-CLDN4-ANTI-CD137 BISPECIFIC ANTIBODY COMBINED WITH PD-1 SIGNAL INHIBITOR FOR CANCER TREATMENT ~71:ASTELLAS PHARMA INC., 5-1, Nihonbashi-Honcho 2-chome, Chuo-ku, Tokyo, 1038411, Japan ~72: AYA KIKUCHI;KEITA HIROUCHI;MASAHITO SATO~ 33:JP ~31:2022-167362 ~32:19/10/2022

2025/03399 ~ Complete ~54:LANDSCAPE LAMP FOR SCENIC GARDENS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: CHEN Ruoxi;GAN Taoran;LI Mingze;MA Yihan;WANG Yan;ZHANG Wenjun;ZHAO Sai~

2025/03408 ~ Complete ~54:A DAPTIVE LEARNING SURGICAL ROBOT INTELLIGENT CONTROL SYSTEM ~71:Guangxi Minzu University, 188 Daxue East Road, Nanning City, Guangxi Zhuang Autonomous Region, 530006, People's Republic of China;Guangxi University, No. 100, Daxue East Road, Nanning City, Guangxi Zhuang Autonomous Region, 530004, People's Republic of China;Hunan University, No. 2 Lushan South Road, Yuelu District, Changsha City, Hunan Province, 410082, People's Republic of China ~72: DING Can;LIANG Lianhui;LIU Min;LUO Jianqiao;MIAO Zhiqiang;WU Xinzhang;XU Chenghao;ZHANG Yiyi;ZHANG Zhe~

2025/03417 ~ Complete ~54:DEVICES, METHODS, APPARATUSES, AND COMPUTER READABLE MEDIA FOR NON-TERRESTRIAL NETWORKS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HIETALAHTI, Hannu, Petri;LAURIDSEN, Mads;WIGARD, Jeroen;XU, Xiang;YUAN, Ping~

2025/03419 ~ Complete ~54:APERIODIC REFERENCE SIGNAL BASED SECONDARY CELL ACTIVATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DALSGAARD, Lars;DU, Lei~

2025/03431 ~ Complete ~54:A CRITICAL CARE DRAINAGE DEVICE AND A DRAINAGE SYSTEM ~71:Shaanxi Energy Institute, No. 29, Middle Section of Wenlin Road, Weicheng District, Xianyang City, Shaanxi Province, 712000, People's Republic of China ~72: Anqi Wu;Li Zhang;Wei Ren~

2025/03435 ~ Complete ~54:DC-CHARGING SYSTEM ~71:EPIROC ROCK DRILLS AKTIEBOLAG, 701 91 Örebro, Sweden ~72: JIAN ZHAO;TRENT SEARS~

2025/03390 ~ Provisional ~54:SYSTEM AND METHOD FOR LIFE OPTIMISATION THROUGH A BEREAVEMENT INSURANCE-LINKED AI AND BLOCKCHAIN PLATFORM ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: KABELO DIALE~

2025/03391 ~ Provisional ~54:A COMPOSITION, A SOLUTION, AND A METHOD OF APPLICATION FOR THE REDUCTION OF PATHOGEN CONTAMINATION, INFECTION, AND HEAT STRESS IN POULTRY THROUGH HYPOCHLOROUS ACID (HOCL) AND THE CHLORIDE SHIFT MECHANISM ~71:BSafe HOCl Pty, No 4 Roos Ave,, Heuningkloof,, Kleinmond, Western Cape, 7195, South Africa ~72: Jacobus Johannes Viljoen~

2025/03393 ~ Provisional ~54:BUILT-IN BACKPACK PROTECTIVE COVER ~71:eesaa muhummad, 32 alegria 4 main avenue killarney, South Africa ~72: eesaa muhummad~

2025/03409 ~ Complete ~54:PREMIXED GROUTING MATERIAL FOR TUNNEL SECONDARY LINING CONCRETE AND FLOWING-TYPE PRODUCTION METHOD THEREOF ~71:CHINA RAILWAY 12 BUREAU GROUP CO., LTD., No. 130 Xikuang Street, Taiyuan City, People's Republic of China;THE 4TH ENGINEERING CO., LTD. OF CHINA RAILWAY 12TH BUREAU GROUP, No. 336 Eurasia 1st Road, Chanba Ecological Area, Xi'an City, People's Republic of China ~72: BAO, Yeming;CUI, Yangang;JIA, Youxiu;LI, Guichao;LI, Jianping;MA, Zhanggen;SHEN, Hairui;WANG, Erbing;WU, Yansheng~ 33:CN ~31:2024109326077 ~32:12/07/2024

2025/03412 ~ Complete ~54:GLYCOSYNTHASE VARIANTS FOR ANTIBODY-DRUG CONJUGATE ENGINEERING ~71:OBI PHARMA, INC., 6F., No. 508, Sec. 7, Zhongxiao E. Rd., Nangang Dist., Taiwan, Province of China ~72: CHOU, Jun-Hong;FUNG, Ka-Shu;HSIA, Chi-Sheng;HSIEH, Yin-Cheng;HUANG, Chen-Ping;HUANG, Teng-Yi;LAI, Ming-Tain~ 33:US ~31:63/382,951 ~32:09/11/2022

2025/03414 ~ Complete ~54:BEVERAGE CAN WITH A CAP ~71:KNAPIK, Sebastian, Pulaskiego 70c/20, Poland;SUPADY, Mariusz, Chabrowa 3, Poland ~72: KNAPIK, Sebastian;SUPADY, Mariusz~ 33:PL ~31:W.131007 ~32:26/09/2022

2025/03432 ~ Complete ~54:CONTROLLED RELEASE PHARMACEUTICAL COMPOSITION ~71:DAEWOONG PHARMACEUTICAL CO., LTD., 35-14, Jeyakgongdan 4-gil, Hyangnam-eup, Hwaseong-si, Gyeonggi-do, 18623, Republic of Korea ~72: DONGYOON KIM;GWAN YOUNG KIM;GYOUNG WON KIM;JONGWON CHOI;MIN YOUNG PARK;ON HWANG;SANG EUN CHO;SEONJU KWON;SONGYI HA~ 33:KR ~31:10-2022-0150695 ~32:11/11/2022

2025/03436 ~ Complete ~54:HOME CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: REYES, Earvin~ 33:US ~31:63/420,750 ~32:31/10/2022

2025/03440 ~ Complete ~54:MULTISPECIFIC MOLECULES FOR CLEARANCE OF IMMUNOGLOBULINS IN THE TREATMENT OF AUTOANTIBODY-INDUCED DISEASES ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: DEVANABOYINA, Venkata Siva Charan;LI, Peng~ 33:US ~31:63/419,549 ~32:26/10/2022

2025/03401 ~ Complete ~54:METHOD FOR AUTOMATIC CALIBRATION OF HYDROLOGICAL MODEL PARAMETERS ~71:CHINA INSTITUTE OF WATER RESOURCES AND HYDROPOWER RESEARCH, 20 Chegongzhuang West Road, Haidian District, People's Republic of China;GENERAL INSTITUTE OF WATER RESOURCES AND HYDROPOWER PLANNING AND DESIGN, MINISTRY OF WATER RESOURCES, Building 1, Yard 4, Liupu Kang North Street, Xicheng District, People's Republic of China ~72: GUO, Xuning;JIANG, Chenhui;LI, Wei;LIU, Kai;LIU, Weifeng;SHI, Wenlong;WANG, Huijie;WANG, Jianwen;WANG, Sinan;XING, Xigang;ZHAO, Liping;ZHENG, Chengxin;ZOU, Xinyi~

2025/03403 ~ Complete ~54:CANNABIS ROOT COMPLEXES: METHOD OF PREPARATION AND USE ~71:THE AZWI PHEROUSA UVHONA FAMILY TRUST, 16B Geekie Rd, Merrivale, Howick 3291, SOUTH AFRICA, South Africa ~72: OFHANI, Makhema~ 33:ZA ~31:2024/04054 ~32:24/05/2024

2025/03405 ~ Complete ~54:GYRATORY CRUSHER WITH SELF-ALIGNING MAINSHAFT FEATURES AND METHOD OF ASSEMBLY THEREOF ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: HARRIS, Stephen Richard;MALONE, William George~ 33:US ~31:63/076,056 ~32:09/09/2020

2025/03415 ~ Complete ~54:DEVICES, METHODS, APPARATUSES AND COMPUTER READABLE MEDIUM FOR COMMUNICATIONS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: CHA, Hyun-Su;KEATING, Ryan;LIU, Yong~

2025/03424 ~ Complete ~54:DYNAMIC DMRS CONFIGURATION FOR UPLINK TRANSMISSION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ENESCU, Mihai;HAKOLA, Sami-Jukka;KARJALAINEN, Juha, Pekka;KOSKELA, Timo~ 33:GB ~31:2214402.6 ~32:30/09/2022

2025/03428 ~ Complete ~54:TRAINING DATA COLLECTION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: BARBU, Oana-Elena;KOVÁCS, István, Zsolt~ 33:GB ~31:2214157.6 ~32:28/09/2022

2025/03438 ~ Complete ~54:ADAPTIVE BILATERAL MATCHING FOR DECODER SIDE AFFINE MOTION VECTOR REFINEMENT ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: HUANG, Han;KARCZEWICZ, Marta;SEREGIN, Vadim;ZHANG, Yan~ 33:US ~31:63/384,979 ~32:25/11/2022;33:US ~31:18/507,544 ~32:13/11/2023

2025/03392 ~ Provisional ~54:UNDERWATER CLIP FOR SECURING SPIRAL SWIMMING POOL CLEANER PIPES TO THE POOL WATERLINE TILES ~71:Raymond Christopher Mclellan, 40 Redwing Crescent, Yellowwood Park, South Africa ~72: Raymond Christopher Mclellan~

2025/03396 ~ Provisional ~54:AUTONOMOUS SYSTEM FOR VERIFYING AGRICULTURAL TASK COMPLETION ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03402 ~ Complete ~54:METHOD AND DEVICE FOR EVALUATING SEISMIC STABILITY OF SLOPE PROTECTION SYSTEMS ON BOTH SIDES OF RIVER ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: LIU, Caiyun;LIU, Fei;LONG, Zhe;MIAO, Yueming;WANG, Yifan;YUAN, Yanzhao;ZHAI, Juyun;ZHANG, Hao;ZHANG, Shuo~

2025/03404 ~ Complete ~54:A STRUCTURE-FUNCTION IMPROVEMENT METHOD OF LOW-EFFICIENCY TREE PLANTATION BASED ON DATA ANALYSIS ~71:Research Center for Eco-Environmental Sciences Chinese Academy of Sciences, No. 18 Shuangqing Road, Haidian District, Beijing City, 100085, People's Republic of China ~72: Wei Wei~

2025/03407 ~ Complete ~54:METHODS AND PRODUCTS FOR PRODUCT TRACING AND AUTHENTICATION USING CONDUCTIVE INKS ~71:ALTRIA CLIENT SERVICES LLC, 6601 West Broad Street, Richmond, Virginia, 23230, United States of America ~72: EDMOND J CADIEUX;KEVIN HARRUP~ 33:US ~31:62/076,118 ~32:06/11/2014

2025/03413 ~ Complete ~54:COMMUNICATION METHODS AND SYSTEMS ~71:University of the Witwatersrand, Johannesburg, 1 Jan Smuts Avenue, Braamfontein, 2001, SOUTH AFRICA, South Africa ~72: FORBES, Andrew;SINGH, Keshaan~ 33:ZA ~31:2022/10546 ~32:23/09/2022

2025/03418 ~ Complete ~54:DYNAMIC CHANGE OF GAP PRIORITY ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: CAUDURO DIAS DE PAIVA, Rafael;DALSGAARD, Lars;SABOURI-SICHANI, Faranaz;SANCHEZ, Laura Luque;SELVAGANAPATHY, Srinivasan~ 33:IN ~31:202241055935 ~32:29/09/2022

2025/03421 ~ Complete ~54:APPARATUS, METHOD, AND COMPUTER PROGRAM ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DEGHEL, Matha;LADDU, Keeth, Saliya, Jayasinghe~ 33:GB ~31:2214303.6 ~32:29/09/2022

2025/03423 ~ Complete ~54:MONITORING OF PDCCH CANDIDATES OVERLAPPING WITH LTE CRS IN ENHANCED DYNAMIC SPECTRUM SHARING CONFIGURATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HATHIRAMANI, Navin;RANTA-AHO, Karri, Markus;TIIROLA, Esa, Tapani~ 33:US ~31:63/377,989 ~32:30/09/2022

2025/03426 ~ Complete ~54:JOINT CODEBOOK AND NON-CODEBOOK BASED PHYSICAL UPLINK SHARED CHANNEL TRANSMISSION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND,

Finland ~72: HAKOLA, Sami-Jukka;KARJALAINEN, Juha, Pekka;KOSKELA, Timo;LADDU, Keeth, Saliya, Jayasinghe~ 33:US ~31:63/411,911 ~32:30/09/2022

2025/03439 ~ Complete ~54:METHOD AND APPARATUS FOR RECYCLING COMPOSITE MILL LINERS ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: LARSEN, Peter Sommer;PERUMAL, Shanmugam;RAGHUNATHAN, Rajeesh;VENDELBO, Søren Bastholm~ 33:IN ~31:202241061439 ~32:28/10/2022

2025/03410 ~ Complete ~54:SOLIDIFICATION TREATMENT DEVICE FOR FLY ASH ~71:THE SECOND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION THIRD ENGINEERING BUREAU, 17th Floor, Tongda Plaza, No. 111 Wenhua Avenue, Jiangxia District, Wuhan City, People's Republic of China ~72: CAO, Xiaofei;CHENG, Yuwen;DAI, Lei;LI, Di;LIU, Bingsheng;LIU, Gaojie;LU, Yang;TANG, Bibo;XIA, Anyuan;ZHANG, Liangpeng;ZHANG, Yongqing;ZHAO, Yang~ 33:CN ~31:202410717287.3 ~32:04/06/2024

2025/03411 ~ Complete ~54:ANTI-CD28 ANTIBODIES ~71:SANOFI, 46 Avenue de la Grande, France ~72: DESRUMEAUX, Klervi;LAHOUTE, Charlotte;VIGNE, Emmanuelle~ 33:EP ~31:22315222.4 ~32:30/09/2022

2025/03420 ~ Complete ~54:INTER CELL BEAM MANAGEMENT MODE AND LOWER LAYER MOBILITY ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AWADA, Ahmad;GÜRSU, Halit Murat;KARABULUT, Umur;KARIMIDEHKORDI, Ali;KOSKELA, Timo;SPAPIS, Panagiotis~ 33:GB ~31:2214176.6 ~32:28/09/2022

2025/03422 ~ Complete ~54:METHOD AND APPARATUS RELATED TO DUAL CONNECTIVITY MEASUREMENTS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AHMED, Ayaz;ALI, Amaanat;AWADA, Ahmad;GÜRSU, Halit Murat;KARABULUT, Umur;KHATIBI, Sina;SELVAGANAPATHY, Srinivasan;SPAPIS, Panagiotis;VEIJALAINEN, Teemu, Mikael~ 33:IN ~31:202241055896 ~32:29/09/2022

2025/03427 ~ Complete ~54:APPARATUS, METHOD, AND COMPUTER PROGRAM ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: BALASUBRAMANIAM, Sankaran;SINGH, Shubhranshu;THIEBAUT, Laurent~ 33:IN ~31:202211056340 ~32:30/09/2022

2025/03430 ~ Complete ~54:IMIDAZOPYRIDINE DERIVATIVES WITH BICYCLIC STRUCTURE ~71:DAIICHI SANKYO COMPANY, LIMITED, 3-5-1, NIHONBASHI HONCHO, CHUO-KU, TOKYO 1038426, JAPAN, Japan;PUBLIC UNIVERSITY CORPORATION YOKOHAMA CITY UNIVERSITY, 22-2, SETO, KANAZAWA-KU, YOKOHAMA-SHI, KANAGAWA 2360027, JAPAN, Japan ~72: AKIU, Mayuko;KADOSHIMA, Kumiko;KAWAMOTO, Yoshito;MINAGAWA, Kosuke;MOTOYAMA, Keisuke;NAMIKI, Hidenori;ONO, Shigeo;TAKEDA, Yasuyuki;TSUNEMATSU, Hiroki;YAMASHITA, Akio;YOSHIHAMA, Yohei;YOSHIKAWA, Kenji;YOSHIOKA, Shun~ 33:JP ~31:2022-159626 ~32:03/10/2022;33:JP ~31:2023-069305 ~32:20/04/2023

2025/03434 ~ Complete ~54:A PERSONAL CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: TINGYAN MI;XUELAN GU~ 33:CN ~31:PCT/CN2022/131264 ~32:11/11/2022;33:EP ~31:22212384.6 ~32:09/12/2022

2025/03395 ~ Provisional ~54:A MODULAR CONSENSUS VALIDATION ENGINE FOR ADAPTIVE DATA FINALISATION IN DECENTRALISED PROTOCOLS ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, South Africa ~72: Terry Igharoro~

2025/03448 ~ Provisional ~54:NOVEL PROCESS FOR THE MANUFACTURE OF FERRIC CHLORIDE ~71:Kuvern Naidoo, 8 La Gratitude Circle, South Africa ~72: Kuvern Naidoo~ 33:ZA ~31:1 ~32:21/04/2025

2025/03397 ~ Provisional ~54:FEDERATED ECOSYSTEM GOVERNANCE SYSTEM FOR DIGITAL COOPERATIVES WITH PROTOCOL-ENFORCED TOKENIZATION CONTROL ~71:AGRIILABS Pty Ltd, Ground Floor, Mac Building, Maxwell Office Park, United Kingdom ~72: Terry Igharoro~

2025/03398 ~ Complete ~54:METHOD OF DETECTING URANIUM ORE GRADE OF MOVING MINE CAR CAPABLE OF BEING STRIPPED OF THORIUM AND POTASSIUM RADIATION INTERFERENCE ~71:CGNPC Uranium Resources CO.Ltd, Room 203, 2F, Block B, Wanghai Building, No. 10 West Third Ring Road, Haidian District, Beijing, 100000, People's Republic of China;East China University of Technology, No. 56 Xuefu Road, Fuzhou City, 344100, People's Republic of China ~72: Bin Qiu;Bin Tang;Chaofei Qin;Huaifeng Zhang;Jinhui Qu;Ning Chen;Renbo Wang;Xiongjie Zhang;Yulong Liu~ 33:CN ~31:2024110563590 ~32:02/08/2024

2025/03400 ~ Complete ~54:VARIABLE-SPEED ANCHOR CABLE TENSIONING INSTRUMENT BASED ON ULTRASONIC FLAW DETECTION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: LI, Shuai;LIAO, Hailing;LIU, Diedie;LONG, Zhe;MIAO, Yueming;YANG, Haoming;YUAN, Yanzhao;ZHAI, Juyun;ZHANG, Shuo~

2025/03406 ~ Complete ~54:GYRATORY CRUSHER WITH SELF-ALIGNING MAINSHAFT FEATURES AND METHOD OF ASSEMBLY THEREOF ~71:FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: HARRIS, Stephen Richard;MALONE, William George~ 33:US ~31:63/076,056 ~32:09/09/2020

2025/03416 ~ Complete ~54:MULTICAST AND BROADCAST SERVICES IN CELLULAR COMMUNICATION NETWORKS ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: ELMALI, Ugur Baran;GODIN, Philippe;MALKAMÄKI, Esa, Mikael;PANIGRAHI, Bighnaraj;SEBIRE, Benoist, Pierre~ 33:IN ~31:202241055992 ~32:29/09/2022

2025/03425 ~ Complete ~54:ENHANCED CSI CONFIGURATION FOR SPATIAL DOMAIN ADAPTATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: DEGHEL, Matha;DHERE, Amol;LASELVA, Daniela;ZHENG, Naizheng~

2025/03429 ~ Complete ~54:INTER-NODE COORDINATION OF COMPETING RVQOE CONFIGURATIONS IN MR-DC ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: BARAC, Filip;CIUCIULKAITE, Agne;EKLÖF, Cecilia;LUNARDI, Luca;RUNE, Johan~ 33:US ~31:63/410,386 ~32:27/09/2022

2025/03437 ~ Complete ~54:BEVERAGE OR FOODSTUFF PREPARATION SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: NOTH, André~ 33:EP ~31:22199285.2 ~32:30/09/2022

2025/03441 ~ Complete ~54:COMPOUNDS, COMPOSITIONS AND METHODS OF USE TO TREAT HYPOPARATHYROIDISM AND OSTEOPOROSIS ~71:Septerna, Inc., 250 East Grand Avenue, Suite 65, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: BISHOP, Michael J.;BOUAYAD-GERVAIS, Samir;COLWELL, Curtis Eugene;DU, Xiaohui;EWING, Todd J. A.;LAROUCHE-GAUTHIER, Robin;LEBLANC, Melissa;LONG, Daniel D.;MCKERRALL, Steven J.;ZHAO, Liang~ 33:US ~31:63/418,754 ~32:24/10/2022;33:US ~31:63/464,457 ~32:05/05/2023;33:US ~31:63/532,181 ~32:11/08/2023

2025/03442 ~ Complete ~54:HYDROGEN PRODUCTION AND SULFUR-CARBON SEQUESTRATION ~71:KOLOMA, INC., 1900 GRANT STREET, SUITE 1250, DENVER, COLORADO, CO, 80203, United States of America ~72: DARRAH, THOMAS;HARRINGTON, JACOB;JOHNSON, PETER;WHYTE, COLIN~ 33:US ~31:63/330,216 ~32:12/04/2022;33:US ~31:63/330,220 ~32:12/04/2022;33:US ~31:63/330,223 ~32:12/04/2022

. - APPLIED ON 2025/04/24 -

2025/03467 ~ Provisional ~54:REAL-TIME CENTRALISED DATA HEALTH MONITORING AND VALIDATION ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03493 ~ Complete ~54:METHODS FOR TREATING HAND AND FOOT DERMATITIS BY ADMINISTERING AN IL-4R ANTAGONIST ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BANSAL, Ashish;CHAO, Jingdong~ 33:US ~31:63/381,908 ~32:01/11/2022;33:US ~31:63/489,377 ~32:09/03/2023

2025/03495 ~ Complete ~54:HYBRID HYDROGEN FUEL CELL COMBUSTOR POWER SYSTEM ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: GINTER, David M.;PIERPONT, David A.~ 33:US ~31:18/048,331 ~32:20/10/2022

2025/03500 ~ Complete ~54:CD163 BINDING PROTEIN ~71:ECO Animal Health Ltd., The Grange, 100 High Street, LONDON N14 6BN, UNITED KINGDOM, United Kingdom ~72: BENCHAOUI, Hafid Abdelaali;OWEN, Charles Edward;TAIT-BURKARD, Christine~ 33:GB ~31:2214979.3 ~32:11/10/2022

2025/03502 ~ Complete ~54:FCRN ANTAGONIST MOLECULES AND METHODS OF USE THEREOF ~71:argenx BV, Industriepark Zwijnaarde 7, GHENT 9052, BELGIUM, Belgium ~72: BORGIONS, Filip;HANSSENS, Valérie;MEERSCHAERT, Kris;STALS, Hilde~ 33:US ~31:63/383,599 ~32:14/11/2022

2025/03453 ~ Provisional ~54:CUSTOM COOLING CAR MEASURING SECTION ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03455 ~ Provisional ~54:CROSSCUT WATER MEASURING SECTION ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03461 ~ Provisional ~54:PANEL CLEANING MEASUREMENT DEVICE ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03474 ~ Provisional ~54:UNIQUE GENERIC EXCEPTION REPORTING FOR MINE STOPES ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03477 ~ Provisional ~54:REAL-TIME DIGITAL TWIN APP FOR MINE STOPES ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03479 ~ Provisional ~54:A FIXATION SYSTEM FOR MINIMALLY INVASIVE OCULAR IMPLANTS AND A DELIVERY SYSTEM AND METHOD FOR OCULAR IMPLANT FIXATION ~71:LIQID MEDICAL CORP., 1221 Brickell Center, Miami 33131, Florida, USA, United States of America ~72: CAMRAS, Lucinda Jean;FISCHER, Joshua David;MCCLUNAN, Daemon Bruce;SWANEPOEL, Liam~

2025/03489 ~ Complete ~54:GENE THERAPIES FOR LYSOSOMAL DISORDERS ~71:Prevail Therapeutics, Inc., 430 East 29th Street, Suite 940, NEW YORK 10016, NY, USA, United States of America ~72: ABELIOVICH, Asa;HECKMAN, Laura;HEFTI, Franz;LIN, Hsuan-Ni;RHINN, Herve;WONG, Li Chin~ 33:US ~31:62/831,846 ~32:10/04/2019;33:US ~31:62/934,450 ~32:12/11/2019;33:US ~31:62/954,089 ~32:27/12/2019;33:US ~31:62/960,471 ~32:13/01/2020;33:US ~31:62/988,665 ~32:12/03/2020

2025/03501 ~ Complete ~54:REFRACTORY COVERING PARTICLE COMPOSITION ~71:Saint-Gobain Centre de Recherches Et D'etudes Europeen, Tour Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: KULKARNI, Shrijit;MAITI, Kuntal~ 33:IN ~31:IN202221062577 ~32:02/11/2022

2025/03505 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING KERATIN SUBSTRATES ~71:L'Oreal, 14 rue Royale, PARIS 75008 , FRANCE, France ~72: PAREKH, Aakash;RUGHANI, Ronak~ 33:US ~31:63/427,549 ~32:23/11/2022;33:FR ~31:2301019 ~32:03/02/2023

2025/03509 ~ Complete ~54:TOMATO PLANT HAVING IMPROVED WHITEFLY RESISTANCE ~71:ENZA ZADEN BEHEER B.V., Haling 1 E, 1602 DB, Enkhuizen, Netherlands ~72: JAN-WILLEM DE KRAKER;JUAN DAVID CANO MARTINEZ;MARIEKE YKEMA;TERESA MONTORO PONSODA~

2025/03449 ~ Provisional ~54:A BREAKOUT WRENCH ~71:MAMMOTH PLANT AND EQUIPMENT PROPRIETARY LIMITED, 9A Chopin Street, Klarinet Industrial Area, Witbank 1035, Mpumalanga, SOUTH AFRICA, South Africa ~72: GOUWS, Juan~

2025/03459 ~ Provisional ~54:CUSTOM PANEL-SPECIFIC BLASTING DETECTION DEVICE ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03460 ~ Provisional ~54:ORE CHUTE LEVEL MEASURING DEVICE ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03463 ~ Provisional ~54:CUSTOM GENERIC MINE STOPE DATA SOURCE CONNECTORS ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03465 ~ Provisional ~54:ADAPTIVE TIME-SERIES DATA AGGREGATION FOR MINE STOPE AND CROSSCUT MONITORING ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03475 ~ Provisional ~54:VIRTUAL DIGITAL MINE SHIFT BOSS ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03451 ~ Provisional ~54:DOUBLE-WIRELESS MESH COMMUNICATION AND MEASUREMENT SYSTEM FOR DEEP-LEVEL MINES ~71:Mathews Consolidated Holdings Pty Ltd, 77 Tijger Vallei Office Park, 13 Pony street, South Africa ~72: I MATHEWS~

2025/03457 ~ Provisional ~54:CAPACITIVE SENSING KEYBOARD SWITCHES ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;DE JONGH, Chris Hendrik;LOCHNER, Jacobus Nicolaas;RADEMEYER, Daniël Barend;VILJOEN, Jean~

2025/03462 ~ Provisional ~54:CUSTOM CROSSCUT VALVE CLOSURE MECHANISM ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03468 ~ Provisional ~54:CONDITION BASED-DATA QUALITY ASSURANCE FOR MINE STOPES ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03471 ~ Provisional ~54:SOC2 ALIGNED DATA AND INFORMATION MANAGEMENT SECURITY PROCESS FOR MINES ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03473 ~ Provisional ~54:GENERIC CALCULATION TAG GENERATION FOR DEEP MINES ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03484 ~ Complete ~54:AN IRRADIATION-RESISTANT METAL PROTECTIVE HOUSING DESIGN METHOD FOR ROBOTIC ELECTRONIC COMPONENTS (MACHINE TRANSLATION) ~71:HAINAN NUCLEAR

POWER CO., LTD, P.O.BOX 1208, CHANGJIANG COUNTY, People's Republic of China;HEXIN INFORMATION TECHNOLOGY(BEIJING)CO., LTD., Yard No. 1, Saoziying, Haidian District, People's Republic of China;ZHEJIANG UNIVERSITY, No.866, Yuhangtang Road, Xihu District, Hangzhou, People's Republic of China ~72: CHEN, Jianxin;HAN, Pei;HE, Qiongrui;JU, Bingfeng;LIN, Weifeng;MENG, Chengshui;SHU, Yi;SUN, Anyu;WANG, Deying;WU, Tong;XIA, Hao;ZHANG, Chengliang;ZHANG, Chuan;ZHANG, Luyin~ 33:CN ~31:202411946172.8 ~32:27/12/2024

2025/03491 ~ Complete ~54:WATER METER BOX FOR UTILITY METER ~71:PLASTINTERNATIONAL (PTY) LIMITED, 29 Bell Street, Meadowdale, South Africa ~72: GREGORY KENNETH WITTSTOCK~ 33:ZA ~31:2024/02800 ~32:11/04/2024

2025/03494 ~ Complete ~54:ADAPTIVE DUST COLLECTION CONTROL SYSTEM AND APPLICATION FOR VACUUM SWEEPER ~71:HUBEI HONGYU SPECIAL AUTOMOBILE CO., LTD., No. 1089, Jiaotong Avenue, Zengdu Economic Development Zone, Suizhou, Hubei, 441300, People's Republic of China ~72: LIU, Wuzhou;LUO, Hao~ 33:CN ~31:2024103864403.8 ~32:01/04/2024

2025/03507 ~ Complete ~54:COMBINATION OF A TYROSINE KINASE INHIBITOR AND A PRO-INFLAMMATORY AGENT FOR TREATING CANCER ~71:MDX Management LLC, 9046 La Jolla Shores Lane, LA JOLLA 92037, CA, USA, United States of America ~72: BIAN, Zhen;LIU, Yuan;SHI, Lei;STYLLI, Harry~ 33:US ~31:63/382,003 ~32:02/11/2022;33:US ~31:63/491,000 ~32:17/03/2023;33:US ~31:63/581,197 ~32:07/09/2023

2025/03508 ~ Complete ~54:CD70 ANTIBODY DRUG CONJUGATES AND METHODS OF USING THE SAME ~71:GENMAB A/S, Carl Jacobsens Vej 30, 2500, Valby, Denmark ~72: BAITENG ZHAO;HAIDONG LIU;JULIA GAVRILYUK;TAE HAN;XIAO SHANG;ZHU CHEN~ 33:CN ~31:PCT/CN2022/127588 ~32:26/10/2022;33:US ~31:PCT/US2023/074126 ~32:14/09/2023

2025/03511 ~ Complete ~54:BIFUNCTIONAL COMPOUNDS CONTAINING 2,5-SUBSTITUTED PYRIMIDINE DERIVATIVES FOR DEGRADING CYCLIN-DEPENDENT KINASE 2 VIA UBIQUITIN PROTEASOME PATHWAY ~71:NIKANG THERAPEUTICS, INC., 200 Powder Mill Road, Bldg E500, Wilmington, Delaware, 19803, United States of America ~72: YAN LOU;ZHIYONG YU~ 33:US ~31:63/424,871 ~32:11/11/2022;33:US ~31:63/485,255 ~32:15/02/2023;33:US ~31:63/512,594 ~32:07/07/2023;33:US ~31:63/528,596 ~32:24/07/2023

2025/03452 ~ Provisional ~54:REAL-TIME CROSSCUT AND STOPE VITALS ~71:Mathews Consolidated Holdings Pty Ltd, 77 Tijgervallei Office Park, 13 Pony street, South Africa ~72: I MATHEWS~

2025/03454 ~ Provisional ~54:CROSSCUT COMPRESSED AIR MEASURING SECTION ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03456 ~ Provisional ~54:CUSTOM ENVIRONMENTAL OFFICER FOR CROSSCUTS AND STOPES ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03472 ~ Provisional ~54:REAL-TIME CENTRALISED HEALTH MONITORING AND VALIDATION FOR MINE WORK AREAS ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03476 ~ Provisional ~54:3D-MODEL INTEGRATED DATA VISUALISATION FOR DEEP MINES ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03481 ~ Complete ~54:SYSTEM FOR CLINICAL THINKING TRAINING ASSISTED BY ARTIFICIAL INTELLIGENCE FOR INQUISITION OF MEDICAL STUDENTS ~71:The Second Affiliated Hospital of Kunming Medical University, No. 374 Dianmian Road, Wuhua District, Kunming City, Yunnan Province, People's Republic of China ~72: CHEN Xingming;DENG Qiu;KE Yang;LI Jin;LI Yukai;LIANG Yubo;LIU Shurui;LUO Wanling;PI Jiangyuan;WANG Jiaping;WANG Qingbo;YANG Zisheng;ZHENG Xi;ZHU Songlin;ZUO Jinxiang~

2025/03482 ~ Complete ~54:UNMANNED AERIAL VEHICLE WITH SELF-RESCUE FUNCTION ~71:MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD, ROOM 9-07-08, BUILDING 1, HENGFENG BUILDING, SHUANGXI WEST ROAD, JIANGNAN STREET, People's Republic of China;XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, NO.3388, YINGBIN AVENUE, People's Republic of China ~72: DUAN, Zhizhuang;GU, Zhiyun;HAN, Baoyi;HUANG, Ruiyang;HUANG, Yixuan;ZHU, Jun~

2025/03488 ~ Complete ~54:METHOD FOR MONITORING MULTI-MODAL CROSS-SCALE BLACK SOIL DEGRADATION ~71:Inner Mongolia Academy of Agricultural & Animal Husbandry Sciences, No. 22 Zhaojun Road, Yuquan District, Hohhot City, Inner Mongolia Autonomous Region, 010030, People's Republic of China ~72: Bao Junwei;Guo Jia;Ji Shiyu;Sun Dele;Wang Baolin;Wulan Tuya~

2025/03490 ~ Complete ~54:STAND ALONE COPPER BURNER PANELBURNER PANEL FOR A METALLURGICAL FURNACE ~71:Systems Spray-Cooled, Inc., 877 Seven Oaks Blvd., Suite 500, SMYRNA 37167, TN, USA, United States of America ~72: FERGUSON, Scott A.;WARD, Troy D.~ 33:US ~31:16/560,451 ~32:04/09/2019

2025/03492 ~ Complete ~54:METHOD TO INHIBIT PROLIFERATION OF A PHYTOPATHOGEN ON PLANTS AND COMPOSITIONS USED FOR THIS PURPOSE ~71:CYSBIO APS, Agern Alle 1, Denmark ~72: BRØNDUM, Sebastian, Sven;JENDRESEN, Christian, Bille;MEYER, Henrik;NIELSEN, Alex Toftgaard~ 33:DK ~31:PA202270484 ~32:04/10/2022

2025/03499 ~ Complete ~54:ANTI-CD3 ANTIBODIES ~71:Ablexis, LLC, 10350 Barnes Canyon Road, Suite 100, SAN DIEGO 92121, CA, USA, United States of America ~72: AKOOPIE, Arvin;RAINEY, Godfrey Jonah;SEAGAL, Jane~ 33:US ~31:63/419,257 ~32:25/10/2022;33:US ~31:63/425,248 ~32:14/11/2022

2025/03504 ~ Complete ~54:EXATECAN-DERIVED ADC LINKER-PAYLOADS, PHARMACEUTICAL COMPOSITIONS, AND USES THEREOF ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065, NJ, USA, United States of America ~72: BACAUANU, Vlad;CHARATI, Manoj B.;CHEN, Sijie;JOHNSON, Rebecca Elizabeth;LANG, Simon B.;MORALES, Christian L.;QUIROZ, Ryan;SEGANISH, W. Michael;ZEPEDA, Nancy~ 33:US ~31:63/419,150 ~32:25/10/2022

2025/03497 ~ Complete ~54:FILTERING APPLIED TO PREDICTION IN VIDEO CODING ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: CHEN, Chun-Chi;COBAN, Muhammed Zeyd;KARCZEWICZ, Marta;RAY, Bappaditya;SEREGIN, Vadim;WANG, Hongtao~ 33:US ~31:63/478,657 ~32:05/01/2023;33:US ~31:63/496,278 ~32:14/04/2023;33:US ~31:63/509,207 ~32:20/06/2023;33:US ~31:63/511,134 ~32:29/06/2023;33:US ~31:18/404,658 ~32:04/01/2024

2025/03498 ~ Complete ~54:SEED COATING COMPOSITION ~71:Croda, Inc., 777 Scudders Mill Road, Bldg. 2, Suite 200, PLAINSBORO 08536, NJ, USA, United States of America ~72: REECE, Tyler Alan;TLACH, Brian Charles~ 33:US ~31:63/422,167 ~32:03/11/2022

2025/03503 ~ Complete ~54:METHOD FOR PRODUCING MINERAL FIBERS BY MEANS OF LOW-CARBON-EMISSION CENTRIFUGAL SPINNING ~71:Saint-Gobain Isover, Tour Saint-Gobain, 12, Place de l'Iris,

COURBEVOIE 92400, FRANCE, France ~72: SHARMA, Ayush;VERDIER, Antoine~ 33:FR ~31:2211509 ~32:04/11/2022

2025/03510 ~ Complete ~54:2-SUBSTITUTED 3,4A, 5, 7, 8, 8A-HEXAHYDRO-4H-THIOPYRANO [4,3-D]PYRIMIDIN-4-ONES FOR WOUND TREATMENT ~71:ELUCIDERM INC., 7163 Torrey Mesa Court, San Diego, California, 92129, United States of America ~72: DANIEL D HOLSWORTH;JOHN JOSEPH PALSTED DELGADO;SARIKA SARASWATI~ 33:US ~31:63/417,257 ~32:18/10/2022;33:US ~31:63/418,947 ~32:24/10/2022;33:US ~31:63/418,956 ~32:24/10/2022

2025/03464 ~ Provisional ~54:DEEP MINE DATA PIPELINE ORCHESTRATION ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03478 ~ Provisional ~54:DEVICE AND METHOD FOR OCULAR INTRATHECAL DRUG DELIVERY ~71:LIQID MEDICAL CORP., 1221 Brickell Center, Miami 33131, Florida, USA, United States of America ~72: CAMRAS, Lucinda Jean;FISCHER, Joshua David;MCCLUNAN, Daemon Bruce;SWANEPOEL, Liam~

2025/03483 ~ Complete ~54:STORAGE DEVICE FOR HEDGEHOG SIGNALING PATHWAY INHIBITOR ~71:CHONGQING CHEMICAL INDUSTRY VOCATIONAL COLLEGE, NO. 2009, PUTI EAST ROAD, CHANGSHOU DISTRICT, People's Republic of China ~72: DENG, Jinfeng;ZHANG, Jingzhou~

2025/03486 ~ Complete ~54:COLD COMPRESS NURSING DEVICE FOR BONE AND JOINT CIRCULATION ~71:The Affiliated Hospital of Qingdao University, No.16, Jiangsu Road, Qingdao City, Shandong Province, 266003, People's Republic of China ~72: LI Haiyan;LI Houxi;LI Qi;SU Qingqing;WANG Chunyan~

2025/03458 ~ Provisional ~54:WATER-RESISTANT NODE AIR VENT FOR UNDERGROUND MINING ENVIRONMENTS ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03469 ~ Provisional ~54:USE OF AI IN MINE STOPE DATA MONITORING ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03450 ~ Provisional ~54:REAL-TIME GEO-SOCIAL TELECOM OPTIMIZATION SYSTEM FOR MOBILE VIRTUAL NETWORK OPERATORS ~71:Tshegofatso Anthony Papo, 23 mote street atteridgeville 0006, South Africa ~72: Tshegofatso Papo~

2025/03466 ~ Provisional ~54:REAL-TIME CENTRALISED DATABASE FOR DEEP MINES ~71:Mathews Consolidated Holding (Pty) Ltd, 77 Tijgervallei Office Park, 13 Pony Street, South Africa ~72: I Mathews~

2025/03470 ~ Provisional ~54:INDIRECT CONTRACTOR'S COMMISSION CARD ~71:Somelezo Matutu, Gengqe A/A, South Africa ~72: Somelezo Matutu~

2025/03480 ~ Provisional ~54:POJUPOJU TOY CAPS ~71:Dorothy Dolly Mofomme, 17 Hilda Avenue, South Africa ~72: Pojupoju~ 33:ZA ~31:2025/00003 ~32:01/01/2025

2025/03485 ~ Complete ~54:DANCE APPARATUS FOR COORDINATED BALANCE AND FLEXIBILITY TRAINING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: GUO Mengyao;LI Xi;LI Xinke;LIU Peipei;MAO Qiusi~

2025/03487 ~ Complete ~54:HOT-PRESSING AND PERFORATION PREPARATION PROCESS FOR GRAPHENE/SIO2-BASED PRE-OXIDIZED FIBER FELT SOUND-ABSORBING MATERIAL FOR NOISE PROTECTION ~71:Tianjin Shenwei Flexible Protective Materials Technology Co., Ltd., Room 1101 and 1102,

Building 2, Tianjin Science and Technology Plaza, Scientific Research West Road, Nankai District (Tiankai Park), Tianjin, 300192, People's Republic of China ~72: LIU Han;LIU Yuanjun;ZHAO Xiaoming~

2025/03496 ~ Complete ~54:SENSORED HYGIENE CLOTH DISPENSER ~71:AYDENİZ, Halil, OYAK KENT 1. KISIM A1 BLOK KAT:6 D:24, Turkey;ELVAN, İlyas, PETROL İŞ MAH. BEYAZKÖŞK CAD. NO:36 KARTAL LİFE SİTESİ DAİRE:95, Turkey ~72: AYDENİZ, Halil~

2025/03506 ~ Complete ~54:METHOD OF MAKING DETERGENT GRANULES ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: CHU, Xiaobin;MCGUCKIN, Nicholas Alexander Jesse;WILSON, Nicholas Anthony;XU, Dan;ZHAO, Yue~

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

Application Number	Assignor	Assignee
2018/07215	PERKINELMER HEALTH SCIENCES (AUSTRALIA) PTY LTD	PERKINELMER DIAGNOSTICS GLOBAL HOLDINGS, S.A.R.L.
2018/07215	PERKINELMER DIAGNOSTICS GLOBAL HOLDINGS, S.A.R.L.	PERKINELMER GLOBAL HOLDINGS, S.A.R.L.
2018/07215	PERKINELMER GLOBAL HOLDINGS, S.A.R.L.	PERKINELMER HOLDINGS, INC.
2021/02118	PERKINELMER HEALTH SCIENCES (AUSTRALIA) PTY LTD	PERKINELMER DIAGNOSTICS GLOBAL HOLDINGS, S.A.R.L.
2021/02118	PERKINELMER DIAGNOSTICS GLOBAL HOLDINGS, S.A.R.L.	PERKINELMER GLOBAL HOLDINGS, S.A.R.L.
2021/02118	PERKINELMER GLOBAL HOLDINGS, S.A.R.L.	PERKINELMER HOLDINGS, INC.
2023/08219	CUTTING EDGE PACKAGING SOLUTIONS LLC	ACQUA ANGEL LLC
2022/02921	CUTTING EDGE PACKAGING SOLUTIONS LLC	ACQUA ANGEL LLC
2023/08669	RUBNER, ARNOLD	FLAMINGO TECH LTD.
2016/06269	PEGRAM, ALAN ROBERT	GLOBAL DISPLAY SA (PTY) LTD
2014/004027	TOTALENERGIES SE	TOTALENERGIES ONETECH
2008/03382	HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH	HUNTSMAN ADVANCED MATERIALS (SWITZERLAND) GMBH
2015/01813	TOTALENERGIES SE	TOTALENERGIES ONETECH
2024/08108	AIRBENDER INNOVATIONS (PTY) LTD	TANDEM TECHNOLOGY PROPRIETARY LTD
2015/01817	TOTALENERGIES SE	TOTALENERGIES ONETECH
2020/03121	CODA BIOTHERAPEUTICS, INC.	CODA (ASSIGNMENT FOR THE BENEFIT OF CREDITORS), LLC
2020/03121	CODA (ASSIGNMENT FOR THE BENEFIT OF CREDITORS), LLC	TRAMES BIO, INC.
2021/08927	SHANDONG ZHONGKE-JIAYI BIOENGINEERING CO., LTD.	MINSHENG ZHONGKE JIAYI (SHANDONG) BIOTECHNOLOGY CO., LTD.
2022/01998	SENTEC LTD.	SENSUS SPECTRUM LLC and SENSUS USA INC.
2019/02868	TONIX PHARMACEUTICALS HOLDING CORP.	TONIX PHARMA LIMITED
2022/04981	TONIX PHARMACEUTICALS HOLDING CORP.	TONIX PHARMA LIMITED

Application Number	Assignor	Assignee
2024/03393	TONIX PHARMACEUTICALS HOLDING CORP.	TONIX PHARMA LIMITED
2020/01172	SENTEC LTD.	SENSUS SPECTRUM LLC and SENSUS USA INC.
2020/06934	SENTEC LTD.	SENSUS SPECTRUM LLC and SENSUS USA INC.
2018/00603	SENTEC LTD.	SENSUS SPECTRUM LLC and SENSUS USA INC.
2014/03905	SENTEC LTD.	SENSUS SPECTRUM LLC and SENSUS USA INC.
2013/09635	SENTEC LTD.	SENSUS SPECTRUM LLC and SENSUS USA INC.
2023/08534	HEBEI GEO UNIVERSITY	HEBEI JINKANGAN MEDICAL DEVICE TECHNOLOGY CO., LTD.
2012/00837	JANKEL ARMOURING LIMITED	NP AEROSPACE SV LIMITED
2023/06565	GENZYME CORPORATION	PRINCIPIA BIOPHARMA INC.
2023/06086	GENZYME CORPORATION	PRINCIPIA BIOPHARMA INC.
2022/03501	SUPERCART SOUTH AFRICA (PTY) LTD.	DATACART SOUTH AFRICA (PTY) LTD.
2020/04523	NORTJE, FRANK WILBERFORCE	FYM SOLUTIONS (PTY) LTD.
2023/11326	GENZYME CORPORATION	PRINCIPIA BIOPHARMA INC.
2024/09842	BEIXIN JIABAOLI COATINGS (GUANGDONG) CO., LTD	GUANGDONG CARPOLY SCIENCE AND TECHNOLOGY MATERIAL CO., LTD.
2024/00991	VYAIRE MEDICAL INC.	ZOLL MEDICAL CORPORATION
2018/08209	SUZHOU CONNECT BIOPHARMACEUTICALS, LTD.	CONNECT BIOPHARMA HONGKONG LIMITED
2021/07515	SUZHOU CONNECT BIOPHARMACEUTICALS, LTD.	CONNECT BIOPHARMA HONGKONG LIMITED
2022/05288	SUMITOMO PHARMA CO., LTD.	NIHON MEDI-PHYSICS CO., LTD.
2022/03673	INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF MEDICAL SCIENCES	QINGDAO BAHEAL PHARMACEUTICAL CO., LTD.
2024/01352	EVOLUTION VALVES (PTY) LTD	CRAFFORD, RYNO ADOLF
2023/11076	XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD.	HITHIUM TECH HK LIMITED
2015/03128	PALATIN TECHNOLOGIES, INC.	COSETTE PHARMACEUTICALS, INC.
2023/00492	SAPPI NETHERLANDS SERVICES B.V.	SAPPI PAPIER HOLDING GMBH
2023/09145	XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD.	HITHIUM TECH HK LIMITED
2023/11692	XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD.	HITHIUM TECH HK LIMITED
2024/00256	XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD.	HITHIUM TECH HK LIMITED
2024/01138	SHENZHEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD. And XIAMEN HITHIUM ENERGY STORAGE	HITHIUM TECH HK LIMITED

Application Number	Assignor	Assignee
	TECHNOLOGY CO., LTD.	
2023/11706	HUZHOU HONEST INTELLIGENT TECHNOLOGY CO., LTD	BEIJING HONESORT TECHNOLOGY CO., LTD.
2021/08770	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP UHDE GMBH
2024/00522	SANOFI	SANOFI PASTEUR INC.
2023/04099	SANOFI	SANOFI PASTEUR INC.
2024/09842	BEIXIN JIABAOLI COATINGS (GUANGDONG) CO., LTD.	GUANGDONG CARPOLY SCIENCE AND TECHNOLOGY MATERIAL CO., LTD.
2024/09095	BEIXIN JIABAOLI COATINGS (GUANGDONG) CO., LTD.	GUANGDONG CARPOLY SCIENCE AND TECHNOLOGY MATERIAL CO., LTD.

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2018/07215	PERKINELMER HOLDINGS, INC.	REVVITY HOLDINGS, INC.
2021/02118	PERKINELMER HOLDINGS, INC.	REVVITY HOLDINGS, INC.
2014/04027	TOTAL MARKETING SERVICES	TOTALENERGIES MARKETING SERVICES
2014/04027	TOTALENERGIES MARKETING SERVICES	TOTALENERGIES SE
2021/08445	ARGENX BVBA	ARGENX BV
2024/07097	ARGENX BVBA	ARGENX BV
2014/07833	ARGENX BVBA	ARGENX BV
2021/03421	ARGENX BVBA	ARGENX BV
2010/07612	DIURNAL LIMITED	NEUROCRINE UK LIMITED
2014/03462	DIURNAL LIMITED	NEUROCRINE UK LIMITED
2014/06311	DIURNAL LIMITED	NEUROCRINE UK LIMITED
2015/07210	DIURNAL LIMITED	NEUROCRINE UK LIMITED
2015/01813	TOTAL SA	TOTAL SE
2015/01813	TOTAL SE	TOTALENERGIES SE
2015/01817	TOTAL SA	TOTAL SE
2015/01817	TOTAL SE	TOTALENERGIES SE
2015/08728	DIURNAL LIMITED	NEUROCRINE UK LIMITED
2012/01165	CARBON FIBRE PREFORMS LTD	CFP COMPOSITES LIMITED
2020/02597	INCITEC PIVOT LIMITED	DYNO NOBEL LIMITED
2023/07743	INCITEC PIVOT LIMITED	DYNO NOBEL LIMITED

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

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

No records available

APPLICATION FOR THE 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 **CLEMENT KEVIN FISHER** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2010/07789** entitled **GUIDE ROLLER ASSEMBLY** dated **29/10/2010**, which lapsed on **29/10/2022** owing to the non-payment of the prescribed renewal fee.

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

Notice is hereby given that **CLEMENT KEVIN FISHER** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2010/03015** entitled **LOCKING PLATE FOR GUIDE ROLLER ASSEMBLY** dated **30/04/2010**, which lapsed on **30/04/2022** owing to the non-payment of the prescribed renewal fee.

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

Notice is hereby given that **INJECTO GROUP A/S** whose address for service is **SPOOR & FISHER, CENTURION** has applied to the registrar for the restoration of Patent No **2016/08612** entitled **PISTON FOR USE A SYRINGE WITH SPECIFIC DIMENSIONAL RATIO OF A SEALING STRUCTURE** dated **04/06/2014**, which lapsed on **04/06/2024** 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: CONCRETE CANVAS TECHNOLOGY LTD. of **UNIT 3, BLOCK A22, SEVERN ROAD, TREFOREST INDUSTRIAL ESTATE, PONTYPRIDD, SOUTH WALES, CF37 5SP, UNITED KINGDOM.** Request permission to amend the specification of letters patent no **2011/06289** of **26 AUGUST 2011** for **IMPREGNATED CLOTH.**

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

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

Registrar of Patents

INSPECTION OF SPECIFICATIONS

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

COPIES OF DOCUMENTS

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

Photocopies: **R1, 00 per page**

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

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

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

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

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

Registrar of Patents

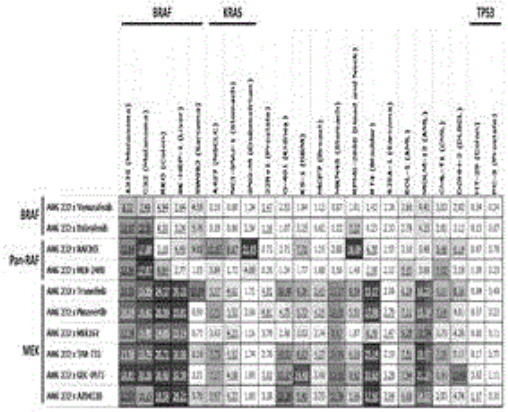
21: 2016/03342. 22: 2016/05/17. 43: 2025/02/13
51: A61K; A61P
71: AMGEN INC.
72: CAENEPEEL, SEAN, CANON, JUDE, HUGHES, PAUL, OLINER, JONATHAN D, RICKLES, RICHARD J, SAIKI, ANNE Y
33: US 31: 61/902,717 32: 2013-11-11
54: COMBINATION THERAPY INCLUDING AN MDM2 INHIBITOR AND ONE OR MORE ADDITIONAL PHARMACEUTICALLY ACTIVE AGENTS FOR THE TREATMENT OF CANCERS
00: -

The present invention provides combination therapy that includes an MDM2 inhibitor and one or more additional pharmaceutically active agents, particularly for the treatment of cancers. The invention also relates to pharmaceutical

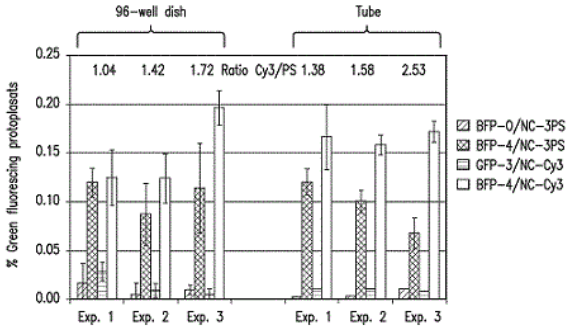
compositions that contain an MDM2 inhibitor and one or more additional pharmaceutically active agents for the treatment of cancers.

Figure 72

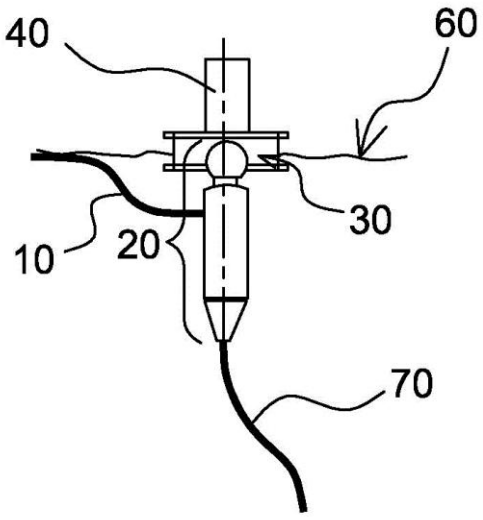
AMG 232 – MAPKi Combinations



21: 2016/06933. 22: 2016/10/10. 43: 2025/02/18
51: A01H C12N
71: CIBUS US LLC, CIBUS EUROPE B.V.
72: BEETHAM, Peter, R., GOCAL, Gregory, F.W., SCHOPKE, Christian, SAUER, Noel, PEARCE, James, SEGAMI, Rosa, E., MOZORUK, Jerry
33: US 31: 61/953,333 32: 2014-03-14
33: US 31: 62/051,579 32: 2014-09-17
33: US 31: 62/075,816 32: 2014-11-05
33: US 31: 62/075,811 32: 2014-11-05
33: US 31: 62/133,129 32: 2015-03-13
54: METHODS AND COMPOSITIONS FOR INCREASING EFFICIENCY OF TARGETED GENE MODIFICATION USING OLIGONUCLEOTIDE-MEDIATED GENE REPAIR
00: -
Provided herein include methods and compositions for making targeted changes to a DNA sequence. In various aspects and embodiments, methods and compositions for modifying a DNA sequence in a cell (such as a plant, bacterial, yeast, fungal, algal, or mammalian cell) are provided. In some aspects and embodiments the modification of DNA involves combining gene repair oligonucleotides with approaches that enhance the availability of components of the target cell gene repair mechanisms, such as a DNA cutter.



21: 2016/08690. 22: 2016/12/15. 43: 2025/01/31
51: E04H; H01R; H02G
71: Zodiac Pool Care Europe
72: FAVIE, Louis, DELOCHE, Rémi
33: FR 31: 1460188 32: 2014-10-23
54: POWER LEAD FOR A SWIMMING POOL CLEANING ROBOT
00: -
The invention relates to a power cable (10) for a pool-cleaning robot. The power cable (10) comprises a rotating connector (20) and a flotation means (30) supporting said rotating connector (20). An upper part of the flotation means (30) is a cap shaped to slide under a pool cover (50) under the effect of traction exerted by the pool-cleaning robot on the flotation means (30) by means of the power cable (70).



21: 2017/08000. 22: 2017/11/24. 43: 2025/03/13
51: C07K
71: TCR2 THERAPEUTICS INC.

72: BAEUERLE, Patrick, SIECZKIEWICZ, Gregory, HOFMEISTER, Robert
33: US 31: 62/163,342 32: 2015-05-18
54: COMPOSITIONS AND METHODS FOR TCR REPROGRAMMING USING FUSION PROTEINS
00: -
Provided herein are T-cell receptor (TCR) fusion proteins (TFPs), T-cells engineered to express one or more TFPs, and methods of use thereof for the treatment of diseases, including cancer.

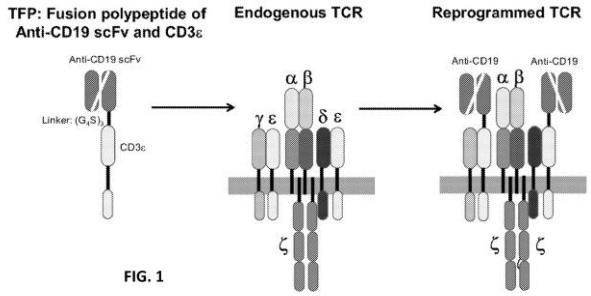
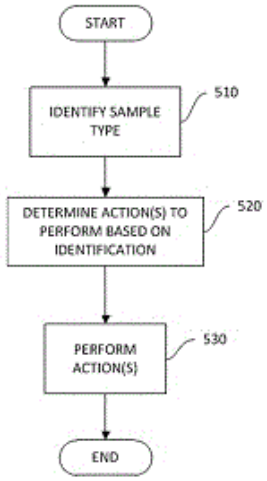


FIG. 1

21: 2017/08265. 22: 2017/12/05. 43: 2025/02/10
51: C07K
71: ONCOMED PHARMACEUTICALS, INC.
72: GURNEY, AUSTIN L, XIE, MING-HONG
33: US 31: 62/167,582 32: 2015-05-28
33: US 31: 62/205,279 32: 2015-08-14
33: US 31: 62/313,487 32: 2016-03-25
54: TIGIT-BINDING AGENTS AND USES THEREOF
00: -
Agents that specifically bind TIGIT are disclosed. The TIGIT-binding agents may include polypeptides, antibodies, and/or bispecific agents. Also disclosed are methods of using the agents for enhancing the immune response and/or treatment of diseases such as cancer.

21: 2018/07591. 22: 2018/11/12. 43: 2025/02/07
51: A61K; B01J
71: LANTHEUS MEDICAL IMAGING, INC.
72: ROBINSON, SIMON P, WALKER, CAROL, ONTHANK, DAVID C, LAZEWATSKY, JOEL, NGUYEN, NHUNG TUYET
33: US 31: 62/332,462 32: 2016-05-05
33: US 31: 62/331,968 32: 2016-05-04
54: METHODS AND DEVICES FOR PREPARATION OF ULTRASOUND CONTRAST AGENTS
00: -
Provided herein are methods and devices for identifying and/or distinguishing UCA formulations and specifically activating such formulations to produce UCA suitable for in vivo use.

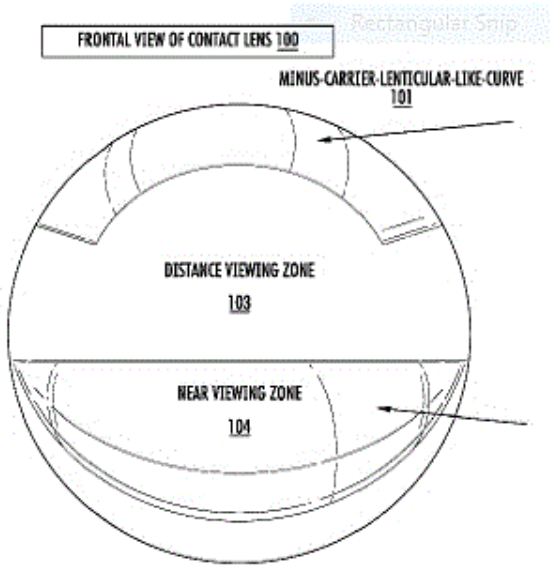


21: 2018/07905. 22: 2018/11/22. 43: 2025/02/03
51: A01N
71: CORTEVA AGRISCIENCE LLC
72: DEGENHARDT, RORY, JURAS, LEN, SATCHIVI, NORBERT M, BATH, SHELLEY, HARRIS, BERNARD M, MACRAE, ANDREW, GAST, ROGER E, MANN, RICHARD K, SMITH, LAURA
33: US 31: 62/348,528 32: 2016-06-10
54: SAFENED HERBICIDAL COMPOSITIONS CONTAINING HALAUXIFEN AND METHODS OF USE THEREOF IN BRASSICA SPECIES
00: -
Provided herein are safened herbicidal compositions for use in Brassica species susceptible to injury by halauxifen comprising (a) a herbicidally effective amount of halauxifen or an agriculturally acceptable salt or ester of thereof, and (b) one or more of (i) a herbicide[s], capable of safening the halauxifen to the Brassica species, or an agriculturally acceptable salt or ester thereof, or (ii) a herbicide safener, capable of safening the halauxifen to the Brassica species, or an agriculturally acceptable salt or ester thereof.

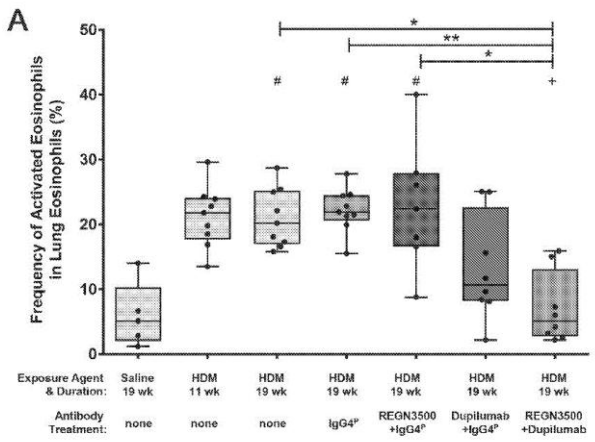
21: 2019/01556. 22: 2019/03/12. 43: 2025/01/10
51: C05D; C05F
71: RELIANCE INDUSTRIES LIMITED
72: AMALORPAVANATHAN, Josephine Antonette Sophia, SIDHPURIA, Kalpeshkumar Bhikhubhai,

KUMAR, Satish, SHAH, Yamini Sanjay, SONI, Sunil, KUMAR, Prakash, GOPALAKRISHNAN, Kalpana, JASRA, Raksh Vir
33: IN 31: 201623031867 32: 2016-09-19
54: FERTILIZER PRODUCT AND A PROCESS FOR PREPARATION THEREOF
00: -
The present disclosure relates to fertilizer products and a process for their preparation. The fertilizer product comprises micronized elemental sulphur, at least one dispersing agent, and at least one sulphur solubilizing microbe. The fertilizer product is of multi-functional nature as it provides rapid dispersion of sulphur pellets, pastilles, and the like into fine sulphur particles, as the dispersed fine particles oxidize more quickly to sulphate forms. The fertilizer product is suitable for agricultural applications.

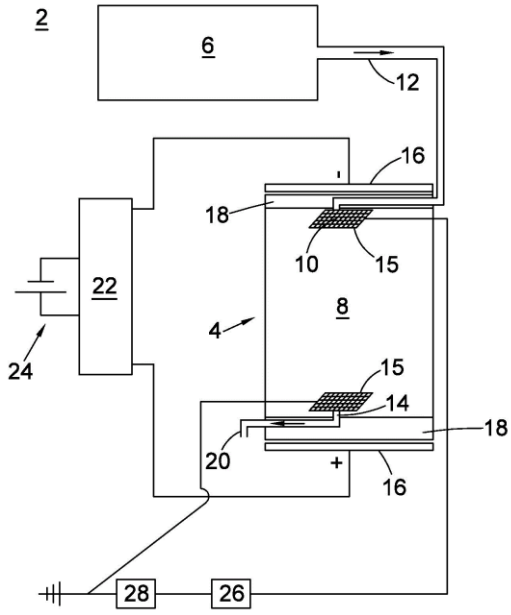
21: 2019/02301. 22: 2019/04/11. 43: 2025/02/13
51: G02C
71: OHIO STATE INNOVATION FOUNDATION
72: BAILEY, MELISSA D, BARR, JOSEPH T
33: US 31: 15/274,159 32: 2016-09-23
54: CONTACT LENS COMPRISING A LENTICULAR IN A SUPERIOR PORTION OF THE CONTACT LENS
00: -
Disclosed herein is a contact lens comprising a lenticular in a superior portion of the contact lens wherein the contact lens attaches to an upper eyelid of a wearer by the lenticular interacting with an upper tarsal plate of the upper eyelid of a wearer, said interaction allows the contact lens to translate upwards in downgaze and maintain rotational stability. In one aspect, the lenticular has a top surface, said top surface having a shape selected from the group consisting of flat, flat with rounded corners, concave, convex or tapered having a thicker portion closer to an edge of the contact lens, or combinations thereof. In another aspect, the lenticular is comprised of a plurality of lenticular sections. In yet another aspect, the lenticular is anatomically-shaped.



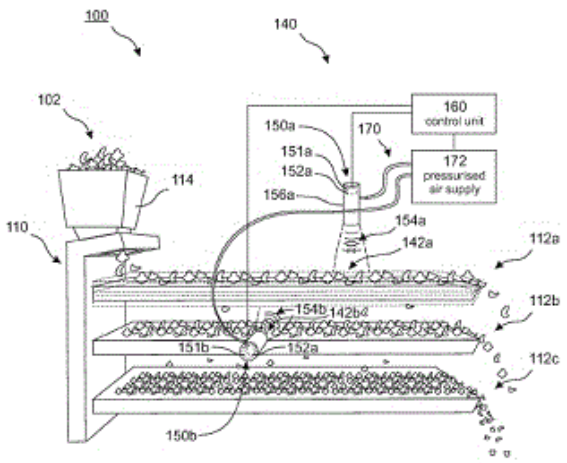
21: 2019/03091. 22: 2019/05/17. 43: 2025/03/25
51: A61K; C07K
71: REGENERON PHARMACEUTICALS, INC.
72: ORENGO, Jamie, M., ALLINNE, Jeanne, MURPHY, Andrew, J., YANCOPOULOS, George, D.
33: US 31: 62/428,634 32: 2016-02-01
33: US 31: 62/473,738 32: 2017-03-20
33: US 31: 62/567,318 32: 2017-10-03
54: METHODS OF TREATING INFLAMMATORY CONDITIONS
00: -
The present invention provides methods for treating inflammatory diseases, or conditions associated with, or resulting in part from, elevated levels of IL-33 and IL-4, in particular inflammatory lung disorders. The methods of the present invention comprise administering to a subject in need thereof one or more therapeutically effective doses of an IL-33 antagonist alone or in combination with one or more therapeutically effective doses of an IL-4R antagonist. In certain embodiments, the methods of the present invention include use of the antagonists to treat any inflammatory disease or condition mediated in part by enhanced IL-33-mediated signaling and IL-4-mediated signaling.



21: 2019/06628. 22: 2019/10/08. 43: 2025/01/30
51: H02N
71: Ionech Limited
72: OWEN, Nathan
33: GB 31: 1703802.7 32: 2017-03-09
54: ENERGY STORAGE AND CONVERSION
00: -
A device for converting kinetic energy of a fluid to electrical energy is disclosed. The device comprises a flow chamber having an inlet port for a fluid and an exhaust port for the fluid. A pair of charge collecting electrodes is spaced apart from each other along a collection direction and disposed within the flow chamber. An electric field generator is configured to generate an electric field in the flow chamber along a field direction to separate charged species in the fluid. A flow path of the fluid between the inlet port and the exhaust port may have a flow direction with a component along the first direction and a component along the second direction. Also disclosed is a system comprising the device and a related method. The disclosure may find application, for example, in providing a source of energy for an electric vehicle.

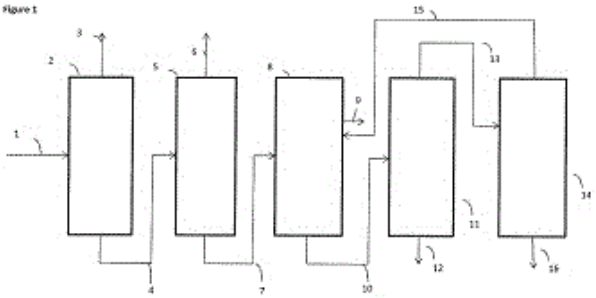


21: 2019/08007. 22: 2019/12/02. 43: 2025/02/10
51: G01N
71: METSO FINLAND OY
72: HÄLLEVALL, NICLAS, JONSSON, CECILIA
33: EP 31: PCT/EP2017/062131 32: 2017-05-19
54: ULTRASONIC DETECTION SYSTEM AND METHOD
00: -
The invention relates to an ultrasonic detection system (140) in an arrangement (100) for handling screening material (102), e.g. aggregate, ore or similar. The ultrasonic detection system (140) comprises an ultrasonic transmitter (151a) arranged at a surface (142a) of the arrangement (100), and adapted to send out an ultrasonic signal (154a) towards the surface (142a), an ultrasonic receiver (152a) arranged at the surface (142a), and adapted to receive the ultrasonic signal (154a), and a control unit (160) connected to the at least one ultrasonic transmitter (151a) and the at least one ultrasonic receiver (152a). The invention also relates to a method for monitoring operation of an arrangement (100) for handling screening material (102).



21: 2019/08279. 22: 2019/12/11. 43: 2025/02/10
51: A61K; A61P
71: PULMOPHARMA APS
72: JEPPESEN, PER BENDIX, NIELSEN, DAN MØNSTER
33: EP 31: 17175715.6 32: 2017-06-13
54: ANTIBIOTIC COMPOSITION FOR THE TREATMENT OF INFECTIONS WITH RESISTENT MICROORGANISM
00: -
A composition is provided, which comprises a mixture of a polymeric biguanide polymer and an alkyl and/or dialkyl oxyethylene methyl ammonium salt, or pharmaceutical acceptable salts or tautomers thereof, for use in the treatment, prevention and/or amelioration of an infection with a microorganism with antimicrobial resistance, such as methicillin resistant Staphylococcus aureus (MRSA).

21: 2019/08413. 22: 2019/12/17. 43: 2025/02/10
51: C07C
71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: JACKSON, SIMON, SNAITH, ADAM ARMOUR, TUCK, MICHAEL WILLIAM MARSHALL, WATSON, DAVID JOHN, WOOD, MICHAEL ANTHONY
33: GB 31: 1710508.1 32: 2017-06-30
54: PROCESS FOR THE PURIFICATION OF ETHYLENE GLYCOL
00: -
The present invention is directed to a process for the purification of ethylene glycol from a crude stream thereof. The process comprises passing the stream of crude ethylene glycol to a first distillation column in which light compounds within the crude stream are separated overhead and a lights-removed crude ethylene glycol stream is removed from at or near the bottom of the first distillation column; passing the lights-removed crude ethylene glycol stream removed from at or near the bottom of the first distillation column to a second distillation column in which purified ethylene glycol is separated and recovered from heavy components present in the lights-removed crude ethylene glycol stream; removing a stream from at or near the bottom of the second distillation column which comprises residual ethylene glycol together with diethylene glycol and heavy compounds and passing said stream to a third distillation column in which the heavy compounds are separated from the stream comprising ethylene glycol and diethylene glycol; and removing the stream comprising ethylene glycol and diethylene glycol from the third distillation column and passing said stream to a fourth distillation column in which the ethylene glycol is separated from the diethylene glycol.



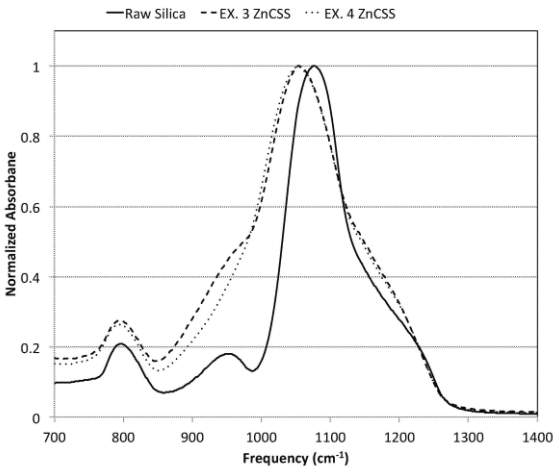
21: 2020/00086. 22: 2020/01/07. 43: 2025/02/19
51: A01N; A01P
71: UPL LTD
72: FABRI, Carlos Eduardo, SHROFF, Rajju Devidas, SHROFF, Jaidev Rajnikant, SHROFF, Vikram Rajnikant
33: IN 31: 201731020299 32: 2017-06-09
54: NOVEL PESTICIDAL COMBINATIONS
00: -
The present invention relates to combinations of a diamide insecticidal compound selected from broflanilide, chlorantraniliprole, cyantraniliprole, cyclaniliprole, cyhalodiamide, flubendiamide or tetraniliprole in combination with at least one multi-site fungicidally active compound and at least another insecticidal compound. The said combinations demonstrate excellent efficacy in the control of unwanted pests.

21: 2020/00150. 22: 2020/01/09. 43: 2025/02/20
51: A61K; A61Q
71: Colgate-Palmolive Company
72: TANG, Saide, FEI, Lin, CHOPRA, Suman

54: CORE-SHELL SILICA AND METHOD FOR PRODUCING SAME

00: -

Methods for preparing high loading core shell silica (CSS) particles, or CSS particles having a relatively greater amount of surface active silicate groups than CSS particles prepared according to conventional methods is provided. The method may include contacting silica particles with a base having a first metal ion to produce core shell silica particles. Each of the core shell silica particles may include a silica core and a silicate of the first metal ion etched on a surface of the silica core. The method may also include contacting each of the core shell silica particles having the silicate of the first metal ion with an acidic aqueous solution including a metal salt having a second metal ion to produce core shell silica particles including the silica core and a silicate of the second metal ion on the surface of the silica core.

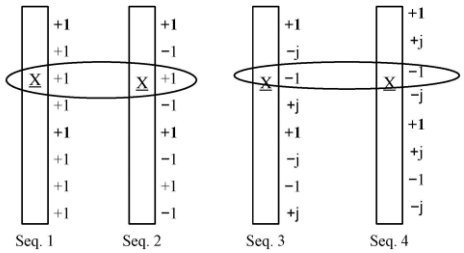


21: 2020/00271. 22: 2020/01/15. 43: 2025/02/19
51: H04L; H04W
71: QUALCOMM Incorporated
72: WANG, Renqiu, HUANG, Yi, XU, Hao, JI, Tingfang, PARK, Seyong
33: US 31: 62/521,297 32: 2017-06-16

54: SHORT BURST CHANNEL DESIGN AND MULTIPLEXING

00: -

Certain aspects of the present disclosure relate to methods and apparatus for short uplink burst designs. In some cases, one sequence, from a plurality of sequences, may be transmitted in multiple tones of at least one short burst symbol conveying at least one bit of information. The plurality of sequences may have the same values at a first set of common tone locations for demodulation reference signals (DMRS) and groups of sequences from the plurality of sequences may be identified, each sequence in a group having a second set of common tone locations for DMRS.

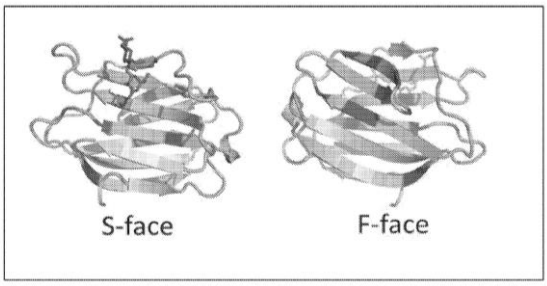


21: 2020/00375. 22: 2020/01/20. 43: 2025/02/19
51: A61K; C07D
71: Galectin Sciences, LLC
72: NIR, Raphael, ZOMER, Eliezer, TRABER, Peter G., JOHNSON, Joseph M., GEORGE, Ryan, SHECHTER, Sharon
33: US 31: 62/540,860 32: 2017-08-03

54: COMPOUNDS FOR THE PREVENTION AND TREATMENT OF MEDICAL DISORDERS AND USES THEREOF

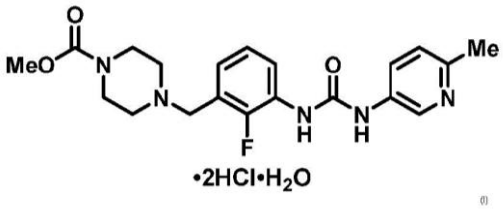
00: -

Aspects of the invention relate to compounds, pharmaceutical compositions, methods for the manufacturing of compounds and methods for treatment of various disorders mediated at least in part by one or more galectins.

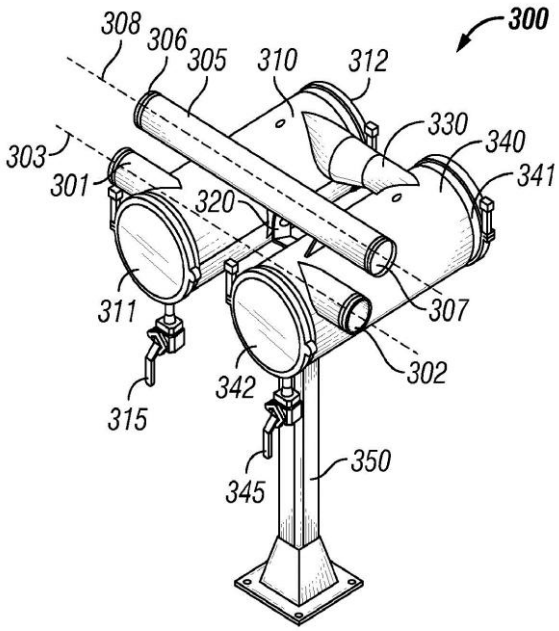


21: 2020/00534. 22: 2020/01/27. 43: 2025/02/20

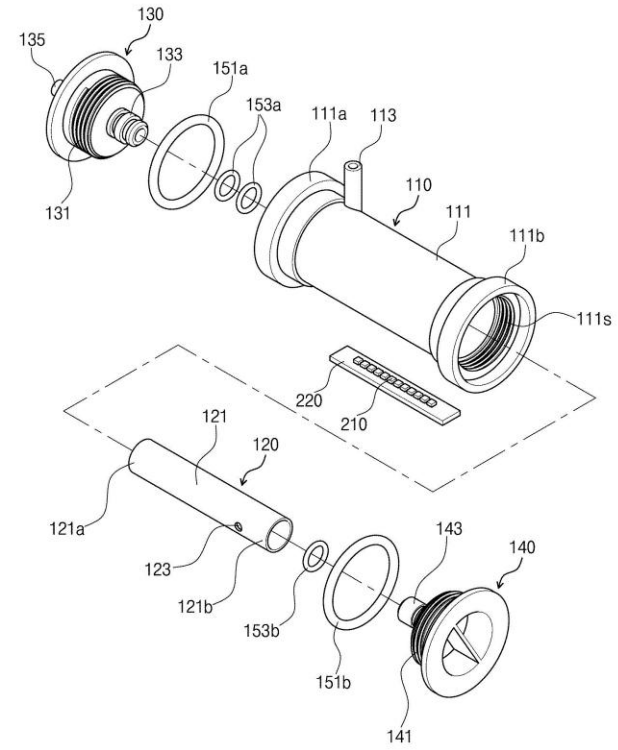
51: C07D
71: Amgen Inc.
72: CAILLE, Sebastien, QUASDORF, Kyle, ROOSEN, Philipp, SHI, Xianqing, COSBIE, Andrew, WANG, Fang, WU, Zufan, NEERGUNDA, Archana, QUAN, Bin Peter, GUAN, Lianxiu
33: US 31: 62/527,174 32: 2017-06-30
54: SYNTHESIS OF OMECAMTIV MECARBIL
00: -
Provided herein is a synthesis for omecamtiv mecarbil dihydrochloride hydrate and various intermediates. (I)



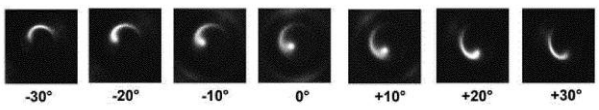
21: 2020/00600. 22: 2020/01/29. 43: 2025/02/20
51: B26D
71: J.R. Simplot Company
72: WALKER, David Bruce, NEEL, Allen J., ENGLAR, James
33: US 31: 62/527,737 32: 2017-06-30
54: CUT FOOD DENESTER
00: -
A system for separating cut food products includes a flow inlet (101; 301), a flow outlet (102; 202; 302), and at least one drum (110, 140; 210, 240; 310, 340) connecting the flow inlet and the flow outlet. The flow inlet may be oriented to direct the cut food product tangentially into the at least one drum. The flow inlet may be oriented to direct the cut food product into the at least one drum at a right angle to a longitudinal axis of the at least one drum. The at least one drum may be a plurality of drums including a first drum (110; 210; 310) having the flow inlet (101; 301) and a second drum (140; 240; 340) having the flow outlet (102; 202; 302). The system may include a passageway (130; 230; 330) providing fluid communication from the first drum to the second drum. The passageway may include a tapered section (135; 235). The flow inlet may be aligned with the flow outlet.



21: 2020/00640. 22: 2020/01/30. 43: 2025/02/19
51: A61L; C02F
71: Seoul Viosys Co., Ltd.
72: JEONG, Jae-Hak, JUNG, Sang-Wook, JEONG, Woong-Ki, CHOI, Jae-Young
33: KR 31: 10-2017-0088694 32: 2017-07-12
54: FLUID TREATMENT APPARATUS
00: -
A fluid sterilization apparatus includes a pipe for providing a path through which a fluid flows, and at least one light source module which is coupled to the pipe and emits light for treating the fluid into the pipe. The pipe includes an outer pipe having an inlet port through which the fluid is introduced at a first flow rate, and an inner pipe which is provided within the outer pipe and has an outlet port through which the fluid is discharged at a different flow rate from the first flow rate.

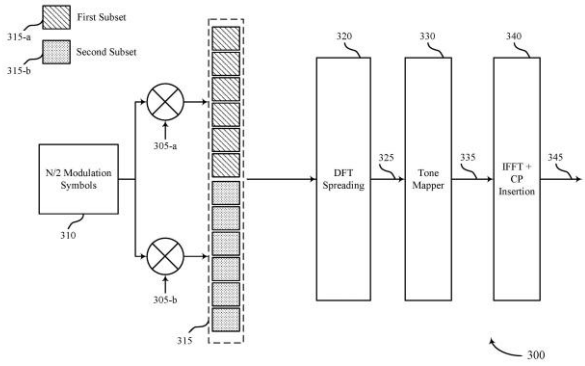


21: 2020/00642. 22: 2020/01/30. 43: 2025/02/20
51: B05D
71: SICPA HOLDING SA
72: AMERASINGHE, Cédric, MUELLER, Edgar, LOGINOV, Evgeny, SCHMID, Mathieu, DESPLAND, Claude-Alain
33: EP(CH) 31: 17187930.7 32: 2017-08-25
54: ASSEMBLIES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED 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: 2020/00947. 22: 2020/02/13. 43: 2025/02/26
51: A01N; A01P; A61L
71: Ceva Sante Animale
72: LIMAYE, Milind, DESHPANDE, Sadanand
33: IN 31: 201711028990 32: 2017-08-16
54: NEW DISINFECTANT FOR HATCHERIES
00: -
The invention relates to a stable disinfectant composition and the use of said composition for spraying hatching eggs prior to *in ovo* vaccination, for disinfecting vaccination equipment including vaccination needles, and for flushing vaccination equipment post vaccination cycles.

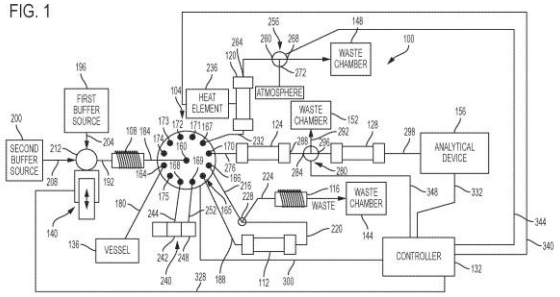
21: 2020/01104. 22: 2020/02/21. 43: 2025/02/19
51: H04L
71: QUALCOMM Incorporated
72: PARK, Seyong, HUANG, Yi, WANG, Renqiu, AKKARAKARAN, Sony, GAAL, Peter, LUO, Tao
33: US 31: 62/549,414 32: 2017-08-23
54: USER MULTIPLEXING FOR UPLINK CONTROL INFORMATION
00: -
Methods, systems, and devices for wireless communications are described. Pre-discrete Fourier transform (DFT) time-domain spreading codes may be applied for UE multiplexing for uplink control information (e.g., over shared resources of an uplink slot). For example, a moderate number of UEs may be multiplexed within the same slot by having each UE spread modulation symbols before DFT-spreading by different spreading code. For orthogonality across UEs, the pre-DFT spreading codes may be selected as orthogonal cover codes (OCCs). The spreading sequences can be generated from a set of any orthogonal sequences or generated from unitary matrices. In some cases, orthogonality in the time domain may be kept as well as a frequency division multiplexed (FDM) structure in the frequency domain. For such property, a Fourier basis OCC design may be used. In some other examples, a Hadamard matrix based OCC design may be used.



21: 2020/01214. 22: 2020/02/26. 43: 2025/02/19
51: G01N
71: Amgen Inc.
72: WU, Chao-Hsiang
33: US 31: 62/539,798 32: 2017-08-01
54: SYSTEMS AND METHODS FOR PERFORMING A REAL-TIME GLYCAN ASSAY OF A SAMPLE
00: -
Systems and methods that facilitate the automatic (or substantially automatic) preparation of a sample of a product containing polypeptides for glycan analysis and automatic (or substantially automatic) performance of a glycan assay of that sample. Thus, the preparation and analysis can be performed substantially in-real time, or, in other words, much more quickly than presently allowed by conventional systems and methods.

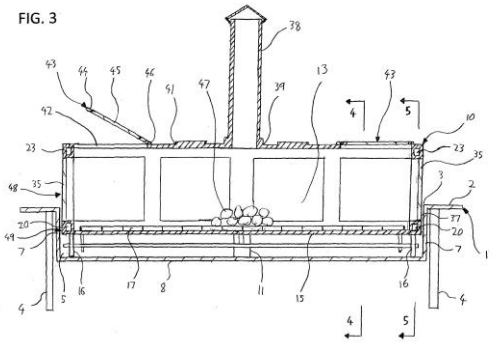
21: 2020/01218. 22: 2020/02/26. 43: 2025/02/19
51: G01N
71: Amgen Inc.
72: WU, Chao-Hsiang
33: US 31: 62/539,803 32: 2017-08-01
54: SYSTEMS AND METHODS FOR REAL TIME PREPARATION OF A POLYPEPTIDE SAMPLE FOR ANALYSIS WITH MASS SPECTROMETRY
00: -
Systems, and methods that facilitate the performance of an assay of a sample substantially in real-time. Thus, the assay can be performed, and the desired result obtained, much more quickly than allowed by conventional systems and methods.

FIG. 1



21: 2020/01221. 22: 2020/02/26. 43: 2025/02/26
51: A47B; A47J; F24C
71: THE CASHMERE CAVEMAN CO, WILD KITCHENS LIMITED
72: RITCHIE, Guy Stuart, TRUE, Nigel
33: GB 31: 1713935.3 32: 2017-08-31
54: A TABLE HAVING A HEATING APPLIANCE
00: -
A table (1) has a table top (2) containing an opening (3). A heating appliance (10) is in the opening (3) wherein the heating appliance (10) extends at least beneath the table top (2). The table top opening (3) comprises a recess (5) in which the heating appliance (10) is received, and the recess (5) has at least one wall (7) below the table top (2). The heating appliance (10) has a substantially sealed chamber (13) for receiving combustible fuel (47) with which the heating appliance (10) is used, and the chamber (13) has at least one window (35, 45).

FIG. 3



21: 2020/01251. 22: 2020/02/27. 43: 2025/02/19
51: A61K; C07K
71: Amgen Inc.
72: ALI, Khaled M.K.Z., AGRAWAL, Neeraj Jagdish, KANNAN, Gunasekaran, FOLTZ, Ian, WANG, Zhulun, BATES, Daren, MOCK, Marissa, TAKENAKA, Shunseke
33: US 31: 62/540,692 32: 2017-08-03

54: INTERLEUKIN-21 MUTEINS AND METHODS OF TREATMENT
00: -
Provided herein are IL-21 muteins and fusion proteins comprising the same for use in methods of treating a disease. Related conjugates, nucleic acids, vectors, host cells, pharmaceutical compositions and kits are also provided herein. Methods of making the IL-21 muteins and fusion proteins comprising the same, as well as methods of treating a subject in need thereof, are provided by the present disclosure. Further provided are PD-1 antigen-binding proteins.

21: 2020/01298. 22: 2020/02/28. 43: 2025/02/26
51: C07K; G01N
71: F. Hoffmann-La Roche AG
72: OELSCHLAEGEL, Tobias, KUBALEC, Pavel
33: EP(CH) 31: 17192532.4 32: 2017-09-22
54: MULTIVALENT MONO- OR BISPECIFIC RECOMBINANT ANTIBODIES FOR ANALYTIC PURPOSE
00: -
The present disclosure relates to novel analyte-specific multivalent recombinant antibodies that are particularly useful in immunoassays. Specifically hexavalent, octavalent and decavalent antibodies are disclosed, their construction, production, characterization and use in target antigen detection assays.

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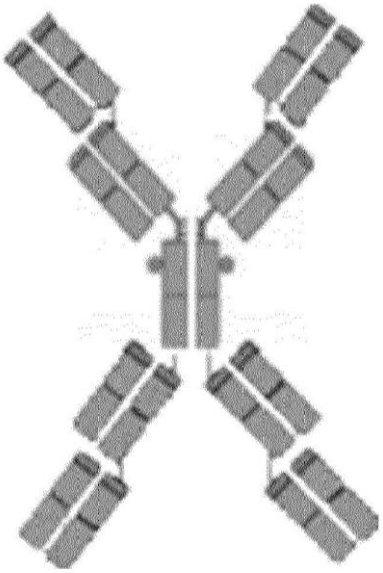
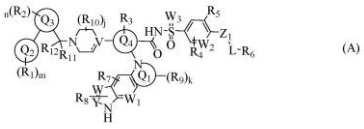


21: 2020/01301. 22: 2020/02/28. 43: 2025/02/26
51: A61K; A61P; C07D
71: Guangzhou Lupeng Pharmaceutical Company Ltd.
72: CHEN, Yi, LOU, Yan
33: US 31: 62/549,081 32: 2017-08-23
54: CONDENSED HETEROCYCLIC DERIVATIVES AS BCL-2 INHIBITORS FOR THE TREATMENT OF NEOPLASTIC DISEASES
00: -
The disclosure includes compounds of Formula (A) wherein R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, R_9, R_{10}, R_{11}, and R_{12}, j, k, m, n, Y, W, W_1, W_2, W_3, V, L, Z_1, Q_1, Q_2, Q_3, and Q_4, are defined herein. Also disclosed is a method for treatinga neoplastic disease, an autoimmune disease, or a neorodegenerative disease with these compounds.



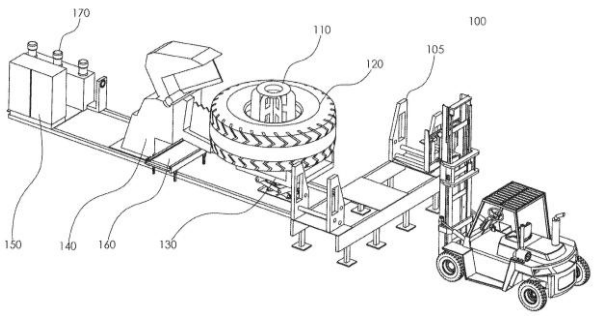
(A)

21: 2020/01304. 22: 2020/02/28. 43: 2025/02/26
51: A01N; A01P
71: Novamont S.p.A.
72: SAGLIANO, Angela
33: IT 31: 102017000088554 32: 2017-08-02
54: HERBICIDAL COMPOSITIONS BASED ON NONANOIC ACID AND KETOACIDS
00: -
The present invention relates to a composition comprising a saturated nonanoic acid and/or a saturated nonanoic acid salt, at least one ketoacid and at least one emulsifying agent, to a process for preparing said composition and to the use of said composition in herbicidal applications.

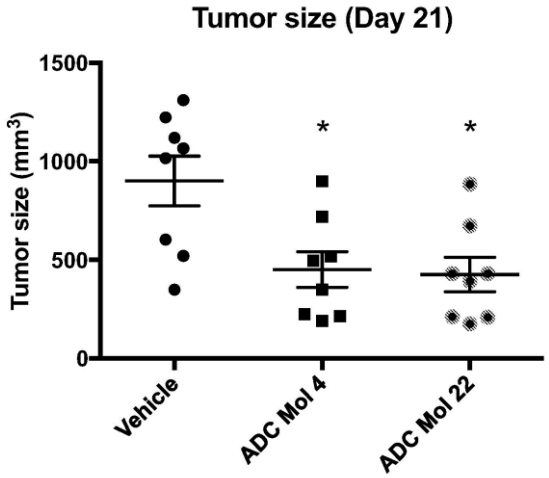
21: 2020/01390. 22: 2020/03/04. 43: 2025/02/26
51: A61K; A61P; C07D
71: Array BioPharma Inc.
72: METCALF, Andrew T., FRY, David, MCFADDIN, Elizabeth A., KOLAKOWSKI, Gabrielle R., HAAS, Julia, TANG, Tony P., JIANG, Yutong
33: US 31: 62/570,573 32: 2017-10-10
54: CRYSTALLINE FORMS
00: -
Provided herein are compound of Formula I-IV and pharmaceutically acceptable salts thereof which exhibit rearranged during transfection (RET) kinase inhibition. In particular, provided herein are novel crystalline forms of 4-(6-(4-((6-methoxypyridin-3-yl)methyl)piperazin-1-yl)pyridin-3-yl)-6-(1-methyl-1H-pyrazol-4-yl)pyrazolo[1,5-a]pyridine-3-carbonitrile

(Formula I), 6-(2-hydroxy-2-methylpropoxy)-4-(6-(6-((6-methoxypyridin-3-yl)methyl)-3,6-diazabicyclo[3.1.1]heptan-3-yl)pyridin-3-yl)pyrazolo[1,5-a]pyridine-3-carbonitrile (Formula II), 6-(2-hydroxy-2-methylpropoxy)-4-(6-(6-(6-methoxynicotinoyl)-3,6-diazabicyclo[3.1.1]heptan-3-yl)pyridin-3-yl)pyrazolo[1,5-a]pyridine-3-carbonitrile (Formula III), 6-(2-hydroxy-2-methylpropoxy)-4-(6-(4-hydroxy-4-(pyridin-2-ylmethyl)piperidin-1-yl)pyridin-3-yl)pyrazolo[1,5-a]pyridine-3-carbonitrile (Formula IV), and pharmaceutically acceptable salts thereof, pharmaceutical compositions comprising the compounds, processes for making the compounds, and the use of the compounds in therapy. More particularly, the application relates to novel crystalline forms of Formula I-IV and pharmaceutically acceptable salts thereof useful in the treatment and prevention of diseases which can be treated with a RET kinase inhibitor, including RET-associated diseases and disorders.

21: 2020/01452. 22: 2020/03/06. 43: 2025/02/26
51: B29B
71: Technical Rubber Company, Inc.
72: SALVADORI, Samuel
33: US 31: 62/556,263 32: 2017-09-08
54: TIRE DOWNSIZING APPARATUS AND METHOD
00: -
Systems and methods for downsizing tires are disclosed. The present application relates to a tire downsizing system comprising a cradle (105), mandrel table (130), cutting apparatus (140), a control unit (150), and a conveyor belt (160). A tire (120) mounted on the cradle (105) may be received by the movable and rotatable mandrel table (130), and positioned for engagement with the cutting apparatus (140), having a plurality of blades. In embodiments, a cutting configuration may be executed by the control unit. The control unit (150) positions the mandrel table and cutting apparatus to cause removal of portions from the tire (120) and the conveyor belt (160) transports the removed portions.

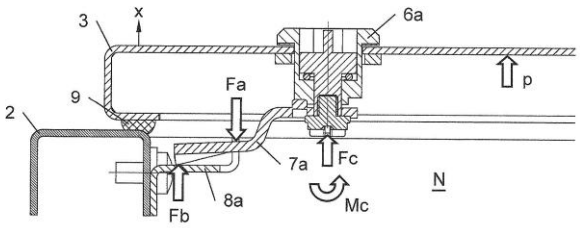


21: 2020/01564. 22: 2020/03/12. 43: 2025/02/26
51: A61K; C07K
71: Sutro Biopharma, Inc.
72: STAFFORD, Ryan, YAM, Alice, LI, Xiaofan, YIN, Gang, KLINE, Toni, ABRAHAMS, Cristina, DE ALMEIDA, Venita
33: US 31: 62/560,064 32: 2017-09-18
54: ANTI- FOLATE RECEPTOR ALPHA ANTIBODY CONJUGATES AND THEIR USES
00: -
The present disclosure relates to antibody conjugates with binding specificity for folate receptor alpha (FOLR1) and its isoforms and homologs, and compositions comprising the antibody conjugates, including pharmaceutical compositions. The variable light chains are those of trastuzumab. Also provided are methods of producing the antibody conjugates and compositions as well as methods of using the antibody conjugates and compositions, such as in therapeutic and diagnostic methods. The antibody conjugates comprise a non-natural amino acid at a site selected from the group consisting of HC-F404, HC-K121, HC-Y180, HC-F241, HC-221, LC-T22, LC-S7, LC-N152, LC-K42, LC-E161, LC-D170, HC-S136, HC-S25, HC-A40, HC-S119, HC-S190, HC-K222, HC-R19, HC-Y52, or HC-S70, according to the Kabat, Chothia, or EU numbering scheme.



21: 2020/01717. 22: 2020/03/18. 43: 2025/02/26
51: A61K; A61P; C07D
71: ACADIA Pharmaceuticals Inc.
72: BURSTEIN, Ethan S., OLSSON, Roger, BORGSTRÖM, Björn Gustav, JANSSON, Karl Erik, SKÖLD, Niklas Patrik, VON WACHENFELDT, Henrik, WAHLSTRÖM, Larisa Yudina
33: US 31: 62/548,301 32: 2017-08-21
54: COMPOUNDS, SALTS THEREOF AND METHODS FOR TREATMENT OF DISEASES
00: -
The present disclosure relates to compounds according to Formula (I), useful for treating diseases.

21: 2020/01723. 22: 2020/03/18. 43: 2025/02/26
51: E05B; E05C
71: Eaton Intelligent Power Limited
72: WEIGL, Franz
33: DE 31: 10 2017 121 787.8 32: 2017-09-20
54: SWITCH CABINET HAVING IMPROVED LOCKING MECHANISM
00: -
The invention relates to a switch cabinet (1a, 1b), comprising a frame (2), a door (3), a lock (6, 6a, 6b) having a moveable bolt (7, 7a, 7b), and a retaining element (8, 8a, 8b) which covers the bolt (7, 7a, 7b) in the blocking position of said bolt and prevents the door (3) from opening. When the door (3) is moved in the opening direction (x), the bolt (7, 7a, 7b) comes into contact with a first and second locking surface (A, B) of the retaining element (8, 8a, 8b). The first locking surface (A) lies nearer to the lock (6, 6a, 6b) than the second locking surface (B). In addition, the locking surfaces (A, B) are oriented in opposite directions and lie on opposing sides of the bolt (7, 7a, 7b) relative to the opening direction (x) of the door (3).



21: 2020/01752. 22: 2020/03/19. 43: 2025/02/26
51: A61K
71: Tillotts Pharma AG
72: VARUM, Felipe, VON ROCHOW, Laetitia, GÖTZ, Carmen, BRAVO, Roberto
33: EP(CH) 31: 17192260.2 32: 2017-09-20
54: PREPARATION OF SOLID DOSAGE FORMS COMPRISING ANTIBODIES BY SOLUTION/SUSPENSION LAYERING
00: -
The present invention relates to a method for preparing immediate and sustained release solid dosage forms, comprising antibodies andfunctional fragments thereof, by solution/suspension layering, optionally coated with a delayed release coating;the solid dosage forms prepared bythe method;and the use of the solid dosage forms in the topical treatment in the gastrointestinal tract of a patient.

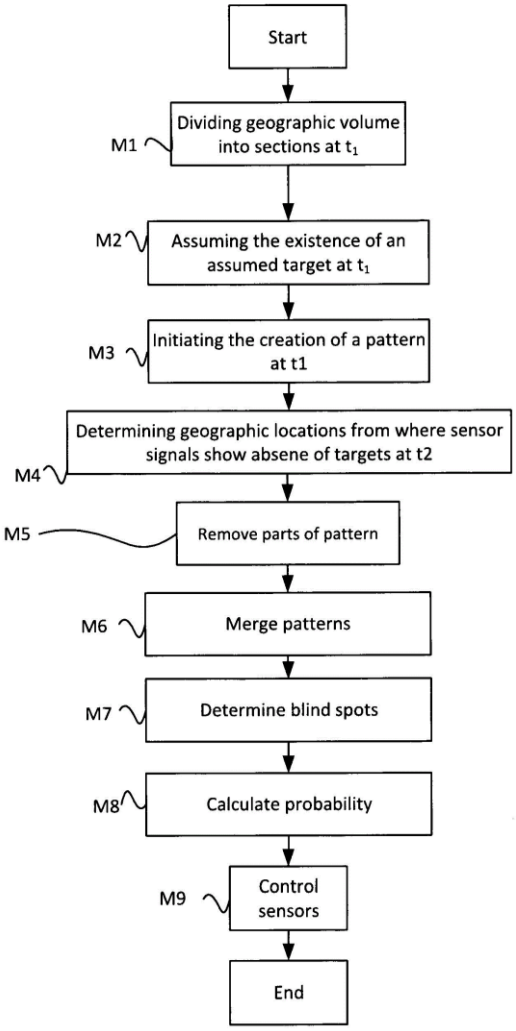
21: 2020/01754. 22: 2020/03/19. 43: 2025/02/26
51: A61K; A61Q
71: Colgate-Palmolive Company
72: FEI, Lin, MANDADI, Prakasarao, CHOPRA, Suman
54: WHITENING COMPOSITIONS AND METHODS FOR INCREASING STABILITY OF THE SAME
00: -
Oral care compositions and methods for whitening and preventing stains on teeth are provided. The oral care composition may include an orally acceptable vehicle, a peroxide whitening agent, and an abrasive system. The orally acceptable vehicle may include a block copolymer of ethylene oxide and propylene oxide, and the abrasive system may include at least one insoluble phosphate salt.

21: 2020/01831. 22: 2020/03/23. 43: 2025/02/26
51: A61K; A61Q
71: Colgate-Palmolive Company

72: MYERS, Carl, PICQUET, Guillaume, MAKWANA, Ekta
33: US 31: 62/597,970 32: 2017-12-13
54: ORAL CARE COMPOSITIONS
00: -
This application provides, among other things, novel aqueous monophasic compositions useful for combining and delivering poorly compatible ingredients, for example to deliver effective levels of cationic antibacterial agents in combination with anionic polymers, e.g. that protect against erosion and staining, by addition of a stabilizing amount of a polyamine, e.g. lysine, and methods for making and using the same.

21: 2020/01899. 22: 2020/03/24. 43: 2025/02/26
51: A61K; A61Q
71: Colgate-Palmolive Company
72: PAN, Guisheng, FEI, Lin, CHOPRA, Suman
54: ORAL CARE COMPOSITIONS AND METHODS FOR INCREASING STABILITY OF THE SAME
00: -
Anhydrous oral care compositions and methods for the same are provided. The anhydrous oral care composition may include an orally acceptable vehicle, a peroxide whitening agent, and an abrasive system. The abrasive system may include at least one abrasive having a pellicle cleaning ratio (PCR) greater than or equal to 100.

21: 2020/01902. 22: 2020/03/24. 43: 2025/02/26
51: G01C; G01S
71: SAAB AB
72: DICANDER, Fredrik
54: THE DESCRIBED INVENTION IS A METHOD AND A SYSTEM FOR DETERMINING POSSIBLE GEOGRAPHIC POSITIONS OF AT LEAST ONE ASSUMED UNDETECTED TARGET WITHIN A GEOGRAPHIC VOLUME OF INTEREST
00: -
A sensor surveillance system (100) and a method for determining possible geographic positions of at least one assumed undetected target (la-n) within a geographic volume of interest (200) is provided, wherein for a first point in time ti the following steps are performed: dividing the geographic volume of interest (200) into sections (10); assuming the existence of an assumed undetected target (la-n) at a geographic position within each section (10); and initiating the creation of a pattern (2) defining at least one possible geographic position of the assumed undetected target, said pattern extends at least partially around the geographic position of the assumed undetected target (la-n); wherein the geographic extension of said pattern is determined based on: the category of the assumed undetected target (la-n); and the amount of time that has passed from the first point in time tl. Further, for a second point in time t2 the following steps are performed: determining geographic locations (205) within said geographic volume of interest (200) from where sensor signals show absence of targets; and removing the pattern (2) from the geographic locations (205) from where sensor signals show absence of targets.

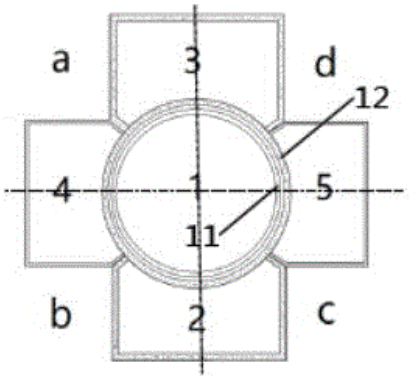


21: 2020/01906. 22: 2020/03/24. 43: 2025/02/26
51: A61K; A61Q

71: Colgate-Palmolive Company
72: PAN, Guisheng, FEI, Lin, CHOPRA, Suman

54: ORAL CARE COMPOSITIONS
00: -
Oral care compositions and methods for the same are provided herein. The oral care composition may include an orally acceptable vehicle, a peroxide whitening agent, and one or more gelling agents. The gelling agents may include a fatty acid. The gelling agents may be free or substantially free of fatty alcohols. The gelling agents may include at least one of palmitic acid, stearic acid, or mixtures thereof.

21: 2020/02003. 22: 2020/05/04. 43: 2025/02/20
51: E04H; G21C
71: China Nuclear Power Engineering Co., Ltd.
72: XING, Ji, ZHANG, Xueshuang, LIU, Qianwen, FAN, Li
33: CN 31: 201910233413.7 32: 2019-03-26
54: PROTECTION METHOD AND PROTECTION SYSTEM AGAINST COMMERCIAL AIRCRAFT CRASH FOR NUCLEAR POWER PLANT
00: -
The present application provides a protection method and a protection system against commercial aircraft crash for a nuclear power plant, wherein the protection system comprises an anti-plane crash shell provided outside an inner containment shell of the reactor building and arranged in the reactor building independent of the inner containment shell, wherein the spent fuel storage building and the electrical instrumentation and control building are respectively located on both sides symmetric with respect to the anti-plane crash shell of the reactor building, wherein structures of redundant two trains of the engineered safety feature buildings and those of the function supporting buildings are physically separated from the anti-plane crash shell, and wherein the protection system further comprises a local double-layer partition wall configuration provided close to an impact direction side in structures of the spent fuel pool and the main control room.



21: 2020/02130. 22: 2020/05/04. 43: 2025/02/18
51: H04B
71: PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA
72: TAO, Ming-Hung, SUZUKI, Hidetoshi, KUANG, Quan, SHAH, Rikin
33: EP 31: 17193906.9 32: 2017-09-28
54: RESOURCE ALLOCATION FOR BEAM FAILURE RECOVERY PROCEDURE
00: -
The present disclosure relates to a mobile terminal, a base station, an operating method for a mobile terminal and an operating method for a base station. The mobile terminal is for communicating in a mobile communication system with a base station using at least one of a plurality of downlink beams and at least one of a plurality of uplink beams, each of the downlink and uplink beams having different directivities and/or coverage, comprising: which, in operation, receives for a beam failure recovery, BFR, procedure an allocation of dedicated uplink radio resources for transmitting a beam failure recovery signal, a processor which, in operation, detects a downlink beam failure event and, in response thereto, initiates the beam failure recovery procedure, including the transceiver transmitting the beam failure recovery signal using the dedicated uplink radio resources from the allocation; wherein the dedicated uplink radio resources are restricting the transmission to a subset of the plurality of uplink beams that can be exclusively allocated by the base station to the mobile terminal.

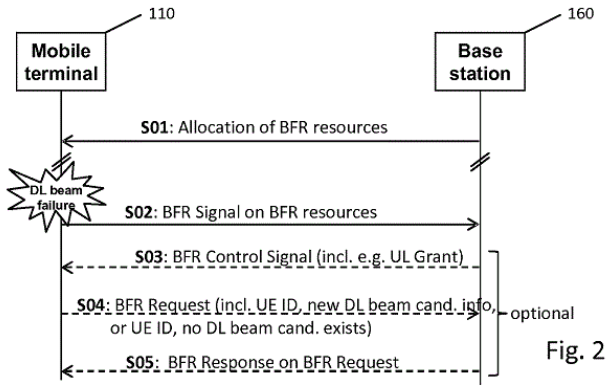


Fig. 2

21: 2020/02165. 22: 2020/05/04. 43: 2025/02/26
51: A61L; C12N
71: Bayer HealthCare, LLC
72: LIU, Shengjiang, TITONG, Allison, WANG, Wensheng, SPADONI, Nicholas
33: US 31: 62/559,812 32: 2017-09-18
54: METHODS OF INACTIVATION OF VIRUSES USING N-METHYLGLUCAMIDE AND ITS DERIVATIVES
00: -
This disclosure relates to methods for use in inactivating viruses. The methods of inactivating viruses with N-methylglucamides is applicable to the purification process of biologically-active drugs such as protein subunits, proteins (enzymes, factors, etc.), recombinant proteins, antibodies, vaccine or gene therapeutic products. The detergents used in this method are based on multiple N-methylglucamide homologs, consisting of a hydrophilic glucose moiety and hydrophobic fatty acid tail, linked by an amide bond. Additionally, these sugar-based detergents are nonionic by nature, which do not disrupt the drug protein, plasma biologies, non-enveloped viral vaccine or adeno associated viral particles. A method of purifying a biological product solution of interest having an unidentified enveloped virus contaminant, including incubating a biological product solution of interest with a standard solution, inactivating any potential enveloped virus contaminant present in the biological product solution of step (a), measuring the inactivated virus present in the final solution of step (b), incubating a separate biological product solution of interest with a N-methylglucamide solution, measuring the inactivated virus present in the final solution of step (d), and comparing the results of the final solutions of step (c) and step (e).

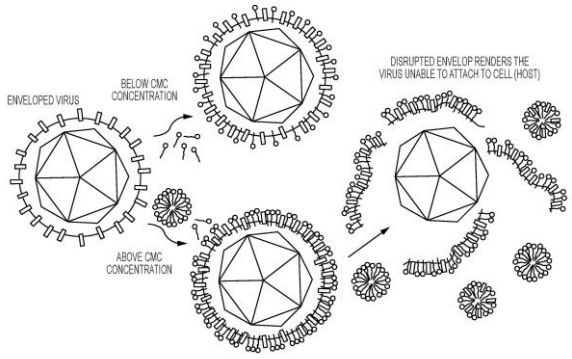


FIG. 1

21: 2020/02202. 22: 2020/05/04. 43: 2025/02/26
51: A61K; A61P; C07D
71: ACONDICIONAMIENTO TARRASENSE
72: ALMANSA-ROSALES, Carmen, TESSON, Nicolas
33: EP(ES) 31: 17 382 695.9 32: 2017-10-17
54: SALTS OF (R)-9-(2,5-DIFLUOROPHENETHYL)-4-ETHYL-2-METHYL-1-OXA-4,9-DIAZASPIRO[5.5]UNDECAN-3-ONE
00: -
The present invention relates to (R)-9-(2,5-difluorophenethyl)-4-ethyl-2-methyl-1 -oxa-4,9-diazaspiro[5.5]undecan-3-one salts, to pharmaceutical compositions comprising them, and to their use in therapy and/or prophylaxis of sigma receptor and/or μ-opioid receptor associated disease.

21: 2020/02233. 22: 2020/05/04. 43: 2025/02/26
51: A24F
71: Nicoventures Trading Limited
72: WRIGHT, Jeremy, RUCKER, Simon
33: GB 31: 1717484.8 32: 2017-10-24
54: ELECTRONIC AEROSOL PROVISION DEVICE
00: -
There is provided a device for an electronic aerosol provision system, wherein the device comprises a housing, said housing being formed of a chassis section and a hatch section. The hatch section is

connected to the chassis section and moveable between a first position where the chassis section and hatch section together define an enclosed space for an aerosol forming component to be located for aerosol generation, and a second position wherein the chassis section and hatch section are spaced so as to provide access to the space.

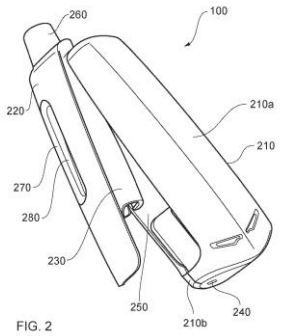
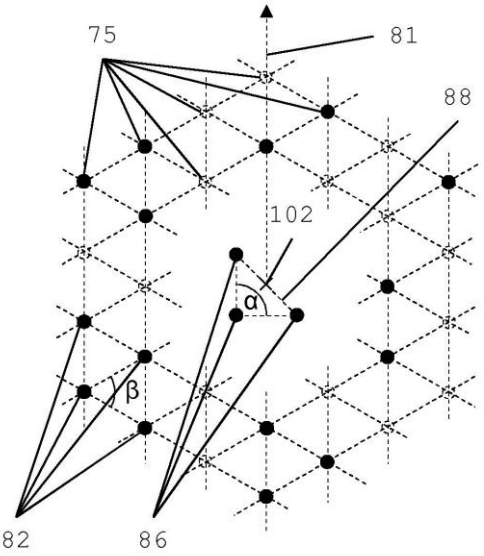


FIG. 2

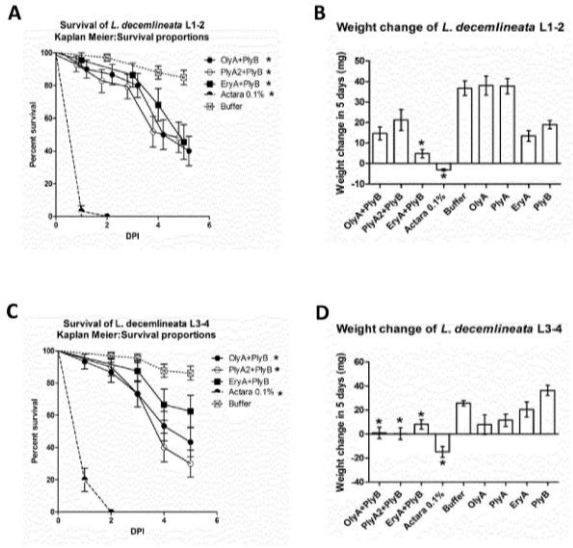
21: 2020/02246. 22: 2020/05/04. 43: 2025/02/26
51: A61K; C07K; G01N
71: New York University, PureTech Health, LLC
72: KOIDE, Shohei, MILLER, George, KOIDE, Akiko, CHEN, Linxiao, FILIPOVIC, Aleksandra, ELENKO, Eric, BOLEN, Joseph
33: US 31: 62/578,111 32: 2017-10-27
54: ANTI-GALECTIN-9 ANTIBODIES AND USES THEREOF
00: -
Disclosed herein are anti-Galectin-9 antibodies and methods of using such for inhibiting a signaling pathway mediated by Galectin-9 or eliminating pathologic cells expressing Galectin-9. Such anti-Galectin-9 antibodies may also be used to diagnose and/or to treat diseases associated with Galectin-9, such as autoimmune diseases and solid tumors.

21: 2020/02255. 22: 2020/05/04. 43: 2025/02/20
51: A23F
71: Société des Produits Nestlé S.A.
72: MOCCAND, Cyril, PALZER, Stefan, BEL-RHLID, Rachid, REH, Christoph Thomas, SAUVAGEAT, Jean-Luc, SYBESMA, Wilbert
33: EP(CH) 31: 17194683.3 32: 2017-10-04
54: METHOD FOR PRODUCING ROAST COFFEE BEANS
00: -
The present invention relates to a method for producing roast coffee beans with improved aroma, wherein extracted roast coffee beans are treated with an aqueous liquid comprising glycosidase to hydrolyse carbohydrates in the coffee beans, and the aqueous solution is subsequently used to infuse green coffee beans before roasting.

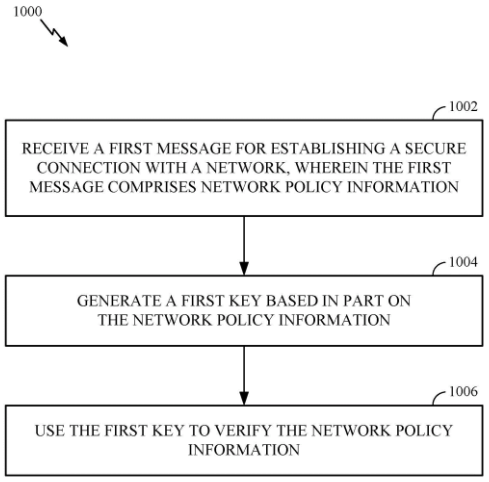
21: 2020/02258. 22: 2020/05/04. 43: 2025/02/26
51: A47J; B65D; G06K
71: Société des Produits Nestlé S.A.
72: NOTH, André
33: EP(CH) 31: 17195166.8 32: 2017-10-06
54: CONTAINER, PREPARATION MACHINE AND SYSTEM USING A BINARY CODE FOR ENCODING PREPARATION INFORMATION
00: -
Container for a beverage or foodstuff preparation machine, the container for containing beverage or foodstuff material and comprising a code encoding preparation information, the code comprising a reference portion (80) and a data portion (78). The reference portion (80) comprises three reference units (86) defining a reference line (81), the three reference units (86) being arranged at the vertices of an isosceles reference triangle having a reference apex angle. The data portion comprises discrete positions (75) at locations determined relative to the reference line (81), each discrete position either comprises or does not comprise a data unit (82) to at least partially encode the preparation information, wherein the discrete positions (75) are arranged at vertices of a grid of isomorphic tessellating isosceles data triangles, the data triangles having a data apex angle different from the reference apex angle.



21: 2020/02268. 22: 2020/05/04. 43: 2025/02/26
51: A01N; C12N
71: Kmetijski Inštitut Slovenije, Univerza V Ljubljani
72: PANEVSKA, Anastasija, RAZINGER, Jaka, SEPCIC, Kristina, MACEK, Peter, SKOCAJ, Matej, MODIC, Špela, NOVAK, Maruša, BUTALA, Matej, HODNIK, Vesna, GRUNDNER, Maja, TURK, Tom
54: NEW BIO-PESTICIDES FOR CONTROLLING PLANT PESTS
00: -
The present invention relates to cytolytic bi-component protein complexes consisting of a plurality of molecules of a me of the aegerolysin family and a plurality of molecules of a member of the MACPF superfamily, and particularly to their us controlling a plant pest, such as for controlling Colorado potato beetle [*Leptinotarsa decemlineata*] or Western corn root [*Diabrotica virgifera virgifera*]. More specifically, the invention relates to cytolytic bi-component protein complexes formed plurality of molecules of one of the aegerolysins ostreolysin A6 [OlyA6], pleurotolysin A2 [PlyA2] and erylysin A [EryA] w plurality of molecules of pleurotolysin B [PlyB] or similar proteins, which have been shown to be toxic for the aforementi agricultural pest insects.

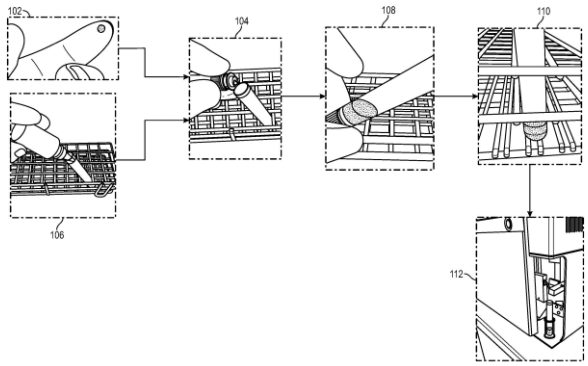


21: 2020/02277. 22: 2020/05/04. 43: 2025/02/26
51: H04L; H04W
71: QUALCOMM Incorporated
72: LEE, Soo Bum, ESCOTT, Adrian Edward, PALANIGOUNDER, Anand
33: US 31: 62/567,086 32: 2017-10-02
54: INCORPORATING NETWORK POLICIES IN KEY GENERATION
00: -
The present disclosure provides techniques that may be applied, for example, for providing network policy information in a secure manner. In some cases, a UE may receive a first message for establishing a secure connection with a network, wherein the first message comprises network policy information, generate a first key based in part on the network policy information, and use the first key to verify the network policy information.

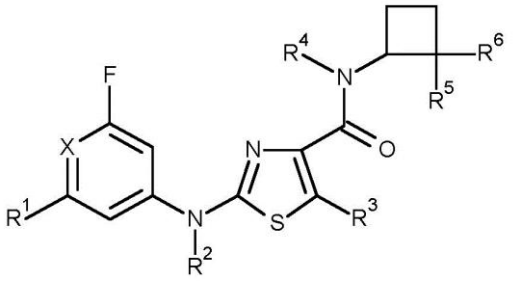


21: 2020/02371. 22: 2020/05/04. 43: 2025/02/26
51: G01N; A61B; B01L
71: Beckman Coulter, Inc.
72: MALERGUE, Fabrice, BUSNEL, Jean Marc
33: US 31: 62/554,225 32: 2017-09-05
54: COLLECTION AND PREPARATION OF BLOOD SAMPLES FOR POINT-OF-CARE DIAGNOSTICS
00: -
This disclosure is directed to methods and devices (300) associated with Point of Care medical testing and diagnostics. More specifically, methods and devices are described which provide a quick and streamlined way to prepare blood samples for analysis using flow cytometers, microscopes, and other analysis platforms. The benefits include a reduction in the time, resources, and expertise needed for preparing those blood samples without

compromising the accuracy and efficacy of diagnosing diseases or identifying specific particulates from those blood samples.

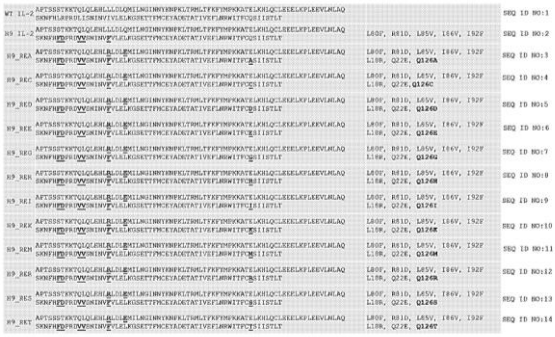


21: 2020/02744. 22: 2020/05/13. 43: 2025/02/26
51: A01N; C07D
71: Syngenta Participations AG
72: POULIOT, Martin, RENDINE, Stefano
33: EP(CH) 31: 17204474.5 32: 2017-11-29
54: MICROBIOCIDAL THIAZOLE DERIVATIVES
00: -
Compounds of the formula (I), (I) wherein the substituents are as defined in claim 1, useful as pesticides, and especially fungicides.



(I)

21: 2020/02827. 22: 2020/05/15. 43: 2025/02/26
51: A61K; C07K; C12N
71: The Board of Trustees of the Leland Stanford Junior University
72: GARCIA, Kenan Christopher, MAJRI, Sonia S., GLASSMAN, Caleb R., SU, Leon Lih-Ren
33: US 31: 62/589,497 32: 2017-11-21
54: PARTIAL AGONISTS OF INTERLEUKIN-2
00: -
Provided herein, inter alia, are human interleukin-2 (IL-2) muteins or variants thereof. In particular, provided herein are IL-2 muteins that have a decreased binding capacity for IL-2R_Y. Such IL-2 muteins are useful, for example, as IL-2 partial agonist in applications where reduction or inhibition of one or more IL-2 and/or IL- 15 functions is useful (*e.g.*, in the treatment of autoimmune diseases or conditions). Also provided are nucleic acids encoding such IL-2 muteins, methods of making such IL-2 muteins, pharmaceutical compositions that include such IL-2 muteins and methods of treatment using such pharmaceutical compositions.



21: 2020/02884. 22: 2020/05/18. 43: 2025/02/26
51: A61M
71: S2Medical AB, Absorbest AB
72: SIVLER, Petter, SKOG, Mårten, CONTI, Luca, KARLSSON, Hans, ROVANIEMI, Rolf
33: IT 31: 102017000120992 32: 2017-10-25
54: APPARATUS FOR NEGATIVE PRESSURE WOUND THERAPY
00: -
Apparatus (1) for negative pressure wound therapy (NPWT), comprising a pump (3), a sealed wound cover (5) applicable to a wound (2), and at least a tube (7) connecting said pump (3) to said sealed wound cover (5) for generating a negative pressure within said sealed wound cover (5). According to the invention the tube (7) comprises at least a longitudinal segment (70) which is at least partially filled in with an absorbent material (9) adapted to absorb wound fluids coming from said wound (2) and travelling along said tube (7).

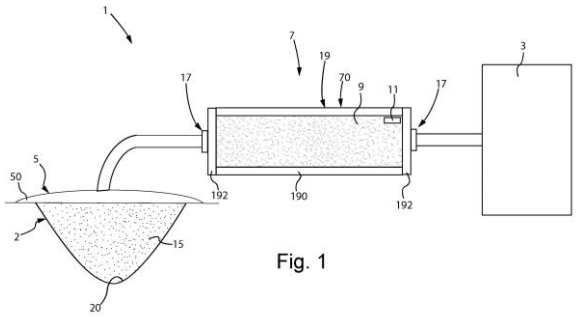
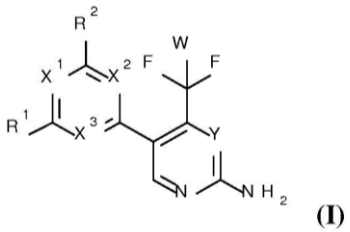


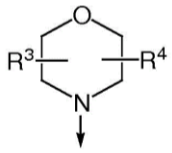
Fig. 1

21: 2020/02910. 22: 2020/05/19. 43: 2025/02/26
51: A61K; A61P
71: Torqur AG
72: FABBRO, Doriano, HILLMANN-WÜLLNER, Petra, STÜTZ, Anton
33: EP(CH) 31: 17203386.2 32: 2017-11-23
54: TREATMENT OF SKIN DISORDERS
00: -

The present invention relates to a compound of formula (I), wherein X^1, X^2 and X^3 are, independently of each other, N or CH; with the proviso that at least two of X^1X^2 and X^3 are N; Y is N or CH; W is H or F; with the proviso that when W is F, then X^1, X^2 and X^3 are N; R^1 and R^2 are independently of each other (i) a morpholinyl of formula (II) wherein the arrow denotes the bond in formula (I); and wherein R^3 and R^4 are independently of each other H, C_1-C_3alkyl optionally substituted with one or two OH, C_1-C_2fluoroalkyl, C_1-C_2alkoxy, C_1-C_2alkoxyC_1-C_3alkyl, CN, or C(0)0-C_1- C_2alkyl; or R^3 and R^4 form together a bivalent residue -R^5R^6- selected from C_1-C_3alkylene optionally substituted with 1 to 4 F, -CH_2-0-CH_2-, -CH_2-NH-CH_2-, or any of the structures wherein the arrows denote the bonds in formula (II); or (ii) a saturated 6-membered heterocyclic ring Z selected from thiomorpholinyl and piperazinyl, optionally substituted by 1 to 3 R^7; wherein R^7 is independently at each occurrence C_1-C_3alkyl optionally substituted with one or two OH, C_1-C_2fluoroalkyl, C_1- C_2alkoxyC_1-C_3alkyl, C_3-C_6cycloalkyl; or two R^7 substituents form together a bivalent residue -R^8R^9- selected from C_1-C_3alkylene optionally substituted with 1 to 4 F, -CH_2-0-CH_2- or -0- CH_2CH_2-0-; with the proviso that at least one of R^1 and R^2 is a morpholinyl of formula II; and prodrugs, metabolites, tautomers, solvates and pharmaceutically acceptable salts thereof, for use in a method of treating a skin disorder in a subject, wherein said skin disorder is a genodermatosis, a vascular anomaly or a skin disorder selected from scleroderma, sclerodermatous chronic graft-versus-host disease, lichen sclerosus, lichen planus, lichen ruber planus and scars.



(I)



(II)

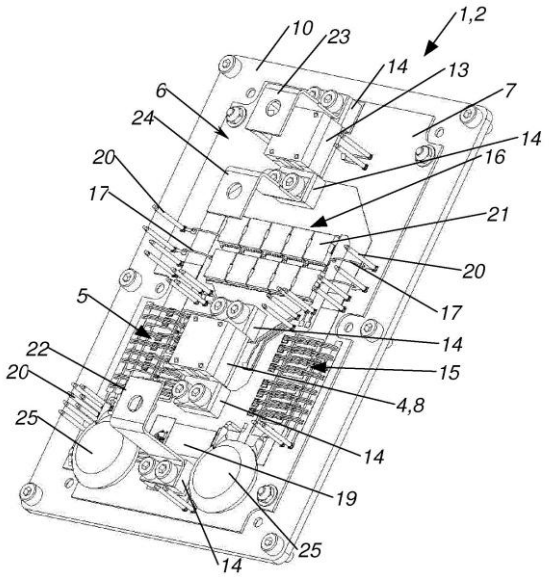

;

21: 2020/02957. 22: 2020/05/20. 43: 2025/02/26
51: A61K; A61P; C07D
71: Helsinn Healthcare SA
72: GARCIA RUBIO, Silvina, PERSEGHINI, Mauro, GUAINAZZI, Angelo, PIETRA, Claudio, GIULIANO, Claudio
33: US 31: 62/597,236 32: 2017-12-11
54: FUMARATE SALT OF (R)-3-(1-(2,3-DICHLORO-4-(PYRAZIN-2-YL)PHENYL)-2,2,2-TRIFLUOROETHYL)-1-METHYL-1-(1-METHYLPIPERIDIN-4-YL) UREA, METHODS OF PREPARATION, AND USES THEREOF
00: -

Provided are various embodiments relating to fumarate salt of (R)-3-(1-(2,3-dichloro-4-(pyrazin-2-yl)phenyl)-2,2,2-trifluoroethyl)-1-methyl-1-(1-methylpiperidin-4-yl) urea, and methods of producing and using the same to treat conditions and disorders associated with an increase of ghrelin level, such as food abuse, alcohol addiction, and other disorders (e.g., Prader-Willi syndrome). Also provided are various embodiments relating to crystalline HM04 free base, different crystalline forms of HM04 fumarate salt, and methods of producing the same.

21: 2020/02997. 22: 2020/05/21. 43: 2025/02/26

51: H01H; H01L; H02H; H05K
71: Eaton Intelligent Power Limited
72: ASKAN, Kenan
33: DE 31: 10 2017 127 076.0 32: 2017-11-17
54: MECHATRONIC MODULE HAVING A HYBRID CIRCUIT ARRANGEMENT
00: -
In a mechatronic module (1) having a hybrid circuit arrangement (2), the hybrid circuit arrangement (2) has at least one interrupter (3), which interrupter (3) comprises at least one first mechanical switch (4) and at least one first semiconductor circuit arrangement (5), wherein the hybrid circuit arrangement (2) is situated on a first face (6) of a ceramic substrate (7); a second face, opposite the first face (7), of the ceramic substrate (7) is connected to a metal plate (10), in particular a copper plate; a housing shell (11) is fastened to the metal plate (10) and encloses the ceramic substrate (7) and the hybrid circuit arrangement (2); the metal plate (10) and the housing shell (11) form a housing (12) of the mechatronic module (1); and interstices within the housing (12) are filled at least in some regions with a potting compound.



21: 2020/03239. 22: 2020/05/29. 43: 2025/02/26
51: C08L
71: Sasol Wax GmbH
72: PIEPER, Oliver, VEIT, Mark, HAAS, Thomas, GURR, Julius, KRAUSE, Andreas
33: EP(DE) 31: 17206284.6 32: 2017-12-08
54: WOOD PLASTIC COMPOSITE COMPOSITION COMPRISING A WAX COMPOSITION, METHOD FOR PRODUCING A WOOD PLASTIC COMPOSITE THEREFROM AND THE USE OF WAX COMPOSITIONS AS LUBRICANTS FOR THE PRODUCTION OF WOOD PLASTIC COMPOSITES
00: -
The invention relates to wood plastic composite compositions comprising a wax composition, wherein the wood plastic composite composition has superior properties in the processing thereof. The wax composition is characterized by its dynamic viscosity at 120° C, congealing point, content of molecules in which the carbon chain is linear and content of oxidized hydrocarbons.

21: 2020/03386. 22: 2020/06/05. 43: 2025/02/26
51: A61K; A61P
71: Pandion Operations, Inc.
72: HIGGINSON-SCOTT, Nathan, VINEY, Joanne L., VISWESWARAIAH, Jyothsna, SAMPSON, Erik Robert, OTIPOBY, Kevin Lewis
33: US 31: 62/595,357 32: 2017-12-06
54: IL-2 MUTEINS AND USES THEREOF
00: -
Described herein are therapeutics that can modulate (e.g. increase) T-reg cell proliferation, survival, activation and/or function. In some embodiments, the modulation is selective or specific for the T-reg cells. The present application provides for IL-2 muteins, compositions comprising the same, and methods of using the same. In another aspect, the present embodiments provide compositions, e.g., pharmaceutically acceptable compositions, which include a therapeutic compound (IL-2 mutein) described herein, formulated together with a pharmaceutically acceptable carrier. Also within the scope of the invention is a kit comprising a therapeutic compound described herein.

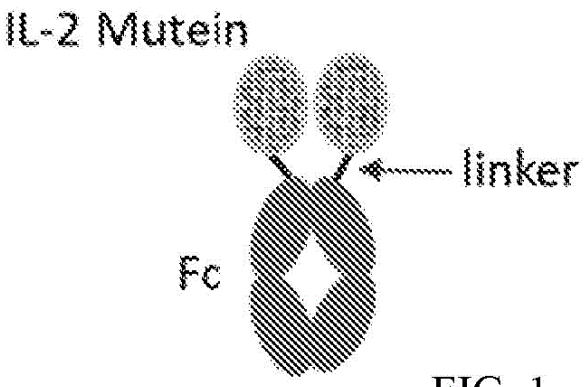


FIG. 1

21: 2020/03486. 22: 2020/06/10. 43: 2025/02/26
51: A01K
71: Sølvpilen AS
72: EMBLEM, Knut Arild
33: NO 31: 20172021 32: 2017-12-20
54: FISH FARM AND METHOD FOR OPERATION
00: -
A fish farm having a land-based fish tank (1a-e) and a water supply system (100) with a supply line (2C,D) and a discharge line (2A,B) fluidly connected to a water reservoir (3); a fluid intermediate storage (5,6, 56); a circulation conduit (9a-f) fluidly connected to the fish tank (1a-e); a valve arrangement (10a-p) fluidly connected to the supply line (2C,D), the discharge line (2A,B), the fluid intermediate storage (5,6, 56) and the circulation conduit (9a-f), the valve arrangement (10a-p) having first and second operational configurations for circulation of fluid between the fluid intermediate storage (5,6, 56) and the tank (1a-e) via the circulation conduit (9a-f) and for circulation of fluid between the fluid intermediate storage (5,6, 56) and the reservoir (3) via the supply and discharge lines (2A-D). There is also provided a method for operating a fish farm having at least one land-based fish tank.

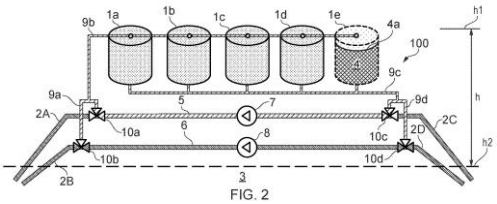


FIG. 2

21: 2020/03510. 22: 2020/06/11. 43: 2025/02/26
51: A47K; B65H
71: HAGLEITNER, Hans Georg
72: HAGLEITNER, Hans Georg
33: AT 31: A 51080/2017 32: 2017-12-22
54: REFILL FOR A DISPENSER
00: -
The invention relates to a refill for a dispenser (1), comprising a material web which is wound into a roll (10) and at least one bearing journal (12) which is substantially axially movable. The at least one substantially axially movable bearing journal (12) can be moved outwards in a substantially axial direction away from the roll (10) starting from a defined inner final position (I), in which the bearing journal protrudes axially beyond the roll (10). The invention additionally relates to a bearing unit for such a refill and to a dispenser for receiving the refill and discharging the material web (15).

Fig. 16a

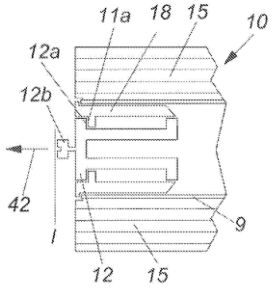
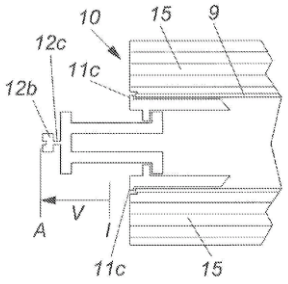
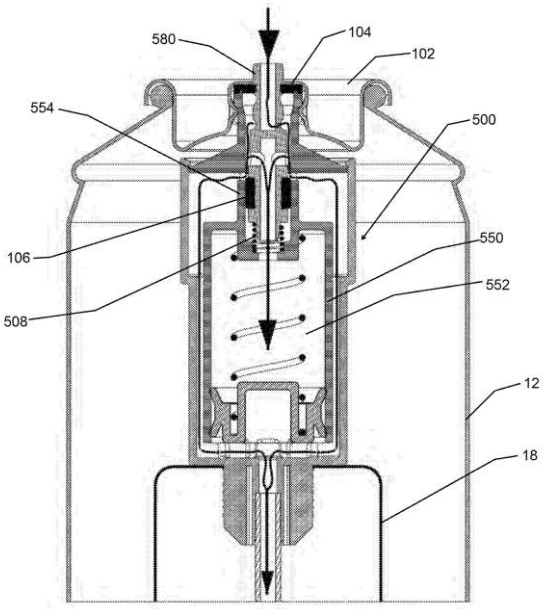


Fig. 16b



21: 2020/03679. 22: 2020/06/18. 43: 2025/02/26
51: B65D
71: Precision Valve Corporation
72: PLASCHKES, Ran, BAUER, Kai Theo, HEETFELD, Rainer
33: US 31: 62/607,741 32: 2017-12-19
54: METERED VALVE FOR DISPENSING PRODUCT
00: -
The present device dispenses product from a pressurized container. The device has a metered valve that dispenses a predetermined fixed quantity of product upon actuation. The metered valve can be configured by the customer with a spacer to affect the amount of product continually metered.



21: 2020/03694. 22: 2020/06/19. 43: 2025/02/20
51: A24F; A61M
71: Nicoventures Trading Limited
72: BALLESTEROS GOMEZ, Pablo Javier, PHILLIPS, Jeremy
33: GB 31: 1612945.4 32: 2016-07-26
54: METHOD OF GENERATING AEROSOL
00: -
Provided herein is a method of generating aerosol from an aerosol-generating substrate using an aerosol-generating device with at least one heat source disposed to heat, but not burn, the aerosol-generating substrate in use. The aerosol-generating substrate has first and second portions having substantially the same composition, and/or has first and second portions and there is no physical separation between the portions. The method includes heating the aerosol-generating substrate in the aerosol-generating device, so that a temperature profile of the first portion of the aerosol-generating substrate during heating is different from a temperature profile of the second portion of the aerosol-generating substrate.

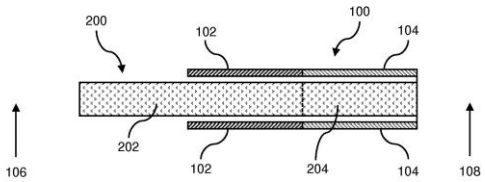


FIG. 1

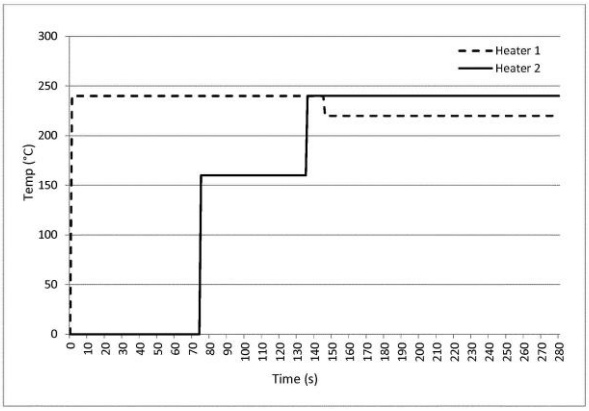


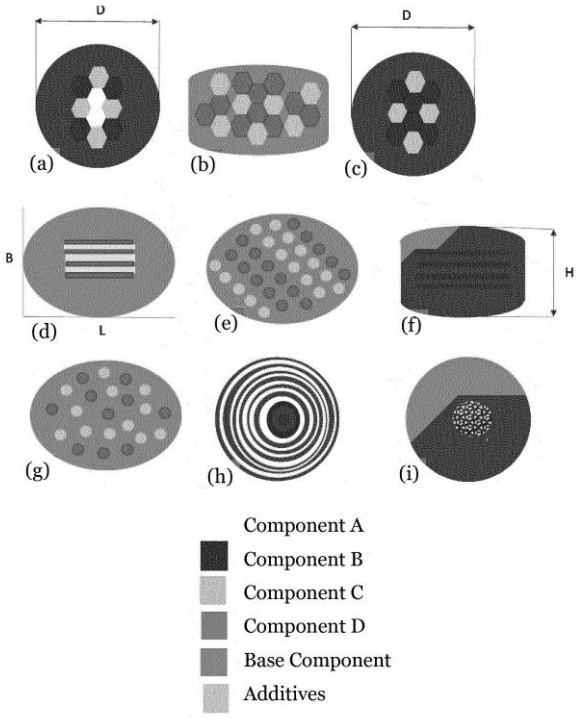
FIG. 2

21: 2020/03708. 22: 2020/06/19. 43: 2025/02/26
51: A23C; A23F; A23L
71: Société des Produits Nestlé S.A.
72: BEZELGUES, Jean-Baptiste, OCTAVIA, Winnie, NELSON, Richard, FU, Xiaoping, FU, Jun-Tse Ray, SHER, Alexander A.
33: US 31: 62/593,331 32: 2017-12-01
54: CREAMERS WITH IMPROVED TEXTURE/MOUTHFEEL AND METHOD OF MAKING THEREOF
00: -
The present invention relates to beverage products, in particular a liquid non-dairy creamer composition comprising high oleic oils; micellar casein; emulsifiers comprising a mixture of mono- and di-glycerides and diacetyl tartaric acid esters of mono- and di-glycerides; and hydrocolloids comprising a mixture of carrageenan, microcrystalline cellulose and carboxymethyl cellulose.

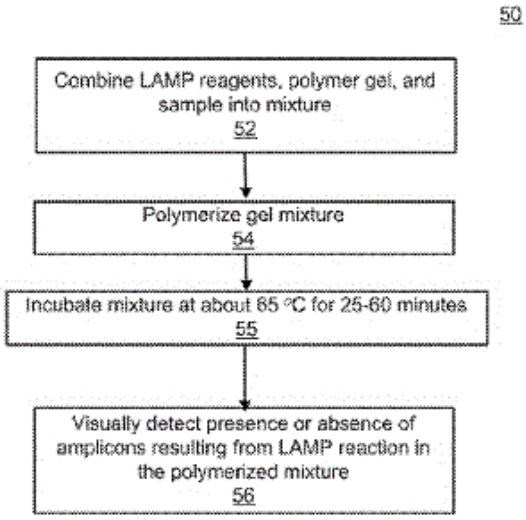
21: 2020/03769. 22: 2020/06/22. 43: 2025/02/26
51: A61K; A61P; C07D
71: AC Immune SA
72: NAMPALLY, Sreenivasachary, GABELLIERI, Emanuele, MOLETTE, Jérôme

33: EP(CH) 31: 18150422.6 32: 2018-01-05
54: 1, 3, 4, 5-TETRAHYDRO-2H-PYRIDO[4,3-B]INDOLE DERIVATIVES FOR THE TREATMENT, ALLEVIATION OR PREVENTION OF DISORDERS ASSOCIATED WITH TAU AGGREGATES LIKE ALZHEIMER'S DISEASE
00: -
The present invention relates to novel compounds that can be employed in the treatment, alleviation or prevention of a group of disorders and abnormalities associated with Tau (Tubulin associated unit) protein aggregates including, but not limited to, Neurofibrillary Tangles (NFTs), such as Alzheimer's disease (AD).

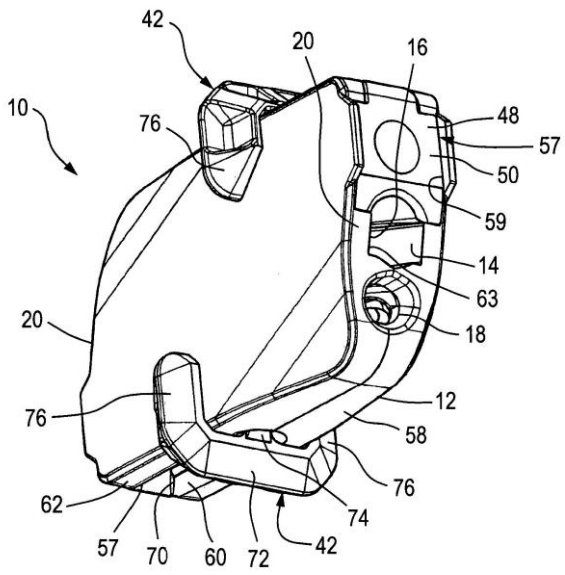
21: 2020/03904. 22: 2020/06/26. 43: 2025/02/26
51: A61K
71: Laxxon Medical AG, Exentis Knowledge GmbH
72: SCHNEEBERGER, Prof. Dr. Achim, KÜHNE, Klaus, KERSCHBAUMER, Helmut, VASIC, Srdan
54: DRUG DELIVERY SYSTEM
00: -
The present invention relates to a drug delivery system, in particular for a controlled administration of one or more active pharmaceutical ingredients to a body, and further in particular for oral administration of one or more active pharmaceutical ingredients to a body. The system thereby comprises a base component soluble in body fluids and a separate first component soluble in body fluids. The first component thereby comprises a therapeutically effective amount of a first active pharmaceutical ingredient.



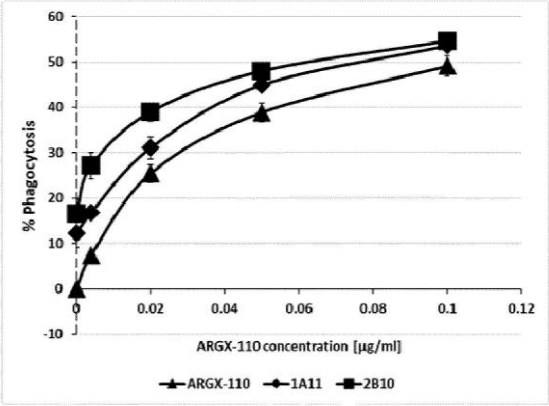
21: 2020/03919. 22: 2020/06/26. 43: 2025/02/13
51: C12Q
71: CALIFORNIA INSTITUTE OF TECHNOLOGY
72: HUANG, XIAO, HOFFMAN, MICHAEL R
33: US 31: 62/612,978 32: 2018-01-02
54: LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) BASED ASSAY FOR DETECTING MICROBES
00: -
A method and system are disclosed for detecting microbial pathogens in a sample suspected of containing the pathogens. The method includes combining loop-mediated isothermal amplification (LAMP) reagents and a polymer gel, such as a hydrogel, together with the sample to form a mixture. The gel polymerizes over a short time to immobilize the viral particles within the mixture. If target DNA/RNA are present in the sample, amplicons are produced. The target microorganisms are detected by visually detecting the presence or absence of the amplicons. The target microorganism concentrations may be determined based on the number of fluorescent amplicon dots after the reaction using a smartphone or a fluorescent microscope. The method may be employed for rapidly and inexpensively quantifying microbial pathogens in environmental water samples with high sensitivity.



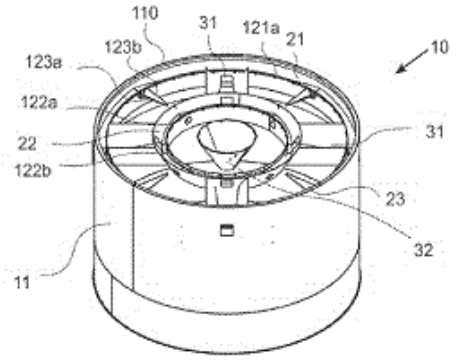
21: 2020/03985. 22: 2020/06/30. 43: 2025/02/26
51: F16G
71: Gripple Limited
72: FISHER, Thomas Edward, GIEMZA, Lee
33: GB 31: 1801759.0 32: 2018-02-02
54: CLAMPING DEVICE
00: -
A clamping device (10) for clamping an elongate article (100) is disclosed. The damping device (10) comprises a body (12) and a clamping arrangement (26) in the body (12). The damping arrangement (26) comprises a clamping member (28) and an urging member (30) for urging the clamping member (2B) into clamping engagement with the elongate article (100). The body (12) has a reaction formation (56) along which the elongate article (100) can extend. The reaction formation (56) applies a reaction force to the elongate article (100) when so engaged by the clamping member (28). The clamping device (10) further includes a carriage (32) on which the damping member (28) is provided, and a release member (42) on the carriage (32) for releasing the damping member (28) from engagement with the elongate article (100). The release member (42) extends outwardly from the body (12).



21: 2020/03986. 22: 2020/06/30. 43: 2025/02/04
51: A61K; A61P; C07K
71: argenx BVBA
72: VAN ROMPAEY, Luc, MOSHIR, Mahan, ZABROCKI, Piotr, DELAHAYE, Tim
33: GB 31: 1800649.4 32: 2018-01-16
54: CD70 COMBINATION THERAPY
00: -
The present disclosure relates to combination therapies for the treatment of malignancy, particularly myeloid malignancy such as acute myeloid leukemia (AML). The combination therapies may include an antibody molecule that binds to CD70 and at least one antibody molecule that binds to a leukemic stem cell target. Preferred leukemic stem cell targets are TIM-3, IL1 R3/IL1 RAP and CD47.

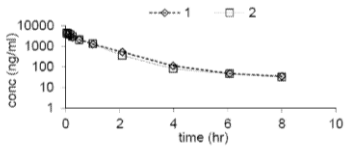


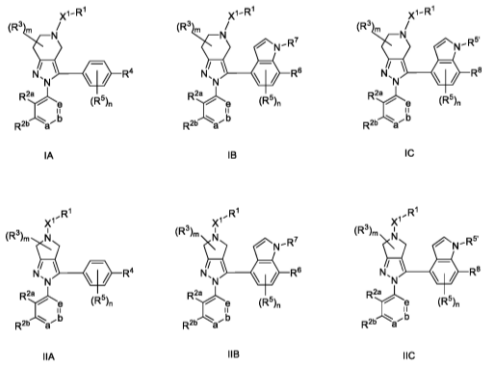
21: 2020/05564. 22: 2020/09/08. 43: 2025/02/10
51: B03D
71: METSO OUTOTEC FINLAND OY
72: RINNE, ANTTI
54: FROTH FLOTATION CELL
00: -
A froth flotation cell (10) for treating mineral ore particles suspended in slurry (100) is presented,comprising a tank (11),a gas supply (12), a first froth collection channel (21), a second froth collection channel (22) arranged between the centre (111) of the tank (11) and the first froth collection channel (21), and a radial froth collection launder (23) comprising a radial froth overflow lip (123a), and extending from the first froth collection channel (21) towards the second froth collection channel (22). The froth flotation cell (10) further comprises a radial froth crowder (31) comprising a crowding sidewall (310), and extending from the second froth collection channel (22) to the first froth collection channel (21). Further, a froth flotation line (1), its use and a froth flotation method are presented.



21: 2020/06077. 22: 2020/09/30. 43: 2025/03/06
51: A61K; C12N
71: BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
72: GEORGIOU, George, STONE, Everett, BLAZECK, John, KARAMITROS, Christos
33: US 31: 62/658,261 32: 2018-04-16
54: HUMAN KYNURENINASE ENZYMES AND USES THEREOF
00: -
Methods and compositions related to the use of a protein with kynureninase activity are described. For example, in certain aspects there may be disclosed a modified kynureninase capable of degrading kynurenine. Furthermore, certain aspects of the invention provide compositions and methods for the treatment of cancer with kynurenine depletion using the disclosed proteins or nucleic acids.

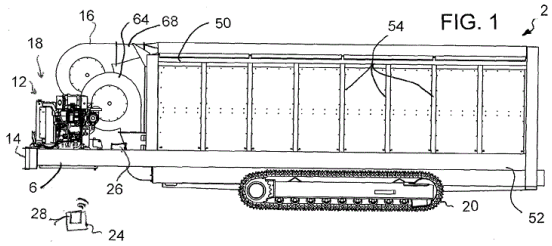
21: 2020/06154. 22: 2020/10/05. 43: 2025/03/05
51: A61K; C07D
71: CHEMOCENTRYX, INC.
72: FAN, Pingchen, LUI, Rebecca M., SINGH, Rajinder, MALI, Venkat Reddy, ZENG, Yibin, ZHANG, Penglie
33: US 31: 62/651,512 32: 2018-04-02
54: PRODRUGS OF FUSED-BICYCLIC C5AR ANTAGONISTS
00: -
The present disclosure provides, inter alia, Compounds of Formulae IA, IB, IC, IIA, IIB and IIC or pharmaceutically acceptable salts thereof that are modulators of the C5a receptor. Also provided are pharmaceutical compositions and methods of use including the treatment of diseases or disorders involving pathologic activation from C5a and non-pharmaceutical applications.



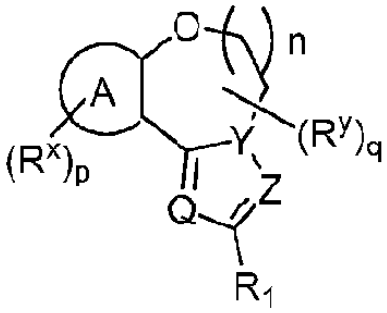


21: 2020/06406. 22: 2020/10/15. 43: 2025/01/31
51: A61K; A61P
71: Estetra SPRL
72: TAZIAUX, Melanie, RAUSIN, Glwadys, JOST, Maud, MAWET, Marie
33: EP(BE) 31: 18168336.8 32: 2018-04-19
54: COMPOUNDS AND THEIR USES FOR ALLEVIATING MENOPAUSE-ASSOCIATED SYMPTOMS
00: -
The present invention relates to a hormone replacement therapy, to the associated compounds and to the associated packaging units,for alleviating menopause-associated symptoms which is based on the administration to a female mammal of an estetrol component at specified daily doses, optionally in combination with a progestogenic component. The therapy enjoys a statistically significant efficacy combined with a favourable profile for side effects compared to currently available methods for alleviating menopause-associated symptoms.

21: 2020/06982. 22: 2020/11/10. 43: 2025/02/10
51: F23G C01B
71: TIGERCAT INDUSTRIES INC.
72: RAGNARSSON, Anders
33: US 31: 62/658,207 32: 2018-04-16
54: PORTABLE COMBUSTION/PYROLIZATION SYSTEM WITH FIRST AND SECOND AIR SOURCES
00: -
A combustion/pyrolization system comprising a combustion/pyrolization chamber supported by the base frame, and a perforated grate forms a bottom surface of the combustion/pyrolization chamber and facilitates passage of char and boichar therethrough. The combustion/pyrolization chamber is open along at a top and an air manifold supplies a first source of combustion air across the top of the combustion/pyrolization chamber to form an air curtain. A char collection/transfer chamber is located below the perforated grate for collecting at least the char and boichar that passes therethrough, and a conveying mechanism transfers the char and boichar out of the combustion/pyrolization system for collection and use. An air plenum chamber cools the char collection/transfer chamber such that the supplied secondary air becomes heated, and the heated secondary air flows into the char collection/transfer chamber and through the perforated grate into the combustion/pyrolization chamber to provide secondary combustion air.



21: 2020/07072. 22: 2020/11/12. 43: 2025/03/06
51: A61K; C07D; A61P
71: JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD, SHANGHAI HANSOH BIOMEDICAL CO., LTD.
72: GAO, Peng, SUN, Guangjun, WANG, Shaobao, XIU, Wenhua, TAN, Songliang, BAO, Rudi
33: CN 31: 201810541998.4 32: 2018-05-30
33: CN 31: 201810772171.4 32: 2018-07-13
33: CN 31: 201811142142.6 32: 2018-09-28
33: CN 31: 201910176302.7 32: 2019-03-08
54: INHIBITOR CONTAINING TRICYCLIC DERIVATIVE, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF
00: -
An inhibitor containing a tricyclic derivative, a preparation method therefor and a pharmaceutical composition comprising the inhibitor, as well as a use thereof as a phosphoinositide 3 kinase (PI3K) inhibitor in the treatment of cancer and diseases or conditions mediated by or dependent on PI3K imbalance.



(I)

21: 2020/07136. 22: 2020/11/16. 43: 2025/02/03
51: C12C
71: NOVOZYMES A/S
72: ANDERSEN, JESPER KJELDGAARD, VISIGALLI, CLAUDIO
33: EP 31: 18172622.5 32: 2018-05-16
54: METHOD FOR PRODUCTION OF BREWERS WORT
00: -
A method of producing a brewer's wort without using malted grains comprising: a) Providing a mash from a grist comprising sorghum; b) Adding an alpha-amylase and a glucoamylase to the mash; c) Performing an infusion mashing; d) Obtaining a wort with more than 75% (w/w) glucose compared to the initial total carbohydrate of the grist, and wherein the glucoamylase has at least 70% identity to the sequence shown in SEQ ID NO: 1.

21: 2020/07149. 22: 2020/11/17. 43: 2025/02/19
51: A61K; A61P
71: Matrix Biology Institute
72: BELMONTE, Carlos, DENLINGER, Janet L.
33: US 31: 62/232,364 32: 2015-09-24
54: HIGH ELASTICITY HYALURONAN COMPOSITIONS AND METHODS OF USE THEREOF
00: -
The present invention provides methods for alleviating pain and discomfort associated with a dry eye condition; methods for alleviating pain and discomfort while minimizing at least one skin imperfection; and methods for alleviating pain and discomfort while facilitating wound healing. The methods involve administering to a subject in need thereof a composition comprising hyaluronan with high elasticity.

21: 2020/07246. 22: 2020/11/20. 43: 2025/02/03
51: C07K; A61K
71: GENENTECH, INC.
72: HOTZEL, ISIDRO, JUNTTILA, TEEMU T, LI, JI, SCHEER, JUSTIN, DICARA, DANIELLE, ELLERMAN, DIEGO, SPIESS, CHRISTOPH, CARTER, PAUL
33: US 31: 62/180,459 32: 2015-06-16
54: HUMANIZED AND AFFINITY MATURED ANTIBODIES TO FCRH5 AND METHODS OF USE
00: -
The present invention relates to anti-FcRH5 antibodies, including anti-FcRH5 antibodies comprising an FcRH5 binding domain and a CD3 binding domain (e.g., FcRH5 T cell-dependent bispecific (TDB) antibodies), and methods of using the same.

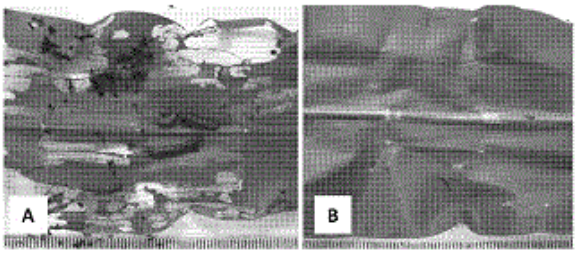
21: 2020/07264. 22: 2020/11/20. 43: 2025/02/03
51: A61K; A61P
71: NEOVACS, INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), INSTITUT PASTEUR
72: GROUARD-VOGEL, GÉRALDINE, CONDE GARCÌA, EVA, BERTRAND, ROMAIN, CAILLOT, NOÉMIE, REBER, LAURENT, BRUHNS, PIERRE, SERRA, VINCENT
33: EP 31: PCT/EP2019/050154 32: 2019-01-04
33: EP 31: 18305651.4 32: 2018-05-29
33: US 31: 62/677,290 32: 2018-05-29
54: IMMUNOGENIC PRODUCT COMPRISING IL-4 AND/OR IL-13 FOR TREATING DISORDERS ASSOCIATED WITH ABERRANT IL-4 AND/OR IL 13 EXPRESSION OR ACTIVITY
00: -
The present invention relates to an immunogenic product comprising a cytokine conjugated with a carrier protein, wherein the cytokine is selected from the group comprising IL-4, IL-13 and mixtures thereof, and wherein the carrier protein is CRM197. The present invention further relates to a method for manufacturing the immunogenic product of the invention. The present invention also relates to the therapeutic use of the immunogenic product of the invention for treating an inflammatory disorder associated with aberrant IL-4 and/or IL-13 expression or activity.

21: 2020/07440. 22: 2020/11/30. 43: 2025/02/20
51: A61K

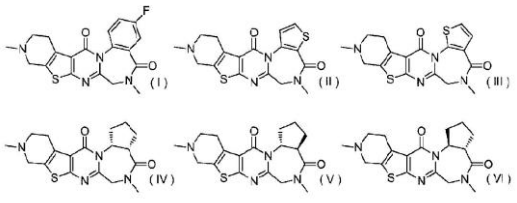
71: ImmunoGen, Inc.
72: CARRIGAN, Christina N., WHITEMAN, Kathleen R., PAYNE, Gillian, LADD, Sharron
33: US 31: 61/471,007 32: 2011-04-01
54: METHODS FOR INCREASING EFFICACY OF FOLR1 CANCER THERAPY
00: -
Methods to improve the success of cancer therapies that target the human folate receptor 1 are provided. Kits comprising reagent useful in the methods are further provided.

21: 2020/07485. 22: 2020/12/01. 43: 2025/02/10
51: A01N; A01P
71: CORTEVA AGRISCIENCE LLC
72: TU, FUQUAN, LI, MEI
33: US 31: 62/665,812 32: 2018-05-02
54: COMPOSITIONS CONTAINING GLUFOSINATE SALT AND A SYNTHETIC AUXIN HERBICIDE SALT
00: -
Aqueous herbicide compositions containing a salt of glufosinate and a salt of a synthetic auxin herbicide are described. Such compositions exhibit good compatibility and reduced viscosity. Methods of reducing the viscosity of an aqueous herbicide composition are also disclosed.

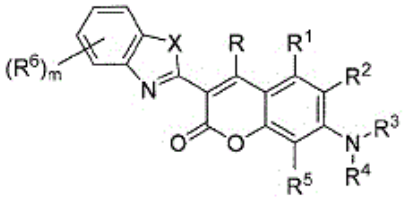
21: 2020/07619. 22: 2020/12/07. 43: 2025/02/10
51: C12N; A01H
71: EMPRESA BRASILEIRA DE PESQUISA AGROPECUÁRIA - EMBRAPA, HELIX SEMENTES E MUDAS LTDA.
72: PORTILHO CARNEIRO, NEWTON, HERCOS VALICENTE, FERNANDO, ALMEIDA CARNEIRO, ANDRÉA, WILLIANS NODA, ROBERTO, DE CÁSSIA ALVES, MEIRE, DE ALMEIDA BARROS, BEATRIZ
33: BR 31: BR 10 2018 009263 4 32: 2018-05-07
54: CODON-OPTIMISED CRY1DA NUCLEIC ACID MOLECULE, NUCLEIC ACID CONSTRUCT, VECTOR, HOST CELL, PLANT CELL, TRANSGENIC PLANT, METHOD FOR TRANSFORMING A CELL, METHOD FOR PRODUCING A TRANSGENIC PLANT, METHOD FOR CONTROLLING INVERTEBRATE PESTS OF CROP PLANTS, AND USES OF THE NUCLEIC ACID MOLECULE
00: -
The invention relates to novel cry1Da nucleic acid molecules which are codon-optimised on the basis of a gene sequence isolated from the Bacillus thuringiensis bacterium. These molecules are used to produce nucleic acid constructs, vectors and host cells, allowing the production of transgenic plants, such as corn, which are resistant to invertebrate pests, such as insects of the order Lepidoptera, particularly Spodoptera frugiperda (Noctuidae, Lepidoptera) and Diatrea saccharalis (Crambidae, Lepidoptera). The invention also relates to plant cells and transgenic plants comprising the molecules or the constructs according to the invention. Particularly, transgenic plants according to the present invention can control caterpillars of the above-mentioned species which have become resistant to the plants containing the gene cry1F. The invention further relates to a method for transforming a cell, to a method for controlling invertebrate pests of crop plants, and to the uses of the molecules or nucleic acid constructs for producing transgenic plants and for controlling invertebrate pests.



21: 2020/07737. 22: 2020/12/11. 43: 2025/02/20
51: A61K; A61P; C07D
71: Eisai R&D Management Co., Ltd.
72: OHASHI, Yoshiaki, NORIMINE, Yoshihiko, HOSHIKAWA, Tamaki, YOSHIDA, Yu, KOBAYASHI, Yoshihisa, SATO, Nobuhiro, HAGIWARA, Koji
33: JP 31: 2017-172169 32: 2017-09-07
54: PENTACYCLIC COMPOUND
00: -
The present invention provides the compound represented by formulas (I) - (VI), or a pharmacologically acceptable salt thereof.



21: 2020/07843. 22: 2020/12/15. 43: 2025/02/10
51: C07D; C07H; C09B
71: ILLUMINA CAMBRIDGE LIMITED
72: ROMANOV, NIKOLAI, MCCAULEY, PATRICK, HYNES, NIALL
33: US 31: 62/812,732 32: 2019-03-01
54: TERTIARY AMINE SUBSTITUTED COUMARIN COMPOUNDS AND THEIR USES AS FLUORESCENT LABELS
00: -
The present application relates to tertiary amine substituted coumarin derivatives of formula (I) and their uses as fluorescent labels. These compounds may be used as fluorescent labels for nucleotides in nucleic acid sequencing applications.

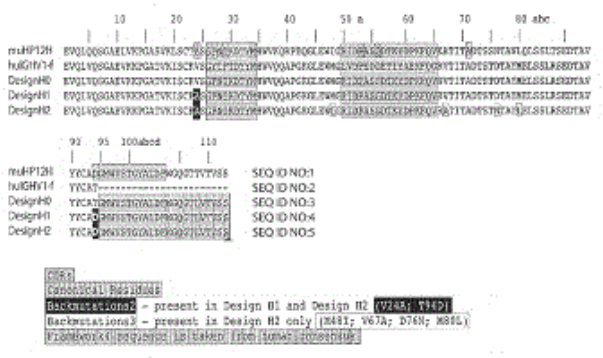


(I)

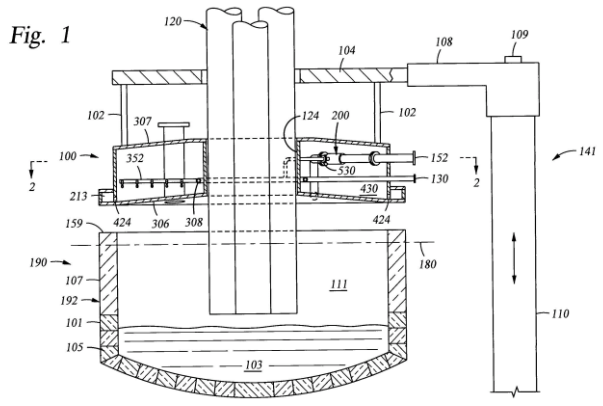
21: 2020/07873. 22: 2020/12/17. 43: 2025/02/21
51: G01N; B07C; B07B; B65G; G01V
71: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
72: COGHILL, PETER, TICKNER, JAMES, TISSOT, CHANEL, CARTER, IAN, CUTMORE, NICHOLAS
33: AU 31: 2019904774 32: 2019-12-17
54: RAPID ORE ANALYSIS TO ENABLE BULK SORTING USING GAMMA-ACTIVATION ANALYSIS
00: -
An apparatus for bulk ore sorting using gamma activation analysis is disclosed. The apparatus includes a conveyor system that includes one or more conveyor belts, surrounded by one or more radiation shields, to transport ore material along a transport path. A pulsed X-ray radiation source is configured to irradiate ore material at an irradiation region and one or more detectors are configured to detect a gamma radiation output from irradiated ore material at a detection region. The transport path has a bend, located between the irradiation region and the detection region, and about a vertical axis, of at least 45 degrees. The one or more detectors are configured to detect a radiation output from the irradiated ore material at times between X-ray pulses of the pulsed X-ray radiation source irradiating the ore material.

21: 2020/07900. 22: 2020/12/17. 43: 2025/02/10
51: A21D; A23P
71: NOVOZYMES A/S, PURATOS NV/SA
72: SIMONSEN, OLE, LARSON, KATARINA, HANSEN, KJERSTI SLOT, LUNDBERG, KARINA, VAN CAELENBERG, TIM, VANHUELE, ISABEL
33: EP 31: 18175748.5 32: 2018-06-04
54: SOLID ENZYMATIC ARTICLE FOR USE IN BAKING
00: -
The invention provides a method for preparing a solid enzymatic unit-dose article for use in baking, which is capable of disintegrating/dissolving during preparation of a dough or a batter.

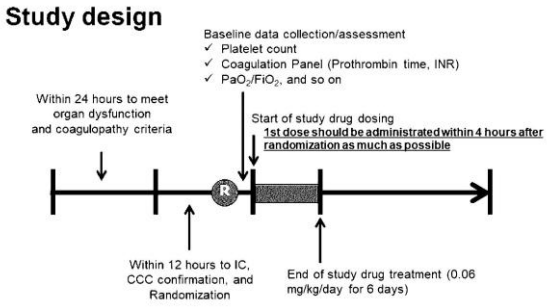
21: 2020/08063. 22: 2020/12/23. 43: 2025/02/10
51: A01H
71: BIOGEN MA INC.
72: FERRANT-ORGETTAS, JANINE LISA, PEPINSKY, ROBERT BLAKE, CAHIR-MCFARLAND, ELLEN DUGGAN, D'LIMA, NADIA GISELLE, ARNDT, JOSEPH WALTER, HANF, KARL JOHN MORTLEY, CAMERON, THOMAS OWEN, STARK, ELLEN GARBER
33: US 31: 62/833,319 32: 2019-04-12
33: US 31: 62/782,876 32: 2018-12-20
33: US 31: 62/680,466 32: 2018-06-04
54: ANTI-VLA-4 ANTIBODIES HAVING REDUCED EFFECTOR FUNCTION
00: -
The invention relates to anti-VLA-4 antibodies and binding fragments thereof. The invention further includes polynucleotides encoding said antibodies and binding fragments thereof and methods of manufacturing said antibodies and binding fragments thereof. The invention further includes methods of treating patients suffering from multiple sclerosis and/or epilepsy by administration of said antibodies and binding fragments thereof. The invention further includes methods of reducing the susceptibility to scrambling of a recombinant anti-alpha 4 antibody or a binding fragment thereof.



21: 2021/01702. 22: 2021/03/12. 43: 2025/02/12
51: F27B; F27D
71: Systems Spray-Cooled, Inc.
72: FERGUSON, Scott A., WARD, Troy D.
33: US 31: 62/752,057 32: 2018-10-29
54: DRAIN PUMP FOR A SPRAY-COOLED METALLURGICAL FURNACE
00: -
An apparatus is disclosed for a spray-cooled roof of a tilting metallurgical furnace having a drain pump. The spray-cooled roof has a hollow metal roof section. The hollow metal roof section has an outer metal covering member, an inner metal base member spaced from and opposite the outer metal covering member, an enclosed space disposed between the outer metal covering member and the inner metal base member, and a spray-cooled system disposed in the enclosed space. An evacuation drain is fluidly coupled to the enclosed space and a pump is integrated into the spray-cooled roof and coupled to the evacuation drain.

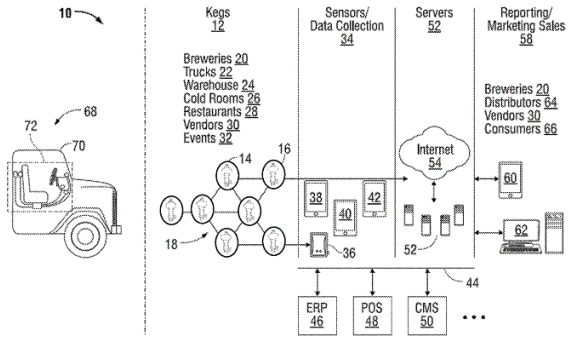


21: 2021/02392. 22: 2021/04/12. 43: 2025/02/21
51: A61K; A61P
71: Asahi Kasei Pharma Corporation
72: MATSUKI, Osamu, TANAKA, Kosuke, TANAKA, Risa
33: US 31: 62/748,706 32: 2018-10-22
54: MEDICAMENT FOR THERAPEUTIC TREATMENT AND/OR IMPROVEMENT OF SEPSIS ACCOMPANIED BY COAGULOPATHY
00: -
A drug for treating and/or improving a septicemia patient, the drug including thrombomodulin as an active ingredient, wherein the drug is administered to the patient having an international standard ratio (INR) value greater than 1.4 immediately before administration.



21: 2021/02522. 22: 2021/04/16. 43: 2025/02/21
51: G01F
71: KEGSPEED, LLC
72: JONES, Timothy Leonard
33: US 31: 16/140,525 32: 2018-09-24
54: RADIO TRANSMITTER DEVICE FOR USE IN METHOD AND SYSTEM FOR MONITORING, CONTROLLING AND OPTIMIZING FLOW OF PRODUCTS
00: -
A liquid product distribution network includes a keg distribution monitoring and reporting apparatus for operation with a tap handle flow monitoring and reporting apparatus. The keg distribution monitoring and reporting apparatus includes a radio transmitter device and sensing circuitry for sensing and communicating physical properties associating with the keg. A tap handle flow monitoring and reporting apparatus senses flow of liquid through a tap includes a tap handle radio transmitter device for fitting within and protected by a tap handle and a low-energy consumption tap handle radio/processing module. A mobile communications device with geographic position sensing device and/or said tap handle flow monitoring and reporting apparatus passively and without user interaction within the keg distribution network, without using network

uplink/gateway circuit devices for sensing and reporting fluid storage, flow, and financial operations relating to the distribution of said liquid product throughout the liquid product distribution network.



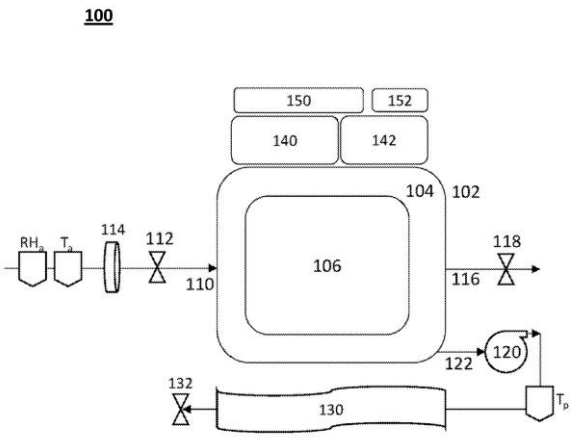
21: 2021/03043. 22: 2021/05/05. 43: 2025/02/14
51: A61K; A61P
71: THE PROCTER & GAMBLE COMPANY, THE CLEVELAND CLINIC FOUNDATION
72: HAZEN, STANLEY LEON, GARCIA-GARCIA, JOSE CARLOS, REED, JODIE MICHELLE, REINSALU, LORI ANN, SICA, VINCENT PETER, BAKER, TIMOTHY R
33: US 31: 62/828,688 32: 2019-04-03
33: US 31: 62/850,670 32: 2019-05-21
33: US 31: 62/756,259 32: 2018-11-06
54: METHODS FOR INHIBITING CONVERSION OF CHOLINE TO TRIMETHYLAMINE (TMA)
00: -
A method of inhibiting the conversion of choline to trimethylamine (TMA) and lowering TMAO in an individual by providing a composition comprising (2-hydroxyethyl) dimethylsulfonium with a counterion wherein the counterion is selected from chloride, bromide or iodide.

21: 2021/03286. 22: 2021/05/14. 43: 2025/02/14
51: A61K; A61P; C07C
71: ATTGENO AB
72: AGVALD, PER HÅKAN, ADDING, LEIF CHRISTOFER, NILSSON, KRISTOFER BO INGEMAR, MINIDIS, ANNA LENA ELISABETH, MALMBERG, JOHAN SALMAN, MINIDIS, ALEXANDER BOGDAN EMIL
33: GB 31: 1819298.9 32: 2018-11-27
54: PROCESSES FOR PREPARING NITROSYLATED PROPANEDIOLS, COMPOSITIONS COMPRISING THE SAME, AND MEDICAL USES THEREOF
00: -
The present invention relates to a novel process for the synthesis of mono- and bis-nitrosylated propanediols, as well as novel compositions and pharmaceutical formulations comprising said compounds. The process proceeds by reacting a corresponding propanediol that is not nitrosylated with a source of nitrite, optionally in the presence of a suitable acid. Wherein, when the source of nitrite is an organic nitrite, reacting step is performed in a suitable organic solvent, and when the source of nitrite is an inorganic nitrite, the reacting step is performed in a bi-phasic solvent mixture comprising an aqueous phase and a non-aqueous phase. The invention also relates to methods of treating a condition wherein administration of nitric oxide (NO) has a beneficial effect by administering said compounds, compositions or formulations.

21: 2021/03327. 22: 2021/05/17. 43: 2025/02/12
51: A61K; A61Q
71: Colgate-Palmolive Company
72: MYERS, Carl, PAPPAS, Iraklis, HAO, Zhigang, TANG, Saide
33: US 31: 62/784,253 32: 2018-12-21
54: STABLE STANNOUS ORAL CARE PRODUCT
00: -
Disclosed herein are high water oral care compositions comprising a stannous ion source, which compositions have improved stability. Methods of making and using the compositions are also provided.

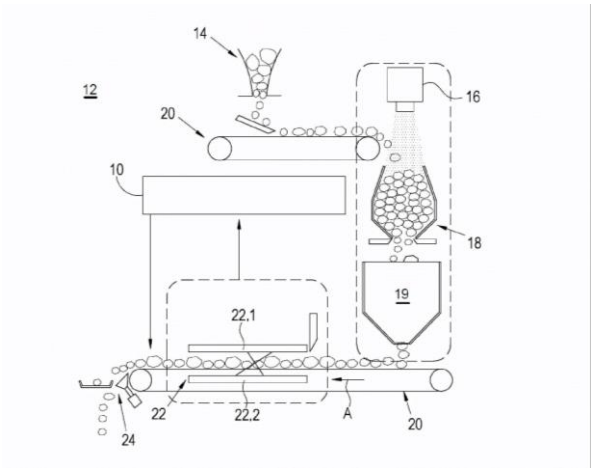
21: 2021/03345. 22: 2021/05/18. 43: 2025/02/27
51: B01D; E03B
71: Source Global, PBC
72: FRIESEN, Cody, SALLOUM, Kamil, FRIESEN, Grant, LORZEL, Heath, MCGUINNESS, Kimberly
33: US 31: 62/748,285 32: 2018-10-19
54: SYSTEMS AND METHODS FOR GENERATING LIQUID WATER USING HIGHLY EFFICIENT TECHNIQUES THAT OPTIMIZE PRODUCTION
00: -
Systems and methods for producing water from process gas are provided herein. The systems include a water generating system that adjusts the pressure and temperature conditions surrounding a

hygroscopic material in order to release water vapor generated by exposure of the hygroscopic material to the process gas.



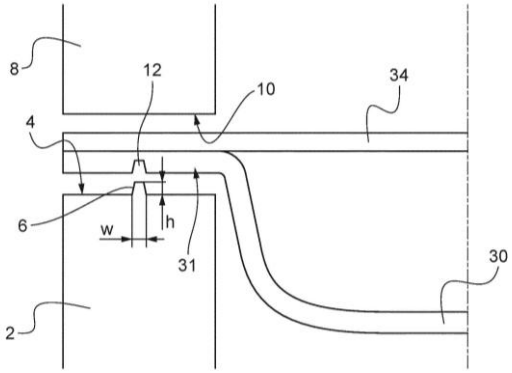
21: 2021/04246. 22: 2021/06/21. 43: 2025/02/18
51: C07K A61P
71: OSE IMMUNOTHERAPEUTICS
72: POIRIER, Nicolas, MARY, Caroline, THEPENIER, Virginie, MORELLO, Aurore, PENGAM, Sabrina
33: EP 31: 18306801.4 32: 2018-12-21
54: HUMANIZED ANTI-HUMAN-PD-1 ANTIBODY
00: -
Described herein are humanized anti-PD-1 antibodies, nucleic acids encoding such, and uses thereof in enhancing immune responses by activating T cells and treating diseases such as cancer and an infectious disease.

21: 2021/04720. 22: 2021/07/06. 43: 2025/02/12
51: G01N; G01T
71: UNIVERSITY OF JOHANNESBURG
72: CONNELL, Simon Henry, COOK, Martin Nkululeko Hogan, ANDREW, Richard Charles
33: ZA 31: 2018/08343 32: 2018-12-11
54: DETECTOR ARRANGEMENT, DETECTION SYSTEM AND METHOD OF PROCESSING DATA FROM A DETECTOR ARRANGEMENT FOR HIGH THROUGHPUT DATA HANDLING
00: -
The invention relates to a detection arrangement, a detection system comprising said arrangement, and a method of processing data from said arrangement. The detector arrangement disclosed comprises at least one array of detectors, wherein the detectors are configured to detect photons emitted from an object as a result of positron annihilation due to irradiation of the object with photons of a predetermined energy. Each detector in the array is linked to or associated with one or more other detector in the array to define a region of interest (RoI). The detector arrangement comprises or is communicatively coupled to a coincidence trigger unit which is configured to register or determine a coincidence in response to receiving detection signals from two different detectors forming part of the same RoI and indicating detection of substantially back-to-back co-linear and co-incident photons in the RoI.



21: 2021/04827. 22: 2021/07/09. 43: 2025/02/12
51: B29C; B29D; B65B; B65D
71: Société des Produits Nestlé S.A.
72: GRES, Nicolas, HEYDEL, Christophe Sébastien Paul, NEYRET, Pierre Nicolas, KOLLEP, Alexandre
33: EP(CH) 31: 18213847.9 32: 2018-12-19
54: MANUFACTURING PROCESS FOR PRODUCING HERMETIC SINGLE-USE FOOD CONTAINERS USING A SEALING HE/ D HAVING A SPECIFIC PROFILE WITH A RIB
00: -
The invention concerns a manufacturing process for producing hermetic single-use food containers, including: forming a container body (30) having an peripheral rim (31), placing the container body in a sealing head having a first die (2) and a second die (8) having cooperating annular sealing surfaces (4, 10) facing the rim (31), sealing a closing lid (34) placed over the container body with the rim (31) by applying the first die (2) and the second die (8) one against the other. According to the invention, the first die (2) is provided with a continuous annular rib (6) in its sealing surface (4), the rib having a height (h)

which is at least equal to a maximum depth of wrinkles that might appear on the rim upon forming the container body, whereby a sealing groove (12) is formed by the rib (6) in a side of the rim during the sealing.



21: 2021/05022. 22: 2021/07/16. 43: 2025/02/12
51: H04N
71: QUALCOMM Incorporated
72: EGILMEZ, Hilmi Enes, SEREGIN, Vadim, SAID, Amir, KARCZEWICZ, Marta
33: US 31: 62/782,292 32: 2018-12-19
54: TREE-BASED TRANSFORM UNIT (TU) PARTITION FOR VIDEO CODING
00: -
A video decoder may receive, in a bitstream that comprises an encoded representation of video data, information indicating whether a residual block is partitioned and information indicating a partition tree type for the residual block based on the residual block being partitioned, wherein the residual block is indicative of a difference between a current block and a prediction block. The video decoder may determine, based on the received information that the residual block is partitioned and the partition tree type for the residual block, a plurality of residual sub-blocks into which the residual block is partitioned according to the partition tree type. The video decoder may produce the residual data for the current block based at least in part on the residual block being partitioned according to the partition tree type into the plurality of residual sub-blocks and may decode the current block using the residual data.

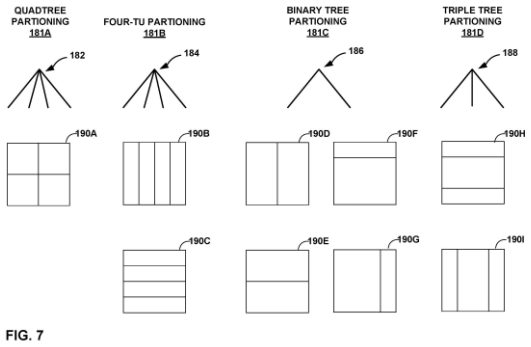


FIG. 7

21: 2021/05120. 22: 2021/07/20. 43: 2025/02/12
51: G06K
71: Climate LLC
72: CHEN, Yaqi, JOHANNESSON, Gardar, GUAN, Wei
33: US 31: 62/784,252 32: 2018-12-21
54: IN-SEASON FIELD LEVEL YIELD FORECASTING
00: -
In an embodiment, digital images of agricultural fields are received at an agricultural intelligence processing system. Each digital image includes a set of pixels having pixel values, and each pixel value of a pixel includes a plurality of spectral band intensity values. Each spectral band intensity value describes a spectral band intensity of one band among several bands of electromagnetic radiation. For each of the agricultural fields, spectral band intensity values of each band are preprocessed at a field level using the digital images for that agricultural field resulting in preprocessed intensity values. The preprocessed intensity values are provided as input to a machine learning model. The model generates a predicted yield value for each field. The predicted yield value is used to update field yield maps of agricultural fields for forecasting and can be displayed via a graphical user interface (GUI) of a client computing device.

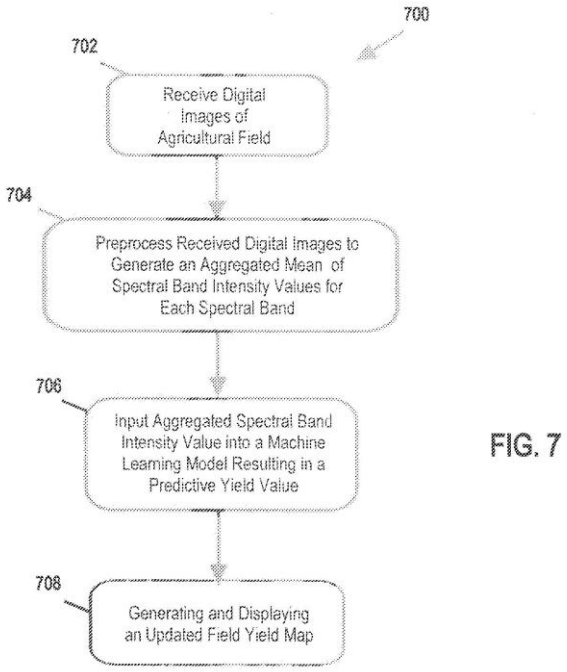


FIG. 7

21: 2021/05276. 22: 2021/07/26. 43: 2025/02/12
51: A61K
71: Zoetis Services LLC
72: SINGH, Paramjit, PANDA, Debendra Kumar, PRICE, Jeffrey Ellis, BADHAN, Atul Chhagan, CUNNINGHAM, Nicholas Finn
33: US 31: 62/807,871 32: 2019-02-20
54: PALATABLE FORMULATIONS
00: -
The present invention is directed to a soft chewable composition comprising or containing a therapeutically effective amount of a veterinary active agent, preferably a JAK inhibitor; an animal based palatant, a non-animal based palatant, a flavor modifier, and at least one veterinary acceptable excipient that is selected from at least one each of a disintegrant, binder, lubricant, humectant, and glidant; and wherein the soft chewable tablet is compressed with a rotary tablet press; and methods for treating or preventing cancer, asthma, atopic dermatitis, autoimmune disorders, pruritus associated with allergic dermatitis, allergies, and chronic respiratory disease in an animal.

21: 2021/05280. 22: 2021/07/26. 43: 2025/02/27
51: C06B
71: DYNO NOBEL ASIA PACIFIC PTY LIMITED
72: GORE, JEFF, GRAHAM, BRIAN
33: AU 31: 2019900348 32: 2019-02-05
33: AU 31: 2019904447 32: 2019-11-25
54: PHASE-STABILIZED AMMONIUM NITRATE PRILLS AND RELATED PRODUCTS AND METHODS
00: -
Phase-stabilized ammonium nitrate (PSAN) prill including ammonium nitrate and a potassium salt are provided. The PSAN prill can be explosive grade and low density. The PSAN prill may include a porosity enhancing agent such as an interfacial surface modifier or a pore former. Methods of preparing the PSAN prill and related emulsions are also provided.

21: 2021/05347. 22: 2021/07/28. 43: 2025/02/12
51: H01M
71: SCEYE SA
72: VESTERGAARD FRANDSEN, Mikkel, KIM, David, ALTHUES, Holger, HÄRTEL, Paul, ABENDROTH, Thomas, DÖRFLER, Susanne, SCHUMM, Benjamin, KASKEL, Stefan, WELLER, Christine
33: US 31: 62/793,474 32: 2019-01-17
54: LIS BATTERY WITH LOW SOLVATING ELECTROLYTE
00: -
A lithium sulfur battery with a low solvating electrolyte at an amount of less than 2 µl per mg sulfur. The electrolyte comprises dioxolane and hexylmethylether, as well as a Li salt, for example LiTSFi. The electrolyte is free from lithium nitrate, $LiNO_3$.

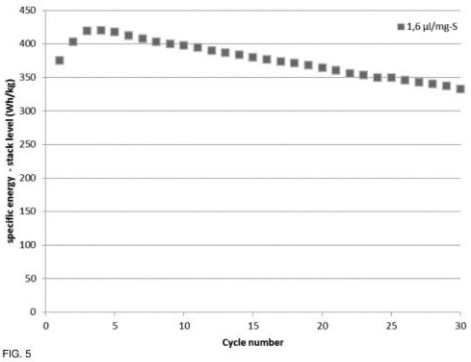
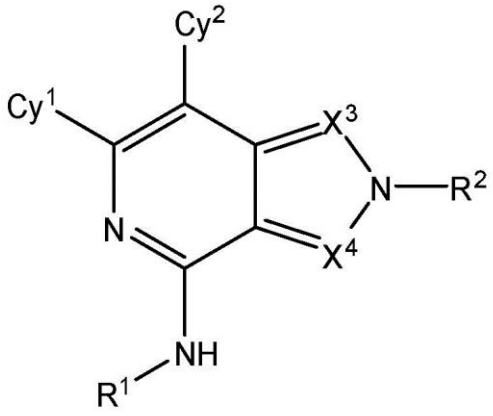


FIG. 5

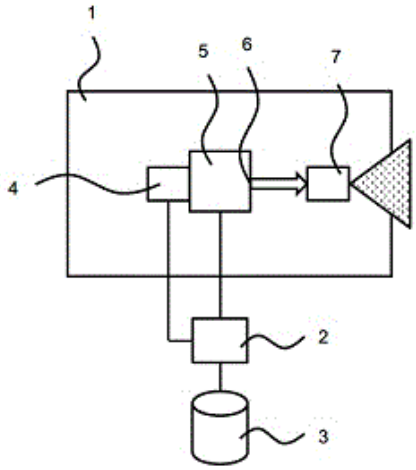
21: 2021/05353. 22: 2021/07/28. 43: 2025/02/12

51: A61K; A61P; C07D
71: Incyte Corporation
72: HUANG, Taisheng, WANG, Xiaozhao
33: US 31: 62/798,180 32: 2019-01-29
54: PYRAZOLOPYRIDINES AND TRIAZOLOPYRIDINES AS A2A / A2B INHIBITORS
00: -
This application relates to compounds of Formula (I): or pharmaceutically acceptable salts thereof, which modulate the activity of adenosine receptors, such as subtypes A2A and A2B receptors, and are useful in the treatment of diseases related to the activity of adenosine receptors including, for example, cancer, inflammatory diseases, cardiovascular diseases, and neurodegenerative diseases.



(I)

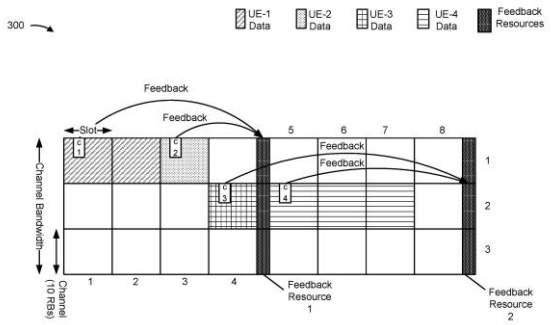
21: 2021/05406. 22: 2021/07/29. 43: 2025/02/14
51: A01C
71: KVERNELAND GROUP NIEUW-VENNEP B.V.
72: DE BOER, BART
33: EP 31: 20157214.6 32: 2020-02-13
54: A METHOD FOR OPERATING AN AGRICULTURAL SPREADER AND ANARRANGEMENT FOR AN AGRICULTURAL SPREADER SYSTEM
00: -
The invention relates to a method for operating an agricultural spreader (1), comprising: providing a spreading material in a material reservoir (5) of an agricultural spreader (1); dosing the spreading material from the material reservoir (5) through a dosing opening (6); receiving the dosed spreading material by a spreader device (7); and spreading the dosed spreading material by the spreader device (7); the method further comprising: detecting digital image data by a monitoring device (4), the digital image data being indicative of a partial quantity of the spreading material located in the vicinity of the dosing opening (6) at the time of detecting the digital image data; and determining a material parameter for the partial quantity of the spreading material located in the vicinity of the dosing opening (6) from analyzing the digital image data by a control device (2). Furthermore, an arrangement for an agricultural spreader (1) system is provided.



21: 2021/05430. 22: 2021/07/30. 43: 2025/02/12
51: A23L
71: Société des Produits Nestlé S.A.
72: BAPNA, Preksha, DREYER, Michel, MARAZZATO, Michele, FEDERICO, Joan, BERTOLI, Constantin
33: IN 31: 201911001401 32: 2019-01-11
54: PROCESS FOR AN INSTANT OIL FRIED NOODLE
00: -
The present invention relates to a process for the production of an instant oil fried noodle. The oil used for frying the instant noodle comprises the fatty acids C16:0 in the range of 1 to 25 wt% (based on weight of total fat) and C18:1 in the range of 60 to 90 wt% (based on weight of total fat) and C18:2 in the range of 0.1 to 20 wt% (based on weight of total fat).

21: 2021/05570. 22: 2021/08/06. 43: 2025/02/12
51: H04L
71: QUALCOMM Incorporated
72: GULATI, Kapil, BHARADWAJ, Arjun, BHUSHAN, Naga, NGUYEN, Tien Viet, BAGHEL, Sudhir Kumar
33: US 31: 62/790,805 32: 2019-01-10
54: FEEDBACK TRANSMISSION USING MULTIPLE ACCESS SIGNATURES
00: -

Various aspects of the present disclosure generally relate to wireless communication. In some aspects, a user equipment (UE) may receive, from another UE, a particular transmission on a particular transmission resource. The UE may transmit, on a feedback resource selected based at least in part on the particular transmission resource, a feedback message using a multiple access signature determined based at least in part on a characteristic of the particular transmission. Numerous other aspects are provided.



21: 2021/05708. 22: 2021/08/12. 43: 2025/02/12
51: A61K; A61P; C07D
71: Dizal (Jiangsu) Pharmaceutical Co., Ltd
72: LI, Zhengtao, ZOU, Hao, ZHU, Wei, SHEN, Changmao, WANG, Rumin, LIU, Wengeng, CHEN, Xiang, TSUI, Honchung, YANG, Zhenfan, ZHANG, Xiaolin
33: PCT/CN 31: 2018/074791 32: 2018-01-31
54: ERBB/BTK INHIBITORS
00: -
Disclosed are compounds inhibiting ErbBs (e.g., EGFR or Her 2), especially mutant forms of ErbBs, and BTK, pharmaceutically acceptable salts, hydrates, solvates or stereoisomers thereof and pharmaceutical compositions comprising the compounds. The compound and the pharmaceutical composition can effectively treat ErbBs (especially mutant forms of ErbBs) or BTK associated diseases, including cancer.

21: 2021/05796. 22: 2021/08/13. 43: 2025/02/12
51: H02J
71: Koninklijke Philips N.V.
72: STARING, Antonius Adriaan Maria
33: EP(NL) 31: 19152176.4 32: 2019-01-16
54: WIRELESS POWER TRANSFER
00: -
A power transmitter (101) provides power to a power receiver (105) via an electromagnetic power transfer signal. The power transmitter (101) comprises an output circuit (302, 103) with a transmitter coil (103) generating the power transfer signal in response to a drive signal generated by a driver (301). A configuration controller (303) switches between power transfer configurations having different maximum power limits and voltage amplitudes for the drive signal. A transmitter (307) transmits a power configuration message to the power receiver (105) comprising data indicative of a voltage amplitude for a first power transfer configuration a receiver (305) receives a power transfer configuration change request message from the power receiver (105). The configuration controller (303) switches the power transmitter (101) to the first power transfer configuration in response to the power transfer configuration change request message. The approach allows a power transmitter and receiver to collaborate to change power transfer configurations providing different maximum power limits.

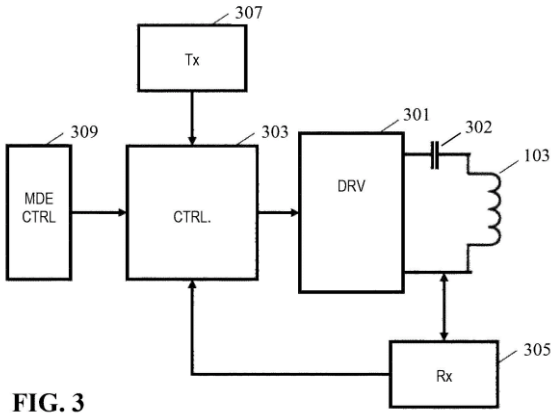
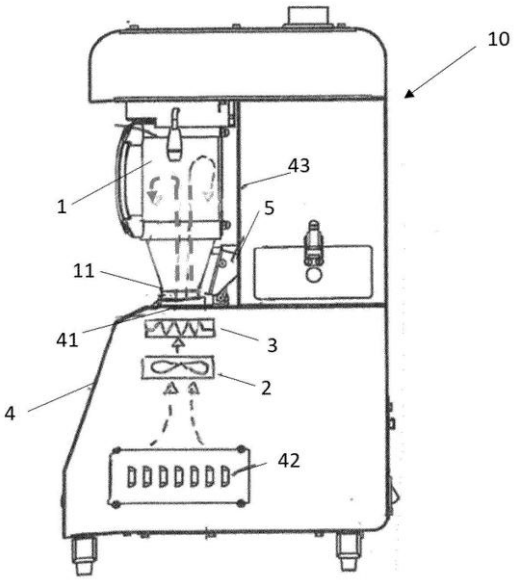


FIG. 3

21: 2021/05798. 22: 2021/08/13. 43: 2025/02/12
51: A23F; A23N
71: Société des Produits Nestlé S.A.
72: CECCAROLI, Stefano, JACCARD, Sandrine, DUBIEF, Flavien, GUREVITCH-BEACOCK, Paul, BRIGANTE, Stuart
33: EP(CH) 31: 19153660.6 32: 2019-01-25
54: ROASTING APPARATUS
00: -
The invention concerns an apparatus (10) for roasting coffee beans comprising: - a housing (4), - a roasting chamber (1) presenting a bottom opening

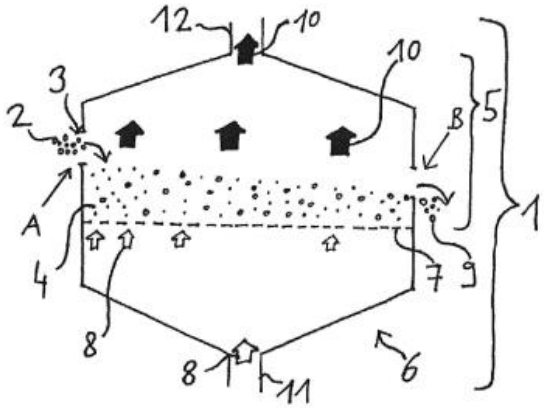
(11), - an air driver (2) configured to drive air inside the roasting chamber through the bottom opening of said chamber, - an electrical heater (3) positioned below the bottom opening of the roasting chamber, said electrical heater being configured to heat air driven inside the roasting chamber, - the air driver and the electrical heater being positioned inside the housing (4) and the housing comprising a hot air outlet hole (41) designed to enable the passage of hot air from the housing inside the bottom opening (11) of the roasting chamber, and the electrical heater (3) being positioned just below the hot air outlet hole (41), - the roasting chamber (1) being removably mounted to the housing (4), the bottom opening (11) of the roasting chamber cooperating with the hot air outlet hole (41) of the housing when the roasting chamber is mounted to the housing, wherein the apparatus comprises a movable closure device (5) configured : - to cover the hot air outlet hole (41) while the roasting chamber is being removed from the housing, and - to uncover the hot air outlet hole (41) while the roasting chamber is being mounted to the housing.



21: 2021/05879. 22: 2021/08/17. 43: 2025/02/12
51: C21B; F27B
71: Primetals Technologies Austria GmbH
72: REIN, Norbert, WURM, Johann, HIEBL, Bernhard, OFNER, Hanspeter, EISL, Roland
33: EP(AT) 31: 19163059.9 32: 2019-03-15
54: METHOD FOR DIRECT REDUCTION IN A FLUIDIZED BED

00: -

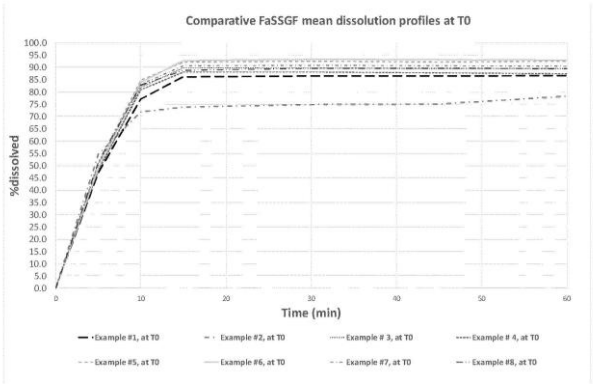
The invention relates to a method for the direct reduction of oxidic iron carrier particles (2) to a reduction product (9) in a fluidized bed (4) through which a reduction gas (8) containing 30 - 100 mol% hydrogen H_2 flows in crossflow. At least 90% by mass of oxidic iron carrier particles (2) introduced into the fluidized bed (4) have a particle size of less than or equal to 200 micrometers. The superficial velocity U of the reduction gas (9) flowing through the fluidized bed (4) is set between 0.05 m/s and 1 m/s such that, for the particle size d equal to d_{30} of the oxidic iron carrier particles (2) introduced into the fluidized bed (4), it is above the theoretical suspension velocity U_t and is less than or equal to U_{max}.



21: 2021/05901. 22: 2021/08/04. 43: 2025/02/12
51: A61K; A61P
71: Debiopharm International S.A.
72: DECRETTE, Marie, COLIN, Aude Anne-Laure, CHABAUD, Sebastien
33: EP(CH) 31: 19157255.1 32: 2019-02-14
54: AFABICIN FORMULATION, METHOD FOR MAKING THE SAME

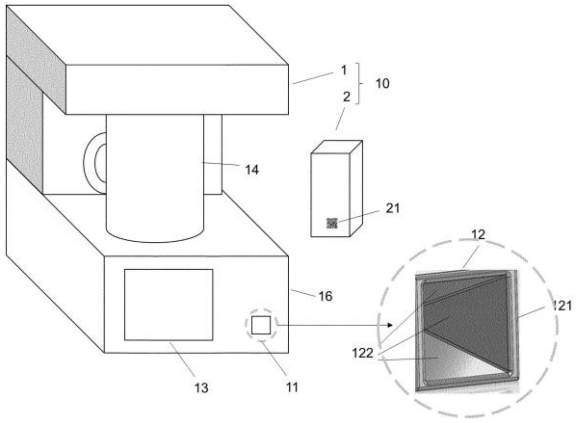
00: -

The present invention provides Afabicin-containing solid pharmaceutical compositions exhibiting superior dissolution characteristics. This beneficial effect is accomplished by the presence of a histidine compound for manufacturing the compositions. The present invention further provides methods for making such compositions and uses thereof.



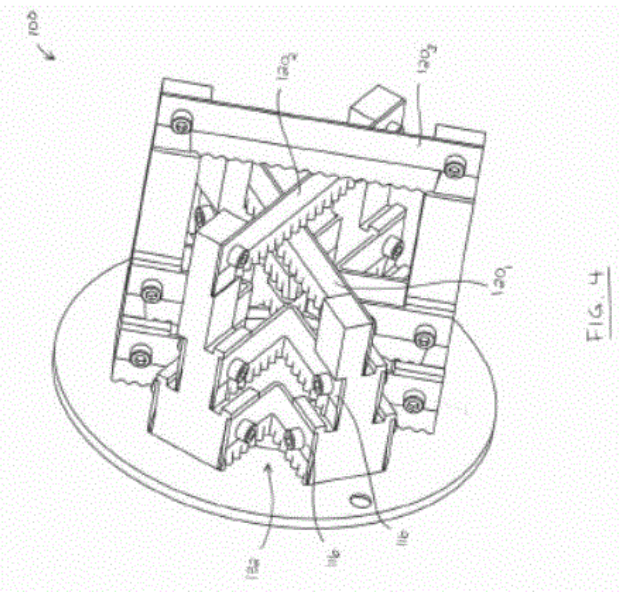
21: 2021/05938. 22: 2021/08/18. 43: 2025/02/12
51: G06K
71: Société des Produits Nestlé S.A.
72: DUBIEF, Flavien, CECCAROLI, Stefano, PINDJUROV, Riste, JACCARD, Sandrine
33: EP(CH) 31: 19153911.3 32: 2019-01-28
54: SYSTEM OF CODED PACKAGE AND APPARATUS
00: -

The invention concerns a system (10) of a package (2) containing a product and an apparatus (1 using said product, the apparatus being refilled by the product contained in the package, wherein code (21) related to the contained product is associated to the package, said code being a tw dimension code and said code presenting a predetermined surface S_{code}, and wherein the apparatu comprises a code reader (11) to read the code associated to the package, said code reader being a image capturing device, said image capturing device being defined by : - a predetermined foca range, - a horizontal angle of view α and a vertical angle of view β, wherein the apparatus comprise a housing structure (16) and a cavity (12) inside the housing structure, wherein the image capturin device is positioned at the back side of the cavity.



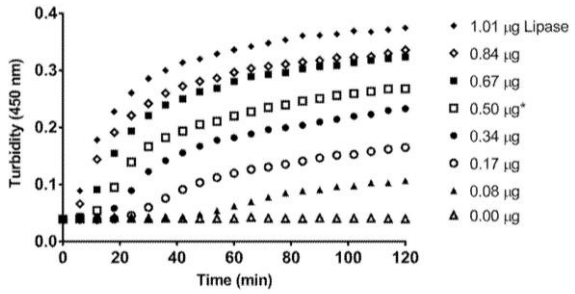
21: 2021/05998. 22: 2021/08/20. 43: 2025/02/12
51: B26B; B26D
71: McCain Foods Limited
72: ROGERS, David M., AIKENS, John Warren, BÖMONT, Sylvain
33: US 31: 16/358,846 32: 2019-03-20
54: BLADE ASSEMBLY FOR CUTTING FOOD
00: -

A blade assembly includes a blade support frame, and a plurality of V-shaped blades removably fastened to the blade support frame. The blade support frame has a food flow path extending downstream, and a plurality of blade mounts distributed around the food flow path. Each V-shaped blade has a first end portion connected to one of the blade mounts, a second end portion connected to another of the blade mounts, and an intermediate portion extending from the first end portion to the second end portion into the food flow path. At the first and second end portions of each V-shaped blade, a respective one of the blade mounts overlies both the upstream edge and the downstream edge of the V-shaped blade to inhibit the V-shaped blade from rotating when impacted by food.



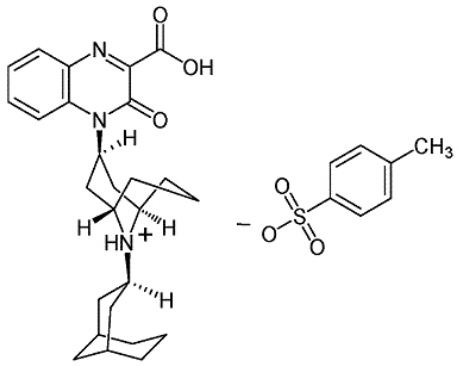
21: 2021/06012. 22: 2021/08/20. 43: 2025/03/24
51: A61K
71: REGENERON PHARMACEUTICALS, INC.
72: KIM, Dorothy, MARLOW, Michael
33: US 31: 62/813,843 32: 2019-03-05
54: HUMAN SERUM ALBUMIN IN FORMULATIONS
00: -

Drug formulations and methods for removing, reducing, or preventing the formation of fatty acid particles in drug formulations are provided.



21: 2021/06131. 22: 2021/08/25. 43: 2025/02/05
51: A61K; A61P; C07K
71: MedImmune, LLC
72: KINNEER, Krista, VARKEY, Reena, XIAO, Xiaodong, HURT, Elaine M., TICE, David
33: US 31: 62/539,825 32: 2017-08-01
54: BCMA MONOCLONAL ANTIBODY-DRUG CONJUGATE
00: -
The disclosure is directed to an antibody-drug conjugate (ADC) comprising a monoclonal antibody, or an antigen-binding fragment thereof, directed against B-cell maturation antigen (BCMA) conjugated to a cytotoxin. The disclosure also provides compositions comprising the antibody-drug conjugate and methods of killing multiple myeloma cells (including multiple myeloma stems cells) that express BCMA by contacting multiple myeloma cells with the ADC.

21: 2021/06145. 22: 2021/08/25. 43: 2025/02/04
51: A61P A61K C07D
71: PURDUE PHARMA L.P.
72: ORTIZ, Ronnie, IGO, David, TSUNO, Naoki, FUKUDA, Mayu, MIYAKE, Naoki
33: US 31: 62/799,710 32: 2019-01-31
54: POLYMORPHIC FORMS OF A SUBSTITUTED-QUINOXALINE-TYPE BRIDGED-PIPERIDINE COMPOUND
00: -
Provided herein are novel crystalline forms of a crystalline compound of Formula (I), which modulates the ORL-1 receptor. The crystalline compounds of Formula (I), compositions thereof, and methods of using thereof that are described herein are particularly useful for treatment, prevention, and management of several sleep disorders.

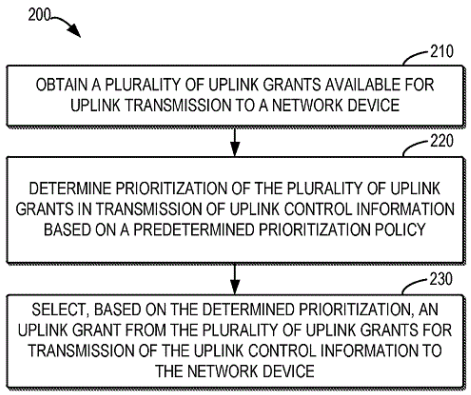


(I)

21: 2021/06152. 22: 2021/08/25. 43: 2025/02/05
51: A23F
71: Société des Produits Nestlé S.A.
72: MORA, Federico, COTTER, Daniel, ROBASZKIEWICZ, Aleksander, FU, Xiaoping, DUPAS, Julien
33: US 31: 62/801177 32: 2019-02-05
54: SOLUBLE COFFEE POWDER
00: -
The present invention relates to a soluble beverage powder consisting of dried coffee extract. In particular to a soluble coffee powder having a gold appearance. Further aspects of the invention are a powder mix for preparing a beverage and a process for making a soluble beverage powder.

21: 2021/06552. 22: 2021/09/07. 43: 2025/02/05
51: H04W
71: NOKIA TECHNOLOGIES OY
72: WU, Chunli, TURTINEN, Samuli, SEBIRE, Benoist
54: COMMUNICATION OF UPLINK CONTROL INFORMATION
00: -
Example embodiments relate to communication of uplink control information. A method implemented at a terminal device comprises obtaining a plurality of uplink grants available for uplink transmission to a network device, the plurality of uplink grants indicating resources for the uplink transmission; determining prioritization of the plurality of uplink grants in transmission of uplink control information based on a predetermined prioritization policy; and selecting, based on the determined prioritization, an uplink grant from the plurality of uplink grants for transmission of the uplink control information to the

network device. In such a way, it is possible to increase a probability of transmission of the uplink control information and/or a probability of improving power efficiency of the terminal device.



21: 2021/06990. 22: 2021/09/20. 43: 2025/02/04
51: B01J; C07B; C07C
71: Mitsubishi Chemical Corporation
72: ABE, Yoshimune, KANUKA, Nariyasu, OKADA, Shigeki
33: JP 31: 2019-067228 32: 2019-03-29
54: METHOD FOR PRODUCING A CATALYST FOR UNSATURATED CARBOXYLIC ACID SYNTHESIS
00: -
The purpose of the present invention is to obtain a catalyst which has further improved starting material conversion rate and further improved product selectivity. A method for producing a catalyst for unsaturated carboxylic acid synthesis, which comprises: a drying step wherein a starting material mixed liquid, which is obtained by integrating supply source compounds for catalyst component elements, is dried and heated, thereby obtaining a dried material; a forming step wherein the dried material is used as a powder to be loaded or a powder to be loaded is obtained from the dried material, and a carrier in the form of a grain aggregate is loaded with this powder to be loaded, thereby obtaining a catalyst precursor; and a firing step wherein the catalyst precursor is fired, thereby obtaining a catalyst. A catalyst for unsaturated carboxylic acid synthesis is produced by this method, so that the mass loss rate of the powder to be loaded at 300°C is less than 5% by mass, and the difference between the mass loss rate of the powder to be loaded at 370°C and the mass loss rate of the powder to be loaded at 300°C is within the range of from 1% by mass to 6% by mass (inclusive).

21: 2021/07221. 22: 2021/09/27. 43: 2025/02/07
51: A61P; C07K
71: Immunocore Limited
72: CONNOLLY, Mary Marguerita, TORREÑO, Sara Crespillo, SUCKLING, Richard, DEMBEK, Marcin, DONOSO, Jose, WIEDERHOLD, Katrin, KNOX, Andrew
33: GB 31: 1904328.0 32: 2019-03-28
54: BINDING MOLECULES SPECIFIC FOR HBV ENVELOPE PROTEIN
00: -
The present invention relates to specific binding molecules that bind the HLA-A*02 restricted peptide GLSPTVWLSV (SEQ ID NO: 1) derived from HBV envelope protein. The specific binding molecules may comprise alpha and/or beta TCR variable domains and may comprise non-natural mutations within the alpha and/or beta variable domains relative to a native TCR. The specific binding molecules of the invention are particularly suitable for use as novel immunotherapeutic reagents for the treatment of infectious or malignant disease.

SEQ ID NO: 2 Amino acid sequence of the scaffold alpha chain extracellular region. CDRs are underlined. The extracellular constant region is shown in italics. A non-native cysteine residue is shown in bold (at position 48 of constant region)

```
        10         20         30         40         50         60
AKEVEQNSGP LSVPEGAIAS LNCTYSDRGS QSFFWYRQYS GKSPELIMSI YSNGDKEDGR
        70         80         90         100        110        120
FTAQLNKASQ YVSLLIRDSQ PSDSATYLCA VRNYNTDKLI FGTGTRLQVF PNIQNPDPAV
        130        140        150        160        170        180
YQLRDSKSSD KSVCLFTDFD SQTNVSQSKD SDVYITDKCV LDMRSMDFKS NSAVAWSNKS
        190
DFACANAFNN SIIPEDT
```

SEQ ID NO: 3 Amino acid sequence of the scaffold beta chain extracellular region. CDRs are underlined. The extracellular constant region is shown in italics. A non-native cysteine residue is shown in bold (at position 57 of constant region). Additional non-native amino acids at position 75 and position 89 of the constant region are also shown in bold.

```
        10         20         30         40         50         60
NAGVTQTPKF QVLKTGQSMT LQCAQDMNHE YMSWYRQDPG MGLRLIHYSV GAGITDQGEV
        70         80         90         100        110        120
PNGYNVSRST TEDFPLRLLS AAPSQTSVYF CASSYATGGT GELFFGEGSR LTVLEDLKNV
        130        140        150        160        170        180
FPPEVAVFEP SEAEISHTQK ATLVCLATGF YPDHVELSWW VNGKEVHSGV CTDPQPLKEQ
        190        200        210        220        230        240
PALNDSRYAL SSRLRVSATF WQDPRNHFRC QVQFYGLSEN DEWTQDRAKP VTQIVSAEAW

GRAD
```

21: 2021/07229. 22: 2021/09/27. 43: 2025/02/05
51: H02J; H02M
71: GE Grid Solutions LLC

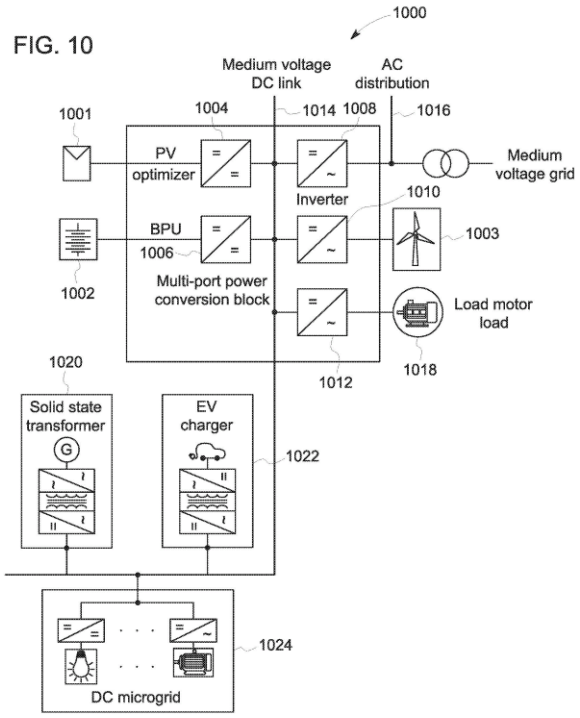
72: ZHANG, Zheyu, RAMABHADRAN, Ramanujam, HOFER, Douglas Carl, ELASSER, Ahmed

54: CUSTOMIZABLE POWER CONVERTER AND CUSTOMIZABLE POWER CONVERSION SYSTEM

00: -

A customizable power conversion system (1000) is configured to operate with multiple alternating current (AC) and direct current (DC) power sources (1001,1003) and supplies multiple AC and DC loads (1018,1020,1022,1024). The customizable power conversion system is also configured to be assembled from a plurality of customizable power converters (1004,1006,1008,1010,1012), each of which is configured to function as a building block of the customizable power conversion system. More particularly, each customizable power converter may be configured as any DC/DC, DC/AC, AC/DC, or AC/AC converter, such as any of i) an inverter, ii) a DC/DC converter for use with a photovoltaic (PV) array (or string of PV arrays), and iii) a DC/DC converter for use with an energy storage element (e.g., a battery or battery string).

FIG. 10



21: 2021/07389. 22: 2021/09/30. 43: 2025/02/05
51: A61K
71: NordicCan A/S

72: BRUUN, Heidi Ziegler, BOESEN, Dorte Schackinger, NIELSEN, Bruno Provstgaard
33: CA 31: 3040547 32: 2019-04-17
33: CA 31: 3040513 32: 2019-04-17
33: US 31: 16/386,477 32: 2019-04-17
33: CA 31: 3040532 32: 2019-04-17

54: FAST DISINTEGRATING CANNABINOID TABLETS

00: -

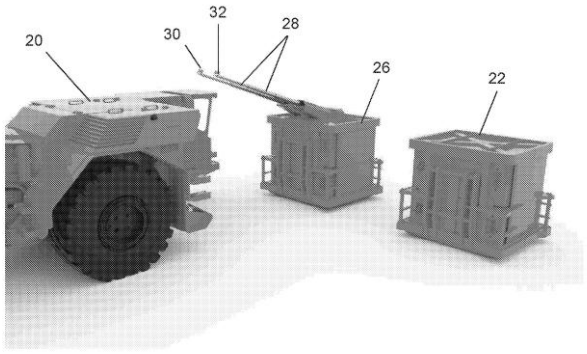
The present invention relates in a first aspect to a fast disintegrating cannabinoid tablet, the tablet comprising a sugar alcohol composition comprising one or more sugar alcohol particles in an amount of at least 20% by weight of the tablet, a cannabinoid composition comprising one or more cannabinoids, and a disintegrant composition comprising one or more disintegrants operable to disintegrate the tablet within a period of 2 minutes or less in contact with oral saliva. In a second aspect, the invention relates to a modular tablet, wherein the tablet comprises a further tablet module that is different in composition.

21: 2021/07418. 22: 2021/10/01. 43: 2025/02/04
51: B60K; B60L
71: Artisan Vehicle Systems, Inc.
72: HUFF, Brian R., HICKEY, Kyle
33: US 31: 62/828,963 32: 2019-04-03

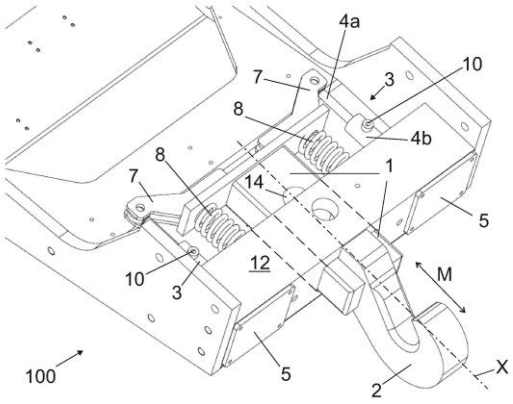
54: INTERCHANGEABLE ENERGY DEVICE FOR ELECTRIC VEHICLE

00: -

An interchange energy device for an electric vehicle enables an electric vehicle to be compatible with existing power lines such as overhead catenary system with little to no modification necessary to a modem electric vehicle. The interchangeable energy device has the same form factor as a battery pack, and is fully compatible with the drive system of the vehicle. The interchangeable device enables a battery pack to be swapped for an adapter to take advantage of existing power systems such as an overhead catenary system.

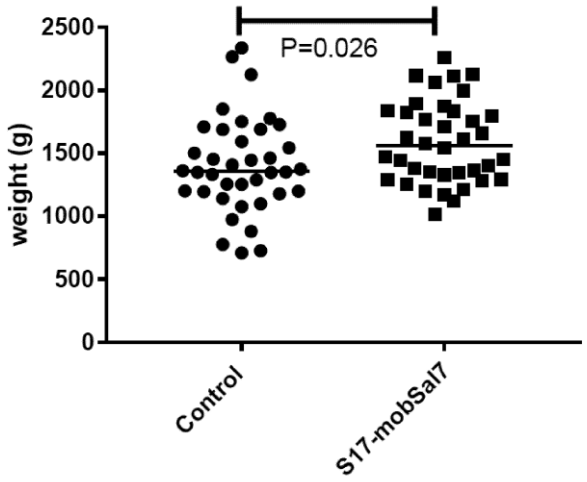


21: 2021/07480. 22: 2021/10/05. 43: 2025/02/06
51: B60D; B60T; B61D; B61G
71: Sandvik Mining and Construction Oy
72: HIMANEN, Timo
33: EP(FI) 31: 19172195.0 32: 2019-05-02
54: TOWING ARRANGEMENT AND MINE MACHINE
00: -
A towing arrangement for a mine machine, and a mine machine. The arrangement comprises a body part (1), a towing element (2) for allowing a towing tool to be connected to the towing arrangement (100), thetowing element (2) attached to the body part (1), a hydraulic actuator (3), a first part (4a) of the hydraulic actuator (3) attached to the body part (1), and a second part (4b) of the hydraulic actuator (3) attachable to a support element (5). The support element (5), when the towing arrangement being attached to the mine machine (6), is fixed to said mine machine (6). The body part (1) is arranged movable in relation to the support element (5). The body part (1) is arranged to move in relation to the support element (5) when a towing force is affecting to the towing element (2), and the hydraulic actuator (3) is arranged to get shorter along with said towing force affecting to the towing element (2).



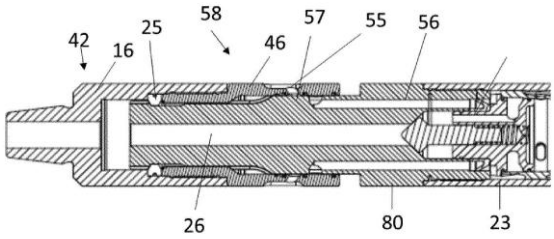
21: 2021/07583. 22: 2021/10/08. 43: 2025/02/04
51: A61K; C07H; A61P
71: AENORASIS COMMERCIAL COMPANY OF PHARMACEUTICAL AND MEDICAL PRODUCTS AND MACHINES SOCIETE ANONYME
72: TZAKOS, Andreas, SIVOLAPENKO, Gregory, CHATZIGIANNIS, Christos
33: GR 31: 20190100181 32: 2019-04-24
54: CYTIDINE DERIVATIVES AND METHODS OF FORMING CYTIDINE DERIVATIVES
00: -
Disclosed herein are nucleoside derivatives, cytidine derivatives and Gemcitabine derivatives and methods of forming nucleoside derivatives, cytidine derivatives and Gemcitabine derivatives.

21: 2021/07586. 22: 2021/10/08. 43: 2025/03/10
51: A61K; C12N; A61P
71: FOLIUM FOOD SCIENCE LIMITED
72: WOODWARD, Martin, COGAN, Tristan, FUCHS, Edward, KNEUPER, Holger, RICCIO, Alessandro, GRØNDAHL, Christian, CLUBE, Jasper
33: GB 31: 1906668.7 32: 2019-05-12
54: ANTIBACTERIAL AGENTS & METHODS
00: -
The invention relates to means for carrying out conjugation between bacteria, and in particular the invention relates to carrier bacteria comprising antimicrobial agents and methods of use. The carrier bacteria are capable of conjugative transfer of DNA encoding the agent to a target cells. The invention further relates to growth or feed conversion ratio promotion in animals. The invention further relates to killing Salmonella or inhibiting the growth or proliferation of Salmonella.



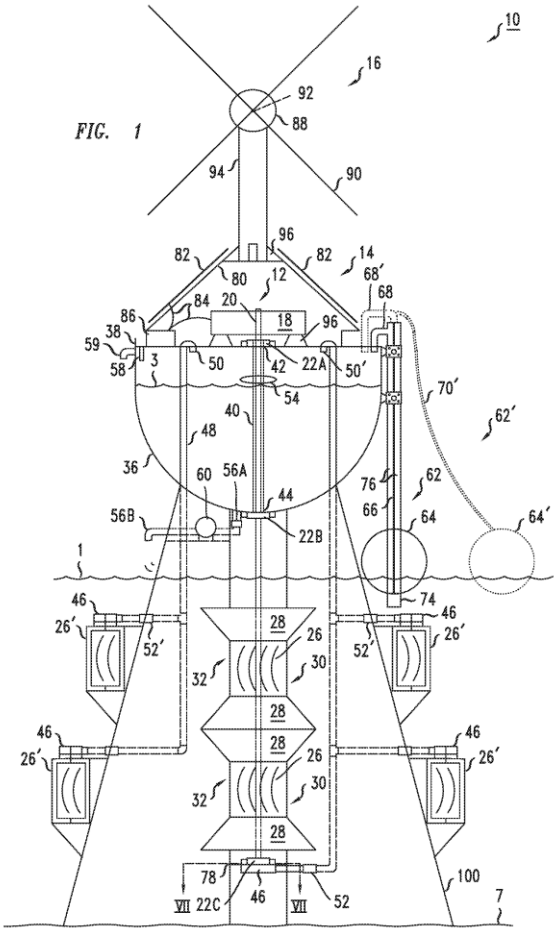
21: 2021/07703. 22: 2021/10/12. 43: 2025/02/04
51: E21B
71: Sandvik Mining and Construction Oy
72: BRUANDET, Olivier
33: EP(FI) 31: 19181470.6 32: 2019-06-20
54: DOWN THE HOLE DRILLING ASSEMBLY EXHAUST ASSEMBLY
00: -

A down the hole drilling assembly comprising a drill tube adapter, an elongate casing, a fluid powered piston, a top working chamber, a bottom working chamber, a top sub and an exhaust system wherein the exhaust system (58) is moveable with respect to the drill string (9) and the top sub (80) comprises an exhaust valve (57) which is capable of opening and closing the connection between the at least one exhaust passage (56) and the at least one exhaust port (55).



21: 2021/07772. 22: 2021/10/13. 43: 2025/03/10
51: B63J; F03B
71: CUMMINGS, Michael, Scot
72: CUMMINGS, Michael, Scot
54: CONTINUOUS FLUID FLOW POWER GENERATOR
00: -

A continuous fluid flow power generator includes an electrical generator with submersible turbine blades in communication with a flow of fluid in a body of water to generate electricity. The generator may include a water tower and a hydro turbine generator to generate electricity through kinetic actions; a float and piston assembly activated by wave action to deliver water to the water tower; kick turbines to create water flow to the water tower through submersible pumps; and a rechargeable battery in communication with the electrical generator and the hydro turbine generator. The generator may also include solar assemblies and windmills to provide supplemental electricity generation for charging the rechargeable battery. The generator may be connectable to a battery bank aboard a vessel or to an electrical grid.



21: 2021/07819. 22: 2021/10/14. 43: 2025/02/03
51: A61K; A61P; C07C; C07D

71: Escient Pharmaceuticals, Inc.
72: YEAGER, Adam, SELFRIDGE, Brandon, SAINZ, Marcos, MARTINBOROUGH, Esther, BOEHM, Marcus, HUANG, Liming
33: US 31: 62/825,741 32: 2019-03-28
54: MODULATORS OF MAS-RELATED G-PROTEIN RECEPTOR X4 AND RELATED PRODUCTS AND METHODS
00: -

Methods are provided for modulating MRGPR X4 generally, or for treating a MRGPR X4 dependent condition more specifically, by contacting the MRGPR X4 or administering to a subject in need thereof, respectively, an effective amount of a compound having the structure of Formula (I): (I) or a pharmaceutically acceptable isomer, racemate, hydrate, solvate, isotope, or salt thereof, wherein *n, x,* A, Q_1, Q_2, Z, R, R^1, R^2, R^3, R^4 and R^5 are as defined herein. Pharmaceutical compositions containing such compounds, as well as to compounds themselves, are also provided.

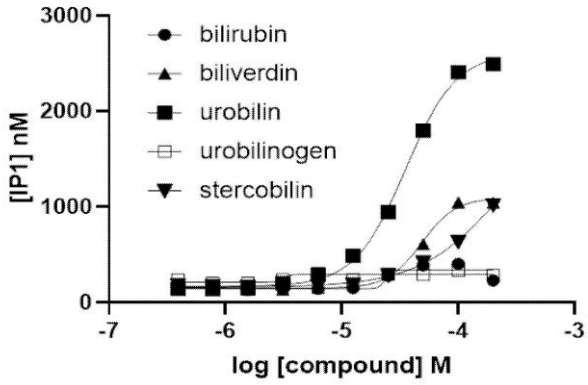
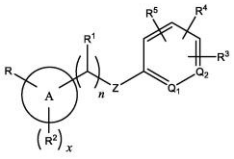


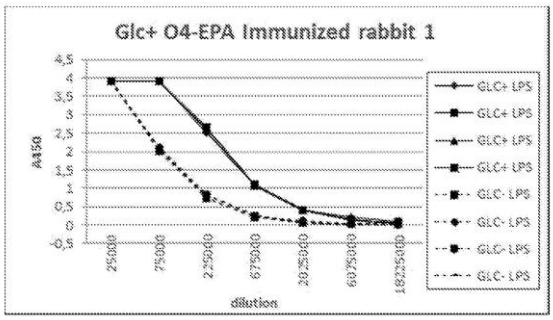
FIG. 1

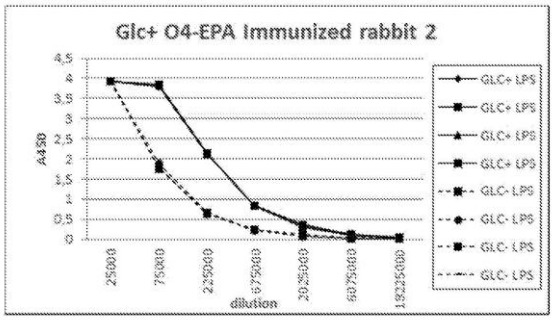


(I)

21: 2021/07879. 22: 2021/10/15. 43: 2025/02/06
51: C12N; C12P
71: Janssen Pharmaceuticals, Inc.
72: GEURTSEN, Jeroen, BURGHOUT, Pieter Jan, WEERDENBURG, Eveline Marleen, POOLMAN, Jan Theunis, FAE, Kellen Cristhina, IBARRA YON, Patricia, ABBANAT, Darren Robert, KEMMLER, Stefan Jochen, KOWARIK, Michael Thomas, MALLY, Manuela, GAMBILLARA FONCK, Veronica, BRAUN, Martin Edward, CARRANZA SANDMEIER, Maria Paula
33: US 31: 62/819,762 32: 2019-03-18
54: METHODS OF PRODUCING BIOCONJUGATES OF E. COLI O-ANTIGEN POLYSACCHARIDES, COMPOSITIONS THEREOF, AND METHODS OF USE THEREOF
00: -

Methods of producing bioconjugates of O-antigen polysaccharides covalently linked to a carrier protein using recombinant host cells are provided. The recombinant host cells used in the methods described herein encode a particular oligosaccharyl transferase enzyme depending on the O-antigen polysaccharide bioconjugate to be produced. The oligosaccharyl transferase enzymes can be PglB oligosaccharyl transferase or variants thereof. Also provided are compositions containing the bioconjugates, and methods of using the bioconjugates and compositions described herein to vaccinate a subject against extra-intestinal pathogenic *E. coli.* (ExPEC).



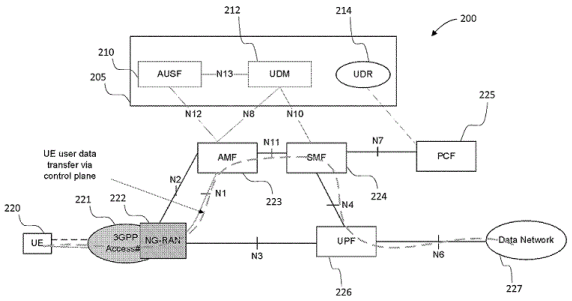


21: 2021/08003. 22: 2021/10/19. 43: 2025/02/27
51: B01D; B01F; C02F
71: Innovative Water Care, LLC
72: BLANCHETTE, David W., MULLER, Matthew
33: US 31: 62/842,921 32: 2019-05-03
54: DEVICES AND SYSTEMS FOR WATER TREATMENT
00: -

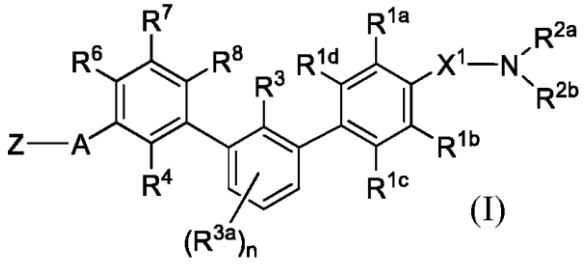
The invention is an apparatus for preparing a chemical solution. A device of the present invention includes a housing including a lower chamber and an upper chamber and a dissolving bowl arranged at an interface of the lower chamber and upper chamber. The dissolving bowl includes a grid disposed within. Solid, undissolved chemical material rests on a top surface of the grid, such that the grid is able to maintain physical separation of the solid, undissolved chemical material from at least a

bottom portion of the dissolving bowl. The device further includes a nozzle disposed within the dissolving bowl and positioned so as to direct flow of aqueous fluid into the dissolving bowl and towards the grid. The dissolving bowl further includes an outlet in fluid communication with the lower chamber to thereby allow for a prepared chemical solution to flow from the dissolving bowl into the lower chamber.

21: 2021/08434. 22: 2021/10/29. 43: 2025/03/23
51: H04W G16Y
71: NOKIA TECHNOLOGIES OY
72: LIU, Jennifer
33: US 31: 62/828,223 32: 2019-04-02
33: US 31: 62/833,334 32: 2019-04-12
54: METHOD AND APPARATUS FOR CELLULAR INTERNET OF THINGS (CIOT) DATA TRANSFER OVER A CONTROL PLANE IN A WIRELESS COMMUNICATION SYSTEM
00: -
A method, apparatus, and computer program product are provided for control plane cellular Internet of Things (CIoT) data transfer in a wireless communication system. A method for control plane messaging between a first entity and a second entity in a network in which control plane messages are sent in a control plane protocol is described. The5 method can include a service request procedure whereby the 5GMM mode is changed from 5GMM-IDLE to 5GMM-CONNECTED mode. In some embodiments, if a user equipment is using EPS services with control plane CIoT EPS optimization, this procedure can be used for UE initiated transfer of user data via the control plane. In some embodiments, the method can include receiving from a user equipment (UE), at a core access and mobility 10 management function, a control plane service request message, starting a T3517 timer and enter the state 5GMM-SERVICE-REQUEST-INITIATED, and changing a 5GMM mode from a 5GMM-IDLE mode to a 5GMM-CONNECTED mode.



21: 2021/08626. 22: 2021/11/04. 43: 2025/03/10
51: A61K; C07C; C07D
71: CHEMOCENTRYX, INC.
72: FAN, Pingchen, LANGE, Christopher, MALI, Venkat Reddy, MCMURTRIE, Darren J., MALATHONG, Viengkham, PUNNA, Sreenivas, SINGH, Rajinder, YANG, Ju, ZENG, Yibin, ZHANG, Penglie
33: US 31: 62/848,114 32: 2019-05-15
54: TRIARYL COMPOUNDS FOR TREATMENT OF PD-L1 DISEASES
00: -
Compounds are provided that are useful as immunomodulators. The compounds have the Formula (I) including stereoisomers and pharmaceutically acceptable salts thereof, wherein R^{1a}, R^{1b}, R^{1c}, R^{1d}, R^{2a}, R^{2b}, R^3, R^{3a}, R^4, R^6, R^7, R^8, A, Z, X^1 and n are as defined herein. Methods associated with preparation and use of such compounds, as well as pharmaceutical compositions comprising such compounds, are also disclosed.



21: 2021/08767. 22: 2021/11/08. 43: 2025/02/03
51: B01J; C01B; C07C
71: BASF SE
72: PARVULESCU, ANDREI-NICOLAE, XIAO, FENG-SHOU, MENG, XIANGJU, WU, QINMING, MUELLER, ULRICH, YOKOI, TOSHIYUKI, ZHANG, WEIPING, KOLB, UTE, MARLER, BERND, DE VOS, DIRK, HONG, XIN
33: CN 31: PCT/CN2019/090361 32: 2019-06-06
54: DIRECT SYNTHESIS OF ALUMINOSILICATE ZEOLITIC MATERIALS OF THE IWR

FRAMEWORK STRUCTURE TYPE AND THEIR USE IN CATALYSIS

00: -

The present invention relates to a zeolitic material having the IWR type framework structure, wherein the zeolitic material comprises YO_2 and X_2O_3 in its framework structure, wherein Y is a tetravalent element and X is a trivalent element, and wherein the framework structure of the zeolitic material comprises less than 5 weight-%weight-% of Ge calculated as GeO_2 and based on 100 weight-%weight-%of YO_2 contained in the framework structure, and less than 5 weight-%weight-% of B calculated as B_2O_3 and based on 100 weight-%weight-% of X_2O_3 contained in the framework structure. Further, the present invention relates to a process for preparing a zeo-litic material having the IWR type framework structure, wherein the zeolitic material comprises YO_2 and X_2O_3 in its framework structure, wherein Y is a tetravalent element and X is a trivalent element.

21: 2021/09164. 22: 2021/11/17. 43: 2025/02/10

51: A61K; A61P; C07D

71: Merck Sharp & Dohme B.V.

72: BARF, Tjeerd A., JANS, Christiaan Gerardus Johannes Maria, DE MAN, Antonius Petrus Adrianus, OUBRIE, Arthur A., RAAIJMAKERS, Hans C.A., REWINKEL, Johannes Bernardus Maria, STERRENBURG, Jan Gerard, WIJKMANS, Jacobus C.H.M.

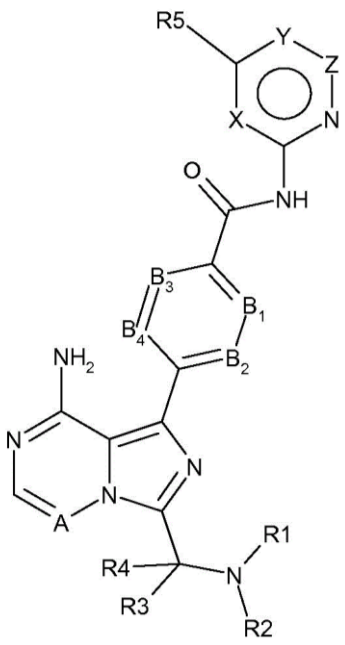
33: EP(NL) 31: 11174578.2 32: 2011-07-19

33: US 31: 61/509,397 32: 2011-07-19

54: 4 - IMIDAZOPYRIDAZIN- 1 -YL-BENZAMIDES AND 4 - IMIDAZOTRIAZIN- 1 - YL - BENZAMIDES AS BTK- INHIBITORS

00: -

The present invention relates to 6-5 membered fused pyridine ring compounds according to formula (I) or a pharmaceutically acceptable salt thereof or to pharmaceutical compositions comprising these compounds and to their use in therapy. In particular, the present invention relates to the use of 6-5 membered fused pyridine ring compounds according to formula I in the treatment of Brutons Tyrosine Kinase (Btk) mediated disorders.



(I)

21: 2021/09198. 22: 2021/11/17. 43: 2025/02/03

51: A61K; A61P; C07K

71: ALX ONCOLOGY INC.

72: PONS, JAUME, WAN, HONG, RANDOLPH, SOPHIA

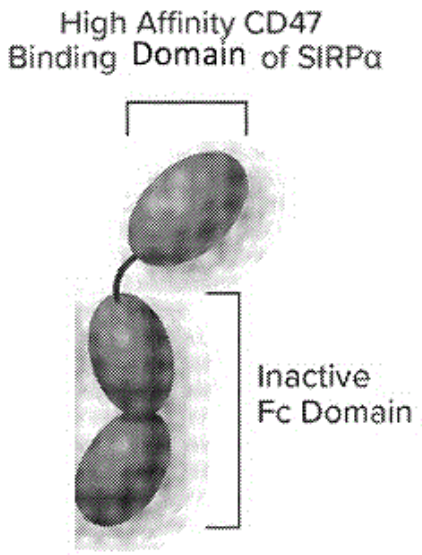
33: US 31: 63/022,187 32: 2020-05-08

33: US 31: 62/855,821 32: 2019-05-31

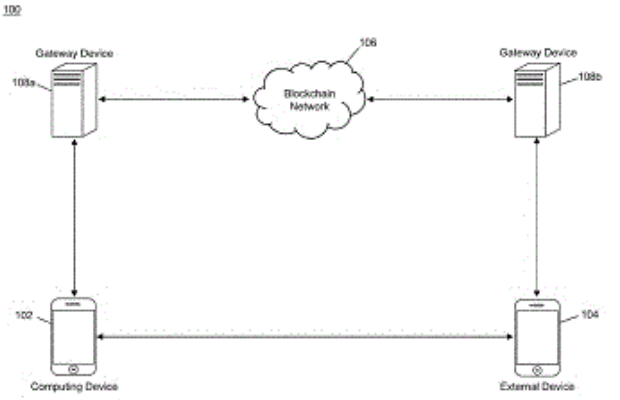
54: METHODS OF TREATING CANCER WITH SIRP ALPHA FC FUSION IN COMBINATION WITH AN IMMUNE CHECKPOINT INHIBITOR

00: -

Provided are methods of treating cancer (e.g., non-small cell lung cancer (NSCLC), head and neck squamous cell carcinoma (HNSCC), HER2 -positive gastric/gastroesophageal junction (GEJ) cancer,*de novo*or transformed diffuse large B cell lymphoma (DLBCL), or indolent lymphoma) in an individual that comprise administering to the individual (a) a polypeptide comprising a SIRPα D1 domain variant and an Fc domain variant, and (b) an anti -cancer antibody (e.g., an anti-PD1 antibody, anti-HER2 antibody, or an anti-CD20 antibody). Also provided are related kits pharmaceutical compositions.



21: 2021/09260. 22: 2021/11/18. 43: 2025/02/03
51: H04L; G06Q; G06F
71: MASTERCARD INTERNATIONAL INCORPORATED
72: HIGGINS, STEPHEN
33: US 31: 16/509,765 32: 2019-07-12
54: METHOD AND SYSTEM FOR SECURE AND VERIFIABLE OFFLINE BLOCKCHAIN TRANSACTIONS
00: -
A method for performing secure, verifiable, offline blockchain transactions through a trusted execution environment and time-limited credentials includes: storing, in a trusted execution environment of a computing device, a cryptographic key pair comprised of a public key and a private key; transmitting, by a transmitter of the computing device, the public key to a gateway device in a blockchain network; receiving, by a receiver of the computing device, a time-limited credential from the gateway device; generating, by a processing device of the computing device, a blockchain data value, wherein the blockchain data value includes at least the time-limited credential, a transaction amount, and a destination address; digitally signing, by the trusted execution environment of the computing device, the generated blockchain data value using the private key; and transmitting, by the transmitter of the computing device, the signed blockchain data value to an external device.



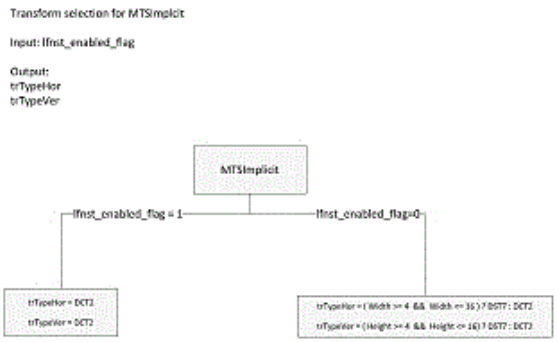
21: 2021/09515. 22: 2021/11/24. 43: 2025/02/03
51: C05G; A01C; A01N
71: DANIMER IPCO, LLC
72: GRUBBS, JOE B. III, LOCKLIN, JASON JOHN
33: US 31: 62/852,433 32: 2019-05-24
54: PLA / PHA BIODEGRADABLE COATINGS FOR SEEDS, FERTILIZERS AND PESTICIDES
00: -
A granular composition for agricultural is disclosed. The granular composition is made up of a plurality of granulates having a biodegradable coating applied over the granulates. The granulates are selected from the group consisting of seeds, fertilizers, and pesticides. The biodegradable coating is made up of polylactic acid and polyhydroxyalkanoates. A method for making the coated granular composition and a method for controlled release of the granular material in the field are also disclosed.

21: 2021/09516. 22: 2021/11/24. 43: 2025/02/03
51: C05G; A01C; A01N
71: DANIMER IPCO, LLC
72: VAN TRUMP, PHILLIP, GRUBBS, JOE B. III, JOHNSON, ADAM
33: US 31: 62/852,440 32: 2019-05-24
54: CONTROLLED RELEASE BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS
00: -
A granular composition for agricultural coatings is disclosed. The granular composition is made up of a plurality of granulates having at least one biodegradable coating applied over the granulates. The granulates are selected from the group consisting of seeds, fertilizers, and pesticides. The biodegradable coating is made up of polyhydroxy alkanoates, such as monomer residues of 3 - hydroxybutyrate and monomer residues of 3 - hydroxyhexanoate. A method for making the coated

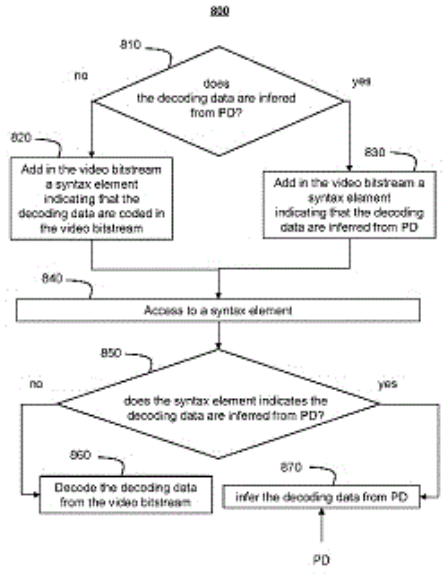
granular composition and a method for controlled release of the granular material in the field are also disclosed.

21: 2021/09517. 22: 2021/11/24. 43: 2025/02/03
51: C08G
71: DANIMER IPCO, LLC
72: VAN TRUMP, PHILLIP, EATON, RICHARD, GRUBBS, JOE B. III
33: US 31: 62/852,443 32: 2019-05-24
54: PHA TERPOLYMER COMPOSITIONS
00: -
This disclosure relates to biodegradable polymeric compositions. More particularly, this disclosure relates to biodegradable polymeric compositions including copolymers of polyhydroxy alkanoates ("PHA's") having at least three different monomer units, i.e. PHA terpolymers.

21: 2021/09659. 22: 2021/11/26. 43: 2025/02/03
51: H04N
71: INTERDIGITAL VC HOLDINGS, INC.
72: NASER, KARAM, LELEANNEC, FABRICE, POIRIER, TANGI
33: EP 31: 19305698.3 32: 2019-05-31
33: EP 31: 19290045.4 32: 2019-06-21
54: TRANSFORM SELECTION FOR IMPLICIT MULTIPLE TRANSFORM SELECTION
00: -
A method and apparatus to improve compression efficiency in a video compression scheme enables use of new tools with multiple transform selection. In one embodiment, transform pair selection is based on a flag indicative of low-frequency non-separable transforms. In another embodiment, transform pair selection is based on a flag indicative of low-frequency non-separable transforms and on a flag indicative of matrix-based intra prediction. In another embodiment, when an implicit multiple transform selection mode is used, transform pair selection is based on a flag indicative of low-frequency non-separable transforms. Bitstream syntax is used to convey the flags.



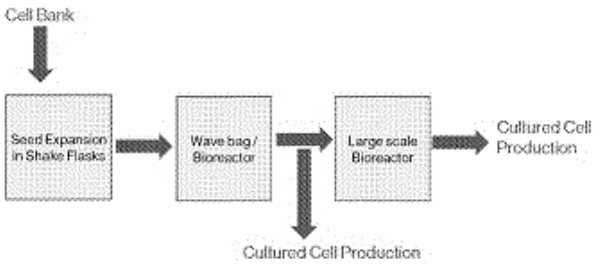
21: 2021/09832. 22: 2021/12/01. 43: 2025/02/10
51: H04N
71: INTERDIGITAL VC HOLDINGS, INC.
72: BORDES, PHILIPPE, KERDRANVAT, MICHEL, FRANCOIS, EDOUARD
33: EP 31: 19305818.7 32: 2019-06-24
54: METHOD AND APPARATUS FOR SIGNALING DECODING DATA USING HIGH LEVEL SYNTAX ELEMENTS
00: -
Methods (800, 900, 1600, 1700) and apparatuses (2100) for signaling decoding data in a video bitstream, wherein one uses a syntax element indicating whether the decoding data are explicitly coded in the video bitstream or inferred from previous data of the video bitstream. A bitstream, a computer- readable storage medium and a computer program product are also described.



21: 2021/09976. 22: 2021/12/03. 43: 2025/02/10
51: A61K; A61P

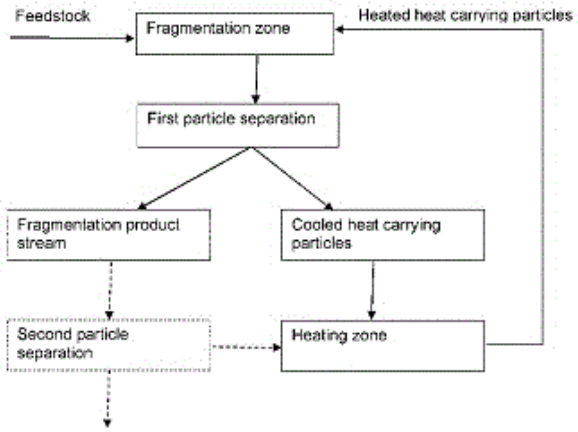
71: THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
72: GLENN, JEFFREY S, PHAM, EDWARD, XIONG, ANMING
33: US 31: 62/860,533 32: 2019-06-12
54: METHODS TO TREAT VIRAL INFECTIONS
00: -
Methods and compositions are provided for reducing virus titer and eliminating virus-infected cells from an individual.

21: 2021/10042. 22: 2021/12/06. 43: 2025/02/10
51: C12N; A23L
71: GOOD MEAT, INC.
72: MULLEN, NICHOLAS, PARK, NATHANIEL, JONES, CHRISTOPHER, BOWMAN, THOMAS, BIGNONE, PAOLA, ESPIRITO SANTO, VITOR, KAMBAM, PAVAN, HAQUE, AMRANUL, AMADI, IFEANYI MICHAEL
33: US 31: 62/861,948 32: 2019-06-14
54: IN VITRO AVIAN FOOD PRODUCT
00: -
Provided herein are food products made in vitro from avian fibroblast cells and methods for harvesting the avian fibroblast cells. Particularly, an in vitro produced chicken product is produced. Also provided herein are methods of their production.



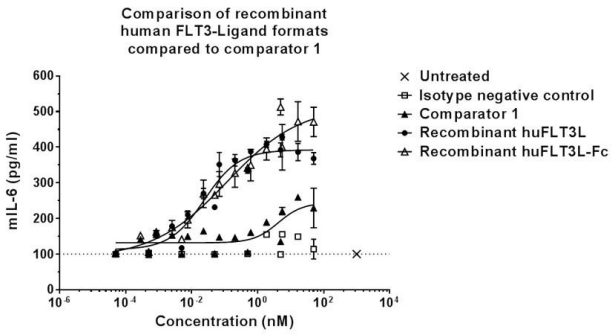
21: 2021/10231. 22: 2021/12/09. 43: 2025/02/10
51: G03F; C12Q; G01N
71: ILLUMINA CAMBRIDGE LIMITED
72: RICHEZ, ALEXANDRE
33: US 31: 63/015,259 32: 2020-04-24
54: FLOW CELLS
00: -
An example of a flow cell includes a substrate and a cured, patterned resin on the substrate. The cured, patterned resin has nano-depressions separated by interstitial regions. Each nano-depression has a largest opening dimension ranging from about 10 nm to about 1000 nm. The cured, patterned resin also includes an interpenetrating polymer network. The interpenetrating polymer network of the cured, patterned resin includes an epoxy-based polymer and a (meth)acryloyl-based polymer.

21: 2021/10355. 22: 2021/12/13. 43: 2025/02/10
51: C07C
71: HALDOR TOPSØE A/S
72: OSMUNDSEN, CHRISTIAN MÅRUP, TAARNING, ESBEN, LARSEN, MORTEN BOBERG
33: DK 31: PA 2019 00973 32: 2019-08-16
33: DK 31: PA 2019 00972 32: 2019-08-16
54: NEW BED MATERIAL FOR THERMOLYTIC FRAGMENTATION OF SUGARS
00: -
The present invention relates to a process for thermolytic fragmentation of a sugar into a composition comprising C_1-C_3oxygenates. In particular, it relates to the use of heat carrying particles providing improved yields of C_1-C_3oxygenates and improved fluidization characteristics making it suitable for industrial scale production of e.g. glycolaldehyde. It also regards a circulating fluidized bed system comprising the heat carrying particles.

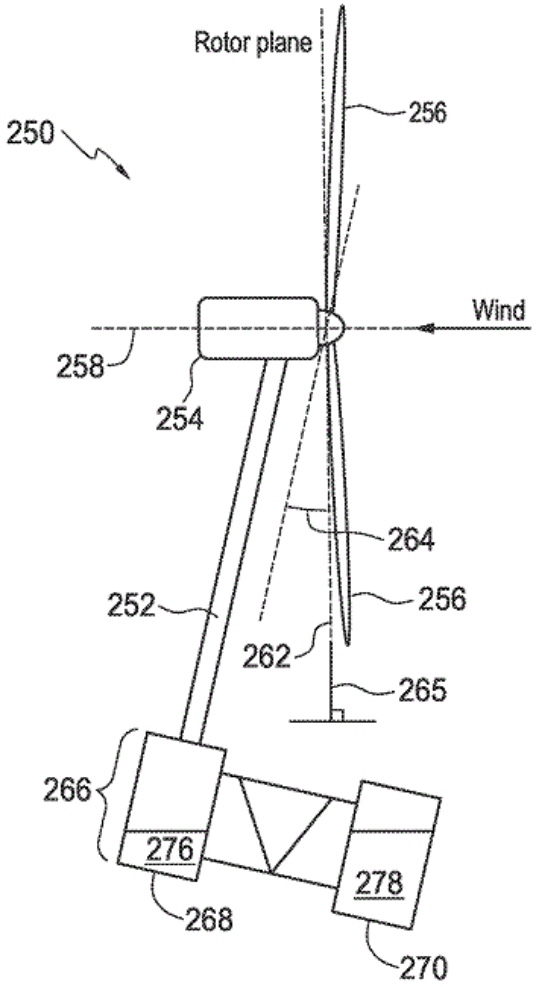


21: 2021/10414. 22: 2021/12/13. 43: 2025/02/04
51: C07K; A61P
71: Gilead Sciences, Inc.
72: AMBROGELLY, Alexandre, BACA, Manuel, CARR, Brian A., CHU, Hon Man Hamlet, HUNG, Magdeleine S., KANWAR, Manu, KUHNE, Michelle R., REHDER, Douglas S., SCHENAUER, Matthew R., WILSON, Nicholas S.
33: US 31: 62/866,584 32: 2019-06-25
54: FLT3L-FC FUSION PROTEINS AND METHODS OF USE
00: -

Provided are FLT3L-Fc fusion proteins, polynucleotides encoding such fusion proteins, expression cassettes, vectors, cells and kits comprising such fusion proteins, and methods of using.

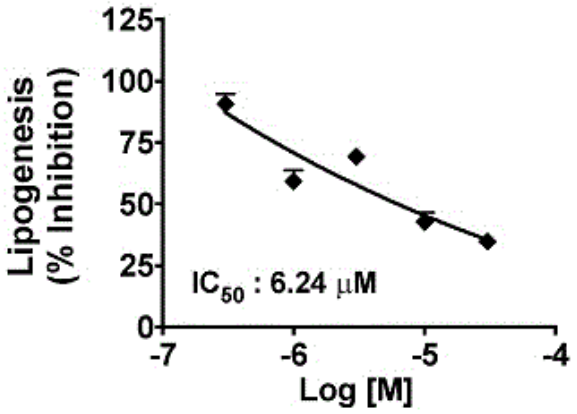


21: 2021/10423. 22: 2021/12/14. 43: 2025/02/04
51: B63B F03D
71: PRINCIPLE POWER, INC.
72: LOUAZEL, Pauline, YU, Bingbin, KANNER, Sam, PEIFFER, Antoine, RODDIER, Dominique
33: US 31: 16/427,208 32: 2019-05-30
54: FLOATING WIND TURBINE PLATFORM CONTROLLED TO OPTIMIZE POWER PRODUCTION AND REDUCE LOADING
00: -
A method for controlling an inclination of a floating wind turbine platform to optimize power production, or to reduce loads on the turbine, tower, and platform, or both, includes receiving data associated with the inclination of the floating wind turbine platform and wind speed and direction data. An angle of difference between the turbine blade plane and the wind direction is determined, where the angle of difference has a vertical component. A platform ballast system is then caused to distribute ballast to reduce the vertical component to a target angle chosen to optimize power production, or reduce turbine, tower, and platform loads, or both.

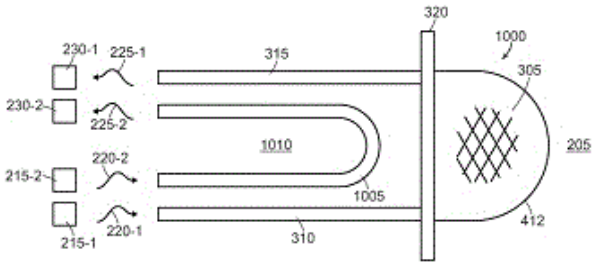


21: 2021/10502. 22: 2021/12/15. 43: 2025/02/10
51: A61K
71: ESPERVITA THERAPEUTICS, INC.
72: ONICIU, DANIELA CARMEN
33: US 31: 62/878,852 32: 2019-07-26
33: US 31: 62/901,739 32: 2019-09-17
54: FUNCTIONALIZED LONG-CHAIN HYDROCARBON MONO- AND DI-CARBOXYLIC ACIDS USEFUL FOR THE PREVENTION OR TREATMENT OF DISEASE
00: -
This invention provides compounds of Formulae (IA), (IB), (IC), (ID), (IE), (IF), (IG), (IH), (IJ), (IK), (IL), (II), (III), (IIIA), and (IIIB); pharmaceutically acceptable salts and solvates thereof; and compositions thereof. This invention further provides methods for treating a disease, including but not limited to, liver disease or an abnormal liver condition; cancer (such as hepatocellular carcinoma or cholangiocarcinoma); a malignant or benign tumor of the lung, liver, gall bladder, bile duct or digestive

tract; an intra- or extra-hepatic bile duct disease; a disorder of lipoprotein; a lipid-and-metabolic disorder; cirrhosis; fibrosis; a disorder of glucose metabolism; a cardiovascular or related vascular disorder; a disease resulting from steatosis, fibrosis, or cirrhosis; a disease associated with increased inflammation (such as hepatic inflammation or pulmonary inflammation); hepatocyte ballooning; a peroxisome proliferator activated receptor-associated disorder; an ATP citrate lyase disorder; an acetyl-coenzyme A carboxylase disorder; obesity; pancreatitis; or renal disease.



21: 2021/10746. 22: 2021/12/21. 43: 2025/02/10
51: G01N
71: SCULLY SIGNAL COMPANY
72: PATERSON, SEAN
33: US 31: 62/860,062 32: 2019-06-11
54: METHOD AND DEVICE FOR CHARACTERIZING A MEDIUM USING REFRACTIVE INDEX
00: -
An optical device configured to pass an input light signal through a medium under test, for example, a fluid, and to retrieve an output light signal. A comparison of the output light signal to the input light signal is indicative of the medium and can be used to determine if another unknown medium is the same. Another optical device passes an input signal through a known medium and an unknown medium and corresponding output light signals are received. A comparison of the output light signal corresponding to the unknown medium with the output light signal of the known medium can be used to characterize the unknown medium as against other mediums.



21: 2021/10902. 22: 2021/12/23. 43: 2025/02/10
51: C03B; F27D
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: RASHLEY, SHANE T, KUHLMAN, ROBERT, SOLEY, DAVID, JIAO, JIAN, ANDERSON, WALTER, SMITH, SUSAN L
33: US 31: 16/590,065 32: 2019-10-01
54: COOLING PANEL FOR A MELTER
00: -
A cooling panel (12, 212, 312, 412) for a melter (10) and method for fabricating the cooling panel (12, 212, 312, 412) are disclosed. In particular, the cooling panel (12, 212, 312, 412) can include first (20, 120, 220, 420) and second (22, 122, 222, 422) outer walls and a plurality of side walls (34, 36, 38, 40, 134, 136, 138, 140, 334, 336, 338, 340, 434, 436, 438, 440) coupled to the outer walls that define an interior space (62, 462). A plurality of baffles (24, 424) is disposed in the interior space (62, 462), where projections (48, 52) in the baffles (24, 424) fit into respective openings (28, 44) in the outer walls (20, 22, 120, 122, 220, 222, 420, 422) and can be connected from outside the cooling panel (12, 212, 312, 412). The cooling panel (12, 212, 312, 412) can be formed by way of welding and/or additive manufacturing, as discussed herein.

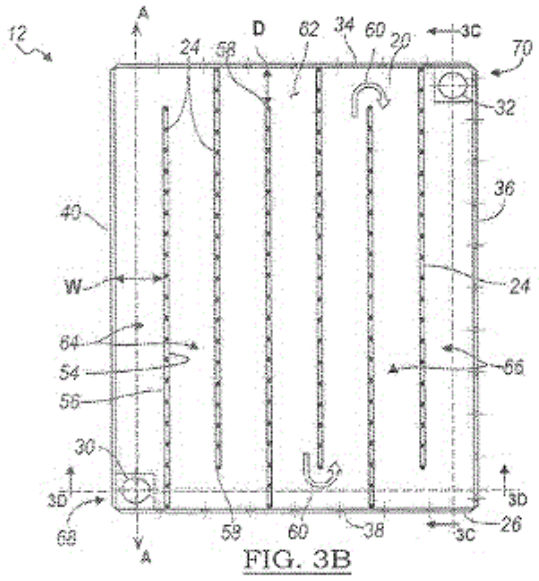
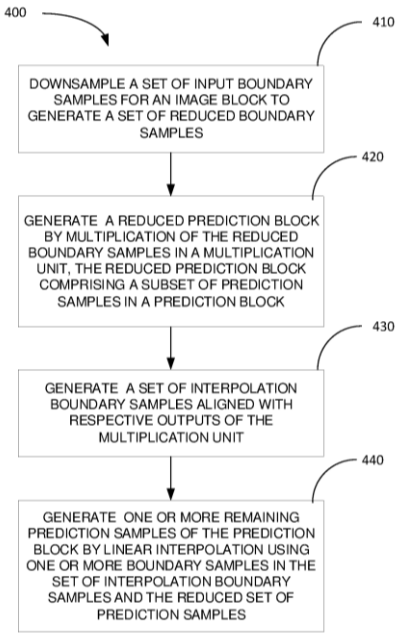
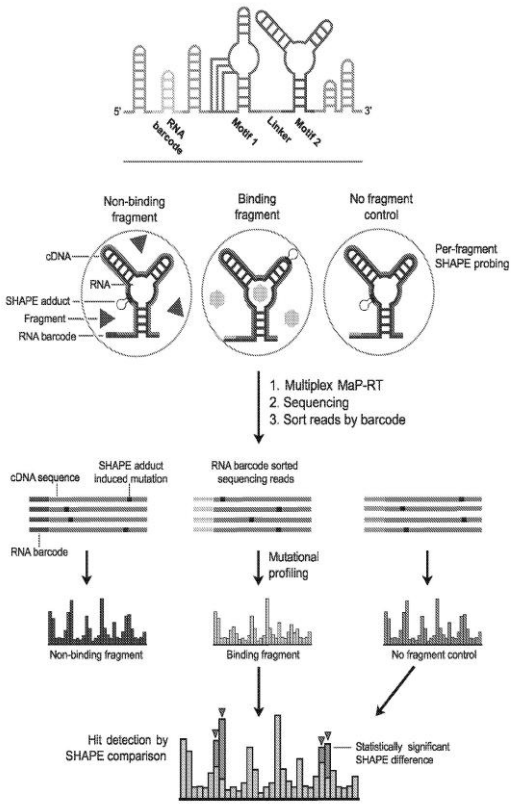


FIG. 3B

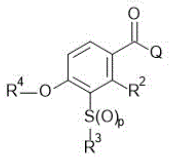
21: 2022/00586. 22: 2022/01/12. 43: 2025/02/17
51: H04N
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: ZHANG, Zhi, ANDERSSON, Kenneth, SJÖBERG, Rickard, STRÖM, Jacob, WENNERSTEN, Per, YU, Ruoyang
33: US 31: 62/861,546 32: 2019-06-14
54: SIMPLIFIED DOWNSAMPLING FOR MATRIX BASED INTRA PREDICTION
00: -
A prediction unit (60) for an encoder (24) or decoder (44) implements matrix based intra prediction. Input boundary samples for a current block are downsampled to obtain reduced boundary samples for matrix multiplication and/or linear interpolation, or both. In one embodiment, downsampling is performed in a manner that aligns the reduced boundary samples with an output of a matrix multiplication unit of the prediction unit. In other embodiments, downsampling is performed without averaging. The embodiments reduce the complexity of the prediction unit and the latency of the encoder (24) or decoder (44).



21: 2022/01555. 22: 2022/02/04. 43: 2025/03/27
51: A61K; C07D; A61P
71: THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
72: WEEKS, Kevin, AUBÉ, Jeffrey, LI, Kelin, ZELLER, Meredith
33: US 31: 62/883,370 32: 2019-08-06
33: US 31: 63/031,944 32: 2020-05-29
54: RNA-TARGETING LIGANDS, COMPOSITIONS THEREOF, AND METHODS OF MAKING AND USING THE SAME
00: -
The disclosure is directed to compounds that bind to a target RNA molecule, such as a TPP riboswitch, compositions comprising the compounds, and methods of making and using the same. The compounds contain two structurally different fragments that allow for binding with the target RNA at two different binding sites thereby producing a higher affinity 5 binding ligand compared to compounds that only bind to a single RNA binding site.



21: 2022/03992. 22: 2022/04/07. 43: 2025/02/13
51: A01N; C07D
71: Syngenta Crop Protection AG
72: BURTON, Paul Matthew, RAJAN, Ramya, EMERY, Katie, MITCHELL, Glynn, BURNS, David, MCGRANAGHAN, Andrea
33: IN 31: 201911046699 32: 2019-11-15
54: HERBICIDAL COMPOUNDS
00: -
The present invention relates to compounds Formula (I):

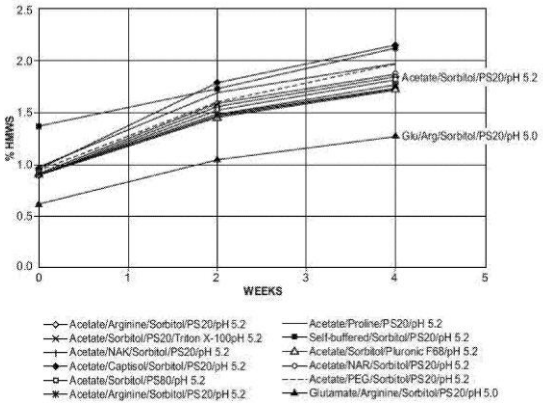


(I)

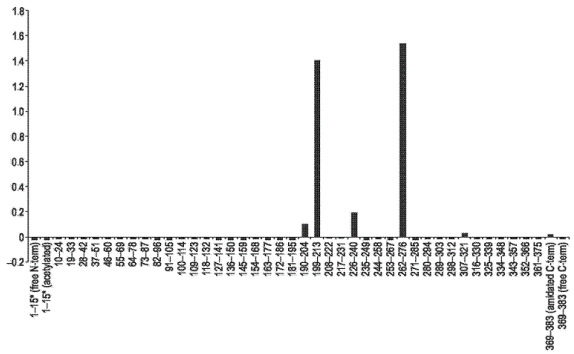
wherein Q, R^2, R^3 and R^4 are as defined herein. The invention further relates to compositions comprising said compounds, and methods of controlling weeds using said compounds and/or compositions.

21: 2022/05141. 22: 2022/05/10. 43: 2025/02/04
51: A61K; C07K
71: Amgen Inc.
72: BRYCH, Stephen Robert, WONG, Lyanne M., FALLON, Jaymille, GOSS, Monica Michelle, GU, Jian Hua, GHATTYVENKATAKRISHNA, Pavan K.
33: US 31: 62/492,056 32: 2017-04-28

54: FORMULATIONS OF HUMAN ANTI-RANKL ANTIBODIES, AND METHODS OF USING THE SAME
00: -
Disclosed herein are aqueous pharmaceutical formulations comprising denosumab or another human anti-RANKL monoclonal antibody or portion thereof, and characteristics of pH, buffer systems, and amino acid aggregation inhibitors. Also disclosed are presentation of the formulation for use, e.g. in a single-use vial, single-use syringe, or glass container, methods of using the formulations and articles for preventing or treating diseases, and related kits.



21: 2022/05817. 22: 2020/03/02. 43: 2025/02/18
51: C07K G01N
71: PROTHENA BIOSCIENCES LIMITED
72: NIJJAR, Tarlochan, S., BARBOUR, Robin, DOLAN, Philip, James, III, LIU, Yue, ALEXANDER, Svetlana, RENZ, Mark, E.
33: US 31: 62/813,126 32: 2019-03-03
33: US 31: 62/813,137 32: 2019-03-03
33: US 31: 62/838,159 32: 2019-04-24
54: ANTIBODIES RECOGNIZING TAU
00: -
The invention provides antibodies that specifically bind tau. The antibodies inhibit or delay tau-associated pathologies and associated symptomatic deterioration.



21: 2022/10065. 22: 2022/09/09. 43: 2025/02/17
51: A61K; C07K
71: Amgen Inc.
72: ALI, Khaled M.K.Z., AGRAWAL, Neeraj Jagdish, KANNAN, Gunasekaran, FOLTZ, Ian, WANG, Zhulun, BATES, Daren, MOCK, Marissa, TAKENAKA, Shunseke
33: US 31: 62/540,692 32: 2017-08-03
54: INTERLEUKIN-21 MUTEINS AND METHODS OF TREATMENT
00: -
Provided herein are IL-21 muteins and fusion proteins comprising the same for use in methods of treating a disease. Related conjugates, nucleic acids, vectors, host cells, pharmaceutical compositions and kits are also provided herein. Methods of making the IL-21 muteins and fusion proteins comprising the same, as well as methods of treating a subject in need thereof, are provided by the present disclosure. Further provided are PD-1 antigen-binding proteins.

21: 2022/10207. 22: 2022/09/14. 43: 2025/02/04
51: B60D; B60T; B61D; B61G; E21F
71: Sandvik Mining and Construction Oy
72: MIKKOLA, Mr. Jussi
33: EP(FI) 31: 20169552.5 32: 2020-04-15
54: TOWING ARRANGEMENT AND MOBILE WORK MACHINE
00: -
A towing arrangement for a mobile work machine, and a mobile work machine. The arrangement (100) comprises a towing element (1) for allowing a towing tool to be connected to the towing arrangement (100). The towing element (1) is arranged to move in relation to the frame (2) of the work machine when a towing force is affecting to the towing element (1). The arrangement (100) further comprises a hydraulic actuator (3), a first part (4a) of the hydraulic actuator (3) attached to the frame (2), and a second part (4b) of the hydraulic actuator (3) connected to the towing element (1), such that the hydraulic actuator (3) is arranged to create hydraulic pressure along with movement of the towing element (1) in relation to the frame (2). The towing arrangement (100) comprises a flexible connection element (5) that is arranged to connect the towing element (1) to the hydraulic actuator (3) for transmitting said movement of the towing element (1) to the hydraulic actuator (3).

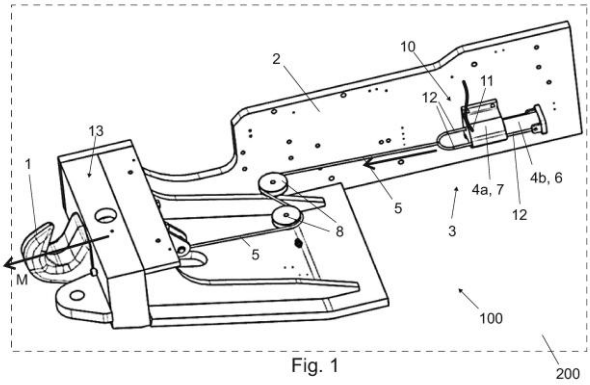


Fig. 1

21: 2022/10216. 22: 2022/09/14. 43: 2025/02/13
51: C12N; C12P
71: LANZATECH, INC.
72: LIEW, FUNGMIN, KOEPKE, MICHAEL, NAGARAJU, SHILPA, HARRIS, AUDREY
33: US 31: 62/991,428 32: 2020-03-18
54: FERMENTATIVE PRODUCTION OF 2-PHENYLETHANOL FROM GASEOUS SUBSTRATES
00: -
Disclosed herein are methods for production of 2-phenylethanol by microbial fermentation of substrates comprising carbon monoxide and/or carbon dioxide and further disclosed are genetically modified microorganisms for use in such methods. Additionally, the processes disclosed herein are improved methods of 2-PE production that alleviate dependence on natural and petrochemical processes.

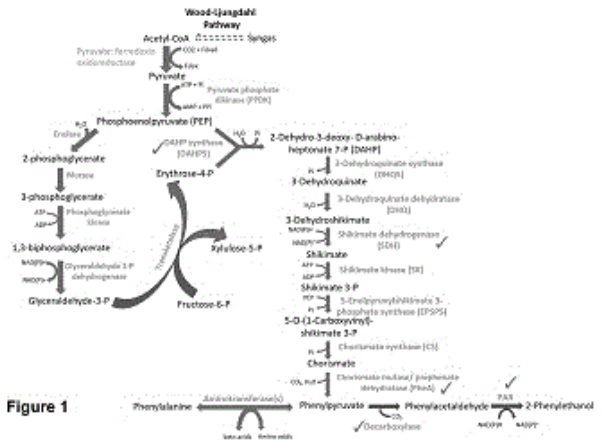
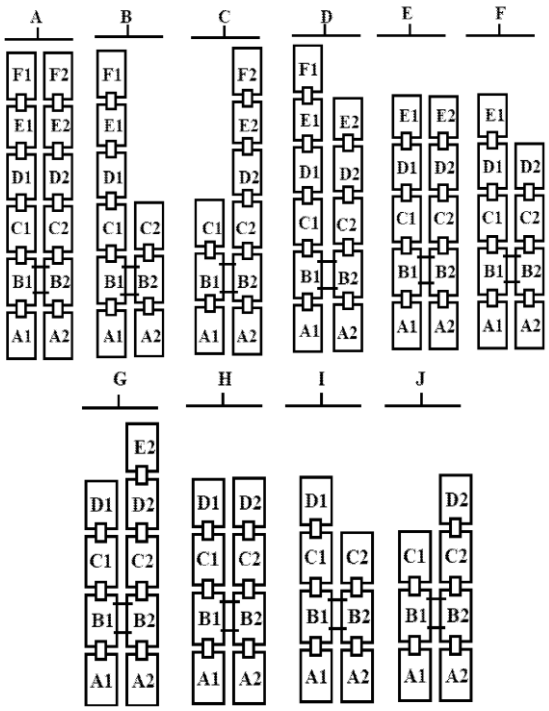


Figure 1

21: 2022/10400. 22: 2022/09/20. 43: 2025/03/10
51: A61K; C07K; A61P
71: ANGELES THERAPEUTICS, INC.
72: CHAUDHARY, Preet M.
33: US 31: 62/990,396 32: 2020-03-16
54: NOVEL ANTIGEN BINDING DOMAINS AND SYNTHETIC ANTIGEN RECEPTORS INCORPORATING THE SAME
00: -
The disclosure relates to compositions and methods of generating synthetic antigen receptors or SAR (e.g., SIR, zSiR, cTCR, ab-TCRs, AABD-TCRs, IFF, TACs etc.) and antibodies (e.g., bi specific antibodies, DARTs etc.) comprising one or more novel antigen binding domains. SARs as described comprise single chain immune receptors (e.g., 1st, 2nd and 3rd generation chimeric antigen receptors, TFPs, Tri-TAC and the like) and multiple chain immune receptors (e.g, SIR, zSIR, cTCR, ab-TCR, AABD-TCR, αβ'T'P, yclTFP, recombinant TCRs etc.). SARs are able to redirect immune cell specificity and reactivity toward one or more selected targets exploiting the antigen -binding domain properties.

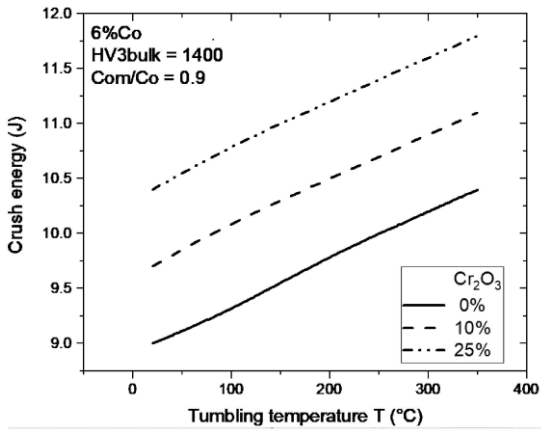


A1/A2 = TCR constant chain domain comprising connecting peptide (Table 14), transmembrane (Table 15), and cytosolic domain (Table 16)
B1/B2 = Ig like linker domain (e.g., IgCL, IgG1-CH1, TCRa-Ig-Like-C1-Domain-6MD etc.; see Table 13)
C1/C2 = vL, VH, Va, Vb, Vg, Vd
D1/D2 = AABD
E1/E2 = AABD
F1/F2=AABD

21: 2022/10530. 22: 2022/09/22. 43: 2025/01/31
51: A61K; A61Q
71: Colgate-Palmolive Company
72: CRUZ, Luis Alberto, ZUNIGA, Arturo, CHEN, Changlong, SHEN, Hongwei, SHAHANI, Komal, SOLIMAN, Nadia, KHAN, Amira
33: US 31: 63/001,757 32: 2020-03-30
54: PERSONAL CARE COMPOSITIONS
00: -
Described herein are personal care compositions comprising a sulfate-free surfactant system and a preservative system comprising an organic acid; along with methods of making and using same.

21: 2022/10644. 22: 2022/09/26. 43: 2025/02/04
51: B22F; B24B; C21D; C22C; E21B
71: Sandvik Mining and Construction Tools AB
72: LILJA, Mirjam, GARCIA, José Luis, BLOMQVIST, Andreas, ARVANITIDIS, Ioannis, HOLMSTRÖM, Erik
33: EP(SE) 31: 20174546.0 32: 2020-05-14
54: METHOD OF TREATING A CEMENTED CARBIDE MINING INSERT
00: -

A method of redistributing the binder phase of a cemented carbide mining insert comprising a WC hard-phase component, optionally one or more further hard-phase components and a binder comprising the steps of providing a green cemented carbide mining insert; applying at least one binder puller selected from a metal oxide or a metal carbonate to only at least one local area of the 5 surface of the green cemented carbide insert; sintering the green carbide mining insert to form a sintered cemented carbide insert; and subjecting the sintered cemented carbide insert to dry tumbling process executed at an elevated temperature of or above 100°C, preferably at a temperature of or above 200°C, more preferably at a temperature of between 200°C and 450°C.

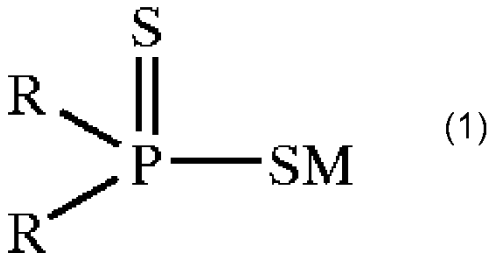


21: 2022/11238. 22: 2022/10/13. 43: 2025/03/05
51: B09B; C01B; C01G; C22B
71: YARA INTERNATIONAL ASA
72: KITA, Patrycja, VOJNOVIC, Tanja, SUND, Lene, BØYESEN, Katrine Lie, JØRGENSEN, Tom Rames
33: EP 31: 20180341.8 32: 2020-06-16

54: METHOD FOR TREATING SOLID HAZARDOUS HEAVY METAL-CONTAINING COMPOSITIONS

00: -

The present disclosure discloses a method for converting a solid hazardous heavy metal-containing composition into a solid non-hazardous heavy metal-containing composition and an aqueous composition essentially free of heavy metal. The method comprises the steps of a) mixing and dissolving the solid hazardous heavy metal-containing composition with an acid solution, thereby obtaining an hazardous heavy metal acid composition; b) precipitating the heavy metal from the hazardous heavy metal acid composition by: measuring the pH of the acid composition after a 13-fold dilution by volume using water, and adjusting the pH of the solid hazardous heavy metal-containing composition to at least 0.9 if the measured pH is below 0.9; and by reacting the hazardous heavy metal acid composition with a heavy metal-precipitation agent; and c) precipitating the heavy metal from the hazardous heavy metal acid composition by adjusting the pH value of the composition to a value of at least 0.9 if the pH measured in step b) is below 0.9 and by reacting with a heavy metal- precipitation agent; and d) separating out the heavy metal precipitate from the aqueous supernatant, whereby the solid inert heavy metal-containing composition comprises the heavy metal precipitate and the aqueous composition essentially free of heavy metal comprises the aqueous supernatant. The heavy metal-precipitation agent comprises a diorgano-dithiophosphinic acid or the alkali metal or ammonia salts thereof represented by Formula (1), Formula (1) wherein R is a linear or branched hydrocarbon group selected from alkyl, aryl, alkylaryl, or aralkyl, and wherein the hydrocarbon group contains 3 to 20 carbon atoms, and M is H, alkali metal or ammonia. The present disclosure further relates to the use of the heavy metal-precipitation agent for converting the solid hazardous heavy metal-containing composition into the solid non-hazardous heavy metal- containing composition and the aqueous composition essentially free of heavy metal.



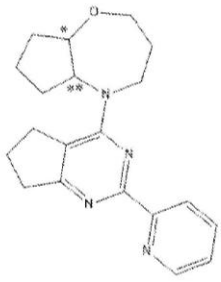
(1)

21: 2022/11395. 22: 2022/10/18. 43: 2025/02/04
51: C12N
71: DuoGenic Stemcells Corporation
72: KIYOKAWA, Masataka, SU, Hong-Lin, SHEN, Ching-I, WANG, Fu-Hui, HSIEH, Chia-Ying
33: AU 31: 2020901243 32: 2020-04-20

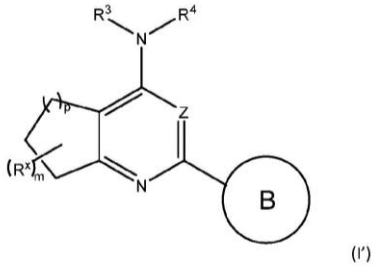
54: MODIFIED MACROPHAGES, COMPOSITIONS AND USES THEREOF

00: -
The present invention provides modified monocytes, modified macrophages, pharmaceutical compositions comprising the modified monocytes or modified macrophages described herein and at least one pharmaceutically acceptable carrier or excipient. Uses of the modified monocytes or the modified macrophages for the treatment of musculoskeletal diseases and inducing cartilage formation are provided. Also disclosed herein are in vitro culture methods for generating the modified macrophages.

21: 2022/11401. 22: 2022/10/18. 43: 2025/02/03
51: A61K; A61P; C07D
71: Global Blood Therapeutics, Inc.
72: XU, Qing, ALT, Carsten, LI, Zhe, NILAR, Shahul, RADEMACHER, Peter Michael, YEE, Calvin Wesley
33: US 31: 63/016,891 32: 2020-04-28
54: CYCLOALKYL PYRIMIDINES AS FERROPORTIN INHIBITORS
00: -
The subject matter described herein is directed to ferroportin inhibitor compounds of Formula I or I' and pharmaceutical salts thereof, methods of preparing the compounds, pharmaceutical compositions comprising the compounds, and methods of administering the compounds for prophylaxis and/or treatment of diseases caused by a lack of hepcidin or iron metabolism disorders, particularly iron overload states, such as thalassemia, sickle cell disease and hemochromatosis, and also kidney injuries.



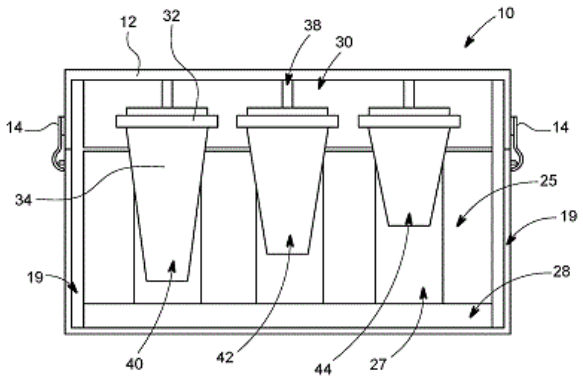
(I)



(I')

21: 2022/11684. 22: 2022/10/26. 43: 2025/02/18
51: B65D
71: JENSEN, Eugene, PEEK, Johannes, Samuel
72: JENSEN, Eugene, PEEK, Johannes, Samuel
33: ZA 31: 2020/02602 32: 2020-05-11
54: INSULATING HOLDER AND METHOD FOR TRANSPORTING BEVERAGES
00: -
The invention provides an insulating transport container (10) for transportation of beverages in ready to drink on demand beverage containers over short distances where temperature control is needed inside the beverage container when transporting the hot or cold beverages and which includes an insulating holder for cups (34) positioned or placed therein, which insulating holder (25) reduces temperature changes and inhibits spillage during transportation of cups (34) containing a beverage, wherein the holder includes one or more self supporting resiliently deformable insulating material portions with at least one portion (24) having a plurality of cup receiving cavities (26), which holder is sized and dimensioned to be placed inside the transport container for the transportation of beverages. The invention further provides an insert cover (50) for a beverage cup, said insert cover being a sheet of food grade material which is larger or equivalent in diameter to the top of the cup on which it is to be used and, in use, is placed or inserted to form a cover insert between the top of the

cup and a sealing lid, provided that the cover is not sealed or otherwise secured to the cup prior to placing of the lid onto the cup and is only inserted after a beverage has been dispensed into the cup. The invention extends to a method of transporting a beverage.



21: 2022/11885. 22: 2022/11/01. 43: 2025/04/10
51: A61Q
71: MNGUNI, Zanoxolo
72: MNGUNI, Zanoxolo
33: ZA 31: 2021/09202 32: 2021-11-18
54: COMPOSITIONS FOR PROMOTING HAIR GROWTH
00: -
Compositions are provided which are capable of stimulating hair growth on areas of the skin that exhibit hair loss or stunted hair growth. In addition, the compositions are capable of improving the health of hair and skin through topical administration of the compositions thereto.

21: 2022/11891. 22: 2022/11/01. 43: 2025/02/13
51: C07K; A61K
71: HB BIOTECH, INC.
72: SEIFAN, ALON
33: US 31: 63/011,932 32: 2020-04-17
33: US 31: 63/111,156 32: 2020-11-09
54: COMPOSITIONS AND METHODS FOR TREATING NEUROPSYCHIATRIC DISORDERS
00: -
The present invention features compositions and methods for treating brain and/or behavioral health disorders and their associated symptoms.

21: 2022/11954. 22: 2022/11/02. 43: 2025/02/03
51: C07C; A61K; A61P
71: LUNELLA BIOTECH, INC.
72: LISANTI, MICHAEL P, SOTGIA, FEDERICA, OZSVARI, BÉLA, KANGASMETSA, JUSSI
33: US 31: 63/024,216 32: 2020-05-13
54: MYRISTOYL DERIVATIVES OF 9-AMINO-DOXYCYCLINE FOR TARGETING CANCER STEM CELLS AND PREVENTING METASTASIS
00: -
Disclosed are 9-amino-doxycycline derivatives that target cancer stem cells and inhibit cancer metastasis. These compounds selectively target CSCs, potently inhibit tumor cell metastasis in vivo, with little or no toxicity, and minimize the risk of driving antibiotic resistance. In one embodiment, a 14 carbon fatty acid moiety is covalently attached to the free amino group of 9-amino-doxycycline. The resulting "Doxy-Myr" conjugate is over 5 -fold more potent than doxycycline for inhibiting the anchorage-independent growth of MCF7 CSCs. Doxy-Myr did not affect the viability of the total MCF7 cancer cell population or normal fibroblasts grown as 2D-monolayers, showing remarkable selectivity for CSCs. Doxy-Myr did not show antibiotic activity, against Escherichia coli and Staphylococcus aureus. Conjugates having either longer (16 carbon; palmitic acid) or shorter (12 carbon; lauric acid) fatty acid chain lengths had similar activity.

21: 2022/12153. 22: 2022/11/07. 43: 2025/02/21
51: B01D; C02F; E03B
71: JUDDHOO, Rishen
72: JUDDHOO, Rishen
33: ZA 31: 2020/02433 32: 2020-05-05
54: ATMOSPHERIC WATER GENERATOR
00: -
This invention relates, generally, to the collection of water. More specifically, the invention relates to an atmospheric water generator, to a condensation arrangement for an atmospheric water generator, and to a process for extracting water from air. The generator disclosed herein comprises a coolant chilling unit, a condensation arrangement, and a water holding and/or filtration arrangement which cooperate to extract water from air and store and/or filter the same for use.

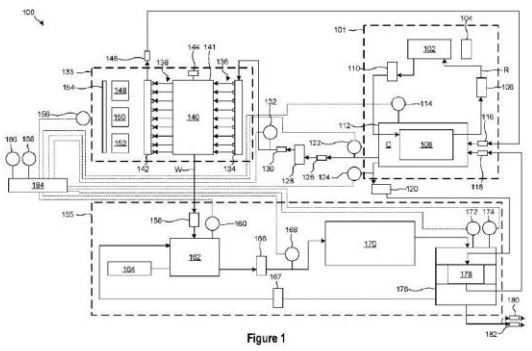
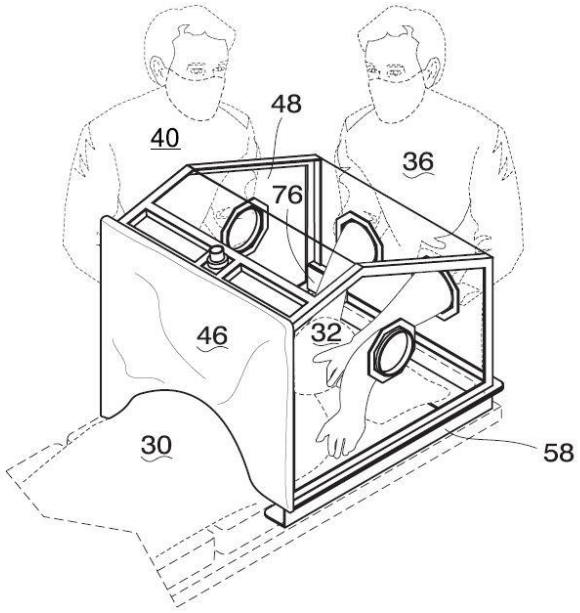


Figure 1

21: 2022/12810. 22: 2022/11/24. 43: 2025/04/02
51: A61B; A61G
71: STELLENBOSCH UNIVERSITY
72: FUZY, Edward Joseph
33: GB 31: 2008435.6 32: 2020-06-04
54: CONTAINMENT DEVICE
00: -
A containment device (10) includes a substantially transparent structure (12) having a top (14), open bottom (16) with bottom edges (18) aligned in a plane to form a planar base (20), and a plurality of sidewalls (22, 24, 26) extending from the bottom (16) to the top (14) that define an interior (28) for a patient's head (32). A first sidewall (22) has a pair of access openings (34) for an operator's hands, and an open end (44) opposite the first sidewall (22) is sized to accommodate at least a portion of the patient's upper body when in use. The top includes a fist transparent panel (48) extending from the first sidewall (22) towards the open end (44) at an upward incline relative to the plane (AA) of the base (20), the first transparent panel (48) providing the operator with an undistorted and unobstructed view of the patient's head.



21: 2022/12841. 22: 2022/11/25. 43: 2025/02/11
51: G08B
71: ESKOM HOLDINGS SOC LIMITED
72: DE KLERK, Nicolaas, KLEYNHANS, Theo, VAN LOGGERENBERG, Conrad
54: ACOUSTIC CABLE ALARM DEVICE, SYSTEM AND METHOD
00: -
The invention relates to the monitoring of underground elements such as cables to detect theft, tampering, or the like. A monitoring and alarm system is disclosed, as well as a sensing arrangement for such a system, an alarm device for such a system, and a method of monitoring an underground element. The system includes a sensing arrangement configured to be installed underground. The sensing arrangement includes one or more acoustic sensing devices and one or more acoustic ducts. The system further includes an alarm device connected to the sensing arrangement. The alarm device processes signals detected by the acoustic sensing devices and causes an alarm message to be transmitted when a potential digging event is identified in the ground in proximity to the sensing arrangement.

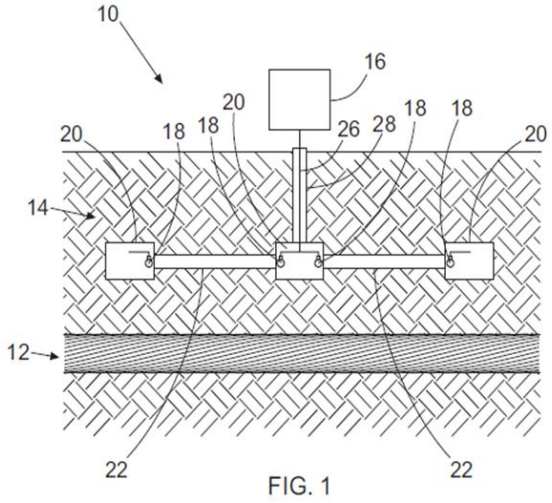


FIG. 1

21: 2022/12857. 22: 2022/11/25. 43: 2025/02/03
51: G06F
71: QUIXOTIC LABS INC.
72: ITANI, SARA
33: US 31: 63/029,556 32: 2020-05-24
54: DOMAIN-SPECIFIC LANGUAGE INTERPRETER AND INTERACTIVE VISUAL INTERFACE FOR RAPID SCREENING
00: -
This application discloses improved systems and methods that allow a user of a computing system specially configured for a domain to explore and filter data in an attribute-rich data set to test winnowing strategies and discover targets of particular interest. The technology includes an input interface such as multiline editor that allows the user to enter, amend, add, insert, subtract, change, and otherwise freely edit entered symbols and operators at any time. A domain-specific language interpreter processes the entered symbols and operators on a continual basis as they are updated. An interactive visual interface also includes a grid view that displays live results that update according to current contents of the input interface.

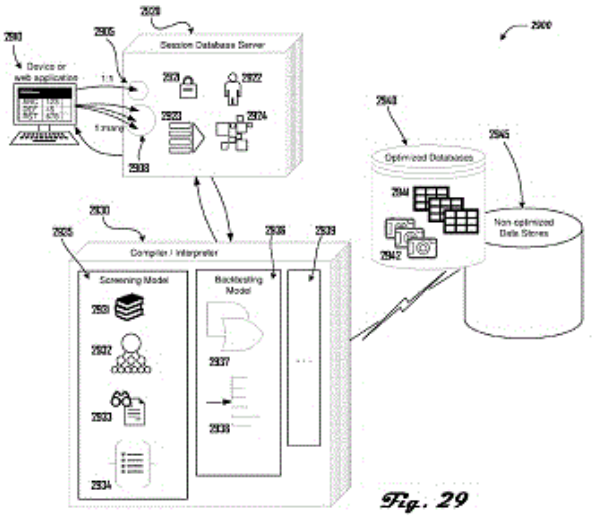
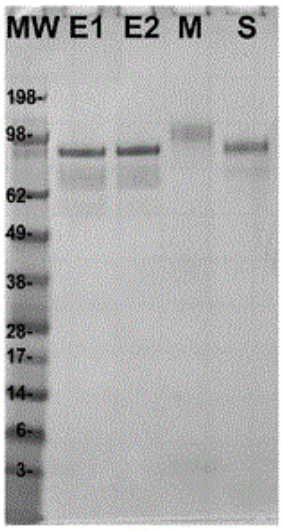
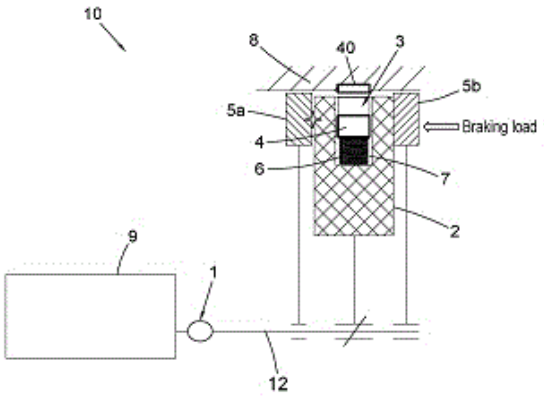


Fig. 29

21: 2022/13407. 22: 2022/12/12. 43: 2025/02/13
51: A61K
71: SOLIGENIX, INC., UNIVERSITY OF HAWAII
72: DONINI, OREOLA, LEHRER, AXEL
33: US 31: 62/850,443 32: 2019-05-20
54: COMPOSITIONS AND METHODS OF MANUFACTURING TRIVALENT FILOVIRUS VACCINES
00: -
Disclosed is a stable immunogenic composition capable of eliciting a robust and durable immune response, comprising at least one antigen consisting of a filovirus glycoprotein and at least one nano-emulsion adjuvant which are co-lyophilized and can be reconstituted immediately prior to use. Also disclosed is a vaccine composition comprising at least two antigens, wherein each antigen is specific to a different genus of filovirus and which also comprises at least one nano-emulsion adjuvant.



21: 2022/13457. 22: 2022/12/13. 43: 2025/02/13
51: F16D; H02P; B60T
71: RATIER-FIGEAC SAS
72: DELBOS, ERIC
33: EP 31: 22290001.1 32: 2022-01-27
54: BRAKE ASSEMBLY WITH THERMAL FUSE
00: -
A brake assembly (10) is provided. The brake assembly (10) includes a housing (8), a rotor disc (2), the rotor disc (2) including at least one internal cavity (7), wherein the at least one internal cavity (7) includes a pawl (4) and a thermal fuse (3). In use, the thermal fuse (3) is configured to maintain the position of the pawl (4) in the at least one internal cavity (7) when a temperature is below a predetermined threshold, and wherein the thermal fuse (3) is configured to melt when a predetermined threshold of temperature is reached during braking to release the pawl (4) out of the at least one internal cavity (7) towards the housing (8). The housing (8) includes at least one recess configured to receive the pawl.



21: 2022/13601. 22: 2022/12/15. 43: 2025/02/10
51: B03D; C22B
71: ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, ANGLO CORPORATE SERVICES SOUTH AFRICA (PTY) LTD
72: ANTHONY OWEN FILMER, CHRISTOPHER ALAN BILEY, DANIEL JOHN (DECEASED) ALEXANDER
33: US 31: 63/053,104 32: 2020-07-17
54: AN INTEGRATED HEAP LEACH PROCESS
00: -
THIS invention relates a method for processing a sulphide ore containing metal values comprising the integration of a sand heap leach (10) and a flotation process (12), providing a method which is suited to processing ores with significant quantities of leachable sulphides. The method includes a comminution step (14), and the classification of the comminuted ore into an oversize coarse fraction (16), a fine fraction (18) suitable for fine flotation and optionally an intermediate fraction (20) suitable for coarse flotation. A concentrate (30) containing iron sulphides from a fine flotation step (22) and optionally a concentrate (36) from a coarse flotation step (34) are blended with the oversize coarse fraction (16), to obtain a blended ore (39) is stacked and subjected to a heap leach process (40).

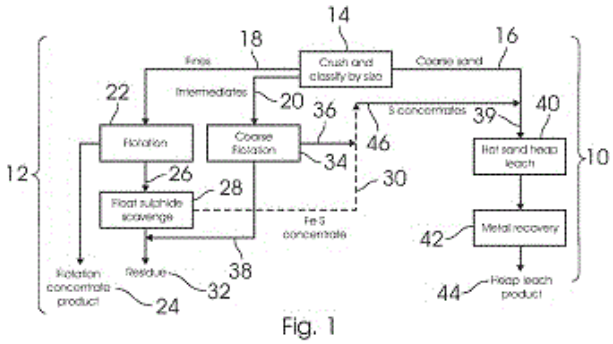


Fig. 1

21: 2022/13963. 22: 2022/12/22. 43: 2025/02/10
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: GU, XUELAN, MI, TINGYAN, XIAO, XUE, ZHANG, HONG
33: CN 31: PCT/CN2020/105837 32: 2020-07-30
33: EP 31: 20196143.0 32: 2020-09-15
54: A PERSONAL CARE COMPOSITION COMPRISING ATRACTYLENOLIDE-I OR A SOURCE THEREOF
00: -
The present invention relates to a personal care composition. In particular, the present invention relates to a personal care composition for providing benefits against hyperpigmentation. Accordingly, the present invention discloses a personal care composition comprising: a. Atractylenolide-I or a source of Atractylenolide-I; and b. A hydroxy fatty acid having the number of carbon atom from 12 to 20.

21: 2022/13975. 22: 2022/12/22. 43: 2025/03/24
51: A41G; B65D
71: I&I Hair Corp.
72: Hyun Han
54: HAIR EXTENSION PACKAGING APPARATUS
00: -
A hair extension packaging apparatus is disclosed and configured for supporting at least one hair extension thereon. In at least one embodiment, the apparatus provides a substantially planar upper portion, a substantially planar lower portion spaced apart from the upper portion, and a substantially planar transition portion interconnecting the upper and lower portions such that the upper and lower portions are linearly offset from one another. A front surface of the upper portion provides at least one mounting mechanism positioned and configured for removably securing the at least one hair extension thereto. The transition portion provides at least one extension aperture positioned and configured for allowing a free length of the at least one hair extension to extend therethrough, such that the free length of the at least one hair extension is positioned substantially adjacent to a rear surface of the lower portion.

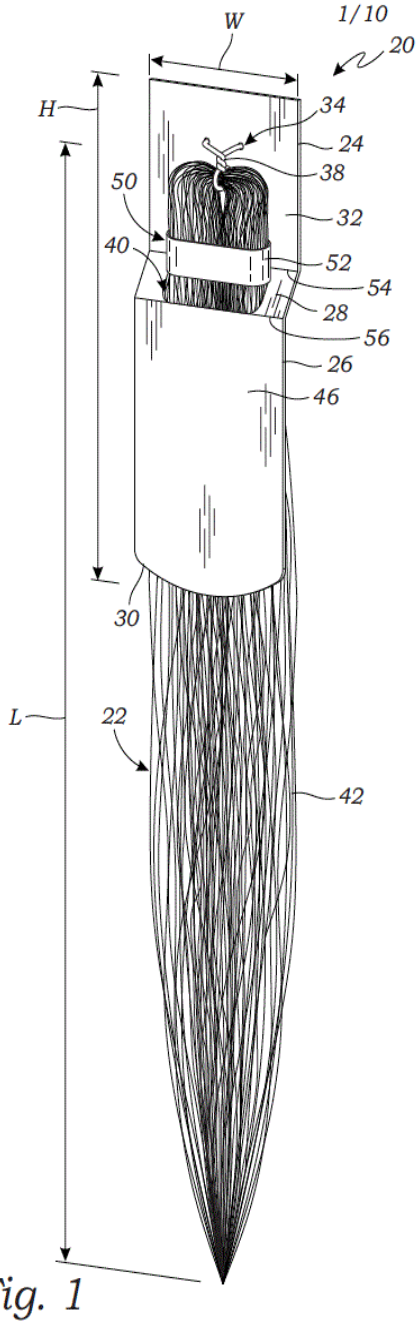


Fig. 1

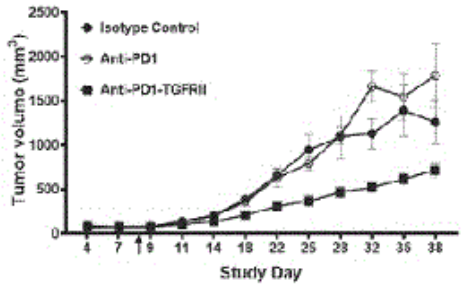
21: 2023/00423. 22: 2023/01/10. 43: 2025/02/21
51: A61K; C07K

71: PRECIGEN, INC.
72: SABZEVARI, HELEN, METENOU, SIMON, CHEN, CHANGHUNG, SHAH, RUTUL R
33: US 31: 62/863,710 32: 2019-06-19
33: US 31: 62/695,627 32: 2018-07-09
33: US 31: 62/695,623 32: 2018-07-09
33: US 31: 62/864,367 32: 2019-06-20
33: US 31: 62/866,420 32: 2019-06-25

54: FUSION CONSTRUCTS AND METHODS OF USING THEREOF

00: -

Provided herein is a composition comprising a fusion protein or a fragment or a variant thereof comprising an anti-PD1 antibody or a fragment/variant thereof and a TGF- trap. Provided herein is a composition comprising a fusion protein or a fragment thereof or a variant thereof comprising an anti-PD1 antibody or a fragment/variant thereof and a ADA2 polypeptide. Also provided herein are methods of using the composition in treating cancer.



21: 2023/03449. 22: 2023/03/09. 43: 2025/02/13
51: C07D; A61K; A61P
71: GENENTECH, INC., F. HOFFMANN-LA ROCHE AG
72: HOFFMANN-EMERY, FABIENNE, KONRATH, MANUEL, LAUTZ, CHRISTIAN, NIEDERMANN, KATRIN MONIKA, ORCEL, UGO JONATHAN, CARRERA, DIANE ELIZABETH
33: US 31: 63/087,109 32: 2020-10-02

54: PROCESS FOR THE PREPARATION OF BIHETEROARYL COMPOUNDS AND CRYSTAL FORMS THEREOF

00: -

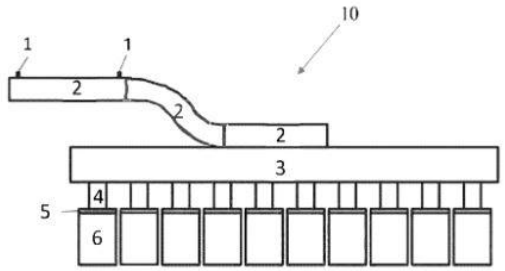
Processes for preparing biheteroaryl compounds are provided, including the biheteroaryl compound 3-(difluoromethoxy)-5-[2-(3,3-difluoropyrrolidin-1-yl)-6-[(1S,4S)-2-oxa-5-azabicyclo[2.2.1]heptan-5-yl]pyrimidin-4-yl]pyridin-2-amine. Among other advantages, the processes provide for: the use of solvents that are relatively non-toxic and inexpensive; reduced usage of expensive precious metal catalysts; reaction temperature reduction in certain steps; the use of relatively non-toxic oxidation agents; the use of inexpensive transition metal catalysts; a reduction of molar ratios of certain reactants thereby improving process efficiency while reducing cost and waste; significantly higher reactant concentrations in certain steps; elimination of the need for multiple chromatographic purification steps; elimination of the need for certain extraction steps using organic solvent; and provide for higher yield and improved purity.

21: 2023/04413. 22: 2023/04/13. 43: 2025/01/22
51: C25C; G01N
71: ELYSIS LIMITED PARTNERSHIP
72: D'ASTOLFO, Leroy, FINDLEY, Nicholas
33: US 31: 63/106,517 32: 2020-10-28

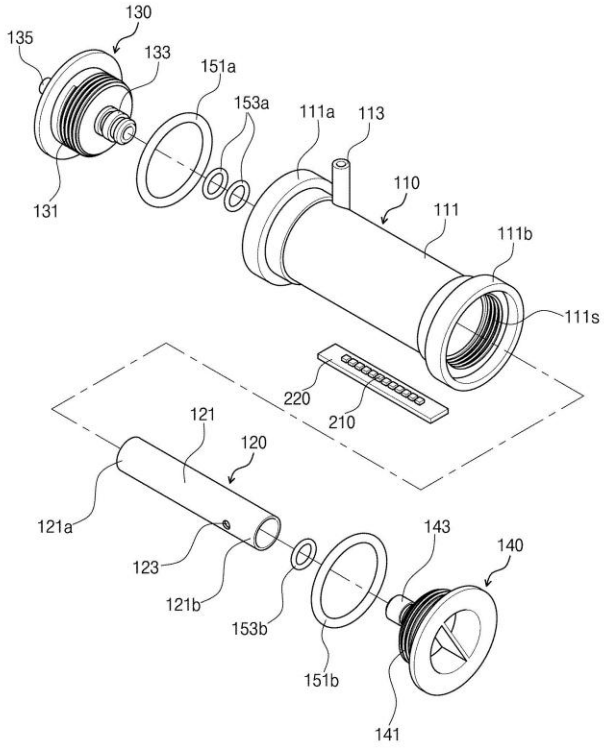
54: DETECTING THERMITE REACTIONS IN AN ELECTROLYTIC CELL

00: -

A method for detecting a thermite reaction in an electrolytic cell comprising an anode assembly of one or more metal-oxidecontaining anodes is disclosed. Each anode assembly is powered by a current provided through a distinct anode rod for each anode assembly. The method comprises: measuring a voltage drop using a pair of voltage probes located on the anode rod, the voltage drop corresponding to a current flow in the anode assembly; processing the voltage drop by computing at least one of the voltage drop derivative, the voltage drop variance, and the derivative of the voltage drop variance; and detecting a thermite reaction based on the results of the signal processing, before mitigating and/or suppressing the thermite reaction by adjusting the operational parameters of the electrolytic cell. This method is particularly advantageous as it reduces the number of voltage drops necessary for detecting a thermite reaction by a factor of 10.



21: 2023/04756. 22: 2023/04/25. 43: 2025/02/13
51: A61L; C02F
71: Seoul Viosys Co., Ltd.
72: JEONG, Jae-Hak, JUNG, Sang-Wook, JEONG, Woong-Ki, CHOI, Jae-Young
33: KR 31: 10-2017-0088694 32: 2017-07-12
54: FLUID TREATMENT APPARATUS
00: -
A fluid sterilization apparatus includes a pipe for providing a path through which a fluid flows, and at least one light source module which is coupled to the pipe and emits light for treating the fluid into the pipe. The pipe includes an outer pipe having an inlet port through which the fluid is introduced at a first flow rate, and an inner pipe which is provided within the outer pipe and has an outlet port through which the fluid is discharged at a different flow rate from the first flow rate.



21: 2023/04893. 22: 2023/05/02. 43: 2025/02/13
51: C07K; A61P
71: TAKEDA PHARMACEUTICAL COMPANY LIMITED
72: MAY, CHAD, DUBRIDGE, ROBERT B, VINOGRADOVA, MAIA, PANCHAL, ANAND
33: US 31: 62/586,627 32: 2017-11-15
33: US 31: 62/587,318 32: 2017-11-16
33: US 31: 62/555,943 32: 2017-09-08
54: CONSTRAINED CONDITIONALLY ACTIVATED BINDING PROTEINS
00: -
The invention relates to COnditional Bispecific Redirected Activation constructs, or COBRAs, that are administered in an active pro-drug format. Upon exposure to tumor proteases, the constructs are cleaved and activated, such that they can bind both tumor target antigens (TTAs) as well as CD3, thus recruiting T cells expressing CD3 to the tumor, resulting in treatment.

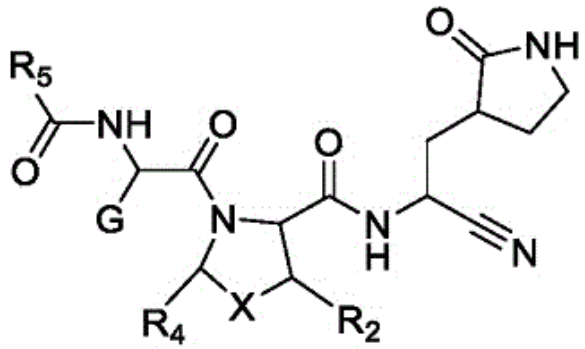
21: 2023/05166. 22: 2023/05/10. 43: 2025/02/14
51: C07D; A61K; A61P
71: FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.
72: CHEN, SHUHUI, YANG, YAXUN, ZHANG, JIANCHEN, LI, PENG, HE, HAIYING, WANG, ZHENG, LI, JIAN

33: CN 31: 202110879570.2 32: 2021-07-30
33: CN 31: 202111040878.4 32: 2021-09-06
33: CN 31: 202110517743.6 32: 2021-05-12
33: CN 31: 202111307043.0 32: 2021-11-05
33: CN 31: 202111567163.4 32: 2021-12-20
33: CN 31: 202110413867.X 32: 2021-04-16
33: CN 31: 202110659242.1 32: 2021-06-11
33: CN 31: 202111088812.2 32: 2021-09-16
33: CN 31: 202210029887.1 32: 2022-01-12
33: CN 31: 202110637580.5 32: 2021-06-08
33: CN 31: 202111343012.0 32: 2021-11-12
33: CN 31: 202111433962.2 32: 2021-11-29
33: CN 31: 202210170046.2 32: 2022-02-23

54: RING-MODIFIED PROLINE SHORT PEPTIDE COMPOUND AND USE THEREOF

00: -

Disclosed are a ring-modified proline short peptide compound and the use thereof, and specifically disclosed is a compound represented by formula (x) or a pharmaceutically acceptable salt thereof.



(X)

21: 2023/05302. 22: 2023/05/15. 43: 2025/02/13
51: E21B
71: CATERPILLAR GLOBAL MINING EQUIPMENT LLC, CATERPILLAR GLOBAL MINING HMS GMBH
72: SHAHID, AHSAN, MOBERG, CARL J, DIEKMANN, TIMO
33: US 31: 17/076,456 32: 2020-10-21

54: DRILLING TOOL LOADING CONTROL SYSTEM

00: -

A pipe loading system is provided for a blast hole drilling rig (100). The blast hole drilling rig includes a drilling platform (105), a drill tower (26) supported on the drilling platform (105), a drill motor supported at an upper end (34) of the drill tower (26), operatively coupled to a drilling head configured to selectively engage with and rotate a drill pipe (120), and a pipe loader (130, 230) pivotably supported on the drilling platform (105) and configured to selectively index a drilling tool into coaxial alignment with the drill pipe (120) during a drilling tool change-out operation. The pipe loader (130, 230) includes a pipe support pod (136, 236) at a lower end and a pipe holding clamp at an upper end. Sensors (142, 154) detect a presence of the drilling tool in the pipe holder, an interconnection between the drilling head and the drill pipe (120), and a state of the pipe holding clamp. The pipe loading system closes the pipe holding clamp when the drilling tool is in the pipe loader and the pipe holding clamp is in an open position.

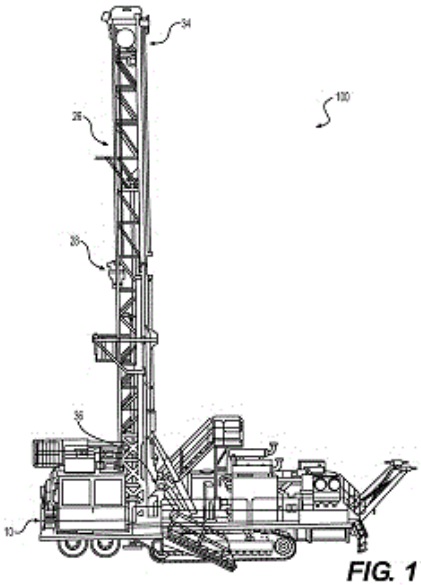


FIG. 1

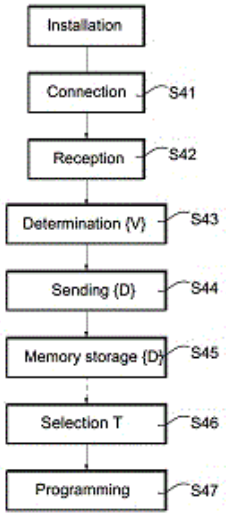
21: 2023/05471. 22: 2023/05/19. 43: 2025/02/13
51: F42D
71: DAVEY BICKFORD
72: GUYON, FRANCK, TROUSSELLE, RAPHAËL, COMBRINCK, STEPHANUS JOHANNES MARAIS, DUMANOIR, LOU
33: FR 31: FR2013388 32: 2020-12-17

54: METHOD FOR INSTALLING A SET OF ELECTRONIC DETONATORS AND ASSOCIATED IGNITION METHOD

00: -

A method for installing a set of electronic detonators into blast holes of a workface comprises the following steps: - connection (S41) of the detonators, loaded into the blast holes, to a mobile test device; - receipt (S42), by the mobile test device, of a message sent by each detonator; - determination

(S43), using this message, of a set of values {V} representative of the total number of detonators connected to the mobile test device; - sending (S44), to one or more detonators of the set, a set of data {D} to be stored comprising the set of values {V} representative of the total number of detonators connected to the mobile test device; and - storage (S45) of the set of data {D} in recording means of one or more detonators of the set of electronic detonators. Use for later verifying the connection of the detonators before ignition.



21: 2023/05472. 22: 2023/05/19. 43: 2025/02/14
51: F16H; B66B
71: LIFTWAVE, INC. DBA RISE ROBOTICS
72: SESSIONS, BLAKE, SEPP, TOOMAS
33: US 31: 17/335,269 32: 2021-06-01
33: US 31: 63/129,695 32: 2020-12-23
54: SELF-REELING BELT DRIVE MECHANISM
00: -
The present disclosure involves a belt drive mechanism which can be used to pay out or draw belt to or from a belt actuated system (or belt driven system). The mechanism features a self-winding spool which can automatically wind or unwind portions of the belt as they are withdrawn from, or fed to the belt actuated system. A second rotational axle (idler shaft), with one or more sheaves (e.g., pulley's or rollers) can be rotationally coupled to a capstan via a belt, and can be utilized to drive additional mechanisms in the belt drive mechanism, such as a winding mechanism.

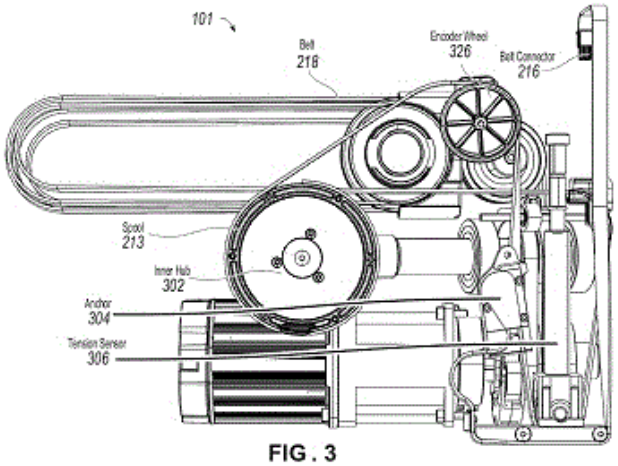
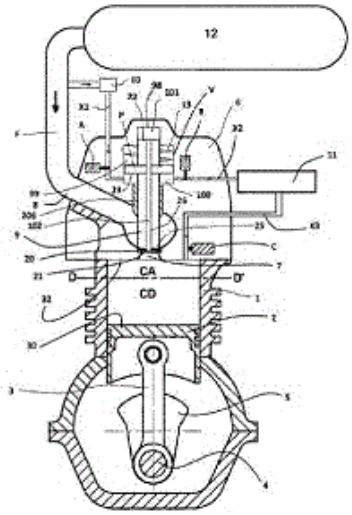
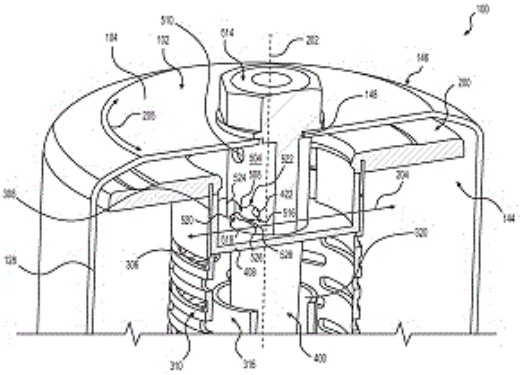


FIG . 3

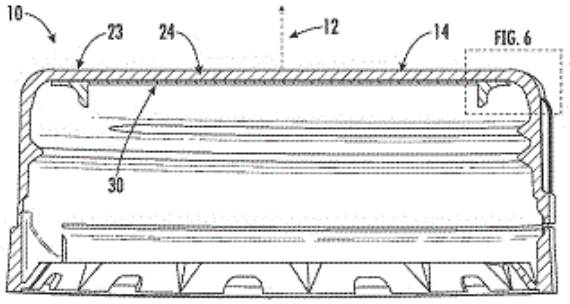
21: 2023/05509. 22: 2023/05/22. 43: 2025/02/13
51: F01B; F01L; F04B
71: MOTOR DEVELOPMENT INTERNATIONAL S.A.
72: NEGRE, CYRIL, HURTH, CHRISTOPHE
54: COMPRESSED-AIR ENGINE WITH INTEGRATED ACTIVE CHAMBER AND ACTIVE DISTRIBUTION WITH BALANCED VALVE
00: -
The invention relates to an engine with an active chamber (CA) comprising a cylinder (1) supplied with compressed air, a piston (2), a cylinder head (6) that comprises an intake pipe (8), an intake opening (7), an intake valve (9), in which the volume of the cylinder (1) is divided into an integrated active chamber (CA) and an expansion chamber (CD) and the torque and the speed of the engine are controlled by the opening and the closing of the intake valve (9), characterised in that, in its opening direction, the intake valve (9) moves in the opposite direction to the flow of the pressurised gas stream and, in its closed position, it is held closed on a seat (20) by a return spring (13), and in that the axial forces exerted on the intake valve (9) which result from the pressure prevailing in the intake pipe (8) and in the cylinder (1) are permanently balanced.



21: 2023/05529. 22: 2023/05/22. 43: 2025/02/13
51: B01D
71: CATERPILLAR INC.
72: OEDEWALDT, STEPHEN E, IMMEL, JON T, RIES, JEFFREY R, MOREHOUSE III, DARRELL L
33: US 31: 17/102,831 32: 2020-11-24
54: FILTER INTERLOCK WITH TABS MATING WITH A PEDESTAL OR A HOUSING
00: -
A pedestal (500) for use with a canister filter system (100) and a filter element (200) for positioning and retaining the filter element (200) in the canister filter system (100) includes an at least partially annular body (502) defining a longitudinal axis (202), a radial direction (204), and a circumferential direction (205). Also, the pedestal (500) includes an annular wall (504) that terminates at a bottom free end (506), and that defines a slot (508) that extends axially upwardly and circumferentially from the bottom free end (506). A flow aperture (510) extends through the annular wall (504) that is disposed axially above the slot (508).

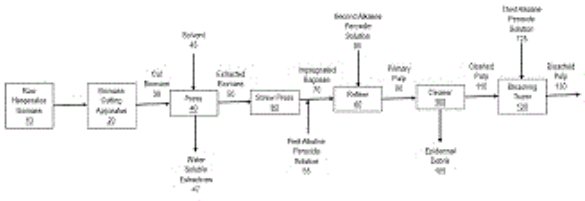


21: 2023/05606. 22: 2023/05/24. 43: 2025/02/13
51: B65D
71: SILGAN WHITE CAP LLC
72: YONKERS, DAVID RICHARD, NEPUTY, DARREN
33: US 31: 63/129,015 32: 2020-12-22
54: VENTING CLOSURE LINER
00: -
A closure having a liner is provided. The liner forms one or more venting recesses that facilitate relieving pressure from a container to which the closure is affixed. In embodiments the liner extends from an outer surface of an annular wall through an outer disc of the liner.

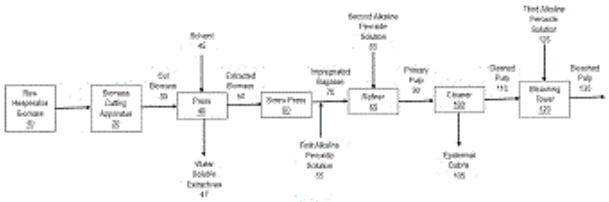


21: 2023/05851. 22: 2023/05/31. 43: 2025/02/13
51: D21H; D21C
71: KIMBERLY-CLARK WORLDWIDE, INC.
72: PAULSON, DAVID J, SHANNON, THOMAS G, ACKERLY, SAMANTHA C, UNDERHILL, RICHARD L, YU, ZHIYING
33: US 31: 63/110,597 32: 2020-11-06
54: DISPERSIBLE NON-WOOD PULP
00: -
Disclosed are non-wood pulps having a fiber length greater than about 1.70 mm and a Very Long Fiber (VLF) content of about 0.50% or less. The fibers are readily dispersible in water and useful in the

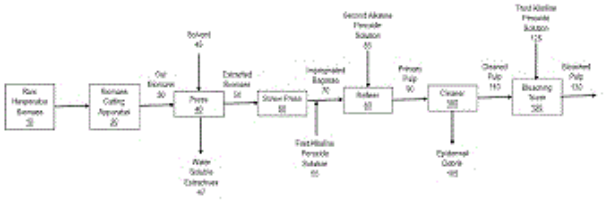
formation of fibrous sheets, particularly wet-laid sheets and more particularly wet-laid tissue sheets having a relatively low basis weight. In addition of having a relatively long fiber length and a low VLF content, the pulps may also have a Dispersivity Index of about 2.00 or less, which is indicative of a relatively narrow fiber length distribution. The pulps may be prepared from plants of the family Asparagaceae by mechanical pulping and more preferably by a chemi-mechanical pulping process using an alkaline and hydrogen peroxide where the plant biomass is cut to size prior to pulping.



21: 2023/05852. 22: 2023/05/31. 43: 2025/02/13
51: D21H; D21C
71: KIMBERLY-CLARK WORLDWIDE, INC.
72: YU, ZHIYING, SHANNON, THOMAS G, WEI, NING
33: US 31: 63/110,600 32: 2020-11-06
54: NON-WOOD PULP HAVING HIGH BRIGHTNESS AND LOW DEBRIS
00: -
Disclosed are non-wood pulps having a fiber length greater than about 1.70 mm and a brightness of about 80% or greater. The relatively high degree of brightness is achieved without a loss of fiber length or pulp yield. The high degree of brightness and relatively long fiber length make the pulps well suited for the manufacture of wet-laid fibrous products, particularly wet-laid tissue products. The pulps may be prepared from plants of the family Asparagaceae by mechanical pulping and more preferably by a chemi-mechanical pulping using a sodium hydroxide alkaline peroxide solution where the primary pulp is cleaned to reduce debris prior to bleaching. Preferably the cleaned primary pulp has less than about 5 wt% debris prior to bleaching.

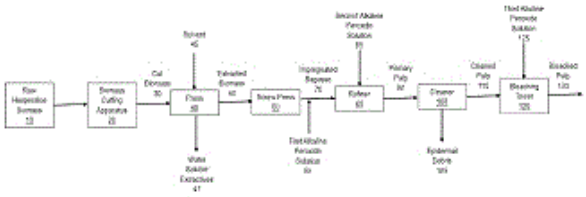


21: 2023/05853. 22: 2023/05/31. 43: 2025/02/13
51: D21H; D21C
71: KIMBERLY-CLARK WORLDWIDE, INC.
72: SHANNON, THOMAS G, ACKERLY, SAMANTHA C, YU, ZHIYING, PAULSON, DAVID J, WEI, NING
33: US 31: 63/110,600 32: 2020-11-06
54: HIGH BRIGHTNESS NON-WOOD PULP
00: -
Disclosed are non-wood pulps having a fiber length greater than about 1.70 mm and a brightness of about 80% or greater. The relatively high degree of brightness is achieved without a loss fiber length or pulp yield. The high degree of brightness and relatively long fiber length makes the pulps well suited for the manufacture of wet-laid fibrous products, particularly wet-laid tissue products. The pulps may be prepared from plants of the family Asparagaceae by mechanical pulping and more preferably by a chemi-mechanical pulping using a sodium hydroxide alkaline peroxide solution where the primary pulp is cleaned to reduce debris prior to bleaching. Preferably the cleaned primary pulp has less than about 5% debris prior to bleaching.

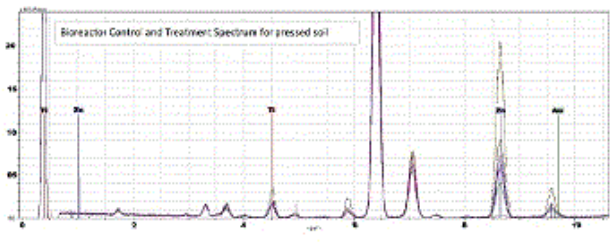


21: 2023/05859. 22: 2023/05/31. 43: 2025/02/13
51: D21H; D21C
71: KIMBERLY-CLARK WORLDWIDE, INC.
72: SHANNON, THOMAS G, YU, ZHIYING
33: US 31: 63/110,593 32: 2020-11-06
54: HIGH POROSITY NON-WOOD PULP
00: -
Disclosed are non-wood pulps having a fiber length greater than about 1.70 mm and a porosity of about 100 cfm or greater. The relatively high degree of porosity is achieved without a loss in tensile

strengths. The high degree of porosity and strength makes the pulps well suited for the manufacture of wet-laid fibrous products, particularly wet-laid tissue products. The pulps may be prepared from plants of the family Asparagaceae by mechanical pulping and more preferably by a chemi-mechanical pulping using a sodium hydroxide alkaline peroxide solution where the plant biomass is cut to size prior to pulping.



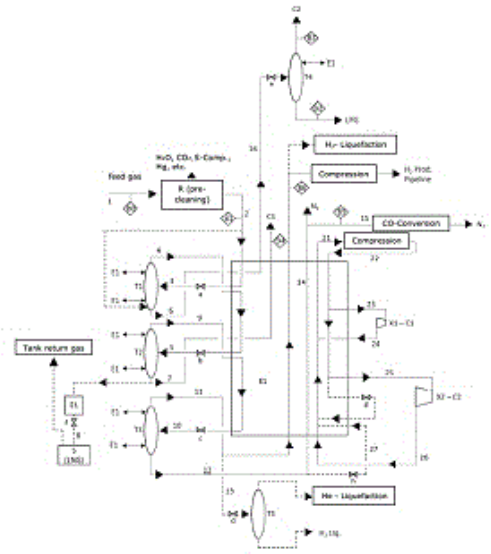
21: 2023/05912. 22: 2023/06/02. 43: 2025/02/13
51: B01D; C12N; C22B
71: ECOBIOME HOLDINGS, LLC
72: RODRIGUEZ, MARC
33: US 31: 63/120,997 32: 2020-12-03
33: US 31: 63/196,509 32: 2021-06-03
54: COMPOSTIONS AND METHODS FOR BIOLOGICAL PRODUCTION AND HARVEST OF PRECIOUS METALS, PLATINUM GROUP ELEMENTS, AND RARE EARTH ELEMENTS
00: -
The present disclosure provides an isolated Thiomonas isabelensis (ECOAU001) strain deposited at the Agricultural Research Service Culture Collection under the Accession number NRRL No. B-67995 according to the Budapest Treaty. The disclosed newly discovered bacterial strain is useful in precious metal extraction, production, and amplification. In particular, the present disclosure is directed to a novel microorganism useful to extract, produce and/or amplify precious metals and/or rare earth metals from an environmental substrate that it is cultured in.



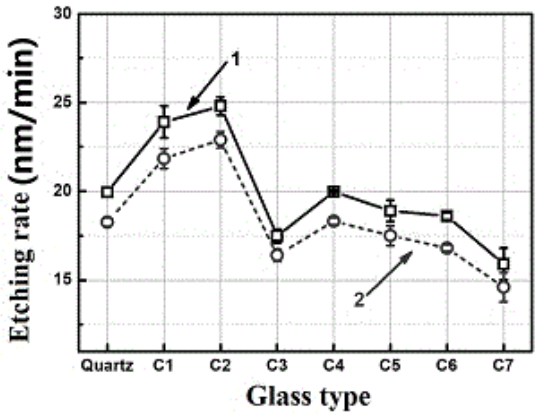
21: 2023/06096. 22: 2023/06/08. 43: 2025/02/13
51: A61K; A61P
71: NTC S.R.L., RAFARM UK LIMITED
72: MARCELLONI, LUCIANO, BERTOCCHI, FEDERICO, RASSIA, IOANNA, CHALKIAS, GEORGE, CHATZELLIS, KONSTANTINOS, FOSTIERI, EFROSINI
33: IT 31: 102020000026690 32: 2020-11-09
54: OPHTHALMIC COMPOSITION CONTAINING LEVOFLOXACIN AND KETOROLAC, METHOD FOR THE PREPARATION AND USE THEREOF
00: -
The present invention relates to a storage-stable pharmaceutical composition for ophthalmic administration in the form of an aqueous solution comprising a therapeutically effective amount of antibiotic levofloxacin or a pharmaceutically acceptable salt or derivative thereof, as a first active ingredient, and a therapeutically effective amount of non-steroidal anti-inflammatory and analgesic ketorolac or a pharmaceutically acceptable salt or derivative thereof, as a second active ingredient, wherein said first active ingredient is from about 0.4 to about 0.9% w/v and said second active ingredient is from about 0.4 to about 0.9% w/v, wherein the weight/volume percentages are expressed as g/100mL units, in order to prevent the precipitation and improve the stability of the product.

21: 2023/06101. 22: 2023/06/08. 43: 2025/02/13
51: F25J
71: XENON HOLDING GMBH
72: PETERS, NORBERT, SCHMIDT, HANS
33: DE 31: 10 2020 130 946.5 32: 2020-11-23
54: CRYOGENIC PROCESS FOR OBTAINING PRODUCT OF VALUE FROM A HYDROGEN-RICH INPUT GAS
00: -
The invention relates to a cryogenic process for obtaining a product of value, in particular hydrogen, from a hydrogen-rich input gas, in particular a hydrogen-rich natural gas, comprising the following steps: in a first separation column (T1) hydrocarbons having two or more carbon atoms are separated, in a second separation column (T2) methane is separated off, and in a third separation column (T3) nitrogen is separated off, wherein the hydrogen-rich input gas after optional prepurification R is supplied to the separation columns T1 to T3 according to steps a) to c) and the separation columns effect separation into a liquid fraction, the bottoms product, and a gas fraction, the tops product. In the cryogenic

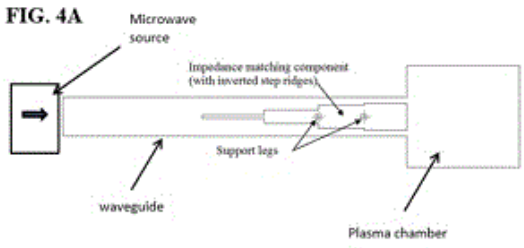
process according to the invention, provision of refrigeration is preferably effected at least partially via one or more refrigeration circuits.



21: 2023/06104. 22: 2023/06/08. 43: 2025/02/13
51: C03C; H01J
71: CHINA BUILDING MATERIALS ACADEMY
72: CAI, HUA, LIU, HUI, JIA, JINSHENG, BO, TIEZHU, ZHANG, YANG, ZHOU, DONGZHAN, SHI, XIAOXUAN, LIAN, JIAO, WANG, CHEN, LIU, CHANG
54: ION-BOMBARDMENT-RESISTANT GLASS COMPOSITION, MICROCHANNEL PLATE CLADDING GLASS, MICROCHANNEL PLATE AND PREPARATION METHOD
00: -
An ion-bombardment-resistant glass composition, microchannel plate cladding glass, a microchannel plate and a preparation method. By means of the cooperation of components and the adjustment of the amounts thereof, especially by introducing a scandium-containing and/or strontium-containing and/or zirconium-containing and/or molybdenum-containing oxide with a high single bond energy into a glass material, the surface binding energy of the glass material is improved while necessary properties desired for glass, such as a good crystallization resistance, a good acid and alkali resistance, an appropriate softening temperature, the expansion coefficient and the bulk resistance, are satisfied, the ion bombardment resistance of the microchannel plate cladding glass material is thus improved, and therefore, the service life of the microchannel plate can be substantially prolonged when high-energy ions are directly detected.

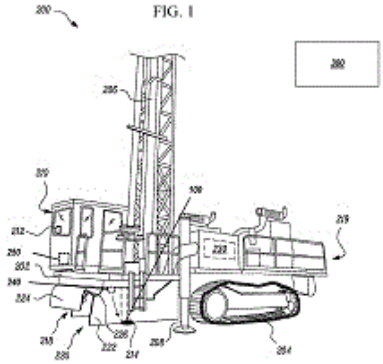


21: 2023/06207. 22: 2023/06/13. 43: 2025/02/17
51: H05H
71: SHINE TECHNOLOGIES, LLC
72: KOBERNIK, ARNE, SHERVEN, CARL, LAMERS, CASEY, SEYFERT, CHRIS, SENGBUSCH, EVAN, BECERRA, GABRIEL, LEE, JIN, CAMPBELL, LOGAN, THOMAS, MARK, TAYLOR, MICHAEL, BARROWS, PRESTON, RADEL, ROSS, GRIBB, TYE
33: US 31: 62/447,685 32: 2017-01-18
54: HIGH POWER ION BEAM GENERATOR SYSTEMS AND METHODS
00: -
Provided herein are high energy ion beam generator systems and methods that provide low cost, high performance, robust, consistent, uniform, low gas consumption and high current/high-moderate voltage generation of neutrons and protons. Such systems and methods find use for the commercial-scale generation of neutrons and protons for a wide variety of research, medical, security, and industrial processes.



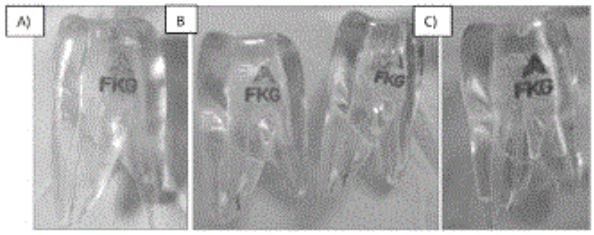
21: 2023/06212. 22: 2023/06/13. 43: 2025/02/13
51: E21B

71: CATERPILLAR GLOBAL MINING EQUIPMENT LLC
72: PETERSON, JAMES, HOWELL, RYAN
33: US 31: 17/122,131 32: 2020-12-15
54: SYSTEMS, METHODS, AND APPARATUSES FOR IDENTIFYING GROUNDWATER DURING ROCK DRILL CUTTING
00: -
A system, method, and apparatus can identify groundwater as a drilling machine (200) drills a drill hole (100). Presence or not of groundwater can be continuously monitored as the drilling machine (200) drills the drill hole (100) using one or more groundwater or moisture sensors (240) to detect moisture or water content of cuttings from the drill hole (100). Such data from the sensor(s) (240) can be processed to determine the presence or not of groundwater and associate the determination with the corresponding location within the drill hole (100). A mapping or logging of the drill hole (100) can be generated with the location or locations where the presence of groundwater is identified.



21: 2023/06296. 22: 2023/06/15. 43: 2025/02/13
51: C07D; A61K; A61P
71: HANMI PHARMACEUTICAL CO., LTD.
72: CHOI, JAE YUL, KIM, WON JEOUNG, KIM, JI SOOK, KIM, MIN JEONG, PARK, WON GI, AHN, YOUNG GIL, BAE, IN HWAN
33: KR 31: 10-2020-0180879 32: 2020-12-22
33: KR 31: 10-2021-0123208 32: 2021-09-15
54: NOVEL QUINAZOLINE DERIVATIVE COMPOUND AS SOS1 INHIBITOR, AND USE THEREOF
00: -
The present invention relates to a novel quinazoline derivative compound that serves as an SOS1 inhibitor, and a use thereof, and more specifically to: a novel quinazoline derivative compound having inhibitory activity against SOS1 binding to RAS family proteins and/or RAC1; a pharmacologically acceptable salt thereof; or a pharmaceutical composition containing the compound.

21: 2023/06392. 22: 2023/06/20. 43: 2025/02/13
51: A61C; A61K; A61P
71: PRODUITS DENTAIRES PIERRE ROLLAND
72: MAURAT, VINCENT, LANDRODIE, MARINE
33: FR 31: FR2012532 32: 2020-12-02
54: DENTAL PRODUCT FOR FORMING AN ENDODONTIC CEMENT
00: -
The present invention relates to a dental product for forming a hydroxyapatite-based endodontic cement in the presence of moisture, the cement formed being suitable for a simple retreatment operation with the ultrasonic tip.



21: 2023/06418. 22: 2023/06/21. 43: 2025/02/13
51: A24B; A24F; A61M; B05B; B06B
71: SHAHEEN INNOVATIONS HOLDING LIMITED
72: LAHOUD, IMAD, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, BHATTI, SAJID, MACHOVEC, JEFF, LAMOUREUX, CLEMENT
33: US 31: 17/220,189 32: 2021-04-01
33: US 31: 17/122,025 32: 2020-12-15
33: GB 31: 2104872.3 32: 2021-04-06
54: A HOOKAH DEVICE
00: -
A hookah device for use with a hookah having an elongate stem and a water chamber with a first end of the stem attached to the water chamber. The hookah device comprises a manifold having a manifold pipe and a plurality of apertures. Each aperture is in fluid communication with the manifold pipe and is configured to receive a mist outlet port of a respective ultrasonic mist generator device. Each aperture is formed in a respective side wall of the manifold and the manifold pipe is provided on an end wall of the manifold. The hookah device further comprises a driver device which is configured to

connect electrically to each of the mist generator devices and configured to activate the mist generator devices. The hookah device also comprises a hookah attachment arrangement which is configured to attach the hookah device to a second end of the stem of the hookah. The hookah attachment arrangement has a hookah outlet port which is in fluid communication with the manifold pipe and provides a fluid flow path out of the hookah device such that, when at least one of the mist generator devices is activated by the driver device, mist generated by each activated mist generator device combines in the manifold and flows through the manifold pipe and the hookah outlet port and out of the hookah device to the hookah.

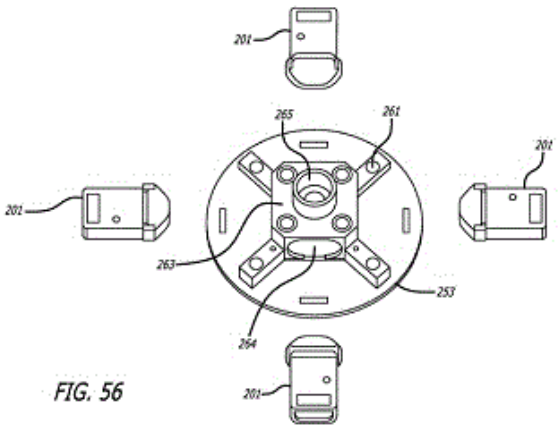


FIG. 56

21: 2023/06507. 22: 2023/06/23. 43: 2025/02/13
51: C12N; A61K; C07H
71: ALNYLAM PHARMACEUTICALS, INC.
72: CHAN, AMY, VEST, JOHN, ROBBIE, GABRIEL, ATTARWALA, HUSAIN Z, GOEL, VARUN
33: US 31: 62/435,127 32: 2016-12-16
54: METHODS FOR TREATING OR PREVENTING TTR-ASSOCIATED DISEASES USING TRANSTHYRETIN (TTR) IRNA COMPOSITIONS
00: -
The present invention provides methods for treating or preventing TTR- associated diseases using RNAi agents, e.g., double stranded RNAi agents, that target the transthyretin (TTR) gene.

21: 2023/06509. 22: 2023/06/23. 43: 2024/01/17
51: E04G
71: THREE G METAL FABRICATIONS LTD
72: BAINS, Gurdip Singh
33: GB 31: 2018760.5 32: 2020-11-27
54: A SCAFFOLD CONNECTION ELEMENT, PARTS THEREOF, AND ASSOCIATED METHODS
00: -
A scaffold connection element for coupling two scaffold members, the scaffold connection element including: a first receiver configured to receive at least part of a first scaffold member; a second receiver configured to receive at least part of a second scaffold member with the first and second scaffold members substantially parallel with each other and/or co-axial with each other; and a depth adjustment arrangement configured to adjust a depth of the first receiver, such that the depth adjustment arrangement is useable to alter a distance between the first and second scaffold members received by the scaffold connection element.

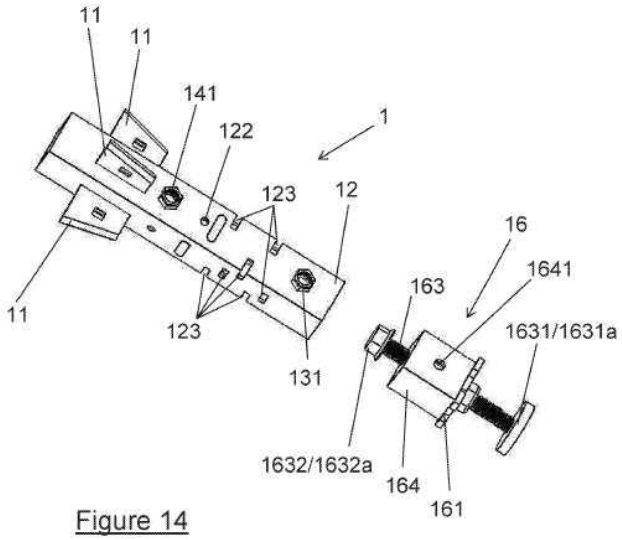


Figure 14

21: 2023/06561. 22: 2023/06/26. 43: 2025/02/13
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: AGARKHED, AJIT MANOHAR, AKRE, HIMANSHU, BANGAL, AMALENDU, GHOSH, CHANDRA SEKHAR, PERALA, SIVA RAMA KRISHNA, PUJARI, SASWATI, YAROVOY, YURIY KONSTANTINOVICH
33: EP 31: 21159699.4 32: 2021-02-26
54: A SOAP BAR
00: -
The present invention relates to an extruded soap bar composition. It more particularly relates to a soap bar composition which comprises specified type of sodium alumino silicate gel to produce soap

bars with high water content that are not only easy to extrude but have the desired hardness.

21: 2023/06590. 22: 2023/06/27. 43: 2025/02/13
51: C12N; A61K; A61P
71: ALNYLAM PHARMACEUTICALS, INC.
72: TREMBLAY, FREDERIC, MCININCH, JAMES D, CASTORENO, ADAM, SCHLEGEL, MARK K, KAITTANIS, CHARALAMBOS
33: US 31: 62/948,445 32: 2019-12-16
33: US 31: 63/040,602 32: 2020-06-18
54: PATATIN-LIKE PHOSPHOLIPASE DOMAIN CONTAINING 3 (PNPLA3) IRNA COMPOSITIONS AND METHODS OF USE THEREOF
00: -
The present invention relates to RNAi agents, e.g., double stranded RNA (dsRNA) agents, targeting the Patatin-Like Phospholipase Domain Containing 3 (PNPLA3) gene. The invention also relates to methods of using such RNAi agents to inhibit expression of a PNPLA3 gene and to methods of preventing and treating an PNPLA3 -associated disorder, e.g., Nonalcoholic Fatty Liver Disease (NAFLD).

21: 2023/06600. 22: 2023/06/27. 43: 2025/02/10
51: H02J; F03G
71: ENERGY VAULT, INC.
72: PEDRETTI, ANDREA, HÄNNI, ROLAND MARKUS
33: US 31: 63/130,573 32: 2020-12-24
54: ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM
00: -
An energy storage and delivery system includes an elevator, where the elevator is operable to move one or more blocks from a lower elevation to a higher elevation to store energy (e.g., via the potential energy of the block in the higher elevation) and operable to move one or more blocks from a higher elevation to a lower elevation (e.g., by gravity) to generate electricity (e.g., via the kinetic energy of the block when moved to the lower elevation). The energy storage system can, for example, store electricity generated from solar power as potential energy in the stacked blocks during daytime hours when solar power is available, and can convert the potential energy in the stacked blocks into electricity during nighttime hours when solar energy is not available, and deliver the converted electricity to the electrical grid.

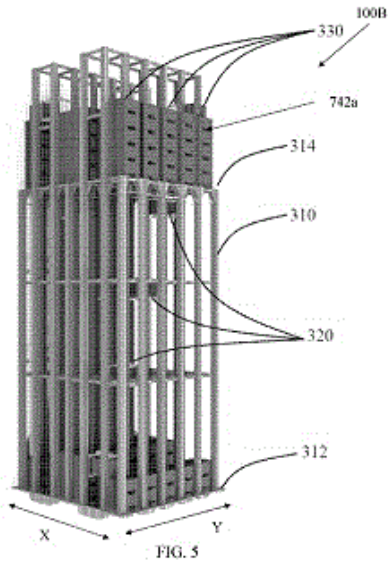
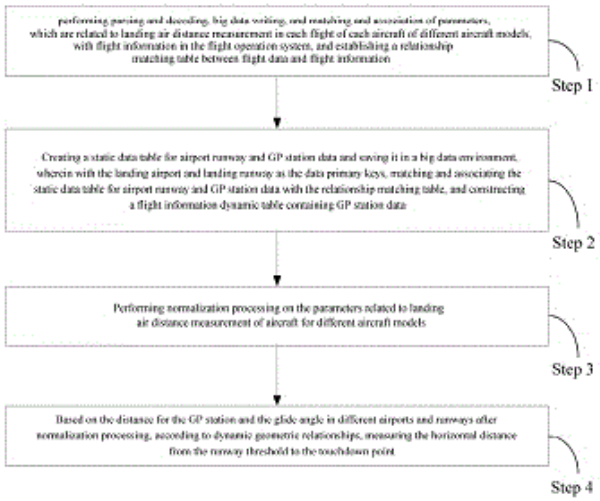


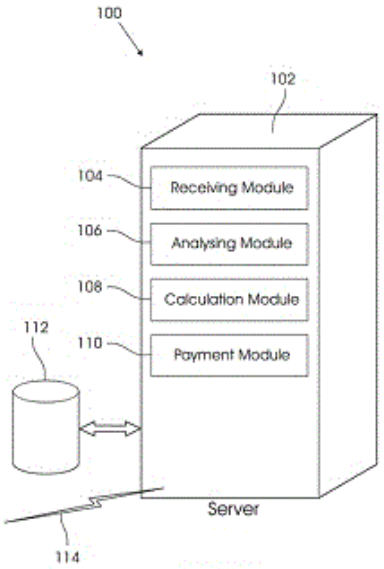
FIG. 5

21: 2023/06604. 22: 2023/06/27. 43: 2025/02/13
51: G08G
71: CHINA EASTERN TECHNOLOGY APPLICATION RESEARCH AND DEVELOPMENT CENTER CO., LTD.
72: WANG, ZHIMIN, JIANG, YIN, LI, JUN
33: CN 31: 202110637846.6 32: 2021-06-08
54: METHOD AND SYSTEM FOR MEASURING IN-FLIGHT LANDING DISTANCE
00: -
A method and system for measuring an in-flight landing distance. The method comprises: performing, on parameters, which are related to the measurement of an in-flight landing distance, in each flight of each of aircrafts of different types, parsing and decoding, big data writing, and matching and association with flight information in a flight operation system, and establishing a relationship matching table of flight data and flight information (step 1); creating a static data table of glide path data of an airport runway, storing same in a big data environment, performing, by means of taking a landing runway in a landing airport as a data primary key, matching and association on the static data table of the glide path data of the airport runway and the relationship matching table, and constructing a flight information dynamic table that includes the glide path data (step 2); performing normalization processing on the parameters (step 3); and on the

basis of the distances from glide paths in different runways of different airports to runway thresholds, and glide angles, measuring the horizontal distances from the runway entrances to a ground point (step 4). By means of the method, the calculation precision of an in-flight landing distance is improved, and the effects of monitoring the control quality of a pilot and assessing civil aviation safety risks are improved.



21: 2023/06936. 22: 2023/07/10. 43: 2025/02/21
51: G06Q
71: YENDE, THEMBA CYPRIAN
72: YENDE, THEMBA CYPRIAN
33: ZA 31: 2022/08244 32: 2022-07-25
54: A SYSTEM AND METHOD OF MANAGING AN INSURANCE SCHEME
00: -
A system for managing an insurance scheme. The system comprises a server which is configured to receive information from a trade union database pertaining to members of a trade union who are to join an insurance scheme which the server supports. The server includes a receiving module which is configured to receive claim data regarding a claim for suffering a financial disadvantage as a result of the trade union member participating in a strike. The server also includes an analysing module which is configured to calculate an amount to be paid to the trade union member as a result of the claim. The strike is a protected strike.



21: 2023/07062. 22: 2023/07/13. 43: 2025/03/17
51: B05B; F16J
71: GUALA DISPENSING S.P.A.
72: ALLUIGI, Riccardo
33: IT 31: 102021000003749 32: 2021-02-18
54: TRIGGER DISPENSING DEVICE WITH VALVE MEANS
00: -
A trigger dispensing head (4) of a trigger dispensing device (1) comprises a cylinder chamber (14), a piston (80), a pressure chamber (30a), a sleeve (30) having an end wall (36), a suction duct terminating in a suction mouth (18a), a dispensing duct, and valve means for regulating product flow. The valve means comprise a valve element (200) made in one piece comprising a tubular portion (202), a flexible flap (212), and an annular membrane (216).

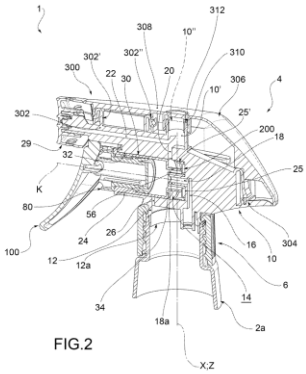


FIG.2

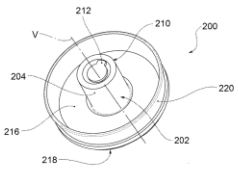
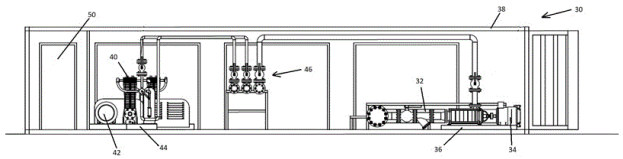


FIG.18

21: 2023/07770. 22: 2023/08/08. 43: 2025/02/19
51: F17D

71: PAINTED WOLF CONSULTING (PTY) LTD, PETREDEC INTERNATIONAL PTE. LTD.
72: DENNIS, Duane, Robin
33: ZA 31: 2022/05016 32: 2022-05-09
54: MOBILE LPG SHIP TO SHORE DISCHARGE SYSTEM
00: -
The invention provides a mobile or temporary LPG ship to shore discharge system. The system includes a multistage pump set; a vapour recovery gas compressor; a flow meter and flow converter set; a truck discharge facility with liquid transfer hoses and vapour recovery hoses; explosion proof electrical panel connectable to a port connection point or a portable generator; and a standard 12 meter shipping container in which the pump set, gas compressor, flow meter and converter set, discharge facility and electrical panel is installed.



21: 2023/07771. 22: 2023/08/08. 43: 2025/02/18
51: F17D
71: PAINTED WOLF CONSULTING (PTY) LTD, PETREDEC INTERNATIONAL PTE. LTD.
72: DENNIS, Duane, Robin
33: ZA 31: 2022/05015 32: 2022-05-09
54: MOBILE LPG PIPING DEPLOYMENT SYSTEM
00: -
The invention provides a system for storage, transportation and deployment of petroleum piping for the discharge of petroleum products from ship to shore. The system includes a shipping container, which container is fitted with a rail along the inside of the roof of the container; a hoist movably connected to the rail by means of a trolley; one or more racks inside the container for storing pipes; and a set of pipes of which one or more is fitted with dollies.

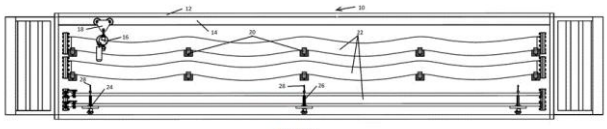


Figure 1

21: 2023/07820. 22: 2023/08/08. 43: 2025/03/18
51: G06Q
71: Godfrey Ivan LANCELLAS, Efterpe Gerasimos SOFIANOS
72: Godfrey Ivan LANCELLAS, Efterpe Gerasimos SOFIANOS
54: ARRANGEMENT FOR COMPARING PRICING OF GOODS
00: -
The invention discloses an arrangement for comparing pricing of goods, which includes a computerized database including data on location details of retail stores, an inventory of goods available for purchase at each of the retail stores and purchase prices for each of the goods at each of the stores; processing means which includes AI functioning and is associated with the database being adapted to extract the data from the database either by app, manual update, or AI; interface means associated with the processing means being adapted to enable a purchaser and/or user to submit a list of required goods with selection criteria to the processing means, according to which the processing means extracts a data subset from the database; and presentation means for presenting the data subset to the purchaser and/or user; and thereby allowing the purchaser and/or user to find online the cheapest one stop shopping destination and/or the best individual prices at numerous stores by way of existing databases and/or artificial intelligence.

21: 2023/07880. 22: 2023/08/14. 43: 2025/02/10
51: A61K; C07K; C12N
71: Oregon Health & Science University
72: FRUEH, Klaus, HANSEN, Scott G., NELSON, Jay, PICKER, Louis, CAPOSIO, Patrizia
33: US 31: 62/025,348 32: 2014-07-16
54: HUMAN CYTOMEGALOVIRUS COMPRISING EXOGENOUS ANTIGENS
00: -
Human cytomegalovirus vectors comprising heterologous antigens are disclosed. The vectors derived from the TR strain, are ganciclovir-sensitive, include active US2, US3, US6, US7 and UL131A genes, and have a deleterious or inactivating mutation in the UL82 gene preventing the expression of pp71.

21: 2023/07881. 22: 2023/08/14. 43: 2025/02/12
51: E02F
71: ESCO Group LLC

72: BINGHAM, Bruce C., ROSKA, Michael B., HARDING, Darrin, BEATLEY, Mark T., BROCKMAN, Cornelius J.
33: US 31: 62/753,675 32: 2018-10-31
54: WEAR ASSEMBLY
00: -
A lock that includes a pin and a collar. At least one of the pin and collar include a circular seal and a recess to store the seal. When the pin and collar are engaged in a locking manner, the surfaces of the pin and collar compress the seal such that a barrier is formed to limit ingress of fine earthen material. The lock assembly may be a component of a wear assembly. The lock assembly may be positioned into aligned holes to capture components of the wear assembly together, e.g. a point to an adapter or an adapter to a base. The recess of the pin may be located adjacent the head of the pin. The recess of collar may be located near the bottom of the collar. The application of both an upper and lower seal can further limit the ingress of fine earthen material.

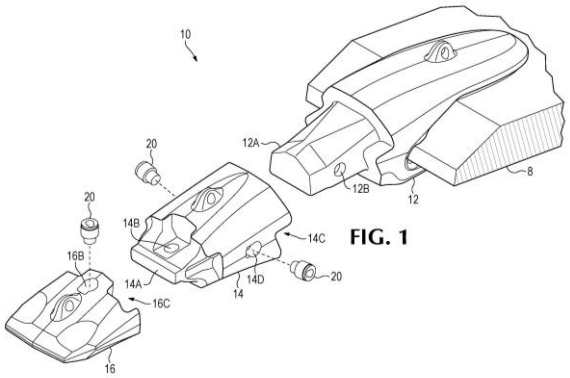


FIG. 1

21: 2023/07949. 22: 2023/08/16. 43: 2025/02/18
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: GAO, Shiwei, MURUGANATHAN, Siva
33: US 31: 63/141,336 32: 2021-01-25
54: SIGNALING CLOSED-LOOP POWER CONTROL FOR SINGLE AND MULTIPLE TRANSMISSION/RECEPTION POINTS (TRPS)
00: -
A method, network node and wireless device for signaling closed-loop power control for single and multiple transmission/reception points (TRPs) are disclosed. According to one aspect, a method in a network node includes generating at least one a first downlink control information (DCI) message with a first transmit power control (TPC) command field of N bits configured to schedule a physical uplink shared (PUSCH) transmission and a second DCI message with a second TPC command field of M bits configured to schedule a physical downlink shared channel, PDSCH, transmission.

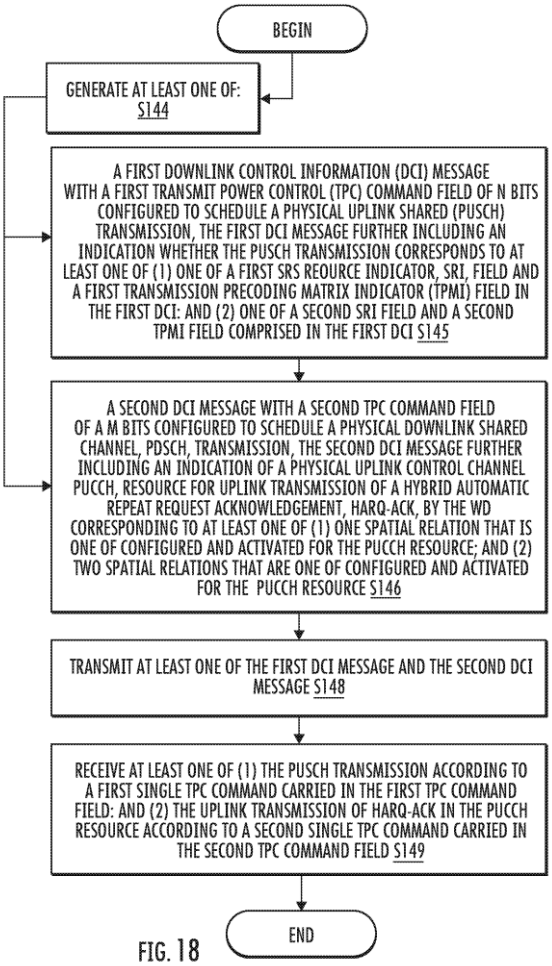
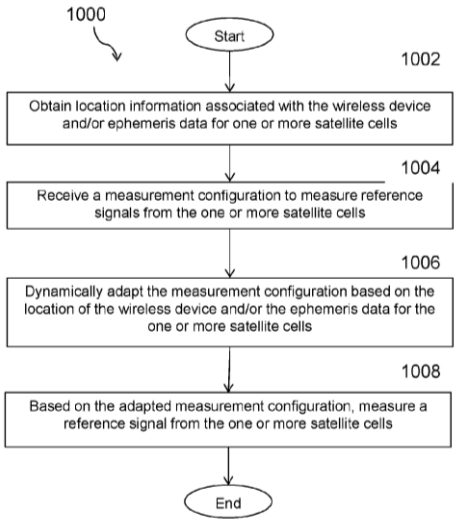


FIG. 18

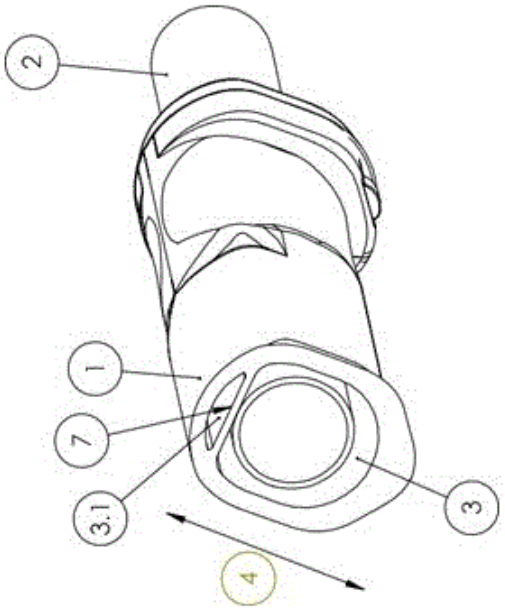
21: 2023/07951. 22: 2023/08/16. 43: 2025/02/19
51: H04B H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: RUNE, Johan, MÄÄTTANEN, Helka-Liina, EULER, Sebastian, YAVUZ, Emre, HE, Chao
33: US 31: 63/141,207 32: 2021-01-25
54: MEASUREMENT GAPS FOR SYNCHRONIZATION SIGNAL BLOCK MEASUREMENT TIME CONFIGURATION WINDOWS IN NON-TERRESTRIAL NETWORKS
00: -
A method (1000) performed by a wireless device (110) includes obtaining (1002) location information

associated with the wireless device and/or ephemeris data for a plurality of satellite cells. The wireless device receives (1004) a measurement configuration to measure reference signals from one or more satellite cells of the plurality of satellite cells. The wireless device dynamically adapts (1006) the measurement configuration based on the location of the wireless device and/or the ephemeris data for the one or more satellite cells. Based on the adapted measurement configuration, the wireless device measures (1008) a reference signal from the one or more satellite cells.



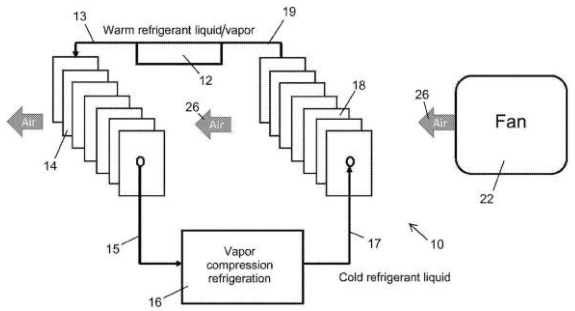
21: 2023/08070. 22: 2023/08/21. 43: 2025/02/14
51: C07D
71: BioHaven Therapeutics Ltd.
72: BOZIK, Michael E., HARRIED, Scott S., RESNICK, Lynn, TOPALOV, George T., BELARDI, Justin K., FLENTGE, Charles A., MARESKA, David A, HALE, James S.
33: US 31: 62/644,932 32: 2018-03-19
33: US 31: 62/644,902 32: 2018-03-19
54: KV7 CHANNEL ACTIVATORS COMPOSITIONS AND METHODS OF USE
00: -
Provided herein are optionally substituted benzoimidazol-1,2-yl amides, pharmaceutical compositions comprising a therapeutically effective amount of such compounds and a pharmaceutically acceptable excipient, and methods of treating Kv7 associated diseases, such as, epilepsy, amyotrophic lateral sclerosis, various types of pain, hyperexcitability, a dyskinesia, dystonia, mania and tinnitus with such compounds and pharmaceutical compositions.

21: 2023/08356. 22: 2023/08/30. 43: 2025/03/31
51: B62K; B62M
71: CIDUA (PTY) LTD
72: STOLTZ, Ivan
33: GB 31: 2213330.0 32: 2022-09-13
54: SHOCK DAMPENING GRIPS
00: -
The invention provides a shock dampening grip. The shock dampening grip includes a sleeve to be gripped by a person's hand, in use, which sleeve is of a resiliently deformable material, and which defines a bore for receiving a handlebar therethrough, in use, which bore is oblong shaped in cross section to allow generally linear transverse movement of the handlebar within the bore, the sleeve further including a dampening mechanism located in the operatively upper part of the bore. The grip further includes a pair of end caps configured to fit over and fasten onto a handlebar to define a pair of opposed flanges in use to capture the sleeve between them, and complementary guide formations respectively on the opposed faces of the flanges of the end caps and the edges of the sleeve to guide the movement of the sleeve along the generally linear path transverse to the handlebar, in use.

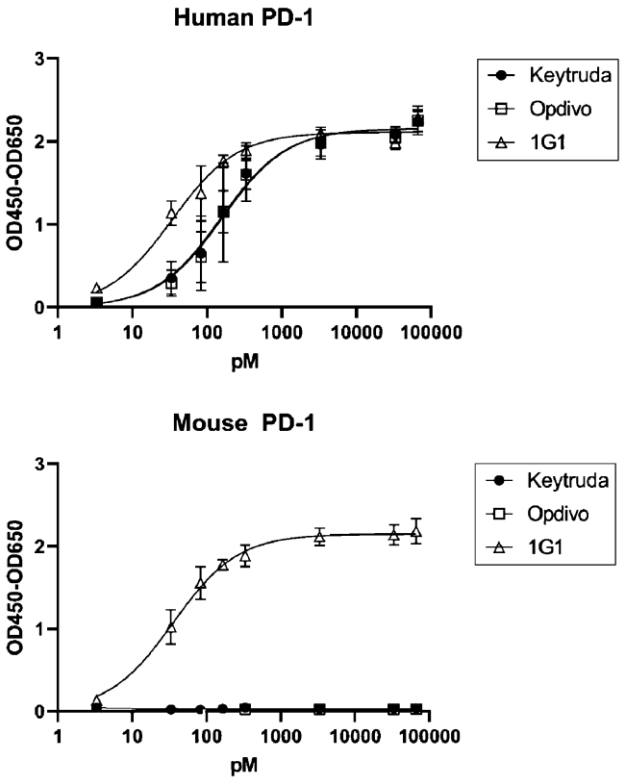


21: 2023/08360. 22: 2023/08/30. 43: 2025/02/12

51: E03B
71: Exaeris Water Innovations, LLC
72: OTANICAR, Todd, GALBRAITH, John
33: US 31: 62/774,536 32: 2018-12-03
54: ATMOSPHERIC WATER GENERATOR APPARATUS
00: -
An atmospheric water generator apparatus. In one embodiment, the apparatus includes a fluid cooling device. A water condensing surface is thermally connected to the fluid cooling device, the water condensing surface having a superhydrophobic condensing surface, a highly hydrophobic condensing surface, a superhydrophilic condensing surface, a highly hydrophilic condensing surface, or a combination thereof. An air-cooled heat rejection device is in fluid communication with a fluid cooling device. An air fan is configured to induce airflow across the water condensing surface in order to condense and extract water from the atmosphere.

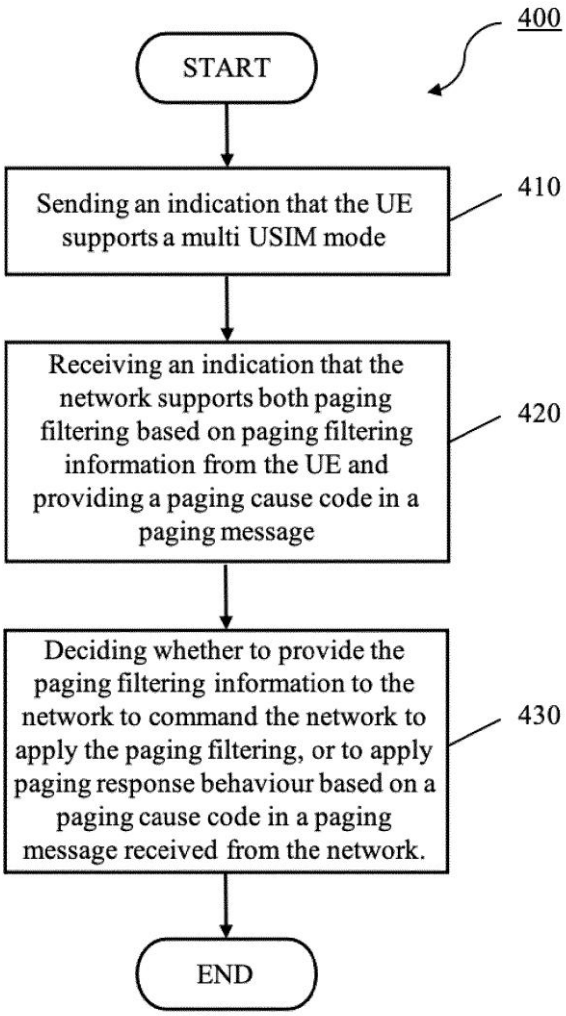


21: 2023/08460. 22: 2023/09/01. 43: 2025/02/19
51: C07K A01K C12N A61P G01N A61K
71: GENUV INC.
72: PARK, Heung Rok, BAE, Dong Goo, HAN, Sung Ho, PARK, Chae Gyu, YOON, Myeong Jin, KIM, Hae Mi, CHO, Eun Ji, KIM, Kyoung Jin, KIM, Ja Young
33: KR 31: 10-2021-0015937 32: 2021-02-04
33: KR 31: 10-2021-0070443 32: 2021-05-31
33: KR 31: 10-2021-0139442 32: 2021-10-19
54: ANTI-PD-1 ANTIBODY AND USE THEREOF
00: -
The present disclosure relates to: a protein binding agent binding to programmed cell death protein-1 (PD-1); an antibody; and an antigen-binding fragment thereof. The present disclosure further provides: a polynucleotide sequence encoding the protein binding agent, antibody, or antigen-binding fragment thereof according to the present disclosure; a vector including the polynucleotide sequence; and a host cell. In addition, the present disclosure provides: a pharmaceutical composition comprising the protein binding agent, antibody, or antigen-binding fragment thereof according to the present disclosure; and a kit.

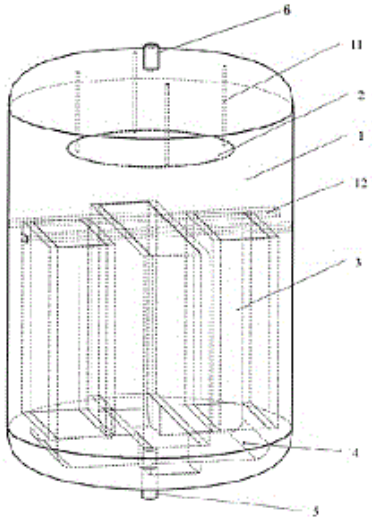


21: 2023/08562. 22: 2023/09/06. 43: 2025/02/19
51: H04W
71: NOKIA TECHNOLOGIES OY
72: CASATI, Alessio
54: METHODS AND APPARATUSES FOR CONTROLLING MULTI-USIM BEHAVIOUR OF USER EQUIPMENT
00: -
Techniques for controlling Multi-USIM behaviour of user equipment, UE, are provided. For example, a method (400) to be performed by an UE is provided. The method comprises: sending (410), to a network, an indication that the UE supports a multi universal subscriber identity module, USIM, mode; receiving (420), from the network, an indication that the network supports both paging filtering based on paging filtering information from the UE and providing a paging cause code in a paging message to the UE; and in response to receiving the indication from the network, deciding (430) whether to provide

the paging filtering information to the network to command the network to apply the paging filtering, or to apply paging response behaviour based on a paging cause code in a paging message received from the network.



21: 2023/08706. 22: 2023/09/12. 43: 2025/02/13
51: B01D; G21C
71: CHINA NUCLEAR POWER ENGINEERING CO., LTD.
72: XING, JI, ZHU, JINGMEI, JING, CHUNNING, SUN, ZHONGNING, YANG, LIFENG, GU, HAIFENG, WANG, XIAOJIANG, SUN, CHAOJIE, DING, LIANG, ZHOU, YANMIN, LIU, CHANGLIANG, ZHANG, ZHIMING, ZHAO, BIN, LIU, JIANG, WU, MING, ZHAO, XIA, WANG, CHANGDONG, LI, JUN, LIU, SHIHUA, GONG, ZHAO, LI, DONGLIANG, WANG, JIAZHUO, LIU, JIAWEI, SONG, ZHILIN, ZHANG, JILAI
33: CN 31: 202110389118.8 32: 2021-04-12
54: SILVER-LOADED ZEOLITE FILTER AND CONTAINMENT FILTRATION AND EXHAUST SYSTEM OF NUCLEAR POWER PLANT
00: -
Disclosed are a silver-loaded zeolite filter and a containment filtration and exhaust system of a nuclear power plant including the silver-loaded zeolite filter. The silver-loaded zeolite filter includes a pressure-bearing tank, a silver-loaded zeolite filtering unit, and a gas collection header. An inlet is provided on a top of the pressure-bearing tank, an outlet is provided on a bottom of the pressure-bearing tank, and the gas to be filtered enters the pressure-bearing tank from the inlet. The silver-loaded zeolite filtering unit is disposed in the pressure-bearing tank and configured to remove organic iodine in the gas to be filtered. The gas collection header is disposed below the silver-loaded zeolite filtering unit and connected to a bottom end of the silver-loaded zeolite filtering unit, and is configured to collect the filtered gas. The outlet of the pressure-bearing tank is connected to the bottom end of the gas collection header. The silver-loaded zeolite filter can effectively filter out radioactive organic iodine in the filtered gas.



21: 2023/08734. 22: 2023/09/13. 43: 2025/03/05
51: B02C; B03B; B03D; C22B
71: NEWCREST MINING LIMITED
72: SEAMAN, David, FUTCHER, William, POWELL, Malcolm Strathmore
33: AU 31: 2021900628 32: 2021-03-05
54: RECOVERING VALUABLE MATERIAL

00: -
A process and a plant for recovering valuable material in the form of gold and/or copper from sulphide ore systems that includes an Accurate Rock Breakage System ("ARBS") circuit.

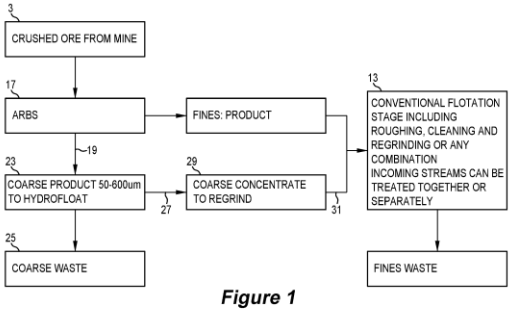
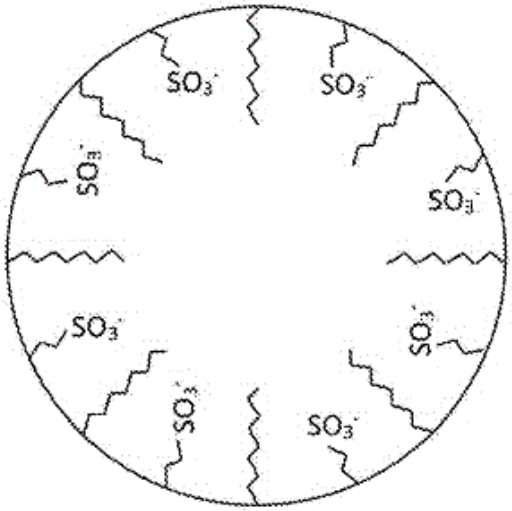


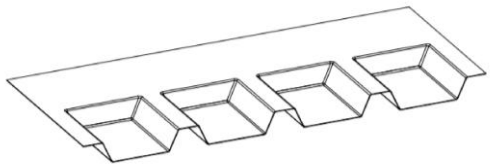
Figure 1

21: 2023/08800. 22: 2023/09/15. 43: 2025/02/13
51: A01N; A01P
71: UNILEVER GLOBAL IP LIMITED
72: IYER, VIDULA, KHOKHAR, JASMEET KAUR, MUKHERJEE, SAYANDIP, NEGI, AJAY SINGH, PALANISAMY, BHARATH, PATHAK, SANDIP BHANUDAS
33: IN 31: 202121018489 32: 2021-04-21
33: EP 31: 21178796.5 32: 2021-06-10
54: USE OF A CATIONIC POLYMER FOR REINFECTION PREVENTION
00: -
The present invention relates to treating a surface with a polymer and compositions comprising it for preventing microbial reinfection especially that of virus and bacteria on the surface for a long period of time after the surface has been treated. The present invention also relates to certain liquid cleansing compositions, sanitizers, hand-held spray devices and towelettes comprising the polymer for delivering the above benefit.

21: 2023/08866. 22: 2023/09/19. 43: 2025/02/13
51: C12H; C01B; B01J
71: ESSECO S.R.L.
72: TRIULZI, GIOVANNI, ANGIULI, FABIO
33: EP 31: 21160683.5 32: 2021-03-04
54: FUNCTIONALIZED MACROPARTICLES OF MESOPOROUS SILICA FOR PROTEIN STABILIZATION AND METAL REMOVAL FROM A BEVERAGE
00: -
The present invention relates to mesoporous silica particles functionalized with at least one group having an acidic functionality and/or at least one group having a hydrophobic functionality anchored to the silica by means of a silicon-oxygen bond. The acidic functionality is preferably an alkyl group bearing a group selected from $-SO_3H$, -COOH, $-PO(OH)_2$. The hydrophobic functionality is preferably a saturated, linear alkyl group. The invention also relates to the use of the mesoporous silica particles for the removal of proteins from and/or the reduction of the concentration of several metals in a beverage having a pH lower than 4, preferably wine, beer, cider, and a combination thereof.



21: 2023/08984. 22: 2023/09/22. 43: 2025/04/17
51: E04D
71: WALSH, Brian
72: WALSH, Brian
33: ZA 31: 2022/09015 32: 2022-08-12
54: PRE-FORMED SEALING MEMBRANE
00: -
The invention relates to a sealing membrane comprising a flexible fabric membrane that is configured for adhesive attachment to a structure and to the edges of one or more profiled sheets juxtaposed with the structure. The membrane is longitudinally divided into a sheeting section and a structure section, the sheeting section of the membrane being pre-formed with a profile complemental to the profile of the sheeting and the structure section of the membrane being pre-formed with a profile complemental to the shape of the structure. The invention also relates to a method of manufacturing the sealing membrane.



21: 2023/09135. 22: 2023/09/28. 43: 2025/02/13
51: H04W
71: Huawei Technologies Co., Ltd.
72: LI, Bingzhao, QUAN, Wei, ZHANG, Jian, LIU, Weihua
33: PCT/CN 31: 2015/100336 32: 2015-12-31
54: MOBILITY MANAGEMENT METHOD, TERMINAL, AND BASE STATION
00: -
Embodiments of the present invention disclose a mobility management method, user equipment, and a base station. The mobility management method may include: receiving, by user equipment UE in a connected mode, a source identifier of the UE from a first base station, where the source identifier is used to uniquely identify the UE in the first base station; entering, by the UE, a low-overhead state in the case that a low-overhead activation condition is satisfied, where in the low-overhead state, the UE stores a connection context of the UE in the connected mode, and camps on a cell according to a cell reselection criterion during movement; and reporting, by the UE when a first preset condition is satisfied, the source identifier to a second base station to which a second cell belongs, where the second cell is a serving cell on which the UE currently camps. According to the present invention, the UE autonomously performs mobility management based on cell reselection after the UE enters the low-overhead state, and reports only location change information of the UE, thereby simplifying a handover procedure and reducing communication resources of a network device.

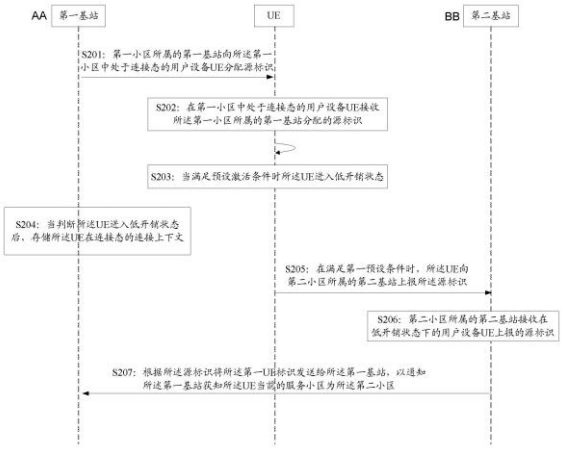
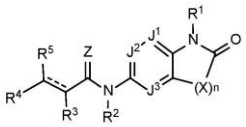


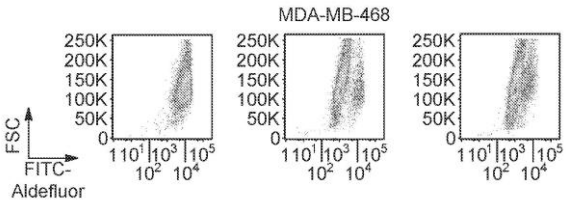
图 2

S201 First base station belonging to first cell allocates source identifier to UE in connected state in first cell
S202 UE in connected state in first cell receives source identifier allocated by first base station belonging to first cell
S203 When preset activation condition is satisfied, UE enters low-overhead state
S204 Upon determining that UE has entered low-overhead state, connection context of UE in connected state is stored
S205 If first preset condition is satisfied, then UE reports source identifier to second base station belonging to second cell
S206 Second base station belonging to second cell receives source identifier reported by UE in low-overhead state
S207 According to source identifier, first UE identifier is sent to first base station so as to notify first base station that current serving cell of UE is second cell
AA First base station
BB Second base station

21: 2023/09153. 22: 2023/09/28. 43: 2025/01/30
51: C07C; C07D
71: KayoThera Inc., The Trustees of Princeton University
72: ESPOSITO, Mark, PROUDFOOT, John, KANG, Yibin, PIWINSKI, John
33: US 31: 63/178,309 32: 2021-04-22
54: HETEROCYCLIC COMPOUNDS AND USES THEREOF
00: -
Provided herein are novel heterocyclic compounds, for example, compounds having Formula I, I-P, II, II-P, III, or IV. Also provided herein are pharmaceutical compositions comprising the compounds and methods of using the same, for example, in inhibiting aldehyde dehydrogenases, retinoid pathway activation, and/or for treating various cancers, cancer metastasis, type 2 diabetes, pulmonary arterial hypertension (PAH) or neointimal hyperplasia (NIH) or as a male contraceptive.

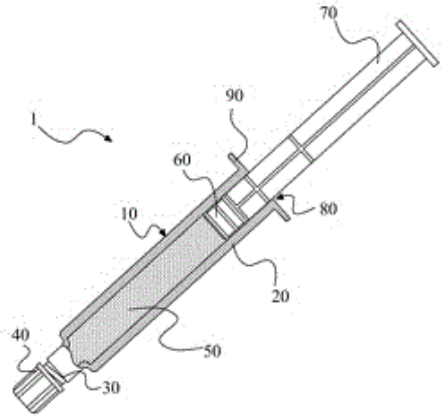


Formula I



21: 2023/09363. 22: 2023/10/06. 43: 2025/02/04
51: A01N; A01P
71: UPL Corporation Limited, UPL Europe Ltd
72: MATHADEEN, Prileen, PIROTTE, Alan
33: IN 31: 202121010121 32: 2021-03-10
54: LIQUID COMPOSITION COMPRISING A NEONICTONOID
00: -
Disclosed herein is a stable liquid agrochemical composition. Also disclosed is a process of preparing the liquid agrochemical composition, use of the liquid compositions for controlling the pests and a method of controlling pests using the liquid agrochemical composition.

21: 2023/09400. 22: 2023/10/09. 43: 2025/02/13
51: C01B; C08L; A61M; A61J; A61L
71: KORTUC JAPAN LLC
72: YAMASHITA, SHOGO
33: JP 31: 2019-107227 32: 2019-06-07
33: JP 31: 2019-068797 32: 2019-03-29
33: JP 31: 2019-107223 32: 2019-06-07
33: JP 31: 2019-078110 32: 2019-04-16
54: HYDROGEN PEROXIDE SOLUTION-PREFILLED SYRINGE HAVING EXCELLENT HYDROGEN PEROXIDE PRESERVABILITY BY VIRTUE OF SILICONE OIL (OIL COMPOSITION CONTAINING SAID SILICONE OIL)
00: -
Provided is a syringe that suppresses the decomposition of hydrogen peroxide. The present invention provides a syringe which is prefilled with a hydrogen peroxide solution. In said syringe, at least a barrel is made of a material having high decomposition ability of hydrogen peroxide, and the barrel has an inner wall coated with an oil composition containing a silicone oil.



21: 2023/09424. 22: 2023/10/09. 43: 2025/02/13
51: E05B; G07C
71: SWEDLOCK AB
72: HÖRBERG, JOHAN, LINDVALL, MARTIN, NILSSON, MAGNUS
54: ELECTROMECHANICAL LOCK ASSEMBLY
00: -
The present invention relates to an electromechanical lock assembly (1;2) comprising a lock body (15;115), a lock core (17;117), a lock bolt operating member (19;119), and an electronic access control device. The electromechanical lock assembly further comprises an annular element (27;127) which is rotatably and axially displaceably mounted on said lock core (17;117), a coupling device (25;125) arranged to communicate with said electronic access control device and, upon the insertion of an appropriate key (65) in the key receptacle (37), rotationally lock the annular element (27;127) to the lock core (17;117), thereby enabling rotation of the lock core (17;117) in a first direction and thereby enabling unlocking of said lock (3) with said appropriate key (65), and a blocking arrangement (63) arranged to prevent unauthorized unlocking of said lock (3).

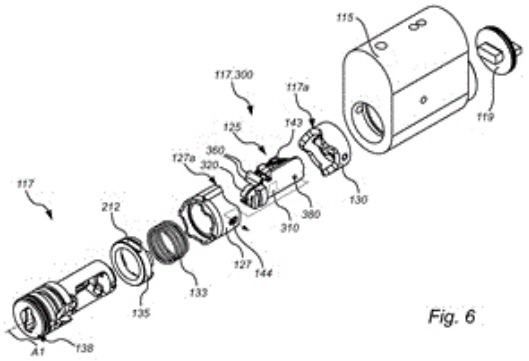
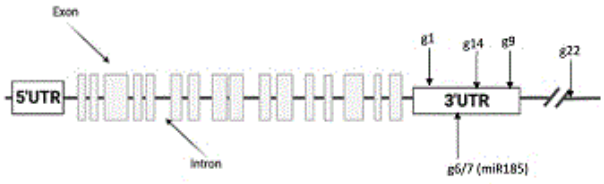


Fig. 6

21: 2023/09425. 22: 2023/10/09. 43: 2025/02/21
51: A61K; C12N; C07H
71: EMENDOBIO INC.
72: EMMANUEL, RAFI, GOLAN MASHIACH, MICHAL, DICKEN, JOSEPH
33: US 31: 63/164,396 32: 2021-03-22
33: US 31: 63/304,170 32: 2022-01-28
54: COMPOSITIONS AND METHODS FOR TREATING HYPERCHOLESTEROLEMIA
00: -
The disclosure provides RNA molecules comprising a guide sequence portion having 17-50 contiguous nucleotides containing nucleotides in the sequence set forth in any one of SEQ ID NOs: 1-10736 and compositions, methods, and uses thereof. Specifically, the disclosure provides a method for increasing the endogenous expression of a Low-Density Lipoprotein Receptor (LDLR) gene in a cell, the method comprising modifying the LDLR gene or a transcript encoded by the LDLR gene, introducing to the cell a composition comprising at least one nuclease, and an RNA molecule comprising a guide sequence portion, wherein the guide sequence portion of the RNA molecule comprises 17-50 contiguous nucleotides containing nucleotides in the sequence set forth in any one of SEQ ID NOs: 1-10736.



21: 2023/09483. 22: 2023/10/11. 43: 2025/02/12
51: B02C
71: Fortescue Metals Group Ltd
72: HARRIS, Warren, JOLLEY, Daniel
33: AU 31: 2018904512 32: 2018-11-27
54: APPARATUS AND METHOD FOR PROCESSING IRON ORE
00: -
An apparatus for processing iron ore, including a primary crusher, a secondary crusher and a tertiary crusher, wherein the apparatus includes a pair of independently operable conveyors from the primary crusher to the secondary crasher, from the secondary crasher to the tertiary crusher, and/or from the tertiary crasher to a screen which feeds back to the tertiary crusher.

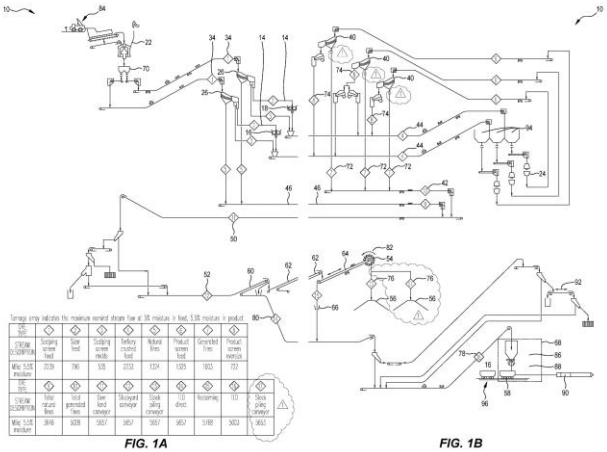


FIG. 1A FIG. 1B

21: 2023/09590. 22: 2023/10/13. 43: 2025/02/11
51: B01J; C07C
71: LINDE GMBH, CLARIANT INTERNATIONAL LTD.
72: ZELLHUBER, Mathieu, SCHUBERT, Martin, MEISWINKEL, Andreas, WÖHL, Anina, MESTL, Gerhard, WANNINGER, Klaus, SCHECK, Peter
33: DE 31: 10 2021 202 495.5 32: 2021-03-15
54: PROCESS AND SYSTEM FOR PRODUCING A TARGET COMPOUND
00: -
The present invention relates to a method for producing a target compound, in which method a feed mixture (A) containing at least one starting compound is formed, distributed over parallel reaction tubes (10) of one or more shell-and-tube reactors (100), and subjected to an oxidative catalytic reaction in the reaction tubes (10). According to the invention, water vapour is added to the feed mixture in such an amount that a water vapour proportion of the feed mixture is 5 to 95 vol.%, oxygen in the form of a fluid containing at least 95 vol.% oxygen is added to the feed mixture,

and the oxidative catalytic reaction is performed using one or more catalysts containing the metals molybdenum, vanadium, niobium and optionally tellurium. The invention further relates to a corresponding system.

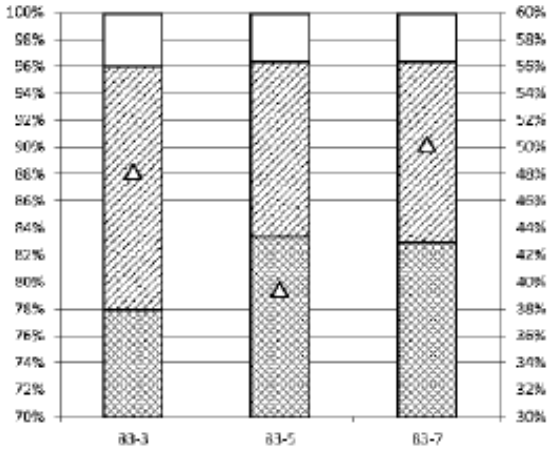


Fig. 1A

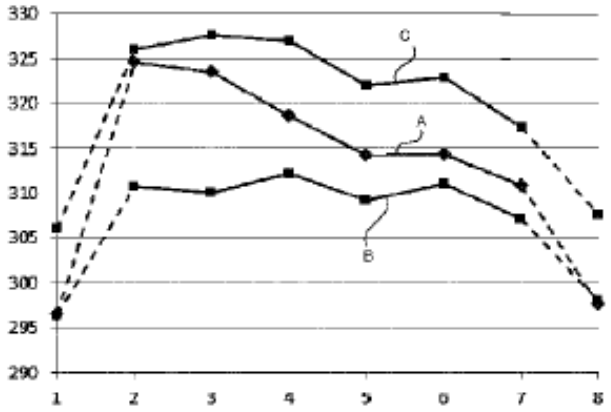


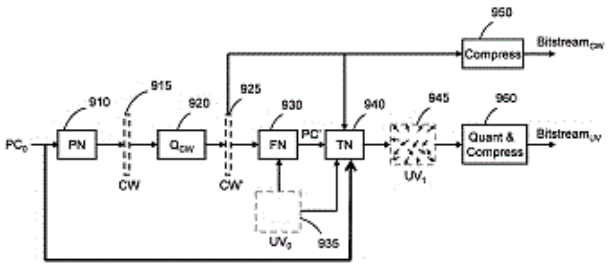
Fig. 1B

21: 2023/09671. 22: 2023/10/17. 43: 2025/02/13
51: C12N; A61K; A61P; C12Q; G01N
71: UNIVERSITY HEALTH NETWORK
72: KELLER, GORDON, CRAFT, APRIL M
33: US 31: 61/809,050 32: 2013-04-05
54: METHODS AND COMPOSITIONS FOR GENERATING CHONDROCYTE LINEAGE CELLS AND/OR CARTILAGE LIKE TISSUE
00: -
A method for generating chondrocytes and/or cartilage, optionally articular like non-hypertrophic chondrocyte cells and/or cartilage like tissue and/or hypertrophic chondrocyte like cells and/or cartilage like tissue, the method comprising: a. culturing a primitive streak-like mesoderm population, optionally a CD56+, PDGFRalpha+ KDR- primitive streak-like mesoderm population, with a paraxial mesoderm specifying cocktail comprising: i. a FGF agonist; ii. a BMP inhibitor; optionally Noggin, LDN-193189, Dorsomorphin; and iii. optionally one or more of a TGFbeta inhibitor, optionally SB431524; and a Wnt inhibitor, optionally DKK1, IWP2, or XAV939; to specify a paraxial mesoderm population expressing cell surface CD73, CD105 and/or PDGFR-beta; b. generating a chondrocyte precursor population comprising: i. culturing the paraxial mesoderm population expressing CD73, CD105 and/or PDGFR-beta at a high cell density optionally in serum free or serum containing media; ii. culturing the high cell density CD73+, CD105+ and/or PDGFRbeta+ paraxial mesoderm population with a TGFbeta3 agonist in serum free media to produce a high cell density Sox9+, collagen 2+ chondrocyte precursor population; and c. either i. culturing the high cell density Sox9+, collagen 2+ chondrocyte precursor population with the TGFbeta3 agonist for an extended period of time to produce an articular like non-hypertrophic chondrocyte cells and/or cartilage like tissue; or ii. culturing the high cell density Sox9+ collagen2+ chondrocyte precursor population with a BMP4 agonist for an extended period of time to produce a hypertrophic chondrocyte like cells and/or cartilage like tissue.

21: 2023/09812. 22: 2023/10/20. 43: 2025/02/13
51: C07K; C12N; A61K; A61P; G01N
71: AKESO PHARMACEUTICALS, INC., AD PHARMACEUTICALS CO., LTD.
72: XIA, YU, WANG, ZHONGMIN MAXWELL, LI, BAIYONG
33: CN 31: 202110404963.8 32: 2021-04-14
54: USE OF ANTIBODY IN ANTI-TUMOR TREATMENT
00: -
The present invention relates to a bispecific antibody against CTLA4 and PD-1, wherein the antibody is used for treating tumors, is administered in combination with an anti-VEGFR2 monoclonal antibody or an anti-VEGF monoclonal antibody, and comprises a first protein functional region targeting PD-1 and a second protein functional region targeting CTLA4, the first protein functional region being an immunoglobulin and the second protein

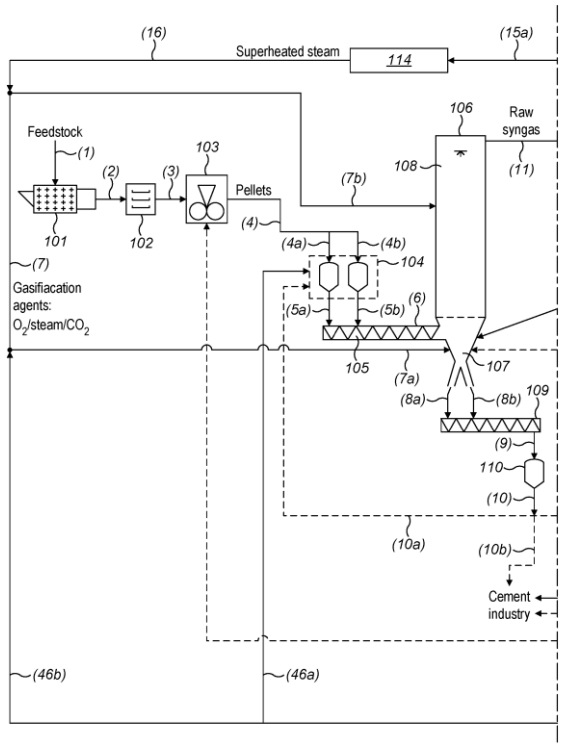
functional region being a single-chain antibody, or the first protein functional region being a single-chain antibody and the second protein functional region being an immunoglobulin.

21: 2023/09866. 22: 2023/10/23. 43: 2025/02/13
51: G06T
71: INTERDIGITAL PATENT HOLDINGS, INC.
72: TIAN, DONG, PANG, JIAHAO, QUACH, MAURICE, VALENZISE, GIUSEPPE, DUFAUX, FREDERIC
33: US 31: 63/181,270 32: 2021-04-29
54: LEARNING-BASED POINT CLOUD COMPRESSION VIA TEARING TRANSFORM
00: -
In one implementation, a learnable transformation TearingTransform over 3D point cloud data is proposed. The TearingTransform could decompose point clouds into two channels: a low rank channel and a sparse channel. The low rank channel corresponds to a codeword representing a rough shape of a point cloud. The sparse channel appears as an image-like data representing residual information that can refine the reconstructed point locations. In an encoder based on TearingTransform, a PN module is used to generate the codeword from the input point cloud; a FN module is used to reconstruct a preliminary point cloud from the codeword and an initial grid image; and a TN module modifies the initial grid image to generate an adjusted grid image. The codeword and the adjusted grid image are compressed. At the decoder, the point cloud can be reconstructed based on the decompressed codeword and adjusted grid image.



21: 2023/09949. 22: 2023/10/25. 43: 2025/02/18
51: A01N C12N C12P C08K
71: EVONIK OPERATIONS GMBH
72: PÖTTER, Markus, LAUTENSCHÜTZ, Ludger, FISCHER, Daniel, MÜLLER, Jakob
33: EP 31: 21166546.8 32: 2021-04-01
54: ENZYMATIC METHOD FOR PRODUCING L-GLUFOSINATE AND ITS PHOSPHOESTERS
00: -
The present invention relates to an enzymatically catalyzed method for producing L-glufosinate or a phosphoester thereof. The method comprises a step in which an activated L-homoserine HA is reacted with a substrate S selected from methylphosphinic acid and the esters of methylphosphinic acid. The invention makes accessible new substrates in the enzymatic production of Lglufosinate and its phosphoesters.

21: 2023/10051. 22: 2023/10/27. 43: 2025/03/17
51: C10J; C10L
71: GIDARA ENERGY B.V.
72: MOGHADDAM, Elyas M., GOEL, Avishek, TOPOROV, Dobrin, MOHAMMEDI, Alireza, ZANDE, Wim van der, ZANDE, Chris van der
33: EP 31: 21172588.2 32: 2021-05-06
54: METHOD AND APPARATUS FOR INDUSTRIAL PRODUCTION OF RENEWABLE SYNTHETIC FUELS
00: -
The present invention provides a process and apparatus for converting feedstock comprising biomass and/or carbon-containing solid waste material to synthesis gas. The process comprises supplying a densified and pressurized feedstock to a gasifier comprising a fluidized bed zone and a post-gasification zone and contacting the feedstock with a gasification agent. Recovery and purification of the synthesis gas is then carried out involving the recycling of CO_2 back to various stages in the process. The apparatus is configured to carry out the process and comprises transport lines to recycle the CO_2. The synthesis gas can be further processed to form renewable synthetic products and/or chemicals.

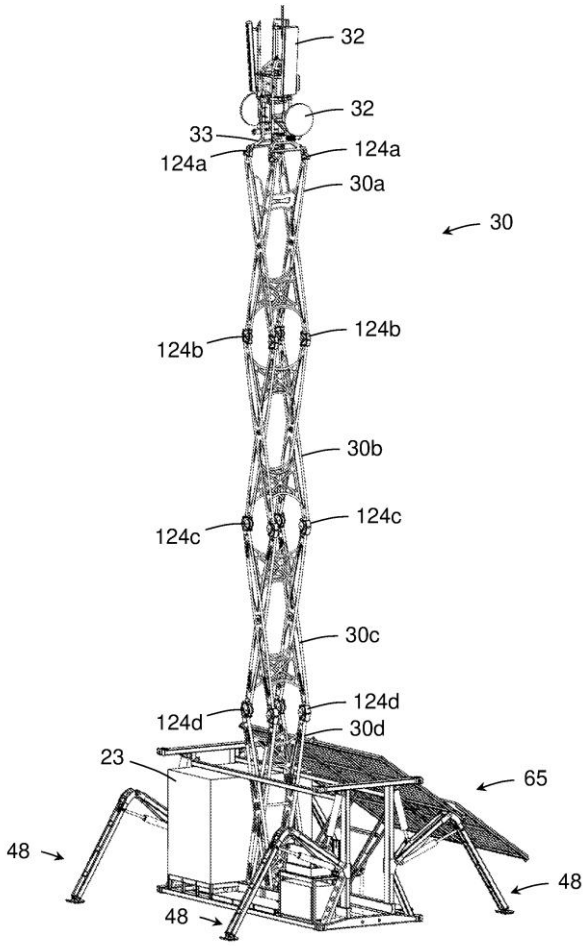


21: 2023/10052. 22: 2023/10/27. 43: 2025/04/02
51: B66F; H01Q; H04W; H02S
71: CRITICAL INFRASTRUCTURE TECHNOLOGIES PTY LTD
72: HILL, Andrew, JACOB, John
33: AU 31: 2021901291 32: 2021-04-30

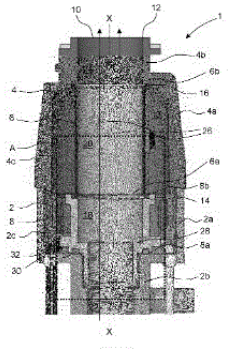
54: A MOBILE RADIO STATION

00: -

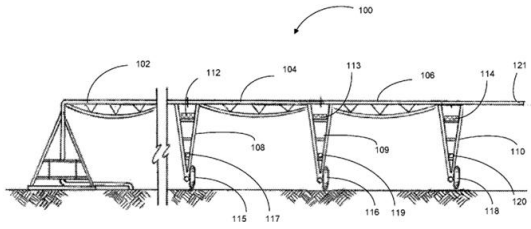
A mobile radio station is disclosed that comprises a frame portion and a communications tower having at least one communications antenna and a scissor lift mechanism usable to dispose the communications tower in a stowed configuration wherein the communications tower is disposed in the frame portion, and a deployed configuration wherein the communications tower extends out of the frame portion and disposes the at least one antenna upwardly of the frame portion. The mobile radio station also includes a tower deployment mechanism usable to control movement of the scissor lift mechanism and thereby movement of the communications tower between the stowed configuration and the deployed configuration. The scissor lift mechanism includes at least 2 scissor lift stages movably connected together using a plurality of interstage joints, each interstage joint including a first joint member having a first contact portion, a second joint member having a second contact portion and a joint pivot connection that facilitates relative angular movement between the first and second joint members. The first joint member is connected to a first scissor lift stage and the second joint member is connected to an adjacent second scissor lift stage such that as the communications tower moves from the stowed configuration to the deployed configuration, the first joint member rotates relative to the second joint member about the joint pivot connection until the first contact portion contacts the second contact portion at a point of contact. Further rotational movement of the first joint member relative to the second joint member about the joint pivot connection causes pivotal movement of the first joint member relative to the second joint member about the point of contact and movement of the interstage joint to a rigid configuration wherein rigidity of the interstage joint is increased.



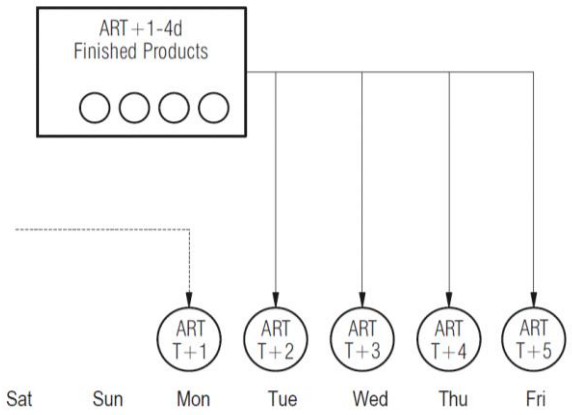
21: 2023/10101. 22: 2023/10/30. 43: 2025/04/02
51: H05B; A24F
71: PHILIP MORRIS PRODUCTS S.A.
72: BESSANT, Michel, CAPELLI, Sébastien, HOW, Jun Jie, SAADE LATORRE, Eva, TURRINI, Enrico, YIM, Jun, Wei
33: EP 31: 21166787.8 32: 2021-04-01
54: HEATER ASSEMBLY HAVING A SEALED AIRFLOW PATHWAY
00: -
A heater assembly (1) for an aerosol-generating device, the heater assembly (1) comprising: a first heater casing (2) comprising an air inlet; a second heater casing (4) comprising an aerosol outlet (10); and a heating chamber (6) for heating an aerosol-forming substrate, the heating chamber (6) being in fluid communication with both the air inlet and aerosol outlet (10) to define an airflow pathway through the heater assembly; the heater assembly (1) further comprising: a heater mount (8), the heating chamber (6) being mounted on the heater mount (8); and a seal (30) for sealing the airflow pathway; wherein the seal (30) is mounted on the heater mount (8) such that the seal (30) is spaced apart from the heating chamber (6).



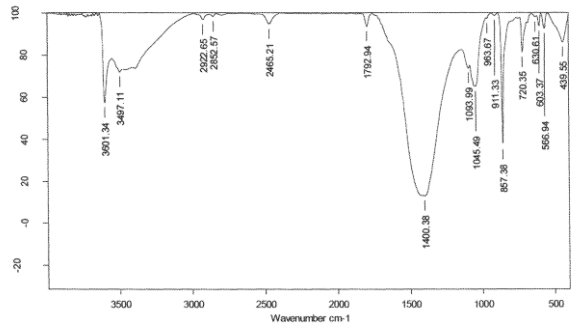
21: 2023/10375. 22: 2023/11/07. 43: 2025/03/10
51: A01G
71: VALMONT INDUSTRIES, INC.
72: KASTL, John
33: US 31: 63/183,157 32: 2021-05-03
54: MULTI-CORNER IRRIGATION SYSTEM HAVING MULTIPLE STEERABLE POINTS WITHIN MOBILE IRRIGATION MACHINE AND METHOD FOR IMPLEMENTING THE SAME
00: -
The present invention provides a multi-corner irrigation system having multiple steerable points which can quickly and efficiently irrigated tight corners during irrigation operations. According to an exemplary preferred embodiment, the present invention may preferably include a system for use with a self-propelled irrigation system having at least one span and a drive system for moving the span. According to a further preferred embodiment, the system preferably may include: a main section assembly having one or more interconnected spans supported by one or more drive towers; a first articulated span having an inner end and an outer end; a second articulated span having an inner end and an outer end; and an extension span. According to a further preferred embodiment, the first and second articulating spans are supported by a first drive tower which is steerable and a second drive tower which is steerable.



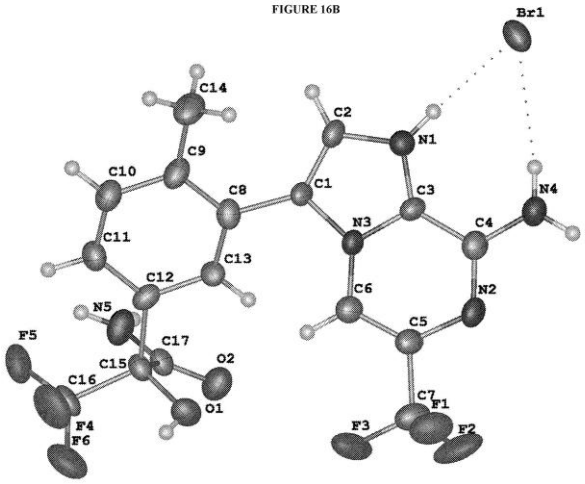
21: 2023/10400. 22: 2023/11/08. 43: 2025/02/18
51: A61K
71: ITM ISOTOPE TECHNOLOGIES MUNICH SE
72: MECKEL, Marian, KOZIOROWSKI, Jacek, HARFENSTELLER, Mark, SCHNEIDER, Karl-Heinz
33: DE 31: 10 2021 109 246.9 32: 2021-04-13
54: RADIOPHARMACEUTICALS TO DIFFERENT ARTS
00: -
The present invention relates to a method and a device for producing radionuclide-containing products having a substantially identical desired activity of the radioactivity at different application times, based on a specified calibration time. By contrast with the procedures in the prior art, owing to a single production process the method according to the invention makes it possible to ensure the composition of the desired radionuclide-labeled medicine remains constant at all application times within the shelf life. The present invention makes it possible, for example, to make [n.c.a. Lu-177]Lu-DOTATOC available on any working day of the week with constant activity at the particular application time in a single production step.



21: 2023/10401. 22: 2023/11/08. 43: 2025/02/18
51: G21G B01D
71: SU-N ENERGY HOLDINGS LTD
72: PAREKH, Suneel, Navnitdas, PAREKH, Platina, Suneel, PAREKH, Navnitdas, Radhakishan
33: IN 31: 202121017481 32: 2021-04-15
54: PROCESS, APPARATUS AND SYSTEM FOR THE PRODUCTION, SEPARATION AND PURIFICATION OF RADIOISOTOPES
00: -
Process, Apparatus and System for the Production, Separation and Purification of Radioisotopes for medical, industrial, agricultural and energy applications.

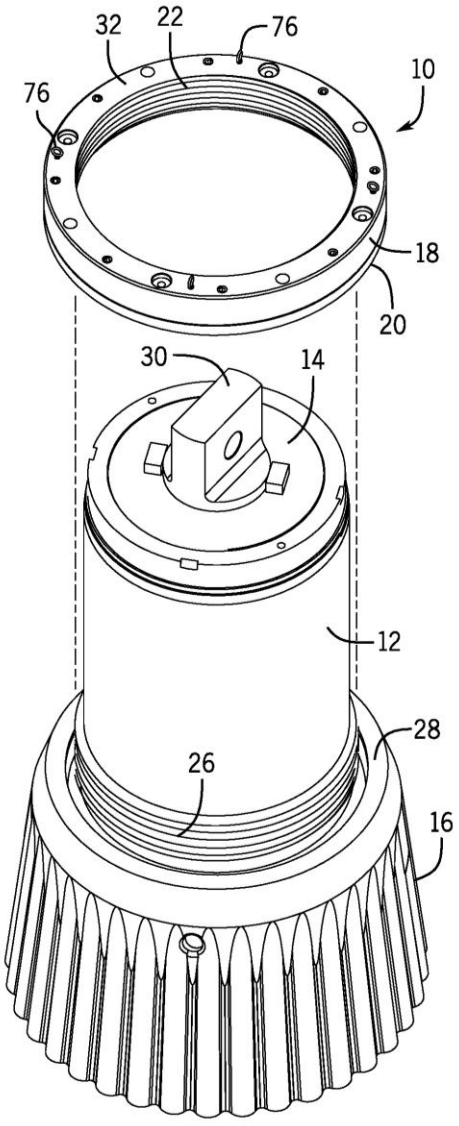


21: 2023/10559. 22: 2023/11/14. 43: 2025/02/12
51: A61K; C07D
71: Incyte Corporation
72: DOUTY, Brent, BURNS, David M., COMBS, Andrew P., JIA, Zhongjiang, LEVY, Daniel, YUE, Eddy W.
33: US 31: 62/727,339 32: 2018-09-05
33: US 31: 62/727,321 32: 2018-09-05
33: US 31: 62/727,328 32: 2018-09-05
54: CRYSTALLINE FORMS OF A PHOSPHOINOSITIDE 3-KINASE (PI3K) INHIBITOR
00: -
The present invention relates to salts and crystalline forms of 2-(3-(8-Amino-6-(trifluoromethyl)imidazo[1,2-a]pyrazin-3-yl)-4-methylphenyl)-3,3,3-trifluoro-2-hydroxypropanamide, crystalline forms of 8-amino-N-(2-hydroxy-2-methylpropyl)-3-(2-methyl-5-(1,1,1-trifluoro-2-hydroxypropan-2-yl)phenyl)imidazo[1,2-a]pyrazine-6-carboxamide, and crystalline forms of 8-amino-N-(2-hydroxy-2-methylpropyl)-3-(2-(methyl-d3)-5-(1,1,1-trifluoro-2-hydroxypropan-2-yl)phenyl)imidazo[1,2-a]pyrazine-6-carboxamide, which are PI3K inhibitors useful in the treatment of cancer and other diseases.



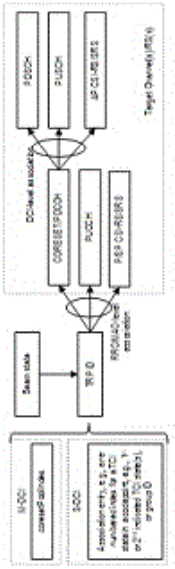
21: 2023/10562. 22: 2023/11/14. 43: 2025/03/17
51: B02C
71: METSO USA INC.
72: MURPHY, William, STEINER, Lucas, MEIER, Brian, FRIEDRICHS, Scott
33: US 31: 17/326,466 32: 2021-05-21
54: MANTLE RETAINING SYSTEM AND METHOD FOR A GYRATORY CRUSHER
00: -
A retainer assembly for securing a mantle to a mainshaft of a gyratory crusher. The retainer assembly includes a headnut and a burn ring that are joined to each other prior to installation. The headnut includes a first and a second series of bores that each extend though the annular headnut. A series of jacking bolts are installed in the second series of bores and a series of connector are installed in the first series of bores. The combination of the headnut and bum ring are installed on the mainshaft. Once in place, the connectors are

removed and a series of cylinders are positioned in the first series of bores. The cylinders are pressurized to create a gap between the headnut and the burn ring. The series of jacking bolts are rotated to maintain the gap and one or more shims can be positioned in the gap. The cylinder are removed and a headnut cover is installed to protect the headnut. During removal of the headnut, the cylinders can be reinstalled and pressurized.

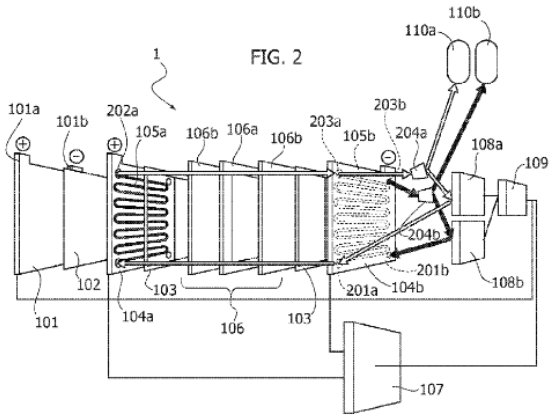


21: 2023/10599. 22: 2023/11/15. 43: 2025/02/18
51: C12N C12P
71: CJ CHEILJEDANG CORPORATION
72: PARK, Goun, PARK, Sojung, LEE, Han, Hyoung, CHOI, Woosung, KIM, Heejung, LEE, Jaemin
33: KR 31: 10-2021-0061306 32: 2021-05-12
54: NOVEL PROMOTER AND USE THEREOF
00: -
The present application relates to a novel promoter and a method for production of a target substance using same and, more particularly, to a novel polynucleotide having promoter activity, a vector gene carrying same, and a Corynebacterium sp. microorganism anchoring same, and a method for production of a target substance using the microorganism.

21: 2023/10605. 22: 2023/11/15. 43: 2025/02/03
51: H04B
71: ZTE CORPORATION
72: GAO, BO, LU, ZHAOHUA, YAO, KE, ZHANG, YANG, YANG, LING, LIU, WENFENG
54: TRANSMISSION CONFIGURATION INDICATIONS FOR DOWNLINK TRANSMISSIONS USING MULTIPLE TRANSMISSION AND RECEPTION POINTS
00: -
Methods, apparatus, and systems that relate to efficient indication of the beam states under the unified framework for downlink channels and reference signal transmissions in multiple transmission and reception points operations are disclosed. In one example aspect, a method for wireless communication includes determining one or more beam states associated with a transmission from a base station to a terminal device and performing the transmission according to the one or more beam states. One beam state is associated with multiple channels and reference signals.



21: 2023/10727. 22: 2023/11/20. 43: 2025/03/10
51: C25B
71: GREEN INDEPENDENCE S.R.L.
72: MONTICELLI, Alessandro
33: IT 31: 102021000012830 32: 2021-05-18
54: PHOTO-ELECTROCHEMICAL CELL AND CORRESPONDING APPARATUS
00: -
An electrochemical cell (1) comprises a first reaction chamber, which includes a first electrode (104a), a second reaction chamber, which includes a second electrode (104b), and a membrane-electrode assembly (106) having an ion-exchange membrane (106a) between the two reaction half-chambers. The electrochemical cell further comprises a photovoltaic system (101) configured for absorbing solar energy and producing an output voltage between a first terminal (101a) and a second terminal (101b). The first terminal (101a) is selectively couplable to the first electrode (104a) and the second terminal (101b) is selectively couplable to the second electrode (104b). The ratio between the photosensitive area of the photovoltaic system (101) and the active area of the first electrode and of the second electrode is less than or equal to fifty. The photovoltaic system (101) comprises a plurality of photovoltaic cells (150) selectively couplable between the first terminal (101a) and the second terminal (101b) in a series configuration, in a parallel configuration, or in one or more mixed series/parallel configurations. The electrochemical cell comprises an electronic control unit (109) configured to couple the photovoltaic cells (150) in a configuration selected from among said configurations as a function of one or more user-settable parameters, and/or one or more signals received from an external control unit, and/ or one or more signals received from one or more sensors included in the electrochemical cell.



21: 2023/10745. 22: 2023/11/21. 43: 2025/02/11
51: A61K; A61P
71: DAEWOONG PHARMACEUTICAL CO., LTD.
72: JUNG, Yeon Jin, HONG, Eun Ji, KIM, Gyoung Won, CHO, Sang Eun, KIM, Gwan Young
33: KR 31: 10-2022-0064451 32: 2022-05-26
33: KR 31: 10-2021-0067636 32: 2021-05-26
54: NEW FORMULATION FOR INJECTION COMPRISING 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE
00: -
The present invention relates to an injectable formulation comprising 1-(5-(2,4-difluorophenyl)-1-((3-fluorophenyl)sulfonyl)-4-methoxy-1H pyrrole-3-yl)-N-methylmethanamine or a pharmaceutically acceptable salt thereof.

21: 2023/10747. 22: 2023/11/21. 43: 2025/02/11
51: A61J; A61K; A61P
71: DAEWOONG PHARMACEUTICAL CO., LTD.
72: JUNG, Yeon Jin, HONG, Eun Ji, KIM, Gyoung Won, HWANG, Ha Na, KIM, Gwan Young
33: KR 31: 10-2021-0067635 32: 2021-05-26
33: KR 31: 10-2022-0064452 32: 2022-05-26
54: MEDICINE CONTAINER COMPRISING LIQUID PHARMACEUTICAL COMPOSITION OF 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE

00: -
The present invention relates to a medicine container containing a liquid pharmaceutical composition of 1-(5-(2,4-difluorophenyl)-1-((3 -fluorophenyl)sulfonyl)-4-methoxy-1H-pyrrol-3-yl)-N-methylmethanamine, or a pharmaceutically acceptable salt thereof.

21: 2023/10786. 22: 2023/11/22. 43: 2025/02/18
51: C07K A61P A23L A61K
71: ISU ABXIS CO., LTD., KYUNGPOOK NATIONAL UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION
72: HONG, Seung Beom, BAE, Jae Sung, JIN, Hee Kyung
33: KR 31: 10-2021-0068628 32: 2021-05-27
33: KR 31: 10-2022-0057049 32: 2022-05-10
54: PHARMACEUTICAL COMPOSITION FOR TREATING BRAIN DISEASES COMPRISING ANTIBODY SPECIFICALLY BINDING TO ASM PROTEIN AS ACTIVE INGREDIENT
00: -
The present invention relates to use of an antibody that specifically binds to an acid sphingomyelinase (ASM) protein. Particularly, the antibody or antigen-binding fragment thereof according to the present invention specifically binds to the ASM protein with high binding affinity, significantly inhibits the activity of the ASM protein present in the cell membrane, and, in an Alzheimer's disease animal model, does not exhibit toxicity and exhibits the effects of improving cognitive memory, inhibiting the activity of the ASM protein, inhibiting the accumulation of amyloid-ß and tau protein, and inhibiting the occurrence of neuroinflammation, and thus can be effectively used in the treatment of brain diseases.

Heavy chain variable region amino acid sequence

Antibody	CDR1	CDR2
9101	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	NYAMS WVRQAPGKGLEWVS GIYPNGGNKYYADSVKG RF
9102	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	GYYMS WVRQAPGKGLEWVS LISPGGGSIYYADSVKG RF
9104	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	NYYMS WVRQAPGKGLEWVS GIYYGSGNIYYADSVKG RF
9108	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	NYAMS WVRQAPGKGLEWVS AIYPGGGSIYYADSVKG RF
9113	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	SYYMS WVRQAPGKGLEWVS SISPGGSSIYYADSVKG RF
9123	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	DYAMS WVRQAPGKGLEWVS AISYGGGNIYYADSVKG RF

Antibody	CDR3	
9101	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	NAYRF----------DY WGQGTLVTVSS
9102	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	SWHHF----------DY WGQGTLVTVSS
9104	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	DTPGF----------DY WGQGTLVTVSS
9108	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	DVLGLTPKPF------DY WGQGTLVTVSS
9113	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	GASLF----------DY WGQGTLVTVSS
9123	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	VGGMCTRRQCYYDYGMDV WGQGTLVTVSS

[Fig. 1]

Light chain variable region amino acid sequence

Antibody	CDR1	CDR2
9101	QSVLTQPPSASGTPGQRVTISC	SGSSSNIGNNYVS WYQQLPGTAPKLLIY ADSKRPS GVPDRFSGSKSG
9102	QSVLTQPPSASGTPGQRVTISC	SGSSSNIGNNPVY WYQQLPGTAPKLLIY ANNQRPS GVPDRFSGSKSG
9104	QSVLTQPPSASGTPGQRVTISC	TGSSSNIGNNAVN WYQQLPGTAPKLLIY YDSHRPS GVPDRFSGSKSG
9108	QSVLTQPPSASGTPGQRVTLSC	TGSSSNIGSNTVY WYQQLPGTAPKLLIY ANSQRPS GVPDRFSGSKSG
9113	QSVLTQPPSASGTPGQRVTISC	SGSSSNIGNNAVS WYQQLPGTAPKLLIY SDNKRPS GVPDRFSGSKSG
9123	QSVLTQPPSASGTPGQRVTISC	SGSSSNIGSNTVN WYQQLPGTAPKLLIY DNSKRPS GVPDRFSGSKSG

Antibody	CDR3
9101	TSASLAIGGLRSEDEADYYC GSWDYSLNAYV FGGGTKLTVL
9102	TSASLAISGLRSEDEADYYC AAWDSSLSGYV FGGGTKLTVL
9104	TSASLAISGLRSEDEADYYC GAWDYSLSAYV FGGGTKLTVL
9108	TSASLAISGLRSEDEADYYC GSWDYSLSGYV FGGGTKLTVL
9113	TSASLAISGLRSEDEADYYC GTWDASLNAYV FGGGTKLTVL
9123	TSASLAISGLRSEDEADYYC GTWDDSLSGYV FGGGTKLTVL

21: 2023/10789. 22: 2023/11/22. 43: 2025/02/18
51: C07K G01N C12N
71: ISU ABXIS CO., LTD.
72: HONG, Seung Beom, HONG, Mi Rim
33: KR 31: 10-2021-0068075 32: 2021-05-27
33: KR 31: 10-2022-0047295 32: 2022-04-18
54: ANTIBODY SPECIFICALLY BINDING TO ASM PROTEIN
00: -
The present invention relates to an antibody specifically binding to an acid sphingomyelinase (ASM) protein. Particularly, the antibody or an antigen-binding fragment thereof, according to the present invention, specifically binds to the ASM protein, with high binding affinity, and, thus, can be effectively used for detecting the ASM protein or diagnosing, etc. a disease occurring due to overexpression of the ASM protein.

Heavy chain variable region amino acid sequence

Antibody	CDR1	CDR2
9101	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	NYAMS WVRQAPGKGLEWVS GIYPNGGNKYYADSVKG RF
9102	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	GYYMS WVRQAPGKGLEWVS LISPGGGSIYYADSVKG RF
9104	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	NYYMS WVRQAPGKGLEWVS GIYYGSGNIYYADSVKG RF
9108	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	NYAMS WVRQAPGKGLEWVS AIYPGGGSIYYADSVKG RF
9113	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	SYYMS WVRQAPGKGLEWVS SISPGGSSIYYADSVKG RF
9123	EVQLLESGGGLVQPGGSLRLSCAASGFTFS	DYAMS WVRQAPGKGLEWVS AISYGGGNIYYADSVKG RF

Antibody	CDR3	
9101	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	NAYRF----------DY WGQGTLVTVSS
9102	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	SWHHF----------DY WGQGTLVTVSS
9104	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	DTPGF----------DY WGQGTLVTVSS
9108	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	DVLGLTPKPF------DY WGQGTLVTVSS
9113	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	GASLF----------DY WGQGTLVTVSS
9123	TISRDNSKNTLYLQMNSLRAEDTAVYYCAR	VGGMCTRRQCYYDYGMDV WGQGTLVTVSS

[Fig. 1]

Light chain variable region amino acid sequence

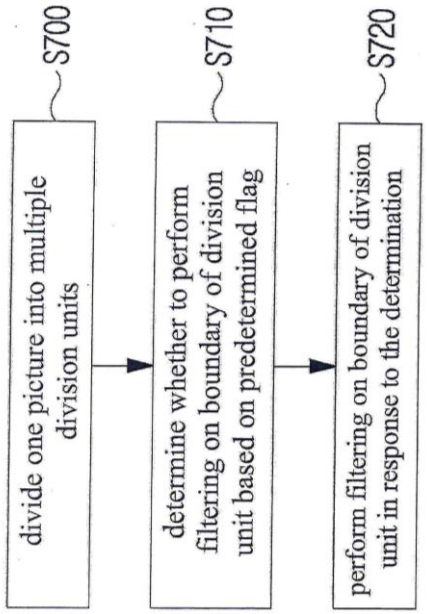
Antibody	CDR1	CDR2
9101	QSVLTQPPSASGTPGQRVTISC	SGSSSNIGNNYVS WYQQLPGTAPKLLIY ADSKRPS GVPDRFSGSKSG
9102	QSVLTQPPSASGTPGQRVTISC	SGSSSNIGNNPVY WYQQLPGTAPKLLIY ANNQRPS GVPDRFSGSKSG
9104	QSVLTQPPSASGTPGQRVTISC	TGSSSNIGNNAVN WYQQLPGTAPKLLIY YDSHRPS GVPDRFSGSKSG
9108	QSVLTQPPSASGTPGQRVTLSC	TGSSSNIGSNTVY WYQQLPGTAPKLLIY ANSQRPS GVPDRFSGSKSG
9113	QSVLTQPPSASGTPGQRVTISC	SGSSSNIGNNAVS WYQQLPGTAPKLLIY SDNKRPS GVPDRFSGSKSG
9123	QSVLTQPPSASGTPGQRVTISC	SGSSSNIGSNTVN WYQQLPGTAPKLLIY DNSKRPS GVPDRFSGSKSG

Antibody	CDR3
9101	TSASLAIGGLRSEDEADYYC GSWDYSLNAYV FGGGTKLTVL
9102	TSASLAISGLRSEDEADYYC AAWDSSLSGYV FGGGTKLTVL
9104	TSASLAISGLRSEDEADYYC GAWDYSLSAYV FGGGTKLTVL
9108	TSASLAISGLRSEDEADYYC GSWDYSLSGYV FGGGTKLTVL
9113	TSASLAISGLRSEDEADYYC GTWDASLNAYV FGGGTKLTVL
9123	TSASLAISGLRSEDEADYYC GTWDDSLSGYV FGGGTKLTVL

21: 2023/10790. 22: 2023/11/22. 43: 2025/02/18

51: A61K C07K A61P
71: JIANGSU MABWELL HEALTH PHARMACEUTICAL R&D CO., LTD., MABWELL (SHANGHAI) BIOSCIENCE CO., LTD.
72: ZHOU, Wei, TAN, Xiaoding, LIU, Datao
33: CN 31: 202110481199.4 32: 2021-04-30
54: ANTIBODY-DRUG CONJUGATE TARGETING NECTIN-4 AND PREPARATION METHOD THEREFOR AND USE THEREOF
00: -
An antibody-drug conjugate targeting a poliovirus receptor-like molecule 4 (Nectin-4). The antibody-drug conjugate can be used for preparing a drug for treating Nectin-4-related diseases. The antibody-drug conjugate has strong targeting properties to Nectin-4 and a strong endocytosis effect via the target, and has an excellent tumor-killing effect.

21: 2023/10885. 22: 2023/11/24. 43: 2025/04/04
51: H04N
71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
72: KIM, Ki Baek
33: WO 31: PCT/KR2020/012252 32: 2020-09-10
33: KR 31: 10-2019-0115073 32: 2019-09-18
54: IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS
00: -
An image encoding/decoding method and apparatus of the present invention may divide one picture into a plurality of division units, determine whether or not to perform filtering on a boundary of a current division unit, and perform filtering on the boundary of the current division unit in response to the determination.



21: 2023/10911. 22: 2023/11/27. 43: 2025/04/04
51: B02C; B22F; C01G; B82Y
71: INSTITUTO HERCÍLIO RANDON
72: BOARETTO, Joel, CRUZ, Robinson Carlos Dudley
33: BR 31: 1020210170328 32: 2021-08-27
54: TANTALUM NANOPARTICLE PREPARATION, METHOD FOR PRODUCING TANTALUM NANOPARTICLES AND USE OF THE TANTALUM NANOPARTICLE PREPARATION
00: -
The present invention pertains to the fields of material engineering and nanotechnology. More specifically, the invention describes a tantalum nanoparticle preparation, the use thereof, and a method for producing same by comminution, i.e. a top-down process. The nanoparticle preparation according to the invention solves these and other problems, has special properties with respect to composition and purity, a defined granulometric profile and a high specific surface area, and can be used in a range of applications. The invention also discloses a method for obtaining nanoparticles from tantalum-containing mineral species 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, provides the large-scale production of high-purity tantalum pentoxide nanoparticles having a given granulometric profile and a very high specific surface area, allowing the

practical use thereof in various industrial applications.

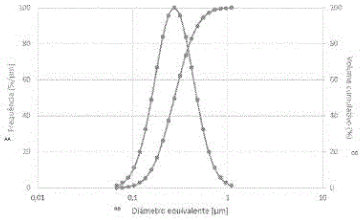
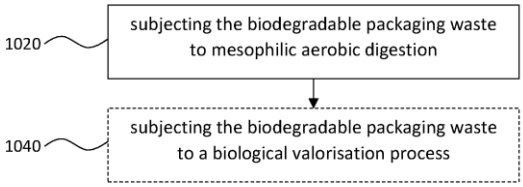


Fig. 1

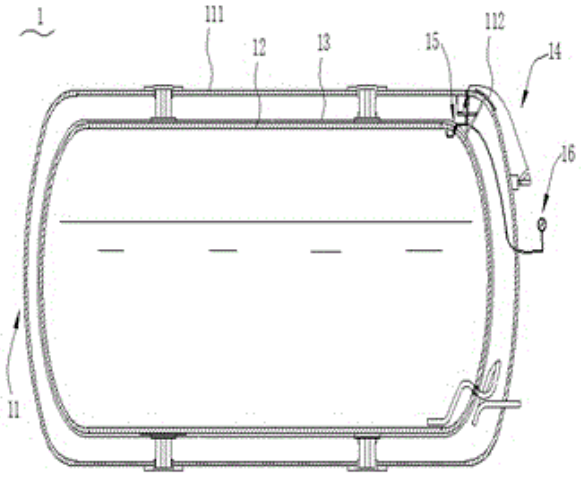
AA Frequency (%/µm)
BB Equivalent diameter (µm)
CC Cumulative volume (%)

21: 2023/10917. 22: 2023/11/27. 43: 2025/02/19
51: B09B B65D C08J
71: TRIA PTE. LTD.
72: NG, Pei Kang, HON, Sui Ming, Raymond
54: A METHOD FOR DIGESTING BIODEGRADABLE PACKAGING WASTE AND AN APPARATUS THEREOF
00: -
The present invention relates to a method for digesting biodegradable packaging waste and an apparatus thereof. Specifically, the present invention relates to a method of treating biodegradable packaging waste prior to subjecting the biodegradable packaging waste to a biological valorisation process and an apparatus thereof. The apparatus includes a tank for receiving the biodegradable packaging waste therein, the tank comprises a top portion and a bottom portion below the top portion, an air supply module adapted to supply air into the tank, a microbe injector adapted to inject mesophilic microbe into the tank, such that the tank is adapted to receive the biodegradable packaging waste, air and mesophilic microbe therein, wherein the biodegradable packaging waste is subjected to mesophilic aerobic digestion prior to conveying the biodegradable packaging waste from the tank to a biological valorisation system to subject the biodegradable packaging waste to the biological valorisation process.

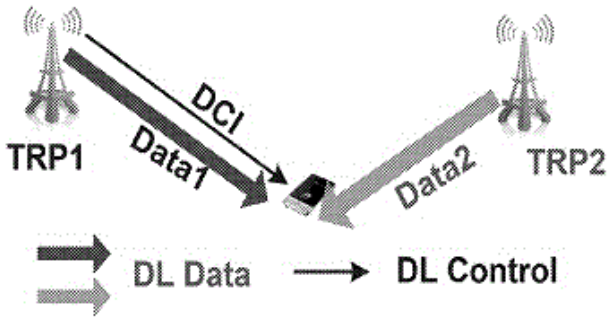
1000



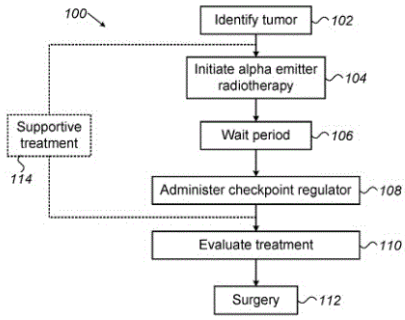
21: 2023/10932. 22: 2023/11/27. 43: 2025/02/03
51: F17C
71: NANTONG CIMC ENERGY EQUIPMENT CO., LTD., CHINA INTERNATIONAL MARINE CONTAINERS (GROUP) CO., LTD., CIMC ENRIC INVESTMENT HOLDINGS (SHENZHEN) CO., LTD.
72: SONG, BINJIE, JU, XIAOFENG, SHEN, WEIDONG, JIANG, PINGAN, GU, FENG, GAO, JIANBING, CHEN, WEIFENG, ZHANG, YUNKAI, LIU, LEI, XU, PENGFEI, ZHANG, PEIPEI
33: CN 31: 202211311306X 32: 2022-10-25
54: PRESSURIZING DEVICE OF CRYOGENIC VESSEL AND CRYOGENIC VESSEL
00: -
The present disclosure provides a pressurizing device (14,34) for a cryogenic vessel (1,3) and a cryogenic vessel (1,3). The cryogenic vessel (1,3) includes a shell (11,21,31,41,51), an inner vessel (12,22,32,42,52) and a thermal insulation layer (13,23,33,43,53) arranged on a periphery of the inner vessel (12,22,32,42,52), a gap is provided between the shell (11,21,31,41,51) and the inner vessel (12,22,32,42,52) to form a sandwich space in a vacuum environment. The pressurizing device (14,34) includes a a fixing member (141,241), a protruding member (142,242,442,542), a heat conducting member (143,243,443,543), an operating member (144,244,444,544) and a connecting member (145,245,445,545).



21: 2023/10979. 22: 2023/11/28. 43: 2025/02/12
51: H04W
71: ZTE CORPORATION
72: SHAO, SHIJIA, GAO, BO, ZHANG, SHUJUAN, YAO, KE, ZHANG, YANG, LU, ZHAOHUA
54: A METHOD OF DYNAMIC SWITCH INDICATION
00: -
This document relates to a method of dynamic switch indication. A method of wireless communication comprising: transmitting, by a network device, to a wireless communication device, a first parameter indicated by a first signaling message; transmitting, by a network device, to a wireless communication device, a plurality of transmission configuration states by a second signaling message; determining, by the wireless communication device, the plurality of transmission configuration states to a transmission; wherein the plurality of transmission configuration states include transmission configuration indicator (TCI) states.



21: 2023/11198. 22: 2023/12/05. 43: 2025/03/28
51: A61K; A61N; A61P
71: ALPHA TAU MEDICAL LTD.
72: KEISARI, Yona, KELSON, Itzhak, DOMANKEVICH, Vered, DEL MARE ROUMANI, Sara, DEN, Robert, MANSOUR, Fairuz, SEGAL, Ronen, EFRATI, Margalit, SHAI, Amit, NISHRI, Yossi
33: US 31: 63/212,671 32: 2021-06-20
54: INTRATUMORAL ALPHA-EMITTER RADIATION IN COMBINATION WITH IMMUNE CHECKPOINT REGULATORS
00: -
A substance which regulates immune-checkpoints for use as a medicament for treatment of a tumor of a patient wherein the administration pattern of the medicament comprises administering a therapeutically effective amount of the substance to the tumor, in one or more sessions, and implanting seeds (204) carrying radium-224 in the tumor for intra-tumoral alpha-emitter radiotherapy less than two weeks from administering the substance.



21: 2023/11203. 22: 2023/12/05. 43: 2025/02/06
51: F24S
71: CAMBRAS GMBH
72: KIRSCHT, LUKAS
33: EP 31: 21175159.9 32: 2021-05-21
54: CSP SYSTEM, SENSOR ARRANGEMENT, METHOD AND USE
00: -
The invention relates to a concentrated solar power (CSP) system, comprising a reflector, a receiver tube, a shadow receiver arranged and adapted to receive the, preferably full, shadow of the receiver tube; a first digital camera fixedly attached to the CSP system and arranged and configured to acquire a first image of the reflector and of the shadow receiver, and a controller. The controller is configured to identify a first portion of the first image that comprises the reflector and a second portion of the first image that comprises the shadow receiver,

determine a degree of soiling of the reflector based on the first portion of the first image and, preferably, ignore all information contained in the second portion of the first image for determining said degree of soiling, and determine an adjustment of the orientation of the reflector based on the second portion of the first image and, preferably, ignore all information contained in the first portion of the first image for determining said adjustment.

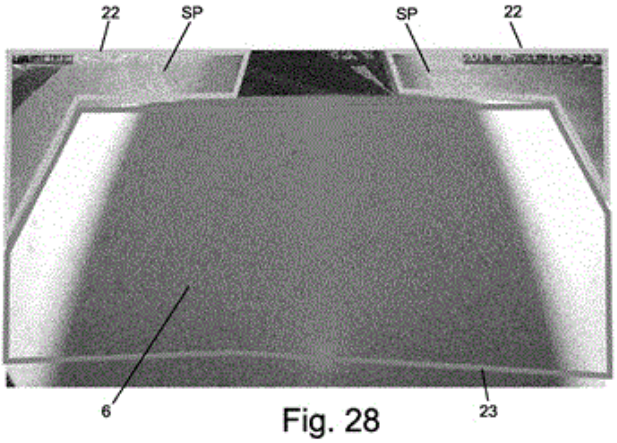
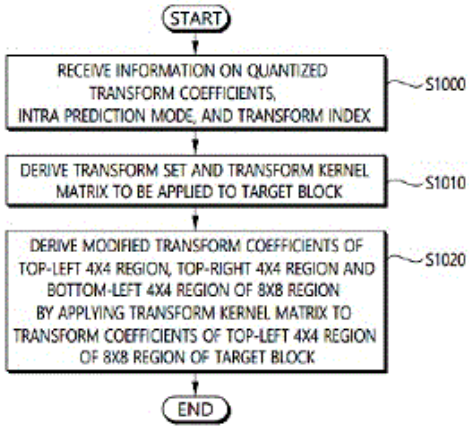
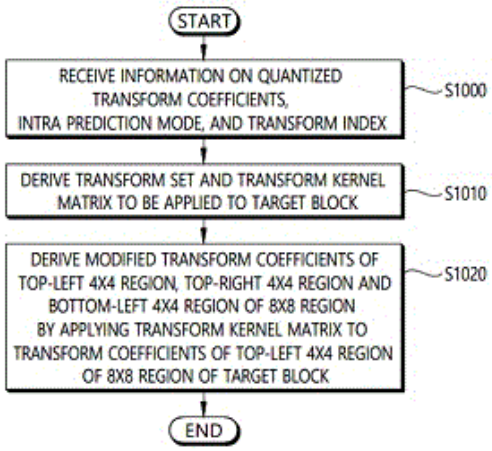


Fig. 28

21: 2023/11229. 22: 2023/12/06. 43: 2025/02/06
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.

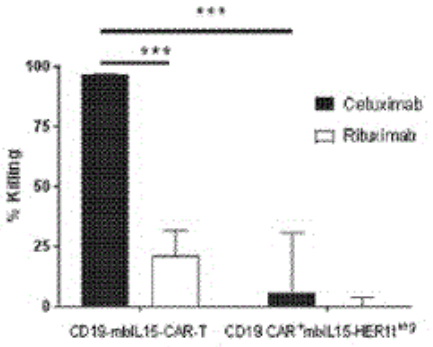


21: 2023/11230. 22: 2023/12/06. 43: 2025/02/06
51: H04N
71: LG ELECTRONICS INC.
72: KOO, MOONMO, KIM, SEUNGHWAN, LIM, JAEHYUN
33: US 31: 62/782,294 32: 2018-12-19
54: VIDEO CODING METHOD ON BASIS OF SECONDARY TRANSFORM, AND DEVICE FOR SAME
00: -
A video decoding method according to the present document 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: 2023/11278. 22: 2023/12/07. 43: 2025/02/06
51: C12Q; C07K; A61K
71: PRECIGEN, INC.
72: SHAH, RUTUL, EMTAGE, PETER, YARLAGADDA, RAMYA
33: US 31: 62/516,639 32: 2017-06-07
54: EXPRESSION OF NOVEL CELL TAGS
00: -

Disclosed herein are polynucleotides encoding cell tags for use in immunotherapeutic applications, and systems comprising polynucleotide cell tags for regulating the activity of a cell. The compositions, methods and systems described herein provide tools for regulating activity of genetically engineered cells in a subject.



21: 2023/11293. 22: 2023/12/07. 43: 2025/03/10
51: B01D; C02F
71: WATER CHALLENGE, S.L.
72: VERA ALARCON, Sebastian
33: ES 31: P202130426 32: 2021-05-11
54: EQUIPMENT AND METHOD FOR EXTRACTING SOLIDS IN CONTAMINATED FLUIDS
00: -

The present invention relates to an equipment and method for extracting solids in contaminated fluids, the aim of which is to obtain the crystallised solids of the contaminated fluids, without any kind of rejection for recovering the same and obtaining purified water in one step, all in a continuous adiabatic/sonic process with evaporation/crystallisation and with low energy consumption, and wherein the method is characterised in that it is fundamentally made up of at least three circuits that are completely interconnected as a single piece of equipment where the first circuit, the main circuit, is made up of an inlet duct for the contaminated fluid to be treated (1) followed by a pre-filter (2), followed by a fine particle filter (3), a heat exchanger, a pre-heated contaminated fluid (5) in the exchanger (4), followed by a fluid supply pump (6) to a nozzle formed by an injector (7) and an ejector (8), which introduce the fluid into an evaporation chamber (9), from where the outgoing steam is introduced into a closed-loop electromagnetic servomechanism (26), a saturated steam outlet ejector (32), led to the heat exchanger (4), and an outlet (13) for the saturated steam (22) as purified water.

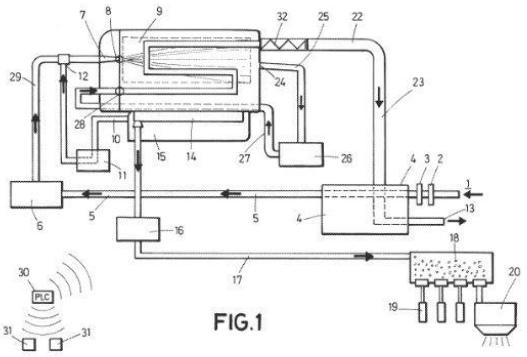
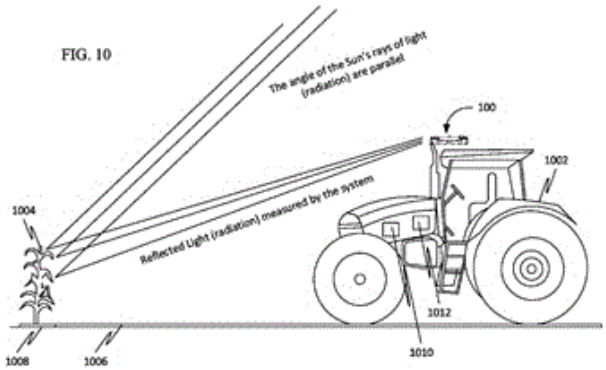


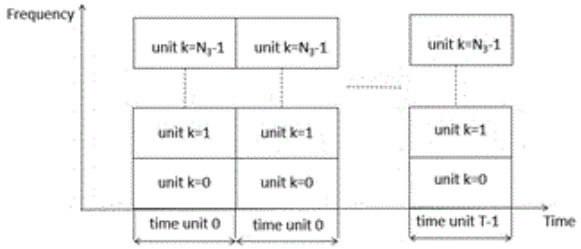
FIG.1

21: 2023/11297. 22: 2023/12/07. 43: 2025/02/06
51: A01C
71: AUGMENTA AGRICULTURE TECHNOLOGIES SMPC
72: NIKOLAKAKIS, ALEXANDROS-EMMANOUIL, ANTONIOU, EFSTATHIOS, KARAKOULA, AIKATERINI, VARVARELIS, GEORGIOS
33: US 31: 63/190,622 32: 2021-05-19
54: APPARATUSES FOR FACILITATING MANAGING CULTIVATION OF CROPS BASED ON MONITORING THE CROPS
00: -

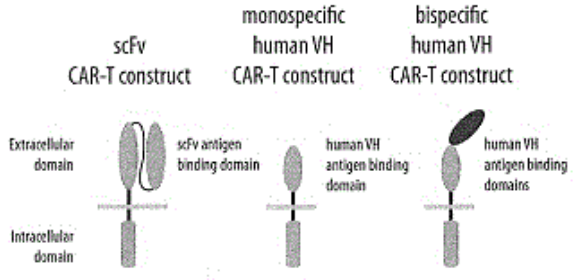
Disclosed herein is an apparatus for facilitating managing cultivation of crops based on monitoring the crops. Further, the apparatus comprises an apparatus body (102, 1302, 1402), cameras (104, 1304, 1404), light sensors (108, 1308, 1408), a processing unit (116, 1208, 1214, 1316, 1416, 1602), and a communication interface (112, 1312, 1412). Further, the cameras (104, 1304, 1404) generate a measurement of a crop (1004) and a field portion (1008). Further, the light sensors (108, 1308, 1408) generate an environment measurement of an environment of the apparatus. Further, the processing unit (116, 1208, 1214, 1316, 1416, 1602) analyzes the environment measurement, determines a factor affecting the measurement, and generates a calibrating factor for the cameras (104, 1304, 1404). Further, the calibrating factor facilitates compensating the affecting of the factor in the measurement. Further, the cameras (104, 1304, 1404) calibrate a camera parameter of the cameras (104, 1304, 1404) based on the calibrating factor to generate the measurement. Further, the processing unit (116, 1208, 1214, 1316, 1416, 1602) analyzes the measurement and generates a status of the crop (1004). Further, the communication interface (112, 1312, 1412) transmits the status to a device.



21: 2023/11299. 22: 2023/12/07. 43: 2025/02/06
51: H04B
71: ZTE CORPORATION
72: ZHANG, SHUJUAN, GAO, BO, ZOU, MINQIANG, LU, ZHAOHUA
54: REFERENCE SIGNALING DESIGN AND CONFIGURATION
00: -
Method and systems for reference signaling design and configuration are disclosed. In an implementation, a method of wireless communication includes determining, by a communication device, one or more channel status information reference signal resources, receiving, by the communication device, channel status information reference signal on the one or more channel status information reference signal resources, and reporting, by the communication device, to a communication node, channel state information including first information about one set of first type of vectors, second information about one or more sets of second type of vectors, and third information corresponding to D time domain units.

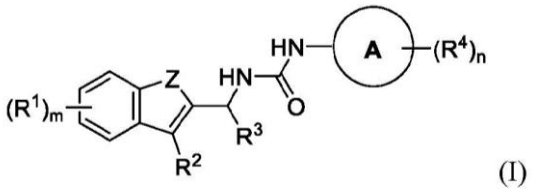


21: 2023/11311. 22: 2023/12/08. 43: 2025/02/10
51: C07K
71: TENEOBIO, INC.
72: TRINKLEIN, NATHAN, ALDRED, SHELLEY FORCE, HARRIS, KATHERINE, VAN SCHOOTEN, WIM
33: US 31: 62/522,355 32: 2017-06-20
54: ANTI-BCMA HEAVY CHAIN-ONLY ANTIBODIES
00: -
Anti-BCMA heavy chain-only antibodies (UniAb) and disclosed, along with methods of making such antibodies, compositions, including pharmaceutical compositions, comprising such antibodies, and their use to treat B-cell disorders characterized by the expression of BCMA.



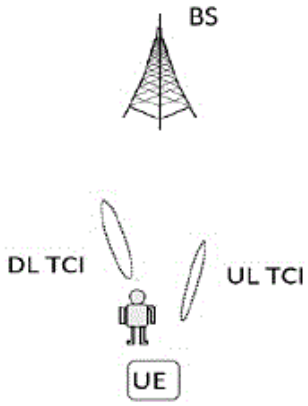
21: 2023/11329. 22: 2023/12/08. 43: 2025/02/06

51: A61K; A61P; C07D
71: SCORPION THERAPEUTICS, INC.
72: ST. JEAN Jr., David, CUMMINGS, Maxwell David
33: US 31: 63/210,370 32: 2021-06-14
54: UREA DERIVATIVES WHICH CAN BE USED TO TREAT CANCER
00: -
This disclosure provides compounds of Formula (I), Formula (II), and pharmaceutically acceptable salts thereof, that inhibit phosphatidylinositol 4,5-bisphosphate 3-kinase (PI3K) isoform alpha (PI3Ka). These chemical entities are useful, e.g., for treating a condition, disease or disorder in which increased (e.g., excessive) PI3Ka activation contributes to the pathology and/or symptoms and/or progression of the condition, disease or disorder (e.g., cancer) in a subject (e.g., a human). This disclosure also provides compositions containing the same as well as methods of using and making the same.

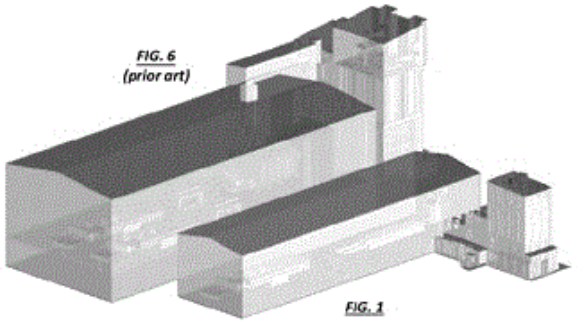


(I)

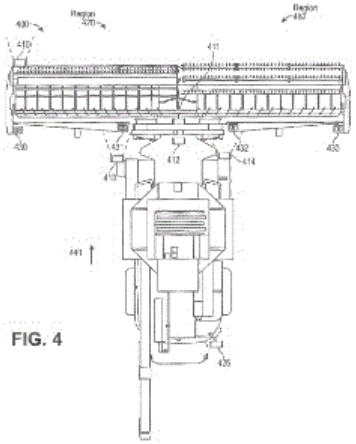
21: 2023/11330. 22: 2023/12/08. 43: 2025/02/06
51: H04L
71: ZTE CORPORATION
72: YAO, KE, ZHANG, SHUJUAN, GAO, BO, ZHANG, CHENCHEN, DONG, FEI
54: METHODS AND SYSTEMS FOR DETERMINING TRANSMISSION CONFIGURATION INDICATOR STATES
00: -
Methods and systems for techniques for determining transmission configuration indicator (TCI) states are disclosed. In an implementation, a method of wireless communication includes receiving, by a wireless device, at least one of a first transmission configuration indicator (TCI) state for a first direction transmission or a second TCI state for a second direction transmission, determining, by the wireless device, an indicated TCI state based on the first TCI state for a certain second direction transmission, and performing, by the wireless device, the certain second direction transmission according to the indicated TCI state.



21: 2023/11352. 22: 2023/12/07. 43: 2025/02/06
51: C03B; B65D; B65G; C03C
71: OWENS-BROCKWAY GLASS CONTAINER INC.
72: WEIL, SCOTT, WANG, ZHONGMING, ERNSTHAUSEN, RANDY, GREEN, THOMAS G, SMITH, ROGER P, RASHLEY, SHANE T, RAUSCH, PHILLIP J
33: US 31: 17/061,302 32: 2020-10-01
54: GLASS MANUFACTURING
00: -
According to an aspect of the disclosure, a glass manufacturing system includes a hot-end subsystem, including: a submerged combustion melter that melts feedstock to produce molten glass; a stiller that receives the molten glass from the submerged combustion melter and that includes a stilling tank to still the molten glass and that is configured to control outflow of the stilled molten glass to effectively decouple viscosity of the molten glass from the flow rate of the molten glass and thereby control finer molten glass levels; and a finer that is mechanically decoupled from the stiller, and that receives and fines the stilled molten glass to produce fined molten glass. Many other aspects of the system are also disclosed and claimed.



21: 2023/11355. 22: 2023/12/11. 43: 2025/03/25
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.

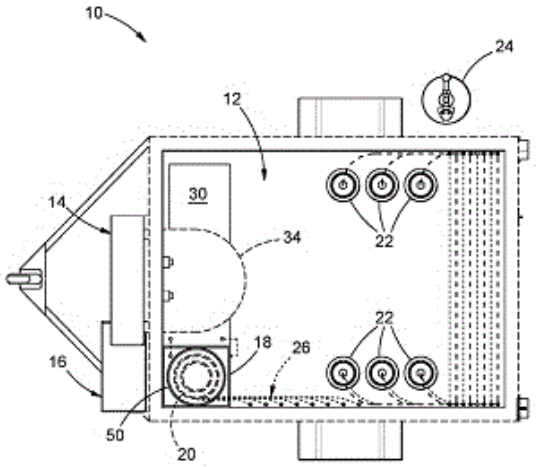


21: 2023/11363. 22: 2023/12/11. 43: 2025/02/18
51: G01C
71: SHELTERED WINGS, INC. d/b/a VORTEX OPTICS
72: MORELL, Rob, CAMPBELL, Richard
33: US 31: 63/187,649 32: 2021-05-12
54: SYSTEMS AND METHODS FOR PROVIDING A READING FROM A RANGEFINDING DEVICE
00: -
The disclosure relates generally to systems and methods for providing a range from a laser range finding device. In one embodiment, the disclosure relates to systems and methods for providing a consistent ranged distance to a user of a laser range finding device.

21: 2023/11365. 22: 2023/12/11. 43: 2025/04/04
51: A61K; C07K; C12N; A61P
71: SHIJIAZHUANG YILING PHARMACEUTICAL CO., LTD.
72: JIA, Zhenhua
33: CN 31: PCT/CN2021/097239 32: 2021-05-31
33: CN 31: PCT/CN2021/097240 32: 2021-05-31
33: CN 31: PCT/CN2021/106783 32: 2021-07-16
33: CN 31: PCT/CN2021/106784 32: 2021-07-16
54: MONOCLONAL ANTIBODIES AGAINST CLDN18.2 AND FC-ENGINEERED VERSIONS THEREOF
00: -
A panel of monoclonal antibodies which specifically bind to CLDN18.2 and do not specifically bind to CLDN18.1, and optionally have an engineered Fc region is provided.

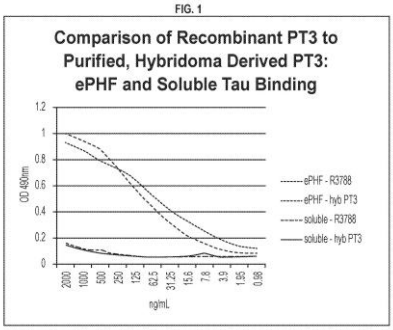
21: 2023/11384. 22: 2023/12/11. 43: 2025/02/06
51: B60H; B60P; B67D; F25D
71: TIMMERMANS, FILIP GASTON ROBERT
72: TIMMERMANS, FILIP GASTON ROBERT
33: ZA 31: 2021/03162 32: 2021-05-11
54: A MOBILE REFRIGERATED BAR UNIT
00: -
A mobile refrigeration unit, including: a container for the storage of beverages; a temperature conditioning means for maintaining a pre-set ambient temperature inside the container, and taking the form of a split system comprising a compressor, a condenser a thermostat, and an evaporator blower. The mobile refrigeration unit also includes a secondary temperature control mechanism for controlling the temperature of products to be dispensed; a pressure system, for controlling the water level in the secondary temperature control mechanism, and a series of refrigeration coils

through which products are pumped, and the temperature thereof measured by the thermostat. The combination of the temperature conditioning means and the secondary temperature control mechanism together defining a split cooling system.



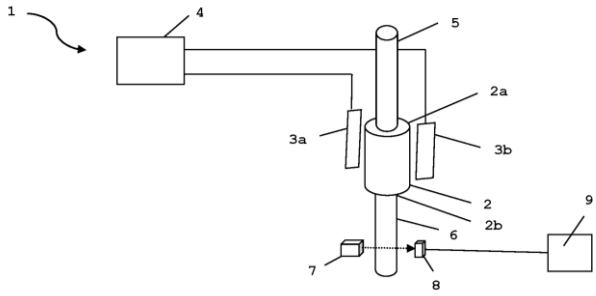
21: 2023/11412. 22: 2023/12/12. 43: 2025/02/21
51: C07K
71: Janssen Biotech, Inc.
72: MERCKEN, Marc, MALIA, Thomas, BORGERS, Marianne, VAN KOLEN, Kristof
33: US 31: 62/472,214 32: 2017-03-16
54: ANTI-PHF-TAU ANTIBODIES AND USES THEREOF
00: -
Monoclonal anti-PHF-tau antibodies and antigen-binding fragments thereof are described. Also described are nucleic acids encoding the antibodies, compositions comprising the antibodies, methods of producing the antibodies and using the antibodies for treating or preventing conditions such as tauopathies.

FIG. 1

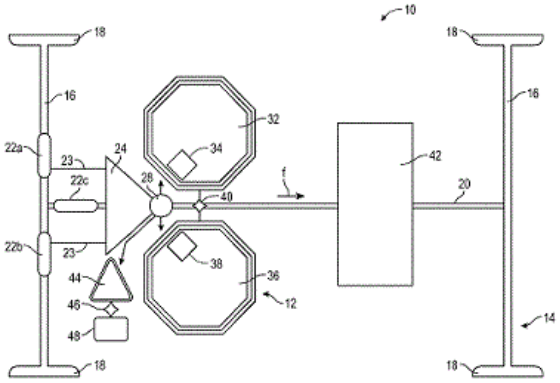


21: 2023/11432. 22: 2023/12/12. 43: 2025/02/06
51: A61K; C07K
71: DOMPE' FARMACEUTICI S.P.A.
72: ALLEGRETTI, MARCELLO, CIMINI, ANNAMARIA, BECCARI, ANDREA ROSARIO, TALARICO, CARMINE, MAURI, ELISABETTA MARIA ESTER, CATTANI, FRANCA
33: EP 31: 21173941.2 32: 2021-05-14
54: NOVEL PROTEIN AND NUCLEIC ACID SEQUENCES FOR COVID-19 VACCINES
00: -
The present invention relates to a mutated SARS-CoV-2 spike protein, a variant or fragment thereof or an mRNA or DNA encoding them for use in the prevention of COVID-19.

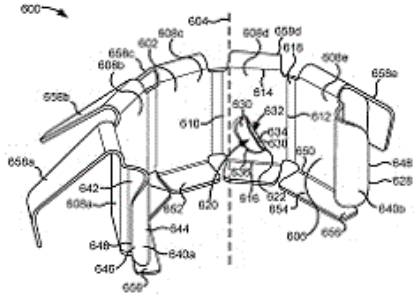
21: 2023/11459. 22: 2023/12/13. 43: 2025/02/18
51: C12M C12N G16B
71: BÜHLER AG
72: BUCHMANN, Leandro
33: EP 31: 21180081.8 32: 2021-06-17
54: METHOD AND SYSTEM FOR THE IDENTIFICATION OF OPTIMIZED TREATMENT CONDITIONS FOR TREATING CELLS WITH ELECTRIC PULSES
00: -
The present invention is related to a method for the identification of optimized conditions for treating cells with electric pulses for targeted inactivation, the extraction of bioactive compounds, and the stimulation of cell growth and/or cellular compounds, comprising the steps of treating samples comprising cellular material under at least one condition, preferably two or more different conditions, analysing the results of the treatment in step a) for each of the applied different conditions, and identifying suitable conditions from the analysis of step b). The present invention is furthermore related to a system (1) for performing said method, as well as to a method for treating cells for targeted inactivation, the extraction of bio-active compounds, and the stimulation of cell growth and/or cellular compounds, employing the above identified suitable conditions.



21: 2023/11465. 22: 2023/12/13. 43: 2025/02/04
51: B60L H02J B60W
71: MAGNOLIA GROUP, LLC
72: MILLER, Mark, Adam
33: US 31: 63/196,740 32: 2021-06-04
33: US 31: 17/515,900 32: 2021-11-01
54: A POWER MANAGEMENT SYSTEM FOR A BATTERY-OPERATED VEHICLE AND A METHOD OF OPERATING THE SAME
00: -
Power management system for battery-operated vehicle including electric motor, and kinetic energy devices for capturing kinetic friction energy produced by moving parts in the vehicle. Central direct current (DC) supercharge component (CDCSC) converts kinetic friction energy into an electric current. The CDCSC connects to a current toggle that directs electric current to battery packs i.e., a first battery pack and second battery pack for powering the electric motor. The current toggle directs electric current to battery packs to recharge/ store power. The power management system governs power output from the battery packs, manages depletion/efficiency of the battery packs, and includes a parallel port that directs outgoing power feeds from the battery packs to the electric motor. The electric motor connects to a drive shaft of the vehicle. The power management system includes an additional battery pack that stores excess kinetic friction energy captured for external transfer.

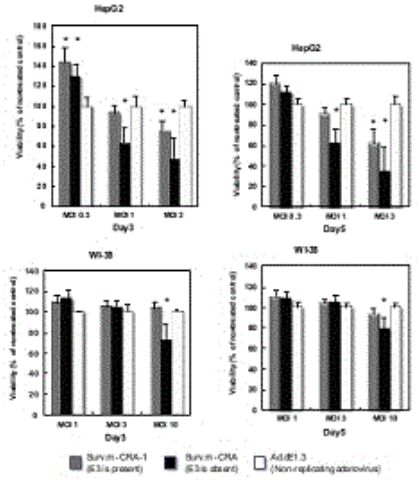


21: 2023/11466. 22: 2023/12/13. 43: 2025/02/06
51: E02F; F16B
71: CATERPILLAR INC.
72: WELLS, COREY, SERRURIER, DOUGLAS C, JURA, JASON
33: US 31: 17/304,263 32: 2021-06-17
54: RETAINER SLEEVE WITH AN ANTI-ROTATION FEATURE
00: -
In some implementations, a retainer sleeve may include a body including an at least partially annular configuration defining a retainer axis. The body may include an inner surface configured to rotatably receive an outer surface of a lock. The body may include a plurality of plates circumferentially joined together with respect to the retainer axis, where a first plate of the plurality of plates includes a first leg joined to the first plate extending away from the retainer axis and configured to contact a lock cavity of the lock. The body may include an anti-rotation feature, disposed on the first plate, extending inward from the inner surface toward the retainer axis, the anti-rotation feature including a locking surface configured to contact a lock skirt of the lock, the locking surface disposed at a first angle with respect to a bottom end of the first plate.



21: 2023/11480. 22: 2023/12/13. 43: 2025/02/06
51: A61K; A61P
71: SURV BIOPHARMA INC.
72: KOSAI, KEN-ICHIRO, NAGANO, SATOSHI, FUTAGAWA, TOSHITAKA
33: JP 31: 2021-084823 32: 2021-05-19
54: THERAPEUTIC PHARMACEUTICAL COMPOSITION FOR BONE AND SOFT TISSUE TUMORS
00: -
The present invention relates to a conditionally replicating adenovirus having the E1A gene under expression control of a Survivin promoter, wherein the adenovirus is not defective in the E3 region and a pharmaceutical composition for treating a bone and soft tissue tumor, containing the conditionally replicating adenovirus as an active ingredient.

FIG. 3



21: 2023/11483. 22: 2023/12/13. 43: 2025/02/06
51: C12N
71: LEAF EXPRESSION SYSTEMS LIMITED
72: HOLTON, NICHOLAS JOHN, ALONSO, ALBOR DOBON
33: GB 31: 2107598.1 32: 2021-05-27
54: RECOMBINANT PROTEIN PRODUCTION
00: -
Disclosed are regulatory elements, expression vectors comprising said regulatory elements for enhancing protein production in plant-based expression systems, and methods for their production and use.

21: 2023/11517. 22: 2023/12/14. 43: 2025/04/03
51: B65D
71: BERICAP HOLDING GMBH
72: KRAUTKRÄMER, Alexander
33: DE 31: 10 2021 125 520.1 32: 2021-10-01
54: CLOSURE DEVICE COMPRISING A SUPPORT RING
00: -
The present invention relates to a closure device (1) for closing a container, the closure device comprising a base element (2), the closure device comprising a closure cap (8), and the closure device (1) comprising an anchor ring (12) and a connecting means (13). According to the invention, the base element (2) has an additional support means (14), said support means (14) being positioned axially between a fastening means (7) and a first guide means (6), said support means (14) comprising a first surface element (15) having a surface normal (16), the surface normal (16) pointing in the direction of a pouring plane, the closure device (1) being designed in such a way that, when the closure device (1) is open, the closure cap (8) can be brought into a first position in which the closure cap (8) rests neither against the first surface element (16) nor against a first edge (17) delimiting the first surface element, and into a second position in which the closure cap (8) rests against the first surface element (16) or against the first edge (17) or against the first surface element (16) and the first edge (17), the closure cap (8) being mounted in the second position so as to be stabilised with respect to the base element (2).

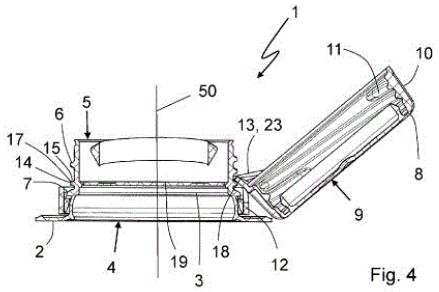


Fig. 4

21: 2023/11523. 22: 2023/12/14. 43: 2025/04/17
51: B04C; G01H
71: VULCO S.A.
72: PUTZ, Eduardo, LOPEZ, Javier, VEGA, Mauricio, HERNANDEZ, Carlos
33: GB 31: 2111307.1 32: 2021-08-05
54: HYDROCYCLONE OPTIMISATION
00: -
Controlling the operation of a hydrocyclone to maintain the hydrocyclone in a desired operational

state as it separates a pumped fluid into an overflow stream and an underflow stream is described. The method comprises measuring vibrations of the hydrocyclone at a selected frequency within a predetermined frequency range; comparing a characteristic of the measured vibrations at the selected frequency with a plurality of values representing transitions between different operational states of the hydrocyclone to identify a current operational state of the hydrocyclone; and generating an adjustment setting to change the identified current operational state to the desired operational state, where the adjustment setting increases or decreases a pumped fluid parameter.

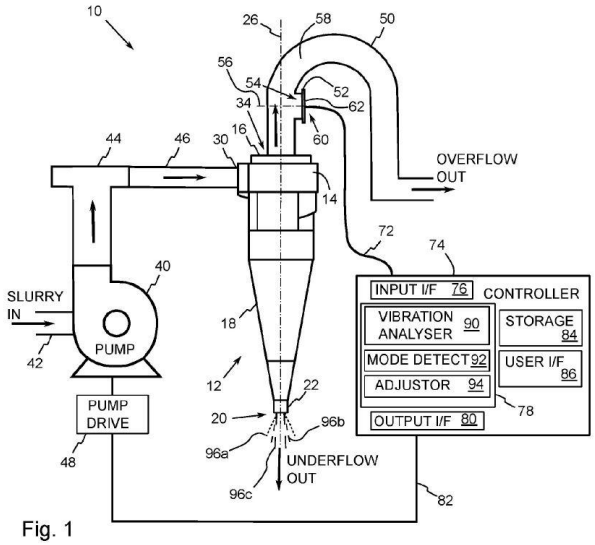
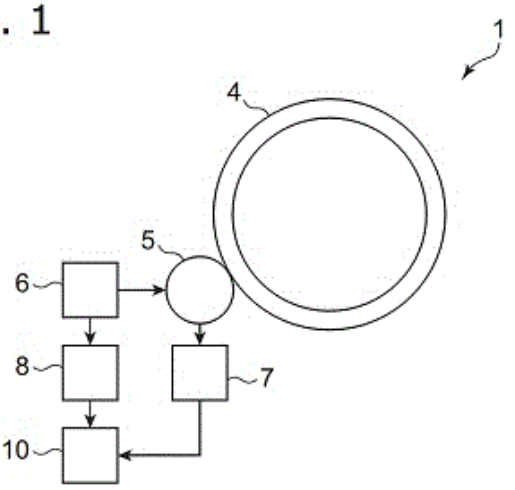


Fig. 1

21: 2023/11594. 22: 2023/12/18. 43: 2025/02/06
51: A61K; A61P
71: ACTIVE BIOTECH AB
72: WÄNNMAN, HANS
33: EP 31: 21175623.4 32: 2021-05-25
54: A PLURALITY OF TASQUINIMOD PARTICLES AND USE THEREOF
00: -
A plurality of particles of tasquinimod in free base form or as a pharmaceutically acceptable salt, said particles having a D(v,0.9) of at most 30 pm and a D(v,0.5) of at most 15 µm. A pharmaceutical composition comprising said particles and preferably one or more pharmaceutically acceptable excipients. A pharmaceutical dosage unit. The particles, composition and dosage unit are useful in the treatment of cancer.

21: 2023/11595. 22: 2023/12/18. 43: 2025/02/06
51: B02C
71: TMEIC CORPORATION
72: IKEDA, SHUZO
54: DETECTION DEVICE AND DETECTION SYSTEM
00: -
A detection device according to an embodiment of the present application detects the presence or absence of a workpiece adhered to the inner wall of a drum of a mill for crushing minerals. This detection device stores an initial torque detected at a preset initial rotation angle, calculates a maximum torque on the basis of the initial torque, the initial rotation angle, and a rotation angle greater than the initial rotation angle, calculates the ratio of the torque at the rotation angle divided by the maximum torque, compares the ratio to a preset threshold, and determines that there is a workpiece adhered to the inner wall of the drum if the ratio is equal to or greater than the threshold.

FIG. 1



21: 2023/11597. 22: 2023/12/18. 43: 2025/02/06
51: F03B
71: ENI S.P.A.
72: ZAMPATO, MASSIMO, VANZAN, DANIELE, MATTIAZZO, GIULIANA, CAPELLO, ELISA, BRACCO, GIOVANNI, BONFANTI, MAURO
33: IT 31: 102021000016634 32: 2021-06-24
54: WEC CONTROLLER, METHOD AND SYSTEM
00: -
Controller (10) of a gyroscope structure (2) associated with a floating hull (3) and equipped with an electrical converter (9) suitable for converting the rotational energy of said floating hull (3) into

electrical energy, the controller (10), receiving as input a perturbed output state (x) comprising operating variables of the gyroscope structure (2) to determine a driving signal (u) of the electrical converter (9), which comprises: a first signal portion (v) determined using a predictive control model of said gyroscope structure (2) computed on the basis of said perturbed output state (x) and a second signal portion (v*) determined using a tube convergence computed on parametric deviations (r) of said operating variables of said perturbed output state (x), said parametric deviations (r) computed with respect to the operating variables of a unperturbed output nominal state (ZNP) of said gyroscope structure (2).

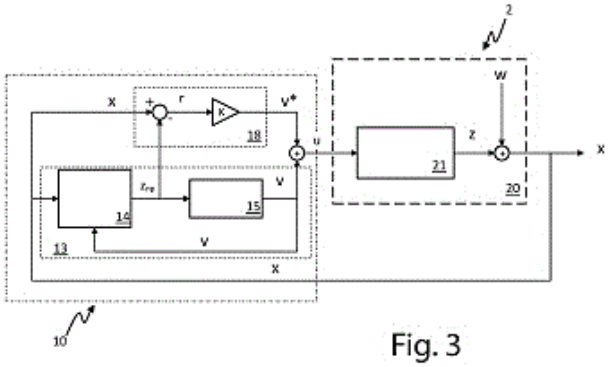
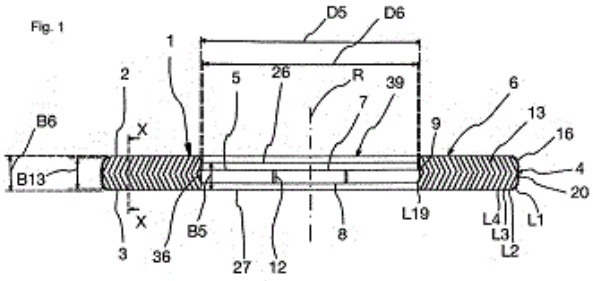
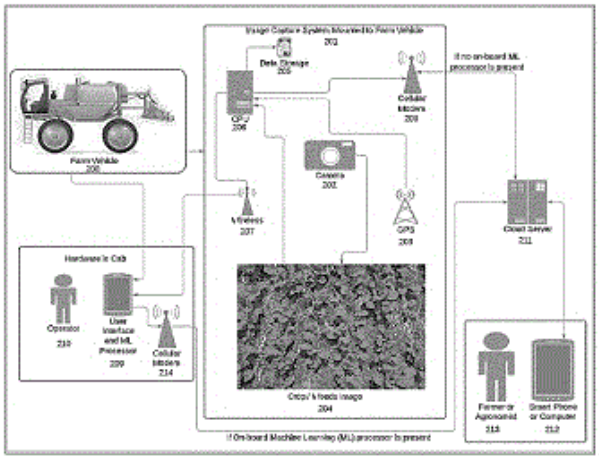


Fig. 3

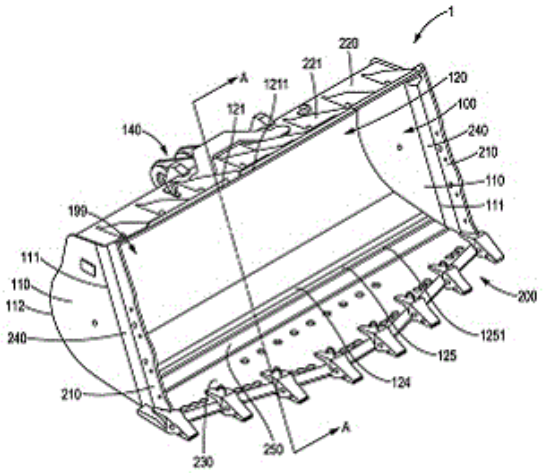
21: 2023/11645. 22: 2023/12/19. 43: 2025/02/06
51: B24D
71: LUKAS-ERZETT GMBH & CO. KG
72: SEILER, MARKUS
33: DE 31: 10 2021 114 052.8 32: 2021-05-31
54: GRINDING TOOL AND METHOD FOR PRODUCING A GRINDING TOOL
00: -
The invention relates to a grinding tool (1; 40; 50) which can be rotatably driven about an axis of rotation (R), comprising: a grinding belt (13) which is wound in a spiral form with a plurality of superimposed layers (L) about the axis of rotation (R) and has a grinding layer (16) on a belt side (15) that faces away from the axis of rotation, characterized in that the wound grinding belt (13) has a convexly curved design in a longitudinal section along the axis of rotation (R) with respect to the axis of rotation (R), and the layers (L) of the grinding belt (13) are arranged so as to engage radially into one another. The invention also relates to a method for producing the grinding tool (1; 40; 50).



21: 2023/11649. 22: 2023/12/19. 43: 2025/02/05
51: G03B; A01B; G01N
71: CROPTIMISTIC TECHNOLOGY INC.
72: RUDE, DEREK STANLEY, HASSALL, STUART, WILLNESS, CORWYN, BAIS, ABDUL, ASAD, MUHAMMED HAMZA
33: US 31: 63/192,521 32: 2021-05-24
54: METHOD AND SYSTEM FOR AUTOMATICALLY CAPTURING AND EXTRACTING DATA FROM IMAGES OF AGRICULTURAL FIELD CROPS AND WEEDS USING MACHINE LEARNING PROCESSES
00: -
A method and system for automatically capturing and extracting data from images of agricultural field crops, weeds, and soil within management zones representing soil, water, and topography (SWAT) features of a field wherein the camera system is mounted onto and powered by any vehicle that may pass over agricultural fields. Images and data extracted from the images are automatically uploaded to a processing server for viewing and analysis by farmers and agricultural service providers. The images are analyzed by machine learning processes to document critical weed and crop data by SWAT management zone and entire fields.



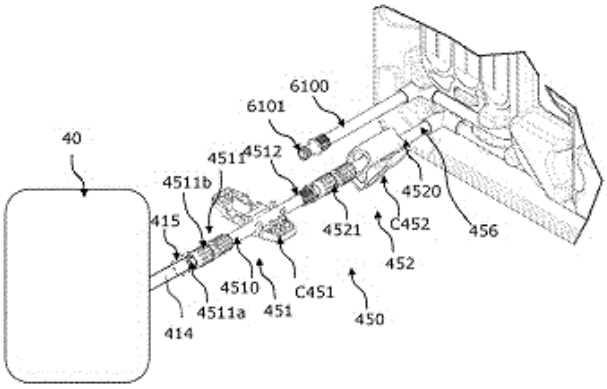
21: 2023/11677. 22: 2023/12/20. 43: 2025/02/06
51: E02F
71: CATERPILLAR INC.
72: KANNIAPPAN, GOPALAKRISHNAN, WORTH, DAVID, FAYVILLE, NICHOLAS JOHN, LARIMORE, DEREK D
33: US 31: 17/353,243 32: 2021-06-21
54: FATIGUE LIFE OPTIMIZED MODULAR BUCKET ASSEMBLY
00: -
A fatigue life optimized modular bucket assembly (1) for a work machine (3) and a method of manufacturing thereof are disclosed. The bucket assembly (1) includes a bucket core (100) having a pair of side sections (110), a continuous wrapper (120), a supporting element (130), and a receptacle (199); and an extension module (200) having a pair of side bars (210), a guard module (220), an edge module (230), and, optionally, a set of extension plates (240, 250, 260). The method includes prebuilding the bucket core (1310), receiving an order (1320), manufacturing the extension module (1330), and assembling the bucket core and the extension module (1340). Advantageously, the bucket assembly (1) may include both universal and customizable components without exhibiting a reduction to fatigue life commonly associated with weld seams.



21: 2023/11686. 22: 2023/12/20. 43: 2025/02/18
51: C12N C12P
71: CJ CHEILJEDANG CORPORATION
72: KWON, Nara, BONG, Hyun-Ju, LEE, Jin Nam, LEE, Ah Reum, HEO, Jung Ok
33: KR 31: 10-2021-0085738 32: 2021-06-30
54: STRAIN FOR PRODUCING HIGHLY CONCENTRATED L-GLUTAMIC ACID, AND L-GLUTAMIC ACID PRODUCTION METHOD USING SAME
00: -
The present application relates to a strain for producing highly concentrated L-glutamic acid, and an L-glutamic acid production method using same.

21: 2023/11710. 22: 2023/12/20. 43: 2025/02/05
51: A61M
71: PHYSIDIA
72: TODOROVA, VÉLIANA, VINCENT, ERIC
33: FR 31: FR2105339 32: 2021-05-21
33: FR 31: FR2105337 32: 2021-05-21
54: DIALYSIS MACHINE AND CORRESPONDING METHOD
00: -
The invention relates to a dialysis machine comprising a coupling system (450) for coupling a dialysate supply source (40) to a dialysate delivery system (51), the coupling system (450) comprising a first segment (451) which comprises a duct (4510) provided at one end with a first device (4511) for coupling to a first dialysate supply source and provided at the other end with a second coupling device (4512), and a second segment (452) which comprises a duct (4520) provided at one end with a coupling device (4521) that can be connected to the

second coupling device (4512) of the first segment (451) in order to enable series connection of the first segment and the second segment, it being possible to disconnect said first segment (451) from the second segment (452) such that, in the disconnected state of said first segment (451) in relation to the second segment (452), said coupling device (4521) of the second segment (452) can be coupled to a second dialysate supply source. The invention also relates to a corresponding method.



21: 2023/11711. 22: 2023/12/20. 43: 2025/02/05
51: G06K
71: ACT IDENTITY TECHNOLOGY LIMITED
72: CHEN, GANG
33: US 31: 63/222,560 32: 2021-07-16
54: CHIP MODULE AND METHOD OF FORMING SAME
00: -
A chip module (40a, 40b, 62) is disclosed as including an integrated-circuit (IC) chip (34, 64), a first flexible substrate layer (18) with a number of holes (28), a second adhesive substrate layer (16) with a number of holes (26), and a third substrate layer (14) made of an electrically conductive material, the second substrate layer being sandwiched between and fixedly engaged with the first and third substrate layers, the holes of the first substrate layer and the holes of the second substrate layer being aligned with each other to form a number of cavities (12, 66) each receiving at least a part of the IC chip.

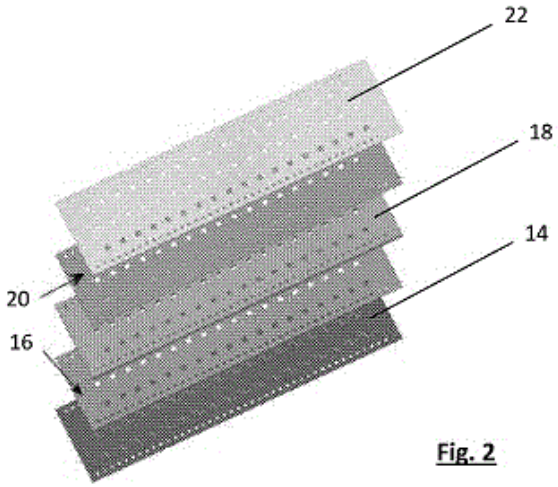
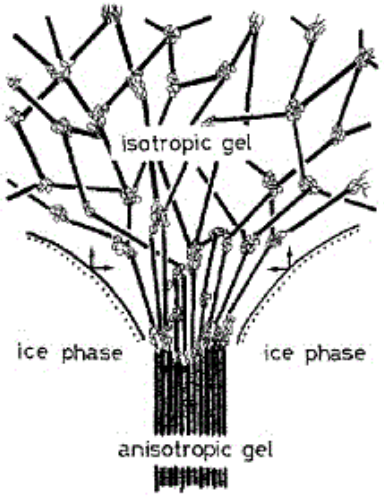
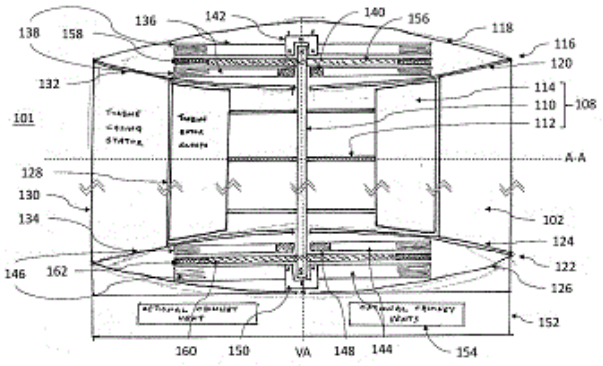


Fig. 2

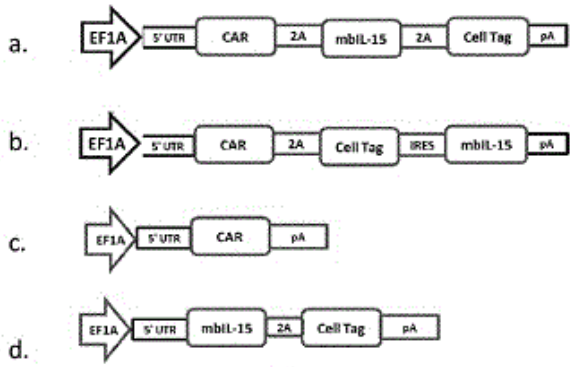
21: 2023/11713. 22: 2023/12/20. 43: 2025/02/05
51: A23J; A23L; A23P
71: NEW SCHOOL FOODS INC.
72: BRYSON, CHRISTOPHER, GREGSON, CHRISTOPHER MARK, ROUSSEAU, DERICK, DE VRIES, AUKE, DE HENAU, RAPHAEL
33: US 31: 17/666,930 32: 2022-02-08
33: US 31: 17/326,567 32: 2021-05-21
54: PROCESS FOR PRODUCING COOKABLE, FIBROUS MEAT ANALOGS WITH DIRECTIONAL FREEZING
00: -
The present disclosure provides a process for producing "cookable", fibrous meat analogs employing directional freezing. The process includes subjecting an ingestible hydrocolloid to directional freezing for inducing formation of elongated ice crystals in which the elongated ice crystals are aligned in a given direction in the directionally frozen hydrocolloid. Following this, elongated ice crystals are removed and are replaced by proteins and any other additives such as supplements which are located in the aligned channels originally containing the aligned ice crystals. Once the desired amount of protein loading is achieved, the protein-loaded hydrocolloid is subjected to conditions suitable to induce gelling of some of proteins to form protein gels in the aligned elongated channels.



21: 2023/11715. 22: 2023/12/20. 43: 2025/02/05
51: F03D
71: AIRDE PTE LTD
72: GORDON, IAN
33: GB 31: 2107681.5 32: 2021-05-28
54: WIND TURBINE WITH ROTATIONAL AXIS PERPENDICULAR TO THE WIND FLOW
00: -
The invention described herein pertains to a housing for a vertical-axis wind turbine, a vertical-axis wind turbine, and an apparatus comprising a housing and a vertical-axis wind turbine. For example, the disclosure below provides more efficient electricity generation from a vertical-axis wind turbine assembly. Increases in efficiency may be achieved by the housing through novel angled louvres and integrally housed electrical stators. Increases in efficiency may also be achieved through a magnetic spindle bearing and Savonius blade geometry. The turbine may be sized and configured for attachment to existing structures.

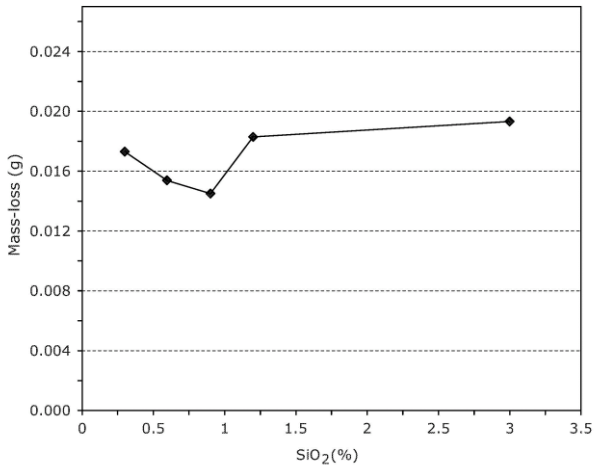


21: 2023/11718. 22: 2023/12/19. 43: 2025/02/05
51: C07K; C12N; A61K
71: PRECIGEN, INC.
72: SABZEVARI, HELEN, SHAH, RUTUL R
33: US 31: 62/680,297 32: 2018-06-04
54: MUC16 SPECIFIC CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF
00: -
Provided herein are chimeric antigen receptors (CARs) for cancer therapy, and more particularly, CARs containing a scFv from an anti-MUC16 monoclonal antibody. Provided are immune effector cells containing such CARs, and methods of treating proliferative disorders.



21: 2023/11755. 22: 2023/12/21. 43: 2025/02/06
51: C09C; C09D
71: Venator Materials UK Limited
72: TEMPERLEY, John, EDWARDS, John L., ROBB, John
33: GB 31: 1502250.2 32: 2015-02-11
54: COATED PRODUCT
00: -
The invention provides a coated particulate inorganic material comprising: (i) a particulate inorganic material selected from titanium dioxide, doped titanium dioxide and combinations thereof, wherein the particulate inorganic material has an average crystal size of from 0.4 µm to 2µm; and (ii) a coating on said particulate inorganic material, the coating comprising a first layer and a second layer. The material for the first layer is one or more material selected from inorganic oxides and inorganic phosphates, with the inorganic oxide being independently selected from an oxide of: (a) group 4 (IVB) and 12 (IIB) transition metals selected from Ti, Zr and Zn; and (b) group 13 to 15 (IIIA-VA) p-block elements selected from Si, P and Sn; and (c) lanthanides. The inorganic phosphate is

independently selected from a phosphate of: (i) group 1 (IA) and 2 (IIA) alkali and alkaline earth metals selected from H, Li, Na, K, Rb, Be, Mg, Ca and Sr; and (ii) group 3 (IIIA) and 4 (IVB) transition metals selected from Sc, Y, Ti and Zr; and (iii) group 13 to 15 (IIIA-VA) p-block elements selected from Al, Ga, In, TI, Ge, Sn and Pb. The material for the second layer is alumina. The amount of the first layer on the particulate inorganic material is from 0.1 to 2.2% w/w, when considering the total weight of the first layer material with respect to the total weight of the particulate inorganic material. The amount of the second layer on the particulate inorganic material is 0.1 to 3.5% w/w when considering the total weight of the second layer material with respect to the total weight of the particulate inorganic material. The total amount of coating is from 0.2 to 4.5% w/w when considering the total weight of the first and second layer material with respect to the total weight of the particulate inorganic material.

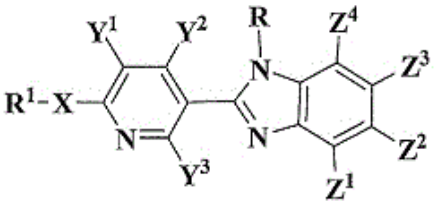


21: 2023/11792. 22: 2023/12/21. 43: 2025/02/05
51: C21C; C22B; H01M
71: UMICORE
72: SCHEUNIS, LENNART
33: EP 31: 21176046.7 32: 2021-05-26
54: ENERGY-EFFICIENT PYROMETALLURGICAL PROCESS FOR TREATING LI-ION BATTERIES
00: -
The present disclosure concerns a 2-step smelting process, for recovering of Ni and Co from batteries and other sources. The process comprises the steps of: - defining an oxidizing level Ox, and a battery-bearing metallurgical charge; - oxidizing smelting of the metallurgical charge by injecting an O_2-bearing gas into the melt to reach the defined oxidizing level Ox; and, - reducing smelting of the obtained slag using a heat source and a reducing agent. The process is more energy-efficient than a single-step reducing smelting process and provides for a higher purity alloy and for a cleaner final slag.

21: 2023/11793. 22: 2023/12/21. 43: 2025/02/05
51: C22B; H01M; C21C
71: UMICORE
72: YAGI, RYOHEI, SCHEUNIS, LENNART
33: EP 31: 21176046.7 32: 2021-05-26
54: RECOVERY OF NICKEL AND COBALT FROM LI-ION BATTERIES OR THEIR WASTE
00: -
The present invention lies in the field of pyrometallurgy and discloses a process and a slag suitable for the recovery of Ni and Co from Li-ion batteries or their waste. The slag composition is defined according to: 10% < MnO < 40%; (CaO + 1.5*Li_2O) / Al_2O_3 > 0.3; CaO + 0.8*MnO + 0.8*Li_2O < 60%; (CaO + 2*Li_2O + 0.4*MnO) / SiO_2 ≥ 2.0; Li_2O ≥ 1%; and, Al_2O_3 + SiO_2 + CaO + Li_2O + MnO + FeO + MgO > 85%.This composition is particularly adapted to limit or avoid the corrosion of furnaces lined with magnesia-bearing refractory bricks.

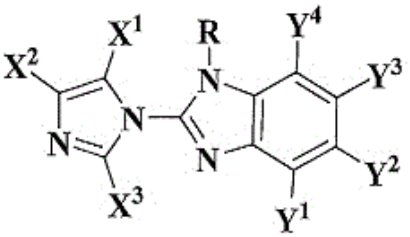
21: 2023/11796. 22: 2023/12/21. 43: 2025/02/05
51: C07D; A01N; A61K; A61P
71: NIHON NOHYAKU CO., LTD.
72: TANAKA, RYOSUKE, FUJIHARA, HIROKAZU, FUCHI, SHUNSUKE, FUKATSU, KOSUKE
33: JP 31: 2021-092795 32: 2021-06-02
33: JP 31: 2022-021145 32: 2022-02-15
54: BENZIMIDAZOLE COMPOUND OR SALT THEREOF, CANINE FILARIASIS CONTROL AGENT CONTAINING SAME, AND METHOD OF USE THEREOF
00: -
The present invention addresses the problem of providing a canine filariasis control agent for animals that exerts excellent efficacy when administered to a target animal, and a method of the use of a canine filariasis control agent in a target animal with the use of aforesaid agent. The present invention provides a benzimidazole compound represented by general formula (1) [wherein: R represents a hydrogen atom, an alkyl group, etc.; Y^1, Y^2, Y^3, Z^1 and Z^4 represent a hydrogen atom, etc.; Z^2 and Z^3 represent a hydrogen atom, a halogen atom, etc.; R^1 represents a

haloalkyl group, etc.; and X represents an oxygen atom, etc.] or a salt thereof, a canine filariasis control agent for animals comprising the same as an active ingredient, a method of the use thereof, etc. en



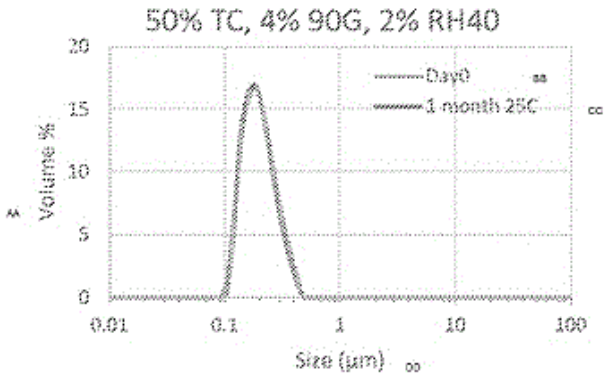
(1)

21: 2023/11797. 22: 2023/12/21. 43: 2025/02/05
51: C07D; A01N; A61K; A61P
71: NIHON NOHYAKU CO., LTD.
72: FUKATSU, KOSUKE, TANAKA, RYOSUKE, FUJIHARA, HIROKAZU
33: JP 31: 2022-021150 32: 2022-02-15
33: JP 31: 2021-092798 32: 2021-06-02
54: BENZIMIDAZOLE COMPOUND OR SALT THEREOF, CANINE FILARIASIS CONTROL AGENT CONTAINING SAME, AND METHOD OF USE THEREOF
00: -
The present invention addresses the problem of providing a canine filariasis control agent for animals that exerts excellent efficacy when administered to a target animal, and a method of the use of a canine filariasis control agent in a target animal with the use of aforesaid agent. The present invention provides a benzimidazole compound represented by general formula (1) [wherein: R represents a hydrogen atom, etc.; X^1, X^3, Y^1, Y^2, Y^3 and Y^4 represent a hydrogen atom, etc.; and X^2 represents a substituted phenylalkyl group, etc.] or a salt thereof, a canine filariasis control agent for animals comprising the same as an active ingredient, a method of the use thereof, etc.

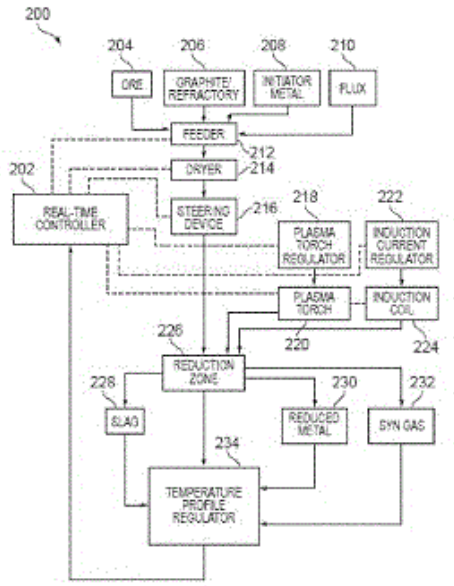


(1)

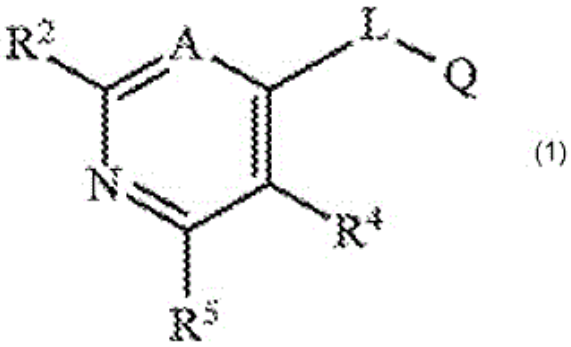
21: 2023/11798. 22: 2023/12/21. 43: 2025/02/10
51: A61K; A61P
71: CERECIN AUSTRALIA PTY LIMITED
72: LIU, AIKUN JULIE, KAASGAARD, THOMAS, NAIR C K BALACHANDRAN, MURALI, HENDERSON, SAMUEL T, BOYD, BENJAMIN
33: US 31: 63/192,826 32: 2021-05-25
54: STABLE LIQUID PHARMACEUTICAL COMPOSITIONS HAVING HIGH DRUG LOADINGS OF MEDIUM CHAIN TRIGLYCERIDES AND METHODS RELATED THERETO
00: -
This invention relates to high drug load compositions of medium chain triglycerides (MCT), and to methods for treatment with such compositions at amounts effective to elevate ketone body concentrations so as to treat conditions associated with reduced neuronal metabolism, for example Alzheimer's disease.



21: 2023/11799. 22: 2023/12/21. 43: 2025/02/05
51: F27B; F27D
71: EESTECH EUROPE HOLDINGS BV
72: LEHMAN, CHAD DANIEL, BAILEY, MURRAY JAMES
33: GB 31: 2108524.6 32: 2021-06-15
54: IMPROVED HYBRID SMELTING SYSTEM
00: -
The present invention relates to improvements to an induction smelting process. It relates to a hybrid combination of plasma over induction for a superefficient continuous smelting process; and real-time monitoring and adjustment of the smelting process. Disclosed is a hybrid smelting system comprising a real-time controller and a reduction zone in which plasma over induction heating continuously smelt feed material(s) fed into the reduction zone. Slag and reduced metals (alloy) are discharged under supervision of the real-time controller.

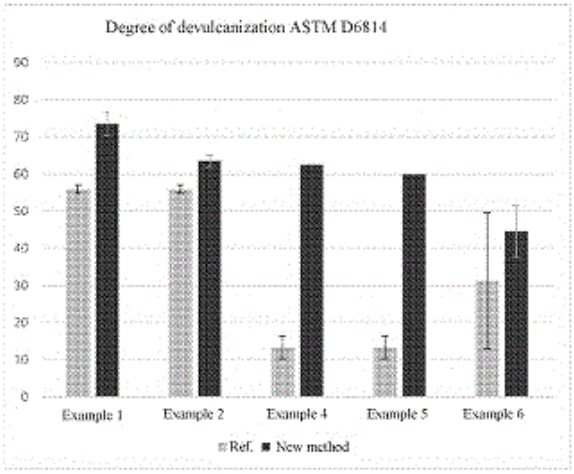


21: 2023/11801. 22: 2023/12/21. 43: 2025/02/05
51: C07D; A01N; A61K
71: FMC CORPORATION
72: XU, MING, PAHUTSKI JR, THOMAS FRANCIS
33: US 31: 63/214,420 32: 2021-06-24
54: AZOLE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS
00: -
Disclosed are compounds of Formula (1), including all geometric and stereoisomers, *N*-oxides, and salts thereof, wherein R^1, A, R^2, R^4, R^5, L and Q are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula (1) and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound or a composition of the disclosure.



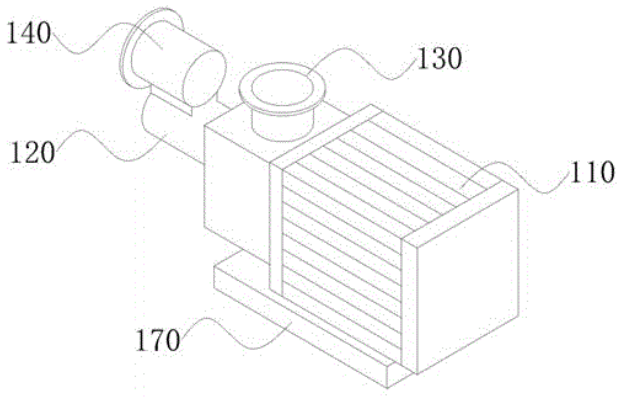
(1)

21: 2024/00125. 22: 2024/01/02. 43: 2025/02/19
51: C08J; C08C; C08K; B29B
71: RUBBER CONVERSION S.R.L.
72: FOCHESATO COLOMBANI, FILIPPO
33: IT 31: 102021000014606 32: 2021-06-04
54: DEVULCANIZING ADDITIVE, RELATIVE METHOD OF DEVULCANIZATION AND DEVULCANIZED PRODUCT
00: -
A devulcanizing additive for vulcanized elastomers is described, said additive having improved efficiency and selectivity, together with the relative method of devulcanization, in continuous and batchwise, and the devulcanized product obtained by means of said devulcanization method of vulcanized elastomers.

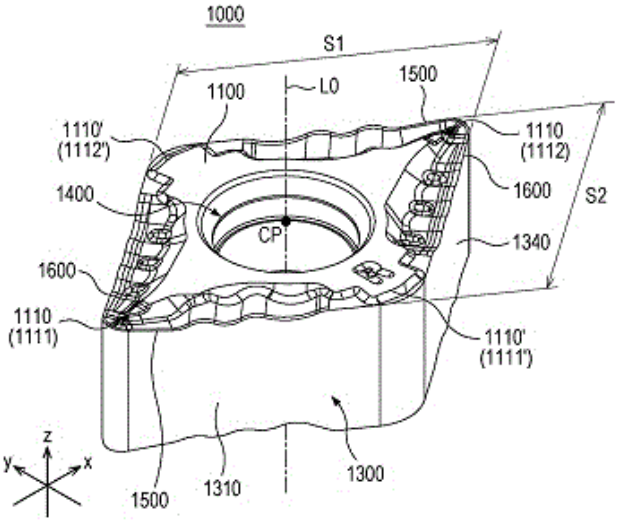


21: 2024/00127. 22: 2024/01/02. 43: 2025/02/19
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: HIBAN, DOUGLAS JOHN, MOADDEL, TEANOOSH, VASUDEVAN, TIRUCHERAI VARAHAN, KWAN, THOMAS ALAN
33: EP 31: 21183528.5 32: 2021-07-02
54: ESTER COMPRISING HYDRATABLE CONCENTRATED SURFACTANT COMPOSITION
00: -
The invention is directed to a hydratable concentrated surfactant composition. The composition is pourable, easy to dilute, substantially free of sulfate and oil, comprises a C_6 -C_{14} acid, alcohol, amide or mixture thereof, anionic surfactant and an amphoteric surfactant, zwitterionic surfactant or both. The composition is in lamellar phase and thickens and transforms to an isotropic phase upon dilution. The composition comprises a mono-, di and/or tri-ester, can be used as a concentrate in small volumes and diluted as used and needed or can be diluted with water in refill packaging to ensure a reduction in plastic waste.

21: 2024/00150. 22: 2024/01/03. 43: 2025/02/20
51: F04D
71: TONG, Tsak Lam Simon
72: TONG, Tsak Lam Simon
33: CN 31: 202220552091.X 32: 2022-03-11
54: CROSS-LINKED POLYETHYLENE WATER PUMP
00: -
A cross-linked polyethylene water pump, comprising a water pump body (110), wherein one side and a top end of the water pump body (110) are in communication with a water intake pipe (120) and a water output pipe (130) respectively, a water purification pipe (140) is provided on the top of the water intake pipe (120), a filter plate (150) is arranged in the water purification pipe (140), a unblocking mechanism (160) for unblocking the filter plate (150) is further arranged in the water purification pipe (140), a support seat (170) is fixedly arranged at a bottom end of the water pump body (110), and a limiting mechanism (180) for adjusting the height of the water pump body (110) is arranged on the support seat (170). When the water pump body (110) operates, water delivered by the water pump body (110) impacts the unblocking mechanism (160) to drive the unblocking mechanism (160) to operate, and under the action of the unblocking mechanism (160), filter holes on the filter plate (150) can be unblocked to maintain normal operations of the filter plate (150), and the filter plate (150) can be unblocked while water is being delivered by the water pump body (110) without shut-down, such that time is saved on and cleaning is facilitated.

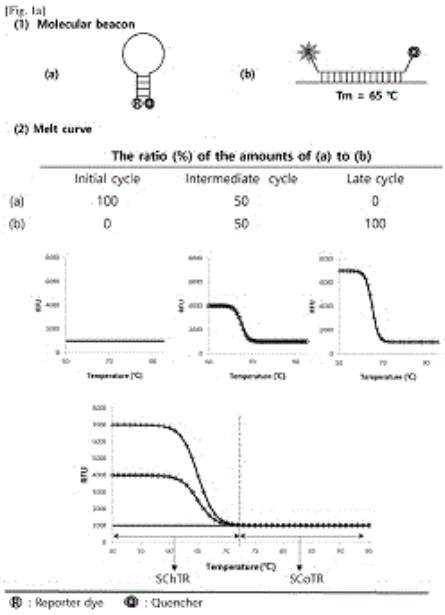


21: 2024/00186. 22: 2024/01/04. 43: 2025/02/19
51: B23B
71: TAEGUTEC LTD.
72: JEONG, CHANG WON
33: US 31: 17/345,105 32: 2021-06-11
54: CUTTING INSERT AND CUTTING TOOL ASSEMBLY INCLUDING SAME
00: -
A cutting insert capable of performing front-turning and high feed back-turning according to one embodiment includes: an upper surface; a lower surface opposite to the upper surface in a vertical direction; a side portion configured to connect the upper surface and the lower surface; a mounting hole extending through the upper surface and the lower surface; and a plurality of cutting edges formed at edges where the upper surface meets the side portion, wherein the upper surface has one or more cutting corners, the plurality of cutting edges include a major cutting edge and a minor cutting edge extending from the cutting corner, and a representative inclination of the minor cutting edge used for high feed back-turning is greater than a representative inclination of the major cutting edge used for front-turning with respect to a virtual reference plane perpendicular to the vertical direction.

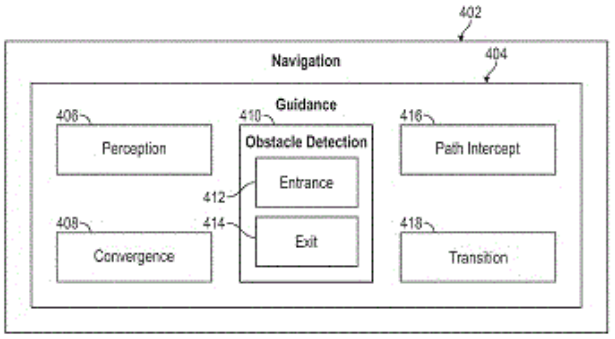


21: 2024/00187. 22: 2024/01/04. 43: 2025/02/19
51: C12Q
71: SEEGENE, INC.
72: LEE, HAN BIT, KIM, JEONG WOO, KIM, HYEON BE
33: KR 31: 10-2021-0078463 32: 2021-06-17
54: DETECTION OF MULTIPLE TARGET NUCLEIC ACID USING MULTIPLE DETECTION TEMPERATURES

00: -
The present disclosure pertains to a method for detecting multiple target nucleic acids by a single type of label alone in a single reaction vessel by using multiple detection temperatures, which is characterized by providing a signal change dependent on the presence of a corresponding target nucleic acid at a corresponding detection temperature of each of the target nucleic acids. The conventional techniques using a single type of label is subjected to melting analysis after target amplification so as to detect multiple target nucleic acids. In contrast, the present method does not require melting curve analysis after target amplification, even using a single type of label, and thus can remarkably reduce the analysis time.

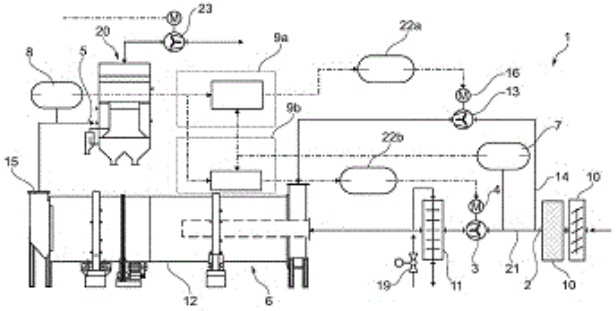


21: 2024/00188. 22: 2024/01/04. 43: 2025/02/19
51: G01C; G06Q; G05D; A01B; G06V; A01D
71: RAVEN INDUSTRIES, INC
72: SNEYDERS, YURI, VAN ROEKEL, JEFFREY ALLEN, RUST, MATTHEW K, RAMAKRISHNAN, RAHUL, KOCER, JARED ERNEST, JOHNSON SCHMIDT, ANTHONY DOUGLAS
33: US 31: 63/208,878 32: 2021-06-09
33: US 31: 63/275,373 32: 2021-11-03
54: GUIDANCE SYSTEM TO NAVIGATE INTERVENING OBSTACLES AND METHODS FOR SAME
00: -
A system having a guidance module to obtain a travel path from an agricultural machine to a target. The guidance module including a perception module to determine target line that extends from the machine to the target, and obstacle detection module to detect an obstacle in the first target line, the obstacle having an obstacle boundary that intersects the target line. The guidance module including a mitigation module to obtain a mitigation path around the obstacle based on the target line and the obstacle boundary, the mitigation path including a mitigation segment. The mitigation module including an entrance module configured to determine a starting position of the mitigation path based on a second target line and an exit module configured to determine the ending position of the mitigation path based on a third target line. The guidance module including convergence module to combine the mitigation path with the travel path.



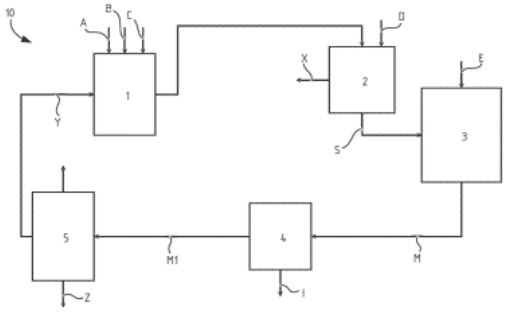
21: 2024/00258. 22: 2024/01/08. 43: 2025/02/19
51: F04D; F24F; F26B
71: BMA BRAUNSCHWEIGISCHE MASCHINENBAUANSTALT GMBH
72: CASPERS, GERALD, HAFEMANN, HARTMUT
33: DE 31: 10 2021 115 471.5 32: 2021-06-15
54: METHOD FOR CONTROLLING A CONVEYED FLUID MASS FLOW BY MEANS OF DIFFERENTIAL PRESSURE MEASUREMENT, AND SYSTEM THROUGH WHICH FLUID FLOWS
00: -
The invention relates to a method for controlling a conveyed mass flow of fluid or air in a system (1) through which fluid or air flows, comprising: an inlet (2); at least one fan (3) connected downstream of the inlet (2) in the flow direction and having a drive (4); an outlet (5) for conveyed fluid or conveyed air from the fan (3); a pressure loss portion (6) between the fan (3) and the outlet (5); and at least one sensor (7, 8), which is coupled to at least one calculation module (9a, 9b) and to at least one control device (22a, 22b), by means of which the drive (4) of the

fan (3) is controlled on the basis of sensor values. A first pressure sensor (7) is provided upstream of the fan (3) in the flow direction and a second pressure sensor (8) is provided downstream of the pressure loss portion (6) in the flow direction, and the speed of the fan (3) is controlled on the basis of the measured pressure difference between the two pressure sensors (7, 8).



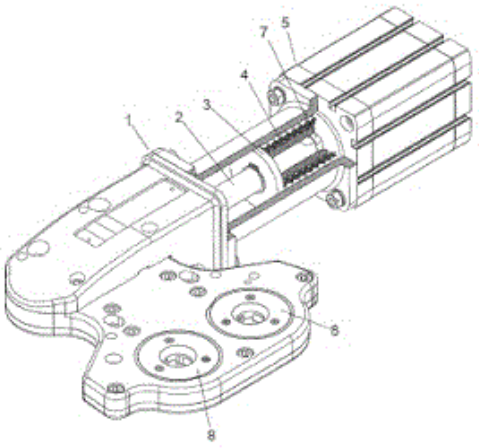
21: 2024/00267. 22: 2024/01/08. 43: 2025/02/11
51: B01J; C07D; C08G
71: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, an Indian registered body incorporated under the Regn. of Soc. Act (Act XXI of 1860)
72: AYYAPPANPILLAI, Ajayaghosh, MAL, Arindam, MISHRA KUMAR, Rakesh, BHASKARAN NAIR SARASWATHY AMMA, Dileep Kumar, JACOB, Jubi, SHANKAR POOPPANAL, Sreejith
33: IN 31: 202211000696 32: 2022-01-06
54: A SMART COVALENT ORGANIC FRAMEWORK AND A PROCESS FOR CARBON DIOXIDE ADSORPTION INDUCED SWITCHABLE ANTIBACTERIAL ACTIVITY THEREFROM
00: -
The present invention is related to a class of stable 2D covalent organic frameworks with multiple dimethyl amino groups that can trap carbon dioxide at ambient temperature and pressure, and an economical, environmentally-friendly process for the generation of transient surface charges and subsequent self-exfoliation of the COF into ultrathin nanosheets. The said exfoliated material possess activity against pathogenic bacteria. The invention further discloses a carbon dioxide induced exfoliation process that is completely reversible upon heat treatment, whereby control over bacterial growth is achieved via an efficient antibiotic switch.

21: 2024/00273. 22: 2024/01/08. 43: 2025/02/11
51: C08J
71: Ioniqa Solutions B.V.
72: FUFACHEV, Egor Vasilyevich, WOLTERS, Alexander Thomas, DE HAAN, André Banier, WOLTERS, Joost Robert
33: NL 31: 2028500 32: 2021-06-21
54: METHOD AND REACTOR SYSTEM FOR DEPOLYMERIZING A TEREPHTHALATE-POLYMER INTO REUSABLE RAW MATERIAL
00: -
A method and reactor system for depolymerizing a terephthalate polymer into reusable raw material are described, as well as a raw material obtainable by the method. The method inter alia comprises providing the polymer and a solvent such as ethylene glycol as a reaction mixture in a reactor. A heterogeneous catalyst, such as a metal containing particle, and/or a homogeneous catalyst is provided in the reaction mixture and the reaction mixture heated to depolymerize the polymer. Monomer comprising bis-(2-hydroxyethyl)-terephthalate (BHET), and 2-hydroxyethyl[2- (2-hydroxyethoxy)ethyl]terephthalate (BHEET) as byproduct are formed. The BHET is recovered from a depolymerized product stream exiting the reactor and a BHET-depleted stream is formed. A mass fraction of BHEET in the depolymerized product stream and/or in the BHET-depleted stream is monitored and adjusted to below a predetermined limit value of the BHEET-mass fraction in the depolymerized product stream.

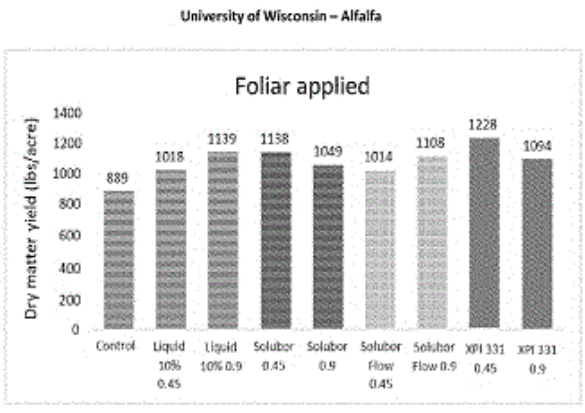


21: 2024/00309. 22: 2024/01/09. 43: 2025/02/21
51: B23K; F15B
71: BRÄUER SYSTEMTECHNIK GMBH
72: NITZ, JENS
54: SPRING-ASSISTED LINEAR DRIVE
00: -
The invention relates to a double-acting linear drive, consisting of a combination of a linear drive

(mechanic/pneumatic/hydraulic) with a spring for the purpose of boosting the force of the linear drive on one end beyond the pure nominal force of the linear drive.



21: 2024/00313. 22: 2024/01/09. 43: 2025/02/21
51: C05D
71: U.S. BORAX INC.
72: DE SEQUEIRA, CLEITON, BARCELOS CARDOSO, FLAVIO, BOEHLJE, WENDALL
33: US 31: 63/212,411 32: 2021-06-18
54: POTASSIUM BORON-CONTAINING FERTILIZER AND PROCESS
00: -
The present disclosure provides a process. In an embodiment, the process includes providing a stable aqueous suspension composed of from 30% (w/w) to 60% (w/w) suspended particles of potassium pentaborate, and spraying the suspension on a plant at a rate from 0.20 lbs/acre to 0.70 lbs/acre.



21: 2024/00317. 22: 2024/01/09. 43: 2025/02/11
51: F23C; F23N
71: Sumitomo SHI FW Energia Oy
72: LIUKKONEN, Mika, MIETTINEN, Jouni, KETTUNEN, Ari
54: METHOD FOR DETERMINING A LOCAL TEMPERATURE ANOMALY IN A FLUIDIZED BED OF A COMBUSTION BOILER, METHOD FOR CALIBRATING A NUMERICAL MODEL OF A FLUIDIZED BED OF A COMBUSTION BOILER, METHOD FOR ESTIMATING RISK OF FLUIDIZED BED COMBUSTION BOILER BED SINTERING, METHOD OF CONTROLLING A FLUIDIZED BED BOILER, AS WELL AS A COMBUSTION BOILER
00: -
Method for determining a local temperature anomaly in a fluidized bed of a combustion boiler, method for calibrating a numerical model of a fluidized bed of a combustion boiler, method for estimating risk of fluidized bed combustion boiler bed sintering, method of controlling a fluidized bed boiler, as well as a combustion boiler To improve the control of a fluidized bed boiler system (10), certain methods related to the condition monitoring of fluidized bed are suggested. In the method of controlling a fluidized bed boiler system (10), for example, local bed temperature anomalies and/or a bed sintering index is/are monitored; upon detecting a local bed temperature anomaly and/or bed sintering index exceeding a predefined criterion, automatically adjusting combustion boiler system (10) operation and/or indicating the boiler operator that a local bed temperature anomaly and/or a bed sintering condition is detected.

FIG 1

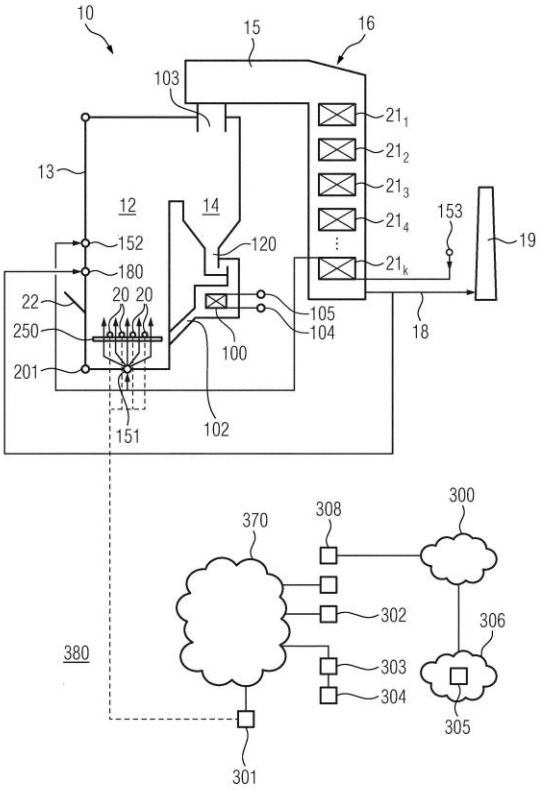
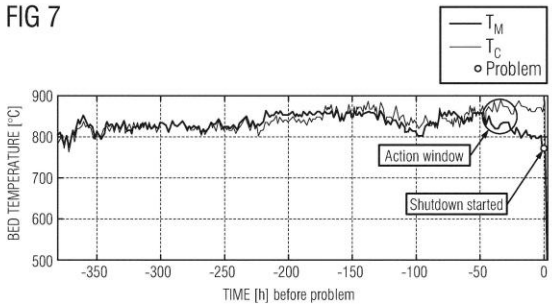
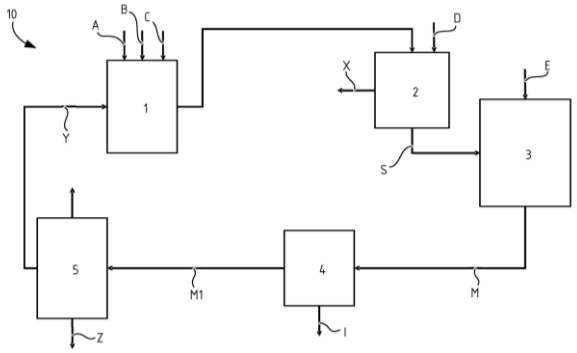


FIG 7



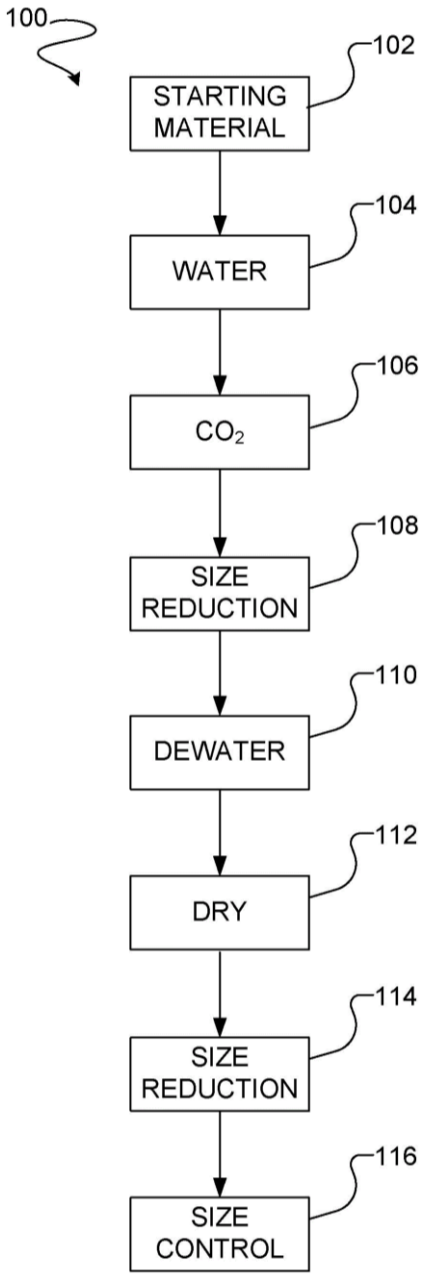
21: 2024/00322. 22: 2024/01/09. 43: 2025/02/11
51: C08J
71: Ioniqa Solutions B.V.
72: FUFACHEV, Egor Vasilyevich, WOLTERS, Alexander Thomas, WOLTERS, Joost Robert, DE HAAN, André Banier
33: NL 31: 2028499 32: 2021-06-21
54: METHOD AND REACTOR SYSTEM FOR DEPOLYMERIZING A TEREPHTHALATEPOLYMER INTO REUSABLE RAW MATERIAL
00: -
A method and reactor system for depolymerizing a terephthalate polymer into reusable raw material are described, as well as a raw material obtainable by the method. The method inter alia comprises providing the polymer and a solvent such as ethylene glycol as a reaction mixture in a reactor. A reusable catalyst complex comprising a catalyst entity, a metal containing nanoparticle, and a bridging moiety connecting the catalyst entity to the metal containing nanoparticle is dispersed in the reaction mixture and the reaction mixture heated to depolymerize the polymer into monomers comprising bis-(2-hydroxyethyl)-terephthalate (BHET). 2-hydroxyethyl[2-(2- hydroxyethoxy)ethyl]terephthalate (BHEET) is formed as byproduct. The BHET is recovered from the depolymerized product stream and a BHET-depleted stream is formed. A mass fraction of BHEET in the depolymerized product stream and/or in the BHET-depleted stream is monitored and, optionally, adjusted to below a predetermined limit value of the BHEET-mass fraction in the depolymerized product stream.



21: 2024/00323. 22: 2024/01/09. 43: 2025/02/11
51: A23J
71: Usarium Inc.
72: MANCHULIANTSAU, Aleh
33: US 31: 63/221,755 32: 2021-07-14
54: A METHOD FOR MANUFACTURING A FOOD PRODUCT FROM YEAST AND A YEAST BASED FOOD PRODUCT
00: -
A method for manufacturing a food product from yeast and a yeast based food product is provided. The method comprises thermo-mechanically processing a mixture comprising a liquid yeast and a secondary protein ingredient utilizing a temperature of at least 90 degrees Celsius and at an elevated pressure of at least 8 bar to form the food product. The mixture comprises a range of 40% to 80% of the liquid yeast based on the total weight of the mixture

and a ribonucleic acid content in the food product is less than 4% of the dry protein weight of the food product.

21: 2024/00369. 22: 2024/01/10. 43: 2025/02/11
51: C04B
71: Progressive Planet Solutions Inc.
72: HARPUR, Stephen, GRANT, Ian, MAH, Roger
33: US 31: 63/222,912 32: 2021-07-16
54: IMPROVED POZZOLAN AND METHODS OF MAKING AND USING SAME
00: -
A process for producing a pozzolan from a starting material. The starting material is size-reduced and incorporated into an aqueous slurry. The size-reduction can be carried out before or after incorporation into the aqueous slurry. Pressurized gas containing carbon dioxide is supplied to the aqueous slurry, and the aqueous slurry is mixed in the presence of the pressurized gas for a treatment period.



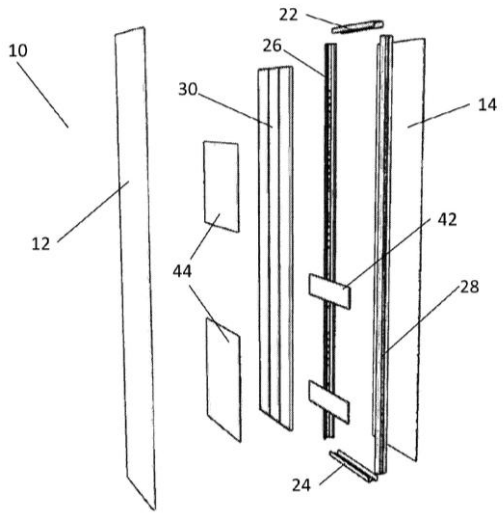
21: 2024/00416. 22: 2024/01/11. 43: 2025/02/11
51: B22C
71: Foseco International Limited
72: HAANAPPEL, Vincent, LINKE, Thomas
33: EP(GB) 31: 21184981.5 32: 2021-07-12
54: INORGANIC BINDER SYSTEM
00: -
A composition for making cores and a process for metal casting, the composition comprising: a particulate refractory material; an inorganic binder comprising at least one alkali metal silicate; a pozzolanic additive; and a lustrous carbon former.

The process includes forming a core from the composition and assembling a mould comprising the core, and supplying molten metal.

21: 2024/00519. 22: 2024/01/16. 43: 2025/02/12
51: A01N
71: Valent Biosciences LLC
72: DEVISETTY, Bala N.
33: US 31: 62/263,830 32: 2015-12-07
54: CONCENTRATED GIBBERELLIN SOLUTION FORMULATIONS
00: -
The present invention is directed to concentrated agricultural solution formulations comprising from about 5 to about 15 % wt/wt of at least one gibberellins selected from the group consisting of GA3, GA4, GA7 and GA4/7, from about 75 to about 90 % wt/wt of at least one solvent selected from the group consisting of polyethylene glycols with average molecular weights of from about 190 to about 420 daltons and C8 to C12 fatty acid dimethylamides, from about 0.1 to about 4 % wt/wt of a binder, and from about 0.1 to about 3 % wt/wt of a non-ionic surfactant. The invention is directed to methods for regulating plant growth comprising treating soil or a plant with an effective amount of the formulations of the present invention.

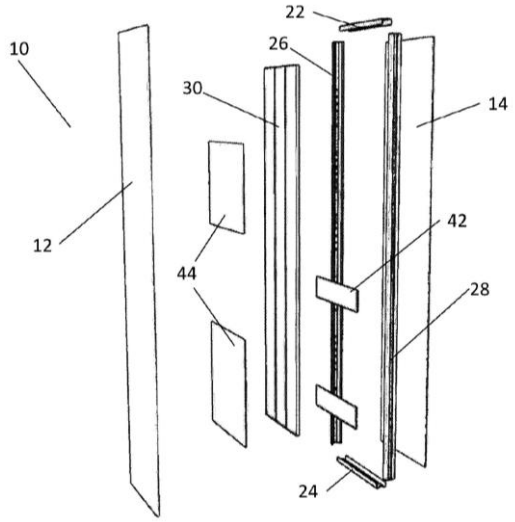
21: 2024/00544. 22: 2024/01/16. 43: 2025/02/11
51: A61K; A61P; C07D; C07K
71: Minghui Pharmaceutical (Hangzhou) Limited, Minghui Pharmaceutical (Shanghai) Limited
72: LI, Ao, CHEN, Yile, CAO, Guoqing
33: CN 31: 202110673571.1 32: 2021-06-17
54: ANTITUMOR COMPOUND AND USE THEREOF
00: -
An antitumor compound and the use thereof. Specifically, the present invention relates to a ligand conjugate or a tautomer, a mesomer, a racemate, an enantiomer and a diastereomer thereof, or a mixture thereof, or a pharmaceutically acceptable salt thereof. The present invention further relates to a method for preparing the ligand conjugate and the use thereof.

21: 2024/00691. 22: 2024/01/19. 43: 2025/02/11
51: E04B
71: Eekowall Limited
72: PLATT, Derek, REILLY, Michael
33: GB 31: 2109232.5 32: 2021-06-25
54: WALL PANEL
00: -
A prefabricated wall panel is described, said panel comprising: a rear board; a front board forming an internal face for a room, said front board spaced away from said rear board to form a cavity; and a first side stud and a second side stud, each side stud connected to the front and rear boards on opposing sides of the cavity; and a wireway disposed within the cavity, wherein the wireway runs substantially from a base of the wall panel to a top of the wall panel to allow services to pass through the panel, and wherein the wireway constrains cabling of the services therein; and wherein the first side stud comprises a male mating means and the second side stud comprises a female mating means such that the prefabricated wall panel can mate with an adjacent prefabricated wall panel to form a continuous internal wall surface.

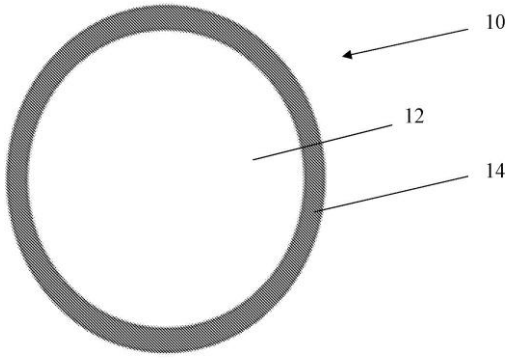


21: 2024/00692. 22: 2024/01/19. 43: 2025/02/11
51: E04B
71: Eekowall Unlimited
72: PLATT, Derek, REILLY, Michael
33: GB 31: 2109233.3 32: 2021-06-25
54: WALL PANEL
00: -
A system for forming a wall is described. In an embodiment, the panel comprises: one or more prefabricated wall panels each panel comprising: a rear board; a front board forming an internal face for a room, said front board spaced away from said rear

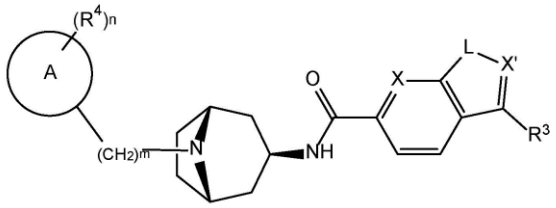
board to form a cavity; a first side stud and a second side stud, each side stud connected to the front and rear boards on opposing sides of the cavity; and a head track and a base track, each track connected to the front and rear board and the first and second side stud at a top and bottom of said boards and studs respectively; and wherein the first side stud comprises a male mating means and the second side stud comprises a female mating means such that the prefabricated wall panel can mate with an adjacent prefabricated wall panel to form a continuous internal wall surface.



21: 2024/00758. 22: 2024/01/22. 43: 2025/02/11
51: C05G
71: The Mosaic Company
72: LIGHT, Jerri, RICHARDS, Addison, SHULTZ, Murray
33: US 31: 63/214,244 32: 2021-06-23
54: INCORPORATION OF ALGINATE INTO FERTILIZER FOR QUALITY AND AGRONOMICAL BENEFITS
00: -
A fertilizer product and method of making that includes a base fertilizer material such as a NPK based fertilizer that also includes an alginate. The alginate may be crosslinked with a cross-linking agent such as a divalent cation to produce a hydrogel. The alginate may be incorporated into the fertilizer product in the form of a protective layer, co-granulation, embedded component, or combinations thereof. The fertilizer product may also include a hydrophobic component such as an oil or wax that is emulsified with the alginate.

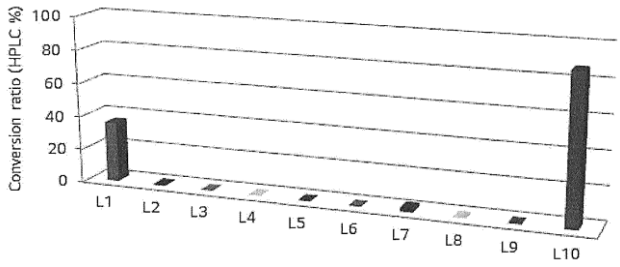


21: 2024/00760. 22: 2024/01/22. 43: 2025/02/11
51: A61K; A61P; C07D
71: Zoetis Services LLC
72: EWIN, Richard A., FENWICK, Ashley E., SUBRAMANIAN, Govindan
33: US 31: 63/225,775 32: 2021-07-26
54: SEROTONIN 5-HT2B INHIBITORY COMPOUNDS
00: -
The invention describes novel serotonin c5-HT2B receptor antagonists of Formula (1), and pharmaceutically acceptable salts thereof; wherein Ring A, L, X, X', R³, (1) R⁴, m and n are as defined herein. Also described are compositions comprising a Formula (1) compound, or a pharmaceutically acceptable salt thereof; and methods of using the compounds, or a pharmaceutically acceptable salt thereof, for the treatment of myxomatous mitral valve disease (MMVD), congestive heart failure (CHF) and/or asymptomatic heart failure in animals, preferably canine.



(1)

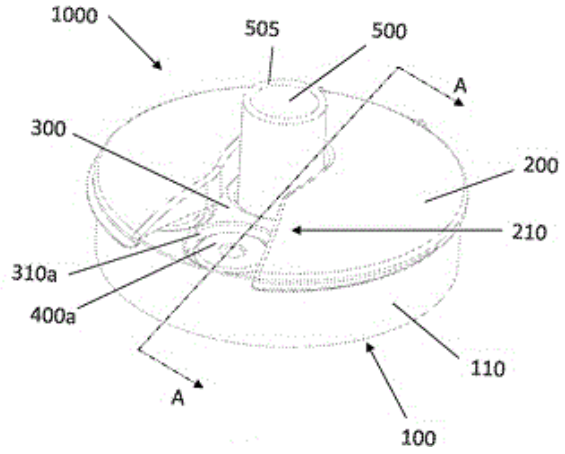
21: 2024/00816. 22: 2024/01/24. 43: 2025/02/14
51: C07D A61K
71: LG CHEM, LTD.
72: LEE, Seok Ju, PARK, Ah Byeol, LEE, Ju Yeol, KIM, Ki Dae, JEONG, Hui Rak
33: KR 31: 10-2021-0087042 32: 2021-07-02
54: METHOD FOR PREPARING INTERMEDIATE FOR SYNTHESIS OF XANTHINE OXIDASE INHIBITOR
00: -
The present invention relates to a method for preparing an intermediate for synthesis of a xanthine oxidase inhibitor and, more specifically, to a method for preparing compounds of chemical formulas 2 and 4 by using low-priced starting materials and ligands and employing chelating extraction and purification techniques.



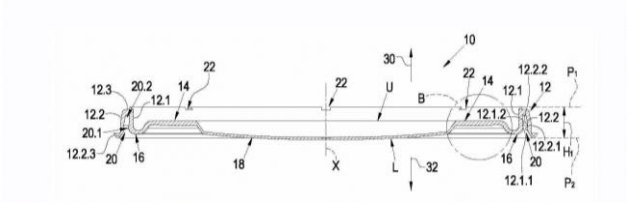
21: 2024/00818. 22: 2024/01/24. 43: 2025/02/14
51: C07D A61K
71: LG CHEM, LTD.
72: LEE, Seok Ju, JEONG, Hui Rak, HAM, Jin Ok, SHIN, Doo Sup
33: KR 31: 10-2021-0087049 32: 2021-07-02
54: METHOD FOR PREPARING XANTHINE OXIDASE INHIBITOR
00: -
The present invention relates to a method for preparing a xanthine oxidase inhibitor and, more specifically, to a method for preparing a compound of chemical formula 2 by using ester hydrolysis and a recrystallization method.

21: 2024/00851. 22: 2024/01/25. 43: 2025/02/11
51: A61K; A61P
71: Janssen Pharmaceutica NV
72: GOPAL, Srihari, VENKATASUBRAMANIAN, Raja, T'JOLLYN, Huybrecht
33: US 31: 63/119,382 32: 2020-11-30
54: DOSING REGIMENS ASSOCIATED WITH EXTENDED RELEASE PALIPERIDONE INJECTABLE FORMULATIONS
00: -
The present invention provides a method of treating patients with long acting injectable paliperidone palmitate formulations.

21: 2024/00856. 22: 2024/01/25. 43: 2025/02/14
51: B65D; A61J
71: SCRUB DADDY, INC.
72: O'BRIEN, JOHN EDWARD LEE, KRAUSE, AARON C, TITOVS, ALEKSANDRS, VACCARO, JOE M, VACCARO, SHEILA
33: US 31: 63/218,176 32: 2021-07-02
54: TABLET DISPENSING PRODUCT
00: -
A dispensing product for storing a plurality of cleaning product tablets and individually dispensing them on demand that has a carousel assembly, a base, a lid, and an advancement mechanism. The carousel assembly has a plurality of depressions sized and configured to receive tablets. The base is underneath the carousel assembly. The lid is on top of the carousel and contains an aperture sized and configured such that a tablet can be withdrawn through the aperture. The advancement mechanism is connected to the carousel assembly and advances the carousel assembly rotationally.



21: 2024/00899. 22: 2024/01/26. 43: 2025/02/17
51: B65D
71: SolvPac (Pty) Ltd
72: MARQUISS, Rory Vernon
33: ZA 31: 2023/01094 32: 2023-01-26
54: A LID FOR A CONTAINER AND PACKAGING
00: -
This invention relates to packaging comprising a container and a lid sealingly engageable with the container. The lid is arranged around a central axis and comprises a peripheral rim portion, a central portion, and a raised portion between the peripheral rim portion and the central portion. The rim portion has a groove for sealing engagement with an open end of the container. The central portion is concavely curved in a first condition and is displaceable to a second condition in which it is convex. The raised portion is connected to the rim portion via a valley portion, wherein the raised portion comprise a pair of side walls which are interconnected by a transverse plateau wall, wherein the transverse plateau wall is thicker adjacent the side wall closest to the central portion than it is adjacent the side wall furthest from the central portion.



21: 2024/00916. 22: 2024/01/26. 43: 2025/02/17
51: G21C
71: China Nuclear Power Engineering Co., Ltd.
72: ZHU, Siyang, HE, Kai, JIANG, Xiaochuan, DONG, Jianhua, ZHANG, Shuoting, ZHANG, Chenglong, YAO, Hong
33: CN 31: 202111026524.4 32: 2021-09-02
54: HOMOGENIZED COATED PARTICLE DISPERSION FUEL AND PREPARATION METHOD THEREFOR
00: -
A homogenized coated particle dispersion fuel and a preparation method therefor. The homogenized coated particle dispersion fuel comprises a matrix material, dressed TRISO coated fuel particles and a series of silicon carbide cylinder bodies (1). The radial uniform distribution of the TRISO coated fuel particles is achieved, the temperature gradient of the coated particle dispersion fuel during operation in a reactor is reduced, the risk of radioactive product release is reduced, and at the same time, the problem of inaccurate neutron physics and thermal hydraulic theory calculation of a gas-cooled microreactor is solved.

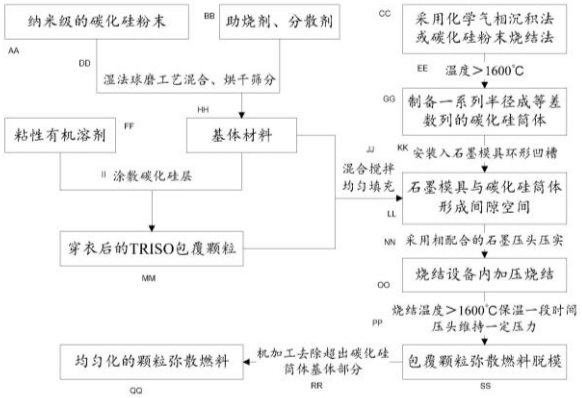


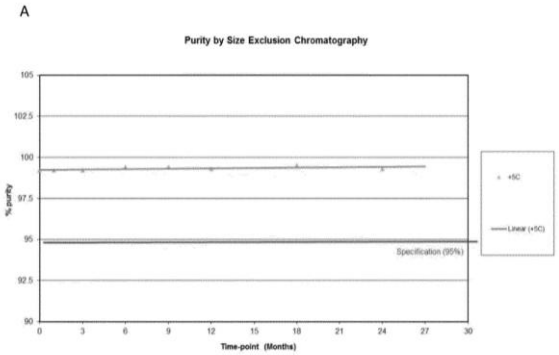
图 1

AA Nano-scale silicon carbide powder
BB Sintering aid and dispersion agent
CC Adopt a chemical vapor deposition method or a silicon carbide powder sintering method
DD Wet-ball milling process mixing, drying and sieving
EE Temperature>1600℃
FF Adhesive organic solvent
GG Matrix material
HH Prepare a series of arithmetic-progression silicon carbide cylinder bodies
II Coat silicon carbide layer
JJ Mix, stir and uniformly fill
KK Mount in an annular groove of a graphite mold
LL Form gap spaces between the graphite mold and the silicon carbide cylinder bodies
MM Dressed TRISO coated particles
NN Carry out compaction by means of matched graphite press heads
OO Carry out pressurized sintering inside sintering equipment
PP Preserve the temperature at a sintering temperature >1600℃ for a period of time, while the press heads maintain a certain pressure
QQ Homogenized particle dispersion fuel
RR Remove matrix parts from silicon carbide cylinder bodies by means of machining
SS Demold coated particle dispersion fuel

21: 2024/00920. 22: 2024/01/26. 43: 2025/02/11
51: A61K; A61P; C07K
71: Centro de Ingeniería Genética y Biotecnología
72: VALDÉS PRADO, Iris, GIL GONZALEZ, Lázaro, LAZO VÁZQUEZ, Laura, HERMIDA CRUZ, Lisset, GUILLEN NIETO, Gerardo Enrique, COBAS ACOSTA, Karem, ROMERO FERNÁNDEZ, Yaremis, BRUNO DARDER, Andy Jesús, SUZARTE PORTAL, Edith, PÉREZ FUENTES, Yusleidi de la Caridad
33: CU 31: 2021-0063 32: 2021-07-28
54: RECOMBINANT ANTIGEN FOR INDUCING AN IMMUNE RESPONSE AGAINST THE ZIKA VIRUS
00: -
The invention relates to a recombinant chimeric antigen comprising, in the polypeptide chain thereof, a polypeptide corresponding to amino acids 2 to 104 of the Zika virus capsid protein or a polypeptide with an amino acid sequence with at least 90% identity with said region of the capsid protein. The invention also relates to a vaccine composition comprising said recombinant chimeric antigen and a pharmaceutically acceptable vaccine adjuvant. The invention further relates to the use of the recombinant chimeric antigen, comprising, in the polypeptide chain thereof, a polypeptide corresponding to amino acids 2 to 104 of the Zika virus capsid protein or an amino acid sequence with at least 90% identity with said segment for the production of a drug for inducing an immune response against the Zika virus. The invention also discloses a method for inducing an immune response against the Zika virus, in which the recombinant chimeric antigen is administered.

21: 2024/00986. 22: 2024/01/30. 43: 2025/02/11
51: A61K
71: Immunocore Limited
72: JOHNSON, Andy, EBNER, Martin, GRUDZIEN, Lukasz
33: GB 31: 1900658.4 32: 2019-01-17
54: FORMULATIONS
00: -
The present invention relates to a pharmaceutical formulation comprising (i) a therapeutically effective amount of a bispecific protein comprising a soluble T cell receptor (TCR) and an scFV; and (ii) a surfactant. The w/w ratio of surfactant to protein is in the range of 0.75:1 to 1.5:1. The formulation may further comprise a bulking agent and/or a stabiliser.

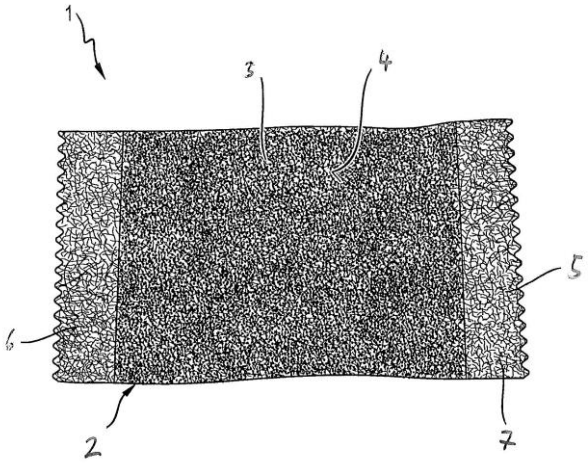
A further pharmaceutical formulation comprises (i) a therapeutically effective amount of a bispecific protein comprising a soluble T cell receptor (TCR) and an scFV; (ii) a bulking agent; and (iii) a stabiliser. The w/w ratio of stabiliser to bulking agent may be greater than 1:1.



21: 2024/01030. 22: 2024/01/31. 43: 2025/02/03
51: C12N C12P
71: CJ CHEILJEDANG CORPORATION
72: PARK, Hye Min, LEE, Peter, LEE, Dong Pil, KIM, Jae Eung
33: KR 31: 10-2021-0093034 32: 2021-07-15
54: NOVEL BETA-CAROTENE 15,15-OXYGENASE VARIANT AND RETINOID PRODUCTION METHOD USING SAME
00: -
The present application pertains to a novel beta-carotene 15,15'-oxygenase variant, a microorganism including the variant, a method for production of retinoid, using the microorganism, a composition for production of retinoid, and a use of the variant or microorganism for producing retinoid.

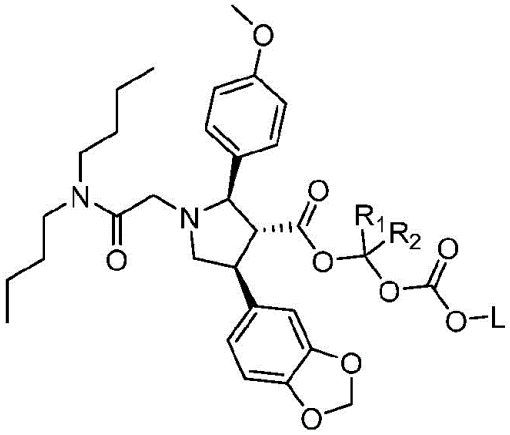
21: 2024/01043. 22: 2024/01/31. 43: 2025/02/07
51: A61K; A61P; C07K; C12N
71: Ningbo T-Maximum Biopharmaceuticals Co., Ltd.
72: SHANG, Xiaoyun, JIANG, Haijuan, WANG, Dan, LI, Jialu, MA, Shaowen, SHEN, Hui, MA, Li, CHEN, Weijie
33: CN 31: 202110749481.6 32: 2021-07-01
54: ANTIGEN-BINDING POLYPEPTIDE TARGETING B7H3 AND APPLICATION THEREOF
00: -
Provided is an antigen-binding polypeptide specifically binding to B7H3. The antigen-binding polypeptide contains at least one complementarity determining region (CDR) of an antibody heavy chain variable region (VH), wherein the VH contains the amino acid sequence represented by SEQ ID NO:25. Also provided are a chimeric antigen receptor containing the antigen-binding polypeptide, and a universal CAR-T cell containing the chimeric antigen receptor. TCR and HLA-A genes expressed by the cell are knocked out while a tumor cell surface antigen is recognized, thereby reducing the immune rejection caused by allogeneic CAR-T therapy, prolonging the cell survival time, and improving an anti-tumor effect.

21: 2024/01046. 22: 2024/01/31. 43: 2025/02/11
51: A24B; D04H
71: Pely-Tex GmbH & Co. KG
72: BASTIAN, Nikolas, ROETTGER, Henning
33: EP(DE) 31: 21183302.5 32: 2021-07-01
54: POUCH MADE OF A NONWOVEN, CONTAINING A TOBACCO MATERIAL AND/OR A DIFFERENT NICOTINE-CONTAINING MATERIAL
00: -
The invention relates to a pouch which is made of a nonwoven and contains a tobacco material and/or a different nicotine-containing material, wherein the nonwoven: in part comprises cellulose-based fibres; comprises a binder in part on the surface of the fibres; and comprises compacted zones and zones which are not compacted or which are compacted to a small degree; and the binder holds the compacted zones in the compacted state.



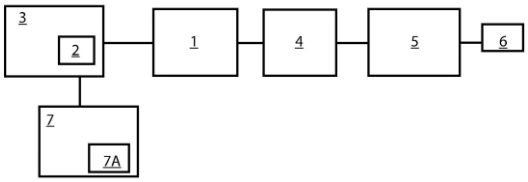
21: 2024/01047. 22: 2024/01/31. 43: 2025/02/11
51: A61K; A61P; C07D
71: Shenzhen Salubris Pharmaceuticals Co., Ltd.
72: WU, Junjun, LU, Yinsuo, XING, Wei, HU, Hao, XIAO, Ying

33: CN 31: 202111041046.4 32: 2021-09-03
54: ENDOTHELIN A (ETA) RECEPTOR ANTAGONIST COMPOUND, AND PREPARATION METHOD AND MEDICAL APPLICATIONS THEREOF
00: -
The present invention belongs to the technical field of chemical medicine, and provided are an endothelin A (ETA) receptor antagonist compound, a preparation method therefor and a medical use thereof.

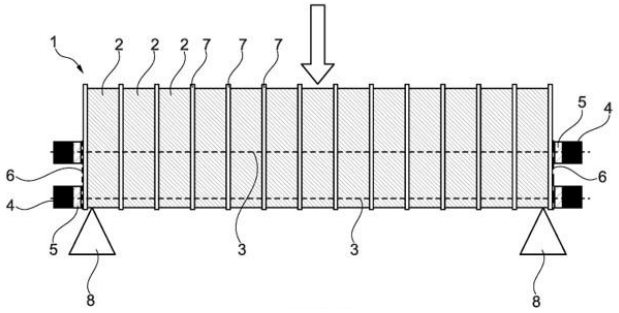


I

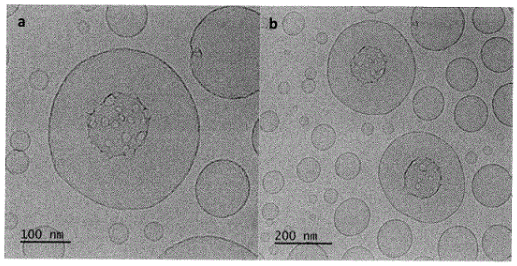
21: 2024/01140. 22: 2024/02/05. 43: 2025/02/11
51: A61B; A61L; A61M
71: Leonardo - Societa' Per Azioni
72: FELLA, Paolo, FAZIO, Eugenio
33: IT 31: 102021000018290 32: 2021-07-12
54: SYSTEM FOR GENERATING LIGHT RADIATION TO NEUTRALIZE MICROORGANISMS
00: -
The present invention relates to a system for generating light radiation to neutralize microorganisms. Said system comprises a light source (1) for emitting a light radiation, storage means (2) with one or more unique identification codes, each of which is associated with a respective microorganism, and at least one respective wavelength range associated with said microorganism, and a logic control unit (3). Said logic control unit (3) is configured to: o select a wavelength range based on the microorganism to be neutralized, o activate said light source (1) in such a way that the light radiation emitted by said light source (1) has a wavelength within said selected wavelength range, so that, when the system is in use, said light radiation induces an optical resonance in the microorganism, causing a denaturation of the genetic patrimony of said microorganism.



21: 2024/01262. 22: 2024/02/09. 43: 2025/03/27
51: E04C
71: SG SCHAUMGLAS GMBH & CO. KG
72: Walter FRANK
33: DE 31: 10 2021 121 595.1 32: 2021-08-19
54: COMPOSITE FOAM-GLASS ELEMENTS AND THEIR APPLICATION
00: -
The present invention relates to a composite foam-glass element, and in particular to a composite foam-glass-panel element, having at least one, and preferably a plurality of foam-glass bodies (2;12;22;32;42,42a,42b,42c,42d;52,52a,52b,52c;62,62a,62b,62c,62d;72;82;92;102;112;122;132;142;152;162;172;192;212;222;242;252;282282a;292,292a;302,302a), and at least one reinforcing element (3,4,5,6,9;19;23,24,25;33,34,35,36;43,44,46,50;54,56,60;66,69,70;73,74,75,76,77,78,79;83,85,86,87,88;93,94,95,96;103,106,109;113;123;133;143,145,146,148,149;153,154,155,156,157;163,164,165,166,168,169;173,174,175,176,177,178,179,180;193,194,195,196,197;203,204,205,206,207;213,214,215,216;223,224,225,226;246,249;253), which is arranged such that the one or more foam-glass bodies is or are subjected to compressive stressing, at least along one direction, by the at least one reinforcing element and/or two or more foam-glass bodies are connected to one another by the at least one reinforcing element, and also relates to constructions made thereof and to methods for producing the same and the application thereof.

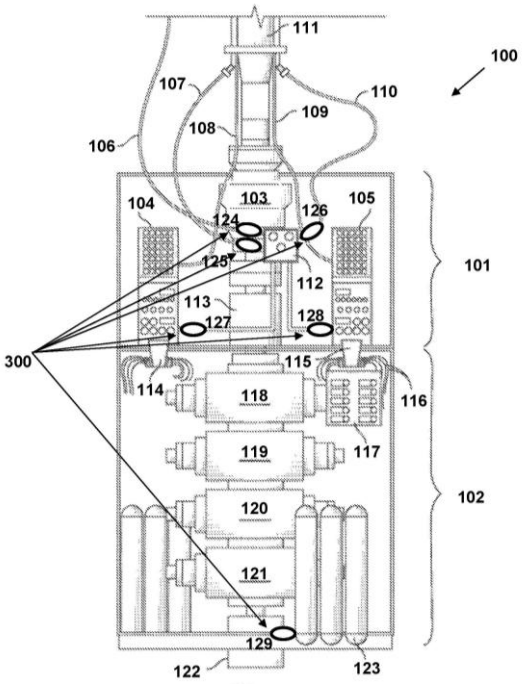


21: 2024/01363. 22: 2024/02/14. 43: 2025/02/14
51: A61K
71: UNI-PHARMA KLEON TSETIS PHARMACEUTICAL LABORATORIES S.A.
72: DEMETZOS, Constantinos, PISPAS, Asterios, CHOUNTOULESI, Maria
33: GR 31: 20210100567 32: 2021-08-23
33: GR 31: 20220100481 32: 2022-06-08
33: GR 31: 20220100584 32: 2022-07-21
54: LYOTROPIC LIQUID CRYSTALLINE NANOSYSTEMS WITH ENCAPSULATED BIOACTIVE MACROMOLECULES
00: -
The invention relates to compositions of physicochemically stable colloid systems in the form of lyotropic liquid crystals, comprising glycerol monooleate, a salt of C6-C12 fatty acid or its derivative with an aromatic substituent, an amphiphilic block copolymer with the chemical formula $H(OCH_2CH_2)_a(OCH(CH_3)\ CH_2)_b(OCH_2CH_2)_a$ OH, wherein 2≤a≤150 and 15≤b≤70, and a bioactive macromolecule having peptide bonds.

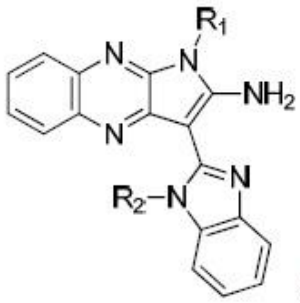


21: 2024/01526. 22: 2024/02/21. 43: 2025/02/11
51: A61K; A61P; C07D
71: Ecole Polytechnique Federale de Lausanne (EPFL)
72: STEWART, Cole, MAKAROV, Vadim Albertovich
33: EP(CH) 31: 15160267.9 32: 2015-03-23
54: 2-HOMOPIPERAZINE-1-YL-4H-1,3-BENZOTHIAZINE-4-ONE DERIVATIVES AND PROCESS FOR THE PREPARATION OF 2-(HOMO)PIPERAZINE 1,3-BENZOTHIAZINE-4-ONE HYDROCHLORIDES
00: -
2-homopiperazine-1-yl-4*H*-l, 3 -bensothiazine-4-one derivatives of formula (I) are provided. They are useful in the treatment of bacterial infections, in particular tuberculosis, buruli ulcer and leprosy. A process for the preparation of 2-(homo)piperazine 1, 3-benzothiazine-4-one hydrochlorides is also provided.

21: 2024/01544. 22: 2024/02/21. 43: 2025/02/14
51: E21B
71: Hydril USA Distribution LLC
72: MCAULEY, Alexander, NGUYEN, Thuc Ngoc, LEON, Claudia, WOODRUFF-HALL, Alexander
33: US 31: 17/468,077 32: 2021-09-07
54: AUTOMATIC CHOKING HYDRAULIC SHOCK REDUCTION VALVE
00: -
A valve for preventing hydraulic shock and water hammer in downstream equipment, the valve including a valve body with an internal oil dampening chamber, an orifice arranged within the oil dampening chamber, a flow dampener positioned between the valve inlet and the orifice, and a spring between the valve body and the orifice. The valve is pressure compensated based on the ambient fluid pressure.

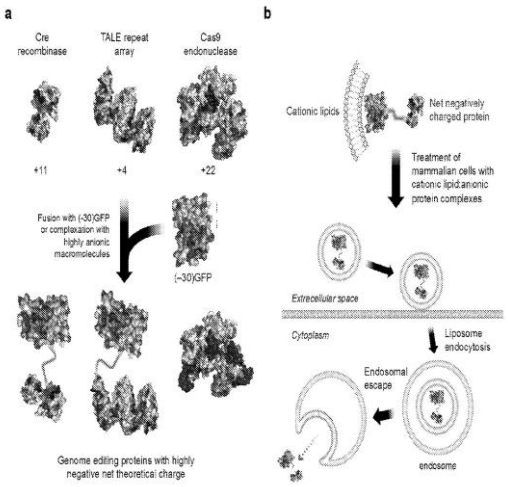


21: 2024/01639. 22: 2024/02/26. 43: 2025/02/27
51: A61K; A61P
71: UNIVERSITY OF CAPE TOWN
72: LEANER, Virna Drucille, VAN DER WATT, Pauline Janet, CHI, Ru-pin Alicia
54: SMALL MOLECULE INHIBITORS FOR ANTI-CANCER COMBINATION THERAPY
00: -
A combination for use in treating cancer is provided. The combination comprises a therapeutically effective amount of a quinoxaline derivative of Formula I which inhibits nuclear import protein, Kpnß1, and a therapeutically effective amount of at least one platinum-based chemotherapeutic agent. The combination therapy provides an enhanced anti-cancer therapeutic effect compared to the effect of the compound of Formula I and the at least one platinum-based chemotherapeutic agent administered alone.

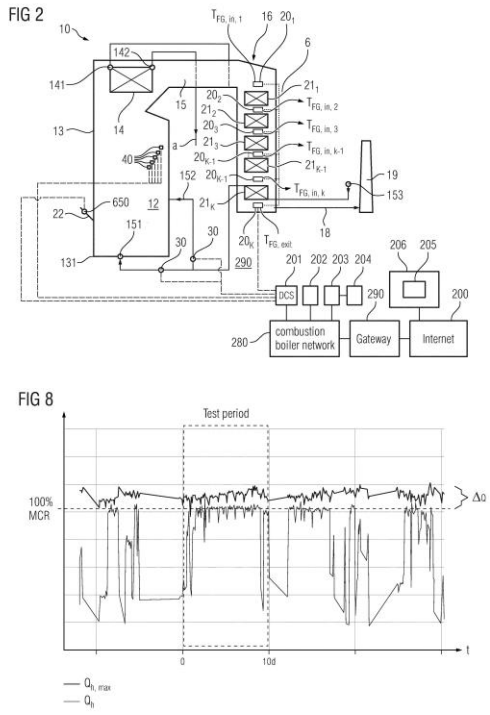


Formula I

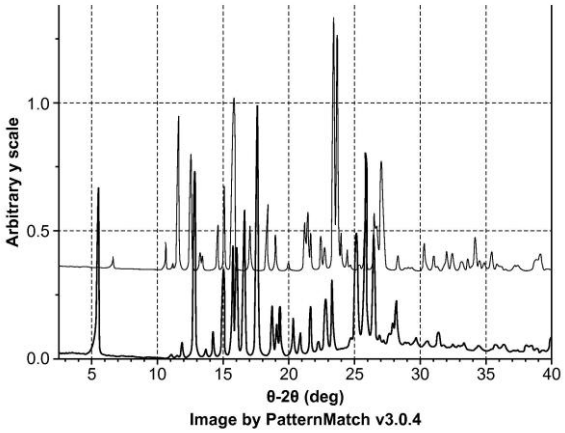
21: 2024/01665. 22: 2024/02/27. 43: 2025/02/11
51: C07K
71: President and Fellows of Harvard College
72: LIU, David R., ZURIS, John Anthony, THOMPSON, David B.
33: US 31: 61/874,746 32: 2013-09-06
54: DELIVERY SYSTEM FOR FUNCTIONAL NUCLEASES
00: -
Compositions, methods, strategies, kits, and systems for the supercharged protein- mediated delivery of functional effector proteins into cells in vivo, ex vivo, or in vitro are provided. Compositions, methods, strategies, kits, and systems for delivery of functional effector proteins using cationic lipids and cationic polymers are also provided. Functional effector proteins include, without limitation, transcriptional modulators (e.g., repressors or activators), recombinases, nucleases (e.g., RNA-programmable nucleases, such as Cas9 proteins; TALE nuclease, and zinc finger nucleases), deaminases, and other gene modifying/editing enzymes. Functional effector proteins include TALE effector proteins, e.g., TALE transcriptional activators and repressors, as well as TALE nucleases. Compositions, methods, strategies, and systems for the delivery of functional effector proteins into cells is useful for therapeutic and research purposes, including, but not limited to, the targeted manipulation of a gene associated with disease, the modulation of the expression level of a gene associated with disease, and the programming of cell fate.



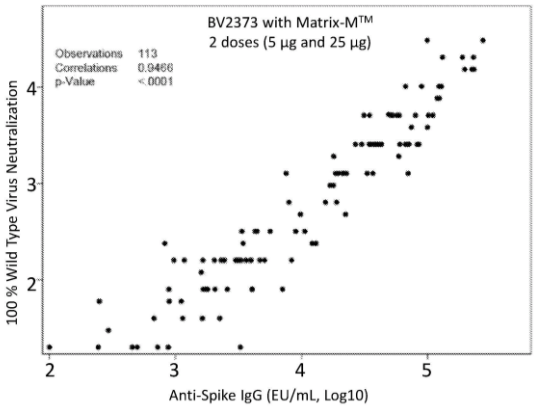
21: 2024/01678. 22: 2024/02/27. 43: 2025/02/14
51: F22B; F23C; F23N
71: Sumitomo SHI FW Energia Oy
72: KETTUNEN, Ari, MIETTINEN, Jouni
54: COMBUSTION BOILER CONTROL METHOD, COMBUSTION BOILER AND BOILER COMPUTATION SYSTEM
00: -
To improve boiler control, a combustion boiler control method is suggested, comprising the steps of: a) monitoring the current load (Qh) of a combustion boiler; b) finding such a numerical value (Qh, candidate) for a current computational maximum boiler momentary load (Qh, max) for which at least one flue gas factor (dfi) computed using currently monitored process data with a numerical model of the boiler fulfills an acceptance condition, and selecting the numerical value (Qh, candidate) as the current computational maximum boiler momentary load (Qh,max); c) indicating the current computational maximum boiler momentary load (Qh,max) to the operator and/or, if the current load (Qh) is c1) smaller than the current computational maximum boiler momentary load (Qh,max): c1i) indicating the boiler operator that the boiler load (Qh) may be increased, and/or c1ii) automatically increasing the boiler load (Qh), and/or c2) larger than the current computational maximum boiler momentary load (Qh,max): c2i) indicating the boiler operator that the boiler load (Qh) exceeds the current computational maximum boiler momentary load, and/or c2ii) automatically reducing the boiler load (Qh).



21: 2024/01707. 22: 2024/02/28. 43: 2025/02/12
51: A61K
71: Global Blood Therapeutics, Inc.
72: LI, Zhe, PARENT, Stephan D., HOUSTON, Travis
33: US 31: 61/937,404 32: 2014-02-07
33: US 31: 61/937,393 32: 2014-02-07
54: CRYSTALLINE POLYMORPHS OF THE FREE BASE OF 2-HYDROXY-6-((2-(1-ISOPROPYL-1H-PYRAZOL-5-YL)PYRIDIN-3-YL)METHOXY)BENZALDEHYDE
00: -
Disclosed are crystalline free base ansolvate forms of 2-hydroxy-6-((2-(1-isopropyl-1H-pyrazol-5-yl)pyridin-3-yl)methoxy)benzaldehyde (or Compound 1), such as the free base Form I, Form II and Material N. Also disclosed are crystalline free base solvates of 2-hydroxy-6-((2-(1-isopropyl-1H-pyrazol-5-yl)pyridin-3-yl)methoxy)benzaldehyde (or Compound 1).



21: 2024/01922. 22: 2024/03/07. 43: 2025/02/11
51: A61K; C07K
71: Novavax, Inc.
72: SMITH, Gale, MASSARE, Michael J., TIAN, Jing-Hui
33: US 31: 62/966,271 32: 2020-01-27
54: CORONAVIRUS VACCINE FORMULATIONS
00: -
Disclosed herein are coronavirus Spike (S) proteins and nanoparticles comprising the same, which are suitable for use in vaccines. The nanoparticles present antigens from pathogens surrounded to and associated with a detergent core resulting in enhanced stability and good immunogenicity. Dosages, formulations, and methods for preparing the vaccines and nanoparticles are also disclosed.



21: 2024/01955. 22: 2024/03/08. 43: 2025/03/17
51: H01R
71: BRUIN BIOMETRICS, LLC
72: BURNS, Martin, F., CAMPBELL, Bill, GIUNTOLI, David, M., RAPTIS, Mark, ROSS, Graham, O.
33: US 31: 62/744,513 32: 2018-10-11
33: US 31: 62/804,095 32: 2019-02-11
54: DEVICE WITH DISPOSABLE ELEMENT
00: -
The construction of a medical device having a disposable element is disclosed. Detachable elements comprising a body having a retention feature, an electrical contactor, and sensors are also disclosed. Further disclosed are detachable elements comprising a body having a hole and a retention pocket, an electrical contactor, and a printed circuit board assembly (PCB) in contact with the innermost surface of the body that forms the retention pocket. Further disclosed are detachable elements comprising a body having an opening and a printed film comprising conductive elements, where the conductive elements comprise a sensor configured to be aligned with the opening to expose the sensor. Further disclosed are reusable components having matching retention features. update

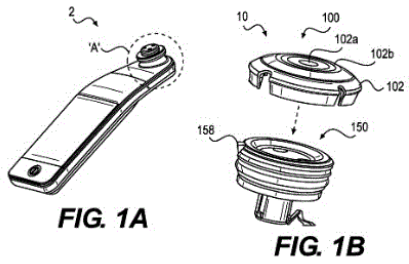


FIG. 1A FIG. 1B

21: 2024/01956. 22: 2024/03/08. 43: 2025/03/17
51: H01R
71: BRUIN BIOMETRICS, LLC
72: BURNS, Martin, F., CAMPBELL, Bill, GIUNTOLI, David, M., RAPTIS, Mark, ROSS, Graham, O.
33: US 31: 62/744,513 32: 2018-10-11
33: US 31: 62/804,095 32: 2019-02-11
54: DEVICE WITH DISPOSABLE ELEMENT
00: -
The construction of a medical device having a disposable element is disclosed. Detachable elements comprising a body having a retention feature, an electrical contactor, and sensors are also disclosed. Further disclosed are detachable elements comprising a body having a hole and a retention pocket, an electrical contactor, and a printed circuit board assembly (PCB) in contact with the innermost surface of the body that forms the retention pocket. Further disclosed are detachable elements comprising a body having an opening and

a printed film comprising conductive elements, where the conductive elements comprise a sensor configured to be aligned with the opening to expose the sensor. Further disclosed are reusable components having matching retention features. update

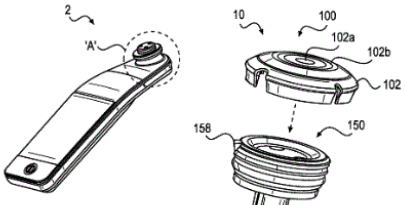


FIG. 1A FIG. 1B

21: 2024/01957. 22: 2024/03/08. 43: 2025/03/17
51: H01R
71: BRUIN BIOMETRICS, LLC
72: BURNS, Martin, F., CAMPBELL, Bill, GIUNTOLI, David, M., RAPTIS, Mark, ROSS, Graham, O.
33: US 31: 62/744,513 32: 2018-10-11
33: US 31: 62/804,095 32: 2019-02-11
54: DEVICE WITH DISPOSABLE ELEMENT
00: -
The construction of a medical device having a disposable element is disclosed. Detachable elements comprising a body having a retention feature, an electrical contactor, and sensors are also disclosed. Further disclosed are detachable elements comprising a body having a hole and a retention pocket, an electrical contactor, and a printed circuit board assembly (PCB) in contact with the innermost surface of the body that forms the retention pocket. Further disclosed are detachable elements comprising a body having an opening and a printed film comprising conductive elements, where the conductive elements comprise a sensor configured to be aligned with the opening to expose the sensor. Further disclosed are reusable components having matching retention features. update

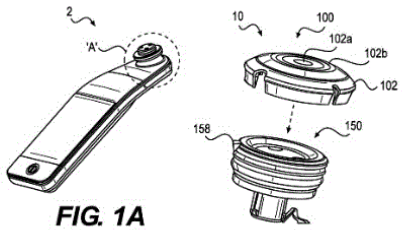
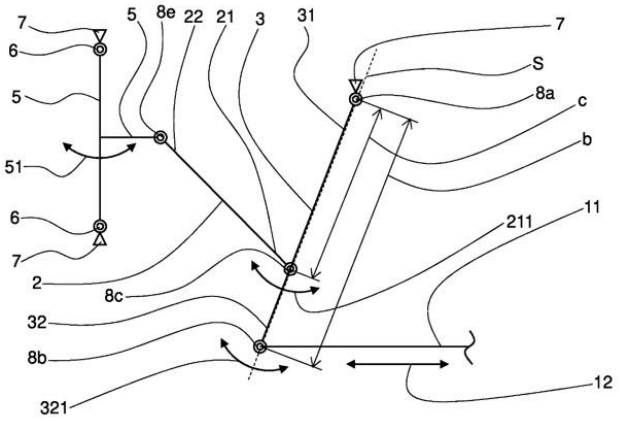


FIG. 1A FIG. 1B

21: 2024/02005. 22: 2024/03/11. 43: 2025/03/18
51: B60G; B62D
71: TECHNICKA UNIVERZITA V LIBERCI
72: Jakub JEZEK, Martin KOLOMAZNIK, Robert VOZENILEK
54: A VEHICLE WHEEL STEERING MECHANISM AND A METHOD OF OPTIMIZING THE VEHICLE WHEEL STEERING MECHANISM
00: -
The invention relates to a vehicle wheel steering mechanism which comprises a linear actuator (1), which contains a sliding rod (11) which is provided with two opposite ends, wherein the sliding rod (11) is connected at each end to one transfer lever (3) and each transfer lever (3) being connected to a connecting rod (2), which is connected with a wheel hub carrier (5) of a respective wheel of the vehicle, wherein both transfer levers (3) are rotatably mounted in the vehicle frame (7). The transfer levers (3) each are rotatably mounted in the vehicle frame (7) by one end (31), wherein the transfer levers (3) each are by second end (32) rotatably coupled to the respective end of the sliding rod (11) of the linear steering actuator (1) and the transfer levers (3) are between both its ends (31, 32) rotatably connected to the respective connecting rod (2).. In addition, the invention relates to a method of optimizing the vehicle wheel steering mechanism.



21: 2024/02031. 22: 2024/03/12. 43: 2025/03/18
51: B01J; C01B; F02B
71: TI-HOLDINGS B.V.
72: Rudolf KOEKKOEK, Terence VECHIK
33: AU 31: 2021107333 32: 2021-08-25
33: AU 31: 2021229172 32: 2021-08-25
54: THERMAL INVERTER BOX
00: -
The invention relates to a thermal converter (1, 2) for generating from a parent compound a first fluid of first molecules (H2) with a first molecular weight and a second fluid of second molecules (O2) with a second molecular weight, whereby the first molecular weight of the first molecules (H2) is less than the second molecular weight of the second molecules (O2). In order to improve the efficiency of the thermal converter, the thermal converter comprises a spray device (18) for generating from the parent compound in fluid form a spray, which is supplied to a reaction device (1) for splitting the parent compound into a mixture compound of the first molecules (H2) and the second molecules (O2).

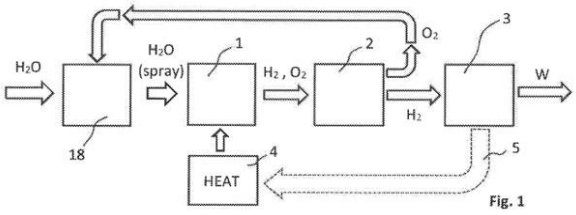


Fig. 1

21: 2024/02147. 22: 2024/03/18. 43: 2025/03/31
51: B32B; C21D; C22C; C23C
71: ARCELORMITTAL
72: Tom WATERSCHOOT, Arunim RAY, Rénald DAVID
54: COLD ROLLED AND HEAT TREATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF
00: -
A cold rolled and heat treated steel sheet having a composition comprising of the following elements, 0.05%≤Carbon≤0.12%, 1.0%≤Manganese≤2%, 0.01 %≤Silicon≤0.5%, 0.01 %≤Aluminum≤0.1 %, 0.01 %≤Niobium≤0.1 %, 0%≤Phosphorus≤0.09%, 0%≤Sulfur≤0.09%, 0%≤Nitrogen≤0.09%, 0.1 %≤Chromium ≤ 0.5 %, 0 % < Nickel < 3%, 0 % ≤ Titanium < 0.1 %, 0 % ≤ Calcium ≤ 0.005%, 0 % ≤ Copper ≤ 2%, 0 % ≤ Molybdenum ≤ 0. 5%,0 % < Vanadium < 0.1%, 0 % ≤ Boron ≤ 0.003%,0 % ≤ Cerium ≤ 0.1 %,0 % ≤ Magnesium ≤ 0.010%,0 % ≤ Zirconium ≤ 0.010% the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet comprising in area fraction, 50 to 90% Recrystallized ferrite, 10 to 50% non-recrystallized ferrite, 0% to 15% Cementite and 0.5% to 2% Carbides of Niobium, wherein the cumulated amount of Recrystallized ferrite and Non-recrystallized ferrite is at least 85%.

21: 2024/02224. 22: 2024/03/19. 43: 2025/03/31
51: B32B; C21D; C22C; C23C
71: ARCELORMITTAL
72: Damon PANAHI, Hyojin SONG, Venkata Sai Ananth CHALLA, Brian LIN
54: COLD ROLLED AND HEAT TREATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF
00: -
The invention deals with a cold rolled and heat treated steel sheet comprising in weight percent: 0.2 % ≦ C ≦ 0.35 %; 0.5 % ≦ Mn ≦ 1.5 %; 0.1% ≦ Si ≦ 0.6 %; 0% ≦ Al ≦ 0.1 %; 0.01% ≦ Ti ≦ 0.1%; 0.0001% ≦ B ≦ 0.010%; 0% ≦ P ≦ 0.02%; 0% ≦ S ≦ 0.03%; 0% ≦ N ≦ 0.09% and can contain optional elements, the microstructure of said steel comprising, by area percentage, at least 80% of tempered martensite, 3 to 15% Bainite,1% to 7% Martensite, 0 to 12% of Ferrite and 0 to 2% Residual Austenite.

21: 2024/02327. 22: 2024/03/22. 43: 2025/02/12
51: E02B; F03B; F03D
71: Wave Swell Energy Limited
72: DENNISS, Thomas
33: AU 31: 2016904200 32: 2016-10-17
54: APPARATUS AND METHOD FOR EXTRACTING ENERGY FROM A FLUID
00: -
An apparatus and method is disclosed for extracting energy from an oscillating working fluid, such as ocean waves. The apparatus (10) comprises an internal flow passage (40) for the working fluid, a

turbine (44) and a flow control device (38), each of the turbine (44) and the flow control device (38) being in direct fluid communication with the flow passage (40), wherein in use the flow control device (38) is selectively moveable between a first configuration in which the flow control device (38) is open to allow a flow of the working fluid, such as air, to exit the flow passage (40) therethrough, and a second configuration in which the flow control device (38) restricts a flow of the working fluid therethrough. In such an instance, the working fluid then must enter the flow passage (40) via the turbine (44), which can be harnessed to generate electricity.

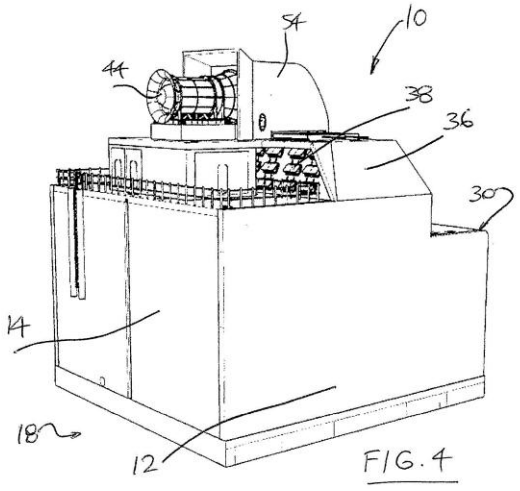


FIG. 4

21: 2024/02543. 22: 2024/04/02. 43: 2025/04/04
51: E05G; E06B
71: ITA SECURITY PRODUCTS AND SERVICES COMPANY (PTY) LTD
72: LUYT, BENJAMIN
33: ZA 31: 2023/01757 32: 2023-02-06
54: A BLAST RESISTANT CAGE
00: -
A blast resistant cage includes a plurality of horizontal members spaced apart from one another and a plurality of vertical members connected to the horizontal members. The vertical members are spaced apart from one another and form a front, back and two sides of the blast resistant cage. A plurality of top members are connected to an uppermost horizontal member forming a top of the blast cage. The blast cage surrounds an internal space in which a safe will be located in use. A cage door is movable between an open position in which access to a safe located inside the internal space can be obtained and a closed position in which access to a safe located inside the internal space cannot be obtained and a locking mechanism is used to lock the cage door in the closed position.

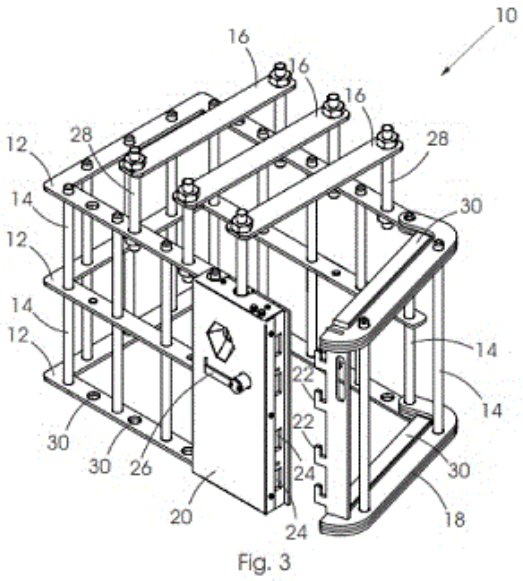
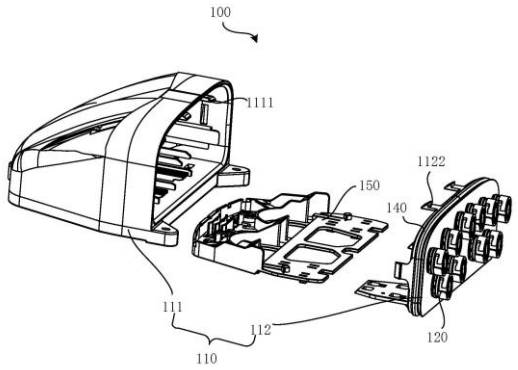


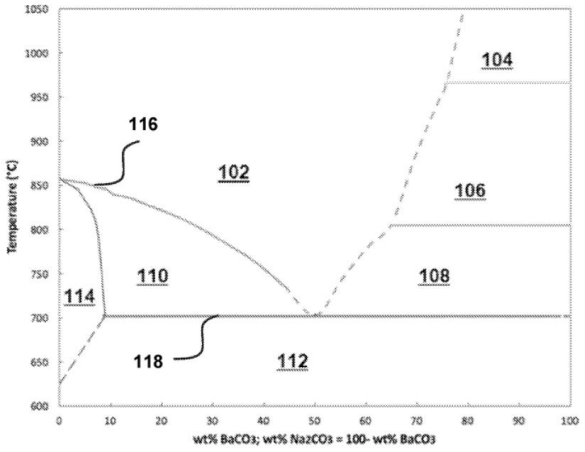
Fig. 3

21: 2024/02559. 22: 2024/04/02. 43: 2025/02/04
51: G02B
71: Huawei Technologies Co., Ltd.
72: MA, Zhigang, CHENG, Jian, HE, Boyong
33: CN 31: 202111178189.X 32: 2021-10-09
54: CLOSURE
00: -
Provided in the embodiments of the present application is a connection box. The connection box comprises a shell and adaptor elements. The adaptor elements each comprise a sleeve, and a first connecting portion and a second connecting portion, which are internally in communication with each other. The first connecting portion is located inside the shell, and the second connecting portion is located outside the shell. One end of the sleeve is located in the first connecting portion, and the other end of the sleeve is located in the second connecting portion. The first connecting portion is used to connect to a first connector, which is arranged in the shell, the second connecting portion is used to connect to a second connector, which is outside the shell, and the shell, the first connecting portion and the second connecting portion serve as a whole and form an integrated structure. The connection box provided in the embodiments of the

present application can simplify product structures, greatly reduce material costs and assembly expenses, and can avoid the problem of product reliability caused by assembling an adapter.



21: 2024/02624. 22: 2024/04/04. 43: 2025/03/05
51: C01B; C25B
71: C2CNT LLC
72: LICHT, Stuart, LICHT, Gad
33: US 31: 63/250,662 32: 2021-09-30
54: METHOD AND APPARATUS FOR MAKING CARBON NANOMATERIALS AND METHODS USING LITHIUM-FREE ELECTROLYTES
00: -
The embodiments of the present disclosure relate to a method and apparatus for producing a CNM product that may comprise carbon nanotubes (CNTs). The method and apparatus employ carbon dioxide (CO_2) and a carbonate electrolyte that is lithium-free as reactants in an electrolysis reaction in order to make CNTs. In some embodiments of the present disclosure, a graphene-defect agent may be introduced into the electrolysis reaction.



21: 2024/02955. 22: 2024/04/17. 43: 2025/04/02
51: H03M; G16B
71: ILLUMINA, INC.
72: RIZK, Guillaume Alexandre Pascal
33: US 31: 63/110,308 32: 2020-11-05
54: QUALITY SCORE COMPRESSION
00: -
Methods, systems, and computer programs for compressing nucleic acid sequence data. A method can include obtaining nucleic acid sequence data representing: (i) a read sequence, and (ii) a plurality of quality scores, determining whether the read sequence includes at least one N base, based on a determination that the read sequence does not include at least one N base, generating a first encoded data set by using a first encoding process to encode each of the quality scores of the read sequence using a base-(x minus 1) number, where x is an integer representing a number of different quality scores used by the nucleic acid sequencing device, and using a second encoding process to encode the first encoded data set, thereby compressing the data to be compressed.

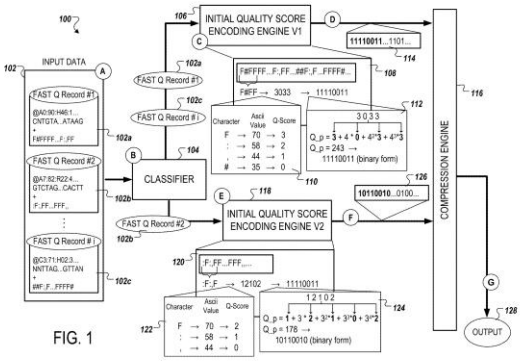
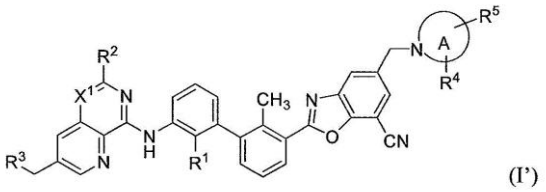


FIG. 1

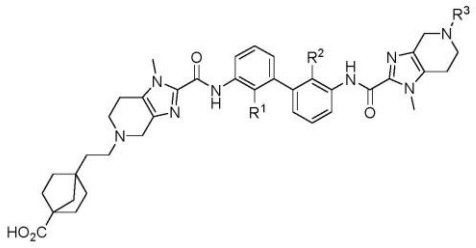
21: 2024/03303. 22: 2024/04/29. 43: 2025/03/28
51: A23L
71: CHINA TOBACCO SICHUAN INDUSTRIAL CO., LTD.
72: Zhen YANG, Lulu LIU, Yuhong JIA, Jiabao ZHANG, Quanwei ZHOU, Zhongrong JIANG, Dongliang Li, Jinshan LEI, Yiqun WANG
33: CN 31: 2024100632503 32: 2024-01-17
54: AN ULTRASONIC EXTRACTION METHOD FOR THE PREPARATION OF LICORICE EXTRACT TO ASSIST THE FERMENTATION OF CIGAR TOBACCO LEAVES
00: -
The present invention discloses an ultrasonic extraction method for the preparation of licorice extract to assist the fermentation of cigar tobacco leaves, and belongs to the technical field of cigar

tobacco. The method consists of the following steps: (1) Dry and pulverize licorice and sieve it to obtain licorice powder. Licorice powder is subjected to ultrasonic extraction by ethanol-water solution, filtration once after the completion of extraction, and secondary extraction of the obtained filtrate, combining the filtrate. Rotary evaporation under reduced pressure removes the ethanol in the filtrate, and then obtains licorice extract. (2) The licorice extract obtained from step (1) is mixed with water to obtain a licorice extract medium solution. (3) The licorice extract media solution obtained in step (2) is uniformly sprayed on the surface of the cigar tobacco leaves, after which the cigar tobacco leaves are put into sacks and placed in a constant temperature and humidity incubator for fermentation. (4) At the end of fermentation, remove the fermented cigar tobacco for moisture balance. The cigar tobacco leaves treated with the method provided by the present invention have improved aroma transmittance, increased smoke concentration, weakened offensive taste, improved overall maturity, and better smoke texture, which effectively improves the smoking quality of the cigar tobacco leaves.

21: 2024/03923. 22: 2024/05/21. 43: 2025/02/12
51: A61K; A61P; C07D
71: Incyte Corporation
72: WU, Liangxing, LI, Jingwei, YAO, Wenqing
33: US 31: 62/650,821 32: 2018-03-30
54: HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS
00: -
Disclosed are compounds of Formula (I'), methods of using the compounds as immunomodulators, and pharmaceutical compositions comprising such compounds. The compounds are useful in treating, preventing or ameliorating diseases or disorders such as cancer or infections.


(I')

21: 2024/03924. 22: 2024/05/21. 43: 2025/02/12
51: A61K; A61P; C07D
71: Incyte Corporation
72: WU, Liangxing, XIAO, Kaijiong, YAO, Wenqing
33: US 31: 62/670,249 32: 2018-05-11
54: TETRAHYDRO-IMIDAZO[4,5-C]PYRIDINE DERIVATIVES AS PD-L1 IMMUNOMODULATORS
00: -
Disclosed are compounds of Formula (I), methods of using the compounds as immunomodulators, and pharmaceutical compositions comprising such compounds. The compounds are useful in treating, preventing or ameliorating diseases or disorders such as cancer or infections.


(I)

21: 2024/03967. 22: 2024/05/22. 43: 2025/02/11
51: G01C; G06Q
71: Polaris Industries Inc.
72: FREED, Erik S.
33: US 31: 15/267,942 32: 2016-09-16
54: DEVICE AND METHOD FOR IMPROVING ROUTE PLANNING COMPUTING DEVICES
00: -
A route generator (80) and method of operating the same including; calculating route traversal values for a plurality of blocks (210, 410) in a first group simultaneously, each block (210, 410) including a plurality of cells (220), traversal values being values that consider terrain movement cost data and data indicating progress towards a route endpoint on a per-cell basis, wherein the plurality of blocks (210, 410) are chosen such that the blocks (210, 410) in the first group fail to share any edges with other blocks (210, 410) in the first group.

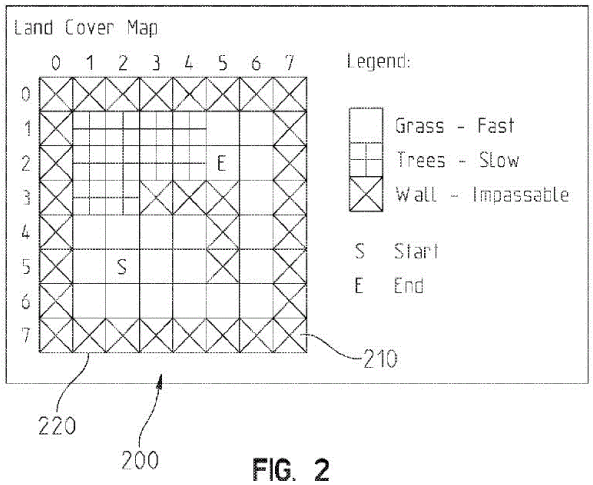


FIG. 2

21: 2024/03968. 22: 2024/05/22. 43: 2025/02/11
51: G01C; G06Q
71: Polaris Industries Inc.
72: FREED, Erik S.
33: US 31: 15/267,942 32: 2016-09-16
54: DEVICE AND METHOD FOR IMPROVING ROUTE PLANNING COMPUTING DEVICES
00: -
A route generator (80) and method of operating the same including; calculating route traversal values for a plurality of blocks (210, 410) in a first group simultaneously, each block (210, 410) including a plurality of cells (220), traversal values being values that consider terrain movement cost data and data indicating progress towards a route endpoint on a per-cell basis, wherein the plurality of blocks (210, 410) are chosen such that the blocks (210, 410) in the first group fail to share any edges with other blocks (210, 410) in the first group.

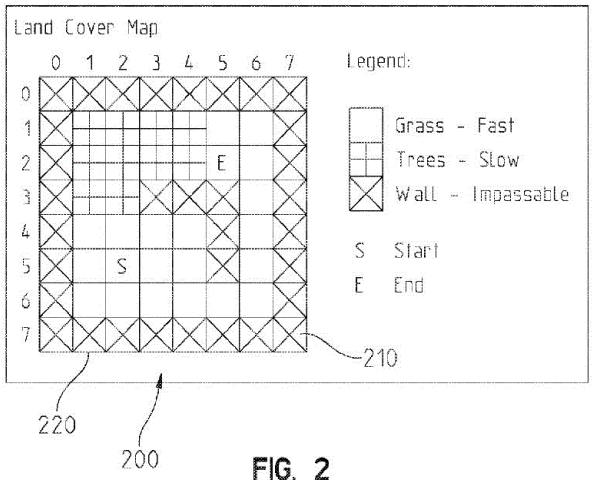
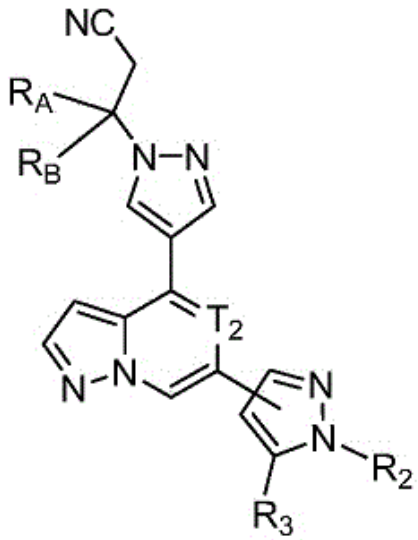


FIG. 2

21: 2024/04522. 22: 2024/06/11. 43: 2025/02/19
51: C07D; A61K; A61P
71: SOTER BIOPHARMA PTE. LTD.
72: WEI, CHANGQING, GUO, QIANG, WANG, CONG, YUE, BAO, QIAN, WENYUAN, LI, JIAN, CHEN, SHUHUI
33: CN 31: 202211358879.8 32: 2022-11-01
33: CN 31: 202111342790.8 32: 2021-11-12
54: PYRAZOLO FUSED RING COMPOUND AND USE THEREOF
00: -
A pyrazolo fused ring compound and the use thereof. Specifically disclosed are a compound represented by formula (IV) and a pharmaceutically acceptable salt thereof.



(IV)

21: 2024/04607. 22: 2024/06/13. 43: 2024/12/23
51: A61J; A61M; B65D
71: SANTOS LEITE, Ronaldo
72: SANTOS LEITE, Ronaldo
33: BR 31: 1020210229144 32: 2021-11-13
54: FIXED CLOSURE FOR LONG-LIFE PACKAGE WITH AN ACCESS FOR ENTERAL NUTRITION EQUIPMENT FOR USE BY A CLOSED SYSTEM
00: -
The present invention pertains to the technical field of food packaging and was specifically created to supply the market of enteral nutrition foods in closed systems, and consists of a fixed closure that forms the long-life package for exclusive use through the connection to the administration equipment, with a layout that converts the conventional long-life package (open system) into a closed system

package, since its features allow the product to be discharged through a tube and preserve the barrier and hermetic closure features of the package, without exposing the product to the environment, dispensing with manipulation and hence the need for a specific preparation site.

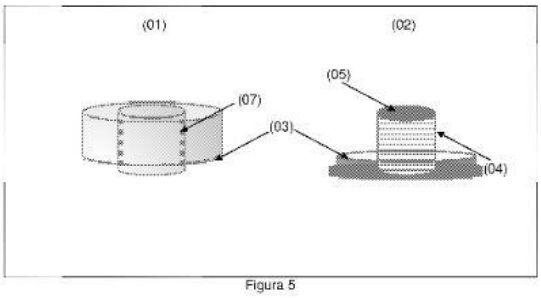
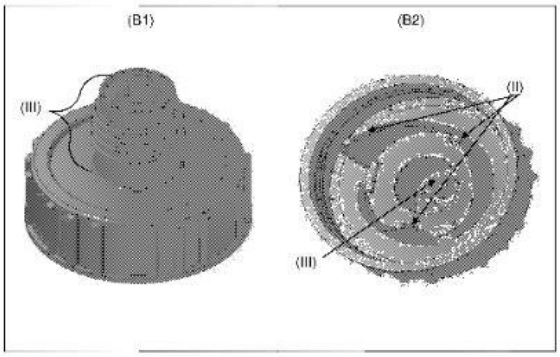


Figura 5

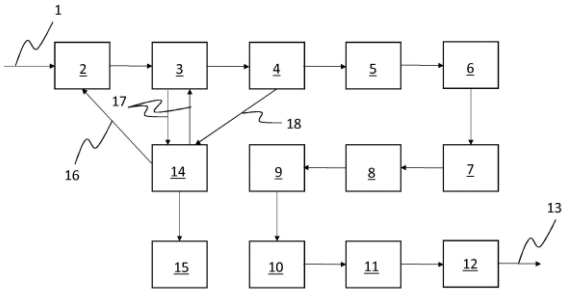
21: 2024/04608. 22: 2024/06/13. 43: 2024/12/23
51: A61J; B65D
71: SANTOS LEITE, Ronaldo
72: SANTOS LEITE, Ronaldo
33: BR 31: 1020210229241 32: 2021-11-13
54: FIXED CLOSURE FOR LONG-LIFE PACKAGE WITH AN ACCESS FOR ENTERAL NUTRITION DEVICE FOR USE BY AN OPEN OR CLOSED SYSTEM
00: -
The present invention pertains to the technical field of food packaging and was specifically designed for the market of enteral nutrition foods, offering a single package that can be used by the two existing systems (closed system and open system), consisting of a fixed closure that forms the long-life package which, besides its present function, can be used through a connection to the enteral food administration device, in other words, the invention converts the conventional long-life package (open system) into a multiple-use package that can be used both in the conventional manner and with a device that forms a closed system, since the features of the package retain the present long-life package functions, in which the inner protection seal is broken when the package is opened, and enable the use of the device without breaking the seal, which can thus be used by a closed system with protection features identical to those of special, commercially available closed-system packages.



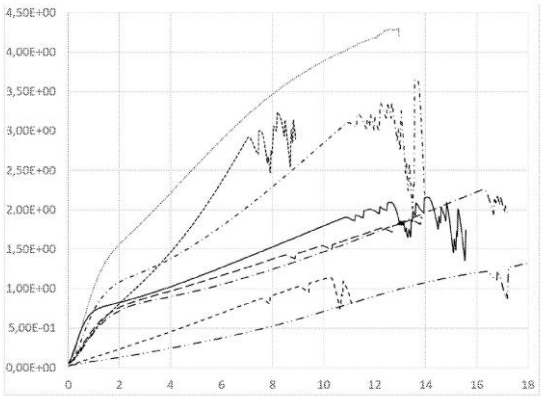
21: 2024/05211. 22: 2024/07/04. 43: 2025/02/13
51: E01D
71: China railway Shanghai Engineering Group Co., Ltd., THE FIRST CIVIL ENGINEERING CO., LTD. OF CREC SHANGHAI GROUP, Beijing University of Civil Engineering and Architecture
72: WANG, Yongming, LI, Shuai, LIU, Xuejuan, TANG, Qi, WANG, Jingwei, CHEN, Hejun, ZHANG, Maolin, SONG, Chaozhi, ZHANG, Wei, REN, Ruigang, SONG, Fei, WANG, Yufeng, GUO, Minglei, WANG, Lin, HE, Xinxin
54: REGULATOR FOR CONCRETE OF MANUFACTURED SAND AND GRAVEL AND PREPARATION METHOD AND USE METHOD THEREOF
00: -
The present disclosure provides a regulator for concrete of manufactured sand and gravel and a preparation method and a use method thereof, relating to the technical field of concrete admixtures, including a solid material A and a liquid material B, wherein the solid material A is mainly composed of tea seed powder, ultrafine silicon dioxide, guar gum and sodium oleate, the liquid material B is mainly composed of sodium thiosulfate, sodium hydroxide, a polyether anti-foaming agent and water. The regulator of the present disclosure is suitable for concrete prepared from manufactured sand and gravel with an apparent density of greater than 2850 kg/m3, can significantly improve a total amount of cement slurry of the concrete, improve its capability of wrapping the manufactured sand and gravel, effectively improve a structure of an interfacial transition zone between aggregates and the cement slurry, and solve the problems that the concrete prepared from manufactured sand and gravel with a high apparent density is prone to stratification and segregation, and has poor homogeneity and low strength during stirring, pumping and pouring.

21: 2024/05266. 22: 2024/07/05. 43: 2025/02/13
51: A61K; A61Q; C11D; D06M
71: Givaudan SA
72: AUSSANT, Emmanuel, RADICE PETITPREZ, Cindy
33: GB 31: 2117602.9 32: 2021-12-06
54: SOLID COMPOSITION
00: -
The present invention provides a solid composition consisting of a solid, water-soluble, biodegradable carrier and a microcapsule composition comprising a polymer encapsulating a benefit agent, wherein the benefit agent is encapsulated in core-shell microcapsules comprising a core and a shell surrounding the core. The invention also provides a consumer product comprising the solid composition.

21: 2024/05272. 22: 2024/07/05. 43: 2025/02/03
51: C01D; C08B; D01D; D01F; D04H
71: Infinited Fiber Company Oy
72: SIREN, Sakari, VEIJOLA, Elias, NUOPPONEN, Markus
33: FI 31: 20225011 32: 2022-01-07
54: CELLULOSIC TEXTILE FIBRE
00: -
The invention relates to a method for the manufacture of cellulose carbamate textile fibre, comprising the steps of dissolving cellulose carbamate in an aqueous alkaline medium to form a cellulose carbamate dope comprising zinc; spinning the cellulose carbamate dope into an alkaline aqueous spin bath in a spinning unit, to form filaments or filament tow; and stretching the filaments or filament tow to obtain cellulose carbamate fibres. In the spin bath, sodium hydroxide and sodium carbonate contents are maintained within pre-defined ranges by withdrawing and recycling a portion of the spin bath.

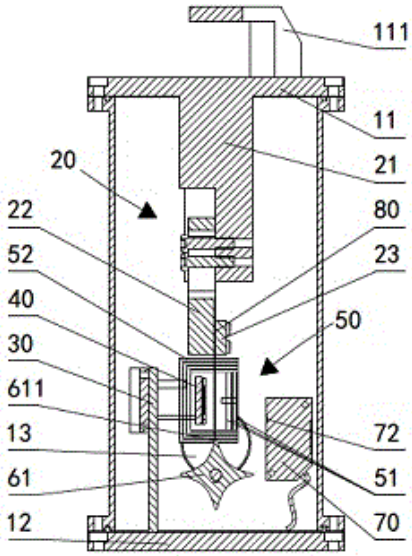


21: 2024/05273. 22: 2024/07/05. 43: 2025/02/03
51: C01D; C08B; D01D; D01F; D04H
71: Infinited Fiber Company Oy
72: MALANIN, Erkki, SIREN, Sakari, NUOPPONEN, Markus, VEIJOLA, Elias
33: FI 31: 20225011 32: 2022-01-07
54: CELLULOSIC TEXTILE FIBRE
00: -
According to an example aspect of the present invention, there is provided a manmade cellulosic textile fibre having a linear density of 0.8-1.8 dtex, a tenacity of 2.0-2.9 cN/dtex, and an initial modulus of 50-120 cN/dtex. The cellulosic textile fibre comprises a cellulose-based material, wherein at least 50 wt-% of the raw material of the textile fibre is cellulose-containing waste, and at least 50 wt-% of the cellulose-containing waste is textile waste.

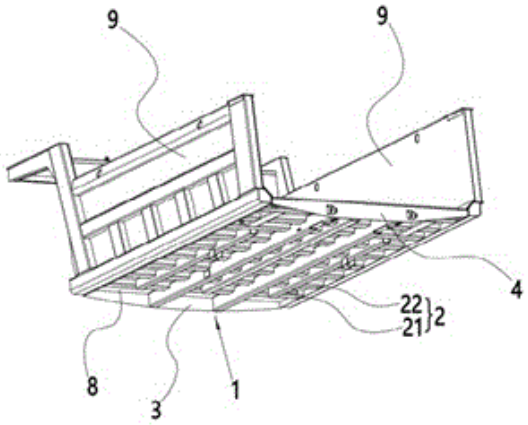


21: 2024/05278. 22: 2024/07/05. 43: 2025/02/03
51: G01N
71: SUZHOU NUCLEAR POWER RESEARCH INSTITUTE CO., LTD., CHINA GENERAL NUCLEAR POWER GROUP, CGN POWER CO., LTD.
72: LIU, XIANGBING, LI, YUANFEI, XU, CHAOLIANG, JIA, WENQING, YIN, JIAN, QUAN, QIWEI, QIAN, WANGJIE
33: CN 31: 202210004241.8 32: 2022-01-04
54: PORTABLE INTERNAL FRICTION MEASURING INSTRUMENT AND INTERNAL FRICTION MEASUREMENT METHOD
00: -
A portable internal friction measuring instrument and internal friction measurement method , the portable internal friction measuring instrument comprising: a cavity (10), a sample fixture (20), a fixing plate (30), a heating plate (40), a thermal barrier cover (50), an

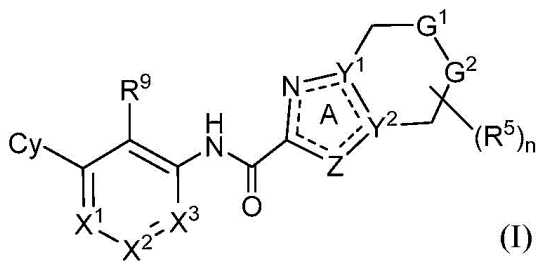
excitation assembly (60), and a vibration sensor (70). The excitation assembly (60) comprises a rotatable vibration impeller (61), at least one protrusion is provided on the outer wall of the vibration impeller (61), the lower edge of a sample (80) can be intermittently toggled by means of the protrusion during the rotation of the vibration impeller (61), a light sensor is used as the vibration sensor (70), and the vibration amplitude of the sample (80) is determined by using an angle difference between emitted light and reflected light of the sample (80), such that the technical effects of mechanical toggling to excite the vibration of the sample (80) and non-contact measurement of the vibration of the sample (80) are achieved, and the internal friction measuring instrument can be integrated in a small cavity (10) and is easy to carry.



21: 2024/05291. 22: 2024/07/08. 43: 2025/02/17
51: B61D
71: CATERPILLAR INC.
72: SUN, XIAOTAI, ZHANG, WEI, FENG, KAI, WANG, GUANGRONG, WANG, WENYAO
33: CN 31: 202321956374.1 32: 2023-07-24
54: FLOOR REINFORCEMENT BEAM ASSEMBLY, WIDE-BODY TRUCK CARGO BOX, AND ENGINEERING MACHINE
00: -
The present disclosure proposes a floor reinforcement beam assembly for a wide body truck. It comprises a longitudinal beam unit (1) and a cross beam unit (2). The longitudinal beam unit comprises a first longitudinal beam (11) and a second longitudinal beam (12) extending in a longitudinal direction of the wide-body truck; and the cross beam unit comprises a first cross beam (21) and a plurality of second cross beams (22) extending in a transverse direction of the wide-body truck and arranged at intervals in the longitudinal direction of the wide-body truck. The longitudinal beam unit spans the cross beam unit, the first longitudinal beam and the second longitudinal beam are respectively connected to the first cross beam and the plurality of second cross beams, and the first longitudinal beam and the second longitudinal beam are respectively formed of rectangular tubes. The through-beam structure in the present disclosure decreases the types of materials, reduces the cost and prolongs the service life. The present disclosure also relates to a wide-body truck cargo box and an engineering machine with such a floor reinforcement beam assembly.



21: 2024/05294. 22: 2024/07/08. 43: 2025/02/12
51: A61P; C07D
71: Incyte Corporation
72: XIAO, Kaijiong, ZHANG, Fenglei, WU, Liangxing, YAO, Wenqing
33: US 31: 62/352,485 32: 2016-06-20
54: HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS
00: -
Disclosed are compounds of Formula (I), methods of using the compounds as immunomodulators, and pharmaceutical compositions comprising such compounds. The compounds are useful in treating, preventing or ameliorating diseases or disorders such as cancer or infections.



(I)

21: 2024/05358. 22: 2024/07/10. 43: 2025/02/03
51: C12Q; G01N
71: Serum Institute of India Private Limited
72: VITHOBA, Bhagade Sudhakar, MADHUKARRAO, Gulhane Ashishkumar, VASUDEO, Bore Prashant, GOPAL, Pawar Rakesh, ASARAM, Pund Yogesh, DINESH, Mallya Asha
33: IN 31: 202321046538 32: 2023-07-11
54: METHOD FOR QUANTIFICATION OF AN INGREDIENT USED IN VACCINE MANUFACTURING AND FORMULATIONS
00: -
The present disclosure relates to a method for quantification of a vaccine constituent, buffering agent or ingredient content in vaccine formulations or vaccine manufacturing processes. Particularly, the present disclosure relates to an improved Capillary Zone Electrophoresis based method for TRIS quantification in vaccine/drugs/monoclonal antibody (in formulations/manufacturing process) or any other biological solution. Said method does not require analytical column, chromatography, analytical grade solvents, carrier gas, costly derivatizing agents and sample preparation accessories. This optimized method exhibits several advantages (such as simplicity, sensitivity, robustness, reproducibility, easy, accuracy and shorter sample/standard run time) over previously reported methods (reported RV-HPLC, LC-UV, Ion Chromatography, HILIC, GC, RPLC- Electrospray Ionization tandem mass spectrometry).

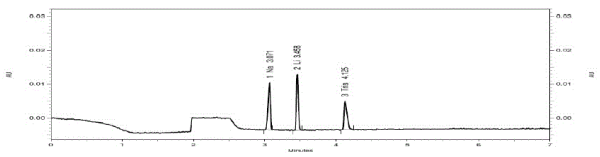


Figure 4

21: 2024/05434. 22: 2024/07/12. 43: 2025/02/11
51: F41A
71: BAE Systems Hägglunds Aktiebolag
72: ERIKSSON, Claes
33: SE 31: 1951170-8 32: 2019-10-15
54: ARRANGEMENT FOR FEEDING AMMUNITION TO A WEAPON
00: -
The present invention relates to an arrangement for feeding ammunition to a weapon (20). The weapon (20) is mounted to an elevation device (30) arranged to allow elevation movement of the weapon (20) about an elevation axis (Z1). The arrangement comprises a feeding chute (40; 140) connected at one end to the weapon (20). The feeding chute (40) comprises a set of elements (42; 142) assembled together in a stacked configuration. The set of elements (42; 142) is arranged about a shaft (44; 144) configured to be concentrically arranged relative to the elevation axis (Z1) so as to allow movement of individual elements of the set of elements (42; 142)) about said shaft (44; 144) in connection to elevation movement of the weapon (20) about the elevation axis (Z1). The invention also relates to a vehicle with an arrangement according to the present invention.

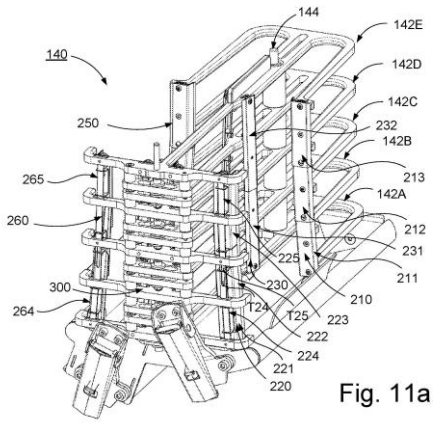
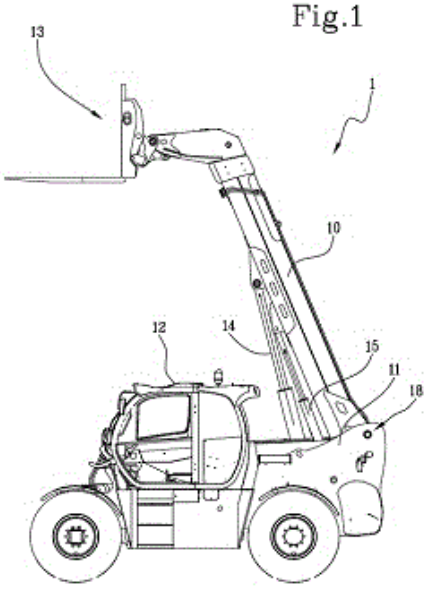


Fig. 11a

21: 2024/05437. 22: 2024/07/12. 43: 2025/02/05
51: B66F
71: MANITOU ITALIA S.R.L.
72: IOTTI, MARCO
33: IT 31: 102023000015345 32: 2023-07-21
54: SAFETY SYSTEM FOR WORKING MACHINE
00: -
Described is self-propelled working machine provided with organ for moving a load and equipped with a safety system designed to prevent a risk of instability and comprising means for detecting a

position and a weight of the load and further comprising a processing unit connected to said detection means and in turn comprising: a checking module configured for comparing the weight of the load with a reference value, selected on the basis of a position of the load; and a limiting module configured for producing a limiting signal suitable for limiting the movement of the movement organ (10), following the comparison performed by the checking module. The reference value is independent of an angular position of the movement organ (10).

Fig.1

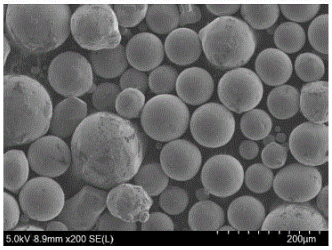


21: 2024/05441. 22: 2024/07/12. 43: 2025/03/17
51: C23F; F22B; G21C
71: XI'AN NUCLEAR EQUIPMENT CO., LTD
72: LI, Junye, DING, Zhengbiao, XIA, Zhixin, QIN, Wei, WU, Lintao, JIA, Weiwei, WANG, Jiantao, MA, Yongqian, LIU, Xiaohu, SHAN, Jiwen
33: CN 31: 202311835215.0 32: 2023-12-28

54: CORROSION-RESISTANT SURFACING LAYER FOR INNER WALL OF NUCLEAR POWER PRESSURE VESSEL AND PREPARATION METHOD THEREFOR

00: -

The present disclosure relates to a surfacing layer and a preparation method thereof, and particularly relates to a corrosion-resistant surfacing layer for an inner wall of a nuclear power pressure vessel and a preparation method thereof. A corrosion-resistant surfacing layer for an inner wall of a nuclear power pressure vessel is prepared from, by mass%: 0.01% to 5 0.02% of C; 2.69% to 3.61% of Mn; 2.04% to 3.59% of Si; 20.22% to 23.18% of Cr; 5.20% to 5.80% of Ni; and the balance being Fe. Significant effects of the present disclosure are as follows. The preparation method and application of a hexabasic alloy provided by the present disclosure use the manner of laser direct energy deposition or a plasma spray to synthesize gradient materials of the surfacing 10 layer, so that differences of a thermal expansion coefficient, a melting point, an elastic modulus, and the like between interfaces are effectively mitigated, a residual stress level between the interfaces in a material preparation process may be reduced, precipitation of low melting point phases, hard and brittle phases, and the like may be avoided, manufacturing requirements can be met, thereby manufacturing a high-strength bonding interface.



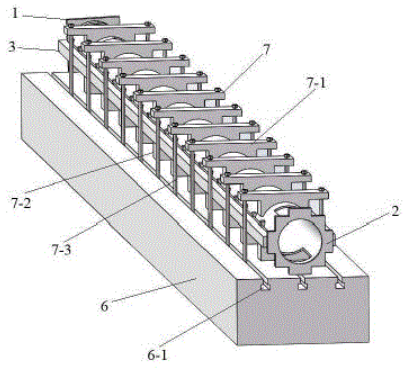
21: 2024/05442. 22: 2024/07/12. 43: 2025/03/17
51: G21C
71: XI'AN NUCLEAR EQUIPMENT CO., LTD
72: LI, Jun, YIN, Dongdong, NING, Xiaoliang
33: CN 31: 202310860642.8 32: 2023-07-14

54: TELESCOPIC SLEEVE OF LOADING AND UNLOADING MACHINE AND METHOD FOR MACHINING SAME

00: -

The present disclosure discloses a telescopic sleeve of a loading and unloading machine, and a method for machining the telescopic sleeve, the method comprising: first, rough-machining an upper flange, a lower flange, guide rail, mounting standoffs and a sleeve tube; next, welding two rows of mounting standoffs on two facing positions on the sleeve tube with smaller 5 straightness; then, performing alignment and machining concave straight grooves using a CNC gantry boring and milling machine, and welding the two guide rails into the two rows of concave straight grooves, respectively; after that, inserting the upper flange and the lower flange into male ends at two ends of the sleeve tube

respectively, and positioning and weld-assembling; and finally, performing 10 integral precision machining to complete the machining of the telescopic sleeve of the loading and unloading machine. The straightness, symmetry, flatness, and the like of the telescopic sleeve processed by the machining method of the present disclosure meet the requirements, ensure precision tolerance requirements of drawings, and meet various functional requirements for equipment debugging.



21: 2024/05453. 22: 2024/07/12. 43: 2025/02/13
51: A61K; A61Q; C11D
71: Givaudan SA
72: BROOKS, Matthew Peter
33: GB 31: 2118166.4 32: 2021-12-15
54: IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS
00: -
The present invention relates to a malodour reduction composition comprising zinc neodecanoate adapted to be delivered from an aqueous medium to a surface containing a source of malodour and to deliver a sensorially perceptible malodour reduction effect to the surface.

Figure 1: Perceived malodour intensity – results illustrating example 6 A

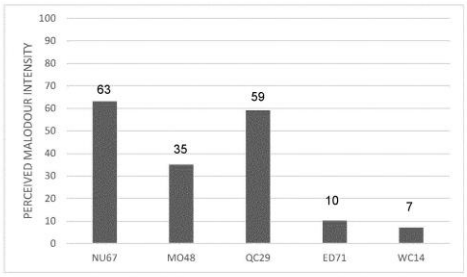


Figure 2: Perceived malodour intensity of post-dosed refresher spray formulation on worn T-shirt inserts – results illustrating example 6 C

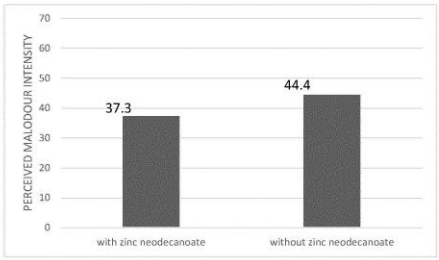
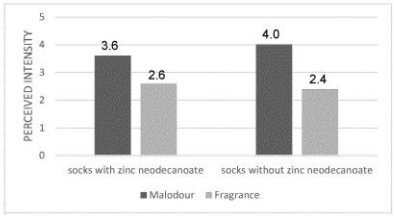
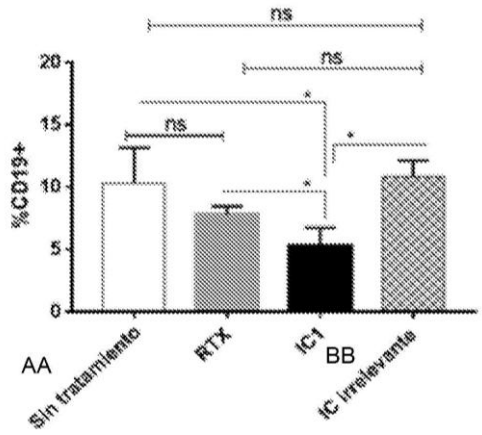


Figure 3: Perceived intensity of malodour or fragrance – results illustrating example 6 D



21: 2024/05597. 22: 2024/07/18. 43: 2025/01/30
51: C07K
71: Centro de Inmunologia Molecular
72: CASADESÚS PAZOS, Ana Victoria, HERNÁNDEZ GARCÍA, Tays, LEÓN MONZÓN, Kalet
33: CU 31: 2021-0104 32: 2021-12-21
54: FUSION PROTEINS COMPOSED OF AN ANTIBODY AND A MUTEIN
00: -
The present invention relates to the field of biotechnology and immuno-oncology. Fusion proteins comprising an interleukin 2 agonist mutein linked to an immunoglobulin via a linker are disclosed. These fusion proteins are useful in the treatment of cancer given their superior properties when compared to other similar ones based on IL-2 no-alpha muteins, by simultaneously preserving the ability of antibodies to make ADCC and CDC and, in addition, activating NK cells and CD8+, without expanding regulatory T cells. The convergence of

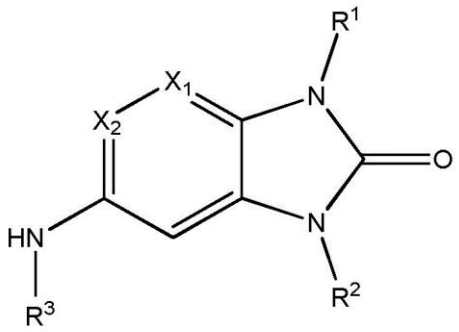
these properties results in fusion proteins with antitumor properties superior to the parent antibodies, and even to these combined with the no-alpha mutein.



AA Untreated
BB Isotype control immunocytokine

21: 2024/05646. 22: 2024/07/19. 43: 2025/02/12
51: A61K; A61P; C07D
71: Cancer Research Technology Limited, The Institute of Cancer Research: Royal Cancer Hospital
72: BELLENIE, Benjamin Richard, CARTER, Michael Keith, CHEUNG, Kwai Ming Jack, DAVIS, Owen Alexander, HOELDER, Swen, LLOYD, Matthew Garth, VARELA RODRÍGUEZ, Ana, INNOCENTI, Paolo, WOODWARD, Hannah
33: GB 31: 1708502.8 32: 2017-05-26
54: BENZIMIDAZOLONE DERIVED INHIBITORS OF BCL6
00: -

The present invention relates to compounds of Formula I that function as inhibitors of BCL6 (B-cell lymphoma 6) activity: wherein X_1, X_2, R^1, R^2 and R^3 are each as defined herein. The present invention also relates to processes for the preparation of these compounds, to pharmaceutical compositions comprising them, and to their use in the treatment of proliferative disorders, such as cancer, as well as other diseases or conditions in which BCL6 activity is implicated.



Formula I

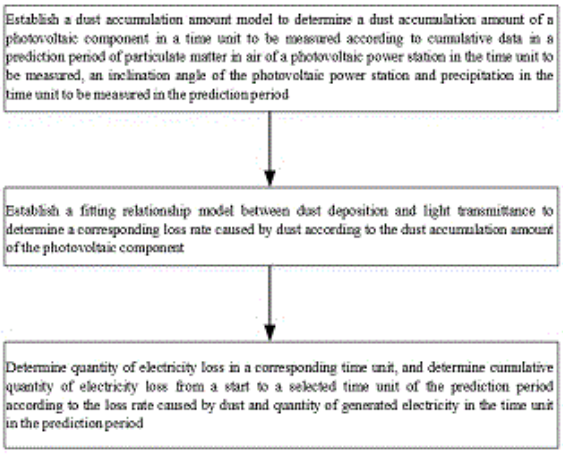
21: 2024/05748. 22: 2024/07/25. 43: 2025/02/12
51: A61K; A61P; C07K
71: Kleo Pharmaceuticals, Inc.
72: SPIEGEL, David Adam, WELSCH (Deceased), Matthew Ernest
33: US 31: 62/537,034 32: 2017-07-26
54: UNIVERSAL ABT COMPOUNDS AND USES THEREOF
00: -

Among other things, the present disclosure provides compounds comprising universal antibody binding moieties and targeting moieties. In some embodiments, provided compounds recruit various types of antibodies to diseased cells such as cancer cells, and induce immune activities to kill such cells. Provided technologies are useful for treating various diseases including cancer.

21: 2024/05750. 22: 2024/07/25. 43: 2025/02/03
51: G06N; G06Q
71: SPIC INTEGRATED SMART ENERGY TECHNOLOGY CO., LTD
72: LI, XIN, YANG, LING
33: CN 31: 2023109199734 32: 2023-07-26
54: METHOD FOR PREDICTING QUANTITY OF ELECTRICITY LOSS CAUSED BY DUST IN PHOTOVOLTAIC POWER STATION BASED ON AI MODEL TRAINING
00: -

The present invention discloses a method for predicting quantity of electricity loss caused by dust in a photovoltaic power station based on AI model training. The method includes: establishing a dust accumulation amount model to determine a dust accumulation amount of a photovoltaic component to determine a dust accumulation amount of a photovoltaic component in a time unit to be

measured according to cumulative data of particulate matter in air of the photovoltaic power station, an inclination angle of the photovoltaic power station and precipitation in a prediction period; establishing a fitting relationship model between dust deposition and light transmittance to determine a corresponding loss rate caused by dust; and determining corresponding quantity of electricity loss, and determining cumulative quantity of electricity loss from a start to a selected time unit of the prediction period according to the loss rate caused by dust and quantity of generated electricity, where at least one parameter of the dust accumulation amount model and/or the fitting relationship model is updated by an AI model in a next prediction period. The influences of the particulate matter in the air, the inclination angle of the power station and the precipitation with regard to dust accumulation are considered, the influence of specific circuit setting or network access disturbance of the photovoltaic power station is avoided, the prediction is accurate and stable, and parameters can be updated according to the AI model to continuously improve prediction accuracy.

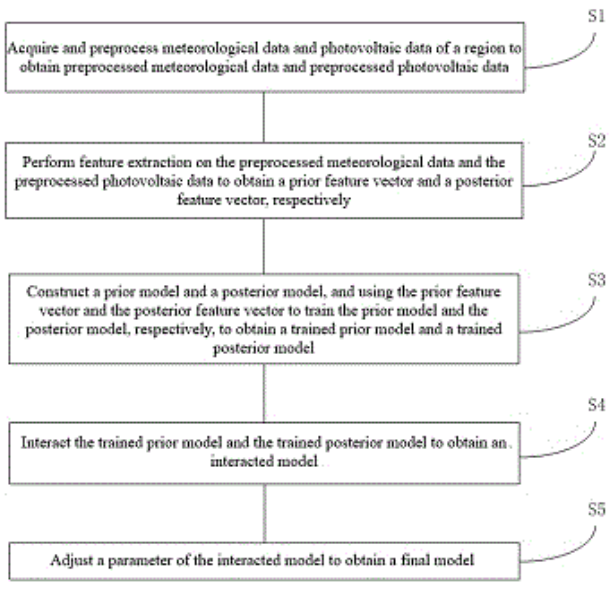


21: 2024/05751. 22: 2024/07/25. 43: 2025/02/03
51: G06F; G06N; G06Q; H02J
71: SPIC INTEGRATED SMART ENERGY TECHNOLOGY CO., LTD
72: ZHENG, XIAORAN, ZHAO, ZHIYUAN, YANG, LING
33: CN 31: 2023109198799 32: 2023-07-26

54: METHOD AND SYSTEM OF TRAINING PHOTOVOLTAIC POWER GENERATION CAPACITY MODEL BASED ON PRIOR AND POSTERIOR MODEL FUSION

00: -

The present invention relates to a method and system of training a photovoltaic power generation capacity model based on prior and posterior model fusion, where the training method includes the following steps: acquiring and preprocessing meteorological data and photovoltaic data of a region to obtain preprocessed meteorological data and preprocessed photovoltaic data; performing feature extraction on the preprocessed meteorological data and the preprocessed photovoltaic data to obtain a prior feature vector and a posterior feature vector, respectively; constructing a prior model and a posterior model, and using the prior feature vector and the posterior feature vector to train the prior model and the posterior model, respectively, to obtain a trained prior model and a trained posterior model; interacting the trained prior model and the trained posterior model to obtain an interacted model; and adjusting a parameter of the interacted model to obtain a final model. The present invention characterizes prior distribution through a machine learning model, so that a prediction algorithm makes an accurate prediction on the premise of no need to find all prior information.

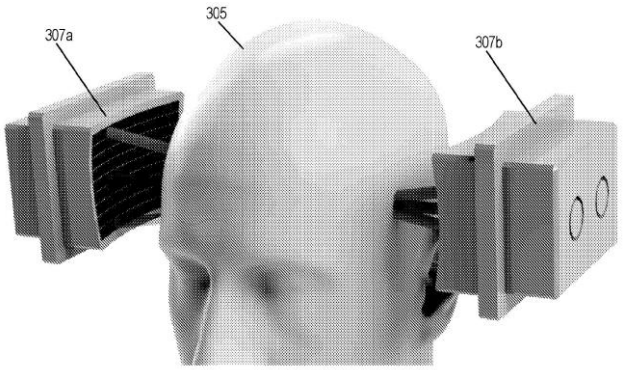


21: 2024/05760. 22: 2024/07/25. 43: 2025/02/07
51: A61B; A61N
71: University of Utah Research Foundation
72: KUBANEK, Jan
33: US 31: 63/296,252 32: 2022-01-04

54: SYSTEMS AND METHODS FOR MODULATION OF DEEP BRAIN CIRCUITS

00: -

Systems and methods for applying therapeutic ultrasound to the brain while using ultrasound to compensate for the attenuation and dephasing of ultrasound by each individual's head. The compensation delivers into the target deterministic ultrasound intensity. The compensation is based on relative ultrasound through-transmit measurements, which are performed using a set of ultrasonic emitters over one side of the head and a set of receivers on the other side. The measurements are performed with the head absent and present. Based on the difference between these measurements, the set of ultrasound waves is adjusted to compensate for attenuations and dephasing caused by the ultrasound wave passing into the head through the skull and scalp. The deterministic delivery enables ultrasonic heuromodulation, local drug release from nanoparticle carriers, and microbubble-based disruption of blood-brain barrier for the delivery of drugs, genes, and stem cells across the blood-brain barrier.



21: 2024/05815. 22: 2024/07/29. 43: 2025/02/04
51: C02F; E03F
71: GAE MAHLAKUNG (PTY) LTD
72: BOPAPE MATOME ZACHARIA
33: ZA 31: 2023/09206 32: 2023-10-02

54: A SMART TOILET SYSTEM

00: -

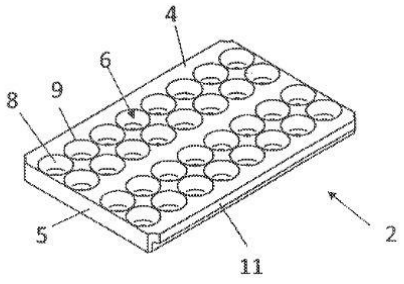
ABSTRACT The present invention relates to a smart toilet system designed for harvesting and conserving treated effluent from a septic tank for secondary use. The smart toilet system includes a septic tank with two chambers separated by a thick dividing wall with apertures for sewerage wastewater treatment. Treated effluent from the septic tank is stored in a water-holding chamber, connected to the second chamber of the septic tank. The treated effluent is drawn from the water-holding chamber for secondary uses such as irrigation, promoting water conservation. The system also includes biogas capture for potential secondary use.

21: 2024/05830. 22: 2024/07/29. 43: 2025/03/05
51: A23N; G01N; G06K
71: ILIP S.R.L.
72: GARAVAGLIA, Luigi, BIGNAMI, Filippo, MARROCCO, Gaetano, OCCHIUZZI, Cecilia, D'UVA, Nicola, AMENDOLA, Sara, CAMERA, Francesca

54: RFID SYSTEM AND METHOD FOR MONITORING THE DEGREE OF RIPENESS OF A PLURALITY OF FRUITS

00: -

A system and a method for monitoring the degree of ripeness of a plurality of fruits (10), in particular tropical fruits, are described, the system comprising a support having a plurality of cavities (6) for containing said fruits (10), at least one RFID tag (16, 18) operating in the UHF band, associated to each cavity (6) for containing a fruit (10) and arranged, in use, in contact with or close to said fruit (10), an interrogation device of said at least one RFID tag comprising a reader (20) and at least one interrogation antenna (13), said interrogation antenna (13) being arranged in a seat (14) of said support and being operatively associated to at least one RFID tag (16, 18) associated to at least one containing cavity (6), and means for processing electromagnetic signals (data) relative to or related to the degree of ripeness of said fruits (10) coming from the reading of said RFID tags (16, 18) by said interrogation device.



21: 2024/05835. 22: 2024/07/29. 43: 2025/02/05
51: B07B
71: Haver & Boecker Latinoamericana Limitada

72: GERALDO ESQUÁRCIO JÚNIOR, Célio
33: BR 31: 1020220187495 32: 2022-09-19
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
00: -
"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" represented by an inventive solution that is beneficial to the mining industry and notably useful when applied to the procedure of cubic and lamellar sorting of ore extracted from ore deposits, capable of solving a widely found problem of too long maintenance downtimes for replacing a part or even all of the matrix of modular meshes that integrates the cubic and lamellar sorting screen component, for which an enhanced fastening means (Fxa) has been designed that involves introducing, along with the domes (20c) provided in the body (20a) of the enhanced modular mesh (20), an extension in the form of semicircular expansion flaps (20d), causing, with the alignment of two of these meshes (20) and (20´), a consequential alignment of their semicircular expansion flaps (20d) and (20d´) to a fastening rod(Bu) ready to receive the fastening pin (40).

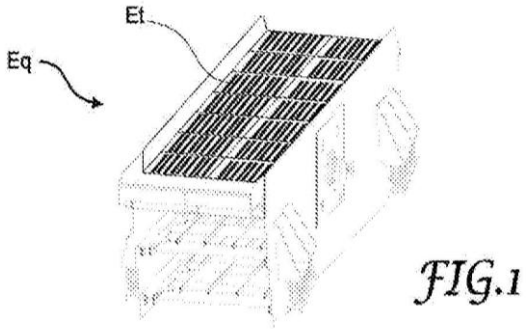


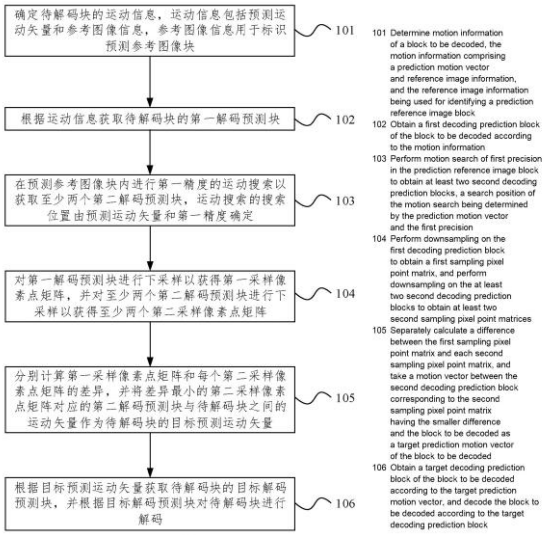
FIG.1

21: 2024/05875. 22: 2024/07/30. 43: 2025/02/06
51: A23L; B01D
71: Meura S.A.
72: HARMEGNIES, Frédérique, HAERINCK, Mathieu, LAMBIN, Loranne, CANTILLON, Pascal, SIMAL, Olivier
33: BE 31: BE2022/5110 32: 2022-02-18
54: METHOD FOR PRODUCING DAIRY SUBSTITUTE PRODUCTS
00: -
The present invention relates to a method for processing raw materials of plant origin and to the use of apparatuses for the solid-liquid separation of suspensions in order to produce extracts, drinks or derived products (yoghurts, creams etc.) also known as "plant-based products" in the agrifood industry. The method comprises at least the following steps: - suspending a material of plant origin; - solid-liquid separation using a plate filter press, comprising the phases of: - filling the filter with the suspension to be filtered; - filtering the suspension and simultaneously forming a porous filter cake; - optionally washing the filter cake in order to recover most of the extract present in the cake; and - discharging the cake; and- homogenising the filtrate. Said method makes it possible to improve the yield in the production of plant milk. In particular, it optimises recovery of the extract and reduces electrical and thermal power consumption.

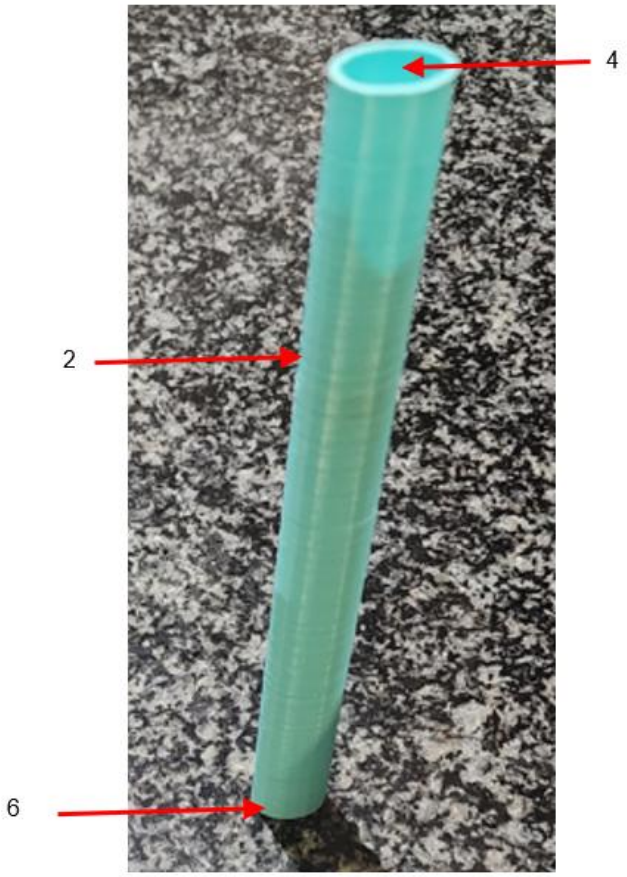
21: 2024/05906. 22: 2024/07/31. 43: 2025/02/10
51: B60D; D07B; F16G
71: SOUTHERN ROPES PROPRIETARY LIMITED
72: MARCUS TWINE
33: ZA 31: 2024/03422 32: 2024-05-03
54: SHACKLE AND METHOD ASSEMBLY
00: -
A shackle comprising a bow comprising a flexible elongate member having a first end and a second end, a pin configured to removably engage with the bow, and a fastener configured to engage the pin, the fastener comprising a complementary engagement formation to the pin, wherein, in operation, the shackle is assembled with the bow affixed to the pin by insertion of the pin through the thimbles, to close the opening end and secure the thimbles on the pin, thereby closing the shackle.

21: 2024/05907. 22: 2024/07/31. 43: 2025/02/12
51: H04N
71: Huawei Technologies Co., Ltd.

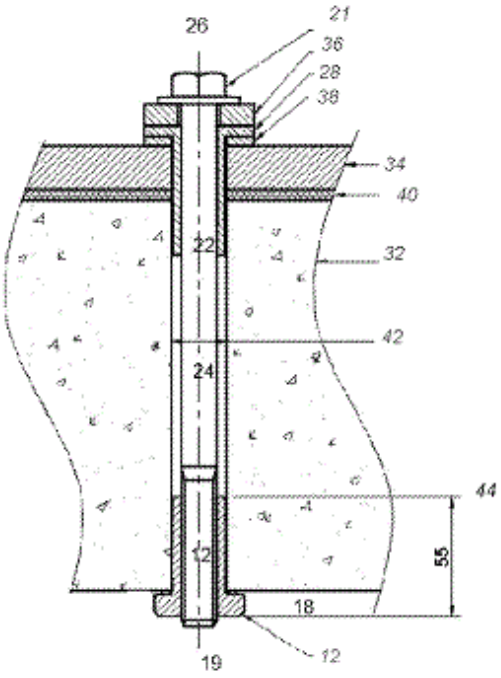
72: CHEN, Xu, ZHENG, Jianhua
33: CN 31: 201811458677.4 32: 2018-11-30
54: PICTURE ENCODING AND DECODING METHOD AND APPARATUS FOR VIDEO SEQUENCE
00: -
This application provides a picture encoding and decoding method and apparatus for a video sequence. The picture decoding method in this application includes: determining motion information of a to-be-decoded block; obtaining a first decoding prediction block of the to-be-decoded block based on the motion information; performing motion search with first precision in the prediction reference picture block to obtain at least two second decoding prediction blocks; performing downsampling on the first decoding prediction block to obtain a first sampling pixel array; performing downsampling on the at least two second decoding prediction blocks to obtain at least two second sampling pixel arrays; calculating a difference between the first sampling pixel array and each of the second sampling pixel arrays, and using, as a target prediction motion vector, a motion vector corresponding to a second sampling pixel array with a minimum difference; and obtaining a target decoding prediction block of the to-be-decoded block based on the target prediction motion vector, and decoding the to-be-decoded block based on the target decoding prediction block. In this application, a calculation amount of difference comparison is reduced, and picture coding efficiency is improved.



21: 2024/05911. 22: 2024/07/31. 43: 2025/02/06
51: A61K
71: Brian Lesley LEVY
72: NERWICH, Craig, LEVY, Brian Lesley, LEVY, Mast Meir Mordechai
54: A DEVICE TO ASSIST A USER TO INGEST MEDICATION
00: -
The present invention relates to a device for assisting a user to ingest medication. More particularly, the present invention relates to a straw having a pill-supporting region for assisting the user to ingest the pill where a liquid passes therethrough.



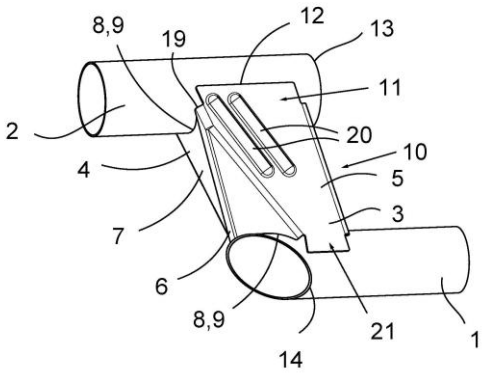
21: 2024/05924. 22: 2024/07/31. 43: 2025/02/06
51: E01B
71: COLOSSAL CONCRETE PRODUCTS (PTY) LTD
72: BURGER, Kobus
33: ZA 31: 2022/01513 32: 2022-02-03
54: RAILWAY LINE FASTENER AND METHOD OF INSTALLING A RAILWAY SLEEPER
00: -
Railway line fastener includes a bolt (21) which comprises the shank (22) which is threaded (24) and which has the hexagonal head (26). A collar bush (28) of a suitable plastics material, such as Nylon-66, is engaged with the shank, abuts the head and, when installed, acts on an upper surface of a concrete sleeper member (32), via a base plate (34). Between the head and the base plate are located a top washer (23,36) which abuts a flange portion of the bush and a bottom washer (38) which is compressed in use between the flange portion of the bush and the base plate. A rubber or HOPE pad (40), or another resiliently deformable material, is placed between the base plate and the concrete sleeper member to permit sufficient tightening of the fastener and maintenance of same. A method of installing a railway sleeper is further disclosed.



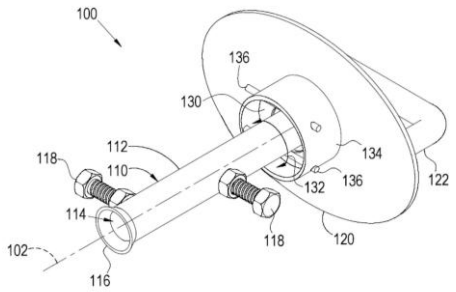
21: 2024/05927. 22: 2024/07/31. 43: 2025/02/07
51: D01C
71: DR. RAMRATAN
72: DR. RAMRATAN
33: IN 31: 202211005625 32: 2022-02-02
54: TEXTILE FIBER EXTRACTED FROM STEM OF CAYRATIA TRIFOLIA L. PLANT
00: -
The present invention discloses a textile fiber extracted from stem of Cayratia trifolia plant. The method of extraction of fiber comprises of certain steps such as procurement of Cayratia trifolia plant, harvesting and pre-treatment, water retting or degumming of fiber binding material, separation and drying of fiber and finally the physical characterization of obtained fiber. The obtained fibers are of golden colour with silk like appearance and 3 to 20 cm length. Further, the extracted fiber possesses a higher strength of about 765 Mpa.

21: 2024/05928. 22: 2024/07/31. 43: 2025/02/06
51: B62D
71: Linde + Wiemann SE & Co. KG
72: NEUL, Daniela, ZEISER-RASUMAK, Alex, FUSS, Dennis

33: DE 31: 10 2022 105 629.5 32: 2022-03-10
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
00: -
The invention relates to a connection element (10) for connecting a first tube (1) to a second tube (2) of a cross member (15) for a vehicle, wherein the connection element (10) has at least one longitudinal wall (5) adjoined by at least one transverse wall (6, 7) arranged preferably perpendicularly to the longitudinal wall (5). According to the invention, the at least one cross member (6, 7) has, at a first end (9), an edge (8) which preferably matches the circumferential contour of the first tube (1) and which, for a preferably rotatable arrangement of the connection element (10), rests on the outer circumference of the first tube (1) at least over part of the circumference, and, at a second end (11) of the longitudinal wall (5), a portion (12) is provided which is connectable, preferably weldable, to the second tube (2) in the assembly position of the connection element (10). The invention also relates to a cross member for a vehicle and to a method for connecting two tubes of a cross member.



21: 2024/05971. 22: 2024/08/02. 43: 2025/02/05
51: B66C; B66D
71: JACOBS, Pieter Daniel
72: JACOBS, Pieter Daniel
33: ZA 31: 2023/09573 32: 2023-10-13
54: A Cable Handling and Steel Rope Uncoiling Apparatus and a Method of Handling a Cable or Steel Rope
00: -
A cable handling apparatus is configured for handling wire cable or steel rope and has a cable clamp configured to engage and clamp an end of the wire cable and a handle configured to be held or grasped by one or two users, the handle being longitudinally spaced apart from the cable clamp along a longitudinal axis. There is a rotary interface configured to interconnect the cable clamp and the handle and to permit rotation of the cable clamp about the longitudinal axis relative to the handle.



21: 2024/05986. 22: 2024/08/02. 43: 2025/02/06
51: C07D; A61K; A61P
71: TRANSTHERA SCIENCES (NANJING), INC.
72: LI, LIN, WU, FRANK
33: CN 31: 202210015699.3 32: 2022-01-07
33: CN 31: 202210563248.3 32: 2022-05-20
33: CN 31: 202210015181.X 32: 2022-01-07
33: CN 31: 202210895164.X 32: 2022-07-26
33: CN 31: 202211093807.5 32: 2022-09-08
54: NLRP3 INFLAMMASOME INHIBITOR AND USES THEREOF
00: -
The present application belongs to the technical field of medicines, relates to an NLRP3 inflammasome inhibitor and the uses thereof, and particularly relates to a compound represented by general formula (A) or a pharmaceutically acceptable salt, a stereoisomer and a tautomer thereof. The inhibitor has biological activity on NLRP3 inflammasome, and has important clinical development value for treatment of NLRP3-related diseases.

21: 2024/06022. 22: 2024/08/05. 43: 2025/02/06
51: C07K; C12N
71: DCM Shriram Limited
72: DODDA, Santosh Kumar, SEELAM, Lavanya, PARIHAR, Dwarkesh Singh, VERMA, Paresh Kumar
33: IN 31: 202211000823 32: 2022-01-06
54: INSECTICIDAL PROTEIN AND USES THEREOF
00: -

Disclosed herein are novel vegetative insecticidal proteins (Vip) from *Bacillus thuringiensis*, nucleotide sequences encoding the proteins, and primers for the identification of the genes encoding the said proteins active against insect pests. The Vip proteins disclosed herein exhibits activity against a wide range of insect pests including, but not limited to the insect pests belonging to Lepidoptera. The nucleotide sequences encoding the said Vip proteins can be used to transform various prokaryotic and eukaryotic organisms including plants to express one or more Vip proteins. These recombinant organisms can be used to control a wide range of insect pests including but not limited to lepidopteran insects.

21: 2024/06024. 22: 2024/08/05. 43: 2025/02/06
51: C01B
71: Dr. Stefan Henschen
72: Dr. Stefan Henschen
33: DE 31: 10 2022 102 326.5 32: 2022-02-01
54: METHOD FOR REDUCING THE GLOBAL GREENHOUSE EFFECT
00: -
The invention relates to a method for reducing the global greenhouse effect, in which a gas that is inactive for long-wave radiation is introduced into the Earth's atmosphere, preferably the troposphere, thereby increasing the total volume of the Earth's atmosphere. According to the invention, in order to provide an alternative method for reducing the global greenhouse effect, a mass of climate-damaging gases contained in the Earth's atmosphere remains constant, such that the increase in the total volume brings about a relative reduction in the content of climate-damaging gases in the Earth's atmosphere relative to the total volume of the Earth's atmosphere.

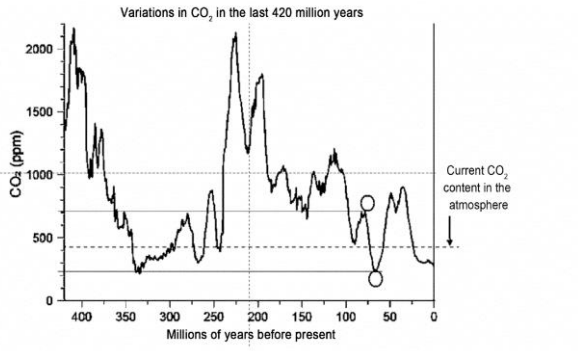
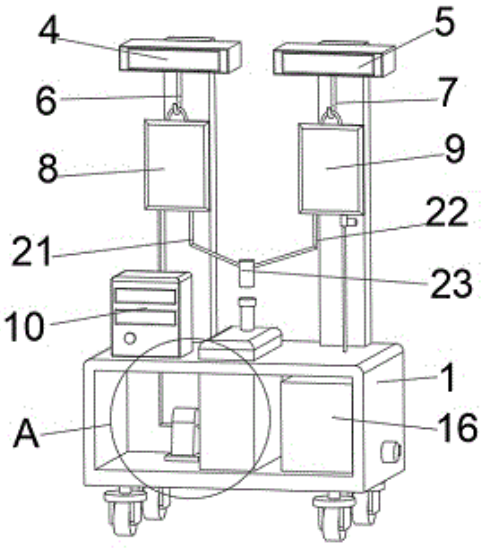


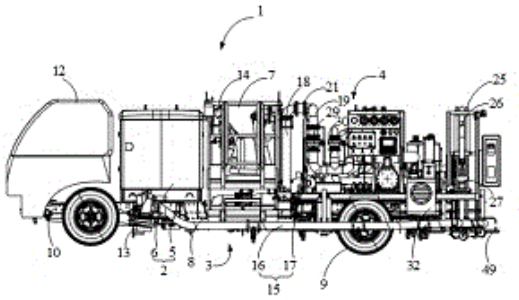
Figure 2 (source: Foster, G., Royer, D. & Lunt, D. Future climate forcing potentially without precedent in the last 420 million years. Nat Commun 8, 14845 (2017), markings added)

21: 2024/06038. 22: 2024/08/06. 43: 2025/02/07
51: A61M
71: BINHAIWAN CENTRAL HOSPITAL OF DONGGUAN
72: ZHONG, HANPING, LI, HUI, ZHENG, JINTIAN, LUO, JINGYI, WEI, GENSHEN , WANG, XIUHONG , ZHONG, JINGYUAN
33: CN 31: 2024213068054 32: 2024-06-11
54: AUTOMATIC FLUID EXCHANGE DEVICE FOR PERITONEAL DIALYSIS
00: -
An automatic fluid exchange device for peritoneal dialysis includes a base. The base is fixed with a first support frame and a second support frame, the first support frame is fixed with a first weighing machine, the second support frame is fixed with a second weighing machine, the first and second weighing machines are respectively fixedly installed with a first hook and a second hook, the first hook is hung with a dialysis infusion bag, and the second hook is hung with a dialysis waste liquid bag. Therefore, separate weighing calculation on the dialysis infusion bag and the dialysis waste liquid bag can be carried out respectively, and the user can know the weight data, and the record of the dialysis infusion bag and the dialysis waste liquid bag is realized for reference in subsequent treatment.

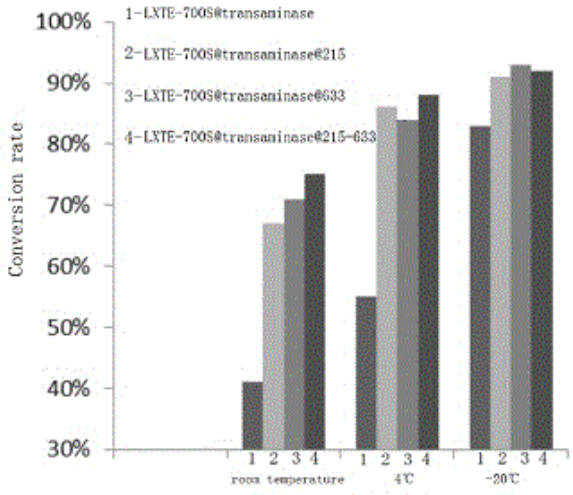


21: 2024/06050. 22: 2024/08/06. 43: 2025/02/07
51: B64F
71: SHANGHAI CHENGFEI AVIATION SPECIAL EQUIPMENT CO., LTD
72: WANG, LEI, HUANG, HAIPIN, YU, BIN, GUAN, DASHENG, HUANG, TINGTING
33: CN 31: 202210043539.X 32: 2022-01-14
54: HYDRANT DISPENSER
00: -
A hydrant dispenser, comprising an electric chassis, a refueling line assembly and an upper body assembly. The electric chassis comprises a chassis frame and a battery pack. The upper body assembly is assembled on the chassis frame. The upper body assembly comprises a lifting platform. The refueling

line assembly comprises a hydrant pit coupler, a refueling coupler and an oil conveying pipe. The refueling coupler is configured to connect to a refueling port of an aircraft. The hydrant pit coupler is detachably connected to the chassis frame. The refueling coupler is detachably connected to the lifting platform.



21: 2024/06052. 22: 2024/08/06. 43: 2025/02/07
51: C12N
71: ANQING ROUNDCARE PHARMACEUTICAL CO., LTD
72: RAO, JINGWEI, WANG, HAIYONG, YUE, YONGLI, SHEN, YANYANG, LU, FEI, LIN, LI, YU, BING
33: CN 31: 202210330110.9 32: 2022-03-28
54: METHOD FOR PREPARING IMMOBILIZED ENZYME HAVING HIGH STABILITY
00: -
A method for preparing an immobilized enzyme having stability. The method comprises: adding amino resin LXTE-700S into a crude enzyme solution for filtration, and then adding a boric acid buffer solution and pyridoxal phosphate, and carrying out an oscillation reaction; and finally, adding a long-range cross-linking agent and a short-range cross-linking agent, carrying out an oscillation reaction and then vacuum filtration to obtain the immobilized enzyme having high stability. The epoxy-based cross-linking agent is a mixture of a polyethylene glycol diglycidyl ether long-range cross-linking agent and a glycerol triglycidyl ether short-range cross-linking agent. The method for preparing the immobilized enzyme involves simple operations, and allows the storage and service life of the immobilized enzyme to be markedly prolonged.

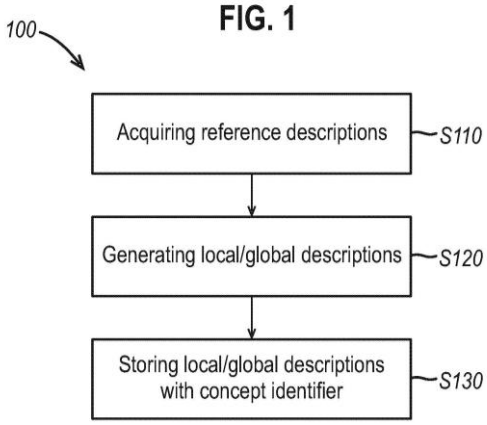


21: 2024/06069. 22: 2024/08/07. 43: 2025/02/12
51: A61L G01N
71: COLQUÍMICA-INDÚSTRIA NACIONAL DE COLAS, S.A.
72: FRUTUOSO, Cristina, Isabel, Fernandes, SOARES, Pedro, PIMENTA, Ana
33: PT 31: 117766 32: 2022-01-28
33: PT 31: 117775 32: 2022-02-03
54: HOT MELT ADHESIVE TO DETECT ANALYTES IN URINE
00: -
The present invention relates to a hot melt adhesive for personal hygiene disposable articles with the ability to detect the presence of analytes in urine, indicative of urinary tract pathologies. The present invention enables an early detection of potential health complications so patients can be immediately directed to a general practitioner, avoiding any further health consequences. The hot melt adhesive is comprised of a polymeric component, a resin component, a plasticiser component, a surfactant component, a reagent component, and an antioxidant component. The present invention also describes the production and application process of the hot melt adhesive due to its light sensitive character.

21: 2024/06083. 22: 2024/08/07. 43: 2025/02/12
51: G06F
71: Blue Prism Limited
72: SENSOY, Murat
33: EP(GB) 31: 22155721.8 32: 2022-02-08
54: METHODS AND SYSTEMS FOR REIDENTIFICATION IN A USER INTERFACE
00: -

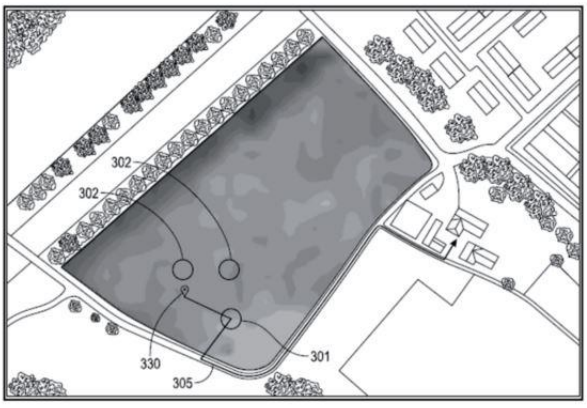
There is provided a method (100) for performing description mining for a concept. The method comprises: acquiring (S110) a plurality of reference descriptions, wherein each of the plurality of reference descriptions is associated with a user interface (III) element corresponding to a type of III element represented by the concept; generating (S120), based on the plurality of reference descriptions, at least one of a local description for the concept and a global description for the concept, wherein the local description for the concept comprises a description component that is specific to a respective III, and wherein the global description for the concept comprises a description component that is not specific to a III; and storing (S130) the at least one of generated local description and global description such that it is associated with a concept identifier corresponding to the concept.

FIG. 1



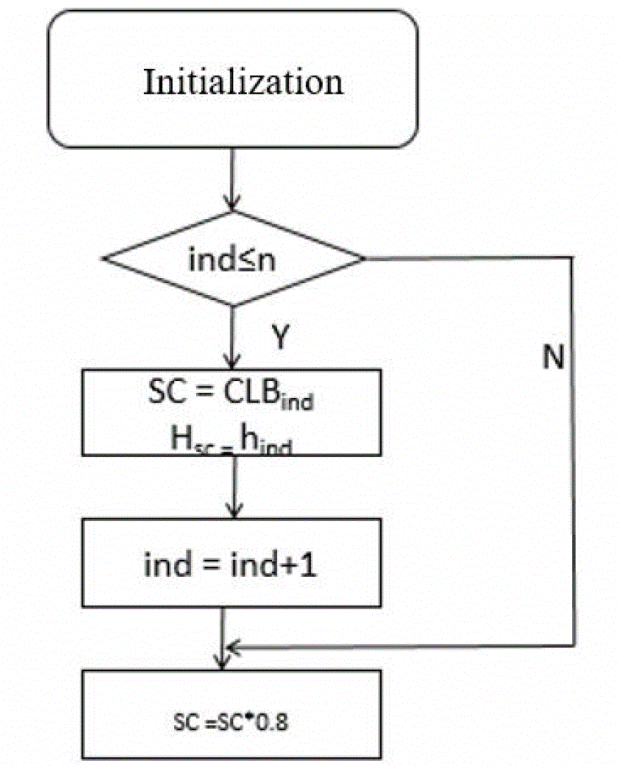
21: 2024/06093. 22: 2024/08/08. 43: 2025/02/24
51: A01G
71: Pomology Institute of Shanxi Agricultural University
72: XI Haiyuan, LIANG Suoxing, ZHANG Mingli, LI Liang, HOU Dongmei, CAO Yang, YANG Ping
54: ANTI-SHRIVELLING METHOD OF OF HAZELS
00: -
The invention discloses an anti-shrivelling method of of hazels, which comprises the following steps: variety selection: selecting a hazel variety with strong anti-shrivelling resistance which is suitable for the climate conditions of a planting area; planting management: making ridge for planting after soil preparation and ploughing; nutrient management and pruning: after planting, phosphate fertilizer and potassium fertilizer are applied first, nitrogen fertilizer is applied after 2-3 months, foliar fertilizer is sprayed, main and lateral branches are cut short, and the long branches, strong branches and extra-long branches are removed, and the sprout tillers are removed; after defoliation in autumn, decomposed farm manure is applied to the peripheral ditch of tree roots, and branches are pruned in early December, and polyvinyl alcohol liquid is applied to the surface of annual branches and the cut of pruned branches. According to the technical scheme of the invention, from variety selection to planting management, the planting means are optimized in all aspects, and the hazel is effectively prevented from being stripped.

21: 2024/06105. 22: 2024/08/08. 43: 2025/02/25
51: A01B; A01C
71: YARA INTERNATIONAL ASA
72: JASPER, Jörg, HARRIMAN, Miles
33: EP 31: 22161884.6 32: 2022-03-14
54: METHOD AND SYSTEM FOR PROVIDING MEASUREMENT REGIONS FOR PROVIDING A FERTILIZER RECOMMENDATION
00: -
System and method for providing at least one first (301) and at least one second (302) measurement region for carrying out a measurement of a crop nutrient content for providing a fertilizer recommendation by means of remote spectral data. Different embodiments for determination of the measurement regions regarding specific locations and field conditions are disclosed.



21: 2024/06142. 22: 2024/08/12. 43: 2025/02/13
51: G06F
71: CHINA ROAD & BRIDGE CORPORATION, Xi 'an University of Architecture and Technology

72: Ruiping MA, Jiannan ZHANG, Tao CHEN, Huace TAO, Ping ZHOU, Zhanping SONG, Xu LI, Jiefeng ZHANG, Huixing LI, Jing ZHANG, Cong CHEN
33: CN 31: 2023117752207 32: 2023-12-22
54: OPTIMIZATION METHOD FOR BLASTING DESIGN PARAMETERS BASED ON AN IMPROVED CNN
00: -
The present invention relates to the technical field of engineering blasting safety, in particular to an optimization method for blasting design parameters based on an improved CNN, including the following steps: step 1, combining the field rock properties and the engineering requirements to determine the required blasting parameters; step 2, conducting field tests during the actual excavation process and collecting blasting data; step 3, placing the test blasting data into an improved CNN model for analysis to generate an optimized blasting plan; step 4, adjusting the test blasting parameters according to the result of step 3; step 5, conducting tests again on the adjusted blasting parameters and re-collecting field data; step 6, comparing the test results to evaluate the optimization effect of the blasting parameters; and step 7, continuously optimizing the blasting parameters with poor optimization effects. The problem of tunnel blasting parameters mainly relying on the experience of field personnel and some qualitative analysis is solved, which has great randomness and poor reliability, and cannot meet the quality requirements of tunnel blasting.



21: 2024/06197. 22: 2024/08/13. 43: 2025/02/13
51: E01D; E04G
71: China Railway 15th Bureau Group Corporation Limited
72: HUANG, Changfu, CAO, Zhenjie, SUN, Dandan, HUANG, Wei, LI, Hongwei
33: CN 31: 202210136925.3 32: 2022-02-15
54: CONSTRUCTION METHOD FOR QUICK-RELEASE CURVED SUPERIMPOSED BEAM FLANGE PLATE FRAMEWORK STRUCTURE
00: -
A construction method for a quick-release curved superimposed beam flange plate framework structure, comprising the following steps: transferring steel box girders (10) to designed positions; completing the assembly of framework structures each comprising adjustable bottom supports (2), ringlock brackets (1), adjustable top supports (4), and standardized formwork modules (11) which are sequentially provided from bottom to top; translating the framework structures to positions below a flange of a bridge deck to be poured (9) and on the outer sides of the steel box girders (10); sequentially adjusting arrangement orientations of the framework structures according to the shape of the curved superimposed beam, and embedding fan-shaped formwork modules (12) between every adjacent

standardized formwork modules (11) and carrying out connection; using the adjustable top supports (4) to adjust the standardized formwork modules (11) and the fan-shaped formwork modules (12) to designed height positions; and completing the pouring of the bridge deck (9) under the support of the framework structures. The standardized formwork modules (11) are standard universal components and can be recycled. The fan-shaped formwork modules (12) can adjust the shape of a curve, and upper and lower steel plates (14, 15) hingedly connected to fan-shaped bamboo plywoods (7) of the fan-shaped formwork modules (12) can form grooves to facilitate connection.

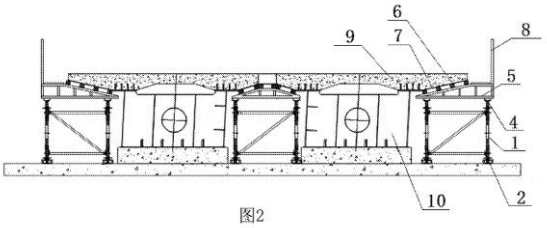
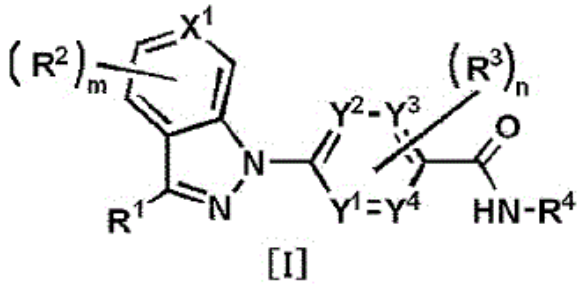


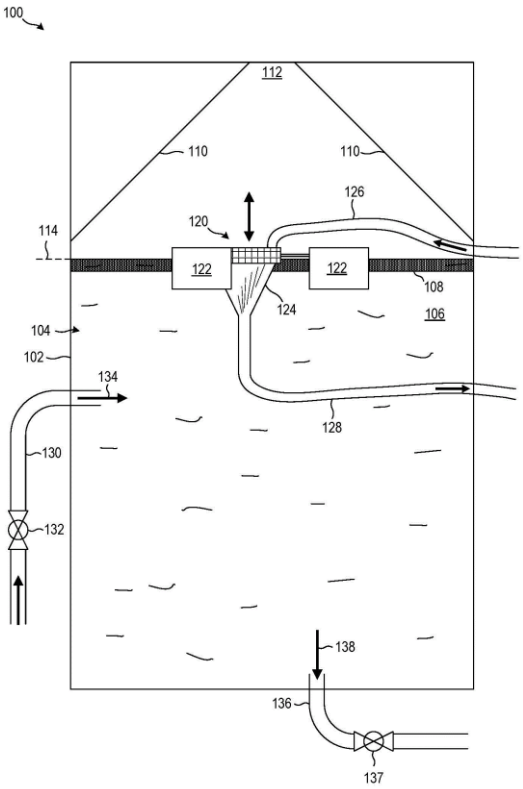
图2

21: 2024/06229. 22: 2024/08/14. 43: 2025/02/19
51: C07D; A61K; A61P
71: JAPAN TOBACCO INC.
72: NAGAMOTO, YUKI, TAKAGI, MASAKI, MATSUMURA, KOJI, ITO, HIROTSUGU, ITO, KEISUKE, OYAMA, YUKI
33: JP 31: 2022-185318 32: 2022-11-18
33: JP 31: 2022-029771 32: 2022-02-28
54: INDAZOLE COMPOUND AND PHARMACEUTICAL USE THEREOF
00: -
The purpose of the present invention is to provide a compound that exhibits an H-PGDS inhibitory activity. The present invention relates to a compound expressed by formula [I] or a pharmaceutically acceptable salt thereof (in the formula, each reference sign is as defined in the specification).



[I]

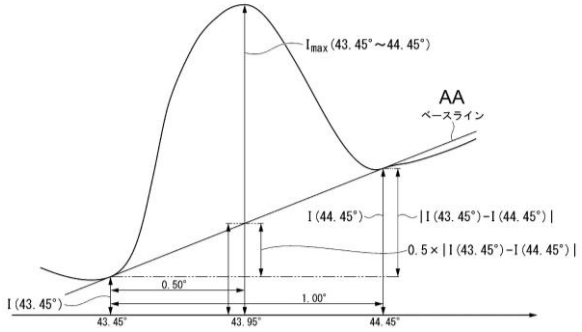
21: 2024/06234. 22: 2024/08/14. 43: 2025/02/19
51: B01D; C02F
71: ECO CLARITY LTD.
72: CLEMES, Christopher Charles
33: ZA 31: 2022/01032 32: 2022-01-24
54: A FOG (FATS, OILS, OR GREASE) SEPARATION APPARATUS
00: -
A FOG (Fats, Oils, or Grease) separation apparatus includes a vessel defining a cavity to contain liquid comprising wastewater and FOG, the vessel having an upwardly inwardly inclined side or top wall so that the cavity tapers inwardly towards a top section. A floating weir is operable to float on the liquid within the vessel and configured to collect or separate lighter FOG from heavier wastewater. A liquid level control mechanism is configured to control a liquid level within the vessel, such that (1) when the liquid level is higher, a surface area of the liquid will be smaller due to the inwardly tapering cavity and the FOG will be concentrated in the smaller surface area and (2) when the liquid level is lower, the surface area of the liquid will be larger, and the FOG will be distributed in the larger surfaces area.



21: 2024/06274. 22: 2024/08/15. 43: 2025/02/19

51: C22C; C23C
71: NIPPON STEEL CORPORATION
72: TOKUDA, Kohei, SAITO, Mamoru, GOTO, Yasuto, NAKAMURA, Fumiaki
33: JP 31: 2022-024940 32: 2022-02-21
54: HOT-DIP PLATED STEEL MATERIAL
00: -

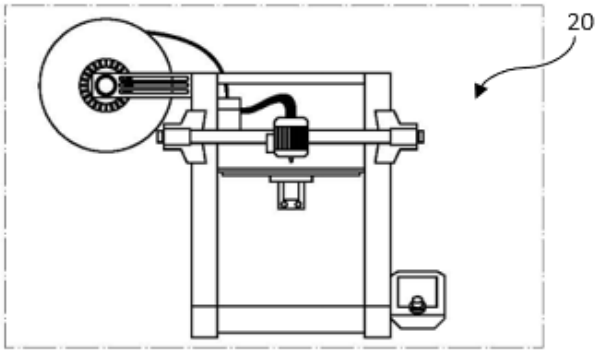
The present invention is a hot-dip plated steel material having a plating layer on the surface of a steel material, the plating layer comprising over 22.5% and up to 50.0% of Al, over 3.0% and up to 15.0% of Mg, 0.03-0.6% of Ca, 0.03-1.0% of Si, and 2-25% of Fe, with the remainder made up by Zn and impurities. In an X-ray diffraction pattern of the plating layer surface, measured under conditions in which a Cu-Kα ray is used and the X-ray output is 50kV and 300 mA, I_1 obtained from the X-ray diffraction peak of $Al_{0.5}Fe_{1.5}$ is 1.1 or above, and I_2 obtained from the X-ray diffraction peaks of Zn, Al, and $MgZn_2$ is 0.25 or below.



AA Base line

21: 2024/06300. 22: 2024/08/16. 43: 2025/02/20
51: A44C; B29B; B29C; Y02A
71: OCEANSA (PTY) LTD.
72: DU PREEZ, EZRA MISONNE
33: ZA 31: 2023/08751 32: 2023-09-14
54: JEWELLERY MANUFACTURING PROCESS
00: -

A method for making plastic-based jewellery is disclosed comprising harvesting plastic trash from a body of water; sorting, cleaning, and shredding said plastic trash; admixing dried and crushed seaweed particles to said shredded plastic trash to form a plastic and seaweed mass; and operating a 3D printer to accept a feed of plastic and seaweed mass; and read a selected computer aided design jewellery model from a computer file and lay down, by passing extruded molten plastic and seaweed mass through a nozzle which the printer moves around precisely under computer control, successive layers of material to build the jewellery model from a series of cross sections.



21: 2024/06318. 22: 2024/08/16. 43: 2025/02/20
51: A61K; C07D; A61P
71: GILEAD SCIENCES, INC.
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: 2022-03-17
33: US 31: 63/386,605 32: 2022-12-08
54: IKAROS ZINC FINGER FAMILY DEGRADERS AND USES THEREOF
00: -

The present disclosure relates generally to compounds that bind to and act as degraders of an IKAROS Family Zinc Finger (IKZF) protein, such as IKZF2 (Helios) and/or IKZF4 (Eos). The disclosure further relates to the use of the compounds for the preparation of a medicament for the treatment of diseases and/or conditions through binding and degradation of an IKZF protein, such as IKZF2 and/or IKZF4, including cancer.

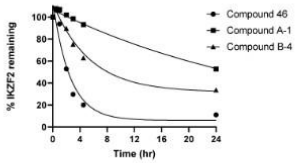


FIG. 1A

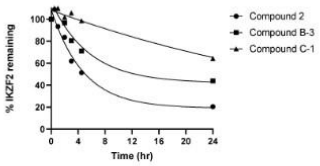
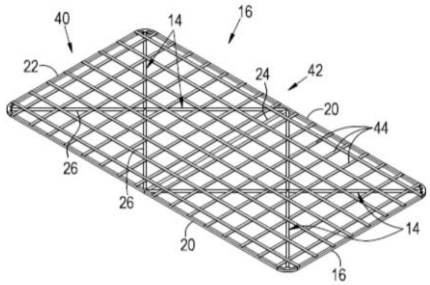
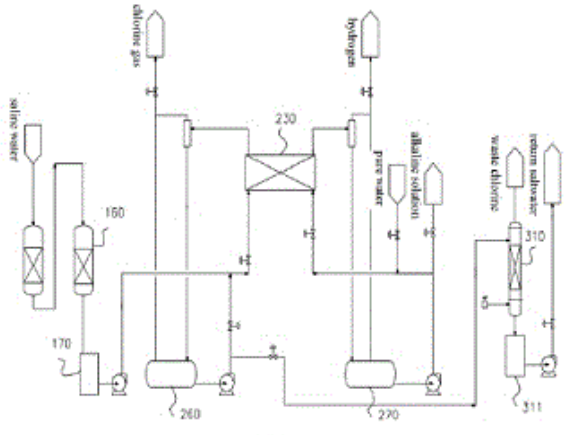


FIG. 1B

21: 2024/06347. 22: 2024/08/19. 43: 2025/02/20
51: E21D; E21F
71: NIXON, Timothy Edward Piggott
72: NIXON, Timothy Edward Piggott
33: ZA 31: 2023/07506 32: 2023-07-28
54: SAFETY NET
00: -
A method of installing a net in a subterranean excavation includes securing the net to a support surface at a position at or adjacent to a periphery of the net and providing at least one pretensioned elastically deformable support element which extends at least part way across the net and inhibits sagging of the net. A support device includes a net which is securable adjacent to a support surface and at least one elastically deformable support element which is connected to the net at spaced apart positions and extends at least part way across the net, the elastically deformable element being configured to be in an extended configuration when the net is installed in order to inhibit sagging of the net, in use.

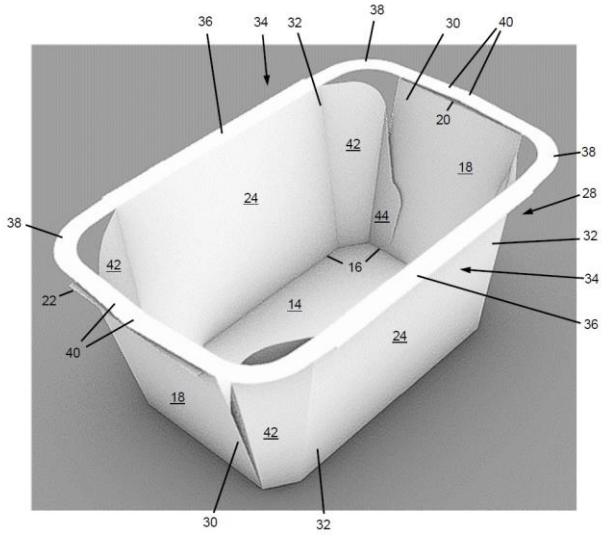


21: 2024/06365. 22: 2024/08/19. 43: 2025/02/25
51: C25B
71: BLUESTAR (BEIJING) CHEMICAL MACHINERY CO., LTD
72: WANG, GANG, SHAN, MINGYUE, PEI, YUNTONG, HUANG, TANGJUAN, WAN, YANG
33: CN 31: 202210094424.3 32: 2022-01-26
54: ELECTROLYSIS DEVICE WITH A SKID-MOUNTED STRUCTURE
00: -
This application discloses an electrolysis device with a skid-mounted structure, comprising: at least one skid-mounted unit, a first type electrolytic treatment equipment, connecting pipelines, and connectors, the skid-mounted unit and the first type electrolytic treatment equipment are fixedly mounted on a designated site in sequence according to the flow direction of electrolytic fluid after electrolytic treatment, the distance between the skid-mounted units, and/or between the skid-mounted units and the first type electrolytic treatment equipment, and/or between the first type electrolytic treatment equipment to be connected through the connecting pipelines, are maintained within a set range, two or more said skid-mounted units associated with electrolytic treatment, and/or said skid-mounted units and said first type electrolytic treatment equipment associated with electrolytic treatment, and/or two or more said first type electrolytic treatment equipment associated with electrolytic treatment, are connected through said connecting pipelines and connectors. This application improves the mounting efficiency of the electrolysis device and reduces mounting and maintenance costs.

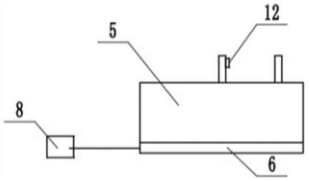


21: 2024/06377. 22: 2024/08/20. 43: 2025/04/01
51: B65D
71: APL Cartons (Pty) Ltd

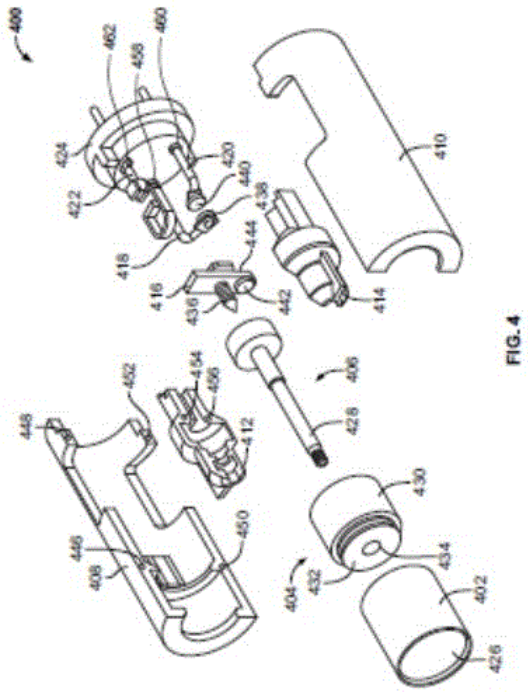
72: PORTWIG, Heinrich
33: ZA 31: 2023/08171 32: 2023-08-24
54: CONTAINER AND METHOD OF ERECTING A CONTAINER
00: -
A container (10) is erected from a blank and has a floor (14) and four walls (18,24) that meet at four corners (28). Each side wall (24) has U-shaped flange (34) at its top, that extends across the corner (28) and is attached to a top flange (22) of the adjacent end wall (18). A corner flap (42) extends from each side wall (24), across a corner (28) to the adjacent end wall (18).



21: 2024/06403. 22: 2024/08/21. 43: 2025/03/17
51: B07C
71: Zhejiang University of Science And Technology
72: YE, Yuesong, FENG, Xi, CAI, Chenggang, YU, Aihua, SHI, Yang, RAO, Zhongwei
54: PEARL GRADING APPARATUS
00: -
The present invention discloses a pearl grading apparatus, and relates to the technical field of grading devices. The pearl grading apparatus includes a measuring apparatus, a weighing apparatus, a natural pearl grading tray, a nucleated pearl grading tray, and a reject discharging tray. The weighing apparatus includes a first weighing turntable, a second weighing turntable, and a weighing platform, where first blocking edges are provided at edges of a top surface of the weighing platform, and a first gap is arranged on the first blocking edge. The natural pearl grading tray, the nucleated pearl grading tray, and the reject discharging tray are provided around the weighing platform. The present invention can distinguish nucleated pearls from natural pearls and grade the pearls more accurately.

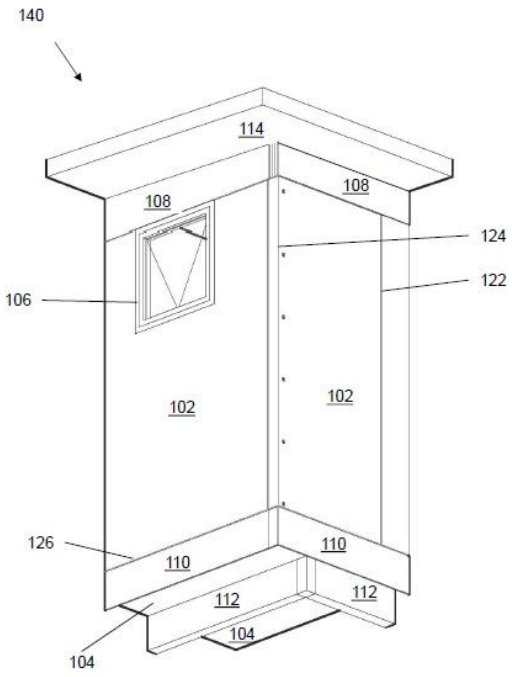


21: 2024/06434. 22: 2024/08/22. 43: 2025/02/12
51: H01H
71: General Equipment and Manufacturing Company, Inc. d/b/a Topworx, Inc.
72: LAFOUNTAIN, Robert L., KLOSTERMAN, Anthony Wayne, SIMMONS, Michael John
33: US 31: 62/965,629 32: 2020-01-24
54: HIGH TEMPERATURE SWITCH APPARATUS
00: -
High temperature switch apparatus are disclosed. An example apparatus includes a ceramic contact base having an opening therein configured to removably receive a contact, a first ceramic plunger housing portion and a second ceramic plunger housing portion, the first ceramic plunger housing portion including a first protrusion, the second ceramic plunger housing portion including a first recess, the first recess to receive the first protrusion, and a first ceramic contact housing portion and a second ceramic contact housing portion, the first ceramic contact housing portion including a second protrusion and a first cavity, the second ceramic contact housing portion including a second recess and a second cavity, the first ceramic plunger housing portion, the second ceramic plunger housing portion, and the ceramic contact base configured to be coupled in between the first and second cavities when the second recess receives the second protrusion.



21: 2024/06452. 22: 2024/08/22. 43: 2025/03/03
51: A61J; A61K; A61M; A61P
71: REDDRESS LTD.
72: KUSHNIR, Alon
33: IL 31: 290122 32: 2022-01-25
54: A COAGULATION MOLD, A KIT AND A METHOD FOR PREPARING A COAGULATED BLOOD MASS
00: -
The present disclosure provides a method, a coagulation mold and a kit for preparing a coagulated blood mass having a desired shape and volume. The coagulated blood mass is prepared from whole blood being withdrawn from a subject. The whole blood is mixed with coagulation initiators, i.e. coagulation agents or anti-anti coagulation agents, in a specific amount and having specific characteristics in order to obtain the coagulated blood mass with optimal parameters, such as stability, moisture, homogeneousness, namely the texture of the clot is substantially similar at any portion thereof, etc. This is obtained, inter alia, by selecting particle size of one of the coagulation initiators such as to yield more rapid dissolving within the blood and/or to yield improved suspension of the particles in the blood when it is still in a liquid form. Another parameter to yield the desired coagulated blood mass of the present invention is the selected amount of material of coagulation initiator to be mixed with the whole blood. By controlling theses parameters, an optimal coagulated blood mass is obtained that can be used for treatment of the human body, e.g. for treating skin lesions, internal injuries, such as anal fistula, stoma cavity, damaged tendon, and others.

21: 2024/06471. 22: 2024/08/23. 43: 2025/03/03
51: E04B
71: BOXA POSSIBILITIES (PTY) LTD
72: LEWIS, Anthony Charles
54: BUILDING SYSTEM
00: -
The disclosure provides a building system 140 and a method of building a structure incorporating the building system 140. The building system 140 includes a floor panel 104 and a wall panel 102 supported by a sub-frame 112. The wall panel 102 may be a composite wall panel. The wall panel 102 may include cross-laminated timber (CLT) layers 404 with a fibre cement sheeting 402 directly bonded to the surface of the CLT layer. A lowermost portion of fibre cement sheeting forms a skirt 110, partially obstructing view of conduits and services 504 beneath the floor panel 104. The sub-frame 112 is mounted on a footing system 150, raising the structure above the ground. The method of building a structure includes mounting one or more wall panels 102 to the floor panel 104 and mounting the skirt around a lowermost portion of the wall panels 102.

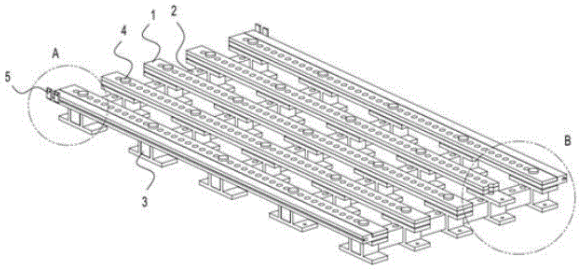


21: 2024/06491. 22: 2024/08/23. 43: 2025/03/07
51: A23B
71: Wuhu Institute of Technology
72: GU, Xin, XU, Liying, LIU, Wei, XU, Hui, JI, Kewen, WANG, Kai, MENG, Xue, XIE, Nan, TAO, Ye, TONG, Tingting, YANG, Qian, XIANG, Qing, CHEN, Long, CHEN, Zhao, JIANG, Shuhua, PAN, Yue, YU, Ruoting, JI Yuze

54: A KIND OF RICE PADDY DRYING DEVICE

00: -

The present invention discloses a rice paddy drying device, relates to the field of grain drying equipment, including transverse grill, longitudinal grill, said transverse grill and said longitudinal grill are vertically staggered, said longitudinal grill is provided with a fixed bracket, said fixed bracket is connected to the underside of the transverse grill by bolts, said transverse grill is divided into upper and lower layers, said longitudinal grill passes through the fixed bracket and is connected by bolts. On the fixed bracket, the outermost position of both sides of said transverse grill is provided with a sliding shelter, said sliding shelter is provided with a shelter cloth, said shelter cloth can form a shelter for the paddy below when unfolding, the present invention can make the paddy placed on the drying pad far away from the ground through the setup of the fixed bracket and the drying mat, not only preventing the paddy from moisture caused by ground humidity and dampness but also The bottom of the paddy is ventilated to improve the drying efficiency.

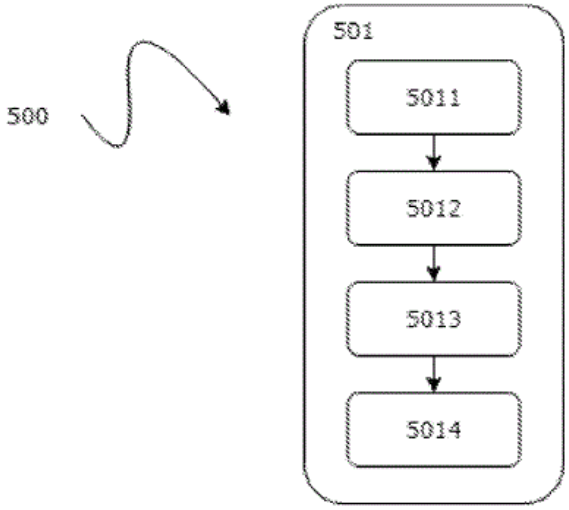


21: 2024/06596. 22: 2024/08/27. 43: 2025/03/10
51: G01C; G05D; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: GENERATING AN ADJUSTMENT RESOURCE-EFFICIENT TRACK

00: -

The proposed invention relates to methods for controlling resource consumption by a motor vehicle and can be used in transportation industry. The method comprises the following steps: a step (101) of forming an estimated track for the first motor vehicle; a step (102) of adjusting the estimated track for the first motor vehicle; a step (103) of evaluating the passing of a portion of the route by the first motor vehicle; a step (104) of forming an estimated track for the vehicle in operation; al step (105) of adjusting the estimated track for the vehicle in operation; a step (106) of evaluating the passing of a portion of the route by the vehicle in operation; a step (107) of generating a track database. The invention is directed to reduce resource consumption by the motor vehicle moving along a portion of the route in an urban area taking into account other vehicle' s trajectories.

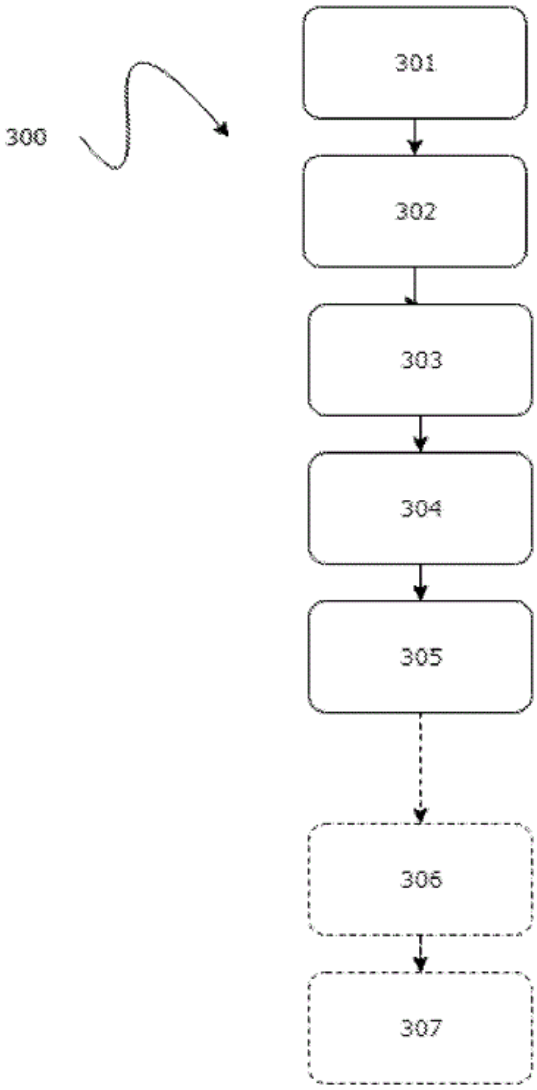


21: 2024/06597. 22: 2024/08/27. 43: 2025/03/10
51: G01C; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: METHOD FOR GENERATING A RESOURCE-EFFICIENT TRACK FOR A VEHICLE IN OPERATION MOVING ALONG A HIGHWAY

00: -

The proposed invention relates to methods for controlling energy consumption by a motor vehicle, and can be used in transportation industry. The technical problem to be solved by the claimed invention is to provide a method and a non - transitory computer-readable medium that do not possess the drawbacks of the prior art and thus make it possible to generate an accurate resource-efficient track for a motor vehicle that allows to reduce energy consumption by the motor vehicle moving along a highway, including as part of a convoy.



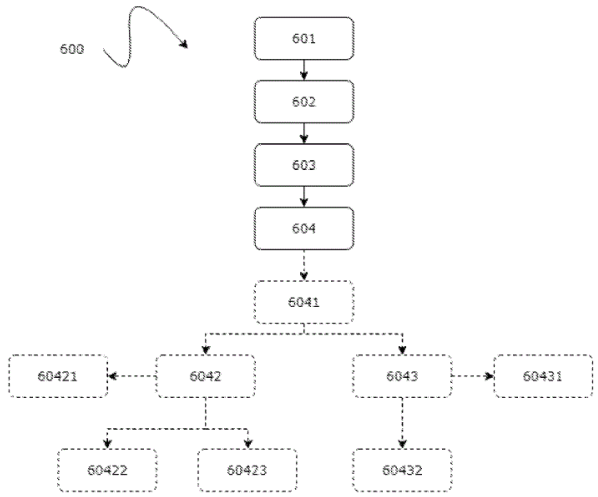
21: 2024/06598. 22: 2024/08/27. 43: 2025/03/10
51: G01C; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: METHOD FOR GENERATING A RESOURCE-EFFICIENT TRACK FOR A VEHICLE

00: -

The proposed invention relates to methods for controlling resource consumption by a motor vehicle. The method comprises at least the following steps: generating the first resource-efficient track for the vehicle in operation moving along a portion of the route in an urban area, the track comprising a speed profile of the vehicle in operation and its trajectory on the portion of the route; detecting a second motor vehicle located on the same portion of the route and

generating an resource-efficient track for the second motor vehicle; comparing the first and the second resource-efficient track for the vehicle in operation motor vehicle; and generating the second resource-efficient track for the vehicle in operation based on the comparison data obtained. The invention is directed to generate an accurate resource-efficient track for a motor vehicle that allows to reduce resource consumption by the motor vehicle moving along a portion of the route in an urban area taking into account other vehicles' trajectories.

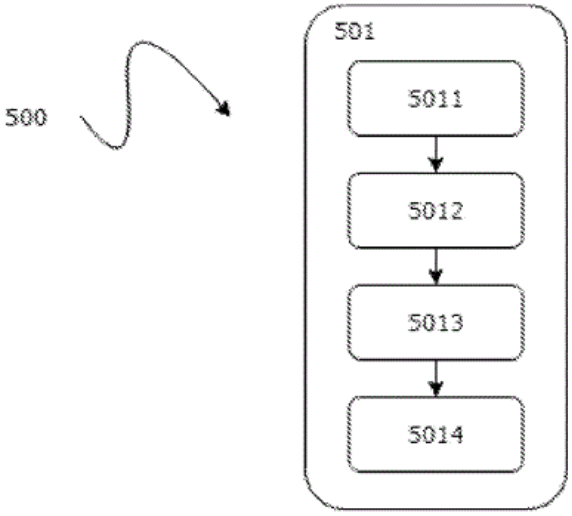


21: 2024/06599. 22: 2024/08/27. 43: 2025/03/10
51: G01C; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: METHOD FOR GENERATING AN ADJUSTMENT RESOURCE-EFFICIENT TRACK FOR A VEHICLE IN OPERATION

00: -

The proposed invention relates to methods for controlling energy consumption by a motor vehicle, and can be used in transportation industry. The technical problem to be solved by the claimed invention is to provide a method, a device, a system, a motor vehicle, and a computer-readable medium that do not possess the drawbacks of the prior art and thus make it possible to generate an accurate adjustment resource-efficient track for a motor vehicle that allows to reduce resource consumption by the motor vehicle on the specific portion of the route, as well as to return the vehicle in operation, after an emergency and/or unexpected stop, back to moving in accordance with the main resource-efficient track.

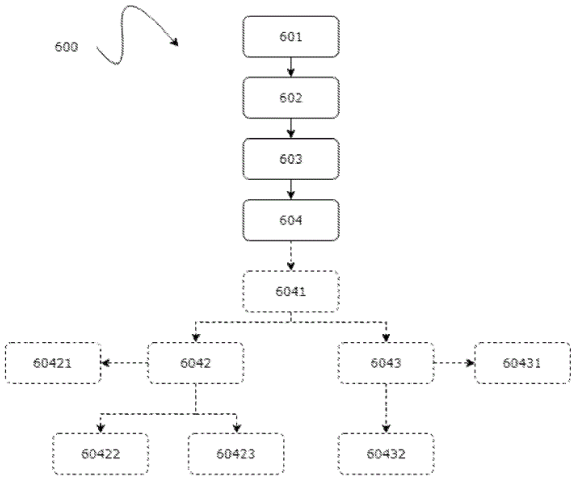


21: 2024/06600. 22: 2024/08/27. 43: 2025/03/07
51: G01C; G08G; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: GENERATING A RESOURCE-EFFICIENT TRACK FOR A VEHICLE

00: -

The proposed invention relates to methods for controlling energy consumption by a motor vehicle, and can be used in transportation industry. The technical problem to be solved by the claimed invention is to provide a method, a device, a system, a motor vehicle, and a computer-readable medium that do not possess the drawbacks of the prior art and thus make it possible to generate an accurate resource-efficient track for a motor vehicle that allows to reduce resource consumption by the motor vehicle moving along a portion of the route that contains a mandatory deceleration point, including portions of the route that are located in urban areas.

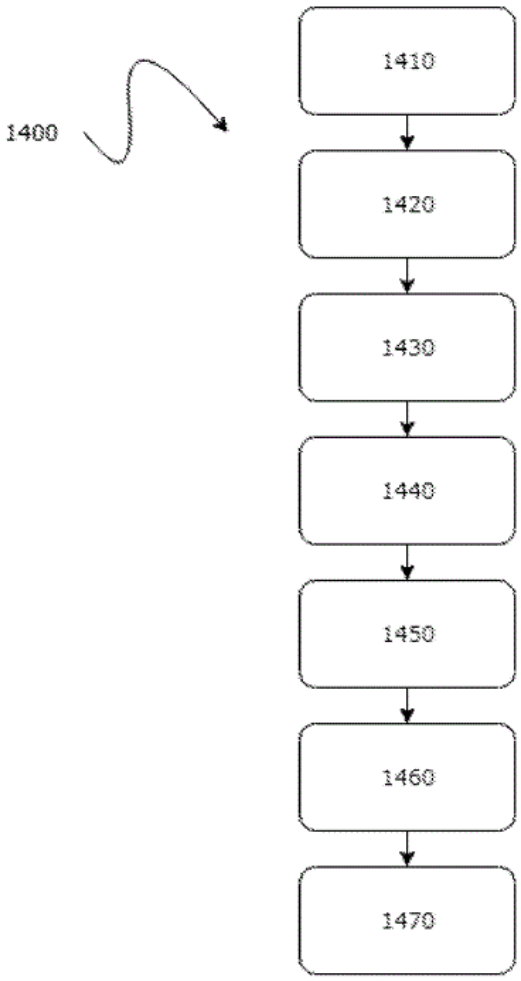


21: 2024/06601. 22: 2024/08/27. 43: 2025/03/10
51: G01C; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: GENERATING A RESOURCE-EFFICIENT TRACK FOR A MOTOR VEHICLE

00: -

The proposed invention relates to methods for controlling energy consumption by a motor vehicle, and can be used in transportation industry. The technical problem to be solved by the claimed invention is to provide a method, a device and a system that do not possess the drawbacks of the prior art and thus make it possible to generate an accurate resource-efficient track for a motor vehicle that allows to reduce energy consumption by the motor vehicle on the specific portion of the route.



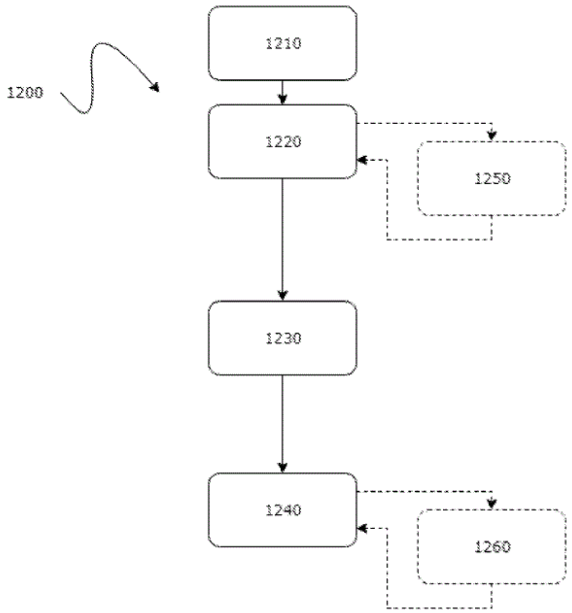
21: 2024/06637. 22: 2024/08/28. 43: 2025/03/05
51: G01C; G05D; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: METHOD FOR GENERATING A RESOURCE-EFFICIENT DRIVING ROUTE FOR THE VEHICLE IN OPERATION

00: -

The proposed invention relates to methods for controlling energy consumption by a motor vehicle, and can be used in transportation industry. The technical problem to be solved by the claimed invention is to provide a method, a device, a system, a motor vehicle, and a computer-readable medium that do not possess the drawbacks of the prior art and thus make it possible to generate a resource-efficient driving route for a motor vehicle using a variety of resource-efficient tracks that allows motor

vehicles to move along these routes in a resource-efficient way.

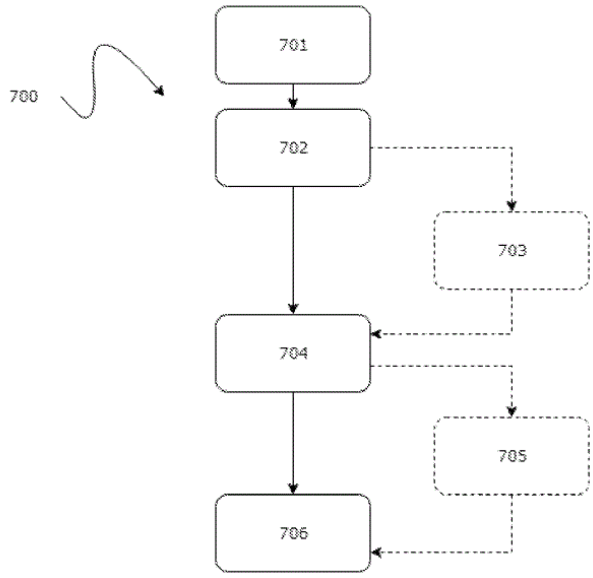


21: 2024/06638. 22: 2024/08/28. 43: 2025/03/05
51: G01C; G05D; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: GENERATING A MODIFIED RESOURCE-EFFICIENT TRACK

00: -

The proposed invention relates to methods for controlling energy consumption by a motor vehicle, and can be used in transportation industry. The technical problem to be solved by the claimed invention is to provide a method, a device, a system, a motor vehicle, and a computer-readable medium that do not possess the drawbacks of the prior art and thus make it possible to generate a modified resource-efficient track based on a non-modified resource-efficient track, thus allowing to reduce the time needed to pass a portion of the route or to increase the time of useful operation of the vehicle.

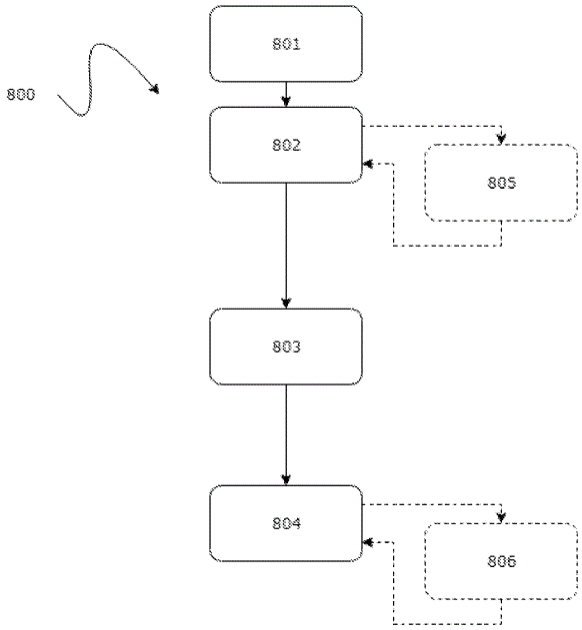


21: 2024/06639. 22: 2024/08/28. 43: 2025/03/05
51: G01C; G05D; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: METHOD FOR GENERATING A RESOURCE-EFFICIENT DRIVING ROUTE

00: -

The proposed invention relates to methods for controlling resource consumption by a motor vehicle, and can be used in transportation industry. The technical problem to be solved by the claimed invention is to provide a method, a device, a system, a motor vehicle, and a computer-readable medium that do not possess the drawbacks of the prior art and thus make it possible to generate a modified resource-efficient driving route for a motor vehicle using a variety of modified resource-efficient tracks that allows motor vehicles to move along these routes in a resource-efficient way, in accordance with user's needs.

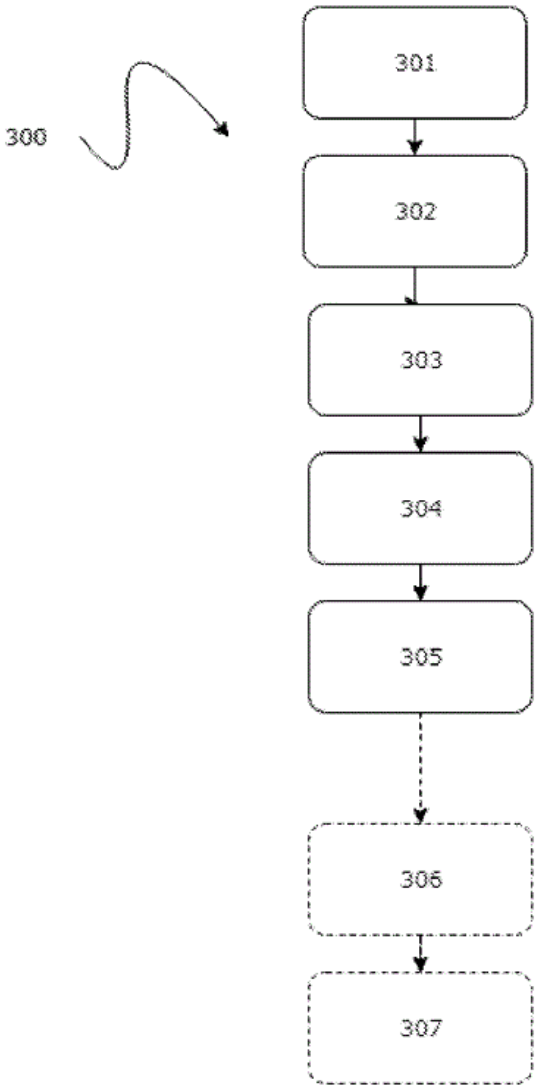


21: 2024/06640. 22: 2024/08/28. 43: 2025/03/05
51: G01C; G05D; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: GENERATING A RESOURCE-EFFICIENT TRACK WITH STOP POINT FOR A VEHICLE IN OPERATION.

00: -

A method for generating a resource-efficient track for the vehicle in operation moving along a portion of the route, comprises: obtaining data associated with the first motor vehicle; data associated with the portion of the route to be passed by the first motor vehicle, and data associated with the second motor vehicle, generating a track for the first motor vehicle, wherein the first motor vehicle stops for a given period of time, generating an estimated track for the second motor vehicle based on the track generated for the first motor vehicle, generating a speed profile of the first motor vehicle on the passed portion of the route, evaluating resource efficiency of the first motor vehicle on the passed portion of the route on the basis of the first motor vehicle stopping at said mandatory stop point for a given period of time. Effect: optimizing energy consumption by the vehicle moving along a portion of the route that contains a mandatory stop point.



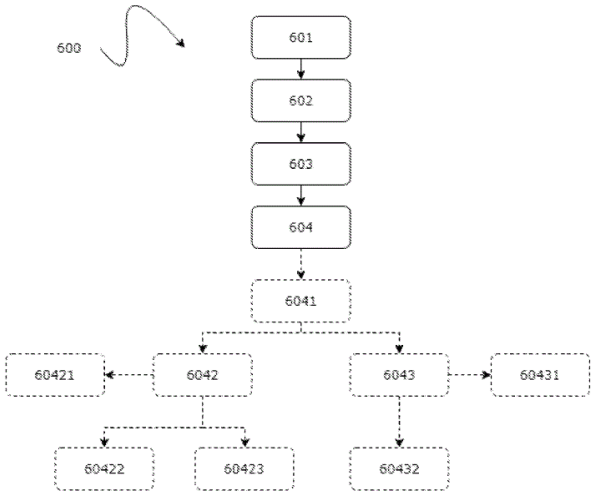
21: 2024/06641. 22: 2024/08/28. 43: 2025/03/05
51: G01C; G05D; B60W
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2022101929 32: 2022-01-28

54: GENERATING A RECUPERATION RESOURCE-EFFICIENT TRACK FOR A VEHICLE IN OPERATION

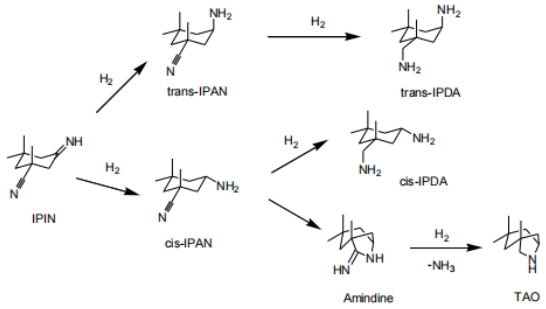
00: -

A method for generating a recuperation resource-efficient track for the vehicle in operation comprises: obtaining data associated with the first motor vehicle equipped with the braking electric recuperation system; data associated with the portion of the route to be passed by the first motor vehicle, and data associated with the second motor vehicle, generating a track for the first motor vehicle, wherein

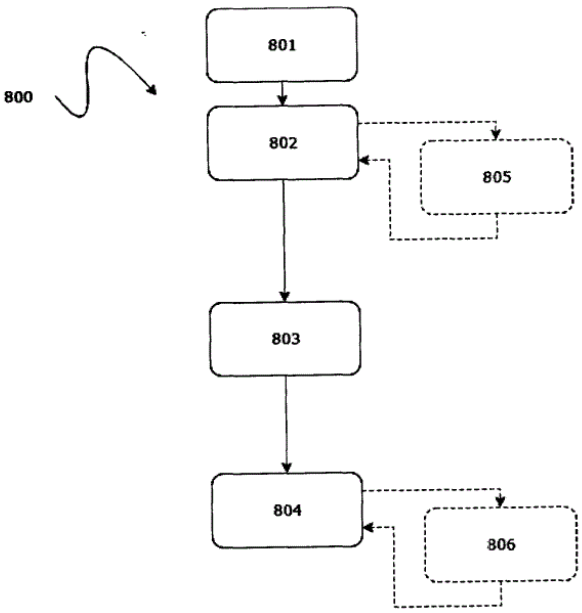
the electric recuperation system is activated when the first motor vehicle is braking, generating an estimated track for the second motor vehicle based on the track generated for the first motor vehicle, generating a speed profile of the first motor vehicle on the passed portion of the route, and evaluating resource efficiency of the first motor vehicle on the passed portion of the route on the basis of efficiency of the braking electric recuperation system of the first motor vehicle. Effect: optimizing energy consumption by the vehicle equipped with a braking electric recuperation system.



21: 2024/06661. 22: 2024/08/28. 43: 2025/03/05
51: B01J
71: SHANDONG NHU FINE CHEMICAL SCIENCE AND TECHNOLOGY COMPANY LTD., ZHEJIANG NHU CO., LTD.
72: Mao Jianyong, Wang Hui, Guo Xia, Chen Zelu, Yang Chuanyu, Li Shoulei
33: CN 31: 2023114811468 32: 2023-11-08
54: CATALYST FOR HYDROGENATION OF AMMONIA UNDER SUPERCRITICAL CONDITION, PREPARATION METHOD AND APPLICATION THEREOF
00: -
Disclosed in the present invention are a catalyst for hydrogenation of ammonia under a supercritical condition, a preparation method and an application thereof. The preparation of the catalyst includes the steps of: (1) uniformly mixing active metals of Co, Mn and Ce with a promoter metal, and heating and melting a mixture to obtain an alloy liquid; (2) pressing the alloy liquid obtained in step (1) into a pore channel of a nested multi-layer hollow porous SiO2 material under a high temperature condition; (3) cooling the SiO2 material pressed with the alloy liquid in step (2) step by step, and lowering a temperature of the SiO2 material to -10-5℃ to prepare a catalyst precursor; and (4) performing in-situ activation on the catalyst precursor obtained in step (3) to obtain a catalyst for hydrogenation of ammonia under a supercritical condition. The catalyst has high catalytic activity and stable structure. In the synthesis of 3-aminomethyl-3,5,5-trimethylcyclohexylamine under a supercritical condition, the catalyst has high selectivity, less by-products and a high cis-trans isomer ratio



21: 2024/06662. 22: 2024/08/28. 43: 2025/03/05
51: G01C; B60W; G06Q
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2021138353 32: 2021-12-22
54: METHOD FOR GENERATING AN ENERGY-EFFICIENT DRIVING ROUTE FOR THE VEHICLE IN OPERATION
00: -
The proposed invention relates to methods for controlling energy consumption by a motor vehicle, and can be used in transportation industry. The technical problem to be solved by the claimed invention is to provide a method, a device, a system, a motor vehicle, and a computer-readable medium that do not possess the drawbacks of the prior art and thus make it possible to generate an energy-efficient driving route for a motor vehicle using a variety of energy-efficient tracks that allows motor vehicles to move along these routes in an energy-efficient way.

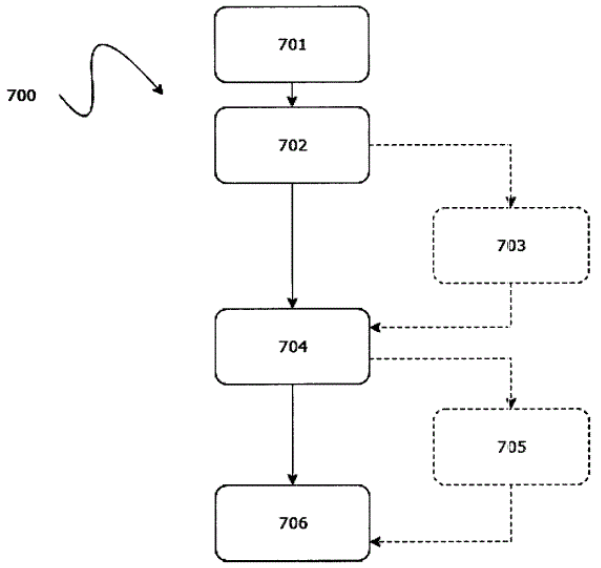


21: 2024/06663. 22: 2024/08/28. 43: 2025/03/05
51: G01C; B60W; G06Q
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2021138351 32: 2021-12-22

54: METHOD FOR GENERATING A MODIFIED ENERGY-EFFICIENT TRACK FOR A VEHICLE

00: -

The proposed invention relates to methods for controlling energy consumption by a motor vehicle, and can be used in transportation industry. The technical problem to be solved by the claimed invention is to provide a method, a device, a system, a motor vehicle, and a computer-readable medium that do not possess the drawbacks of the prior art and thus make it possible to generate a modified energy-efficient track based on a non-modified energy-efficient track, thus allowing to reduce the time needed to pass a portion of the route or to increase the time of useful operation of the vehicle.

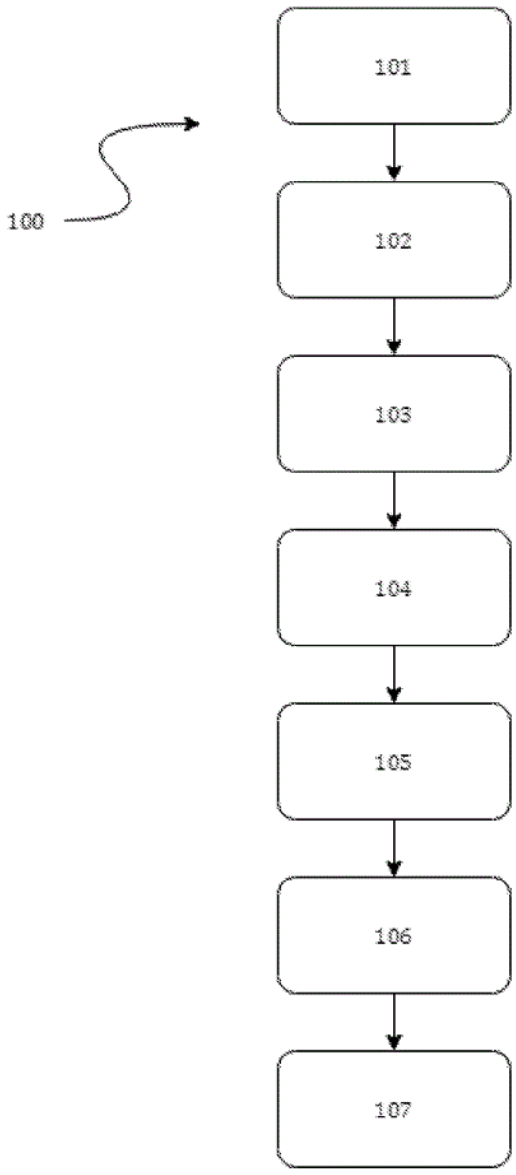


21: 2024/06664. 22: 2024/08/28. 43: 2025/03/05
51: G01C; B60W; G06Q
71: PANKOV, Boris Valerevich
72: PANKOV, Boris Valerevich
33: RU 31: 2021135851 32: 2021-12-07

54: METHOD FOR GENERATING AN ENERGY-EFFICIENT TRACK FOR A VEHICLE

00: -

A method for generating an energy-efficient track for the vehicle in operation comprises: obtaining data associated with the first motor vehicle; data associated with the portion of the route to be passed by the first motor vehicle, and data associated with the second motor vehicle; generating a track for the first motor vehicle, that stops for a given period of time; generating an estimated track for the second motor vehicle based on the track generated for the first motor vehicle; generating a speed profile of the first motor vehicle on the passed portion of the route, and evaluating energy efficiency of the first motor vehicle on the passed portion of the route on the basis of the first motor vehicle stopping. Effect: reducing energy consumption by the motor vehicle moving along a portion of the route containing a mandatory stop point where the motor vehicle stops for a given period of time.

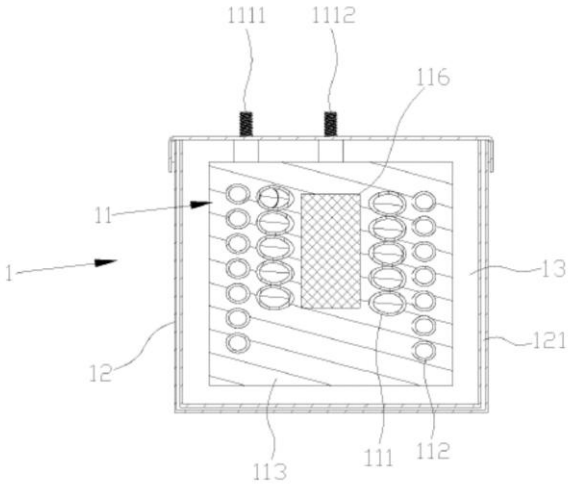


21: 2024/06740. 22: 2024/08/30. 43: 2025/03/10
51: D06F; F22B; F24H
71: NEW WATT (FUJIAN) HIGH-TECH CO. LTD
72: KE, Zhaomin, ZHAO, Zhongwei
33: CN 31: 202220471211.3 32: 2022-03-04
33: CN 31: 202210206771.0 32: 2022-03-04
33: CN 31: 202220456811.2 32: 2022-03-04
33: CN 31: 202220458265.6 32: 2022-03-04

54: STEAM GENERATOR AND STEAM APPARATUS

00: -

The present application provides a steam generator, comprising a heating device, which comprises a heating pipe, a steam pipe and a heater base, wherein the heater base is made of heat conductive material; the heating pipe and the steam pipe are both embedded in the heater base; and the heating pipe and the steam pipe transfer heat by means of the heater base. The steam generator provided in the present application is highly efficient in terms of heat conductivity and generates steam at a high speed; in addition, the steam pipe is heated in a uniform manner, which can ensure the quality of generated steam. The present application further provides a steam apparatus.



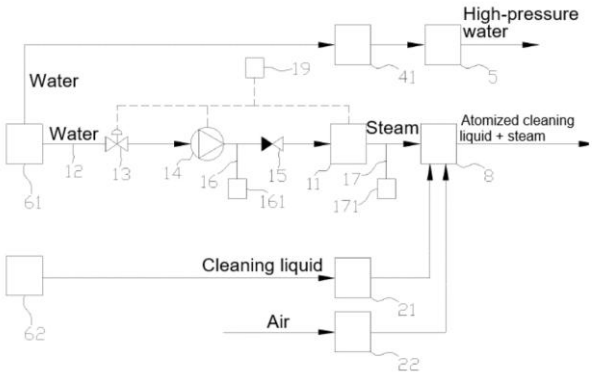
21: 2024/06741. 22: 2024/08/30. 43: 2025/03/06
51: B08B; F22B
71: NEW WATT (FUJIAN) HIGH-TECH CO. LTD
72: KE, Zhaomin, ZHAO, Zhongwei
33: CN 31: 202210206771.0 32: 2022-03-04
33: CN 31: 202220473642.3 32: 2022-03-04
33: CN 31: 202220470764.7 32: 2022-03-04
33: CN 31: 202220471267.9 32: 2022-03-04

54: STEAM GENERATION SYSTEM AND STEAM APPARATUS

00: -

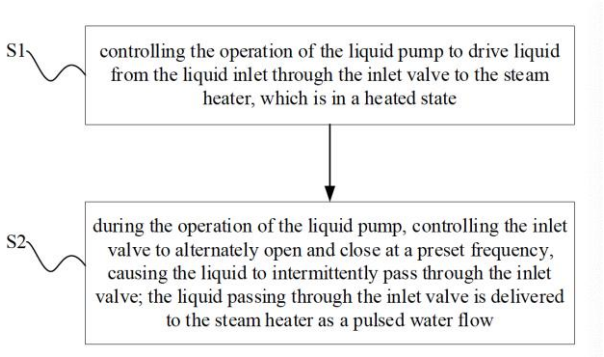
Provided in the present application are a steam generation system and a steam apparatus. The steam generation system comprises a water intake pipe, a solenoid valve, a water pump and a steam generator, wherein the water intake pipe is configured to convey liquid to the steam generator; the solenoid valve and the water pump are connected to the water intake pipe; the water pump is configured to provide power to drive the liquid to be conveyed into the steam generator via the water intake pipe; and the solenoid valve is frequently opened and closed during operation, so that the liquid in the water intake pipe is in a supply and cut-

off state after passing through the solenoid valve, such that the liquid enters the steam generator in the form of a pulsed water flow after passing through the solenoid valve and the water pump. The steam generation system provided in the present application can continuously and stably generate steam, the steam is generated at a high speed, and the temperature of the steam is controllable, so that high-temperature dry steam can be generated. The steam apparatus provided in the present application comprises the steam generation system.



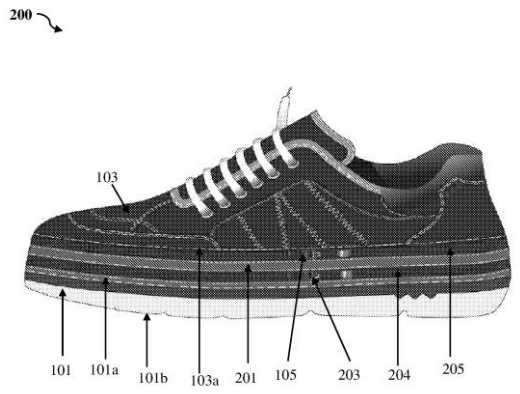
21: 2024/06742. 22: 2024/08/30. 43: 2025/03/06
51: F22B; F22D
71: NEW WATT (FUJIAN) HIGH-TECH CO. LTD
72: KE, Zhaomin, ZHAO, Zhongwei
33: CN 31: 202210206772.5 32: 2022-03-04
33: CN 31: 202210207081.7 32: 2022-03-04
33: CN 31: 202210207082.1 32: 2022-03-04
54: STEAM GENERATION CONTROL METHOD
00: -

A steam generation control method, applied to a steam generation system. The steam generation system comprises a liquid inlet (1), a steam outlet (2), and a liquid pump (3), a water inlet valve (4), and a steam heater (5) connected between the liquid inlet (1) and the steam outlet (2); the water inlet valve (4) is connected between the liquid inlet (1) and the steam heater (5). The control method comprises: S1, controlling the liquid pump (3) to operate so as to drive a liquid to be conveyed from the liquid inlet (1) through the water inlet valve (4) to the steam heater (5) in a heating state; and S2, during operation of the liquid pump (3), controlling the water inlet valve (4) to be turned on and turned off alternately at a preset frequency for operation, so that the liquid intermittently passes through the water inlet valve (4), and the liquid passing through the water inlet valve (4) is conveyed into the steam heater (5) in the form of pulsed water flows. Each pulsed water flow continuously flows in the steam heater (5) and is at least partially evaporated and vaporized before flowing out of the steam heater (5). By means of the steam generation control method, steam which is continuous and has stable quality can be generated.



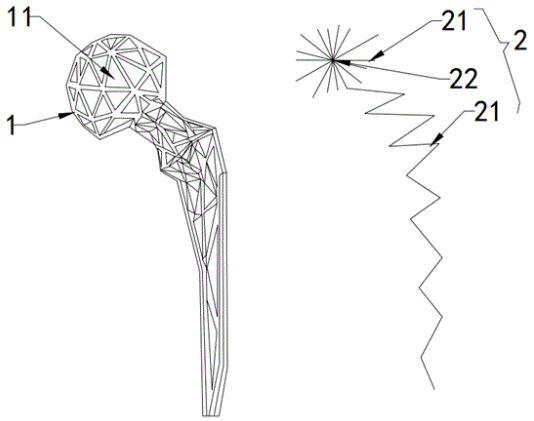
21: 2024/06743. 22: 2024/08/30. 43: 2025/03/06
51: A43B
71: Vatsal Soin
72: Vatsal Soin
33: IN 31: 202211019418 32: 2022-03-31
54: A CUSTOMIZABLE DETACHABLE SHOE
00: -

The present disclosure explains a detachable and customizable shoe. The shoe includes a sole (101), an upper body (103) and a detachable strip (201). The sole (101) is detachably engaged with a first periphery of the detachable strip (201) by a zipper means and the upper body (103) is detachably engaged with a second periphery of the detachable strip (201) by a zipper means. The detachable strip (201) is provided for customizing parameters of the shoe including height and width. The engagement and disengagement of the sole (101) and the upper body (103) with the detachable strip (201) forms the detachable shoe, wherein the detachable strip (201) imparts customization of the shoe based on requirement of the wearer.



21: 2024/06745. 22: 2024/09/02. 43: 2025/03/06
51: A61K
71: SHANDONG GUANGDA SAILU NEW MATERIALS TECHNOLOGY CO., LTD.
72: WANG, Gongxin, MA, Decai, LI, Peilin
33: CN 31: 202410524582.7 32: 2024-04-29
54: LOW VISCOSITY HYDROXYPROPYL METHYLCELLULOSE AND PREPARATION METHOD THEREOF
00: -
Disclosed in the present application are a low-viscosity hydroxypropyl methylcellulose and a preparation method thereof, belonging to the technical field of preparation of cellulose. The preparation method includes the following steps: (1) alkalization: adding soft water and sodium hydroxide into a solvent, cooling down to room temperature and adding a strong oxidant, then adding crushed natural cellulose and stirring evenly to alkalize to obtain an alkalized product; (2) etherification: adding propylene oxide and chloromethane and stirring evenly, and warming up to obtain an etherified product; and (3) post-treatment: after etherification, neutralizing, desolventizing, washing and drying the etherified product to obtain the low-viscosity hydroxypropyl methylcellulose. Through embodiment of such a method, low-viscosity cellulose ethers can be produced by a one-step slurry process without containing a viscosity-reducing medium, and the obtained hydroxypropyl methylcellulose products have high uniformity and stability.

21: 2024/06754. 22: 2024/09/02. 43: 2025/03/10
51: A61F
71: THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL)
72: LI, Yuan Hui, LI, Mei Lin, ZENG, Mian Dong
33: CN 31: 202410595090.7 32: 2024-05-14
54: METAL INNER CORE, PLACEHOLDER AND PREPARATION METHOD FOR HIP JOINT BONE CEMENT PLACEHOLDER
00: -
Disclosed are a metal inner core, a placeholder and a preparation method for a hip joint bone cement placeholder. By designing the metal inner core including a frame body and a supporting portion inside the hip joint bone cement placeholder, the strength of the placeholder is enhanced; due to the fact that the metal inner core is hollow, the antibiotic bone cement can fill the inner portion of the metal inner core, the content of antibiotics in the placeholder cannot be affected, and infection is effectively controlled; the hollowed-out structure endows the placeholder with lighter weight and stronger structural strength, and meanwhile, the material cost is effectively reduced; and according to the preparation method of the hip joint bone cement placeholder, the size design of the placeholder and the metal inner core is carried out, so that the joint matching degree between the placeholder and the patient is high.

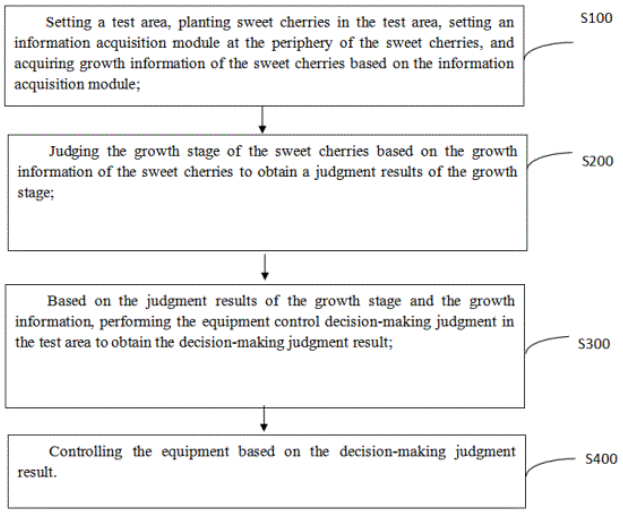


21: 2024/06762. 22: 2024/08/30. 43: 2025/03/10
51: G06N; G06F; G06T
71: WWW.TRUSTSCIENCE.COM INC
72: MARTIN LOEFFLER
33: US 31: 18/460,038 32: 2023-09-01
54: CONTINUOUS IDENTITY
00: -

Systems and methods are provided for the use of determining continuous identity over time and in real-time such that a request to verify the identity of an individual that includes a plurality of partial identifiers leads to a prompt response by a computing system employing a machine learning algorithm in a manner that is objective, substantially linearly scalable, and explainable due to the application of objective parameters. A request for identification verification may be made with a partial set of identifiers of the individual to be identified. The computing system may access a database of credentials and a database of strengths of relationships between credentials and provide information from such credentials to a machine learning algorithm that uses the credentials, strengths of relationships, weighting, and a tunable risk tolerance to determine whether to verify or refute the identity, or neither.

21: 2024/06777. 22: 2024/09/03. 43: 2025/03/10
51: A01N
71: High Latitude Crops Institute to Shanxi Academy Shanxi Agricultural University
72: YANG Chun, FAN Xiangbin, QI Haiying, BAI Xiaodong, DU Peibing, ZHU Zhihui, MAO Xianghong
33: CN 31: 2024108837624 32: 2024-07-03
54: GREEN CONTROL METHOD FOR POTATO DISEASES AND INSECT PESTS
00: -
The invention provides a green control method for potato diseases and insect pests, which comprises the following steps: step 1, applying calcium cyanamide and allicin before soil preparation, and applying base fertilizer and plant ash during soil preparation; step 2, seeds are dressed with seed dressing agent before sowing; step 3, after the emergence of seedlings, sticky traps, insecticidal lamps and sex pheromone traps are arranged in the field; step 4, spraying potassium phosphite, calcium magnesium nitrate fertilizer, mancozeb and butyl hydroxybenzene at different growth stages respectively, and spraying mixed microbial inoculum; step 5, after harvesting, applying plant ash in the field and performing crop rotation with other crops; step 6, using chemical pesticides to remedy diseases and insect pests. The invention combined the fertilizer and the pesticide, combining fertilization with pest control, adhering to the plant protection policy of "prevention first, comprehensive prevention", giving priority to agricultural, ecological, biological and physical technical measures for prevention, and adopting chemical prevention to remedy if necessary, so as to prevent diseases.

21: 2024/06778. 22: 2024/09/03. 43: 2025/03/10
51: A01G
71: Shandong Institute of Pomology
72: FU Quanjuan, ZHU Shengnan, FU Quanbin, HOU Sen, WEI Guoqin, JIANG Xia
33: CN 31: 2024108832777 32: 2024-07-03
54: INTELLIGENT CULTIVATION METHOD AND SYSTEM FOR SWEET CHERRIES
00: -
The invention provides an intelligent cultivation method and a system for sweet cherries, which comprises the following steps: setting a test area, planting sweet cherries in the test area, setting an information acquisition module at the periphery of the sweet cherries, and acquiring growth information of the sweet cherries based on the information acquisition module; judging the growth stage of the sweet cherries based on the growth information of the sweet cherries to obtain a judgment results of the growth stage; based on the judgment results of the growth stage and the growth information, performing the equipment control decision-making judgment in the test area to obtain the decision-making judgment result; controlling the equipment based on the decision-making judgment result. The invention can automatically adjust the growth environment of the sweet cherries through the growth stage of the sweet cherries, realize the intelligent cultivation of the sweet cherries, and is convenient to use.

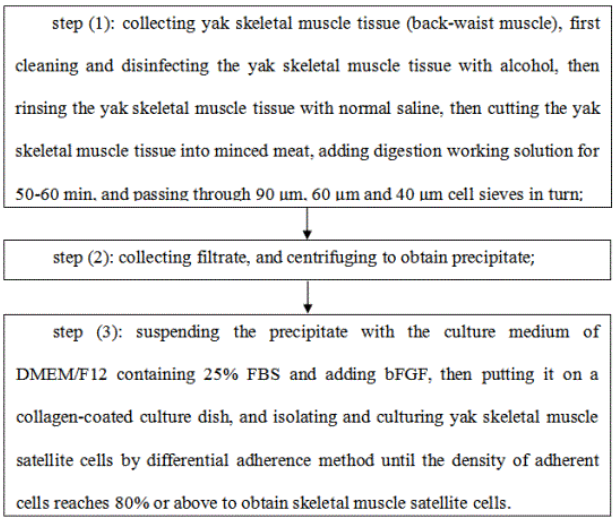


21: 2024/06779. 22: 2024/09/03. 43: 2025/03/10
51: C12N
71: Qinghai university
72: LING Xiaodong, LV Jianshu, LI Lingxia, LI Miaoran, LI Zhongduo
33: CN 31: 2024108176871 32: 2024-06-24

54: METHOD FOR ISOLATION, CULTURE AND INDUCED DIFFERENTIATION OF YAK SKELETAL MUSCLE SATELLITE CELLS

00: -

The invention discloses a method for isolation, culture and induced differentiation of yak skeletal muscle satellite cells, which comprises the following steps: step 1: collecting yak skeletal muscle tissue (back-waist muscle), first cleaning and disinfecting the yak skeletal muscle tissue with alcohol, then rinsing the yak skeletal muscle tissue with normal saline, then cutting the yak skeletal muscle tissue into minced meat, adding digestion working solution for 50-60 min, and passing through 90 micron, 60 micron and 40 micron cell sieves in turn; step 2: collecting filtrate, and centrifuging to obtain precipitate; step 3: suspending the precipitate with the culture medium of DMEM/F12 containing 25 percent FBS and adding bFGF, then putting it on a collagen-coated culture dish, and isolating and culturing yak skeletal muscle satellite cells by differential adherence method until the density of adherent cells reaches 80% or above to obtain skeletal muscle satellite cells. By the method of the invention, yak skeletal muscle satellite cells with high differentiation ability can be obtained, and mature muscle tubes can be formed after in vitro induced differentiation, and the differentiation index is as high as over 90 percent.



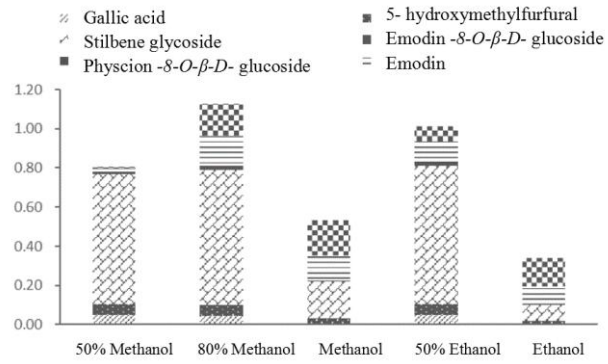
21: 2024/06803. 22: 2024/09/04. 43: 2025/03/17
51: A61K
71: Institute of Chinese Materia Medica China Academy of Chinese Medical Sciences
72: LI Li, YU Miao, WANG Lan, LIU Taotao, XU Jing, AO Xuan, YIN Xiaojie, ZUO Jingyu
33: CN 31: 2024109816964 32: 2024-07-22

54: APPLICATION OF NINE STEAMING NINE SUN-DRYING POLYGONUM MULTIFLORUM THUNB. EXTRACT IN PREPARING MEDICINE FOR TREATING KIDNEY DEFICIENCY

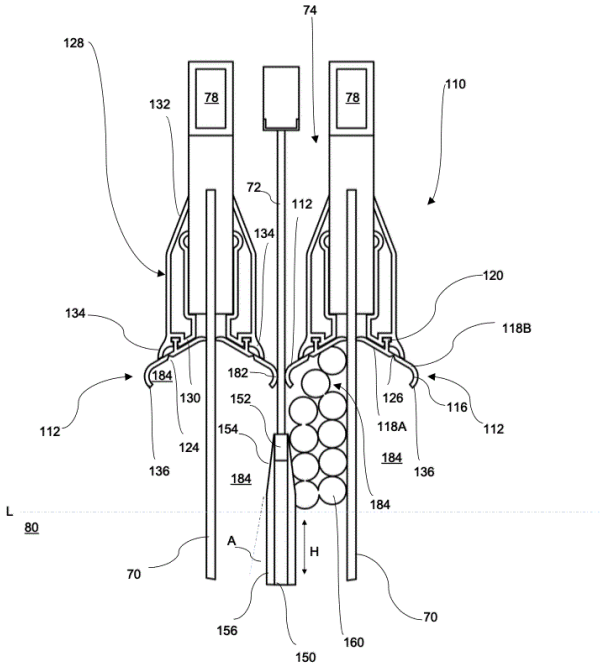
00: -

The invention relates to the technical field of medicine, in particular to an application of nine steaming nine sun-drying Polygonum multiflorum Thunb. extract in preparing medicine for treating kidney deficiency. In the specific embodiment of the invention, an animal model of kidney-yin deficiency is established, and the kidney-tonifying effect of Polygonum multiflorum Thunb. extract with nine steaming and nine sun-drying is evaluated by observing the changes of hormone levels such as HPT axis, HPA axis and HPG axis after administration to the model animal. The results show that Polygonum multiflorum Thunb. extract with nine steaming and nine sun-drying can significantly regulate the functions of HPT axis, HPA axis and HPG axis, and play a role in tonifying kidney, and can be used for preparing kidney-tonifying drugs. Therefore, the invention provides a scientific basis for the research and development of kidney-tonifying

drugs. At the same time, the specific embodiment of the invention evaluates the hepatotoxicity of the Polygonum multiflorum Thunb. extract with the model of idiosyncratic liver injury, and proves that the drug safety of the Polygonum multiflorum Thunb. extract with nine steaming and nine sun-drying is better than that of raw Polygonum multiflorum Thunb.

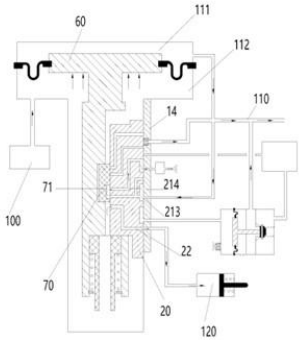


21: 2024/06806. 22: 2024/09/04. 43: 2025/03/12
51: C25B
71: PROTHERO, Gareth Clive, VAN DIEMAN, Eric
72: PROTHERO, Gareth Clive
33: ZA 31: 2023/09432 32: 2023-10-10
54: AN ACID MIST REDUCTION DEVICE
00: -
THIS invention relates to an acid mist reduction device. More specifically, the invention relates to an acid mist reduction and/or retention device for containing demist balls and consequently tank mist solutions in the electrorefining and electrowinning process of metal extraction industries. The acid mist reduction device includes an elongate hood, a mount, a plurality of buoyant demist balls and edge strips. The elongate hood is sized and shaped for in use bridging the space between a mounted electrode, to which the hood is mountable by the mount, and an adjacent electrode. The mount includes a limiting formation configured to abut the hood thereby to limit the deformation of the hood in at least one direction. The buoyant demist balls operatively float on an electrolytic solution are contained in position by the hood thereby consequently to contain acid mist released by the electrolytic solution. The edge strips operatively mount along side edges of the adjacent electrodes thereby to prevent material plating about such side edges. Furthermore, the edge strips have riding surfaces up and over which abutment portions of the hood are capable of riding thereby to, on operative displacement between the edge strips and the hoods, deform the hoods thereby to prevent direct contact between the hoods and that portion of the adjacent electrodes along which the edge strips extend.

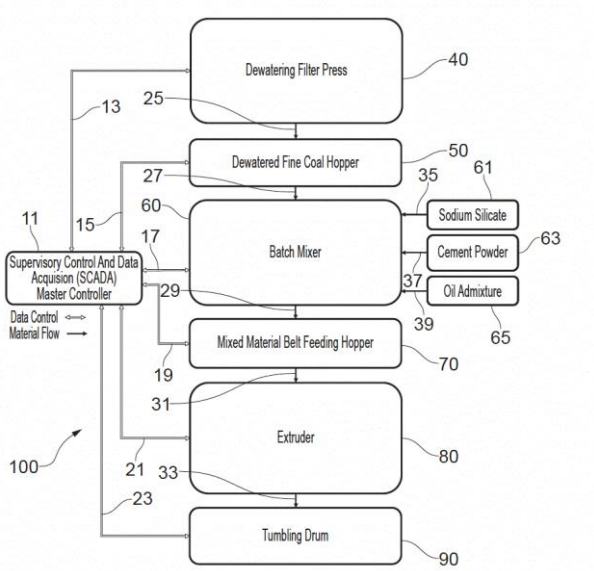


21: 2024/06815. 22: 2024/09/04. 43: 2025/03/12
51: B60T
71: CRRC QIQIHAR ROLLING STOCK CO., LTD.
72: LI, Hua, XU,Yi, LI, Jia
33: CN 31: 202210521953.7 32: 2022-05-13
54: AIR CONTROL VALVE
00: -
An air control valve, including a main valve body (10), a main valve cavity (11) communicates with an auxiliary air cylinder (100), an air inlet channel (12) communicates with a train pipe (110), the air inlet channel (12) communicates with the main valve cavity (11), and an air exhaust channel (13) communicates with the main valve cavity (11); a sliding valve (20), which attaches to the main valve cavity (11), a communicating channel (21) communicates with the air inlet channel (12), the communicating channel (21) communicates with the air exhaust channel (13), a brake inflation channel (22) communicates with the main valve cavity (11), and the brake inflation channel (22) communicates

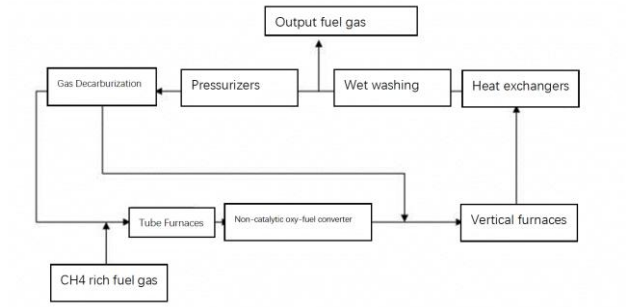
with a brake cylinder (120); and a shut-off valve (30), a shut-off valve body is provided with a shut-off valve cavity (311), a shut-off valve core (32) is disposed in a driving cavity (312) and separates the driving cavity into an auxiliary air cavity (3121) and a brake cavity (3122), the auxiliary air cavity (3121) communicates with the auxiliary air cylinder (100), the brake cavity (3122) communicates with the brake cylinder (120), the air exhaust cavity (313) communicates with the air exhaust channel (12), and the shut-off valve core has an air outlet position for communicating an air inlet of the air exhaust cavity with an air outlet of the air exhaust cavity and a closing position for separating the air inlet of the air exhaust cavity from the air outlet of the air exhaust cavity.



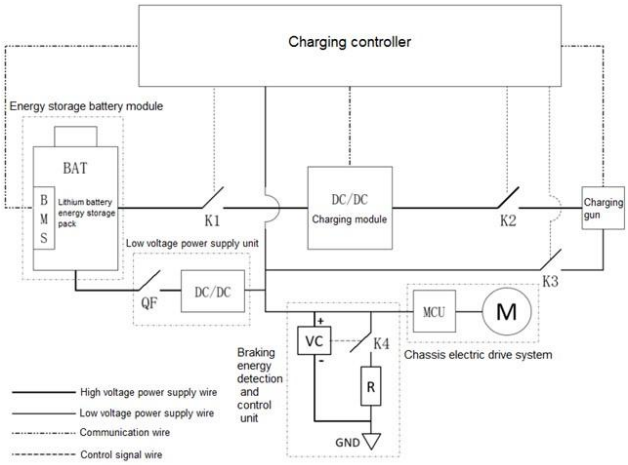
21: 2024/06839. 22: 2024/09/05. 43: 2025/03/12
51: E21B
71: EESTECH EUROPE HOLDINGS BV
72: Chad Lehman, Murray Bailey
54: METHOD AND SYSTEM FOR CONVERTING COAL INTO INPUT MATERIAL FOR GASIFICATION
00: -
A method and system prepares coal, and particularly fine coal, for gasification. Coal is mixed with reagents including sodium silicate, Portland cement, and oil to produce an input material for a gasification reactor. Uses include conversion of waste coal fines from underflow thickeners, slime dams, and coal dumps. This saves both coal and gas environmental resources and reduces pollution.



21: 2024/06845. 22: 2024/09/05. 43: 2025/03/12
51: C21B
71: CISDI Engineering Co. LTD, CISDI Shanghai Engineering Technology Co.
72: Ling Chen, Min Guo, Tao Zhang, Kaiji Wu, Cunfang Lu, Liangcheng Lin
54: DIRECT REDUCTION PROCESS FOR THE PRODUCTION OF SPONGE IRON USING NON-CATALYTIC CONVERSION OF CH4
00: -
A direct reduction process for the production of sponge iron using non-catalytic conversion of CH4, characterized in that the process includes a step of continuously monitoring the CH4 concentration within the non-catalytic oxygen reforming furnace and adjusting the oxygen flow rate based on the real-time CH4 content to maintain a CH4 volume percentage below 1.5 percent during the entire reduction process, thereby preventing carbon precipitation and improving CH4 conversion efficiency.



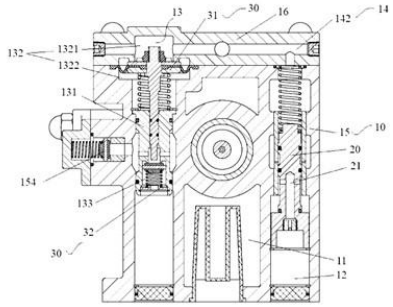
21: 2024/06865. 22: 2024/09/05. 43: 2025/03/12
51: H02J
71: ANHUI YIJIANENG DIGITAL TECHNOLOGY CO., LTD.
72: DAI, Yong
33: CN 31: 202222873078.7 32: 2022-10-28
54: BRAKING ENERGY CONTROL CIRCUIT AND CHARGING ROBOT
00: -
The present invention discloses a braking energy control circuit and a charging robot, which relates to the technical field of mobile charging. The braking energy control circuit of the present invention includes an energy storage battery module, a low voltage power supply unit, and a chassis electric drive system, and a braking energy detection and control unit, an output end of the energy storage battery module is connected to the low voltage power supply unit, the low voltage power supply unit is connected to the chassis electric drive system, the braking energy detection and control unit is arranged between the low voltage power supply unit and the chassis electric drive system, and the braking energy detection and control unit is configured to monitor a short-time high voltage fed back by the chassis electric drive system and absorb a high voltage energy. In the present invention, the short-time high voltage fed back by the chassis electric drive system is able to be monitored in real time when the charging robot brakes or goes down a hill, and a discharge resistor is controlled automatically within a threshold to absorb the feedback energy, avoiding wrong protection of the low voltage power supply unit of the system, ensuring the normal operation of the mobile smart charging robot.



21: 2024/06866. 22: 2024/09/05. 43: 2025/03/12
51: C04B
71: CHRYSO
72: BOUSTINGORRY, Pascal, DAVID, Marie, BONAFOUS, Laurent
33: FR 31: 2202087 32: 2022-03-10
54: HYDRAULIC BINDER COMPOSITION COMPRISING BLAST FURNACE SLAG
00: -
The present invention relates to a hydraulic binder composition comprising: - a hydraulic binder that comprises at least one alumino-silicate compound, preferably blast furnace slag, and an alkaline or sulphate activator, and a maximum of 10% by weight of clinker, preferably from 0 to 10% by weight of clinker ; - nitric acid or a salt thereof, other than zinc nitrate.

21: 2024/06867. 22: 2024/09/05. 43: 2025/03/12
51: B60T
71: CRRC QIQIHAR ROLLING STOCK CO., LTD.
72: XU,Yi, HAN, Xiaobin, WANG, Mingdong
33: CN 31: 202210521016.1 32: 2022-05-13
54: EMERGENCY VALVE
00: -
The present disclosure provides an emergency valve, including: a valve body (10) comprising an emergency cavity (11), a pressure increasing cavity (12) and an inflation cavity (13) which are spaced apart from one another, wherein an extension direction of the pressure increasing cavity (12) is the same as an extension direction of the inflation cavity (13); an air inlet of the emergency cavity (11) is in communication with a train pipe (71); the pressure increasing cavity (12) is provided with a first

communication port, a second communication port and a relief port; the relief port of the pressure increasing cavity (12) is located between the first communication port of the pressure increasing cavity (12) and the second communication port of the pressure increasing cavity (12); the first communication port of the pressure increasing cavity (12) is in communication with a brake cylinder (72); and the second communication port of the pressure increasing cavity (12) is in communication with the emergency cavity (11). The device increases the inflation speed of the train pipe, and achieves the aim of saving energy by utilizing the pressurized air in the brake cylinder.

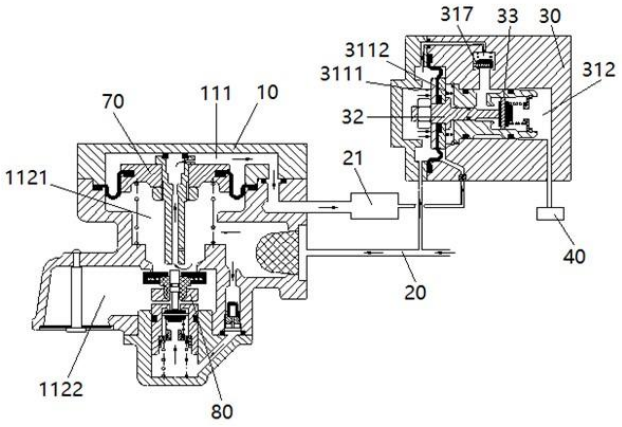


21: 2024/06869. 22: 2024/09/05. 43: 2025/03/12
51: B60T; B61H
71: CRRC QIQIHAR ROLLING STOCK CO., LTD.
72: XU,Yi, HE, Lidong, WANG, Mingdong
33: CN 31: 202210521924.0 32: 2022-05-13

54: EMERGENCY VALVE HAVING EMERGENCY ACCELERATED RELEASE FUNCTION

00: -

An emergency valve having an emergency accelerated release function, comprising: an emergency valve body (10), having an emergency cavity (11), an air inlet of the emergency cavity (11) being in communication with a train pipe (20); and an inflation valve (30), comprising an inflation valve body (31), a first valve core (32) and a second valve core (33), wherein the inflation valve body (31) has a driving cavity (311) and an inflation cavity (312) which are spaced apart; the first valve core (32) is movably arranged in the driving cavity (311) and divides the driving cavity (311) into a first driving cavity (3111) and a second driving cavity (3112), and the second valve core (33) is movably arranged at an air outlet of the inflation cavity (312), and an air inlet of the inflation cavity (312) is in communication with a brake cylinder (40), the air outlet of the inflation cavity (312) is in communication with an air inlet of the first driving cavity (3111), and an air outlet of the first driving cavity (3111) is in communication with the emergency cavity (11), and the second driving cavity (3112) is in communication with an emergency chamber (21); wherein the first valve core (32) has an inflation position at which the second valve core (33) is pushed away from the air outlet of the inflation cavity (312), and a blocking position at which the second valve core (33) is released. The device can solve the problems in the related art that after emergency braking of a train, the release time is long and a lot of energy is consumed.



21: 2024/06877. 22: 2024/09/06. 43: 2025/03/12
51: C23C; C25D
71: Changde Huaye Surface Technology Co., Ltd
72: Jun Zhou, Xiang Yi, Chunhui Zhang

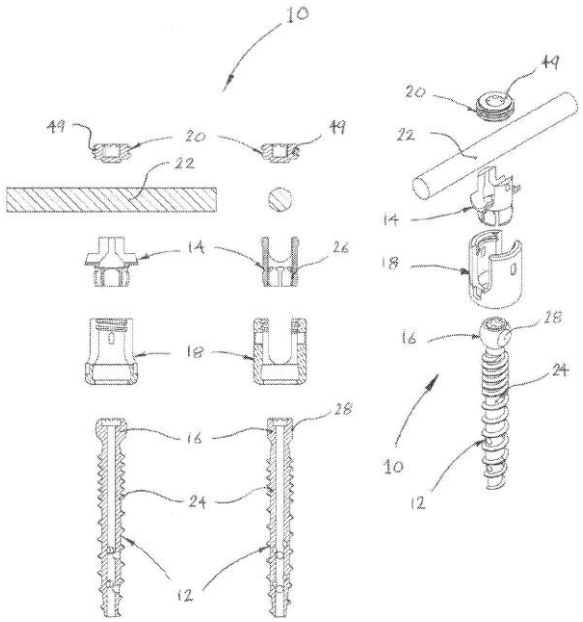
54: STEEL PROTECTION COMPOSITE ALLOY COATING AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The invention discloses a steel protection composite alloy coating and preparation method and application thereof, and said composite alloy coating includes high phosphorous nickel coating and high nickel zinc coating plated on the surface of the part to be plated from inside to outside in sequence; the preparation method for the coating comprises the following steps: 1) pre-treatment: the part to be plated is placed in the degreasing tank containing alkaline reagent, degreasing and cleaning for 3-5min to obtain a clean surface of the part to be plated; 2) primary nickel film formation: put the part to be

plated in hydrochloric acid solution containing nickel compounds with Ni+ concentration of 80ml/L-110ml/L to prepare 1-3 micron nickel film; 3) Ni-P alloy coating: soak the plated part in solution containing 10-15% phosphorus, and under the autocatalytic reaction of phosphate to obtain 20-30 micron high phosphorus nickel alloy coating; 4) Ni-Fe alloy coating: plating and depositing into Ni-Fe alloy coating with thickness of 1-3 micron and iron content of 15-40%; 5) composite alloy coating: plating and depositing into zinc-nickel alloy with nickel content of 12-16% via plating, which is passivated or plastified to obtain said composite alloy coating.

21: 2024/06884. 22: 2024/09/06. 43: 2025/02/12
51: A61B
71: Southern Cross Patents Pty Ltd
72: MCPHEE, Robert
33: AU 31: 2018904378 32: 2018-11-16
54: PEDICLE SCREWS
00: -
The present invention is broadly directed to a modular pedicle screw assembly (10) for immobilisation and stabilisation of spinal segments in a patient (not shown). The modular pedicle screw assembly (10) generally comprises a bone screw (12), a uniaxial inner collet (14) arranged to cooperate with a head (16) of the bone screw (12), a seat (18) arranged to provide seating for retention of the inner collet (14), and an inner collet actuator (20) designed to engage the seat (18) to activate the inner collet (14) for clamping about the head (16) of the bone screw (12).



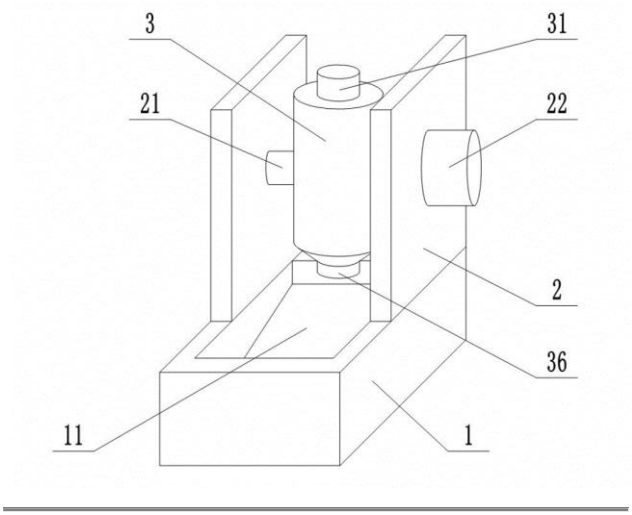
21: 2024/06888. 22: 2024/09/06. 43: 2025/03/12
51: A01B; C05F; C05G; C09K
71: MANEKO, SPOL. S R.O.
72: SCHULMANN, Jan
33: CZ 31: PV 2022-135 32: 2022-03-25
54: SUPPLEMENT STIMULATING ROOT SYSTEM OF PLANTS IN TIMES OF CLIMATE CHANGES
00: -
The supplement containing up to 100 wt% of depolymerised residue after dry distillation of wood at a temperature of up to 300 °C is used to enrich the soil layer to a depth of 5 to 30 cm or when planting trees and shrubs to a depth according to the size of the root ball, with 0.5 to 9.9 wt% of depolymerised residue after dry distillation of wood at a temperature not exceeding 300 °C in relation to the weight of soil. In addition the supplement may contain up to 90 wt% of at least one substance selected from a group consisting of compost, organic fertiliser, inorganic fertilisers, minerals, bacterial cultures of aerobic micro-organisms, carbohydrate-based bacterial nutrients, cellulase and amylase, in relation to supplement weight.

21: 2024/06891. 22: 2024/09/06. 43: 2025/03/13
51: A61K; C07D
71: KIORA PHARMACEUTICALS GMBH
72: SPERL, Stefan, PLASSER, Lisa, SULEIMAN, Osama, SCOTT, Christopher Daniel, DEL RIO GANCEDO, Susana, HARRIS, Joseph Stephen

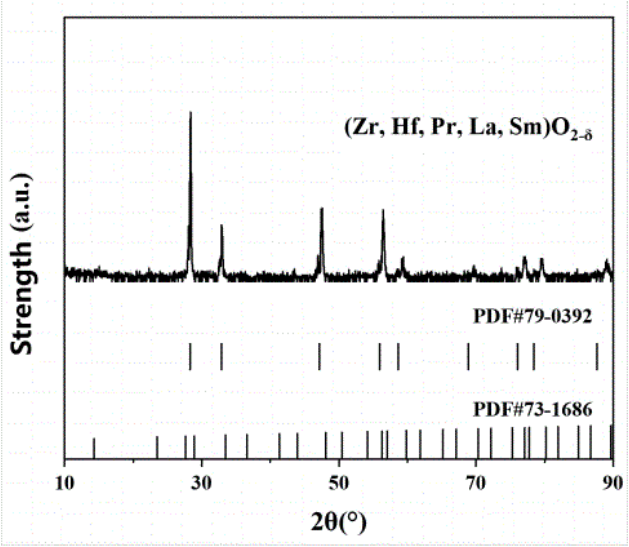
33: US 31: 63/318,281 32: 2022-03-09
54: POLYMORPHS OF A DIHYDROOROTATE DEHYDROGENASE (DHOD) INHIBITOR
00: -
The present disclosure provides polymorphs of 3-(2,3,5,6-tetrafluoro-3'-trifluoromethoxy-biphenyl-4-ylcarbamoyl)-thiophene-2-carboxylic acid, and methods of making such polymorphs. The present disclosure further provides pharmaceutical compositions and kits comprising polymorphs of the invention, and methods of treating, preventing, or ameliorating a disease or condition comprising administering a polymorph of the invention.

21: 2024/06905. 22: 2024/09/09. 43: 2025/03/17
51: B01J
71: Henan University of Urban Construction, Hebei University of Technology
72: ZHOU Hengtao, ZHANG Zhiyuan, LIU Liyuan, ZHANG Lilin, JU Rui, KONG Youfang, DONG Shanshan, CHEN Honglin, WANG Jing, LIU Lele, LI Hengbin
54: SLUDGE-BASED BIOCHAR ADSORPTION MATERIAL AND APPLICATION THEREOF IN TREATING HEAVY METALS IN SEWAGE
00: -
The invention discloses a sludge-based biochar adsorption material and an application thereof in treating heavy metals in sewage, belonging to the technical field of biomass resource utilization. In the process of preparing the sludge-based biochar adsorption material, Fe2+ and Fe3+ are added, and under alkaline conditions, part of iron ions form Fe3O4, which can increase the surface roughness of sludge-based biochar adsorption material particles, thereby effectively increasing the specific surface area and pore volume of the obtained sludge-based biochar adsorption material, enriching the pore structure of the sludge-based biochar adsorption material, increasing the surface adsorption functional groups and adsorption sites, and enhancing the adsorption and removal capacity of heavy metals in sewage; the sludge-based biochar adsorption material prepared by the invention has large specific surface area, high adsorption capacity and good adsorption effect on heavy metals, and can be separated and reused by magnetism after adsorption.

21: 2024/06906. 22: 2024/09/09. 43: 2025/03/17
51: C10L
71: Henan University of Urban Construction, Hebei University of Technology
72: ZHANG Zhiyuan, LIU Liyuan, ZHANG Lilin, WANG Xutao, ZHOU Hengtao, DONG Shanshan, HAN Ershuai, JU Rui, FU Haoka, WANG Jing, LI Hengbin, LIU Lele
54: MUNICIPAL SLUDGE-DERIVED SOLID FUEL PREPARATION DEVICE
00: -
The invention relates to the technical field of sludge treatment, in particular to a municipal sludge-derived solid fuel preparation device, which comprises an aggregate tank, wherein a support plate is symmetrically arranged on the top surface of the aggregate tank; a stirring tank is arranged between the two support plates; a stirring assembly is arranged in the stirring tank; one end of the stirring assembly extending out of the stirring tank is drivingly connected with a second motor; the second motor is fixedly connected with the stirring tank; and one end of the stirring tank far from the second motor is fixedly connected and communicated with a connecting pipe, and the connecting pipe is detachably connected with the sealing cover; the stirring assembly comprises a transmission rod, and one end of the transmission rod extending out of the stirring tank is in transmission connection with the second motor; a plurality of stirring parts are fixedly connected on the outer wall of the transmission rod extending into the stirring tank, and a cutting part is arranged between two adjacent stirring parts. According to the invention, after sludge and straws enter the stirring tank through the connecting pipe, the cutting part can stir and cut the straws, and at the same time, the sludge and straws can be fully mixed and stirred through the stirring part.

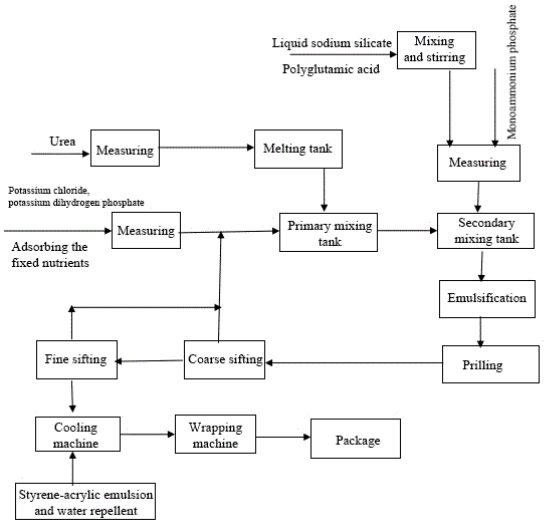


21: 2024/06907. 22: 2024/09/09. 43: 2025/03/17
51: C04B
71: Taiyuan University of Technology
72: Weihua JI, Yang MIAO, Jiadong HOU, Ziqian MENG, Chao MA
33: CN 31: 2024112358162 32: 2024-09-04
54: A KIND OF FLUORITE-PYROCHLORE DUAL-PHASE HIGH-ENTROPY OXIDE CERAMIC POWDER AND ITS PREPARATION METHOD
00: -
The invention relates to a kind of fluorite-pyrochlore dual-phase high-entropy oxide ceramic powder and its preparation method, which relates to the field of high-performance ceramic technology. The preparation process is as follows: (1) ZrO2, HfO2, Pr6O11, La2O3 and Sm2O3 powders with equal atomic percentage are weighed and placed in a crucible, and calcined in a muffle furnace to remove water and impurities; (2) the calcined ZrO2, HfO2, Pr6O11, La2O3 and Sm2O3 powders are ball-milled and mixed. After ball milling, they are placed in a drying oven to obtain high-entropy ceramic oxide precursor powder; (3) the high-entropy ceramic oxide precursor powder is placed in a muffle furnace and heat-treated in an air atmosphere. After cooling and grinding, the high-entropy oxide ceramic powder with a fluorite-pyrochlore dual-phase structure is obtained. The chemical formula of the dual-phase high-entropy ceramic powder material prepared by the invention is (Zr, Hf, Pr, La, Sm)O2-6, which is a fluorite-pyrochlore dual-phase structure, so that it has low thermal conductivity, high thermal expansion coefficient, and excellent thermal stability at high temperature.



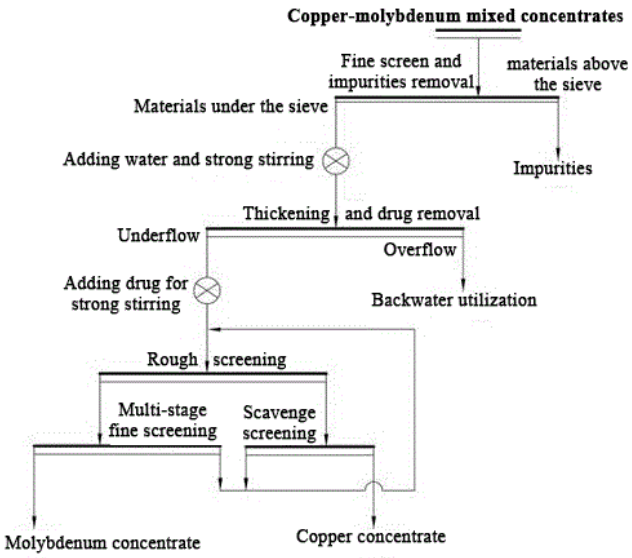
21: 2024/06908. 22: 2024/09/09. 43: 2025/03/17
51: C05G
71: Inner Mongolia Tongsifang Agricultural Technology Co., Ltd.
72: Yunli Li, Baofu Liu, Yilin Liu
33: CN 31: 202411102778.3 32: 2024-08-13
54: A MULTIFUNCTIONAL COMPOSITE FERTILIZER AND A PREPARATION METHOD THEREOF
00: -
The invention provides a multifunctional composite fertilizer and a preparation method thereof, belonging to the technical field of high-tower composite fertilizer. The multifunctional composite fertilizer comprises urea, potassium dihydrogen phosphate, potassium chloride, mono-ammonium phosphate, polyglutamic acid, liquid sodium silicate, light burning powder, styrene acrylic emulsion and water repellent agent. After the urea was melted, potassium chloride, potassium dihydrogen phosphate, light burning powder, liquid sodium silicate, polyglutamic acid and monoammonium phosphate were added successively, and then the material particles were emulsified and granulated, and then coated with styrene acrylic emulsion and waterproofing agent. Finally, it was treated with anti-caking, and then multifunctional composite fertilizer was obtained. The multifunctional composite fertilizer of the invention has the advantages of good slow release effect, it can promote phosphorus efficiency, prevent the potassium loss, promote the fertilizer efficiency, enhance the soil fertility, improve the soil physical and chemical properties, improve

the crop quality and yield, and can enhance the crop disease resistance and stress resistance.



21: 2024/06939. 22: 2024/09/10. 43: 2025/03/17
51: C12Q
71: Jiangsu Institute of Poultry Science
72: TANG Xiujun, FAN Yanfeng, JIA Xiaoxu, TANG Mengjun, ZHANG Xiaoyan, ZHANG Jing, LIU Yinyin, MA Lina, ZHANG Jingxin, XU Ming
54: METHOD FOR IDENTIFYING DIFFERENT BROILER VARIETY TYPES BASED ON MITOCHONDRIAL HAPLOTYPES
00: -
The invention belongs to the technical field of molecular biology. The method for identifying different types of broiler breeds based on mitochondrial haplotypes comprises the following steps: 1. extracting total DNA of broilers to be tested; 2. PCR amplification and sequencing: performing PCR amplification reaction on the total DNA of the broilers to be detected by using specific primers, and after the reaction, detecting the PCR products by agarose gel electrophoresis and sequencing; 3. data processing and analysis: after the sequencing results are spliced, the redundant fragment sequences are cut off, and the haplotypes of A\B\C\E and the proportion of various haplotypes are counted; 4. Identification: among the haplotypes and their proportions, the proportion of E haplotypes is less than 40 percent and the proportion of B haplotypes is greater than 70 percent, and it is judged that the broiler to be tested is Hongguang black chicken. The invention solves the technical problem of impersonating high-quality broiler breeds in the prior art.

21: 2024/06940. 22: 2024/09/10. 43: 2025/03/17
51: B03D
71: China Ruilin Engineering Technology Co., Ltd.
72: CHU Lixin, SHEN Louyan, YU Xun, FENG Yuguo, DENG Chunhu, SHI Wei, TANG Fenfen, GAO Zhiyong, ZHANG Fan
54: FLOTATION METHOD FOR SEPARATING COPPER-MOLYBDENUM MIXED CONCENTRATES WITH IMPROVED MOLYBDENUM AND COPPER RECOVERIES
00: -
The invention relates to a flotation method for separating copper-molybdenum mixed concentrates with improved molybdenum and copper recoveries, belonging to the technical field of copper-molybdenum mixed concentrates flotation. The method comprises five main steps: screening for impurity removal, dilution and washing, thickening, adding chemicals and separation flotation. The surface activity of minerals is improved by screening for impurity removal, dilution and strong stirring and washing, and thickening and removing chemicals. Then, a specific mixed inhibitor is used in the copper and molybdenum separation flotation process, so that effective separation of copper-molybdenum minerals can be realized without rubbing and eluting drugs, the copper-molybdenum flotation process is simplified, the reagent consumption is reduced, and the molybdenum recovery rate and molybdenum concentrate grade are improved.

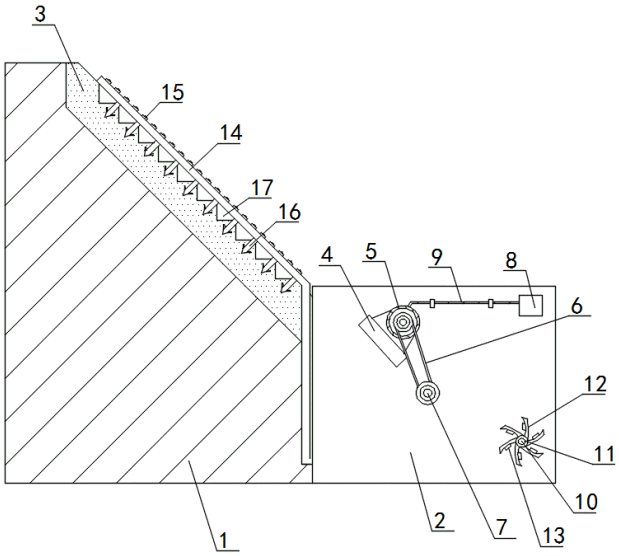


21: 2024/06944. 22: 2024/09/10. 43: 2025/03/14
51: A01G
71: Anhui University of Science and Technology
72: CHEN Hong, ZHAO Kunkun, CHENG Yanli
33: CN 31: 2024111640448 32: 2024-08-23

54: A PLANTING LAYER STRUCTURE FOR ECOLOGICAL RESTORATION OF GARDEN SLOPES

00: -

The present invention discloses a planting layer structure for ecological restoration of garden slopes. The structure includes a slope, which serves as the main planting layer structure of the slope surface. Inside the slope, a soil layer is arranged, and planting grooves are formed within the soil layer. A water collection pool is positioned on the outer surface at one end of the slope, and a water pump is installed inside the water collection pool, connected to a water delivery pipe. A support seat is located on the outer surface of the water collection pool, with a motor installed inside the support seat. This planting layer structure, capable of collecting rainwater, features an equal number of planting grooves and drainage pipes. It allows for the extraction of water from the water collection pool, enabling collected rainwater to be pumped and sprayed through vortex sprinklers. The structure not only collects rainwater to reduce water waste but also allows for the addition of water into the collection pool, addressing irrigation challenges in areas with insufficient rainfall.

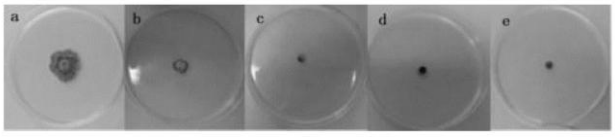


21: 2024/06950. 22: 2024/09/10. 43: 2025/04/08
51: A01P
71: TAISHAN UNIVERSITY
72: ZHANG, Ximei, ZHANG, Lei, YANG, Guangcheng, DING, Haikui, YANG, Xiaolong
33: CN 31: 202311195934.0 32: 2023-09-18

54: USE OF CINNAMON ESSENTIAL OIL IN PLANT DISEASE PREVENTION AND TREATMENT

00: -

The present application falls within the technical field of plant disease prevention and control, and particularly relates to the use of a cinnamon essential oil in plant disease prevention and treatment. The plant disease prevented and treated by the cinnamon essential oil is root rot or anthracnose. The bacteriostatic test shows that bacteriostasis rates of the cinnamon essential oil at a dilution concentration of 2000-fold against C. circinans, C. spaethianum, F. solani, F. oxysporum, and F. redolens are 81.11 percent, 80.95 percent, 49.64 percent, 21.43 percent, and 14.98 percent, respectively. The bacteriostasis rates of the cinnamon essential oil at a low dilution concentration against the five pathogenic fungi are 100 percent.



21: 2024/06966. 22: 2024/09/10. 43: 2025/03/14
51: B01J; C01C
71: CASALE SA

72: FILIPPI, Ermanno, PANZA, Sergio, RIZZI, Maurizio, GALIMBERTI, Leonardo Angelo
33: EP 31: 22167015.1 32: 2022-04-06
54: METHOD FOR CONTROLLING A SYNTHESIS LOOP
00: -
A method for controlling a synthesis loop for production of a chemical product, such as ammonia or methanol, wherein a feed rate of the loop depends on at least one source of renewable energy, the pressure of the loop and the delivery rate of a makeup compressor and of a circulation compressor are continuously controlled to follow the variable rate of the feed while maintaining the loop pressure within a target deviation from a design loop pressure.

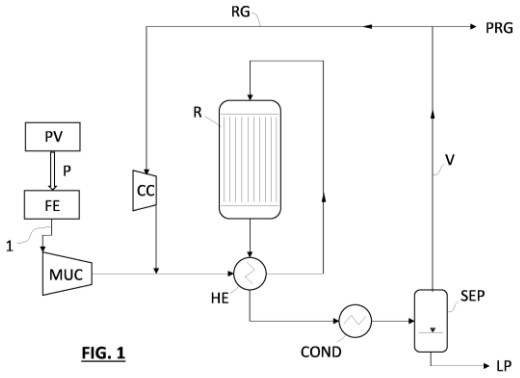


FIG. 1

21: 2024/06968. 22: 2024/09/10. 43: 2025/03/14
51: B60L; H01M
71: SCANDINAVIAN BATTERY TECHNOLOGY AB
72: MANNERHAGEN, Felix, ERIKSSON, Frank
33: SE 31: 2250250-4 32: 2022-02-24
54: MODULAR BATTERY SYSTEM
00: -
The present disclosure relates to a battery module, a collocated battery module, a battery system and a battery pack. The battery module comprises at least two battery cells arranged to be coupled in series; wherein the battery module is configured to be removably connectable to an adjacent first corresponding battery module by a first electrical connection. The battery module is further configured to be removably connectable to the adjacent first corresponding battery module and further to an adjacent second corresponding battery module by at least one second electrical connection such that each battery cell comprised in the battery module is further arranged to be removably connectable to at least one battery cell comprised in the adjacent first and second battery modules by the at least one second electrical connection, wherein the first electrical connection is a parallel electrical connection and is different from the at least one second electrical connection.

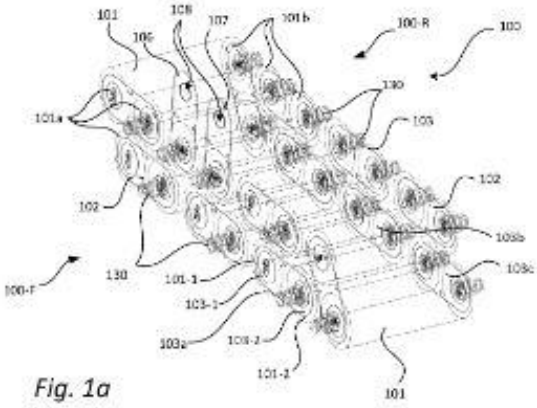


Fig. 1a

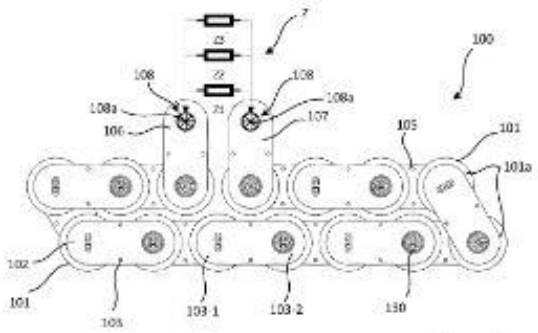


Fig. 1b

21: 2024/06982. 22: 2024/09/11. 43: 2025/02/12
51: G01N
71: Amgen Inc.
72: PEARSON, Thomas Clark, MILNE, Graham F., FRADKIN, Dmitry, FREUND, Erwin
33: US 31: 62/780,542 32: 2018-12-17
54: SHEET LIGHTING FOR PARTICLE DETECTION IN DRUG PRODUCT CONTAINERS
00: -
In a method for imaging a container holding a sample, the container is illuminated with a laser sheet that impinges upon the container in a first direction corresponding to a first axis. A plane of the laser sheet is defined by the first axis and a second axis orthogonal to the first axis. The method also includes capturing, by a camera having an imaging axis that is substantially orthogonal to at least the

first axis, an image of the container. The method further includes analyzing, by one or more processors, the image of the container to detect particles within, and/or on an exterior surface of, the container.

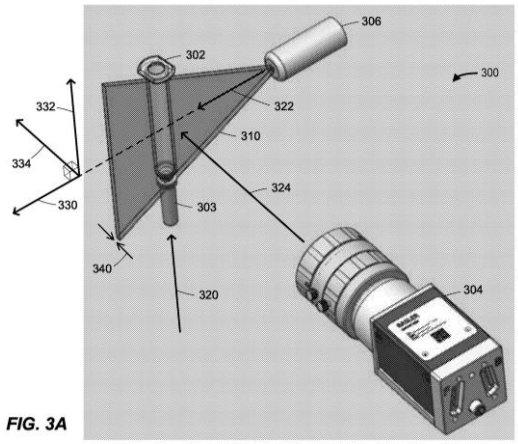
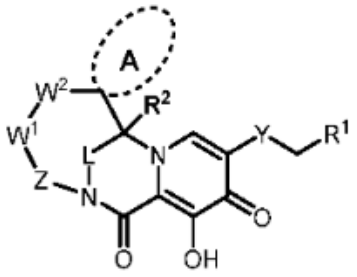


FIG. 3A

21: 2024/06990. 22: 2024/09/11. 43: 2025/03/17
51: A61K; C07D; A61P
71: GILEAD SCIENCES, INC.
72: CHU, HANG, GONZALEZ BUENROSTRO, ANA Z., HAN, XIAOCHUN, HURTLEY, ANNA E., JIANG, LAN, LI, JIAYAO, SCHWARZWALDER, GREGG M., SHIVAKUMAR, DEVLEENA M., VON BARGEN, MATTHEW J., WU, QIAOYIN, YANG, HONG
33: US 31: 63/328,061 32: 2022-04-06
33: US 31: 63/476,873 32: 2022-12-22
54: BRIDGED TRICYCLIC CARBAMOYLPYRIDONE COMPOUNDS AND USES THEREOF
00: -
The present disclosure relates generally to compounds, of Formula I: Also disclosed are pharmaceutical compositions comprising said compounds and methods of making said compounds. The compounds of the disclosure are useful in treating or preventing human immunodeficiency virus (HIV) infection.

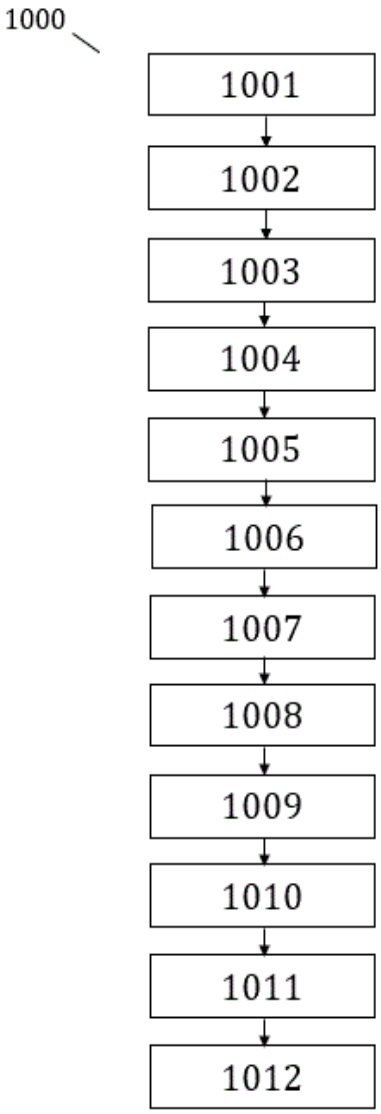


I

21: 2024/07003. 22: 2024/09/11. 43: 2025/03/17
51: G06Q; H04W
71: Rajiv Singh
72: Rajiv Singh
33: IN 31: 202211014941 32: 2022-03-17
54: METHOD AND SYSTEM FOR PROVIDING A PLATFORM TO ENABLE SOCIAL COLLABORATION IN A SINGLE THREAD IN SEAMLESS MANNER
00: -
A technique is provided for providing a platform to enable social collaboration and resource sharing. The technique includes registering users on the platform and receiving location codes of interest to a user, basis which a set of users within a pre-defined area are identified. The identification is based on a correlation of location codes of the user and remaining registered users. Based on inputs received from the user, posts comprising information relating to the location codes are created automatically created based on artificial intelligence (AI). The created posts are shared with the identified set of users in a newsfeed to enable collaboration in sharing of resources between the user and users from the set. From a second user from the set of users, responses associated with the posts are received and a collaborative sharing of resources between the user and the second user is enabled.

21: 2024/07008. 22: 2024/09/11. 43: 2025/03/17
51: G06F; G06Q
71: ROGACHEV Igor Petrovich
72: ROGACHEV Igor Petrovich
33: RU 31: 2024118087 32: 2024-06-29
54: METHOD OF TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT
00: -

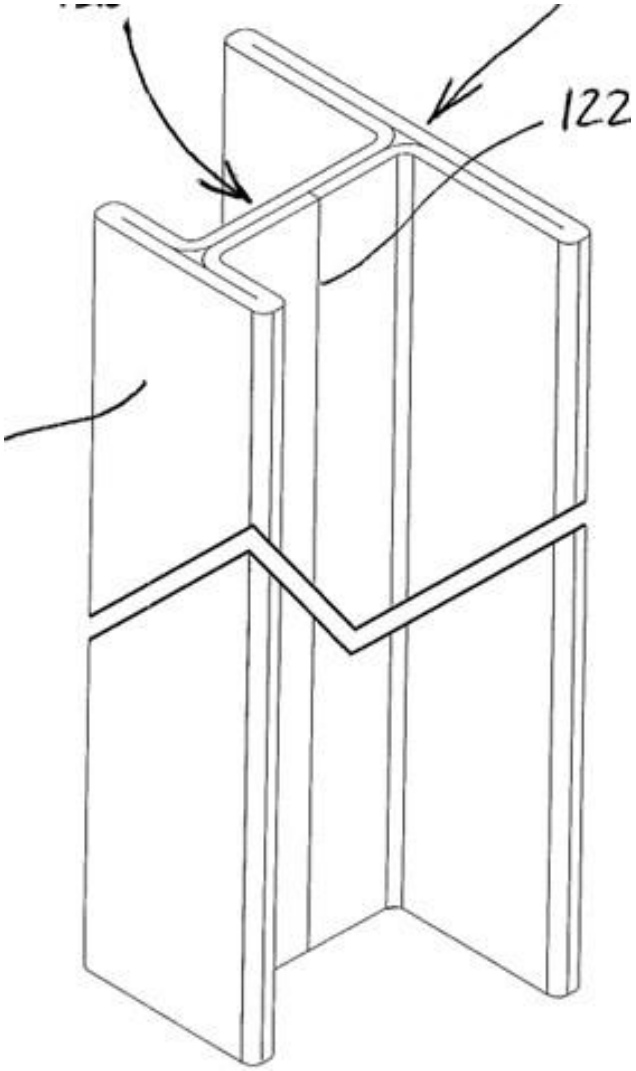
The group of inventions relates to solutions in the field of processing data arrays, in particular, to solutions in the field of processing digitized documents containing information objects such as text and/or images, and can be used to transform a digitized document for efficient indexing of its elements and accurate search. The technical problem solved by the claimed invention is the creation of inventions that do not have the disadvantages of the closest analogue and thus have increased efficiency in processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them. Another technical problem solved by the claimed invention is the expansion of the arsenal of technical means - methods for converting structured data arrays containing information objects of digitized documents. The technical result achieved by implementing the claimed invention, in addition to realizing its purpose, is the elimination of the disadvantages of the closest analogue and thus an increase in the efficiency of processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them.



21: 2024/07013. 22: 2024/09/12. 43: 2025/03/25
51: E06B
71: AVAX SA 407 CC
72: COETZEE, Quentin
54: METHOD OF MANUFACTURING A MULLION PROFILE FOR A WINDOW FRAME
00: -

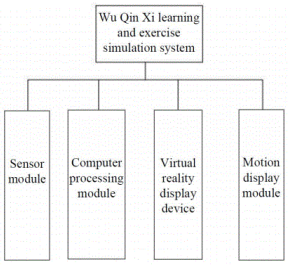
The invention relates to a method of forming an H-shaped metal profile for use in structural applications, such as building frames or supports. A sheet of metal is passed through multiple sets of rollers, progressively shaping it by forming channels and bending walls and bases to create a profile with two flanges and a web. Optionally, lips extending from the channels may be included to enhance the seam. Side-rollers assist in bending, and the method allows for precise cutting by measuring the metal

length. The metal can be galvanised steel, stainless steel, or aluminium.



21: 2024/07016. 22: 2024/09/12. 43: 2025/03/17
51: G06T
71: Anhui University of Chinese Medicine
72: WANG, Yue
54: WU QIN XI LEARNING AND EXERCISE SIMULATION SYSTEM
00: -

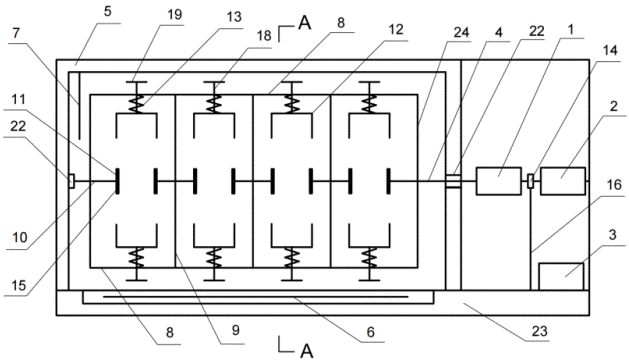
The present invention discloses a Wu Qin Xi learning and exercise simulation system, relating to the technical field of Wushu learning systems. The system includes a sensor module worn on the body of a learner and configured for sensing a body posture and motion information about the learner; a computer processing module configured for recognizing the body posture of the learner using a body posture and motion recognition algorithm on the received body posture and motion information, completing real-time image processing and motion tracking, and generating real-time guidance feedback information; a virtual reality display device configured for displaying a virtual environment and real-time body motions of the user to improve the user experience effect; and a motion display module configured for assisting the user to know correct motions and practice methods of Wu Qin Xi through friendly interaction design and guidance.



21: 2024/07017. 22: 2024/09/12. 43: 2025/03/17
51: G01N
71: Guangxi China Railway Nanheng Expressway Co., Ltd, Guangxi University
72: Shengli WANG, Wanbo ZHONG, Wenguo HUANG, Anbin SHEN, Feng ZHANG, Aimin FAN, Xing ZHENG, Bo XIE, Xuening ZHOU, Shijie JIA, Songsuo SHEN, Pan RAN, Yao WANG, Meng WEI, Shifeng ZHU, Peng GUO, Yunya PING, Jianfeng LIAO
54: A KIND OF SOLID WASTE ASPHALT MIXTURE VIBRATION CONSTANT TEMPERATURE OVERTURNING VIBRATION EQUIPMENT
00: -

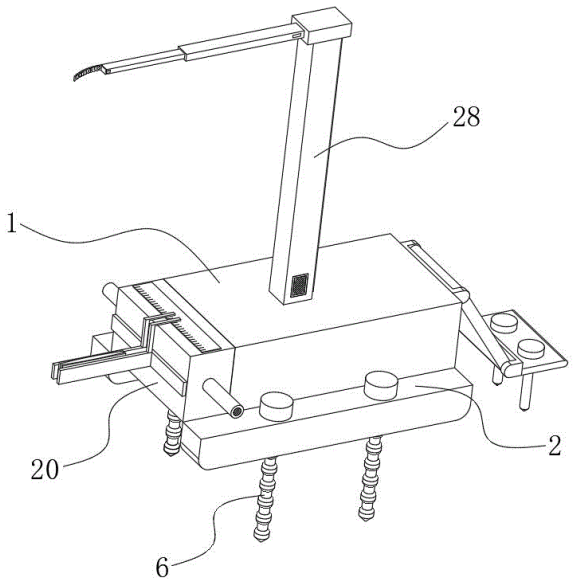
The utility model provides a solid waste asphalt mixture vibration constant-temperature tilting vibration device, comprising an electric motor, a vibrating machine, a temperature control system, a rotating main shaft, an insulating layer, a heating guide wire, a temperature sensor, a transverse fixed rod, a longitudinal fixed branch rod, a connecting rod, a side support plate, a cylindrical sleeve, a strong spring, a bearing, a foam muffler plate, a support rod, a parameter adjustment display screen, a bolt fixed rod, a rotating nut, a glass window, a door handle, a spring support, a base, a longitudinal fixed main rod, an outer frame and a device door. During the turning process of the utility model, temperature control and shaft vibration are added to effectively simulate the leaching environment of the

total hazardous substances of solid wastes in the actual asphalt pavement.



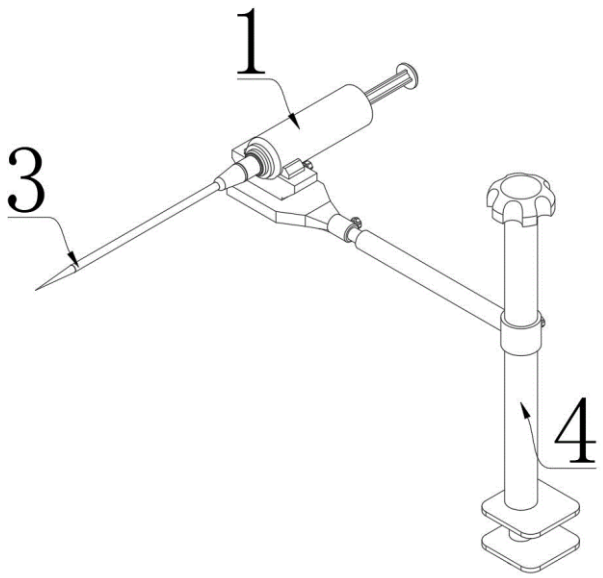
21: 2024/07018. 22: 2024/09/12. 43: 2025/03/17
51: A01G
71: Jilin Provincial Academy of Forestry Sciences (Jilin Forestry Biological Control Center Station)
72: Shigang Chen, Jing Tao, Zhenhua Ma, Yang Zhang, Siyu Chen, Huanyu Dong
33: CN 31: 202411222943.9 32: 2024-09-02
54: A METHOD FOR OBSERVING THE GROWTH OF ARBOR SPECIES
00: -

The invention discloses a method for observing the growth of arbor species. The front and rear ends of the bottom box are both fixedly connected with a base, and the bottom end of the inner wall of the threaded sleeve is fixedly connected with a rubber ring. The top of the inner wall of the rubber ring is threadedly connected with a threaded shaft. The spring column consists of a spring cylinder, a spring, a column, and a ventilation net. The spring cylinder is sleeved on the outer wall of the spring, which can protect the spring and thus avoid rusting. When the spring column stretches freely, it allows the slider, clamping plate, and first L-shaped indicator rod to slide more stably. By setting a hollow box, the spring column can be protected. The baffle can cover part of the area of the sliding groove frame, specifically the area where the slider is about to move, thus preventing external dust or moisture from accumulating in the area where the slider is about to slide. This helps improve the stability of the slider and clamping plate during sliding, not only avoiding deformation of the outer bark of the tree but also improving the accuracy of the observation data.



21: 2024/07019. 22: 2024/09/12. 43: 2025/03/17
51: A61M
71: HAINAN CANCER HOSPITAL
72: Zhiheng Wang, Shixin Gao, Jintang Huang
54: A RADIOACTIVE PARTICLE IMPLANTER AND MULTI-ANGLE PARTICLE IMPLANTATION DEVICE
00: -

The present invention relates to the field of medical devices, and discloses a radioactive particle implanter. This radioactive particle implanter includes an implantation tube, inside which an injection structure is installed. The front end of the implantation tube is integrally formed with a connection plug, and the interior of the connection plug is in communication with the interior of the implantation tube. A multi-angle injection needle assembly is connected to the exterior of the connection plug. The multi-angle injection needle assembly rotates to perform multi-angle injections. By setting the injection port on the outer wall of the implantation needle tube, when the rotating seat connector rotates and drives the implantation needle tube to move, the angle of the injection port changes. This enables effective implantation of particles around the outer circumference of the implantation needle tube, enhancing the implantation range and diffusion speed while reducing the number of punctures.



21: 2024/07023. 22: 2024/09/12. 43: 2025/03/17
51: A61B; A61K; A61M; A61P
71: JOHN HEMMING TRADING LTD
72: HEMMING, John
33: GB 31: 2204443.2 32: 2022-03-29
54: SLEEP THERAPY
00: -
The invention relates to methods for optimising the transition from sleep to wake in a subject comprising administering to the subject a composition comprising melatonin. The invention also relates to compositions and kits for use in said methods.

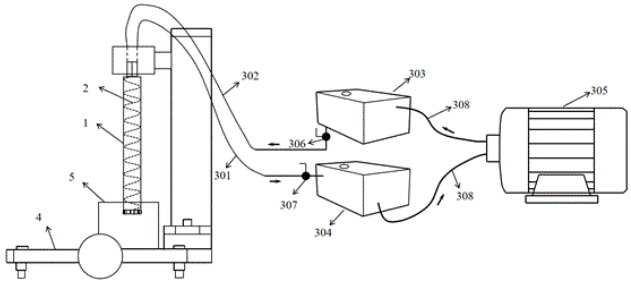
21: 2024/07031. 22: 2024/09/12. 43: 2025/03/17
51: A01N
71: Hebei Chemical & Pharmaceutical College
72: Ding Yue
33: CN 31: 202410226398.4 32: 2024-02-29
54: A PREPARATION METHOD FOR A HERBICIDAL COMPOSITION CONTAINING TEMBOTRIONE
00: -
This invention discloses a preparation method for herbicidal composition containing tembotrione, which specifically includes the following steps: tembotrione, oxaziclomefone, and a modified coconut oil barrel mixing adjuvant are placed into a stirring tank. After thorough stirring, the mixture is drawn into a high-speed shearing machine for shearing, and then pumped into a sand mill for thorough sand grinding. This invention pertains to the field of herbicidal composition preparation technology. Owing to the anti-inflammatory, antioxidant, anticancer, and skin moisturizing properties of coconut oil, it is modified during the preparation process to produce a modified coconut oil barrel mixing adjuvant, which is then added to the composition. The drying time can be shortened by reducing the contact angle between the solution and the leaves as well as the surface tension of the solution, thus producing a synergistic effect that enhances its herbicidal efficacy. At the same time, the dosage required is also reduced.

21: 2024/07032. 22: 2024/09/12. 43: 2025/03/17
51: A01N
71: Hebei Chemical & Pharmaceutical College
72: Ding Yue
33: CN 31: 202410414364.8 32: 2024-04-08
54: A FUNGICIDE CONTAINING FLUDIOXONIL AND ITS PREPARATION METHOD
00: -
This invention concerns a fungicide containing fludioxonil and its preparation method. The fungicide employs fludioxonil as one active ingredient and florylpicoxamid as another. The mass ratio of fludioxonil to florylpicoxamid ranges from 1:10 to 10:1. The fungicide of this invention comprises two active ingredients with different mechanisms of action. When formulated in a specific proportion, a significant synergistic effect is observed, enhancing the preventative and control effectiveness. This also aids in overcoming and delaying the development of pathogen resistance. Furthermore, the mixing of these agents reduces the dosage required, thereby decreasing costs and alleviating environmental pollution.

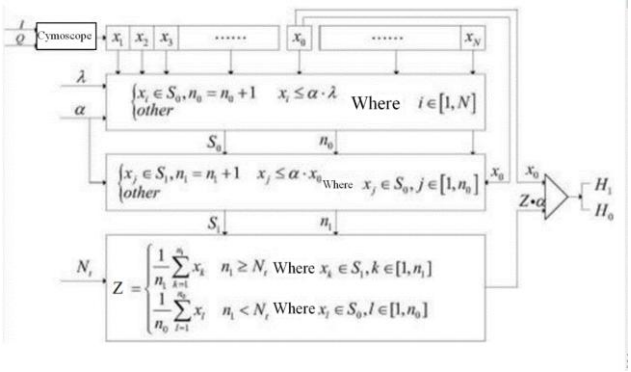
21: 2024/07033. 22: 2024/09/12. 43: 2025/03/17
51: A01N
71: Hebei Chemical & Pharmaceutical College
72: Ding Yue
33: CN 31: 202410118944.2 32: 2024-01-29
54: A METHOD OF PREPARING A FUNGICIDE CONTAINING PROTHIOCONAZOLE
00: -
The present invention discloses a method of preparing a fungicide containing prothioconazole, specifically comprising the following preparation steps: S1:active component A and active component B are added to the shear kettle, mixed well, and homogenized and sheared; S2:the binder is then

added and the homogenizing shear continues; S3:add the surfactant and mix well; S4:firstly, high-speed shear for primary crushing, and then transferred to the continuous sand mill for grinding, that is, to obtain the fungicide; the present invention relates to the technical field of fungicide preparation. The method for the preparation of a fungicide containing prothioconazole, Prothioconazole is compounded with Pydiflumetofen, Thifluzamide, Tebuconazole, Pyraclostrobin, and Fludioxonil in different ratios, so as to screen the optimal formulation and improve the bactericidal effect of the prothioconazole-containing fungicides.

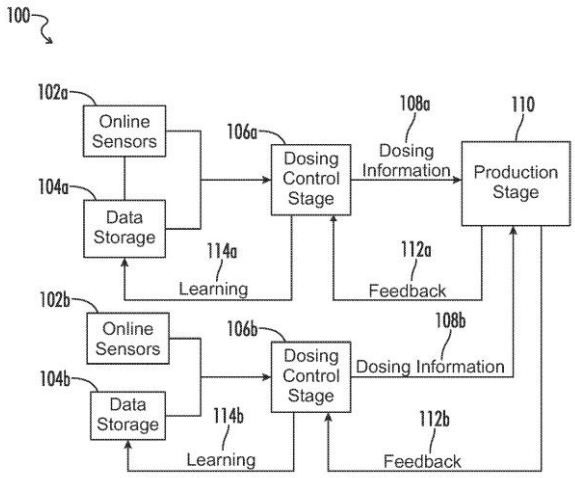
21: 2024/07048. 22: 2024/09/13. 43: 2025/03/17
51: G01N
71: Guangxi Xinfazhan Communications Group Co., Ltd., Guangxi Communications Design Group Co., Ltd., Tongji University, Shanghai Baoye Group Corp., Ltd.
72: LAI Zengwei, LIU Xianlin, LYU Xilin, ZHU Changgen, JIAO Wencan, SHAO Yu, CHEN Chuan, LI Zongwen, TANG Zhenghui, LI Mingzhi, LI Yishan, YU Dabian, LIANG Lan, ZHANG Hai, XU Kefeng
33: CN 31: 2024110025282 32: 2024-07-25
54: EFFICIENT AND HIGH FIDELITY CORE EXTRACTION METHOD FOR WEAK ROCK MASSES
00: -
The present invention belongs to the field of core sampling technology, and particularly relates to a device and method for cooling, resistance reduction, nondestructive and precise coring of weak rock; where, a device for cooling, resistance reduction, nondestructive and precise coring of weak rock includes a rock coring machine; a coring bit, fixedly connected to an output shaft of the rock coring machine; a double helical runner structure, arranged on the side wall of the coring bit; a cooling system, connected with the double helical runner structure for heat dissipation of the coring bit; a weak rock, placed on the storage platform of the rock coring machine; and a method for cooling, resistance reduction, nondestructive and precise coring of weak rock. This device reduces the temperature of the coring bit by setting a double helical runner structure inside the coring bit, the coolant flows circularly in the double helical runner structure through the cooling system and absorbs the heat generated when drilling the core; the coolant flows in the double helix runner structure without contacting with the weak rock, so as to avoid the softening and destructive effect of the coolant on the weak rock.



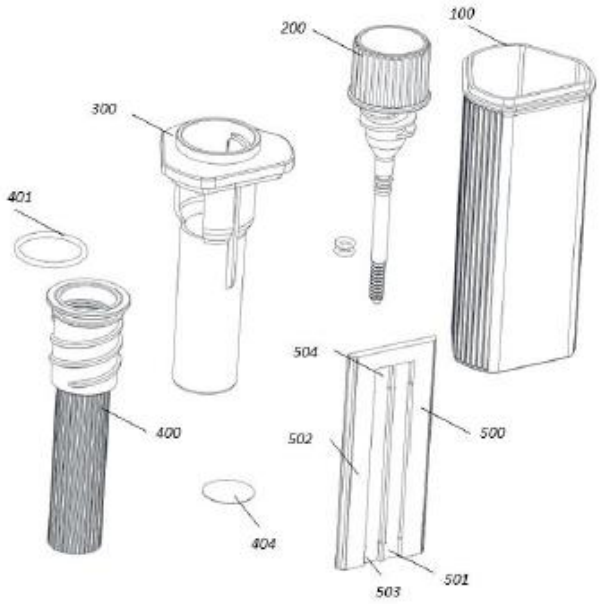
21: 2024/07050. 22: 2024/09/13. 43: 2025/03/17
51: G06F
71: Anhui Polytechnic University, Electronic Radar (Wuhu) Technology CO.,Ltd, Yangtze River Delta HIT Robot Technology Research Institute
72: LIU Guiru, WANG Lulin, SUN Jian, WANG Wei, CHEN Shuang
54: CONSTANT FALSE ALARM RATE TARGET DETECTION METHOD BASED ON AUTOMATIC CENSORING
00: -
The invention discloses a constant false alarm rate (CFAR) target detection method based on automatic censoring, which includes the following steps: obtaining a radar echo signal returned from the detection area; eliminating maximum reference cells in the radar echo signal to obtain a first echo signal; estimating the background noise power in the first echo signal to obtain a second echo signal; calculating a power detection threshold based on the second echo signal; based on the power detection threshold, the detection target is discriminated. The invention solves the technical problems that the existing detection method has low detection performances, over-high missed detection rate and false alarm rate, and depends on prior knowledge when determining the maximum and minimum power censoring thresholds. It has the advantages of high target detection rate and low missed alarm rate.



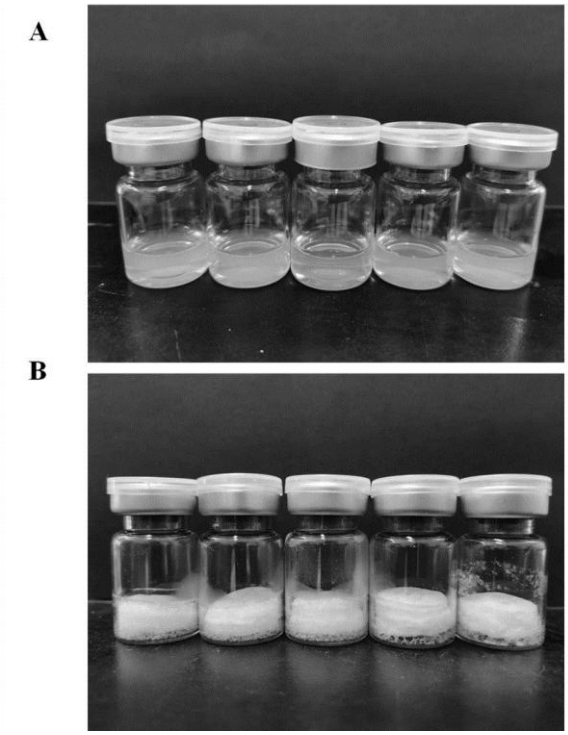
21: 2024/07054. 22: 2024/09/13. 43: 2025/03/19
51: D21H
71: BUCKMAN LABORATORIES INTERNATIONAL, INC.
72: REED, Mark, LI, Feiran, CARTER, John
33: US 31: 63/125,250 32: 2020-12-14
54: SYSTEM AND METHOD OF DYNAMIC CORRECTIVE ENZYME SELECTION AND FORMULATION FOR PULP AND PAPER PRODUCTION
00: -
Systems and methods as disclosed herein automatically provide real-time dosing corrections for an industrial process wherein enzyme blends are applied to natural fibers for pulp/ paper production. An initial enzyme blend (e.g., enzymes and supporting formulation components, as relevant) and respective dose rates are selected to be applied based on expected fiber surface substrate characterization, expected fiber quality characterization, the physical conditions of the system being treated, respective characteristics of the initially selected enzyme blend components, etc. Upon application of the initial enzyme blend, online sensors provide real-time feedback data corresponding to measured actual values for the fiber surface substrate characterization and fiber quality characterization. A replacement enzyme blend (enzymes and supporting formulation components) and respective dose rates thereof is dynamically selected based on the feedback data. The enzyme dosing stage can be optimized responsive to product changes and/or variations in fiber sources/blend and/or physical conditions, substantially in real time.



21: 2024/07056. 22: 2024/09/13. 43: 2025/03/17
51: A61B; G01N
71: ZHEJIANG ORIENT GENE BIOTECH CO., LTD
72: SHEN, Lili, LEI, Siyu, FANG, Jianqiu
33: CN 31: 2024103980611 32: 2024-04-02
54: TEST DEVICE
00: -
The invention provides a device, and the device includes: a sample chamber for receiving a sample collector, where the sample chamber is provided with an easy-to-pierce sealing film; and an accommodating chamber for receiving the sample chamber, where the accommodating chamber includes a piercing element for piercing the sealing film to release a liquid in the sample chamber therein, and a blade structure for laterally cutting the sealing film.



21: 2024/07063. 22: 2024/09/13. 43: 2025/03/18
51: A61K
71: THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU MEDICAL CENTER FOR CRITICAI PREGNANT WOMEN;GUANGZHOU ROUJI HOSPITAL)
72: Senling FENG, Hongliang HUANG, Zhongwen YUAN, Yingying DUAN
33: CN 31: 202310479618X 32: 2023-04-28
54: TANGERETIN NANOLIPOSOME FREEZE-DRIED FORMULATION AND PREPARATION METHOD THEREFOR
00: -
The present invention provides a tangeretin nanoliposome freeze-dried formulation and a preparation method therefor. The preparation method includes the following steps: S1. adding tangeretin and a phospholipid carrier to an organic solvent, and performing uniform mixing to obtain an organic phase; S2. adding sodium cholesteryl sulfate to water, and performing uniform ultrasonic dispersion to obtain an aqueous phase; S3. pouring the organic phase obtained in the step S1 into the aqueous phase obtained in the step S2, and performing ultrasonic processing with a probe under ice bath conditions for 2-3 min to form O/W type primary emulsion; S4. performing magnetic stirring on the O/W type primary emulsion obtained in the step S3 under 45 degrees celsius water bath conditions for 15-20 min, and performing ultrasonic processing with the probe for 8-10 s to obtain emulsion; and S5. filtering the emulsion obtained in the step S4 with a microfiltration membrane, performing centrifuging for 5-15 min, taking a supernatant to obtain a liposome solution, and freeze-drying the liposome solution to obtain the tangeretin nanoliposome freeze-dried formulation. The tangeretin nanoliposome freeze-dried formulation provided by the present invention can effectively control a slow release speed of the tangeretin, and is good in solubility in an aqueous solution and strong in anti-tumor drug efficacy.



21: 2024/07092. 22: 2024/09/16. 43: 2025/03/18
51: G06N
71: Dr. CHITHIRAI PON SELVAN MUTHU PERUMAL, RAUNAQ DUBEY, Dr. ARUL KUMAR, Dr. OM KUMAR, AADITHYAN VEERACHANDRAN THIRUVENGADAM, SURYA GOVINDARAJ
72: Dr. CHITHIRAI PON SELVAN MUTHU PERUMAL, RAUNAQ DUBEY, Dr. ARUL KUMAR, Dr. OM KUMAR, AADITHYAN VEERACHANDRAN THIRUVENGADAM, SURYA GOVINDARAJ
54: AN ARTIFICIALLY INTELLIGENT – MACHINE LEARNING BASED SELF ALIGNING SUSPENSION SYSTEM
00: -
A system and method of self-aligning automotive suspensions (100) includes a navigation unit(109) to determine location and route of travel of the

vehicle(100A) in real-time; and one or more processors(105 & 208) coupled with memory. The one or more processors transmit speed breaker or pothole data in a determined route to the database(106) and receive predefined settings for shock absorbing elements(201) stored in a database coupled to one or more processors(105 & 208) corresponding to a route of travel of the vehicle(100A); and the one or more processors(105 & 208) determine suspension fluid pressure or magnetic pressure of any of a plurality of shock absorbing elements(201) of the vehicle based on the vehicle type and received location of the vehicle and the predefined settings. The one or more processors control any of the plurality of shock absorbing elements based on the determined route in real-time.

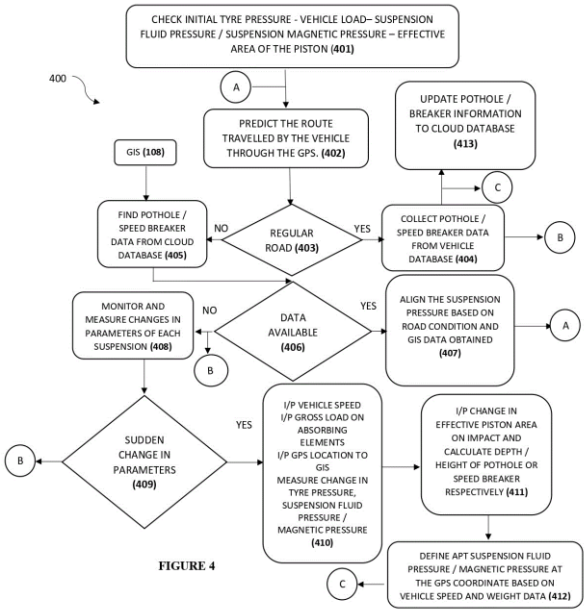
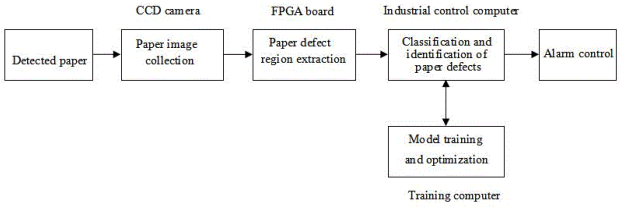


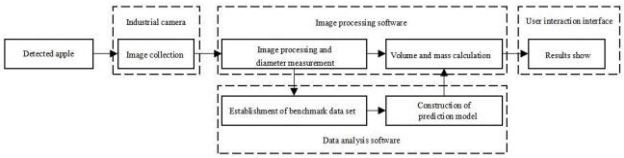
FIGURE 4

21: 2024/07093. 22: 2024/09/16. 43: 2025/03/18
51: G06T
71: Jiaxing Vocational & Technical College
72: Wenjun Gu, Qiang Li, Xia Sun, Yi Zhou, Zhicheng Gong, Yuhao Wu, Muyuan Wu
54: PAPER DEFECT DETECTION ALGORITHM BASED ON CONVOLUTIONAL NEURAL NETWORK
00: -
The invention relates to a paper defect detection algorithm based on convolutional neural network, aiming at improving the automation and accuracy of paper defect detection in the paper industry. The algorithm is realized by the following steps: firstly, collecting high-resolution images of the paper surface in real time by using a CCD camera; then, performing image preprocessing through FPGA board, including denoising and background area difference processing to enhance the features of paper defects; then, using edge detection and morphological operation to extract the paper defect region; further constructing and training a deep convolution neural network model, which automatically extracts features and classifies them by learning the labeled paper defect image data set; finally, applying the trained model to real-time images to realize rapid identification of different types of paper defects. The system adopts the structure of "CCD + FPGA + industrial control computer + training computer", which not only meets the real-time requirements of production line, but also improves the reliability and accuracy of detection through continuous data feedback optimization model. The application of the invention significantly reduces the requirement of manual detection, reduces the product quality problems and production costs caused by paper defects, and provides an efficient and reliable paper defect detection solution for the paper industry.

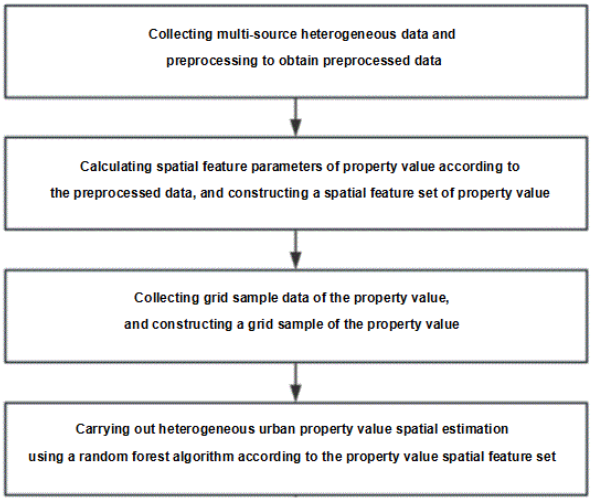


21: 2024/07094. 22: 2024/09/16. 43: 2025/03/18
51: G01N
71: Jiaxing Vocational & Technical College, Zhejiang Redboat Executive Leadership Academy
72: Wenjun Gu, Qiang Li, Ping Zhu, Yi Zhou, Xia Sun, Yuhao Wu, Chunfang Gao, Haiping Jiang
54: RAPID MEASUREMENT METHOD OF APPLE VOLUME AND WEIGHT BASED ON MACHINE VISION AND MACHINE LEARNING ALGORITHM
00: -
The invention provides a rapid measurement method of apple volume and weight based on machine vision and machine learning algorithm, aiming at improving the measurement efficiency and accuracy in modern agriculture. This method includes image collection using high-resolution industrial camera,

image preprocessing, adaptive image segmentation based on threshold, edge extraction and diameter measurement through projection area method and morphological operation. The benchmark data set is established by drainage method and weighing method, and the parameters are optimized by polynomial regression model combined with least square method and cross-validation technology to realize efficient prediction of apple volume and quality. The integrated system design, equipped with efficient image processing software and user-friendly interactive interface, ensures the automation and real-time of the measurement process and meets the demand of modern agriculture for automatic and intelligent measurement solutions.

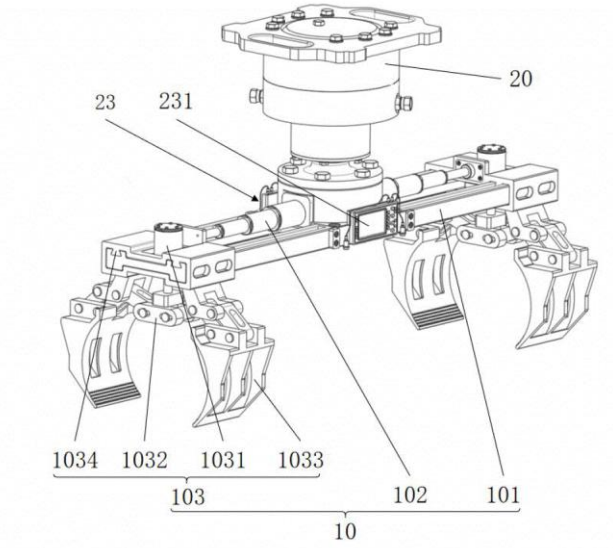


21: 2024/07095. 22: 2024/09/16. 43: 2025/03/18
51: G06Q
71: China Institute of Water Resources and Hydropower Research
72: JIANG Wei, YAN Denghua, ZHANG Hongbin, PANG Zhiguo, LONG Tengfei, CUI Shiai, LI Xiaotao, LIU Jie
54: METHOD FOR HETEROGENEOUS PROPERTY VALUE REMOTE SENSING ESTIMATION AT LARGE SCALE
00: -
The present invention discloses a method for heterogeneous property value remote sensing estimation at large scale, firstly collecting multi-source heterogeneous data of a city and preprocessing to obtain preprocessed data; then calculating spatial feature parameters of property value according to the preprocessed data, and constructing a spatial feature set of property value; then collecting grid sample data of the property value, and constructing a grid sample of the property value; and finally carrying out heterogeneous property value spatial estimation using a random forest algorithm according to the property value spatial feature set. The present invention overcomes the weakness of large error of property value estimation with administrative boundary as statistical unit, and helps to improve the accuracy of spatial estimation of property value, and is applicable to the fields of rapid assessment of natural disasters, risk early warning, disaster loss claims.



21: 2024/07096. 22: 2024/09/16. 43: 2025/03/18
51: B25J
71: XINJIANG INTELLIGENT EQUIPMENT RESEARCH INSTITUTE, TAIYUAN UNIVERSITY OF TECHNOLOGY
72: Dongping He, Qin Cheng, Changhua Chen, Ming Wang, Rongli Zhang, Sainan Wang, Xuefen Wang, Shanshan Zuo, Ziheng Duan, Huidong Xu
33: CN 31: CN202311235297.5 32: 2023-09-25
54: A LARGE SHAFT FORGING MATERIAL PICKING ROBOT
00: -
The invention discloses a large shaft forging feeding robot.It related to shaft forging forming technology, so as to solve the problem of narrow size range of applicable shaft forgings for large shaft forgings. The large shaft forging feeding robot includes a clamp device, the clamp hydraulic system and the walking device. The clamp device includes a guide rail, at least two clamp adjusting hydraulic cylinders and at least two sets of clamps assemblies.Each clamp adjusting hydraulic cylinder are connected to its corresponding clamp assemblies power.The clamps assemblies and the guide rail are slide-connected and the clamps assemblies are used for clamping the large shaft forging; the clamp hydraulic system and the clamp adjusting hydraulic cylinder are connected with power to drive the clamp assembly to slide on the guide rail; The walking device and the clamp device is used to drive the clamp device movement. The invention provide large shaft forgings feeding robot which is used for material

handling of super large shaft forgings of different sizes to ensure clamping stability and improve the degree of automation.



21: 2024/07104. 22: 2024/09/16. 43: 2025/03/18
51: B01D; E03B
71: BRY AIR (ASIA) PVT. LTD.
72: PAHWA, Varun, PAHWA, Deepak, MALIK, Kuldeep, MALIK, Manish, SACHDEV, Rajan, REZK, Dr. Ahmed
33: IN 31: 202211015520 32: 2022-03-21

54: AN ADSORPTION MOISTURE PUMP BASED AIR TO WATER HARVESTING DEVICE AND A METHOD THEREOF

00: -

The present invention relates to an adsorption moisture pump based air to water harvesting device and a method of harvesting water from ambient air. The water harvesting device [1100] comprises a rotary desiccant unit, a heat pump unit [1104] and a control unit. The rotary desiccant unit comprises a desiccant wheel [102], a reactivation air inlet [1108a], a reactivation air outlet [1108b], a process air inlet [1106a] and a process air outlet [1106b]. The desiccant wheel [1102] comprises at least a process sector [1106] and a reactivation sector [1108] and a wheel drive. The heat pump unit [1104] comprises at least one compressor, an expansion valve [1116], an evaporator [1112], a main condenser [1110], and such that a refrigerant fluid is flown sequentially within the compressor [1114], the main condenser [1110], the expansion valve [1116], and the evaporator [1112].

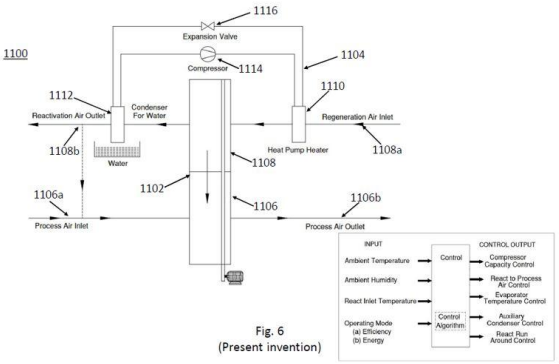


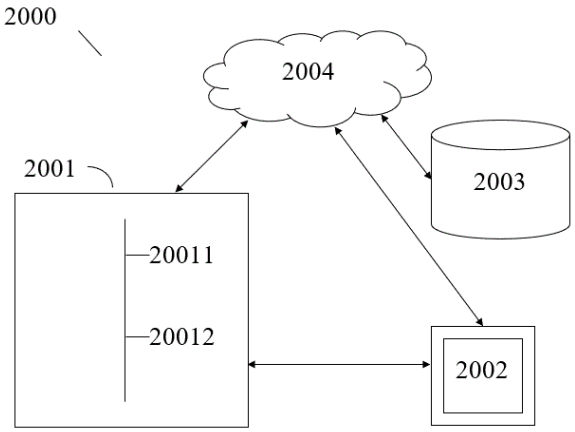
Fig. 6
(Present invention)

21: 2024/07118. 22: 2024/09/17. 43: 2025/03/18
51: G06F; G06Q
71: ROGACHEV Igor Petrovich
72: ROGACHEV Igor Petrovich
33: RU 31: 2024118088 32: 2024-06-29

54: DEVICE FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT

00: -

The group of inventions relates to solutions in the field of processing data arrays, in particular, to solutions in the field of processing digitized documents containing information objects such as text and/or images, and can be used to transform a digitized document for efficient indexing of its elements and accurate search. The technical problem solved by the claimed invention is the creation of inventions that do not have the disadvantages of the closest analogue and thus have increased efficiency in processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them. Another technical problem solved by the claimed invention is the expansion of the arsenal of technical means - methods for converting structured data arrays containing information objects of digitized documents. The technical result achieved by implementing the claimed invention, in addition to realizing its purpose, is the elimination of the disadvantages of the closest analogue and thus an increase in the efficiency of processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them.

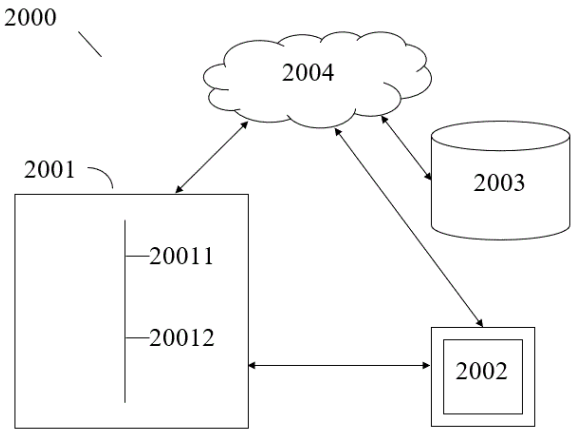


21: 2024/07119. 22: 2024/09/17. 43: 2025/03/18
51: G06F; G06Q
71: ROGACHEV Igor Petrovich
72: ROGACHEV Igor Petrovich
33: RU 31: 2024118091 32: 2024-06-29

54: MACHINE READABLE MEDIUM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT

00: -

The group of inventions relates to solutions in the field of processing data arrays, in particular, to solutions in the field of processing digitized documents containing information objects such as text and/or images, and can be used to transform a digitized document for efficient indexing of its elements and accurate search. The technical problem solved by the claimed invention is the creation of inventions that do not have the disadvantages of the closest analogue and thus have increased efficiency in processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them. Another technical problem solved by the claimed invention is the expansion of the arsenal of technical means - methods for converting structured data arrays containing information objects of digitized documents. The technical result achieved by implementing the claimed invention, in addition to realizing its purpose, is the elimination of the disadvantages of the closest analogue and thus an increase in the efficiency of processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them.



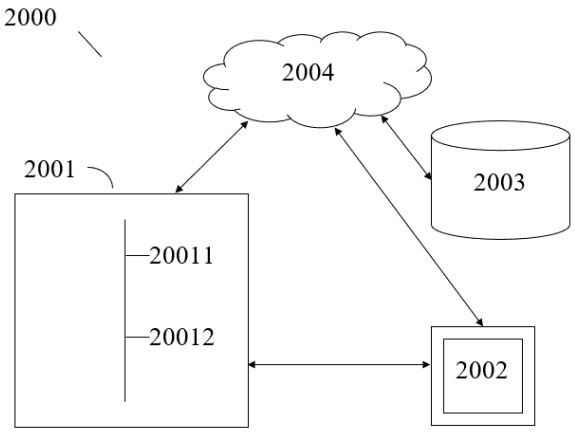
21: 2024/07120. 22: 2024/09/17. 43: 2025/03/18
51: G06F; G06Q
71: ROGACHEV Igor Petrovich
72: ROGACHEV Igor Petrovich
33: RU 31: 2024118156 32: 2024-06-29

54: MACHINE READABLE MEDIUM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT

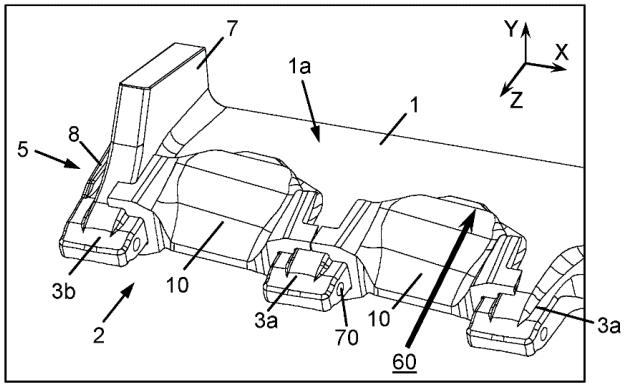
00: -

The group of inventions relates to solutions in the field of processing data arrays, in particular, to solutions in the field of processing digitized documents containing information objects such as text and/or images, and can be used to transform a digitized document for efficient indexing of its elements and accurate search. The technical problem solved by the claimed invention is the creation of inventions that do not have the disadvantages of the closest analogue and thus have increased efficiency in processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them. Another technical problem solved by the claimed invention is the expansion of the arsenal of technical means - methods for converting structured data arrays containing information objects of digitized documents. The technical result achieved by implementing the claimed invention, in addition to realizing its purpose, is the elimination of the disadvantages of the closest analogue and thus an increase in the efficiency of processing digitized documents for subsequent indexing of its elements,

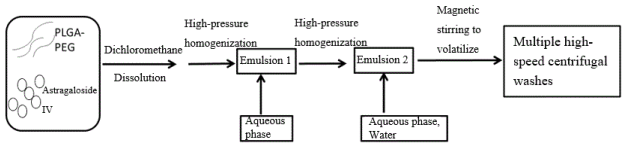
their processing and conducting searches using them.



21: 2024/07134. 22: 2024/09/17. 43: 2025/03/18
51: E02F
71: METALOGENIA RESEARCH & TECHNOLOGIES S.L.
72: AMAT HOLGADO, Carlos
33: EP 31: 22382199.2 32: 2022-03-03
54: PINLESS SHROUDS FOR EARTH MOVING MACHINES
00: -
A pinless shroud for a front edge of a lip of an earth moving machine, comprising a body adapted to couple with the front edge; the body comprising two opposite C-shaped members adapted for sliding each member along one nose of the lip to make the body contact the front edge. Also, a pinless shroud for a lateral edge of a lip of an earth moving machine, comprising a body adapted to couple with the lateral edge; the body being C-shaped, the body comprising at least one recess on one of the two side portions, the at least one recess being adapted for sliding the body along a protruding guide of the lip, and an opening of the C-shaped body that gets larger in cross-section as more inwards in the lip, along the sliding direction, that the cross-section of the opening is taken.



21: 2024/07142. 22: 2024/09/18. 43: 2025/03/18
51: A61K
71: Guangdong Medical University
72: ZHAO Yue, JIN Hua, ZHOU Zhikun, SHEN Xin, LIU Jiahao
33: CN 31: 202311333489X 32: 2023-10-16
54: PREPARATION METHOD OF ORAL ASTRAGALOSIDE IV NANO-PREPARATION AND APPLICATIONS THEREOF
00: -
The present invention discloses a preparation method of oral Astragaloside IV Nano-preparation and applications thereof, belonging to the technical field of biomedicine. The present invention discloses a preparation method of oral Astragaloside IV Nano-preparation, which uses a nanosphere or microsphere delivery system to improve the bioavailability of Astragaloside IV through sustained and controlled release, and achieves the purpose of reversing fatty liver by targeting the liver. By nanoemulsifying Astragaloside IV, the present invention remarkably improves the water solubility of poorly soluble small molecule drugs, greatly improves the bioavailability and absorption efficiency of digestive tract immune cells; and has the effects of treating non-alcoholic fatty liver, reducing weight and fat, and lowering blood sugar.



21: 2024/07143. 22: 2024/09/18. 43: 2025/03/18
51: A01G
71: Institute of Plant Nutrition, Resources and Environment, Henan Academy of Agricultural Sciences

72: Yunhong ZHANG, Sensen ZHANG, Yonghui YANG, Cuimin GAO, Weifeng HAN, Hao LIU, Peng LUO, Fang HE, Xiaoying PAN

54: BAUXITE ORE-BASED ACIDIC NUTRIENT SOIL FOR FLOWER AND PLANT, PREPARATION METHOD THEREFOR, AND USE THEREOF

00: -

The present disclosure relates to a bauxite ore-based acidic nutrient soil, and a preparation method therefor and the use thereof. The raw materials for the bauxite ore-based acidic nutrient soil include an acidic garden soil, a bauxite tailing, a magnesium hydride, an wood ash, a vermiculite, a seaweed organic fertilizer, a humic acid slow-release fertilizer and a microbial agent. The mass ratio of these components is (1000.0–1000.9):(2.0–2.9):(2.0–2.9):(160.0–160.9):(200.0–200.9):(240.0–240.9):(8.0–8.9):(1.0–1.9). According to the disclosure, an acidic nutrient soil product, prepared using the acidic garden soil and the bauxite tailing, is weakly acidic (pH=4.5–6.5), rich in organic matter and mineral nutrients, and can be used in the cultivation of acidophilous flowers and plants.

21: 2024/07144. 22: 2024/09/18. 43: 2025/03/18

51: G07F

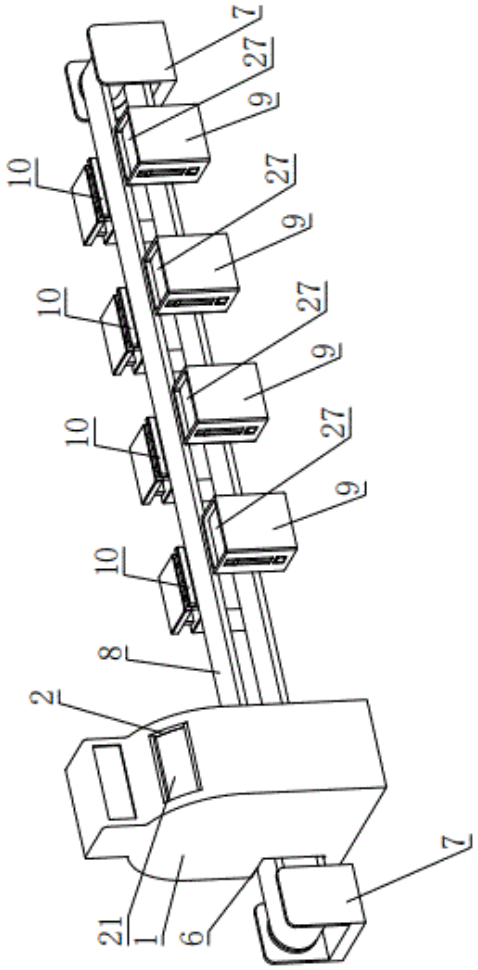
71: Zhengzhou University of Aeronautics

72: Yang Lingzhi, Qi Yan, Feng Yuan, Zhang Zhenli, Jiang Hongjing

54: A BOOK UNMANNED BORROWING AND RETURNING SYSTEM

00: -

The present invention discloses an unmanned book borrowing and returning system, comprising a receiving module, the receiving module comprising a housing, a front side of the housing is provided with a book feeding port, a rotating shaft is provided inside the housing, a vertical plate is fixed on the rotating shaft, a clamping device is provided on the vertical plate, a barcode scanner is fixed on the inner wall of the housing above the rotating shaft, and a book outlet is provided on the rear side of the housing. The clamping device only swings repeatedly between the book feeding port and the book outlet under the driving of the vertical plate. A conveying module is provided behind the receiving module, and multiple sorting modules are provided on the right side of the receiving module. The sorting module comprises a turnover box located in front of the conveyor belt, and an electric push rod is provided behind the conveyor belt facing the turnover box. The front end of the electric push rod is fixed with a push plate, and the lower end surface of the push When the recognizer recognizes the specified information, the electric push rod drives the push plate to move forward, This invention solves the problem of manual adjustment of spine orientation in existing automated book return systems.



21: 2024/07145. 22: 2024/09/18. 43: 2025/03/18

51: H02K

71: Qiqihar Pushi Technology Co., Ltd.

72: Shipu Zhang, Shouyi Zhang, Shoufeng Zhang, Yu Liu, Linhao Xie, Sylvia Chang

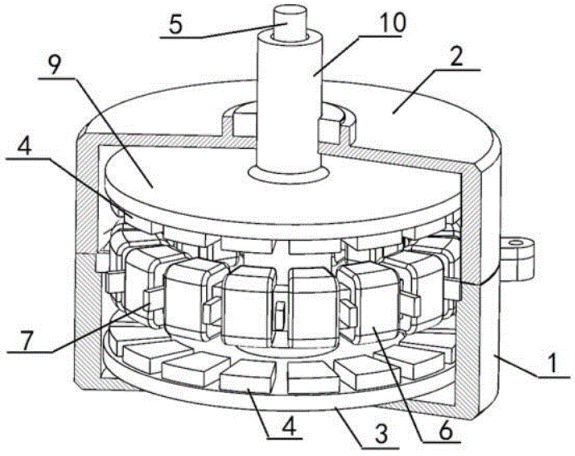
33: CN 31: 202322566488.1 32: 2023-09-21

54: DOUBLE-ROTOR COUNTER-ROTATING BRUSHLESS GENERATOR

00: -

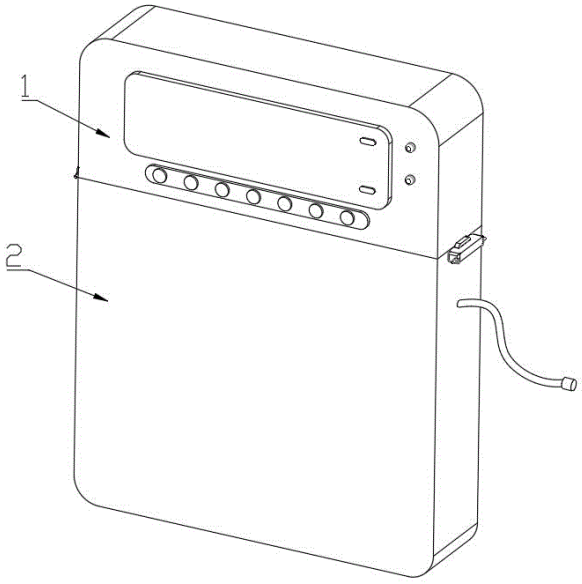
The utility model discloses a double-rotor counter-rotating brushless generator, and belongs to the

technical field of generators. The double-rotor reverse rotation brushless generator includes a lower housing, an upper housing, an upper rotor, a lower rotor, and a stator coil ring, an upper portion of the lower housing is sealed by the upper housing, the upper rotor, the lower rotor, and the stator coil ring are arranged in the housing, the stator coil ring is positioned in a middle of the housing, the upper rotor is positioned above the stator coil ring, the lower rotor is positioned below the stator coil ring, the upper rotor sleeves a main shaft of the lower rotor, a main shaft of the upper rotor and the main shaft of the lower rotor extend out of a top of the housing, permanent magnet pieces are arranged on the upper rotor and the lower rotor, each pair of permanent magnet pieces that correspond in an up-down direction are attracted to each other, and an output lead on the stator coil ring is led out of a side wall of the housing. The generator has a structure of double rotors and one stator, surfaces of two rotor magnetic poles face in opposite directions and are attracted to each other, and the relative rotating speed of the rotors is improved by additionally arranging one rotor that rotates in the opposite direction, such that the magnetic flux rate in a stator coil is improved, which in turn improves power generation energy of the generator.



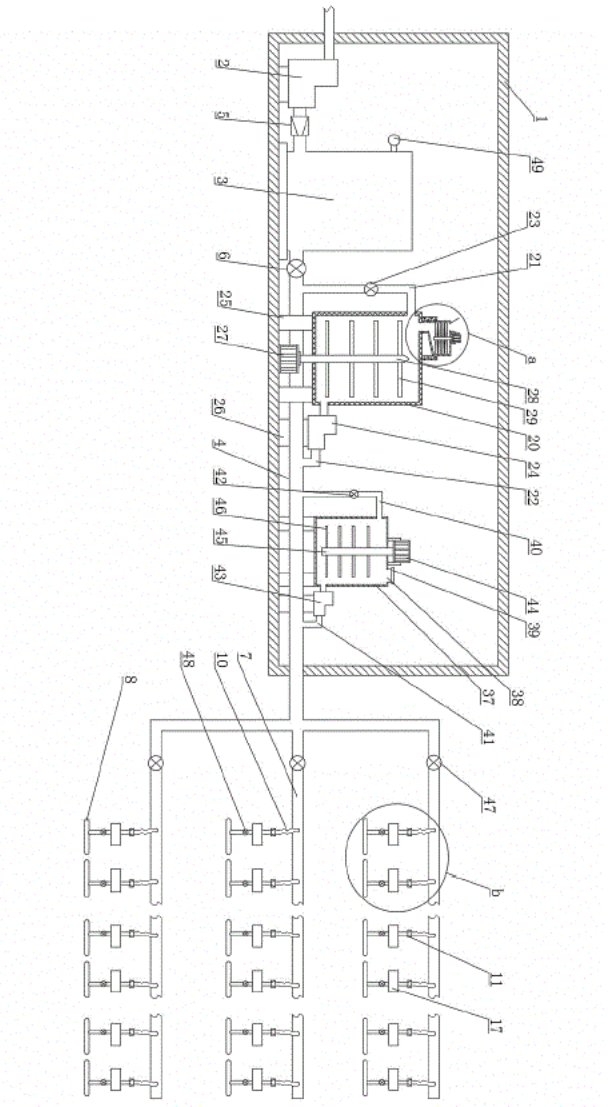
21: 2024/07146. 22: 2024/09/18. 43: 2025/03/18
51: A61M
71: Shanghai Gongli Hospital (Naval Military Medical University)
72: Xiaowei Shi, Jianrong Guo, Lei Zhang
54: STABLE ANALGESIC PUMP
00: -

A stable analgesic pump, comprising a detachably connected analgesic pump and a liquid storage box, wherein first limiting connection components are connected to outer ends of both sides of the analgesic pump; second limiting connection components are connected to the outer ends of both side walls of the liquid storage box; the analgesic pump is detachably connected to the liquid storage box through the matching of the first limiting connection components and the second limiting connection components. In the invention, the analgesic pump is detachably connected to the liquid storage box through the matching of the first limiting connection components and the second limiting connection components, thereby solving the problem of insufficiently stable installation of the liquid storage box in the analgesic pump in the prior art; the structure mentioned hereinabove can increase the stability of the connection between the liquid storage box and the analgesic pump, avoiding the loosening of the liquid storage box during use of the analgesic pump.



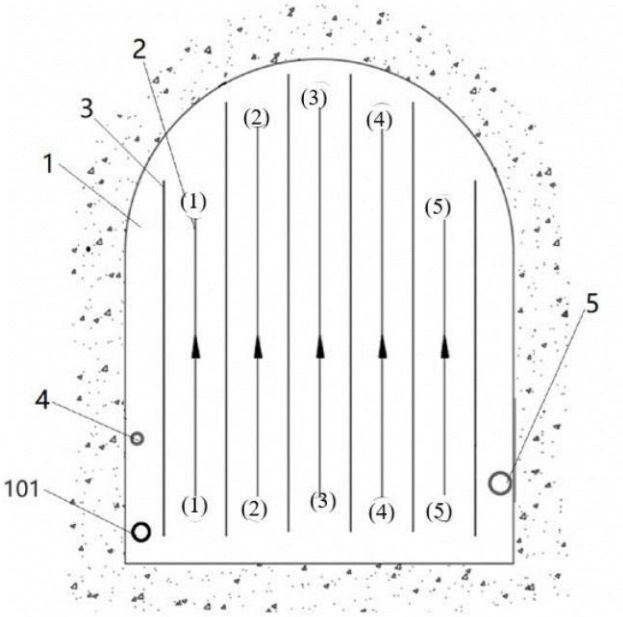
21: 2024/07148. 22: 2024/09/18. 43: 2025/03/19
51: A01C
71: Shandong Institute of Pomology
72: HOU Sen, FU Quanbin, FU Quanjuan, WEI Guoqin, ZHU Shengnan, DU Zhaoliang
33: CN 31: 2024109695527 32: 2024-07-19
54: WATER AND FERTILIZER IRRIGATION SYSTEM FOR MOUNTAIN CHERRY ORCHARDS
00: -

The invention discloses a water and fertilizer irrigation system for mountain cherry orchards, which comprises a water supply assembly, wherein the water supply assembly comprise a first water pump, the water outlet end of the first water pump is communicated with a main pipeline, a pressure tank is installed on the main pipeline, a fertilizer dissolving mechanism and an agricultural agent diluting mechanism are arranged in an equipment room, both of which are communicated with the main pipeline, a first check valve is installed on the main pipeline, a first solenoid valve is installed at one end of the main pipeline close to the pressure tank, and a plurality of branch pipes are communicated with the main pipeline; the watering assembly comprises a plurality of buried pipes, wherein the buried pipes are communicated with conveying pipes which are communicated with branch pipes through hoses; the conveying pipes are provided with a second check valve; the buried pipes comprise an inner pipe which is communicated with the conveying pipes; the inner pipe is provided with a plurality of leakage holes; and a protective filtering mechanism is arranged outside the inner pipe. According to the invention, the soil at the root of the cherry tree can be irrigated through the inner pipe and the protective filtering mechanism, so that the irrigated water is closer to the root of the cherry tree, and the irrigation effect is improved.



21: 2024/07149. 22: 2024/09/18. 43: 2025/03/19
51: E21C
71: China Railway Beijing Engineering Bureau Group First Engineering Co., LTD, Xi'an University of Architecture and Technology
72: PAN Hongwei, ZHAO Jibin, WANG Yonggang, JIA Jianquan, SANG Wenzhao, LIN Fangfang, XIONG Chao, SONG Zhanping, HU Ruoqi
33: CN 31: 2024106964837 32: 2024-05-31
54: METHOD FOR ASSISTING A BOOM-TYPE ROADHEADER IN ROCK CUTTING
00: -
The present invention discloses a method for assisting a boom-type roadheader in rock cutting, which relates to the technical field of tunnel rock cutting, in order to solve the technical problems of low cutting efficiency and serious water

accumulation on the tunnel face in the existing rock cutting technology. The method for cutting rocks includes the following steps: laying out an excavation path on the tunnel face of the rock according to the cutting requirements; laying out cutting paths on both sides of the excavation path; using high-pressure water jets to create grooves along the cutting paths; setting a drain pipe on the tunnel face, and using a spraying device to connect the water inlet of the spraying device to the drain pipe; using the boom-type roadheader to cut the tunnel face along the excavation path, and discharging the accumulated water on the tunnel face through the spraying device, wherein the accumulated water on the tunnel face is used for spraying and dust reduction during the excavation process of the boom-type roadheader. The technical scheme of the present invention is used to assist the boom-type roadheader in improving the efficiency of cutting rocks and discharging the accumulated water on the tunnel face.

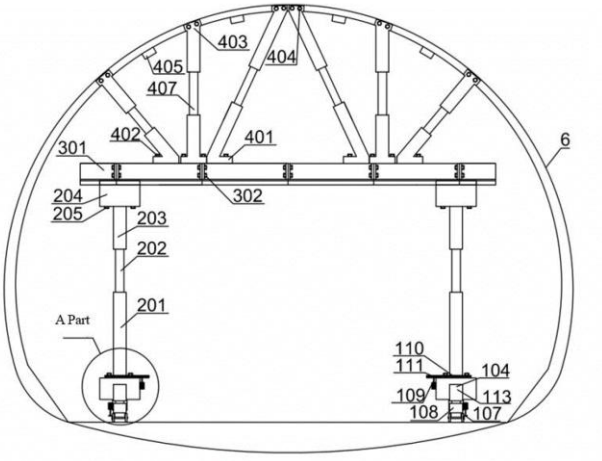


21: 2024/07150. 22: 2024/09/18. 43: 2025/03/19
51: E21D
71: CHINA ROAD & BRIDGE CORPORATION, Xi'an University of Architecture and Technology
72: ZHI Bin, LI Xiaokun, LI Changwei, JIANG Shulin, TAN Jinglin, WANG Fuyun, SONG Zhanping, XU Xiaojing, JIAO Ang, GUO Zhuoyu
33: CN 31: 2024107418356 32: 2024-06-11

54: STEEL FRAME SUPPORT DEVICE AND EARLY WARNING METHOD FOR TUNNELS IN FRACTURE ZONES

00: -

The present invention discloses a steel frame support device for tunnels in fracture zones, including a long beam section, on the bottom of the long beam section are vertically and symmetrically provided with a transverse adjustment mechanism on both sides, on the bottom of each transverse adjustment mechanism is provided with a height adjustment mechanism, on the bottom of each height adjustment mechanism is provided with a base moving mechanism, on the top of the long beam section is provided with multiple sets of support mechanisms, on the top of the support mechanisms is provided with a steel frame, on the steel frame is provided with an early warning mechanism. The present invention enables rapid completion of steel frame splicing and placement, reducing the unsupported time after tunnel blasting, and preventing excessive deformation and collapse of surrounding rock when passing through the fracture zone; secondly, it can ensure the force condition of the steel frame during the period from the completion of the steel frame layout to the secondary lining pouring, when the surrounding rock undergoes deformation, the deformation of the steel frame can be controlled through the steel frame support device, and when the surrounding rock undergoes large deformation beyond the bearing capacity of the steel frame, early warning and mitigation of the deformation of the steel frame can be achieved to reduce casualties and economic losses.

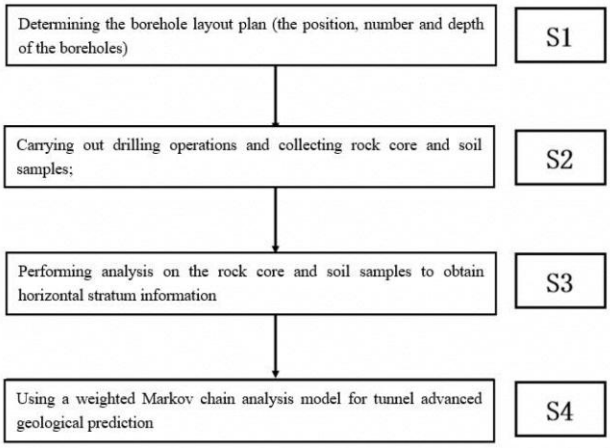


21: 2024/07151. 22: 2024/09/18. 43: 2025/03/19
51: G01V
71: CHINA ROAD & BRIDGE CORPORATION, Xi'an University of Architecture and Technology
72: TAO Huace, ZHANG Meining, ZHOU Ping, MA Ruiping, CHEN Tao, SONG Zhanping, LI Xu, ZHANG Jiefeng, LI Huixing, ZHANG Jing
33: CN 31: 2023114826586 32: 2023-11-09

54: METHOD AND SYSTEM FOR TUNNEL ADVANCED GEOLOGICAL PREDICTION BASED ON A WEIGHTED MARKOV CHAIN

00: -

The present invention discloses a method and system for tunnel advanced geological prediction based on a weighted Markov chain, which relates to the field of tunnel advanced geological prediction, and includes the following steps: step 1. determining the borehole layout plan according to the on-site surrounding rock conditions, determining the position, number and depth of the boreholes that need to be horizontally drilled, etc.; step 2. using appropriate drilling equipment, strictly operating the drilling operation according to the operating specifications of the drilling rig, and collecting rock core and soil samples; step 3. performing statistical analysis and visualization on the collected rock core and soil samples, including information such as stratum properties and geotechnical mechanical parameters, to obtain horizontal stratum information; step 4. regarding the horizontal stratum information as a series of dependent random sequences, and using a weighted Markov chain analysis model for tunnel advanced geological prediction. The present invention can timely predict the geological conditions in front of the tunnel in advance, and accurately judge the excavation stability.



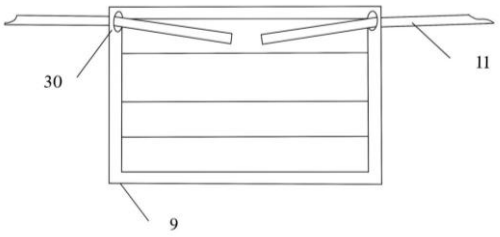
21: 2024/07160. 22: 2024/09/18. 43: 2025/04/08
51: A41D
71: YANG, Mingyu
72: YANG, Mingyu
33: CN 31: 202111448692.2 32: 2021-11-18
33: CN 31: PCT/CN2021/141008 32: 2021-12-23
33: CN 31: 202210034107.2 32: 2022-01-13
33: CN 31: 202221523693.9 32: 2022-06-18
33: CN 31: 202211269160.7 32: 2022-10-17

54: MASK HAVING LV STRUCTURE AND DEVICE THEREOF

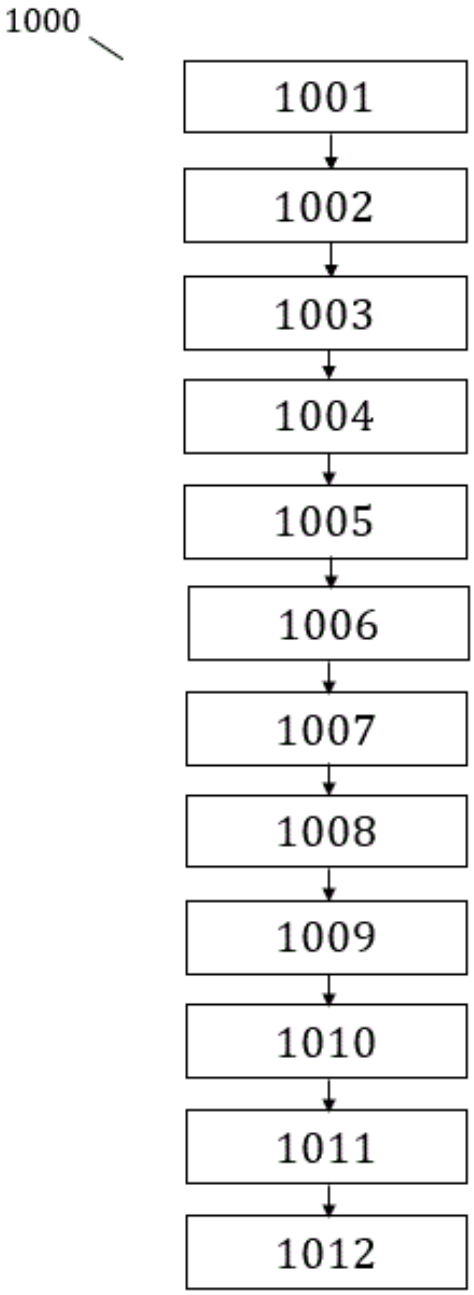
00: -

A mask having an LV structure and a device thereof are provided. A V-shaped structure is fixed to an upper portion of a mask body (9), i.e., a half of the V-shaped structure is provided at the upper portion of each edge of the mask body, the V-shaped structure is arranged downwards from the corner of each edge and towards left and right middle lines of the mask, and the left and right corners of the upper portion of the mask are slidably connected to the V-shaped structure; and the V-shaped structure is located at left and right end portions of the two corners of the mask, so that the V-shaped structure can be extended or fixed to the face or head of a person by means of a connecting component. In dozens of years, the structure of the mask is changed into two parts from original three parts, and the mask serves as a medical mask and a protective mask, and can greatly promote the effects of energy saving, environmental protection, and small innovation. The structure of the mask body (9) is not changed, and the mask body is suitable for large-scale production of an existing epidemic situation. An existing tableting machine can be used, such that the mask having three parts being replaced with two

parts is truly realized on the basis of the existing industry. The device is very simple in structure and low in cost, and can quickly produce the mask.

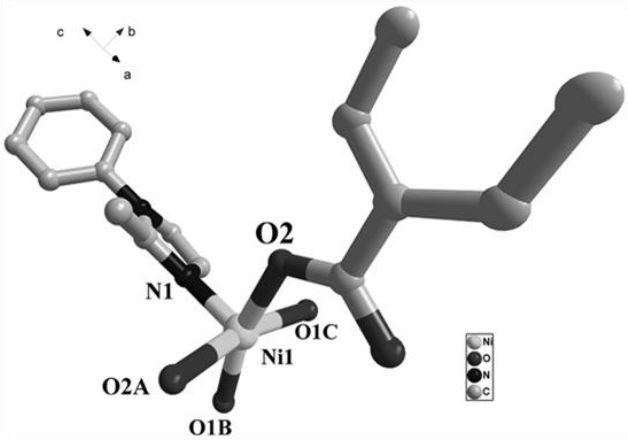


21: 2024/07169. 22: 2024/09/19. 43: 2025/03/19
51: G06F; G06Q
71: ROGACHEV Igor Petrovich
72: ROGACHEV Igor Petrovich
33: RU 31: 2024118152 32: 2024-06-29
54: METHOD OF TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT
00: -
The group of inventions relates to solutions in the field of processing data arrays, in particular, to solutions in the field of processing digitized documents containing information objects such as text and/or images, and can be used to transform a digitized document for efficient indexing of its elements and accurate search. The technical problem solved by the claimed invention is the creation of inventions that do not have the disadvantages of the closest analogue and thus have increased efficiency in processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them. Another technical problem solved by the claimed invention is the expansion of the arsenal of technical means - methods for converting structured data arrays containing information objects of digitized documents. The technical result achieved by implementing the claimed invention, in addition to realizing its purpose, is the elimination of the disadvantages of the closest analogue and thus an increase in the efficiency of processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them.



21: 2024/07171. 22: 2024/09/19. 43: 2025/03/19
51: C07F; C09K; G01N
71: YANCHENG TEACHERS UNIVERSITY
72: WANG, Jun, CAO, Jingrui, XUE, Yunshan, DONG, Youzhen, WANG, Yingying, ZHU, Simeng, GUO, Jie
33: CN 31: 2023118492300 32: 2023-12-29
54: A NICKEL COMPLEX AND ITS PREPARATION METHOD AND APPLICATION
00: -
The present invention pertains to the technical field of metal organic coordination compounds,

specifically involving a nickel complex and its preparation method and applications. The chemical formula of the title nickel complex is {[Ni(4,4'-BMIBP)0.5(NDC)]·DMF}n, where 4,4'-BMIBP stands for 4,4'-bis(2-methylimidazolyl)biphenyl, H2NDC stands for 2,6-naphthalene dicarboxylic acid and DMF stands for N, N'-dimethylformamide. The title nickel complex disclosed in the invention has the function of fluorescence recognition for cysteine and furantoin, and can be used for the detection of trace amounts of cysteine and furantoin in aqueous solution which can be linear in the low concentration range. Moreover, the nickel complex disclosed in the present invention has a degradation rate of more than 90.1 % for methylene blue within 100 minutes.

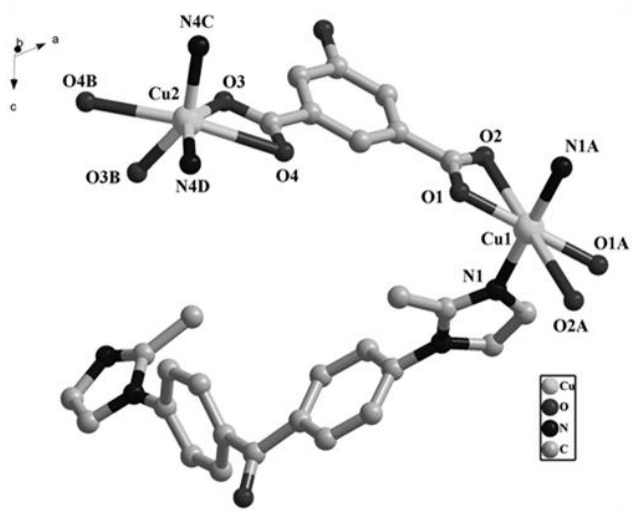


21: 2024/07172. 22: 2024/09/19. 43: 2025/03/19
51: C07F; C09K; G01N
71: YANCHENG TEACHERS UNIVERSITY
72: XU, Xiaojuan, NI, Chunjie, XUE, Yunshan, QIN, Shuya, LIANG, Zhanhang, PAN, Shiyu, ZHANG, Dong, YUAN, Chen
33: CN 31: 2023118516288 32: 2023-12-29

54: A COPPER COMPLEX AND ITS PREPARATION METHOD AND APPLICATION

00: -

The present invention pertains to the technical field of metal organic coordination compounds, specifically involving a copper complex and its preparation method and applications. The chemical formula of the title copper complex is [Cu(OH-BDC)(MIPMO)·DMA]n, where MIPMO stands for 4,4'-Bis(2-methylimidazole-1-yl)benzophenone, OH-H2BDC stands for 5-Hydroxyisophthalic acid and DMA stands for N, N-Dimethylacetamide. The title copper complex disclosed in this invention has the function of fluorescently recognizing cobalt ions and furantoin, and can be used for the detection of trace cobalt ions and furantoin in aqueous solutions. Moreover, the title copper complex disclosed in this invention can degrade methyl orange dye at a rate of over 91.3 % within 100 minutes.

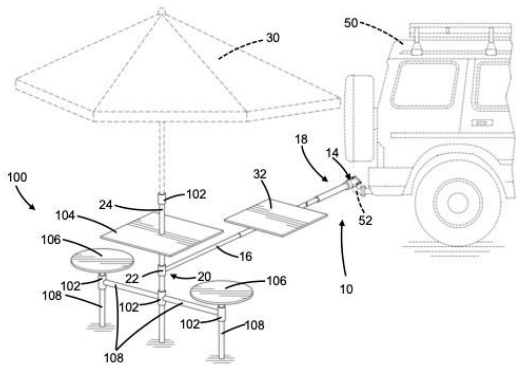


21: 2024/07173. 22: 2024/09/19. 43: 2025/03/19
51: A45F; A47B; A47C
71: NTYRELY NSANE (PTY) LTD
72: KLEINHANS, Morne, KLEINHANS, Frederik Johannes

54: POLE SUPPORT DEVICES

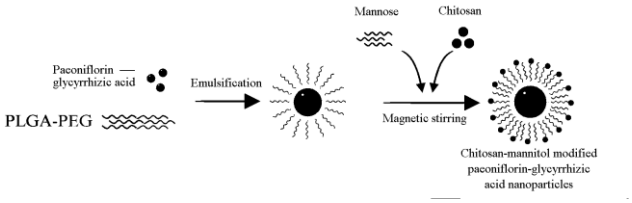
00: -

The invention provides a pole support device. The pole support device includes an elongated member with an attachment mechanism at one end configured to engage a vehicle's tow ball, and a retainer at a second end to hold a support pole upright. The attachment mechanism may include a lockable closing arrangement and allows for angular adjustments. The elongated member can be telescopic with length-locking capability. The retainer, typically a hollow cylindrical sleeve, is suitable for securing various support poles, such as for umbrellas or solar panels. Additionally, the invention includes a picnic kit, comprising the pole support device and modular accessories like tables or stools, which can be attached at varying heights along the support pole using accessory elongate members and accessory retainers.



21: 2024/07179. 22: 2024/09/19. 43: 2025/03/20
51: A61K; C07K; A61P
71: NETRIS PHARMA
72: PARADISI, Andréa, MEHLEN, Patrick, MANCEAU, Ambroise, FRYDMAN, Lisa, NEVES, David
33: EP 31: 22305395.0 32: 2022-03-29
54: NOVEL MCL-1 INHIBITOR AND COMBINATION OF MCL-1 AND A BH3 MIMETIC, SUCH AS A BCL-2 INHIBITOR
00: -
In netrin-1 expressing tumor cells, netrin-1 interference triggers Mcl-1 degradation, restricted to these netrin-1 expressing tumor cells. It is proposed a netrin-1 interference to trigger tumor-specific Mcl-1 degradation. In addition, netrin-1 interference may be combined with BH3-mimetics, especially a Bcl-2 inhibitor. Netrin-1 interference is made using anti-netrin-1 antibodies. The invention proposes an anti-netrin-1 antibody for use as a tumor-specific Mcl-1 inhibitor in the treatment of a Mcl-1+ tumor, more particularly a Mcl-1+, netrin-1+ and netrin-1 receptor+, especially UNC5B+, tumor. Also provided is a combination of an anti-netrin-1 antibody and a Bcl-2 inhibitor, such as Venetoclax.

21: 2024/07198. 22: 2024/09/20. 43: 2025/03/20
51: A61K
71: GUANGDONG MEDICAL UNIVERSITY
72: ZHAO Yue, JIN Hua, ZHOU Zhikun
33: CN 31: 2024111075359 32: 2024-08-13
54: NANOMETER DOSAGE FORM OF PAEONIAE RADIX ALBA-GLYCYRRHIZAE RADIX ET RHIZOMA DECOCTION AND APPLICATION THEREOF IN NONALCOHOLIC FATTY LIVER
00: -
The invention discloses a preparation method of a nanometer dosage form of Paeoniae Radix Alba-Glycyrrhizae Radix et Rhizoma decoction and an application thereof in nonalcoholic fatty liver, which includes the following steps: step 1, weighing paeoniflorin, glycyrrhizic acid and PLGA-PEG, dispersing them in dichloromethane, and adding a high-pressure homogenizer for emulsification; step 2: dissolve 0.1-3 percent PVA as external water phase, and add glacial acetic acid solution and chitosan at the same time; step 3: the emulsion obtained in step 1 is quickly added into the external water phase for oscillation and emulsified in a high-pressure homogenizer; step 4: add mannose to the emulsion, then freeze-dry it and store it in a refrigerator at 4 degrees. The invention can be used for that protection, prevention and treatment of nonalcoholic steatohepatitis and liver injury, not only can improve the bioavailability of the drug and enhance its targeting, but also is expected to reduce adverse reactions and toxic and side effect, and provide new research ideas and methods for the modernization of traditional Chinese medicine.

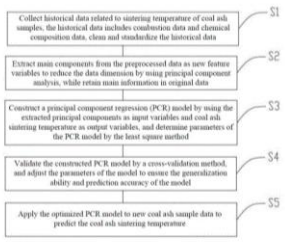


21: 2024/07199. 22: 2024/09/20. 43: 2025/03/20
51: A01N
71: Institute of Agricultural Applied Microbiology, Jiangxi Academy of Agricultural Sciences(Jiangxi Rural Energy Research Center)
72: YAO Yingjuan, YAO Jian, XU Xueliang, FAN Linjuan, WU Caiyun, ZHANG Fan, LIU Zirong
33: CN 31: 2023113807323 32: 2023-10-24
54: COMPOSITION FOR PREVENTING AND TREATING PRATYLENCHUS COFFEAE AND APPLICATION THEREOF
00: -
The invention discloses a composition for preventing and treating pratylenchus coffeae and an application thereof, and relates to the technical field of plant disease prevention and treat. The composition includes ivermectin and fluopyram, and the mass ratio of ivermectin to fluopyram is (10-1): 1. According to the research of the invention, ivermectin and fluopyram are compounded in the range of (10-1): 1 according to the mass ratio, so that the ivermectin and fluopyram have a synergistic

effect in preventing and treating the pratylenchus coffeae. Compared with a single dose, the composition for preventing and treating pratylenchus coffeae provided by the invention can obviously improve the prevention and treatment effect of pratylenchus coffeae, and is beneficial to reducing the use amount of pesticides, thereby reducing the production cost and environmental pollution.

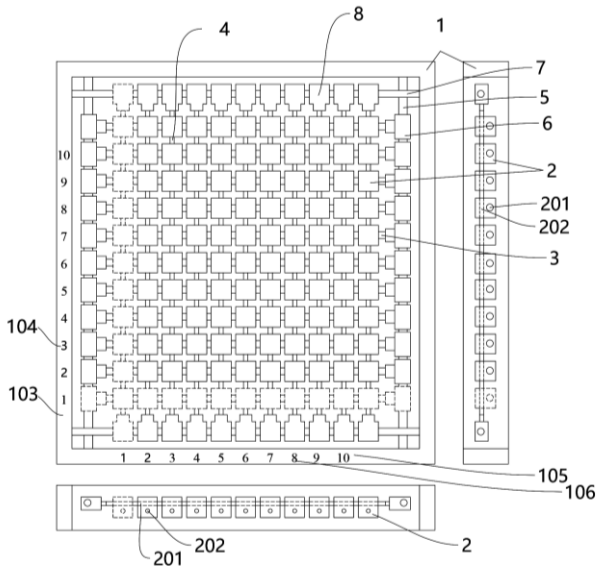
21: 2024/07200. 22: 2024/09/20. 43: 2025/03/20
51: A01N
71: Institute of Agricultural Applied Microbiology, Jiangxi Academy of Agricultural Sciences (Jiangxi Rural Energy Research Center)
72: YAO Yingjuan, FAN Linjuan, WU Caiyun, YAO Jian, XU Xueliang, ZHANG Fan, LIU Zirong
33: CN 31: 2024102582975 32: 2024-03-07
54: METHOD FOR COMPREHENSIVE PREVENTION AND CURE OF YAM NEMATODIASIS
00: -
The invention discloses a method for comprehensive prevention and cure of yam nematodiasis, and belongs to the technical field of agriculture. The method for comprehensive prevention and control includes the steps: intercropping marigold or ginger between the planting rows of yam in spring and summer, and intercropping rape or garlic between the planting rows of yam in autumn and winter; planting marigold or ginger in spring and summer and planting rape or garlic in autumn and winter in the planting rows of yam in the following year, and planting yam in the middle of intercropping area in the first year; such cyclic planting is performed to prevent and control yam nematodiasis. The method provided by the invention has strong operability and good effect of prevention and cure, and is capable of being widely applied to the prevention and cure of yam nematodiasis in the field.

21: 2024/07201. 22: 2024/09/20. 43: 2025/03/20
51: G06F
71: Henan University of Urban Construction
72: CAI, Jing, ZHANG, Yao, CAI, Yujie, LI, Qiuhong, LI, Deying, LI, Yajie
54: PRINCIPAL COMPONENT REGRESSION-BASED METHOD FOR PREDICTING COAL ASH SINTERING TEMPERATURE
00: -
The invention discloses a principal component regression-based method for predicting coal ash sintering temperature, including the following steps: data acquisition and preprocessing. Main components are extracted from the preprocessed data as new feature variables to reduce data dimension by using principal component analysis, while main information is retained in original data. A principal component regression (PCR) model is constructed by using the extracted principal components as input variables and coal ash sintering temperature as output variables. The constructed PCR model is validated by a cross-validation method, and parameters of the model are adjusted to ensure generalization ability and prediction accuracy of the model. The optimized PCR model is applied to new coal ash sample data to predict the coal ash sintering temperature. The method effectively improves the accuracy and robustness of the prediction by adopting the principal component regression method to predict the coal ash sintering temperature.

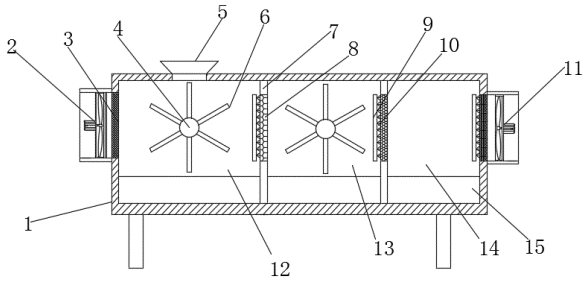


21: 2024/07222. 22: 2024/09/20. 43: 2025/03/20
51: G09B
71: JINZHOU MENGZAI STATIONERY SALES CO., LTD.
72: CHAOMENG LIU
33: CN 31: 202220676989.8 32: 2022-03-24
54: MULTIPLICATION ABACUS DEVICE
00: -
A multiplication abacus device is provided, which includes a main body with a result display area, where the result display area has calculation result bits arranged in a matrix, the calculation result bits have numbers for displaying a calculation result, a plurality of sliding members arranged in a matrix that can slide horizontally and longitudinally on the main body, and located on the calculation result bits, where adjacent M rows of sliding members slide longitudinally, and adjacent N columns of sliding

members slide horizontally. After the sliding members do not obstruct one row of calculation result bits and do not obstruct one column of calculation result bits, a number of the calculation result bits in a crossed position is a calculation result of M x N. Through the above technical solution, a technical problem of learning multiplication in existing technologies being abstract and not intuitive enough has been solved.

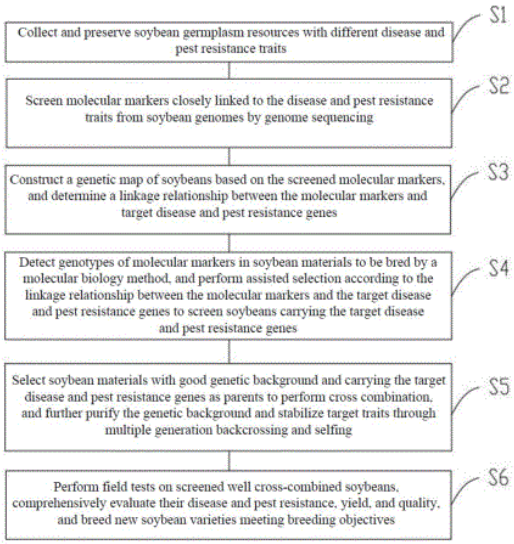


21: 2024/07223. 22: 2024/09/20. 43: 2025/03/24
51: D01G
71: The Sea Feather Limited Company of Lu'an, West Anhui University, Lu'an the Sea Feather Down Products Company Ltd
72: YU Jingui, LI Lingang, YU Xueyong, QIN Yu, WANG Liangyin
33: CN 31: 2022110420526 32: 2022-08-29
54: FEATHER SORTING MACHINE FOR DOWN PROCESSING
00: -
The disclosure discloses a feather sorting machine for down processing, belonging to the technical field of feather sorting, and including a machine body, where separating plates are arranged in the machine body, and the separating plates are provided with two groups to divide the machine body into three cavities, respectively a first cavity, a second cavity and a third cavity. According to the disclosure, the feathers to be sorted are dried by the drying fan, so that the feathers become light, and subsequent sorting is facilitated. The feathers in the first cavity are stirred by the rotating shaft and the stirring rods, so that all kinds of feathers are scattered. On the one hand, the drying efficiency is improved. On the other hand, after the feathers are scattered, the next sorting is prepared, so that the sorting efficiency is improved. After the drying is completed, the exhaust fan exhausts air from the inside of the machine body to generate negative pressure. The screened feathers stirred by the stirring rods enter the second cavity from the first cavity through the filter screen under the action of negative pressure. Similarly, the screened feathers in the second cavity enter the third cavity to complete layer-by-layer screening and accurate sorting.

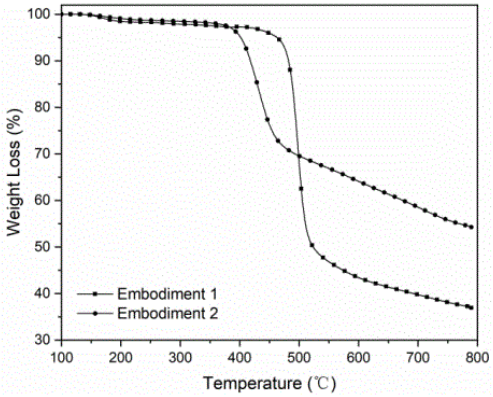


21: 2024/07239. 22: 2024/09/23. 43: 2025/03/26
51: C12Q
71: Soybean Research Institute of Heilongjiang Academy of Agricultural Sciences, Qiqihar Branch of Heilongjiang Academy of Agricultural Sciences
72: REN, Honglei, ZHANG, Chunlei, YUAN, Ming, ZHANG, Bixian, HAN, Dongwei, LIU, Xiulin, WANG, Xueyang, ZHANG, Fengyi, ZHAO, Kezhen, YUAN, Rongqiang, WU, Qi
33: CN 31: 202411089433.9 32: 2024-08-09
54: DISEASE AND PEST RESISTANCE MOLECULAR MARKER-ASSISTED BREEDING METHOD FOR SOYBEANS
00: -
The present invention discloses a disease and pest resistance molecular marker-assisted breeding method for soybeans, including the following steps: collecting and preserving soybean germplasm resources with different disease and pest resistance traits; screening molecular markers closely linked to the disease and pest resistance traits from soybean genomes by genome sequencing; constructing a genetic map of soybeans based on the screened molecular markers, and determining a linkage relationship between the molecular markers and target disease and pest resistance genes; detecting genotypes of molecular markers in soybean

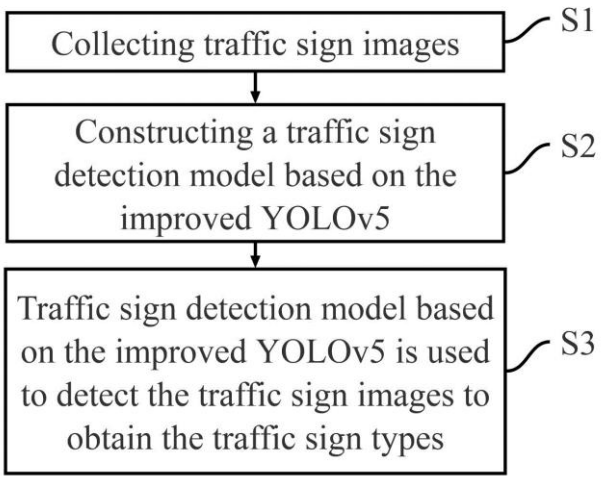
materials to be bred by a molecular biology method, and performing assisted selection according to the linkage relationship between the molecular markers and the target disease and pest resistance genes to screen soybeans carrying the target disease and pest resistance genes; and selecting soybean materials with good genetic background and carrying the target disease and pest resistance genes as parents to perform cross combination.



21: 2024/07240. 22: 2024/09/23. 43: 2025/03/26
51: C08L
71: Guang'an Vocational And Technical College, Sichuan Lanshan Environmental Protection Technology Co., Ltd.
72: HE, Yuewen, ZHAO, Xiaohai, WU, Xun, LAN, Xiaoqiong, WANG, Feng, LING, Xiaoming
54: METHOD FOR PREPARING POLY (ARYLENE ETHER NITRILE) COPOLYMER WITH ALTERNATING STRUCTURE
00: -
The present invention discloses a method for preparing a poly(arylene ether nitrile) copolymer with an alternating structure. Dihydric phenol reacts with dihalogenated benzonitrile to prepare a dihalo-terminated compound, which reacts with another type of dihydric phenol to prepare a poly(arylene ether nitrile) copolymer solution with an alternating structure, and the copolymer solution is solidified, crushed, washed, and dried to obtain the poly(arylene ether nitrile) copolymer with an alternating structure. The alternating poly(arylene ether nitrile) copolymer prepared by the present invention has high thermal decomposition temperature, and can be used in the fields of high temperature resistant plastics, such as aerospace, electronics and electrical appliances, and mechanical manufacturing.

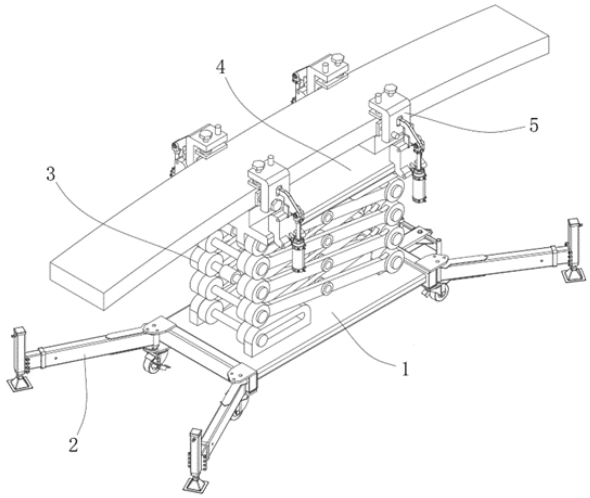


21: 2024/07241. 22: 2024/09/23. 43: 2025/04/01
51: G06K
71: TANGSHAN UNIVERSITY
72: LIU Liwei, LUN Zhixin, YUE Jianjiang, HAN Yuqiang
54: TRAFFIC SIGN DETECTION SYSTEM BASED ON IMPROVED YOLOV5 AND METHOD THEREOF
00: -
The invention discloses a traffic sign detection system based on the improved YOLOv5 and a method thereof, including a collection module, a construction module and a detection module; the collection module is used for collecting traffic sign images; the construction module is used for constructing a traffic sign detection model based on the improved YOLOv5; the detection module is used for detecting the traffic sign images by using the traffic sign detection model based on the improved YOLOv5 to obtain the traffic sign types. The invention improves the efficiency and accuracy of the traffic sign detection.



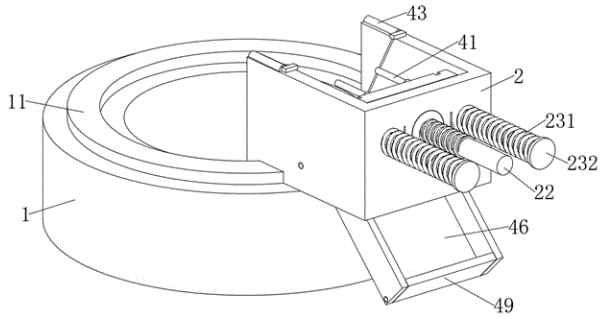
21: 2024/07245. 22: 2024/09/23. 43: 2025/03/27
51: A61K; A61P
71: BIOPROJET
72: SCHWARTZ, Jean Charles, LECOMTE, Jeanne-Marie
33: EP 31: 22305343.0 32: 2022-03-23
54: NOVEL USE OF PITOLISANT FOR TREATING SEVERE FATIGUE
00: -
The present invention concerns the treatment of severe fatigue (SF), in particular in patients suffering from narcolepsy, comprising the administration of pitolisant or its pharmaceutically acceptable salts, such as the monohydrochloride salt at high doses.

21: 2024/07268. 22: 2024/09/23. 43: 2025/03/27
51: E01D
71: NORTHEAST FORESTRY UNIVERSITY, HEILONGJIANG TRANSPORTATION PLANNING AND DESIGN INSTITUTE GROUP CO., LTD.
72: WANG, Lifeng, LI, Wei, WANG, Tiejun, XIAO, Ziwang
54: POSITIONING DEVICE FOR ARCH RIB SEGMENTS OF FLYING SWALLOW TYPE TIED ARCH BRIDGE
00: -
The present invention provides a positioning device for arch rib segments of a flying swallow type tied arch bridge, falling within the technical field of bridge construction, including a frame, fixing assemblies and a lifting mechanism. A bottom of the frame is arranged with universal wheels for a movement of the frame, and a towing bracket is welded in a middle part of a side wall of the frame; the fixing assemblies may be detachably connected to four corners of the frame for supporting and fixing the frame; and the lifting mechanism is arranged on top of the frame, including a hydraulic oil pump device installed in the middle part of the frame, and the lifting mechanism may be lifted and raised to complete the lifting of arch rib segments. The lifting mechanism and hydraulic oil anti-backflow mechanisms are arranged, and electromagnets adsorb valve cores, connecting double runner valve seats.

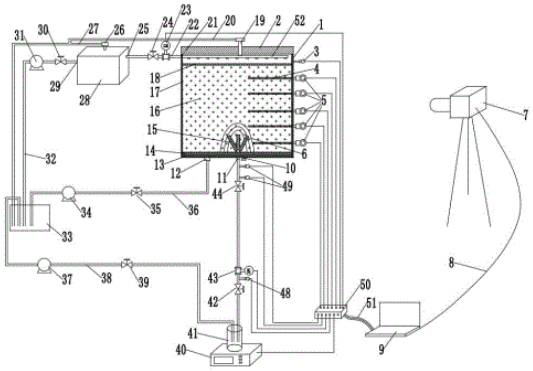


21: 2024/07269. 22: 2024/09/25. 43: 2025/03/27
51: E01D
71: Shandong Jiaotong University
72: Wei Xusheng, Chen Renshan, Zhang Wei, Yang Kaibo, Wang Chong
54: AN AUTOMATED DEVICE FOR DEMOLISHING BRIDGE PIER FORMWORK
00: -
The present invention discloses an automated bridge pier formwork removal device, which belongs to the field of bridge construction. The device comprises a load-bearing ring, an installation ring rotatably connected to the load-bearing ring, a workbench connected to the installation ring, a threaded cylinder rotatably connected to the workbench, a threaded rod connected to the threaded cylinder via internal threads, and a pulling plate connected to the end of the threaded rod. The rotation of the threaded cylinder can drive the pulling plate to approach or retract from the bridge pier. The invention facilitates convenient installation of the device on the bridge pier through the combination of the load-bearing ring and the installation ring. The rotation of the installation ring drives the movement

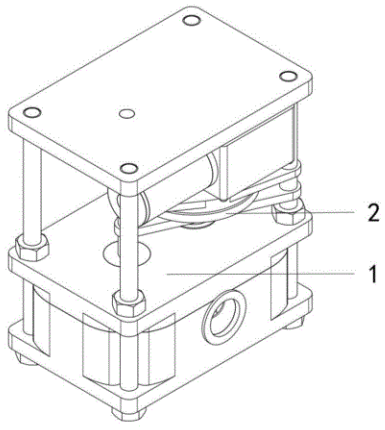
of the workbench and the threaded cylinder, achieving precise control of the pulling plate. During the formwork removal process, the pulling plate can magnetically attach to the formwork, effectively preventing the formwork from falling off. Through the rotation of the threaded cylinder, the pulling plate is driven to pull the formwork away from the bridge pier, and the formwork is ultimately placed steadily on the workbench, achieving automated removal of the bridge pier formwork.



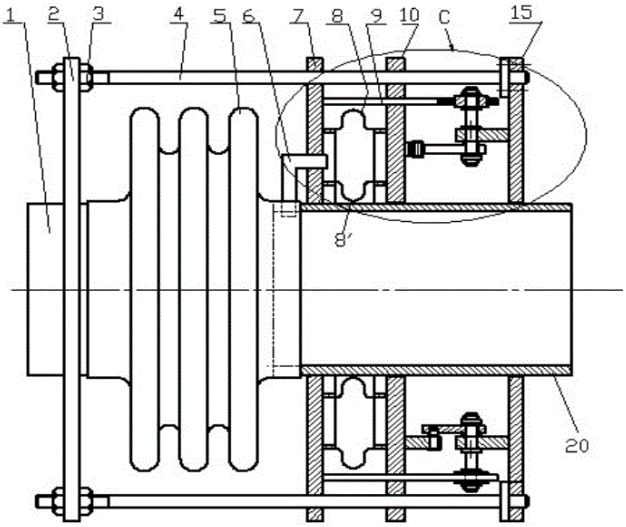
21: 2024/07270. 22: 2024/09/25. 43: 2025/03/27
51: G01N
71: Key Laboratory of Xinjiang Coal Resources Green Mining (Xinjiang Institute of Engineering), Ministry of Education, Henan Hydrology and Water Resources Survey and Reporting Center, North China University of Water Resources and Electric Power, CCTEG Xi'an Research Institute (Group) Co. Ltd., Xinjiang Engineering Research Center of Green Intelligent Coal Mining, Xinjiang Institute of Engineering
72: YAN, Qing, WANG, Wenxue, LI, Shuang, LI, Tianhui, HE, Jinbo, GUO, Yuxiang, WANG, Yu, GUO, Yifan, GAO, Yuan, LIANG, Liang, GAO, Dongge, YU, Changchang, WANG, Hai
54: SEEPAGE TEST APPARATUS
00: -
The present invention discloses a seepage test apparatus, relating to the technical field of seepage tests of drainage wells, and including a sand box seepage system, a water supply circulation system, an automatic suction system, a flow monitoring system, a water pressure monitoring system, and a data acquisition system. In the present invention, an expected height water column can be formed in a drainage pipe through the data feedback of an in-pipe water pressure sensor, and the rapid drainage of the full-pipe water column in the drainage pipe can be completed by controlling the turning on and turning off of an electromagnetic valve, thereby forming a suction negative pressure, increasing the flow rate of water in the aquifer into the drainage pipe and improving the drainage efficiency.



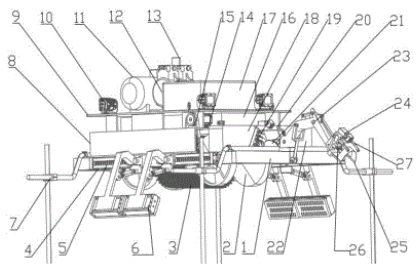
21: 2024/07271. 22: 2024/09/25. 43: 2025/03/27
51: H02K
71: Jining Normal University
72: DONG, Yongsheng, GUO, Xiaoxia, JING, Lili, WANG, Zhiqiang, SU, Sen
33: CN 31: 202421263528.3 32: 2024-06-04
54: DEEP LEARNING CONTROL DEVICE BASED ON PERMANENT MAGNET MOTOR
00: -
The purpose of the present disclosure is to provide a deep learning control device based on a permanent magnet motor. Compared with conventional rotor pumps, the structure of the present device is easier to assemble, and the accessories are more modular. In the field of aquaculture waste, the automatic change of a driving program of the permanent magnet motor can be achieved by collecting parameters in the working cycle of a rotor pump, so as to realize the autonomic learning of the permanent magnet motor.



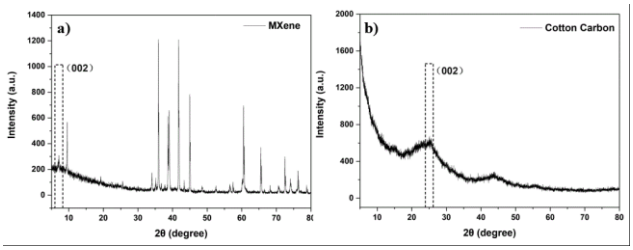
21: 2024/07272. 22: 2024/09/25. 43: 2025/03/27
51: F16L
71: Jiangsu Wuxing Bellows Co., Ltd.
72: Guibing Ge, Peng Zhang, Lijun Zhang, Baoguo Zhang, Xihua Luo, Jiabing Shen
33: CN 31: 202311276564.3 32: 2023-10-04
54: FOLLOW-UP BELLOWS COMPENSATOR
00: -
A follow-up bellows compensator, which is used to compensate for the thermal expansion and contraction of a pipeline, comprising a working bellows, a left end of the working bellows is welded with a first connecting pipe and a first annular plate, a right end of the working bellows is welded with a second connecting pipe and a second annular plate, a third annular plate is sleeved on the second connecting pipe, left ends of multiple tie rods are symmetrically connected to the first annular plate, a balanced bellows is sealed and welded between the second annular plate and the third annular plate, an annular cross-sectional cavity is connected to the second connecting pipe through a flow guide tube, a fourth annular plate is fixedly connected to the right ends of the tie rods, several follower devices are symmetrically arranged between the fourth annular plate and the third annular plate, the follower devices can make the second annular plate and the third annular plate move synchronously along the axial direction. The advantageous effects of the invention are as follows: the length of the balanced bellows can be minimized, and only one working bellows is required, which is beneficial for reducing production costs; at the same time, it also reduces the length of the compensator, making transportation and installation easier.



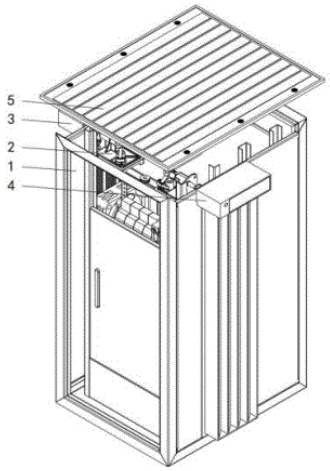
21: 2024/07273. 22: 2024/09/25. 43: 2025/03/27
51: B24B
71: Anhui Science And Technology University
72: QIAO, Yinhu, SONG, Shuqiang, ZHANG, Chunyan, ZHANG, Jiajun, AI, Zhiyun
33: CN 31: 202421598036.X 32: 2024-07-08
54: INSPECTION AND REPAIR DEVICE FOR LEADING EDGES OF WIND TURBINE BLADES
00: -
Disclosed is an inspection and repair device for leading edges of wind turbine blades. The inspection and repair device includes an apparatus body, a first camera mounted on an upper side of the apparatus body and used for inspecting blades, and an integrated control box mounted on the upper side of the apparatus body and used for controlling a repair, where a cleaning wheel for cleaning surfaces of the blades is mounted inside the apparatus body, a driving motor for driving the cleaning wheel is mounted inside the apparatus body, and a first belt pulley set for transmission is mounted between the cleaning wheel and the driving motor. A driving wheel is mounted at a bottom side of the apparatus body, a truss is mounted at the upper side of the apparatus body, the upper side of the truss is provided with a polishing machine for polishing the blades.



21: 2024/07274. 22: 2024/09/25. 43: 2025/04/01
51: B01J
71: Hainan Tropical Ocean University, Yazhou Bay Innovation Institute of Hainan Tropical Ocean University
72: WAN Wubo, BAI Shiwei, WU Xiangen, CHEN Qingrong, WU Qianhui, LI Zaoxi
54: MXENE/COTTON BIOCHAR COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF
00: -
The invention discloses an MXene/cotton biochar composite material and a preparation method thereof, belonging to the field of lithium ion battery preparation. The MXene/cotton biochar composite material is prepared by adding an aqueous solution of cotton biochar into an aqueous solution containing MXene and cetyltrimethyl ammonium bromide, stirring for reaction, centrifuging the reaction solution, alternately washing the precipitate with ethanol and deionized water until the pH value is greater than 6, and vacuum drying. According to the invention, the MXene/cotton biochar composite material is obtained by adjusting the mass ratio of MXene and cotton biochar, and the surface of fibrous cotton biochar is attached with MXene, so that the composite material shows excellent electrochemical performance and cycle stability.



21: 2024/07275. 22: 2024/09/25. 43: 2025/03/27
51: F16F
71: Jining Normal University, Anhui Huachi Energy Technology Co., Ltd.
72: JING, Lili, DONG, Yongsheng, GUO, Xiaoxia, NIE, Yang, WANG, Zhiqiang, SU, Sen
33: CN 31: 202410785138.0 32: 2024-06-18
54: INTERNET OF THINGS CONTROLLER ARRAY PROTECTION APPARATUS SUITABLE FOR HIGH-SPEED INFORMATION FUSION
00: -
An object of the present invention is to provide an Internet of Things controller array protection apparatus suitable for high-speed information fusion, which has power generation and power supply functions to satisfy independent operating conditions of devices, and can provide a ventilation opening adjustment function according to rainfall sensing.



21: 2024/07276. 22: 2024/09/25. 43: 2025/03/27
51: G06Q
71: Zhejiang Zheneng Energy Services Co., Ltd.
72: ZHENG, Bin, SUN, Chengfu, SUN, Pan, PANG, Kun, MO, Chengkai, LI, Yang, WANG, Zhiqiang
33: CN 31: 202311786267 .3 32: 2023-12-25
54: BUILDING ELECTRICAL LOAD-BASED REGIONAL ENERGY OPTIMIZATION METHOD AND SYSTEM
00: -
The present invention provides a building electrical load-based regional energy optimization method and system, relating to the technical field of energy distribution optimization. The method includes the following steps: acquiring a region map and dividing the region map into regions; acquiring a building type of a regional building, and analyzing the building type; analyzing a building electrical load type of the regional building to determine a regional load type of a building region; reading a power plant database to obtain electricity consumption data of

the building region; calculating an electricity consumption index of the building region; and distributing energy to the building region according to the electricity consumption index. The present invention solves the problems in the existing energy distribution optimization technology of unreasonable energy distribution and the lack of analysis on the building electrical load, which lead to an increased risk of power failure in some special buildings.

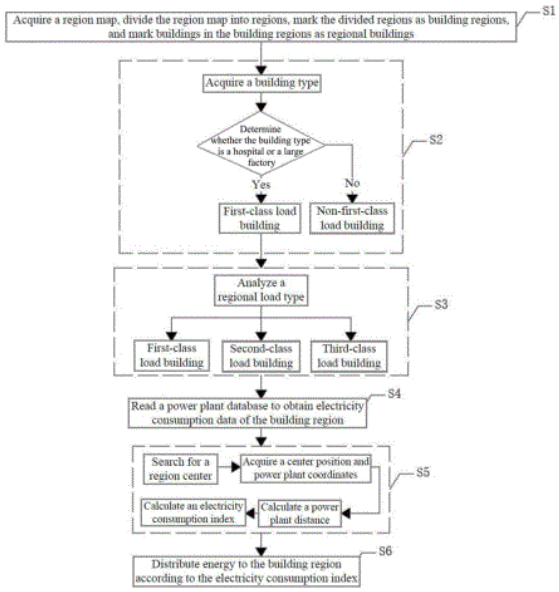
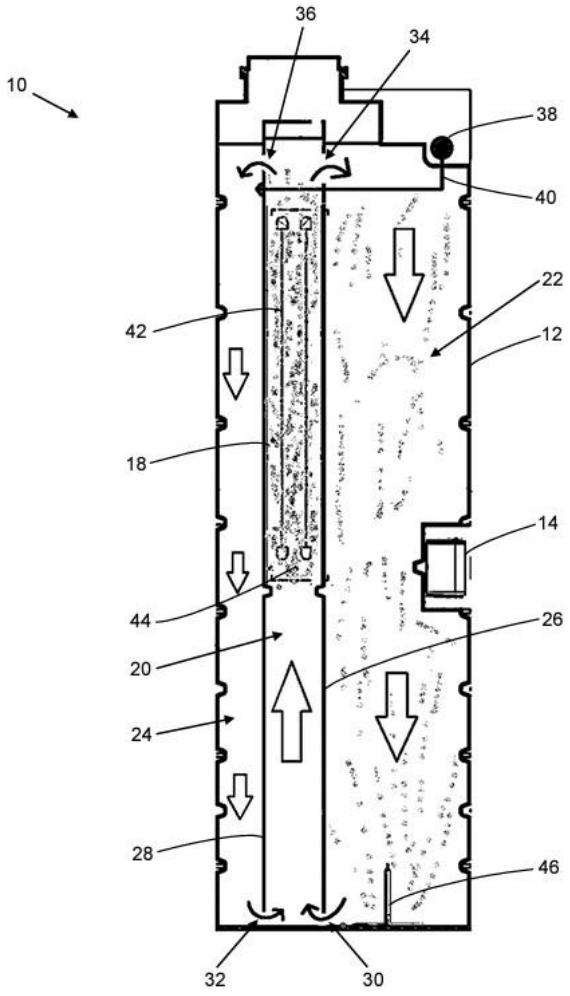


FIG. 1

21: 2024/07281. 22: 2024/09/25. 43: 2025/04/07
51: C02F
71: UTICO WATER (PTY) LTD
72: STEVEN, James Michael, SCHOEMAN, Lu Raubenheimer, VIGARIO, Matthew Antonio
54: MODULAR MEMBRANE BIOREACTOR WASTE WATER PLANT
00: -

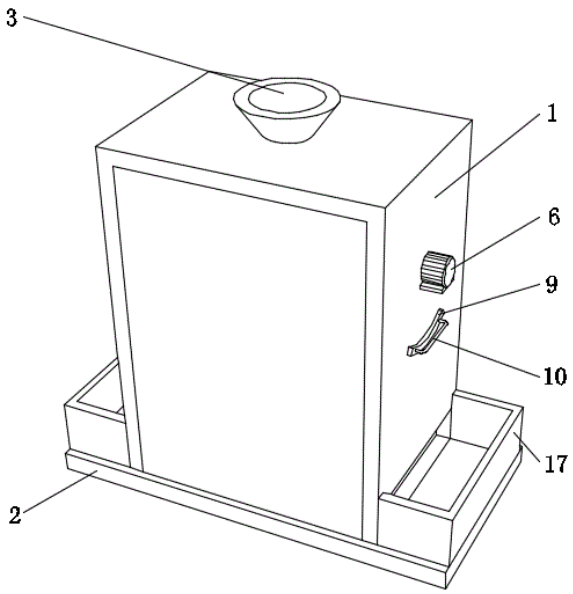
Wastewater is purified in a unit (10) that includes a membrane filter (42) in a membrane cavity (20), an aerobic cavity (22) that is aerated, and an anoxic cavity (24). All three cavities (20,22,24) are connected and are filled with wastewater that is supplied to the anoxic cavity (24). Scouring air is supplied to the membrane cavity (20) to scour the membrane filter (42) and to induce an upward flow of wastewater in the membrane cavity (20), which flows down along the aerobic cavity (20) and anoxic cavity (24), without requiring pumping. Purified water is withdrawn on the permeate side of the membrane filter (42). Multiple such units (10) can be connected to operate in parallel, to treat larger volumes of wastewater with high energy efficiency and space efficiency.



21: 2024/07282. 22: 2024/09/25. 43: 2025/03/27
51: G09B
71: Huainan Normal University
72: Liang Jing
54: RANDOM VARIABLE EXPERIMENT DISPLAY DEVICE FOR MATHEMATICS TEACHING
00: -

The present invention provides a random variable experiment demonstration device for mathematics teaching, including an experimental box body, a top end of the experimental box body is provided with a feeding hopper for facilitating the entrance of experiment materials, an inner top end of the experimental box body is provided with a mixing box for mixing experiment materials, and the feeding hopper is connected to the mixing box through the

experimental box body and inside the mixing box. In the invention, when the experimental box body is needed to be used, an external power supply is turned on, experimental materials are put into the mixing box inside the experimental box body through the feeding hopper, a rotating motor is started to drive a rotating shaft to rotate, and the rotation of the rotating shaft drives a mixing rod at the periphery to rotate, the experimental materials inside the mixing box can be uniformly mixed through the rotation of the mixing rod, and the randomness of the experiment is increased; and the rotating rod uniformly fixed on the periphery of the rotating shaft can reduce the dead angle inside the mixing box, increase the mixing sufficiency, and reduce the situation that the internal dead angle cannot be mixed.

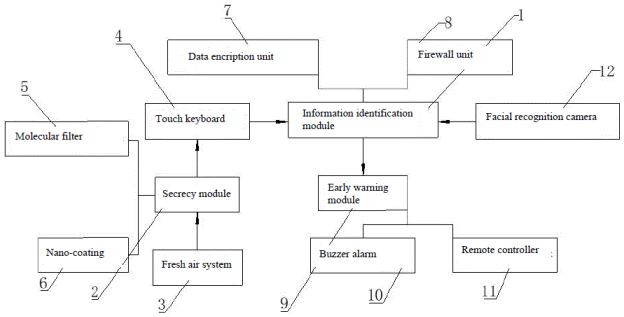


21: 2024/07283. 22: 2024/09/25. 43: 2025/03/27
51: H04L
71: Northeast Normal University
72: Dong Yan, Peng Qi

54: COMPUTER NETWORK SECURITY SYSTEM BASED ON IDENTITY RECOGNITION AND CONTROL METHOD THEREOF

00: -

The present invention relates to a computer network security system based on identity identification, and in particular to a computer network security system based on identity recognition and a control method thereof, including an information identification module, a secrecy module, a fresh air system and a touch keyboard. The secrecy module and the fresh air system cooperate to maintain a dry environment on a surface of the touch keyboard by controlling humidity in the environment, preventing a problem of fingerprint residue caused by excessive humidity and improving security of a system. In the present application, through cooperative use of a security module and the fresh air system, moisture content in an operating environment of the system is reduced, the touch keyboard is kept dry and clean, a problem of information leakage caused by fingerprint residue on the surface of the touch keyboard is reduced, and the security of the system is effectively improved.



21: 2024/07284. 22: 2024/09/25. 43: 2025/03/27
51: B67D
71: TSHABANGU, Onalenna Benedict
72: TSHABANGU, Onalenna Benedict
33: ZA 31: 2022/03638 32: 2022-03-30

54: MISFUELLING PREVENTION DEVICE AND METHOD

00: -

This invention relates to a misfuelling prevention device (10) and method. More particularly, the invention relates to a device (10), method and technology primarily for preventing the incorrect fuel from being dispensed into the tank of a motor vehicle at serviced or self-service fueling stations. The misfuelling prevention device (10) including a housing body (20) and a mounting formation (30). The housing body (20) houses at least: an indicator (40; 41) for providing a visual and/or audio indication of a status, event and/or warning; a sensor (42) for in use detecting a contained fuel type contained in a fuel tank to be refueled; and a controller (44) pre-set with a dispensable fuel type parameter range in respect of the fuel to be dispensed by a fuel pump nozzle (72). On detection of a fuel mismatch between the contained fuel type and the dispensable

fuel type parameter range, the indicator (40; 41) is triggerable by the controller (44) to output a fuel mismatch event signal as a warning of the fuel mismatch, thereby to cause shut-off of the fuel pump nozzle (70). The housing body (20) further houses a power source (46) for powering at least the indicator (40; 41), sensor (42) and controller (44). The housing body (20) is mountable to the fuel pump nozzle (72) via the mounting formation (30), which extends from the housing body (20), thereby to in use place the sensor (42) in proximity with a fuelling inlet of the fuel tank being refueled.

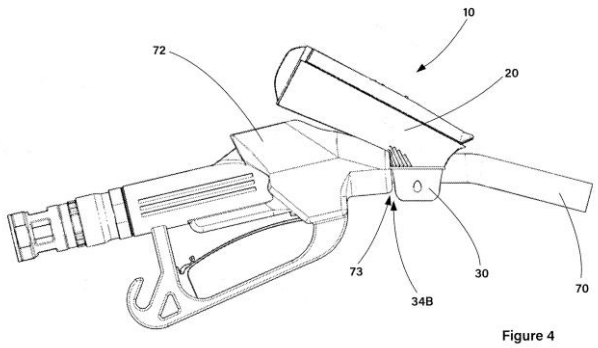
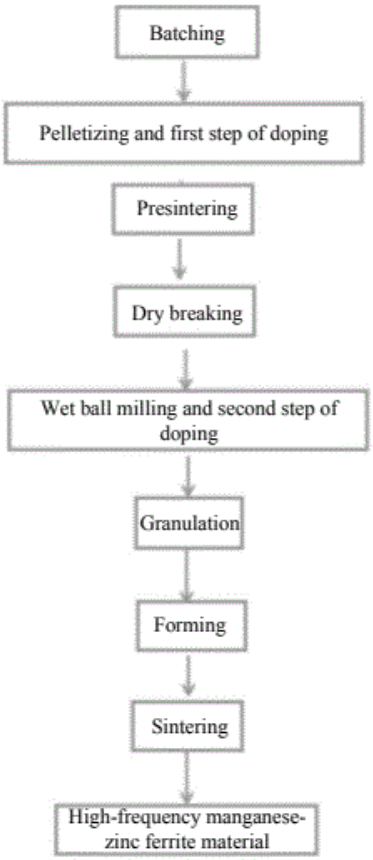
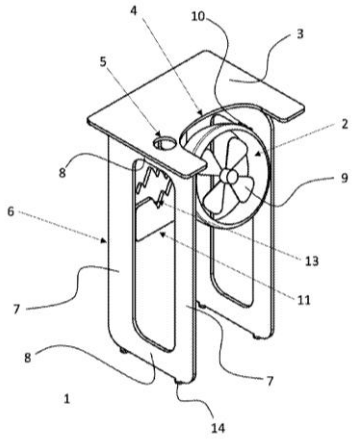


Figure 4

21: 2024/07285. 22: 2024/09/25. 43: 2025/04/01
51: C04B
71: SHANDONG CHUNGUANG MAGNETOELECTRIC TECHNOLOGY CO., LTD, SHANDONG CHUNGUANG TECHNOLOGY GROUP CO., LTD
72: LIU, Tao, SONG, Xinglian, HAN, Weidong, XIN, Benkui, WU, Shichao, LIAO, Wenju, XU, Shiliang, ZHU, Konglei, XIE, Lili, CHENG, Long
33: CN 31: 202310963462.2 32: 2023-08-02
54: PREPARATION METHOD FOR HIGH-FREQUENCY MANGANESE-ZINC FERRITE MATERIAL
00: -
The present application relates to the technical field of ferrite materials, in particular to a preparation method for a high-frequency manganese-zinc ferrite material. The preparation method for a high-frequency manganese-zinc ferrite material includes: batching and uniformly mixing iron oxide, manganese oxide and zinc oxide required by the manganese-zinc ferrite material; transferring a mixture into a pelletizer, spraying a mixed aqueous solution of titanyl sulfate and tin sulfate on a surface of powder for doping, spraying the mixed aqueous solution on the surface of the powder, then rolling the powder into pellets with the pelletizer, presintering the pellets, performing dry breaking, performing wet ball milling, and performing second step of doping and granulation to obtain the high-frequency manganese-zinc ferrite material.



21: 2024/07316. 22: 2024/09/25. 43: 2025/03/31
51: A47B; A63B
71: EXODRY
72: MARIE, Olivier
33: FR 31: FR2202811 32: 2022-03-29
54: CONSOLE FOR A SPORTS DEVICE COMPRISING A MEANS FOR COOLING THE USER
00: -
The invention relates to a console for an indoor sports device comprising a cooling means for cooling a user of the indoor sports device, an indoor sports device comprising such a console, and also a kit comprising a console according to the present invention and an indoor sports device configured to be used with the console.

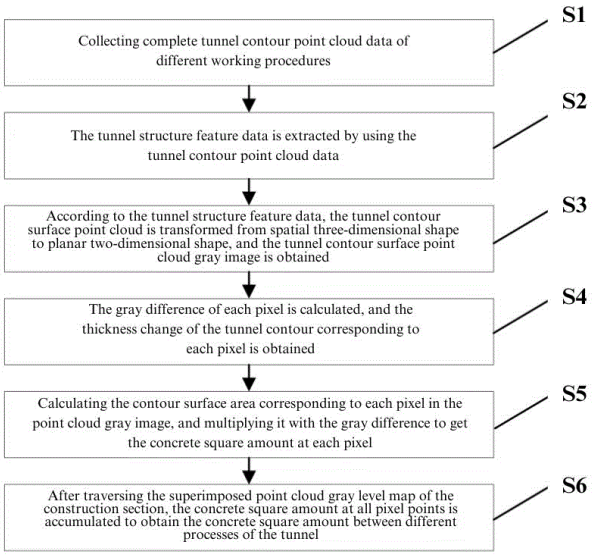


21: 2024/07327. 22: 2024/09/26. 43: 2025/03/31
51: G06T
71: China Railway No.4 Engineering Group Co., Ltd, THE SECOND ENGINEERING CO., LTD. OF CTCE GROUP
72: Bo Peng, Junmin Li, Wen Zhang, Lipeng Wang, Wensheng Liu, Guojun Wu, Anbin Yu, Qiyi Du, Lirong Zhu, Rui Yi, Zun Ye, Yanyan Zuo, Xiao Chen, Zhiping Ding
33: CN 31: 202410136945.X 32: 2024-01-31

54: A FINE CALCULATION METHOD AND A COMPUTER STORAGE MEDIUM OF CONCRETE SQUARE QUANTITY BETWEEN DIFFERENT PROCESSES OF TUNNEL

00: -

The invention provides a fine calculation method and a computer storage medium of concrete square quantity between different processes of tunnel. Three-dimensional laser scanner was used to measure the contour surface cloud data of different tunnel construction processes. The three-dimensional spatial shape of the tunnel in different processes is reproduced, and then processed and calculated with computer graphics technology, and the difference of the tunnel contour between different processes is calculated from the pixel unit. This can realize the efficient, high-precision and three-dimensional visualization analysis and measurement of the tunnel spatial structure change information, and finally obtain the high-precision concrete square amount between different processes, which has positive benefits for the construction progress, quality and economy.



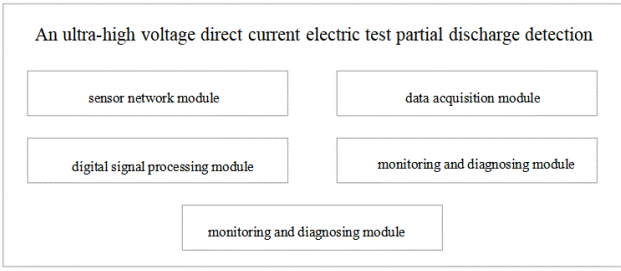
21: 2024/07331. 22: 2024/09/26. 43: 2025/03/31
51: G01R
71: Gansu Electrical Research Institute
72: Pei Xudong

54: PARTIAL DISCHARGE DETECTION SYSTEM FOR ULTRA-HIGH VOLTAGE DIRECT CURRENT ELECTRIC TEST AND METHOD THEREFOR

00: -

The present invention relates to the technical field of discharge test system, and specifically to a partial discharge detection system for an ultra-high voltage direct current electric test and a method therefor. A partial discharge detection system for an ultra-high voltage direct current electric test includes a sensor network module, a data acquisition module, a digital signal processing module, a monitoring and diagnosing module and a data management module. The sensor network module includes a position arrangement unit, a sensor type unit, a real-time data acquisition unit, a multi-point monitoring unit, a high precision and sensitivity unit and a data transmission and integration unit. The position arrangement unit is capable of accurately arranging a sensor at a key position of an ultra-high voltage direct current transmission system. By efficiently capturing and analyzing partial discharge signals, health status of the transmission system is capable of being effectively monitored by operators to find potential problems in time and carry out preventive maintenance, ensuring safe and reliable operation of

the ultra-high voltage direct current transmission system.

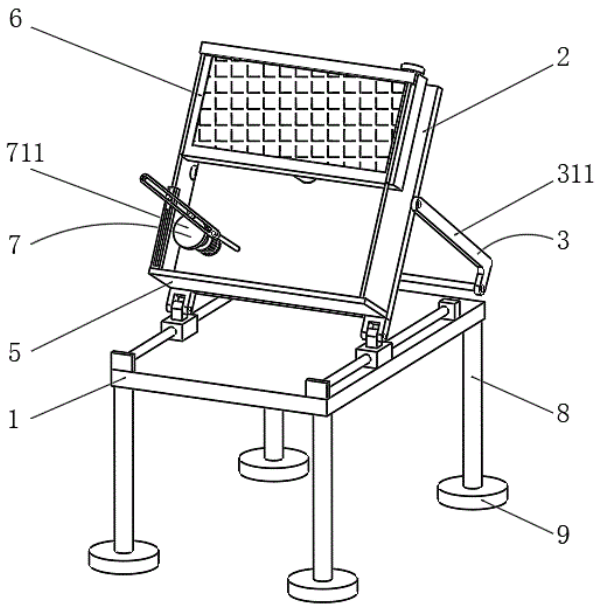


21: 2024/07332. 22: 2024/09/26. 43: 2025/03/31
51: A01M
71: Xinyu University
72: Hu Hao, Li Rong, Liu Danjuan, Zhang Luping, Zou Chunhong

54: BIRD-REPELLING DEVICE FOR COMMUNICATION TOWERS USED IN ELECTRONIC INFORMATION ENGINEERING

00: -

The present invention provides a bird-repelling device for communication towers used in electronic information engineering, falling within the technical field of bird-repelling equipment. An angle adjustment mechanism includes four fixing blocks fixedly connected to a top of a device platform, a machine base and two U-shaped blocks fixedly connected to a bottom of a fixing plate, and two connecting shafts fixedly connected to two sides of the fixing plate; limiting rods are fixedly connected between the two fixing blocks on left and between the two fixing blocks on right, sliding connecting blocks are slidably connected between outer surfaces of the two limiting rods, tops of two sliding connecting blocks are fixedly connected to connecting blocks, and inner walls of the two connecting blocks are fixedly connected to rotating shafts; and an inner wall of the machine base is fixedly connected to a first motor. By arranging the angle adjustment mechanism, the angle of the device can be adjusted according to actual needs, thereby effectively covering more areas, reducing blind spots, and enabling the bird-repelling device to more accurately target the target area and improve the bird-repelling effect.



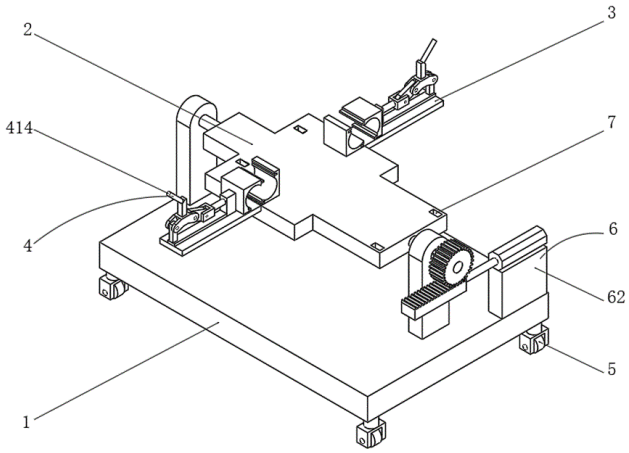
21: 2024/07336. 22: 2024/09/26. 43: 2025/04/03
51: A61G
71: Anhui Acupuncture and Moxibustion Hospital
72: Wang Baoguo, Li Fei, Cao Yi, Li Qin, Yin Weishuai, Sun Yongqi, Zhao Na, Liang Zhengpeng, Bi Xinyang, Cao Shijie

54: ACUPUNCTURE FIXING DEVICE FOR CEREBRAL STROKE PATIENTS

00: -

The present invention provides an acupuncture fixing device for cerebral stroke patients, falling within the technical field of medical appliances. Trunk fixing mechanisms include first hand rests and connecting strips, the first hand rests are fixedly connected to a top of a bed body, the connecting strips are fixedly connected to tops of fixing plates; sides of the connecting strips are fixedly connected to limiting blocks, inner walls of the limiting blocks are slidably connected to connecting rods, sides of the connecting rods are fixedly connected to second hand rests, the other sides of the connecting rods are fixedly connected to U-shaped connecting plates, inner walls of the U-shaped connecting plates are fixedly connected to connecting shafts, outer surfaces of the connecting shafts are rotatably connected to transmission arms. In the application, by arranging the trunk fixing mechanisms, the key upper limb area of the patient can be firmly fixed, reducing the risk of the displacement of acupuncture needles caused by the involuntary movement of the

patient's arms due to changes in muscle tone, and increasing safety with the use of straps.

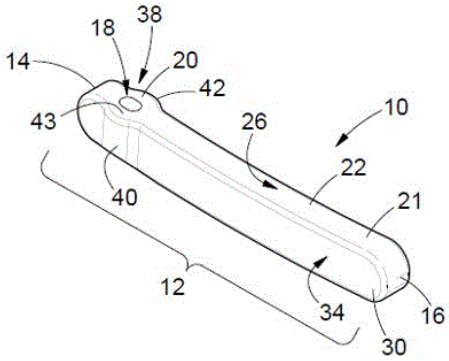


21: 2024/07357. 22: 2024/09/27. 43: 2025/04/03
51: A61B
71: BECKER, Gert Stephanus
72: BECKER, Gert Stephanus
33: ZA 31: 2023/10583 32: 2023-11-15

54: AN INTER-SURGICAL SCREW CONNECTING ROD

00: -

An inter-surgical screw connecting rod 10 comprises an elongate body 12 extending between a first end 14 and a second end 16. The elongate body 12 defines a transverse bore 18 in a first region 20 located intermediate the first end 14 and the second end 16.

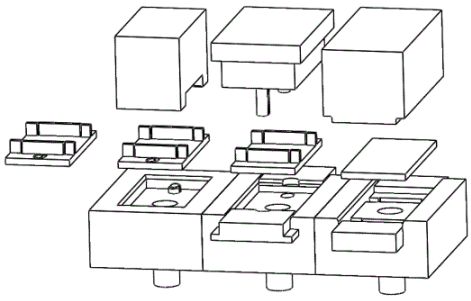


21: 2024/07358. 22: 2024/09/27. 43: 2025/04/07
51: B21J
71: Zhengzhou Research Institute of Mechanical Engineering Co., Ltd.
72: SUN, Hongxing, WANG, Tao, ZHANG, Chao, LIU, Guanghui, LIU, Dan
33: CN 31: 202410764210.1 32: 2024-06-13

54: IRON TIE PLATE FOR RAILS, AND MULTI-STATION MULTIDIRECTIONAL EXTRUSION MOLDING DIE AND METHOD THEREFOR

00: -

Disclosed are an iron tie plate for rails, and a multi-station multidirectional extrusion molding die and a method therefor. The tie plate is integrally forged from a Q235 rolled steel plate, and the die includes a first multidirectional extrusion process die set, a second punching process die set and a third burr finishing process die set which are sequentially distributed in a straight line. The molding steps include plate blanking, multidirectional extrusion molding by the first multidirectional extrusion process die set, punching by the second punching process die set, and burr finishing by the third burr finishing process die set, which are different from an iron tie plate for ductile cast iron rail transit produced by a traditional casting process.



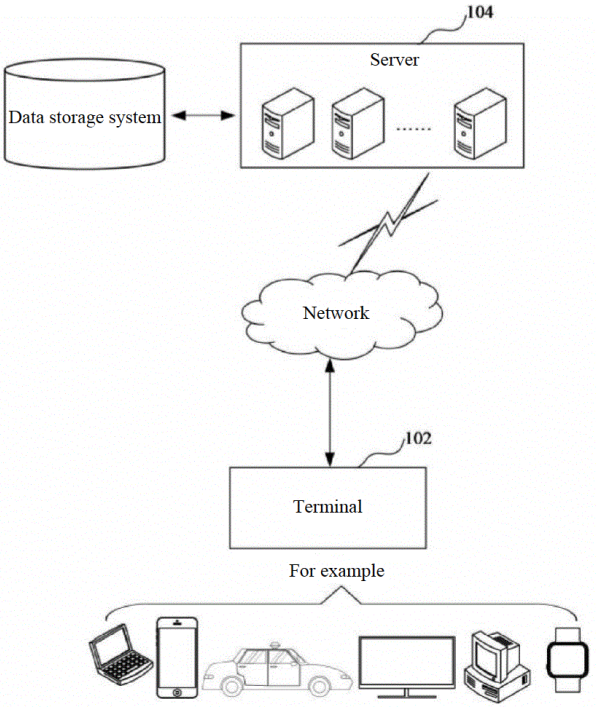
21: 2024/07359. 22: 2024/09/27. 43: 2025/04/09
51: G06Q
71: Anhui University of Chinese Medicine
72: PENG, Sijing, GE, Jiejie, WU, Chen, ZHANG, Chuanying, FANG, Juhua, YOU, Min, WANG, Ting, WANG, Xiao, HOU, Shanbing, YANG, Jun
33: CN 31: 202411124367.4 32: 2024-08-14

54: METHOD FOR EVALUATING FRAILTY PHENOTYPE AND FORMULATING CARE PLAN FOR THE ELDERLY, APPARATUS AND MEDIUM

00: -

Disclosed are a method for evaluating frailty phenotype and formulating a care plan for the elderly, an apparatus and a medium. The method includes: acquiring physiological health data, psychological state data and social interaction data of the elderly to be evaluated, and extracting key features to obtain a plurality of key indicators; according to the plurality of key indicators, generating a frailty phenotype evaluation report

(including physiological evaluation results, psychological evaluation results and social interaction evaluation results) of the elderly to be evaluated; according to the frailty phenotype evaluation report, generating a care plan (including medical recommended measures, psychological support recommended measures and social activity recommended measures) for the elderly to be evaluated; and based on the care plan, taking care of the elderly to be evaluated, acquiring health feedback data according to a set period, and optimizing and adjusting the care plan according to the health feedback data.

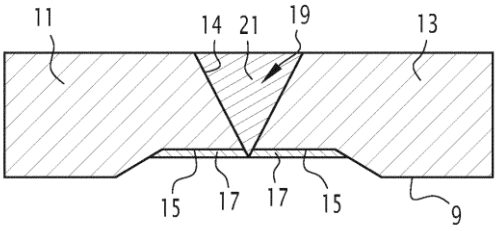


21: 2024/07392. 22: 2024/09/27. 43: 2025/04/01
51: B23K; F16L; G21C; G21D
71: FRAMATOME
72: MABELLY, Philippe, BROSSE, Alexandre
33: FR 31: 2203262 32: 2022-04-08

54: METHOD FOR WELDING TWO PIPES TO EACH OTHER, AND CORRESPONDING PIPEWORK

00: -

The welding method comprises the following successive steps: - removing a layer of an inner surface (9) of the end (11, 13) of at least one of the pipes, thereby creating a recessed zone (15) extending in the inner surface (9) to the free edge (14); - filling the recessed zone (15) by deposition of a stainless steel (17); - welding the pipe ends (11, 13) to each other by end-to-end welding



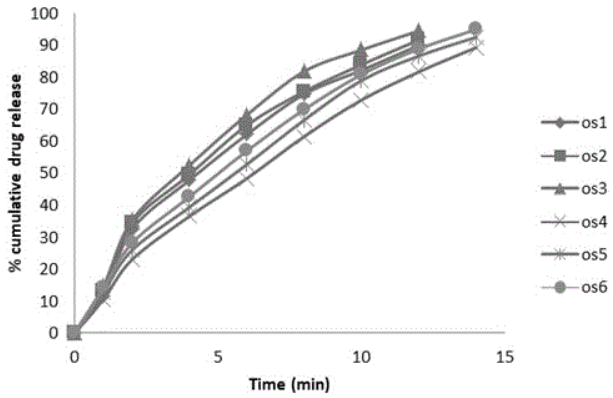
21: 2024/07409. 22: 2024/09/30. 43: 2025/04/02
51: A61J; B01F; C09K; D04H
71: Divya Budarapu, Jeevana Jyothi Bandela, Dr. Uppala Mohan Kumar
72: Divya Budarapu, Jeevana Jyothi Bandela, Dr. Uppala Mohan Kumar
33: IN 31: 202441035681 32: 2024-05-06

54: A COMPOSITION OF FAST DISSOLVING SERTRALINE HYDROCHLORIDE ORAL FILMS FOR ENHANCED BIOAVAILABILITY AND MINIMIZED SIDE-EFFECTS

00: -

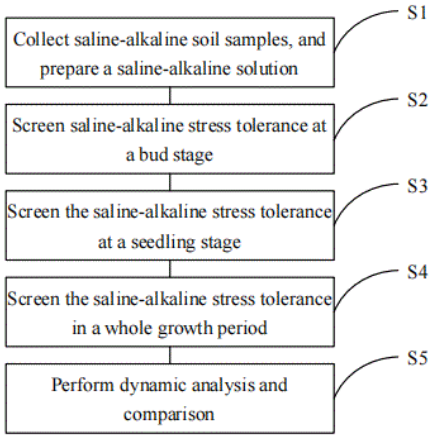
This invention relates to fast dissolving oral films (OFDF) of Sertraline Hydrochloride (STR) (100), an antidepressant belonging to the selective serotonin reuptake inhibitor (SSRI) category. The oral bioavailability of Sertraline is limited due to extensive first-pass metabolism, necessitating gradual dose escalation leading to dose-related side effects. To address these limitations, the present invention provides a novel formulation strategy employing OFDF to enhance drug absorption and minimize side effects. Solid dispersions of Sertraline are prepared using high molecular weight PEG 4000, followed by formulation into fast dissolving oral films using pullulan and polyvinyl alcohol (PVA) polymers. The resulting OFDF exhibit improved dissolution, uniformity, and texture, thereby enhancing patient compliance and therapeutic efficacy while reducing dose-related adverse effects. Evaluation of the OFDF includes various parameters such as thickness, weight uniformity, disintegration time, drug content, SEM, FTIR, XRD, dissolution studies, wetting time, moisture uptake, and in-vivo pharmacokinetic studies. This innovation offers a promising approach for the effective and well-tolerated oral delivery of Sertraline, with potential

applications in the treatment of depression and related disorders.



21: 2024/07410. 22: 2024/09/30. 43: 2025/04/02
51: C04B
71: Central South University
72: Qiusong CHEN, Aixiang WU, Zhuen RUAN, Daolin WANG
33: CN 31: 2024112188195 32: 2024-09-02
54: PREPARATION METHOD FOR CEMENTED FILLING BASED ON PHOSPHOGYPSUM PRETREATMENT
00: -
The invention patent discloses a preparation method for cemented filling based on phosphogypsum pretreatment, which specifically relates to the technical field of phosphogypsum application, including the following steps: selecting the phosphogypsum after full pressure filtration in the process of phosphoric acid production; dissolving NaOH with a small amount of deionized water, and diluting the NaOH solution with deionized water after cooling to room temperature, adding APAM flocculant into deionized water to prepare APAM solution, mixing the phosphogypsum with diluted NaOH solution, and adding APAM solution to separate the supernatant from high concentration phosphogypsum slurry, after standing, adding calcium hydroxide to adjust the pH of the supernatant to weak alkaline, filtering, drying and floating the supernatant; adding a certain amount of deionized water and ordinary Portland cement, and mixing evenly to obtain the required homogeneous cemented filling slurry. The technical scheme of the invention solves the problem that phosphogypsum in the existing cemented filling body pollutes groundwater, and further broadens the application prospect of phosphogypsum in the filling field.

21: 2024/07411. 22: 2024/09/30. 43: 2025/04/02
51: A01G
71: Heilongjiang Academy of Agricultural Sciences
72: LI, Jinrong, ZHOU, Yuanyuan, WANG, Jiajun, GAO, Mingjie, LIU, Xiulin, REN, Honglei, CUI, Liwei
54: DYNAMIC ANALYSIS AND COMPARISON METHOD FOR IDENTIFYING SALINE-ALKALINE TOLERANCE OF SOYBEAN
00: -
Disclosed is a dynamic analysis and comparison method for identifying saline-alkaline tolerance of a soybean. The method includes: S1, collecting saline-alkaline soil samples, and preparing a saline-alkaline solution; S2, screening saline-alkaline stress tolerance at a bud stage; S3, screening the saline-alkaline stress tolerance at a seedling stage; S4, screening the saline-alkaline stress tolerance in a whole growth period: transplanting highly saline-alkaline tolerant soybeans and saline-alkaline tolerant soybeans screened out at the seedling stage into a potted bucket filled with saline-alkaline soil by a pot-culture method; controlling temperature in a greenhouse, and performing culture in the whole growth period; and S5, performing dynamic analysis and comparison: performing dynamic analysis and comparison on screening results in all stages, evaluating saline-alkaline tolerance performance of the soybeans in a whole growth cycle, and obtaining final evaluation of the saline-alkaline tolerance of the soybeans by means of comprehensive consideration of multiple indexes.



21: 2024/07412. 22: 2024/09/30. 43: 2025/04/02
51: C04B
71: Guangxi Shangheng Expressway Co., Ltd.

72: Fubing TAN, Liang HE, Haiyi LU, Ronglong HE, Fanhua ZENG, Xingming LIN

54: A METHOD FOR PREPARING AN ASPHALT MIXTURE BY HARMLESSLY APPLYING ALUMINUM ELECTROLYSIS WASTE REFRACTORY MATERIAL

00: -

The present invention provides a method for preparing an asphalt mixture by harmlessly applying aluminum electrolysis waste refractory material, the aluminum electrolytic waste refractory material is precipitated by calcium salt and then treated with biological material chitosan, and then glutaraldehyde is used to perform an acid and alkali resistance treatment, and finally, superhydrophobic modification is performed, the obtained surface organic superhydrophobic aluminum electrolytic waste refractory material and asphalt, coarse and fine aggregate are heated and mixed in an asphalt mixture mixer. This method gives aluminum electrolytic waste refractory material the stability and non-polar end group of acid and alkali-resistant environment, and has excellent adhesion performance with asphalt, which effectively controls the exudation of toxicity from aluminum electrolytic waste refractory material itself, so that it can be safely applied in asphalt mixture, meanwhile, it significantly improves the high-temperature stability and water stability of asphalt mixture, and has significant social benefits and environmental benefits.

21: 2024/07413. 22: 2024/09/30. 43: 2025/04/02

51: A23K

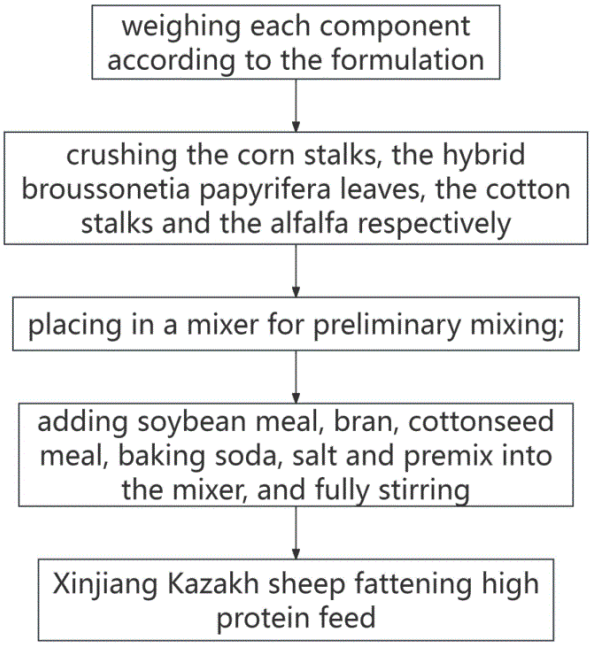
71: Xinjiang Production and Construction Corps Seventh Division Agricultural Science Research Institute

72: Hui ZHANG, Pengzhi MAO, Haijuan WANG, Zhangming SHEN, Yanmei WU, Guoqing HOU, Wen ZHANG, Jing DU

54: A XINJIANG KAZAKH SHEEP FATTENING HIGH PROTEIN FEED AND PREPARATION METHOD THEREOF

00: -

The present invention discloses a Xinjiang Kazakh sheep fattening high protein feed and preparation method thereof, which belongs to the field of feed preparation, a Xinjiang Kazakh sheep fattening high protein feed provided by the present invention, composed of the following weight percentage of raw materials: corn straw 15%-20%, hybrid broussonetia papyrifera leaves 10%-15%, cotton stalk 6%-10%, alfalfa 10%-15%, soybean meal 6%-11%, eggshell powder 0.6%-1%, bran 7%-10%, cottonseed meal 8%-15%, baking soda 0.9%-1.5%, salt 0.2%-0.3%, premix 0.8% -1.2%. The Xinjiang Kazakh sheep fattening high protein feed provided by the present invention can meet the nutritional needs of the sheep in the fattening stage, improve the nutrient absorption efficiency of the sheep, and improve the feed utilization rate.



21: 2024/07414. 22: 2024/09/30. 43: 2025/04/02

51: C04B

71: Guangxi Shangheng Expressway Co., Ltd.

72: Xiong GAO, Jikai TANG, Zhirong WU, Qinhuan LIANG, Shengjie ZHAO, Lei GONG

54: AN ENVIRONMENTALLY FRIENDLY HIGH-PERFORMANCE ASPHALT MIXTURE AND PREPARATION METHOD THEREOF

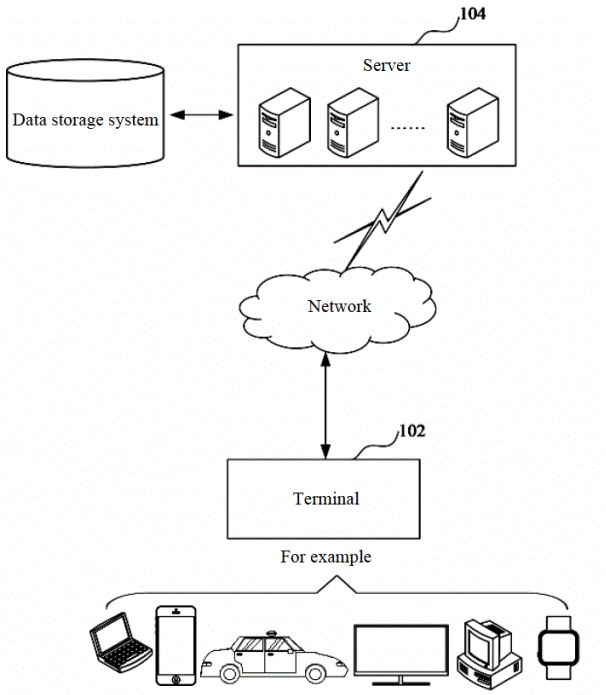
00: -

The present invention provides an environmentally friendly high-performance asphalt mixture, which is obtained by mixing asphalt, coarse and fine aggregates and surface organic spent pot lining in an asphalt mixture mixer after heating; the surface organic spent pot lining is obtained by chemical modification of spent pot lining with chitosan and sodium alginate. The present invention improves the high-temperature stability and water stability of

asphalt mixture while reducing the use of conventional mineral powder, and guarantees its safety.

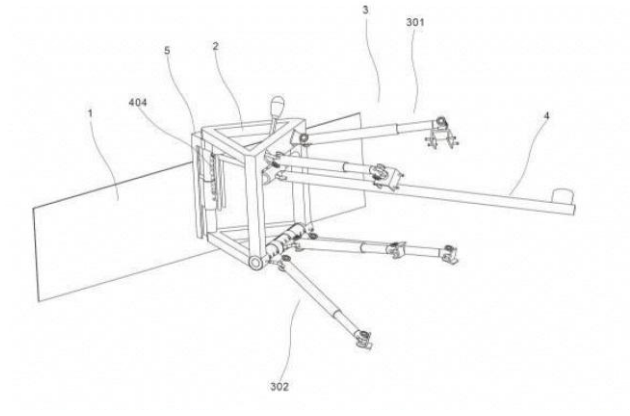
21: 2024/07415. 22: 2024/09/30. 43: 2025/04/02
51: C04B
71: Guangxi Shangheng Expressway Co., Ltd.
72: Yuchun LU, Fubing TAN, Yugang HAN, Jin XIE, Qinhuan LIANG, Mengxian WEI
54: A RAPID REPAIR METHOD FOR ROAD CRACKS BASED ON GEOPOLYMER-MODIFIED ASPHALT
00: -
The present invention provides a rapid repair method for road cracks based on geopolymer-modified asphalt, the adopted repair materials are modified asphalt materials and their mixtures, wherein SBS-modified asphalt is used as a base material for modified asphalt and geopolymer is used as a modifier. It includes pavement milling, mixture mixing, mixture transportation, paving and rolling, and traffic opening are adopted to realize rapid repair. The present invention can effectively prevent the problems of the rutting, passage and water damage of asphalt pavement in the early stage. And a new way of recycling industrial waste and a new direction of asphalt modification are provided.

21: 2024/07416. 22: 2024/09/30. 43: 2025/04/02
51: G06Q
71: Ministry of Water Resources Pastoral Water Conservancy Science Institute, Ordos Afforestation Zongchang
72: YAO, Zhenyu, YANG, Zhenqi, GUO, Jianying, LV, Guanglin, TAO, Li, HAN, Shengli, SHEN, Hongxia, YANG, Rui, LIU, Yanping, ZHENG, Ying, LIU, Xinyu, ZHANG, Tiegang, ZHAO, Tianqi, LIU, Jing, MIAO, Henglu, ZHOU, Xu
54: METHOD AND APPARATUS FOR IMPROVING QUALITY AND EFFICIENCY OF SOIL AND WATER CONSERVATION FOREST-GRASS PROJECT IN HILLY AND GULLY REGION, DEVICE AND MEDIUM
00: -
Disclosed are a method and apparatus for improving quality and efficiency of a soil and water conservation forest-grass project in a hilly and gully region, a device and a medium. The method includes: acquiring terrain data, vegetation cover, soil data, hydrothermal data and forest stand factors of a target region, and determining a site type and a forest growth state; determining a forest measure benefit value; determining a control demand intensity value; determining a site condition suitability score; determining a function suitability score of the target region; determining a control demand suitability score according to the control demand intensity value; and determining a comprehensive suitability score according to the site condition suitability score, the function suitability score and the control demand suitability score, and constructing a multi-dimensional model for improving the quality and efficiency so as to adjust a soil and water conservation forest-grass project of the target region.

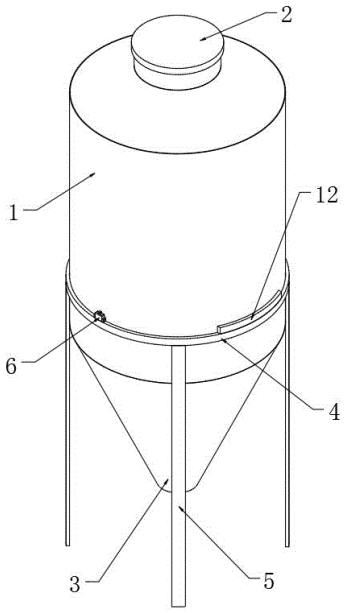


21: 2024/07418. 22: 2024/09/30. 43: 2025/04/02
51: A01K
71: Henan Provincial Animal Husbandry General Station, Ningling County Yudong Animal Husbandry Development Co.,Ltd.
72: WANG Xianwei, HU Yeyong, ZHANG Jiaqing, XU Man, MA Jianling
54: PUSHING AND CLEANING DEVICE FOR ANIMAL HUSBANDRY
00: -
The invention relates to a pushing and cleaning device for animal husbandry, which adopts a scraper structure, and designs related fixing devices for

hanging the scraper structure on agricultural machinery such as tricycles. The scraper is installed on the walking agricultural machinery through the fixing devices, and the walking of agricultural machinery drives the scraper to push the forage spilled out of the feeding trough at the edge of the trail and push it back to the feeding trough for livestock to continue eating. The fixing device adopts the form of supporting part and tensioning part, so that it can cope with agricultural machinery with different structures and forms, and has wide applicability.



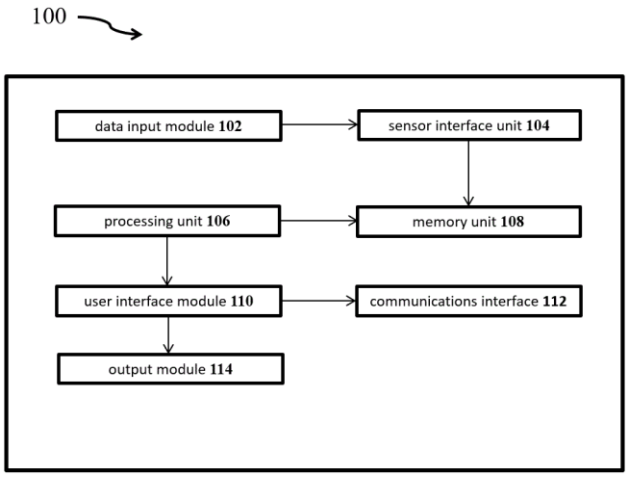
21: 2024/07420. 22: 2024/09/30. 43: 2025/04/02
51: B65D
71: China Railway No.2 Bureau No.4 Engineering Co., Ltd., China Railway Investment Group Co., Ltd., China RAILWAY NO.2 Engineering Group Co., Ltd., China Railway Second Bureau Changchun Engineering Co., Ltd.
72: Wei Zhao, Yu Lu, Haiyang Tian, Xiaolin Dou, Shengxing Zhong, Qiulin Hu, Yuanshuai Zhao
33: CN 31: 202323395414.2 32: 2023-12-12
54: A TEMPORARY SAND AND GRAVEL STORAGE BIN
00: -
The present invention discloses a temporary sand and gravel storage bin, which includes a bin body, an inlet, and an outlet. The inlet is positioned at the top of the bin body, and the outlet is positioned at the bottom of the bin body. An installation ring is sleeved on the surface of the bin body, and support rods are fixedly connected to both sides of the front and rear sides of the bottom of the installation ring. The front and rear sides of the bin body are fixedly connected to housings, and both sides of the housings are provided with positioning seats. By arranging and coordinating the use of the installation ring, support rods, housings, positioning seats, positioning components, first through port, second through port, and positioning components, the pull rod is moved upward, driving the positioning rod and the positioning post to move upward. The positioning post drives the positioning members on both sides to move in opposite directions, and the positioning members drive the connecting block and the positioning members to move in the same direction. This solves the problem of the difficulty in disassembling existing sand and gravel storage facilities, making them hard to reuse and thus increasing the cost required for subway construction projects.



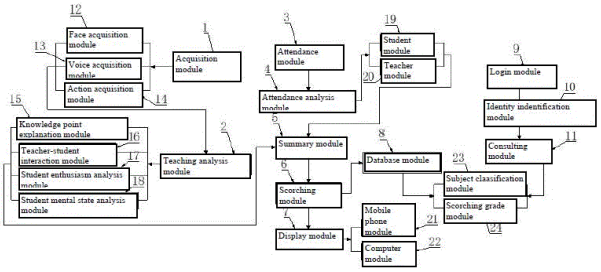
21: 2024/07423. 22: 2024/09/30. 43: 2025/04/07
51: A01C
71: Anhui Science and Technology University
72: Shao Qingqin, Liu Huan, Ren Lantian, Hao Bing, Wang Xingyu, Pan Yang, Ning Jiayao
54: VARIABLE FERTILIZATION METHOD FOR RICE
00: -
The present invention provides a variable fertilization method for rice, falling within the field of agricultural planting, including steps of detection of soil fertility, monitoring of rice growth information, establishment of fertilization model, implementation of variable fertilization, and evaluation and adjustment of fertilization effect. The present invention aims to solve the problem that the traditional rice fertilization

method cannot carry out precise fertilization according to the actual situation, and provides a method for variable fertilization according to soil fertility, rice growth stage and environmental factors.

21: 2024/07425. 22: 2024/09/30. 43: 2025/04/07
51: G06F
71: Universidad Bernardo O'Higgins, SHAMAEVA, Ekaterina F., ABBAS, Nadezda
72: SHAMAEVA, Ekaterina F., ABBAS, Nadezda
54: SYSTEM FOR MARKET VALUE ASSESSMENT OF MINERAL DEPOSITS CONSIDERING PRODUCT QUALITY AND RESOURCE EFFICIENCY
00: -
This invention relates to a method and system for the market value assessment of mineral deposits, focusing on product quality, energy, and financial resource efficiency, acceptable exchange value limits, and applicable discount rates. The primary objective is to provide a robust and comprehensive evaluation mechanism that integrates multiple factors, including real-time data and historical trends, to offer a more accurate market valuation for mineral extraction projects. The system introduces a novel approach to valuation by incorporating energy consumption metrics, financial resource optimization, and the quality of the extracted product, which enhances the accuracy and reliability of the overall valuation process. This abstract outlines the technical and operational aspects of the invention, the system components, and the method it follows for calculating the mineral deposit's market value.



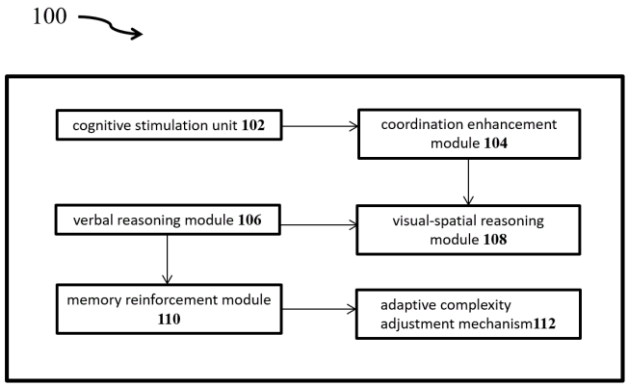
21: 2024/07427. 22: 2024/09/30. 43: 2025/04/02
51: G06Q
71: Xinjiang Normal University
72: Meng Xiaomei, Wang Wei, Yan Juting
54: TEACHERS' TEACHING LEVEL ASSESSMENT SYSTEM BASED ON BIG DATA ANALYSIS
00: -
The present application provides a teachers' teaching level assessment system based on big data analysis, falling within the technical field of teaching assessment. The system includes a data acquisition module: used for acquiring teachers' teaching process; a teaching analysis module: used for analyzing and processing information collected by the data acquisition module; an attendance module: used for collecting attendance items; an attendance analysis module: used for analyzing and processing information collected by the attendance module; a summary module: used for processing information obtained by the teaching analysis module and the attendance analysis module; and a scoring module: used for comprehensively scoring information summarized by the summary module to obtain teachers' scores. According to the teachers' teaching level assessment system, the teachers' teaching level is assessed from different aspects including teachers' teaching methods, teaching content quality, knowledge point explanation, students' interaction, students' acceptance of knowledge points, etc., which makes a whole assessment result more fine and accurate, and reduces influence of human factors on teachers' assessment.



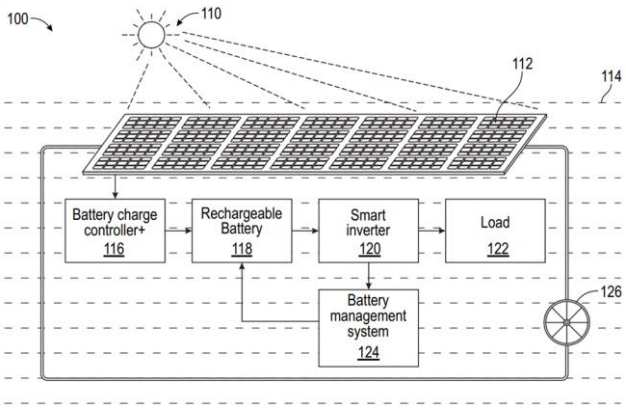
21: 2024/07428. 22: 2024/09/30. 43: 2025/04/02
51: G06Q
71: Anhui Science and Technology University
72: Shao Qingqin, Shu Chenhui, Ren Lantian, Hao Bing, Li Kaiwei, Ma Dongxu, Yue Zihan
54: METHOD FOR ESTIMATING WHEAT YIELD BASED ON MULTI-SPECTRAL IMAGES ACQUIRED BY UNMANNED AERIAL VEHICLE

00: -
Disclosed is a method for estimating wheat yield based on multi-spectral images acquired by an unmanned aerial vehicle, including steps of unmanned aerial vehicle flight planning and multi-spectral images acquisition, multi-spectral images preprocessing, features extraction and analysis, construction of a yield estimation model, model verification and accuracy evaluation, and wheat yield estimation and application. By leveraging unmanned aerial vehicles to capture high-resolution multi-spectral images, and integrating advanced images processing and machine learning algorithms, the present invention achieves efficient and precise estimation of wheat yield, providing a scientific basis for decision-making in agricultural production management.

21: 2024/07429. 22: 2024/09/30. 43: 2025/04/02
51: G06F
71: Universidad Bernardo O'Higgins, AMAYA ORELLANA, Carmen Gloria, CARSTENS VÁSQUEZ, Chestin Tatiana
72: AMAYA ORELLANA, Carmen Gloria, CARSTENS VÁSQUEZ, Chestin Tatiana
54: A METHOD AND DEVICE FOR ENHANCING COGNITIVE FUNCTION IN OLDER ADULTS TO PREVENT MILD COGNITIVE IMPAIRMENT
00: -
The present invention relates to a cognitive enhancement device designed to prevent mild cognitive impairment in older adults. The device comprises a multi-compartment housing unit that organizes various cognitive stimulation modules, each targeting specific executive functions such as memory recall, verbal reasoning, visual-spatial processing, and motor coordination. The device features physical interaction interfaces, including coordination enhancement components that promote motor-cognitive synchronization through tactile tasks. Each module is equipped with real-time feedback sensors and is dynamically adjusted in complexity based on user performance, providing personalized and progressive cognitive development. The system integrates a central processing hardware unit that controls task adjustments, tracks user performance, and offers continuous cognitive monitoring. By engaging multiple cognitive domains and providing adaptive complexity, the device promotes long-term cognitive improvement and reduces the risk of cognitive decline in older adults.



21: 2024/07435. 22: 2024/09/30. 43: 2025/04/04
51: H04W
71: MOHANACHANDRAN, Dileep Kumar, AGARWAL, Sohit, JENA, Soumya Ranjan, UPPIN, Chandrashekhar, BABU, Manju Rajan
72: MOHANACHANDRAN, Dileep Kumar, AGARWAL, Sohit, JENA, Soumya Ranjan, UPPIN, Chandrashekhar, BABU, Manju Rajan
54: AN ENERGY MANAGEMENT SYSTEM FOR UNDER SEA COMMUNICATIONS
00: -
The present invention is related to an energy management system for undersea communications. this energy management system (100) for undersea communications that integrates the internet of energy (IoE). The system captures renewable energy using submerged solar panels (112) illuminated by sunlight (110) in seawater (114). a battery charge controller (116) regulates the electricity generated and stores it in a rechargeable battery (118). the smart inverter (120), equipped with IoT sensors, distributes power to a load (122) while the battery management system (124) optimizes battery performance and monitors operational status. a float controller (126) adjusts the system's position in seawater for optimal energy capture. this IoE-based system enables efficient, reliable, and sustainable power management for underwater communication devices, reducing maintenance costs and environmental impact. predictive analytics enhance system reliability through machine learning methods, ensuring the uninterrupted operation of communication networks in challenging underwater environments.

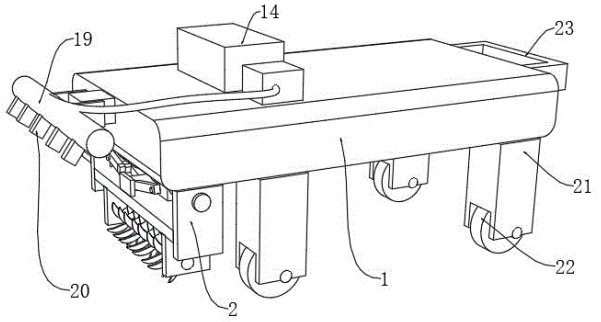


21: 2024/07438. 22: 2024/09/30. 43: 2025/04/07
51: A01B
71: Horticultural Crop Research Institute of Xinjiang Academy of Agricultural Sciences, Xinjiang Ailinur Agricultural Technology Development Co., Ltd, Agricultural Mechanization Research Institute of Xinjiang Academy of Agricultural Sciences
72: Zhuang Hongmei, Wang Hao, Yu Ming, Wang Qiang, Liu Huifang, Han Hongwei, Yue Li, Ban Ting, Shi Shuai, Liang Qiuyan, Hua Zhenyu, Hailili Reyilamu

54: SOIL-TURNING DEVICE FOR BRASSICA RAPA CULTIVATION

00: -

The present invention provides a soil-turning device for Brassica rapa cultivation, including a frame, support plates are fixedly connected to two sides of a front end of a bottom of the frame, a bidirectional threaded rod penetrates and is rotatably connected to the two support plates, moving blocks are connected to exteriors of two sides of the bidirectional threaded rod in a threaded way, movable frames are rotatably connected to opposite sides of the two moving blocks, and a lifting plate is arranged below the bidirectional threaded rod. In the present invention, the frame, a water tank, a hose, a mounting frame, a diversion pipe and nozzles cooperate with each other to wet soil through the nozzles, and the effect of soil-turning is better.

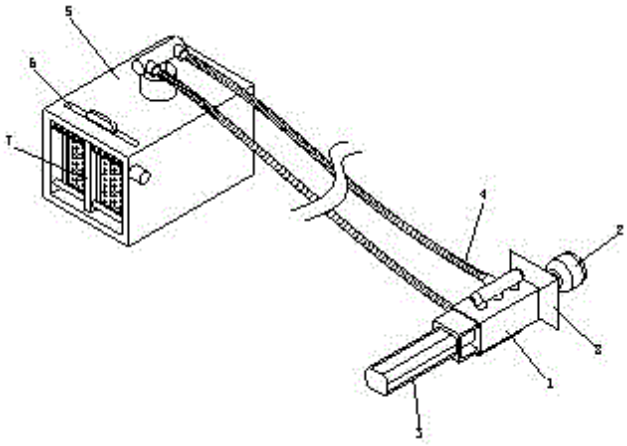


21: 2024/07440. 22: 2024/09/30. 43: 2025/04/07
51: B24B
71: Shandong Institute of Petroleum and Chemical Technology
72: Liu Shanzeng, Liu Jiaming, Liu Lihong

54: ROBOTIC INTELLIGENT GRINDING HEAD

00: -

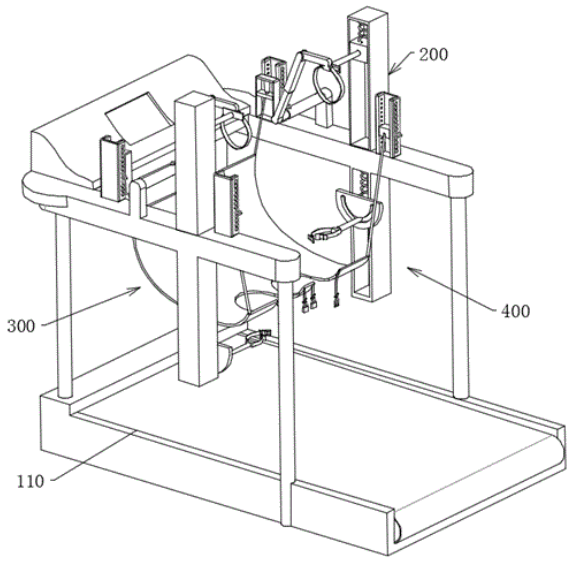
Disclosed is a robotic intelligent grinding head in the present application, relating to the technical field of work piece processing. A connecting bunker is included, a link handle is fixedly connected to one side of the connecting bunker, and a grinding unit is mounted in the connecting bunker; a dust-exhaust assembly is fixedly connected to the connecting bunker, and one end of the dust-exhaust assembly is fixedly connected to a dust collection box; and a detachable dustproof mesh is mounted on one side of the dust collection box, and one side of the dust collection box is fixedly connected to a brush-cleaning assembly. When the grinding head is used, a work piece is ground through operating the internal components of the grinding unit. During grinding, through the operation of the components of the dust-exhaust assembly, the air from an interior of the connecting bunker can be evacuated by the internal components of the dust-exhaust assembly, forming negative pressure at a dust-exhaust hood, and then the raise dust and dust generated in the process of grinding are extracted and transported to the dust collection box for storage, reducing the pollution to the surrounding environment by the spillover of the dust and improving the practicability.



21: 2024/07445. 22: 2024/09/30. 43: 2025/04/04
51: A63B
71: THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL)
72: Chen CHEN

54: MATERNITY OBSTETRIC ACTIVITY ASSISTANCE DEVICE

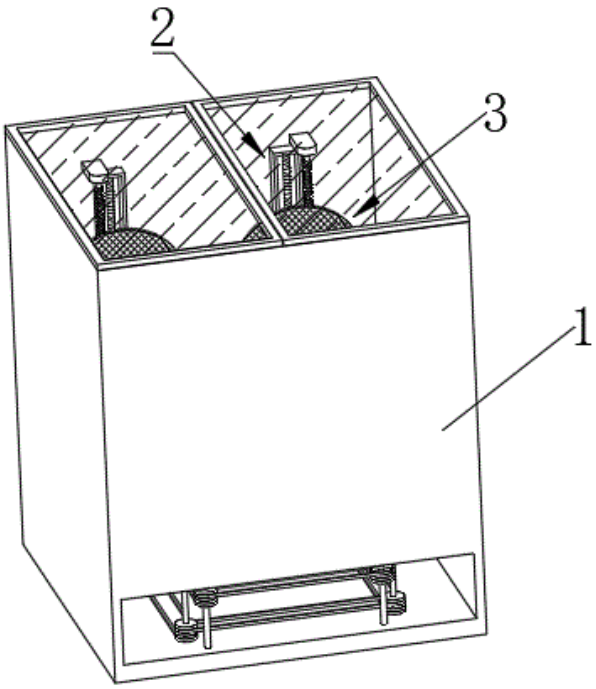
00: -
The present disclosure relates to a maternity obstetric activity assistance device. The maternity obstetric activity assistance device, including a treadmill, wherein waist pressure relief mechanisms are fixedly connected to top walls of handrails on both sides of the treadmill, a balance adjustment mechanism is fixedly connected between the handrails on both sides of the treadmill, and foot sprain prevention mechanisms are fixedly connected to bottom walls of the handrails on both sides of the treadmill; and the waist pressure relief mechanism comprises a square shell I, an outer wall of the square shell I is fixedly connected to the handrail of the treadmill, a sliding block I is slidably inserted into the square shell I, and a spring I is fixedly connected between an outer wall of the sliding block I and an inner wall of the square shell I.



21: 2024/07446. 22: 2024/09/30. 43: 2025/04/04
51: B08B
71: THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL)
72: Chen CHEN

54: MIDWIFERY CLEANING DEVICE

00: -
The present disclosure relates to a midwifery cleaning device. The midwifery cleaning device, including an ultrasonic cleaning machine body, wherein a lifting mechanism is arranged inside the ultrasonic cleaning machine body, a rotating mechanism is arranged inside the lifting mechanism, the lifting mechanism comprises a rectangular frame, a number of the rectangular frame is four, and the four rectangular frames are distributed in a rectangular shape and fixed to two opposite side faces inside the ultrasonic cleaning machine body, and a screw rod is rotatably connected between two short side surfaces inside the rectangular frame. According to the midwifery cleaning device, the roller can be controlled to move in the ultrasonic cleaning machine body through rotation of the four screw rods, so that the roller drives the medical instrument to be immersed in water, the medical instrument can be cleaned through rotation of the roller.

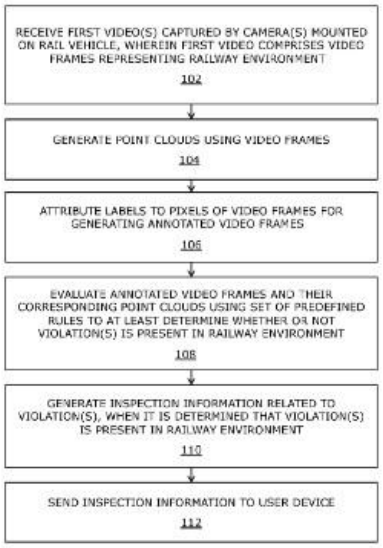


21: 2024/07457. 22: 2024/09/30. 43: 2025/04/04
51: B61L; G06T
71: HACK PARTNERS LIMITED
72: KAY, Sebastian Adam, TARGINO DA COSTA, Andre Luiz Nunes, PARANDEH, Alireza
33: GB 31: 2202920.1 32: 2022-03-02

54: AUTOMATIC DIGITAL INSPECTION OF RAILWAY ENVIRONMENT

00: -

Disclosed is a method for automatic digital inspection of a railway environment. The method comprising receiving at least a first video captured by at least one camera mounted on a rail vehicle, wherein the first video comprises video frames representing the railway environment; generating point clouds using the video frames, wherein a given point cloud correspond to a given set of video frames; attributing labels to each pixel of the video frames for generating annotated video frames; evaluating the annotated video frames and their corresponding point clouds using a set of predefined rules to at least determine whether or not at least one violation is present in the railway environment; generating inspection information related to at least one violation, when it is determined that at least one violation is present in the railway environment; and sending the inspection information to a user device.



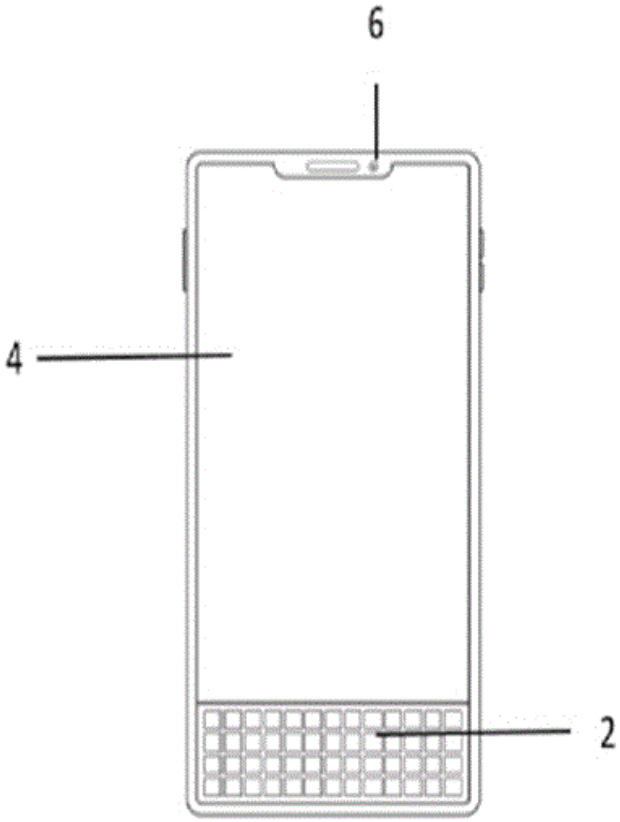
21: 2024/07482. 22: 2024/10/01. 43: 2025/04/07
51: G06F
71: MOHANACHANDRAN, Dileep Kumar, AGARWAL, Sohit, JENA, Soumya Ranjan, LOONKAR, Shweta, DESAI, Karishma, JAYAKRISHNAN, Kalpana Venugopal
72: MOHANACHANDRAN, Dileep Kumar, AGARWAL, Sohit, JENA, Soumya Ranjan, LOONKAR, Shweta, DESAI, Karishma, JAYAKRISHNAN, Kalpana Venugopal

54: A MOBILE COMMUNICATION DEVICE INTEGRATED WITH SOLAR PANELS AND SOLAR CONTROL GLASS

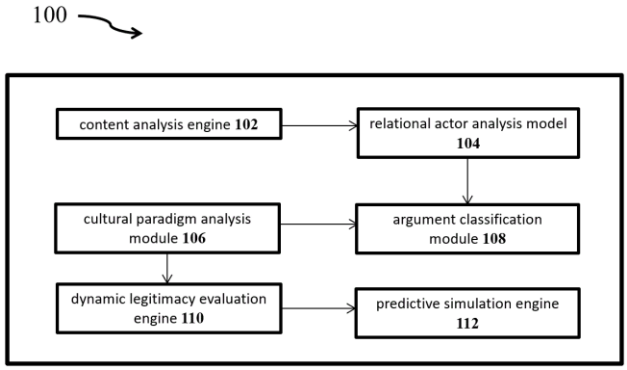
00: -

The present invention is related to a mobile communication device integrated with solar panels (2) and advanced energy management systems. The device features a display screen (4) and a front camera (6), designed to capture solar energy for efficient charging. The solar panels can be positioned on both sides of the display or at the bottom, utilizing high-efficiency photovoltaic materials for optimal energy harvesting. A high-capacity lithium-ion or solid-state battery stores the generated energy, while an intelligent energy management system optimizes power consumption and storage. The touchscreen interface replaces traditional keypads, offering user-friendly input through gestures and voice recognition (6). The device supports standard wired charging and incorporates weather-resistant materials for durability. Additionally, the design emphasizes sustainability, utilizing recyclable components. This

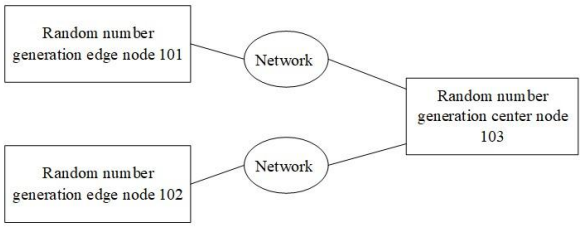
invention addresses environmental concerns associated with mobile devices while providing a reliable and innovative communication solution.



21: 2024/07483. 22: 2024/10/01. 43: 2025/04/07
51: G06N
71: Universidad Bernardo O'Higgins, CARRIER, Alain, MUÑOZ, Juan
72: CARRIER, Alain, MUÑOZ, Juan
54: SYSTEM AND METHOD FOR PUBLIC POLICY LEGITIMACY EVALUATION THROUGH MULTI-VARIABLE ANALYSIS
00: -
The present invention relates to a system and method for evaluating the legitimacy of public policies through a multi-variable analysis framework. The system integrates diverse analytical factors such as actor participation (both formal and informal), cultural paradigms, and argument types to assess how various societal and stakeholder dynamics influence public perception and acceptance of policies. A content analysis engine processes data from multiple sources, and the system utilizes actor classification, cultural paradigm analysis, and argument categorization to provide a comprehensive legitimacy evaluation. The system further includes a predictive simulation engine that enables users to model different policy scenarios by adjusting variables to forecast potential outcomes. The system's dynamic adaptability allows it to continuously recalibrate based on real-time data, providing policymakers with an advanced tool for proactively managing policy legitimacy.



21: 2024/07485. 22: 2024/09/30. 43: 2025/04/07
51: G06F
71: NANJING JUGONG TECHNOLOGY CO., LTD.
72: CHEN, Yin, QIAN, Qingzhao
33: CN 31: 202210401983.4 32: 2022-04-18
33: CN 31: 202210887783.4 32: 2022-07-26
54: APPARATUS AND METHOD FOR GENERATING TRUE RANDOM NUMBER
00: -
Disclosed is an apparatus and method for generating a true random number used for lotteries or sweepstakes. Random number generation edge nodes are made of a number of transparent materials and placed in a public place to provide a live broadcast service, and can support an information security auditing function, a high-credibility and auditable true random number can be visually generated. A plurality of random number generation edge nodes can be deployed in different regions at the same time, but power and communication networks are not shared. Software and hardware devices are used to generate random numbers automatically and rapidly, so true random numbers can be reliably, quickly, and neutrally generated for a long time. As a random number generation center node can provide a true random number seed generation service for all the public by means of a public interface, a random number generation service can be conveniently used.



21: 2024/07491. 22: 2024/10/01. 43: 2025/04/07
51: A61L; B05B
71: PENNY, Hilton Lesley
72: PENNY, Hilton Lesley
33: ZA 31: 2022/02592 32: 2022-03-03
54: MISTING DEVICES
00: -
The invention provides a misting device for producing a dry mist, which includes a liquid storage chamber for housing a liquid to be dispersed into a surrounding area, a first misting chamber in fluid communication with the liquid storage chamber such that the liquid is fed from the liquid storage chamber into the first misting chamber. The first misting chamber includes an ultrasonic misting device, which produces liquid particles from the liquid and further includes a liquid particle outlet. Furthermore, a second misting chamber is connected to the liquid particle outlet, for retaining the liquid particles produced by the ultrasonic misting device. The second misting chamber having at least one atomizer for atomizing the liquid particles to produce a dry mist and at least one dry mist outlet through which the dry mist is released from the second misting chamber to the surrounding area.

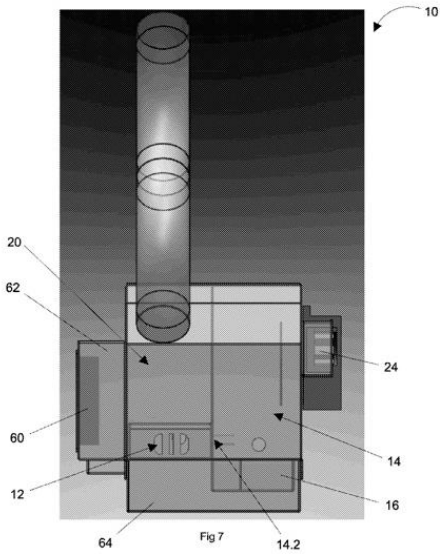
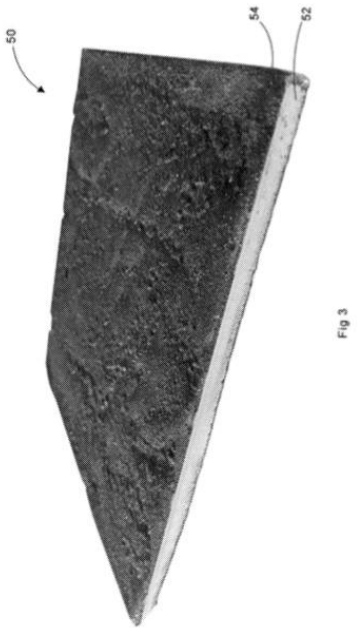
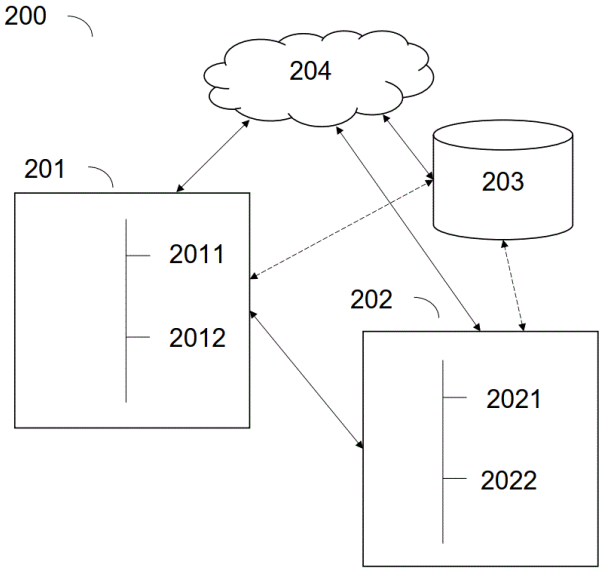


Fig 7

21: 2024/07492. 22: 2024/10/01. 43: 2025/04/07
51: C22C; C23C
71: ERASMUS, Rhynhardt
72: ERASMUS, Rhynhardt
33: ZA 31: 2022/03639 32: 2022-03-30
33: ZA 31: 2022/08428 32: 2022-07-28
54: COMPOSITIONS CONTAINING CHROMIUM
00: -
The invention relates to compositions containing chromium. In particular, the composition includes a chromium component, and an adhesive component admixed with the chromium component to form the composition. Furthermore, the invention extends to methods (10), (20) of using the composition for covering a surface on an object, and making an object.



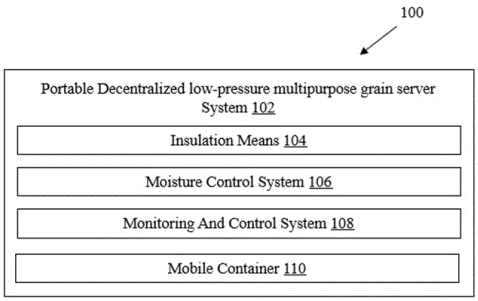
21: 2024/07522. 22: 2024/10/03. 43: 2025/04/07
51: G06F
71: KRAVCHENKO Artem Aleksandrovich
72: KRAVCHENKO Artem Aleksandrovich
33: RU 31: 2024127897 32: 2024-09-21
54: METHOD FOR GENERATING A REQUEST TO A DATABASE
00: -
The proposed technical solution relates to methods of automated text processing and can be used in the generating of text corpuses. Method for generating a request to a database is proposed. The technical problem solved by the claimed invention is the creation of a method and/or a computer device and/or a system and/or a machine-readable data carrier that do not have the disadvantages of analogs and thus ensure accurate automated generation of a text corpus, which can subsequently be used for pre-training, or training, or additional training of classification models and/or clustering models.



21: 2024/07526. 22: 2024/10/03. 43: 2025/04/07
51: B03D; C07C
71: OXIQUIM S.A.
72: HERRERA, Marcos Antonio Morales
33: CL 31: 202200850 32: 2022-04-04
54: STABLE IONIC XANTHAT COMPOSITIONS IN AQUEOUS SOLUTION
00: -
The present invention relates to stable ionic xanthate compositions in aqueous solution for prolonged periods of time that are useful as collector reagents in the froth flotation process. The stable ionic xanthates of the present invention are dissolved in aqueous solution at their maximum water solubility (28-30%), being highly stable and safe ionic products, preventing the instability and flammability of the solid products which allows safe handling, both for operators in mining work and for the environment.

21: 2024/07577. 22: 2024/10/07. 43: 2025/04/10
51: F26B
71: MANIPAL UNIVERSITY JAIPUR
72: Ritik Kumar, Dhirajprasad Mahato, Dr. Nikhil Vivek Shrivas, Dr. Santosh Kumar Rai
33: IN 31: 202411043139 32: 2024-06-04
54: PORTABLE DECENTRALIZED LOW-PRESSURE MULTIPURPOSE GRAIN SAVER SYSTEM
00: -
The present disclosure is a portable decentralized low-pressure multipurpose grain saver system (102) comprising insulation means (104) for thermal

control, comprising XPS foam and thermal pallet, moisture control system (106) including a pre-heating unit, peristaltic vacuum pump, and solenoid valve, monitoring and control system (108) comprising sensors, microcontroller, and software program and mobile container (110) adaptable to various sizes for grain storage; wherein said system (102) creates an optimal storage environment by controlling temperature, humidity, and pressure to minimize grain spoilage.

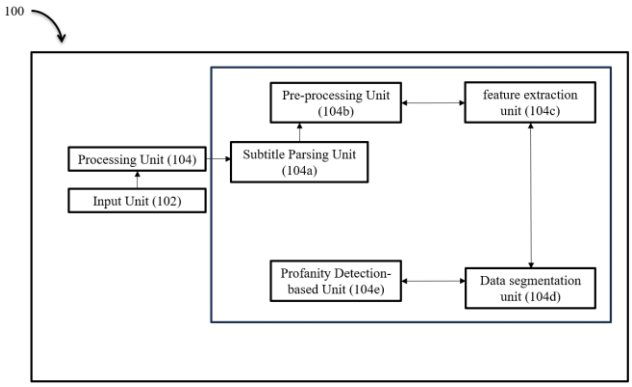


21: 2024/07581. 22: 2024/10/07. 43: 2025/04/10
51: G06K
71: Finolex Academy of Management and Technology, Dr. Vinayak Ashok Bharadi, Atharva B. Malji, Geetanjali Nilesh Sawant, Atharva Chandrashekahr Mestri, Amogh Hemant Anerao, Yash Nagesh Narvekar
72: Dr. Vinayak Ashok Bharadi, Atharva B. Malji, Geetanjali Nilesh Sawant, Atharva Chandrashekahr Mestri, Amogh Hemant Anerao, Yash Nagesh Narvekar

54: A SYSTEM FOR EXTRACTING EMOTIONAL AND PROFANITY FEATURES FROM MOVIE SUBTITLES

00: -

A system (100) for extracting emotional and profanity features from movie subtitles comprises: an input unit (102) for taking movie subtitles input; a processing unit (104) for processing the movie subtitles to extract a plurality of features, a subtitle parsing unit (104a) for parsing subtitle files; a pre-processing unit (104b) for removing HTML tags from the parsed subtitle, converting case of the parsed subtitle, and removing inconsistencies from the subtitle text, wherein the pre-processed subtitle lines are combined to form a subtitle group; a feature extraction unit (104c) employs a transformer for detecting emotions from the formed subtitle group as a feature to form a dataframe; a data segmentation unit (104d) for dividing the dataframe into bins, calculated and normalized to get an emotion heatmap; and a profanity detection-based classification unit (104e) for detecting profanity levels from the bins and analyzing the profanity flow of the movie.

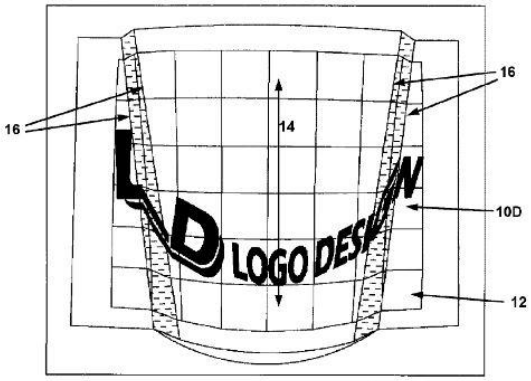


21: 2024/07585. 22: 2024/10/07. 43: 2025/04/10
51: B41J; G06K; G06T
71: BROWN, Michael John Walter
72: BROWN, Michael John Walter
33: ZA 31: 2022/03847 32: 2022-04-05

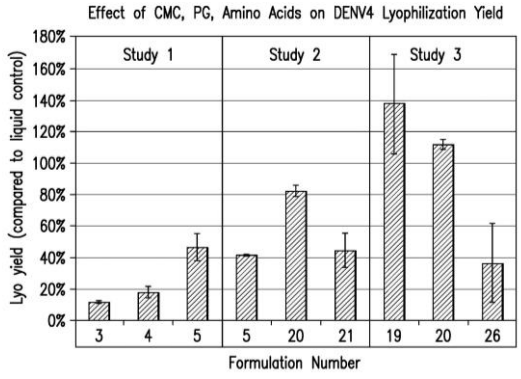
54: METHOD OF DEPICTING AN IMAGE ON A VEHICLE

00: -

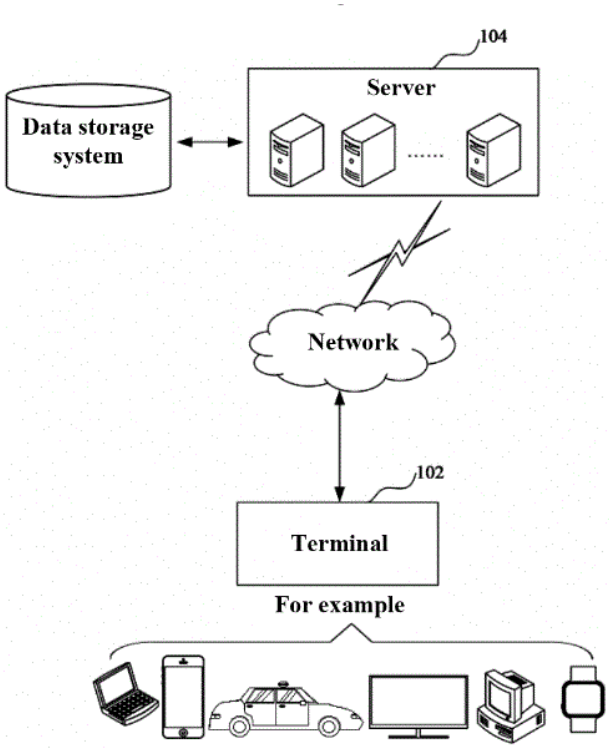
A source image (10A) in the form of an undistorted planar, two-dimensional image with dimensions that are in desired proportions relative to one another, is manipulated by distorting it along at least one axis (14) and is then provided in a format suitable to be applied to a substrate such as an exterior surface (12) of a vehicle. The axes (14) along which the source image (10A) is distorted is selected to compensate for an angular orientation of the substrate (12) relative to a vantage point, so that when the applied image is viewed from the vantage point, the angular orientation of the applied image causes the viewed image (10E), to accord with the source image (10A).



21: 2024/07615. 22: 2024/10/08. 43: 2025/02/12
51: A61K
71: Merck Sharp & Dohme LLC
72: RYAN, Michael S., MARTIN, Sherrie-Ann P., JONES, Morrisa, STANBRO, Justin, BHAMBHANI, Akhilesh, BLUE, Jeffrey Thomas, PIXLEY, Heidi Joanne, GREEN-TREXLER, Erin J., ISOPI, Lynne Ann
33: US 31: 62/595,842 32: 2017-12-07
54: FORMULATIONS OF DENGUE VIRUS VACCINE COMPOSITIONS
00: -
The present invention relates to formulations of dengue virus vaccine comprising at least one live attenuated dengue virus or live attenuated chimeric flavivirus, a buffer, a sugar, a cellulose derivative, a glycol or sugar alcohol, optionally an alkali or alkaline salt and an amino acid; and formulations of dengue virus vaccine comprising at least one live attenuated dengue virus or live attenuated chimeric flavivirus, a buffer, a sugar of at least 150 mg/ml, a carrier, and optionally an alkali or alkaline salt and an amino acid.



21: 2024/07642. 22: 2024/10/09. 43: 2025/04/14
51: A01B
71: Ministry of Water Resources Pastoral Water Conservancy Science Institute, Ordos Afforestation Zongchang, Ordos Hydrology Water Resource Branch
72: LIU, Xinyu, YANG, Zhenqi, TANG, Pengcheng, GUO, Jianying, WANG, Ruidong, LV, Guanglin, TAO, Li, HAN, Shengli, SHEN, Hongxia, YANG, Rui, ZHENG, Ying, YAO, Zhenyu, ZHANG, Tiegang, ZHAO, Tianqi, LIU, Yanping, LIU, Jing, ZHOU, Xu
54: ASSESSMENT, OPTIMIZATION AND IMPROVEMENT METHOD AND APPARATUS FOR CARBON SEQUESTRATION CAPACITY OF SOIL AND WATER CONSERVATION PROJECT IN WINDY-SANDY AREA, AND DEVICE
00: -
Disclosed are an assessment, optimization and improvement method and apparatus for carbon sequestration capacity of a soil and water conservation project in a windy-sandy area, and a device. The method includes: acquiring yellow sand information, fractional vegetation cover, soil information, meteorological information and water resource information of a target sandy area; determining a prevention and control space type of the target sandy area; calculating a soil wind erosion amount of the target sandy area; determining water resource carrying capacity of the target sandy area; determining desertification prevention and control measures; determining a zone width of the desertification prevention and control measures according to the water resource carrying capacity of the target sandy area; and arranging the desertification prevention and control measures in the target sandy area according to the desertification prevention and control measures and the zone width, so as to regulate ecological functions of the target sandy area.

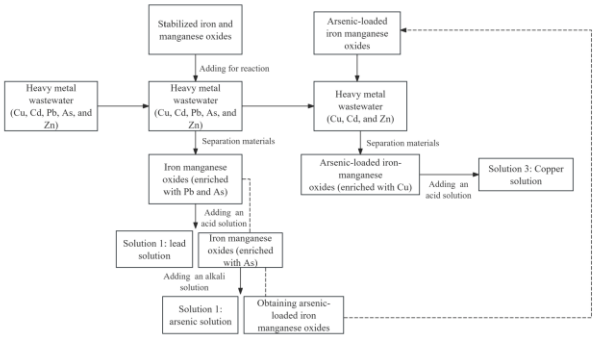


21: 2024/07650. 22: 2024/10/09. 43: 2025/04/14
51: C02F
71: SOUTH CHINA UNIVERSITY OF TECHNOLOGY
72: YIN, Hua, CAI, Yuhao, LUO, Haoyu, LOU, Kejia, LU, Guining

54: METHOD FOR TREATING HEAVY METAL WASTEWATER BY UTILIZING IRON AND MANGANESE OXIDES

00: -

A method for treating heavy metal wastewater by utilizing iron and manganese oxides is disclosed, including the following steps:1) preparing iron manganese oxide with stability under acidic conditions; 2) converting heavy metal wastewater containing copper, cadmium, lead, arsenic, and zinc into wastewater enriched with copper-cadmium-zinc and iron and manganese oxides enriched with lead-arsenic; 3) converting the iron and manganese oxides enriched with lead-arsenic into a lead-containing solution and iron and manganese oxides enriched with arsenic; 4) converting the iron and manganese oxides enriched with arsenic into a arsenic-containing solution and arsenic-loaded iron and manganese oxides; 5) converting the wastewater enriched with copper-cadmium-zinc into wastewater enriched with cadmium-zinc and iron and manganese oxides enriched with copper; and 6) preparing a copper-containing solution by desorption of copper from the iron and manganese oxides enriched with copper. The present invention can enrich and recover copper, lead and arsenic in heavy metal wastewater, respectively, and realize the recovery and utilization of heavy metal resources while treating heavy metal-contaminated wastewater.



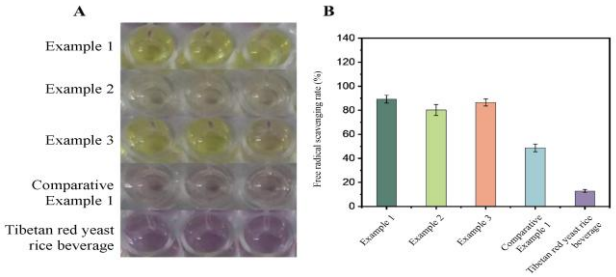
21: 2024/07651. 22: 2024/10/09. 43: 2025/04/14
51: A61K; B25J
71: THE THIRD PEOPLE'S HOSPITAL OF CHENGDU
72: HOU, Jun, YUE, Tian, YANG, Jiali
33: CN 31: 2024111439552 32: 2024-08-20

54: TURMERIC TIBETAN RED YEAST RICE BEVERAGE, PREPARATION METHOD THEREFOR AND USE THEREOF

00: -

The present invention provides a turmeric Tibetan red yeast rice beverage, a preparation method therefor and use thereof, and belongs to the technical field of turmeric beverages. The preparation method for the turmeric Tibetan red yeast rice beverage provided by the present invention comprises the following steps: (1) mixing an activated Tibetan Monascus purpureus Went seed liquid with a highland barley matrix, and performing a fermentation to give a fermentation product; (2) adding turmeric powder to the fermentation product, and performing a secondary fermentation; (3) performing a microfiltration on the fermentation broth after the secondary fermentation, and aging the liquid after the microfiltration to give the turmeric Tibetan red yeast rice beverage. The turmeric Tibetan red yeast rice beverage prepared in the present invention has a relatively strong oxidation resistance ability, the clearance rate for

DPPH free radicals can reach 89%, the concentration of antioxidant substances (SOD and GSH-Px) in serum of hyperlipidemic mice can be significantly recovered, the level of fatty acid in coronary artery blood vessels can be reduced, and meanwhile the expression of anti-inflammatory factors in the coronary artery blood vessels can be increased, which indicates that the beverage has certain abilities of lowering blood lipids and preventing atherosclerosis.

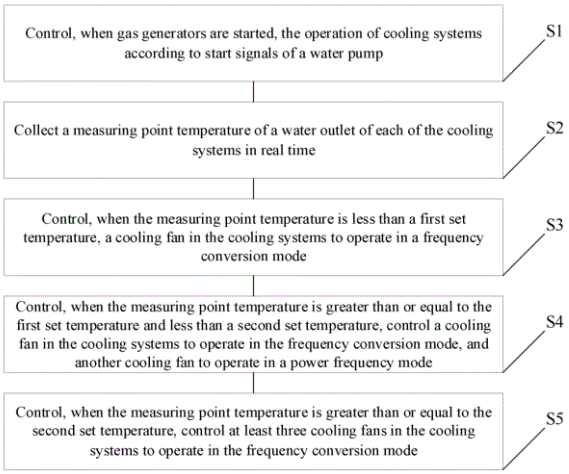


21: 2024/07679. 22: 2024/10/10. 43: 2025/04/14
51: F02B
71: Shanxi Kaijia Coalbed Methane Power Generation Co., Ltd.
72: ZHANG, Zhifei, WU, Dongqi, ZHANG, Minghao, TAN, Yongjie, HAN, Yangyang, GUO, Qiang, GUO, Haibing, YAN, Ke

54: EFFECTIVE OPERATION CONTROL METHOD FOR FANS OF GAS GENERATOR SET

00: -

The present application discloses an effective operation control method for fans of a gas generator set. The method includes: controlling, when gas generators are started, the operation of cooling systems; collecting a measuring point temperature of a water outlet of each of the cooling systems in real time; controlling when the measuring point temperature is less than first set temperature, a cooling fan to operate in a frequency conversion mode; controlling, when the measuring point temperature is greater than or equal to the first set temperature and less than a second set temperature, a cooling fan to operate in the frequency conversion mode, and another cooling fan to operate in a power frequency mode; and controlling, when the measuring point temperature is greater than or equal to the second set temperature, at least three cooling fans in the frequency conversion mode.

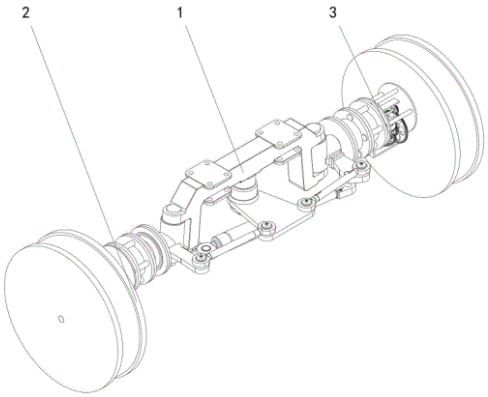


21: 2024/07680. 22: 2024/10/10. 43: 2025/04/14
51: F16D
71: Jining Normal University, Anhui Huachi Energy Technology Co., Ltd.
72: GUO, Xiaoxia, JING, Lili, DONG, Yongsheng, NIE, Yang, WANG, Zhiqiang, SU, Sen
33: CN 31: 202410785147.X 32: 2024-06-18

54: ENERGY STORAGE FLYWHEEL ARRAY SAFETY BRAKE DEVICE

00: -

An object of the present invention is to provide an energy storage flywheel array safety brake device, which can realize the steering drive control of wheel sets on two sides, and assist the energy storage flywheel to perform kinetic energy recovery during braking by sharing the torque during braking of the wheel sets.

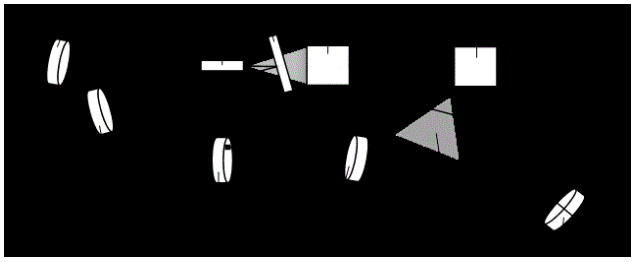


21: 2024/07681. 22: 2024/10/10. 43: 2025/04/14
51: H01S
71: SOUTHWEST UNIVERSITY
72: LI Xu, GAO Ziye, WU Zhengmao, XIA Guangqiong, DENG Tao, LIN Xiaodong

54: WAVELENGTH-TUNABLE Q-SWITCHED LASER

00: -

A wavelength-tunable Q-switched laser, including a pump focusing system composed of the laser diode and the fiber focusing lens, and a resonant cavity composed of the pump mirror, the first concave mirror, the second concave mirror, the third concave mirror, the SESAM and the coupled output mirror, the Yb:YCOB laser crystal and the prism are provided in the resonant cavity. The present invention realizes the output of wavelength-tunable Q-switched laser basing on the Yb:YCOB laser crystal, the tuning range reaches dozens of nanometers. The laser of the present invention has a compact structure, low cost, and tunable wavelength, has potential application value in laser communication, dense wavelength division multiplexing technology, etc.



21: 2024/07683. 22: 2024/10/10. 43: 2025/04/14

51: A63B

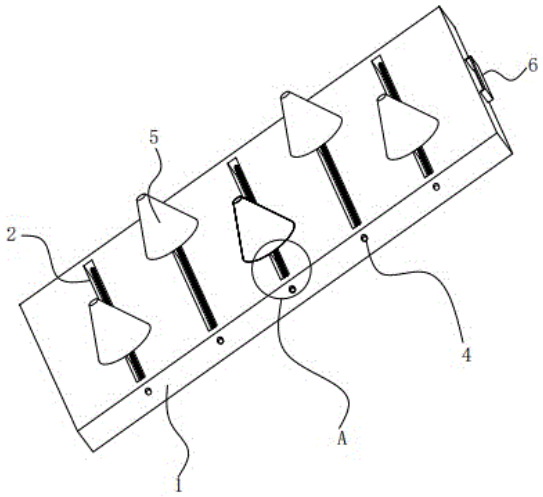
71: Shandong University of Finance and Economics

72: Xiaoping YUAN

54: MOVABLE OBSTACLE DEVICE FOR BASKETBALL DRIBBLING TRAINING

00: -

Provided in the present disclosure is a movable obstacle device for basketball dribbling training, including: a mounting plate; a hidden groove formed in a surface of the mounting plate, where a threaded rod is rotatably mounted inside the hidden groove, and one end of the threaded rod is fixedly connected to an adjustment block; and an obstacle pile body disposed on an outer surface of the threaded rod in a thread engagement manner and including a conical barrel and a moving block, where the moving block is disposed on the outer surface of the threaded rod in a thread engagement manner, and the conical barrel is fixedly mounted on a surface of the moving block. According to the movable obstacle device for basketball dribbling training provided by the present disclosure, the hidden groove is formed inside the mounting plate, so that the threaded rod is hidden inside the hidden groove; a user controls the adjustment block to drive the threaded rod to adjust the obstacle pile body to move for adjusting the position of an obstacle, thus keeping the surface of the mounting plate flat; and this device has a simple structure, strong practicality, and convenience in adjusting a dislocation spacing between a plurality of obstacle pile bodies, is not prone to affecting the running and dribbling of athletes, and improves the safety during training.



21: 2024/07684. 22: 2024/10/10. 43: 2025/04/14

51: B62H

71: Shandong University of Finance and Economics

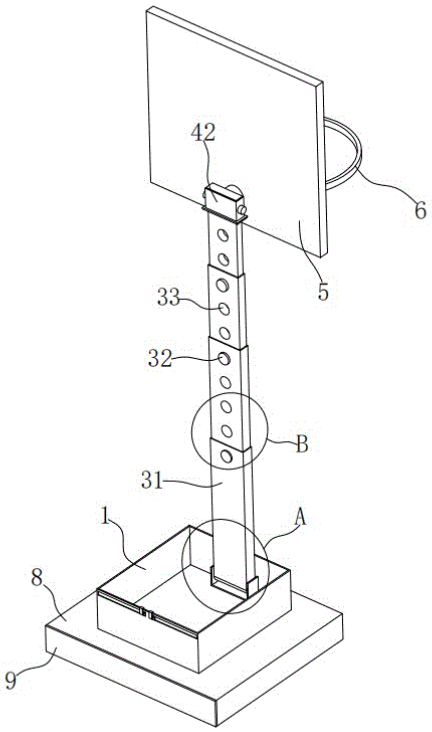
72: Xiaoping YUAN

54: BASKETBALL STAND CONVENIENT TO STORE

00: -

Provided in the present disclosure is a basketball stand convenient to store, including a box body, where one side of a bottom of an inner wall of the box body is mounted with a rotating seat, one side of the rotating seat is connected to a telescopic assembly, the telescopic assembly includes a telescopic rod, a temporal part of the telescopic rod is provided with fixing bolts, a disassembly assembly is disposed at a top end of the telescopic rod and includes a fixed seat, a surface of the fixed seat is sleeved with a disassembly sleeve, the fixed plate is disposed on one side of the disassembly sleeve, and one side of the fixed plate is connected to a fixed

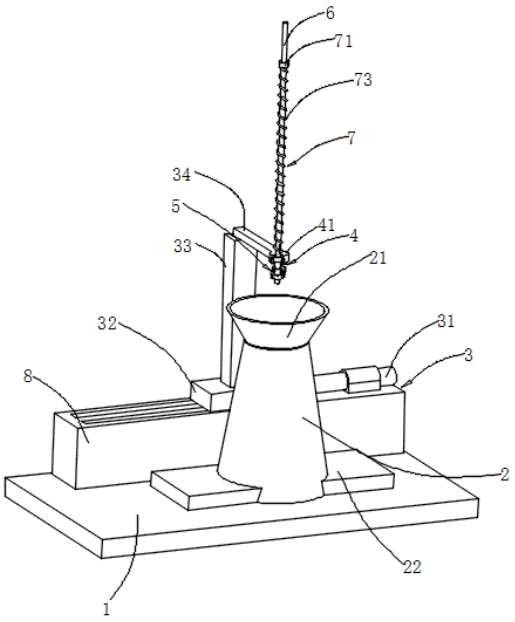
ring. According to the basketball stand convenient to store provided by the present disclosure, the rotating seat, the telescopic rod that drives the fixing bolts, and the fixed seat with the disassembly sleeve are disposed inside the box body for coordinated operation, so that when a large-scale activity is held on a basketball court, the whole basketball stand can be stored by means of disassembly, extension or retraction, and folding, making it convenient to carry after disassembly or folding for storage, and reducing impact on activity holding.



21: 2024/07688. 22: 2024/10/10. 43: 2025/04/14
51: G01N
71: Changzhou Institute of Technology
72: Zhou Junwen, Lu Lianghui, Li Jianfen, Ge Pei, Ma Xingliang, Li Shujin, Song Yang

54: CIVIL ENGINEERING STRUCTURAL HEALTH MONITORING DEVICE

00: -
The present invention provides a civil engineering structural health monitoring device, falling within the technical field of concrete slump detection, including a base plate. A slump cone is placed on a top of the base plate, a displacement assembly is arranged on the top of the base plate, a rotation assembly is arranged on the displacement assembly. When in use, a vibrating rod can be driven to rotate around an axis of the slump cone and move along a radial direction of the slump cone by the arranging the rotation assembly and a radial movement assembly, and then a rotation limiting unit and a radial movement limiting unit are respectively used to limit a rotation angle range and a radial movement range of the vibrating rod, so that an insertion position and trajectory of the vibrating rod into the concrete in the slump cone can be reliably limited, thereby making the vibration position and trajectory conform to a slump detection operation specification, thus effectively improving accuracy and reliability of slump detection.

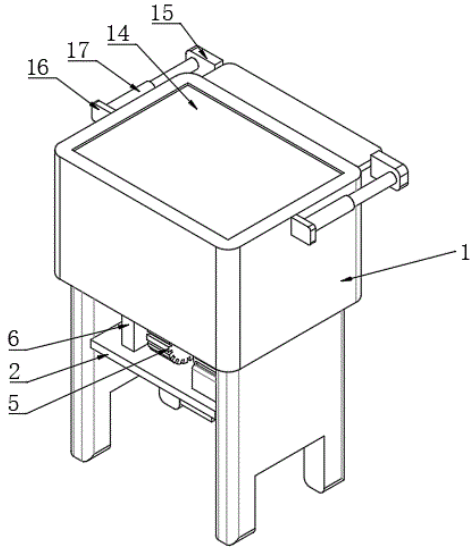


21: 2024/07689. 22: 2024/10/10. 43: 2025/04/14
51: G06F
71: Jiaxing Vocational & Technical College
72: KONG Xiangjin

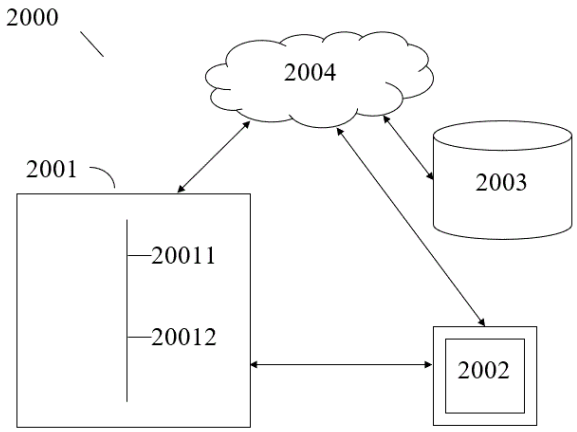
54: IMPROVED ARTIFICIAL INTELLIGENCE INTERACTIVE DEVICE

00: -
The invention provides an improved artificial intelligence interactive device, which relates to the technical field of intelligent interactive devices, and includes a placing cabinet, where a transverse plate is fixedly installed on one side of the outer wall of the placing cabinet; a forward and reverse motor are fixedly installed on the top of the transverse plate; and a driving rod is fixedly installed on one side of

the outer wall of the forward and reverse motor. In the invention, when the artificial intelligence interactive device needs to be used, the driving motor is started to drive the driving motor and the gear to rotate, so as to drive the tooth row to move upwards, and under the action of two limiting grooves and two limiting blocks, the tooth row drives the supporting plate and the interactive device body to move upwards stably, so that the artificial intelligence interactive device can be used; when the artificial intelligence interactive device does not need to be used, the supporting plate and the interactive device body are driven to move downwards through the tooth row, and is placed in the placing cabinet, so that when not in use, it will not be placed in the outside, nor will it be collided by foreign objects, or dust will fall on it, thus prolonging the service life of the artificial intelligence interactive device.



21: 2024/07690. 22: 2024/10/10. 43: 2025/04/14
51: G06F; G06Q
71: ROGACHEV Igor Petrovich
72: ROGACHEV Igor Petrovich
33: RU 31: 2024118088 32: 2024-06-29
54: DEVICE FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT
00: -
The group of inventions relates to solutions in the field of processing data arrays, in particular, to solutions in the field of processing digitized documents containing information objects such as text and/or images, and can be used to transform a digitized document for efficient indexing of its elements and accurate search. The technical problem solved by the claimed invention is the creation of inventions that do not have the disadvantages of the closest analogue and thus have increased efficiency in processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them. Another technical problem solved by the claimed invention is the expansion of the arsenal of technical means - methods for converting structured data arrays containing information objects of digitized documents. The technical result achieved by implementing the claimed invention, in addition to realizing its purpose, is the elimination of the disadvantages of the closest analogue and thus an increase in the efficiency of processing digitized documents for subsequent indexing of its elements, their processing and conducting searches using them.



21: 2024/07749. 22: 2024/10/14. 43: 2025/04/16
51: A61F
71: Guangxi University of Chinese Medicine
72: Hongliang TANG, Xiongjiang WANG, Dongming LU, Yingye LIANG, Tian XIA, Chenglong WANG, Zhangsong NONG, Kailong WANG, Wei GAN, Peng YANG
54: BLACK PLASTER FOR TREATING PROLAPSE OF LUMBAR INTERVERTEBRAL DISC AND PREPARATION METHOD THEREOF
00: -
The present invention provides a black plaster for treating prolapse of lumbar intervertebral disc

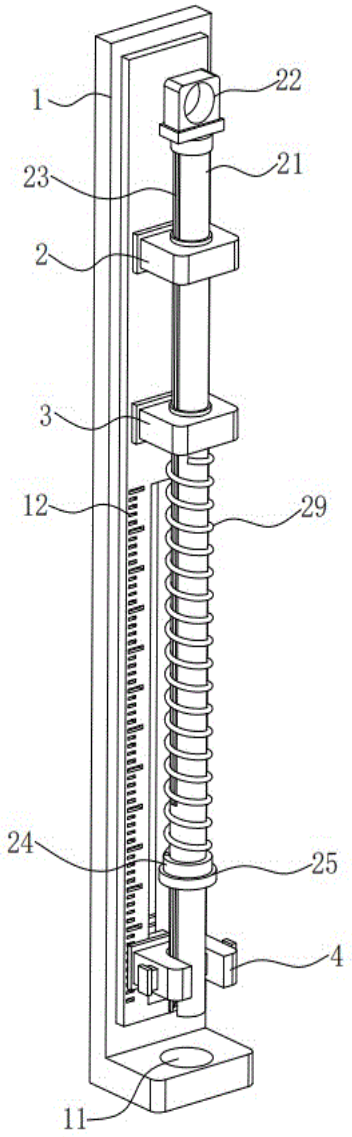
includes a group A of combined medicine, a group B of combined medicine and a group C of combined medicine. The present invention provides a black plaster for treating prolapse of lumbar intervertebral disc, which has good therapeutic effect through the preparation with formulation of multiple medical materials. After application of the plaster, through subcutaneous penetration, the medicine directly reaches the lesions, and has the effects of eliminating inflammation, relieving pain, subduing swelling, promoting blood circulation and dispelling blood circulation, eliminating cold, inducing menstruation, expelling pathogenic wind and damp, relaxing muscles and tendons to promote blood circulation, dispelling cold by warming the meridian, dispelling wind, removing pain, and regulating QI and blood. It is an external plaster for treating cervical spondylosis, scapulohumeral periarthritis, prolapse of lumbar intervertebral disc, apoplexy sequela, skelalgia, and traumatic injury, with rapid effect, obvious therapeutic effect, no toxic side effects and easy to use, which is suitable for relieving and treating cervical spondylosis, scapulohumeral periarthritis, prolapse of lumbar intervertebral disc, skelalgia, traumatic injury, lumbago and skelalgia, rheumatic arthritis, apoplexy sequela, hyperosteogeny, and lumbar muscle strain.

21: 2024/07750. 22: 2024/10/14. 43: 2025/04/16
51: A61H
71: Guangxi University of Chinese Medicine
72: Xiongjiang WANG, Dongming LU, Hongliang TANG, Yingye LIANG, Peng YANG, Kailong WANG, Wei GAN, Zhangsong NONG

54: ACUPUNCTURE NEEDLE INSERTION DEVICE FOR MASSAGE AND ACUPUNCTURE WITH POSITIONING AND GUIDING FUNCTIONS

00: -

The invention provides an acupuncture needle insertion device for massage and acupuncture with positioning and guiding functions, including: a support plate. A bottom of the support plate is provided with a positioning hole. According to the acupuncture needle insertion device for massage and acupuncture with positioning and guiding functions provided by the invention, an acupuncture needle is mounted to an inner side surface of a clamping rod, the positioning hole provided at the bottom of the support plate is aligned with an acupoint on a patient's body, a pull ring is pulled to compress a spring such that a bottom of the acupuncture needle is moved to a top of the positioning hole, and then the pull ring is released such that the spring pushes a push rod, so that the acupuncture needle is accurately inserted into the acupoint of the patient, which avoids deviation of a needle application position, improves a treatment effect and reduces unnecessary pain and injury.

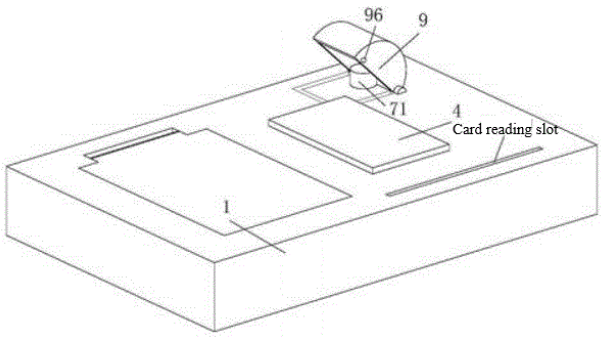


21: 2024/07757. 22: 2024/10/14. 43: 2025/04/16
51: G01R
71: Zhejiang Wellsun Intelligent Technology Co.,Ltd.
72: He Riyang, Wang Yonghong, Liu Yanmei, Cao Bingxian, Yao Xiaodong

54: AUTOMATIC DETECTION ELECTRICITY METER BASED ON INTERNET OF THINGS

00: -

The present invention relates to the technical field of power supply, and in particular to an automatic detection electricity meter based on Internet of Things (IoT), including: a housing; a carrier communication module, a relay, a display device, an anti-disassembly device, a PCB (printed circuit board) circuit board, and an electricity continuation device. The carrier communication module is located inside the housing and movably connected to the housing; the relay is fixedly connected to an interior of the housing; the display device is fixedly connected to a surface of the housing; the anti-disassembly device is located at an opening of the housing and slidably connected to the interior of the housing; the PCB circuit board is fixedly connected to the interior of the housing for transmitting signals generated by each device; and the electricity continuation device is movably connected to the interior of the housing for reconnecting the disconnected relay. In the present invention, by using the electricity continuation device, users can turn on a switch of the relay through the electricity continuation device, and resulting in the users being able to immediately use electricity, thereby improving the user's electricity experience and ensuring the user's electricity demand, and improving the quality of service provided to users for electricity use.



21: 2024/07787. 22: 2024/10/15. 43: 2025/04/17
51: A61K
71: Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences, Jiuyuan District Animal Husbandry and Fishery Service Center of Baotou City
72: DAI, Lingli, WANG, Na, BAI, Fan, ZHANG, Yuemei, ZHANG, Fan, SONG, Yue, LIU, Wei, DALAI, Baolige, YANG, Bin, ZHAO, Shihua, GUO, Fucun, FU, Lingfang

54: BACTERIAL SOLUTION PREPARATION FOR PREPARING OVINE MYCOPLASMA PNEUMONIA VACCINE AND TRIVALENT INACTIVATED VACCINE AGAINST OVINE MYCOPLASMA PNEUMONIA

00: -

The present invention provides a bacterial solution preparation for preparing an ovine Mycoplasma pneumonia vaccine and a trivalent inactivated vaccine against ovine Mycoplasma pneumonia, falling within the technical field of veterinary biological products. The bacterial solution preparation includes a bacterial solution of Mycoplasma ovipneumoniae strain MO_NM01, a bacterial solution of Mycoplasma ovipneumoniae strain MO_NM02, and a bacterial solution of Mycoplasma ovipneumoniae strain MO_NM03, which exist independently. The bacterial solutions in the preparation are obtained by inoculating the Mycoplasma ovipneumoniae strain MO_NM01, the Mycoplasma ovipneumoniae strain MO_NM02, and the Mycoplasma ovipneumoniae strain MO_NM03 in mycoplasma liquid mediums for culturing. The trivalent inactivated vaccine prepared by the bacterial solution preparation has a good protection effect on different virulent strains and effectively improves the immune protection rate of the vaccine.

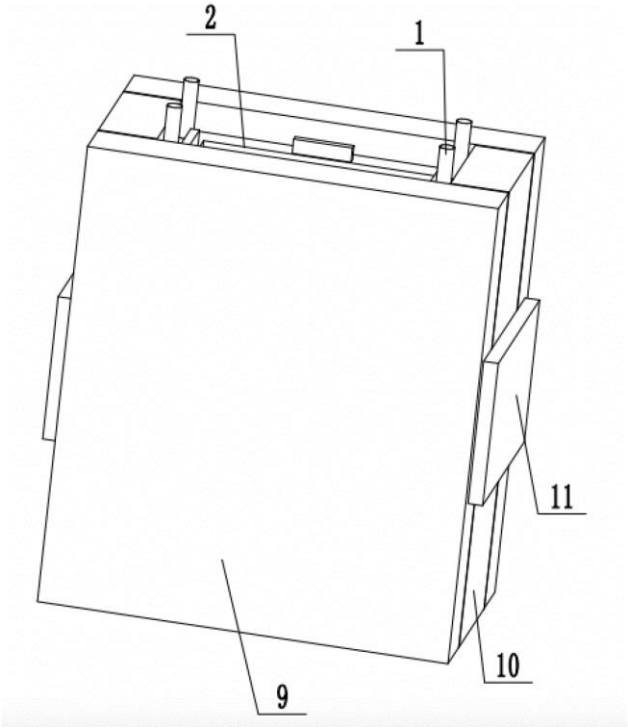
21: 2024/07788. 22: 2024/10/15. 43: 2025/04/17
51: B65D
71: Daqing Gengmei Plastic Co., Ltd
72: YANG, Zuofeng, WANG, Mingjun

54: CORE TRAY KIT

00: -

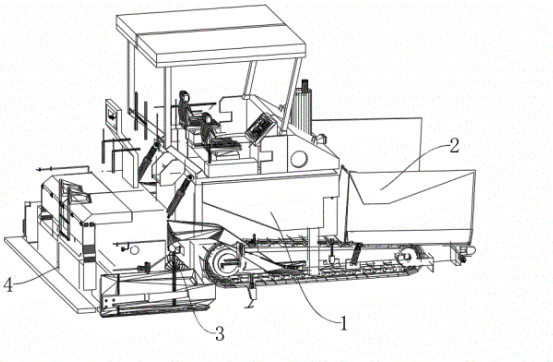
Disclosed is a core tray kit. The core tray kit includes a protective sleeve, four connecting shafts and a plurality of core trays, where the core trays include two short side plates and two long side plates. Thickness of the short side plates is greater than that of the long side plates, outer side surfaces of the long side plates are provided with a plurality of transverse reinforcing ribs and a plurality of longitudinal reinforcing ribs, and the transverse reinforcing ribs and the longitudinal reinforcing ribs are arranged in a staggered manner. Four corners of top surfaces of the core trays are provided with connecting through holes, and the four connecting shafts pass through the connecting through holes at

the four corners of the top surfaces of the core trays to connect the core trays into a whole. The protective sleeve is sleeved outside the stacked core trays.



21: 2024/07789. 22: 2024/10/15. 43: 2025/04/17
51: A01F; A23K
71: NINGXIA YITAI ANIMAL HUSBANDRY CO., LTD.
72: LIU, Yisha, HE, Bincheng, LIU, Yitai, LIU, Hongcai, ZHANG, Yuchen
54: BAGGED SILAGE ADDED WITH TRACE ELEMENTS
00: -
The present invention provides a preparation method for bagged silage added with trace elements, the method includes the following steps: 1) mechanically rolling short on silage corn; 2) uniformly mixing crushed silage corn with other raw materials in percentages of raw materials by weight: 80% - 95% silage corn, 4.5% - 19.9% bran, and 0.1% - 0.5% trace element premixed feed, wherein each kg of the trace element premixed feed includes 5 g - 8 g ferrous sulfate, 4 g - 6 g zinc sulfate, 1 g - 3 g copper sulfate, 3 g - 5 g manganese sulfate, 0.1 g - 0.2 g sodium selenite, 0.1 g - 0.2 g potassium iodide, 0.2 g - 0.5 g cobalt chloride, 10 g - 50 g magnesium oxide, 10 g - 50 g sodium sulfate and 877.1 g - 966.6 g stone powder; and 3) bundling and putting into silage bags.

21: 2024/07795. 22: 2024/10/15. 43: 2025/04/17
51: G01B
71: RAILWAY GROUP 5 MECHANIZATION OF ENGINEERING LIMITED LIABILITY COMPANY, RAILWAY NO.5 ENGINEERING GROUP CO., LTD
72: Lv Maofeng, Chen Yongan, Zhang Hua, Wu Yanbin, Zhang Shun, Chen Shun, Deng Shaoqi, Zhang Min, Jin Duo, Zhao Peng, Sun Qianming, Liu Shaohui, Wang Yi, Chen Mingnan, Fu Yongxin
33: CN 31: 202411186105.0 32: 2024-08-27
54: CONSTRUCTION DEVICE AND METHOD BASED ON 3D SCANNING FOR EXPRESSWAY PAVEMENT
00: -
The present invention relates to the technical field of paving, and discloses a construction device and method based on 3D scanning for an expressway pavement. The construction device based on 3D scanning for an expressway pavement includes a vehicle body, a hopper, a spiral distributor and a screeding mechanism, where the screeding mechanism includes a main screed assembly and two adjustable side plate assemblies. The adjustable side plate assemblies include fixed side plate assemblies, movable side plate assemblies hinged at lower ends of the fixed side plate assemblies, angle adjustment assemblies connected between the fixed side plate assemblies and the movable side plate assemblies, and side plate extension mechanisms connected to the movable side plate assemblies.



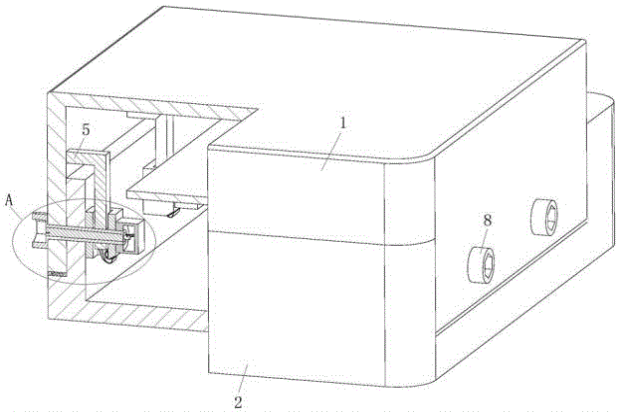
21: 2024/07799. 22: 2024/10/15. 43: 2025/04/17
51: G01R
71: Zhejiang Wellsun Intelligent Technology Co., Ltd.

72: Chen Yan, Gao Pinghang, Li Junchao, Sun Jiaojiao, Yu Di

54: SELF-MONITORING WIRELESS INTERNET OF THINGS ELECTRIC ENERGY METER

00: -

The present invention belongs to the technical field of electric energy meters, and in particular to a self-monitoring wireless Internet of Things electric energy meter. The present invention includes an upper housing, a lower housing and anti-theft components. The anti-theft components are used to strengthen an anti-theft performance of the electric energy meter, and the anti-theft components are arranged at a connection between the upper housing and the lower housing. Each of the anti-theft components includes: a slot, the slot being disposed on an outer side surface of the lower housing in a vertical direction, and the slot being symmetrically arranged on the lower housing; a sleeve, the sleeve being arranged on an inner side surface of the lower housing in the vertical direction; a connecting bar, the connecting bar being arranged on the upper housing, and the connecting bar being corresponding to the sleeve; and a hook piece, the hook piece being arranged at a lower end of the connecting bar. The present invention has a simple structure and can solve a problem that existing smart meters have no function of preventing disassembly, and criminals modify internal structures of the electric meters by disassembling the smart meters to achieve a purpose of stealing electricity.

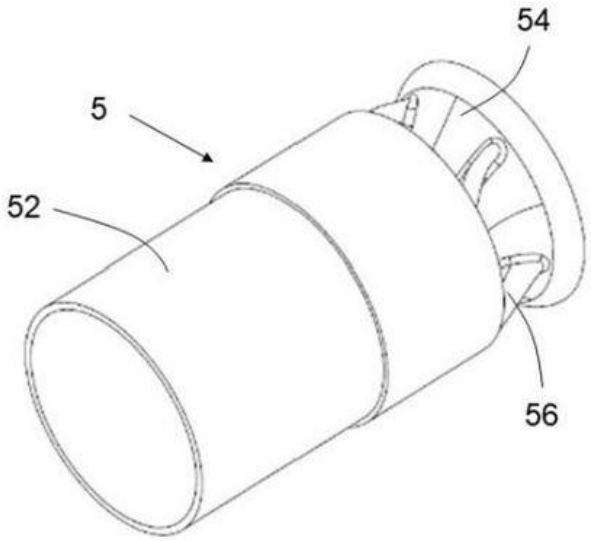


21: 2024/07840. 22: 2024/10/16. 43: 2025/02/11
51: A61M
71: ROCKETHEART TECHNOLOGY CO., LTD
72: HAN, Zhifu, WANG, Xian, ZHANG, Xuman, MA, Hongbi, DING, Mingqian, WANG, Chao, SONG, Guogang
33: CN 31: 202222175608.0 32: 2022-08-18
33: CN 31: 202210992732.8 32: 2022-08-18

54: INTERVENTIONAL BLOOD PUMP WITH OUTLET FLOW GUIDE STRUCTURE

00: -

Provided is an interventional blood pump, comprising a pump body and a driving unit (6). The pump body comprises an impeller (4), a blood flow catheter (3), a blood flow inlet structure (2), and a blood flow outlet structure (5) which are in driving connection to the driving unit (6), wherein the blood flow outlet structure (5) comprises an outlet housing (52), an outlet base (54), and a guide vane structure (56) arranged on the outlet base (54) and connected to the outlet housing (52). At least a part of the impeller (4) is accommodated in the outlet housing (52). The guide vane structure (56) is configured to be capable of converting the rotational motion of the blood flowing out of the impeller (4) into a primarily axial motion. The blood flow outlet structure (5) with the guide vane structure (56) can effectively promote the regularity of a blood flow field and reduce the destructive effect on red blood cells by means of controlling the flow direction of blood pumped out by the impeller (4).

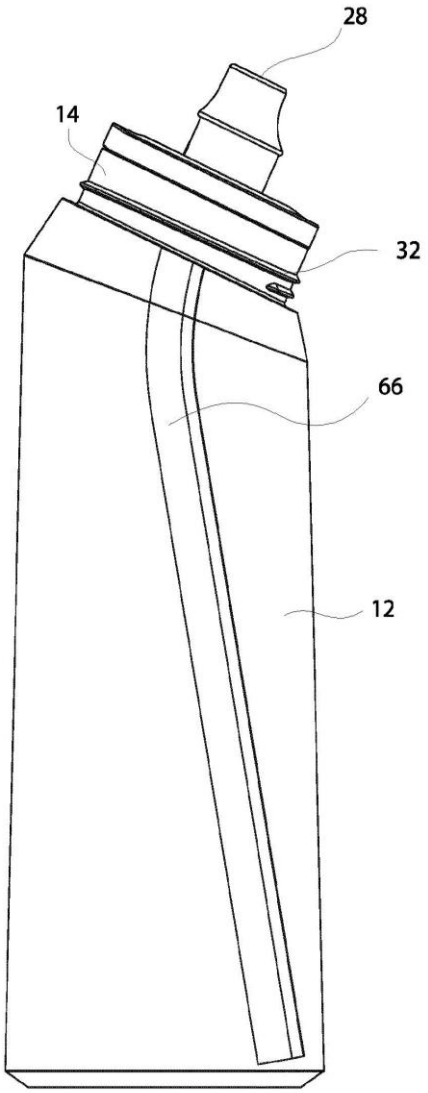


21: 2024/08804. 22: 2024/11/20. 43: 2025/02/12
51: A47G; B65D
71: air up group GmbH
72: JÄGER, Tim, JÜNGST, Magdalena, KOPPITZ, Jannis, SCHLANG, Fabian
33: DE 31: 10 2018 222 299.1 32: 2018-12-19

54: DRINKING DEVICE

00: -

A drinking device for the retronasal perception of an aroma substance comprises a storage vessel (12) for drinking liquid, a head part (14), which can be fastened on the storage vessel and has a mouth end (28), at least one interchangeable aroma vessel (20), through which air can flow and which can be fastened on the head part, and a drinking straw, which is fixed in the head part, said drinking straw comprising: a transport channel (18) for drinking liquid, said transport channel running from the storage vessel (12) towards the mouth end (28) of the drinking device (10); and also an air channel (78) for transporting aromatized air, said air channel running from at least one of the at least one aroma vessels (20) towards the mouth end (28).



21: 2024/09151. 22: 2024/11/29. 43: 2025/02/12
51: F27D
71: Systems Spray-Cooled, Inc.
72: FERGUSON, Scott A., WARD, Troy D., WILSON, Logan A.
33: US 31: 16/154,345 32: 2018-10-08
54: DYNAMIC COOLING OF A METALLURGICAL FURNACE
00: -
One embodiment is a cooling system for regulating temperature of a surface of a metallurgical furnace. The cooling system includes a plurality of spray conduits. Each spray conduit has one or more control valves and has a plurality of nozzles. A plurality of temperature sensors are disposed proximate the surface of the metallurgical furnace. A control system adjusts the control valves of the plurality of spray conduits in response to temperature information derived from the plurality of temperature sensors.

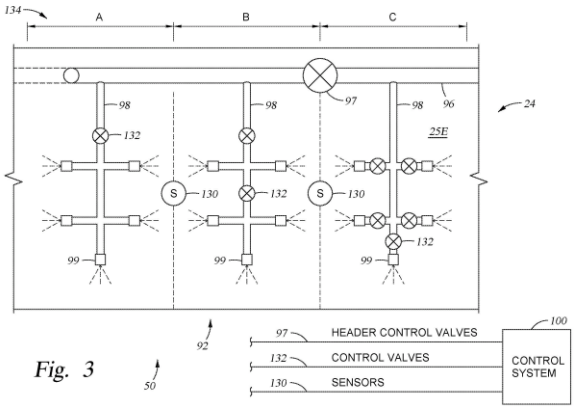


Fig. 3 50

21: 2024/09391. 22: 2024/12/09. 43: 2025/02/12
51: C07D
71: Acerta Pharma B.V.
72: BETHEL, Paul Allen, CHAN, Lai Chun, COOPER, Katie Grace, COX, Robert John, GOLDEN, Michael David, HUGHES, Shaun Alan, JACKSON, Lucinda Victoria, MILLARD, Kirsty Jane, PHILLIPS, Andrew John, TELFORD, Alexander James, EVARTS, Jerry, LAWLER, Michael Joseph, LITJENS, Remy E. J. N., VAN EIJK, Peter Johannes Servaas Savio, VERSTAPPEN, Mathilda Maria Henrica, VOS, Frank L. M., ZIJP, Eric Jurriën, JUNYING, Qiu, WANG, Angang, GARREY, Rustam Ferdinand, SHORT, David Allen
33: US 31: 62/724,228 32: 2018-08-29
54: PROCESSES FOR THE PREPARATION OF 4-{8-AMINO-3-[(2S)-1-(BUT-2-YNOYL)-

PYRROLIDIN-2-YL]IMIDAZO[1,5-A]-PYRAZIN-1-YL}N-(PYRIDIN-2-YL)-BENZAMIDE

00: -

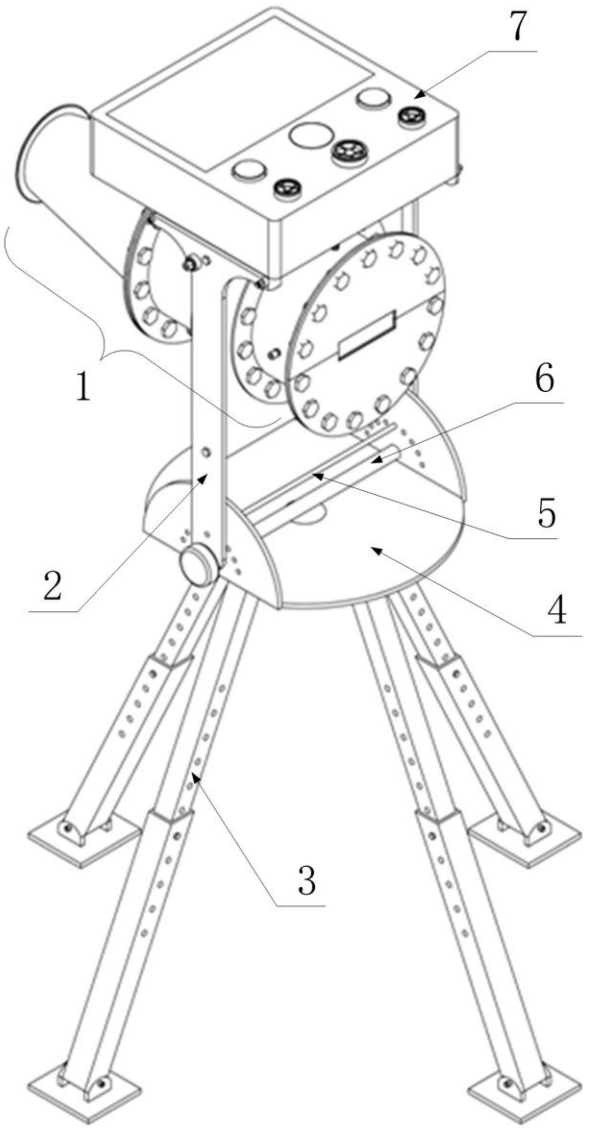
The present disclosure relates, in general, to improved processes for the preparation of 4-{8-amino-3-[(2S)-1-(but-2-ynoyl)pyrrolidin-2-yl]imidazo[1,5-a]pyrazin-1-yl}-N-(pyridin-2-yl)-benzamide, particularly large-scale processes for manufacturing 4-{8-amino-3-[(2S)-1-(but-2-ynoyl)pyrrolidin-2-yl]imidazo[1,5-a]pyrazin-1-yl}-N-(pyridin-2-yl)benzamide and intermediates used in such processes.

21: 2024/09466. 22: 2024/12/09. 43: 2025/03/03
51: F16L
71: SUN YAT-SEN UNIVERSITY
72: MA, Baosong, HE, Chunliang, HUANG, Sheng
33: CN 31: 202310907526.7 32: 2023-07-24

54: INVERSION MACHINE FOR LINED HOSES AND METHOD FOR USING THE SAME

00: -

An inversion machine for lined hoses and a method for using the same are provided. The inversion machine for lined hoses includes a launch cylinder, a first support, a second support, and a locking component. The launch cylinder includes a cylinder body and a cylinder head. The cylinder body has a hose inlet at the end far away from the cylinder head. The cylinder head is conical and has a hose outlet at the end far away from the cylinder body. The hose outlet is located at a small end of the cylinder head, and a flange-like stopper plate is provided at the hose outlet and cooperates with a fastening component to secure the overturned edge of the hose. A large end of the cylinder head is detachably connected to the cylinder body. The first support is fixedly connected to the cylinder body, and the second support is rotatably connected to the first support. The bottom of the second support is provided with at least three retractable support legs. The locking component is used to fix the first support to the second support when the first support is rotated into the target position relative to the second support. The inversion machine for lined hoses provided by the present application has high adaptability and mobility for different site conditions and easily achieves a higher hose inversion speed during construction.



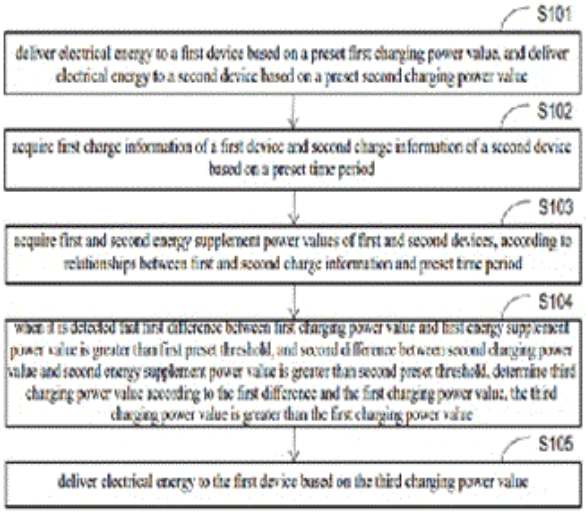
21: 2025/00541. 22: 2025/01/16. 43: 2025/02/03
51: H02J
71: SHENZHEN GTL TECHNOLOGY CO., LTD.
72: YAN, BO, YAN, PING
33: CN 31: 202410476822.0 32: 2024-04-19

54: DATA ANALYSIS METHOD AND APPARATUS FOR WIRELESS CHARGER, CHARGER AND STORAGE MEDIUM

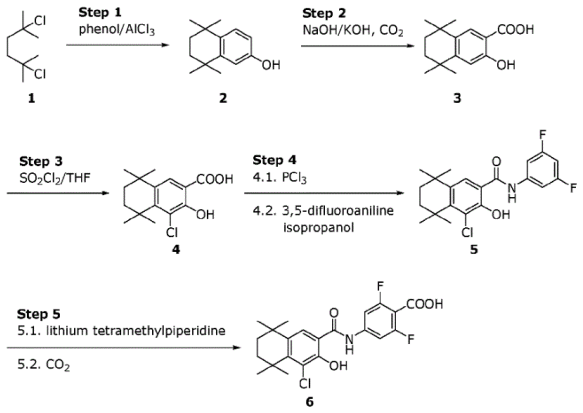
00: -

The present application relates to a technical field of wireless charging and provides a data analysis method and apparatus for a wireless charger, a charger and a storage medium, applied to a wireless charger, the method includes; delivering electrical energy to the first device based on a first charging power value, and delivering electrical energy to the second device based on a second charging power

value; acquiring first charge information of the first device and second charge information of the second device; acquiring a first energy supplement power valueand a second energy supplement power value, according to relationships between the first and second charge information and the preset time period; when it is detected that a first difference between the first charging power value and the first energy supplement power value is greater than a first preset threshold, and a second difference between the second charging power value and the second energy supplement power value is greater than a second preset threshold, determining a third charging power value according to the first difference and the first charging power value; and delivering electrical energy to the first device based on the third charging power value.

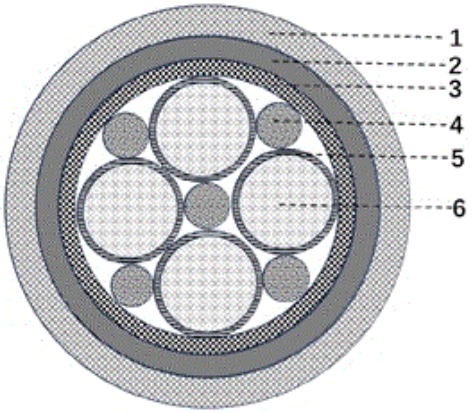


21: 2025/00657. 22: 2025/01/20. 43: 2025/04/16
51: A61K
71: IO THERAPEUTICS, INC.
72: VULIGONDA, Vidyasagar
33: US 31: 63/355,880 32: 2022-06-27
54: SYNTHESIS OF TETRAHYDRONAPHTHALENOLS AND USES THEREOF
00: -
Provided herein are selective tetrahydronaphthalenol retinoid acid receptor alpha (RARalpha) agonist compounds, synthetic methods useful for preparing such compounds, starting from commercially available 5,5,8,8-tetramethyl-5,6,7,8-tetrahydronaphthalen-2-ol and proceeding through novel tetrahydronaphthalenol derivatives, and uses of such compounds for treating RARalpha-mediated diseases encompassing cancer and autoimmune diseases such as arthritis, multiple sclerosis and inflammatory bowel disease.



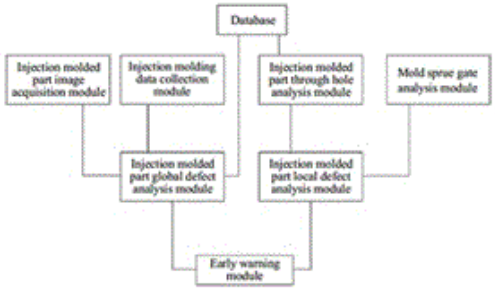
21: 2025/00727. 22: 2025/01/22. 43: 2025/02/11
51: H01B
71: ZHEJIANG GUANGDA PUTE COMMUNICATION TECHNOLOGY CO., LTD.
72: HAN, XUEGUANG, LU, ZHU, ZHOU, YUN, XUE, SHIPENG, TANG, JUN
33: CN 31: 202410130569.3 32: 2024-01-31
54: BENDING-RESISTANT ALUMINUM ALLOY CONTROL SIGNAL CABLE
00: -
The present invention relates to the technical field of cables, and provides a bending-resistant aluminum alloy control signal cable which includes an outer protecting sleeve, an outer shielding layer, a tape layer, outer bending-resistant assemblies, a plurality of aluminum alloy cable cores and inner bending-resistant multilayer films from outside to inside. The outer protecting sleeve is composed of a wear-resistant layer, a corrosion-resistant layer and an insulating layer successively from outside to inside; the outer bending-resistant assemblies are formed by compounding carbon fiber/epoxy resin; the outer bending-resistant assemblies are cylindrical; the outer bending-resistant assemblies are evenly distributed between the aluminum alloy cable cores; the aluminum alloy cable cores are coated by the inner bending-resistant multilayer films; the inner bending-resistant multilayer films are formed by periodically and alternately combining monolayer polyethylene and monolayer polyimide; a cycle alternating number n is: 2 = n = 7; and an outermost layer of the inner bending-resistant multilayer films is

the monolayer polyimide, and an innermost layer is the monolayer polyethylene.



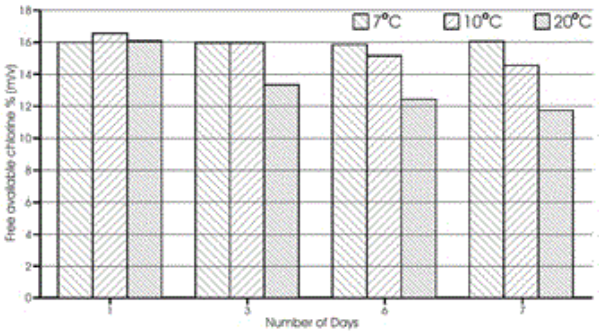
21: 2025/00782. 22: 2025/01/23. 43: 2025/02/11
51: G01N; G06V
71: ZHEJIANG YUANSHENG PLASTIC INDUSTRY CO., LTD.
72: WANG, QING, CAO, YOUFU
33: CN 31: 202410630365.6 32: 2024-05-21
54: AUTOMOTIVE PLASTIC INJECTION MOLDED PART DEFECT DETECTION SYSTEM BASED ON MACHINE VISION TECHNOLOGY
00: -

The present invention belongs to the field of automotive plastic injection molded part defect detection, and particularly relates to an automotive plastic injection molded part defect detection system based on machine vision technology. In the present invention, a global defect degree of each plastic injection molded part to be detected is obtained by analyzing a crack defect degree of each plastic injection molded part to be detected, an internal bubble defect degree of each plastic injection molded part to be detected, a surface color defect degree of each plastic injection molded part to be detected and a deformation degree of each plastic injection molded part to be detected, and a local defect degree of each plastic injection molded part to be detected is obtained by analyzing conformity of each through hole of each plastic injection molded part to be detected and cutting qualification of each plastic injection molded part to be detected. In the present invention, defects of automotive plastic injection molded parts are detected by the machine vision technology, the global defect degree of each plastic injection molded part to be detected is analyzed simultaneously, not only surface defects of the automotive plastic injection molded parts are analyzed, but also internal bubble defects of the automotive plastic injection molded parts are analyzed simultaneously, thereby ensuring the reliability of product quality, and improving the customer satisfaction.



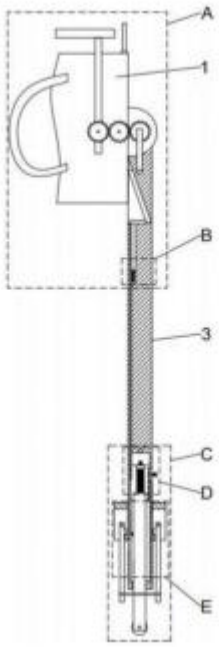
21: 2025/00926. 22: 2025/01/28. 43: 2025/03/20
51: C01B
71: NUVEST RECOVERY SOLUTIONS (PTY) LTD
72: TUNNICLIFFE, IAN
33: ZA 31: 2024/02946 32: 2024-04-17
54: STORAGE AND TRANSPORT OF SODIUM HYPOCHLORITE
00: -

This invention relates to a method for reducing the decomposition of sodium hypochlorite solution during storage or transport in a container. The solution is cooled to a temperature below 10°C, and has a free available concentration of 13% to 20% m/v. The method of the invention reduces the degradation rate of the sodium hypochlorite solution from 17% to 16% instead of from 17% to 12%.



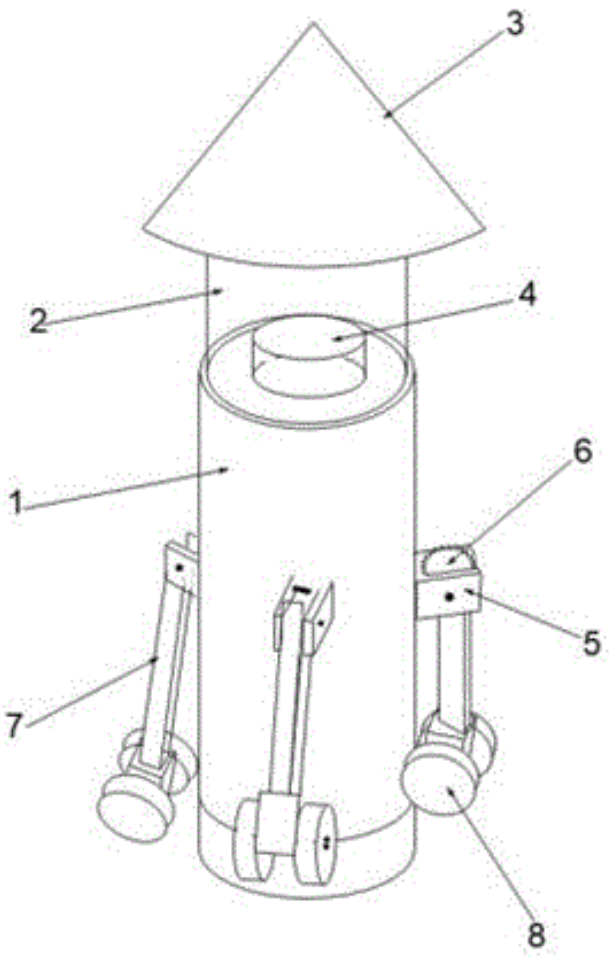
21: 2025/01305. 22: 2025/02/12. 43: 2025/03/03
51: F16M
71: Xizang Chengfengyuan Technology Co., Ltd.
72: Zhang Jie, Luo Changhai

33: CN 31: 2024104698143 32: 2024-04-18
54: RADIO SPECTRUM MONITORING DEVICE FOR PLATEAUS BASED ON DATA ENCRYPTION
00: -
The present invention provides a radio spectrum monitoring device for plateaus based on data encryption, including a monitoring device body and a support column. The support column is rotatably connected to the monitoring device body, a spectrum acquisition module, a processing module, an encryption module, and a storage module which are electrically connected in sequence are arranged at the monitoring device body, the monitoring device body is fixedly connected to two straps, a solar power generation mechanism is arranged at the monitoring device body, a retractable support mechanism is arranged at the support column, and the support column is connected to a rotating wheel. The present invention adopts a backpack-style design, enabling users to move conveniently while carrying the monitoring device body on their backs. This effectively reduces the sense of burden of the monitoring device body and makes it easy to carry.



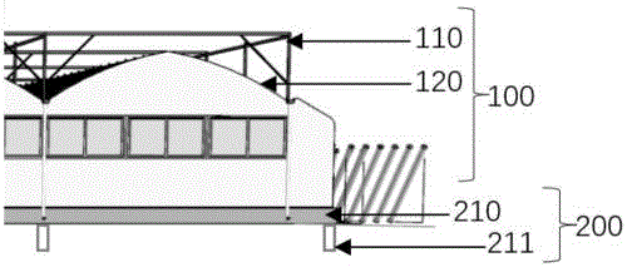
21: 2025/02368. 22: 2025/03/18. 43: 2025/03/20
51: E21B
71: Hebei University of Engineering, CHINA
UNIVERSITY MINING AND TECHNOLOGY-BEIJING

72: ZHANG, Zhenquan, YANG, Jiaran, CHEN, Dongdong, HAN, Zhe, ZHANG, Jiaming
33: CN 31: 202410926345.3 32: 2024-07-11
54: BOREHOLE IMAGER SUITABLE FOR MULTI-APERTURE AND GAIN IMAGING EFFECT
00: -
The present invention discloses a borehole imager suitable for multi-aperture and gain imaging effect, and relates to the technical field of geological exploration equipment, comprising a main frame, a panoramic camera mounted on the top of the main frame, a high-definition glass protective cover covered on the panoramic camera, and a conical nut arranged at the top of the high-definition glass protective cover; a roller system is arranged on the outer peripheral side of the main frame; and a remote control system is arranged inside the main frame. The borehole imager involved in this patent application is suitable for multiple apertures, remote control, and enhanced imaging effects. Through innovative design and component optimization, it has achieved many beneficial effects. Its core advantage lies in its strong adaptability to multiple apertures. Through the replaceable conical nut design, it can adapt to the drilling needs of different apertures. The roller designed to maintain the center makes the peek imaging clearer and more accurate, thereby significantly broadening the scope of application.



21: 2025/02381. 22: 2025/03/18. 43: 2025/03/20
51: A01G
71: SICHUAN AGRICULTURAL UNIVERSITY
72: LU Wei, LI Yinfu, PENG Wenjun, ZHENG Yangxia, WANG Sen, GE Sang, JIANG Chengyao, LI Mengyao, GUO Kexin, LIU Yue, SU Yifei
33: CN 31: 2023110120210 32: 2023-08-11
54: DESERT GREENHOUSE FRAMEWORK SYSTEM AND CONTROL METHOD THEREFOR
00: -

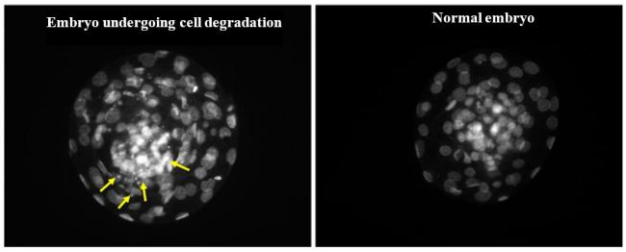
The present invention relates to a desert greenhouse framework system and a control method therefor. The desert greenhouse framework system comprises: a greenhouse framework comprising an overground framework and an underground framework which are detachably assembled; a plurality of freezers operably attached to the underground framework, configured in a plurality of groups in annular arrays, and at least partially placed in a sand layer; and a controller communicatively coupled to the freezers and configured to, on the basis of the temperature of the sand layer and the distribution positions of the freezers, dynamically adjust freezing parameters of the freezers, so as to change the morphology of the sand layer corresponding to each freezer. By dynamically regulating the cooling efficiency of the freezers according to the temperature change of the sand layer outside the greenhouse, the present invention ensures the stability of the solid-state sand layer serving as a greenhouse foundation part and, according to the distribution positions of the freezers, differentially controls the cooling efficiency therefor, thus saving electric power resources in deserts while reinforcing sand layer structures.



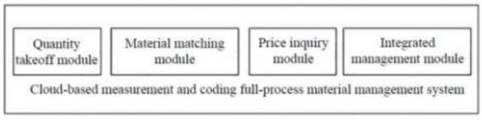
21: 2025/02409. 22: 2025/03/19. 43: 2025/03/20
51: C12N
71: SHANDONG OX LIVESTOCK BREEDING CO., LTD., INSTITUTE OF ANIMAL SCIENCE AND VETERINARY MEDICINE, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES
72: XIAO, Yao, ZHANG, Yan, MA, Qingtao, WANG, Yujie, WANG, Xiuge, JU, Zhihua, WANG, Jinpeng, ZHANG, Yaran, JIANG, Qiang, GAO, Yaping, YANG, Chunhong, WEI, Xiaochao, WANG, Lingling, GAO, Yundong, HUANG, Jinming
33: CN 31: 2024103510654 32: 2024-03-26
54: CULTURE MEDIUM AND METHOD FOR REDUCING APOPTOTIC CELLS IN BOVINE IN VITRO FERTILIZED EMBRYOS
00: -

The present invention belongs to the field of livestock embryo engineering, and relates to a culture medium and method for reducing apoptotic cells in bovine in vitro fertilized embryos. In the present invention, a small molecule compound NiCur is added to the culture medium, and the bovine in vitro fertilized embryos are cultured by using the culture medium added with the NiCur. Experiments show that culturing with the culture medium can reduce the number of the apoptotic cells in the bovine in vitro fertilized embryos, and increase the number of inner cell mass cells and the efficiency of

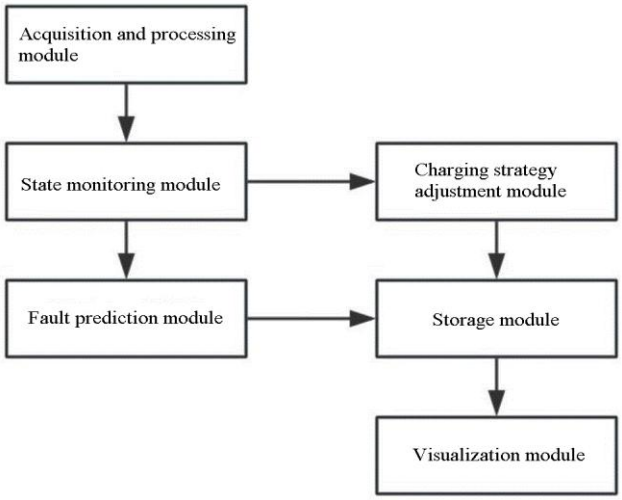
blastocyst development, thereby effectively improving the production efficiency and embryo quality of the bovine in vitro fertilized embryos.



21: 2025/02540. 22: 2025/03/25. 43: 2025/04/07
51: G06F
71: China Electronics System Engineering No. 3 Construction Co., Ltd.
72: HUO, Jinpeng, NING, Jian, YANG, Dengwei, ZHANG, Qiang
33: CN 31: 202411533234.2 32: 2024-10-31
54: CLOUD-BASED MEASUREMENT AND CODING FULL-PROCESS MATERIAL MANAGEMENT SYSTEM AND METHOD
00: -
Disclosed are a cloud-based measurement and coding full-process material management system and method, belonging to the technical field of material management. The system includes a quantity takeoff module, a material matching module, a price inquiry module, and an integrated management module. Compared with a manual quantity takeoff process and the manual conversion of a takeoff sheet into a price inquiry list, the technical solution enables the automatic execution of quantity takeoff and price inquiry and significantly reduces labor costs. Furthermore, by utilizing codes for online material management, efficient and full-process management of materials can be achieved.

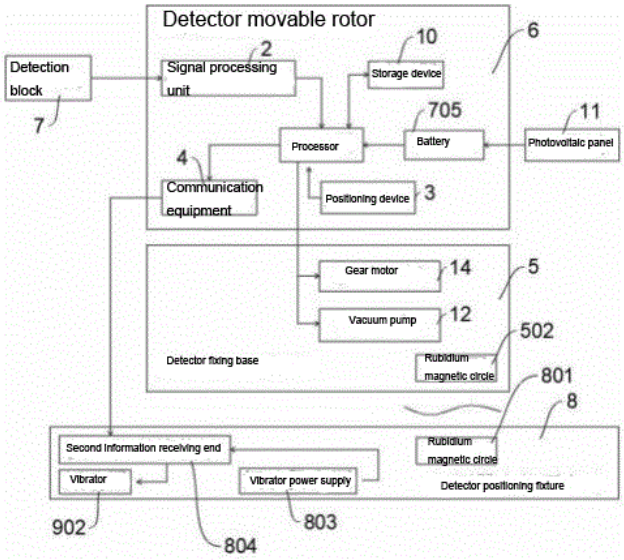


21: 2025/02604. 22: 2025/03/26. 43: 2025/04/07
51: F04B
71: Hubei Jiangnan Special Automobile Co., Ltd
72: GAN, Zilin
33: CN 31: 202410668653.0 32: 2024-05-28
54: BATTERY MANAGEMENT SYSTEM OF FIRE ENGINE
00: -
The present invention discloses a fire truck battery management system, which relates to the field of battery management technology, and comprises a collection and processing module, which collects data of battery cells and performs preprocessing; a state monitoring module, which monitors battery operation in real time, and judges the battery state by real-time comparison according to a safety threshold; a fault prediction module, which uses a logistic regression model to predict faults; a charging strategy adjustment module, which dynamically adjusts charging parameters according to the battery state; a storage module, which stores the used battery data; and a visualization module, which visualizes the battery state and early warning information. The present invention collects data of battery cells, monitors battery operation in real time, judges the battery state by real-time comparison according to a safety threshold, uses a logistic regression model to predict faults, and dynamically adjusts charging parameters according to the battery state, thereby improving the ability of preventive maintenance, optimizing the battery charging efficiency, and extending the battery life.



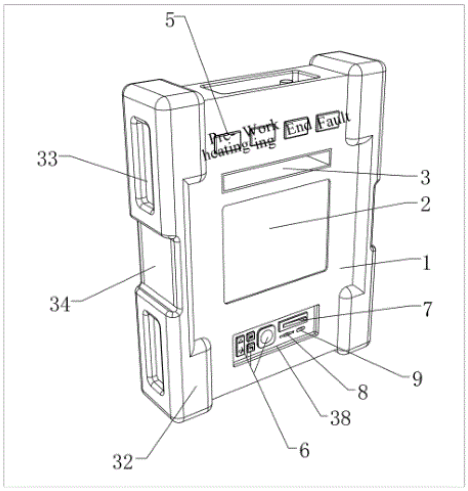
21: 2025/02605. 22: 2025/03/26. 43: 2025/04/07
51: G06F
71: Hubei Jiangnan Special Automobile Co., Ltd
72: GAN, Zilin
33: CN 31: 202410510143.0 32: 2024-04-26
54: PERSONNEL DETECTION SYSTEM FOR FIRE TRUCKS
00: -
The present application relates to the field of fire detection technology, specifically a fire truck

personnel detection system, including a detector fixed on a helmet, the detector is provided with a signal processing unit, a positioning device and a communication device, the detector includes a detector fixed base and a detector movable head, a processor is provided inside the detector movable head, the signal processing unit, the positioning device and the communication device are all connected to the processor in a communication connection; detection blocks are rotatably provided on both sides of the detector movable head. The detector movable head of the present application is rotatably provided on the detector fixed base, and scans the surroundings of the firefighters in all directions, collects the surrounding environmental information, and transmits it to the fire truck together with the location information of the firefighters through the communication equipment, so as to judge the dangerous environment that may exist around the trapped persons and the firefighters themselves, help them quickly find the trapped persons and avoid the firefighters from being in danger, and ensure the safety of the firefighters.



21: 2025/02701. 22: 2025/03/28. 43: 2025/04/07
51: G01M
71: ZHONGJIAN GROUP GONGXIN SECURITY TECHNOLOGY CO., LTD
72: YU, Yue
33: CN 31: 202311027029.4 32: 2023-08-16
54: MEASUREMENT APPARATUS FOR BRAKING DISTANCE OF MINE FALL ARRESTER, AND MEASUREMENT METHOD THEREFOR

00: -
A measurement apparatus for the braking distance of a mine fall arrester, the measurement apparatus comprising a housing (1), wherein a display screen (2) is provided on the housing (1); an optical observation window (3), indicator lights (5), functional operation buttons (6), a mode switch (7), a memory card slot (8), and a data transmission interface (9) are provided on the front face of the housing (1); a cubic neodymium magnet (10) is provided on the back face of the housing (1); an optical glass column (11), a laser ranging module (13), a measurement LED fill light module (14), an imaging module (15), and an outwardly-flared metal shielding cover (16) are provided at the lower portion of the housing (1); and a central control module (17), a GPS module (18), an active ceramic GPS antenna (19), a wireless receiver module (20), a wireless transmitter module (21), a 315MHz control module (22), a 433MHz communication output module (23), a nine-axis accelerometer and gyroscope module (24), a power supply module, and a loudspeaker module (26) are provided in the housing (1). Further provided is a measurement method for the braking distance of a mine fall arrester.

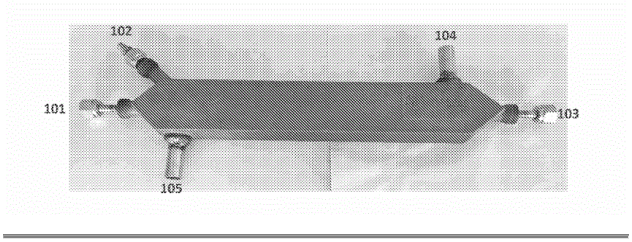


21: 2025/02837. 22: 2025/04/02. 43: 2025/04/07
51: B01F
71: SRAVATHI ADVANCE PROCESS TECHNOLOGIES PRIVATE LIMITED
72: SOURI, Sreeramagiri Venkata Shanmukha, SOHEL, Chungikar Abbas, SIVAKUMAR, Sreeramagiri, SAMIR, Anapat
33: IN 31: 202241051515 32: 2022-09-09

54: APPARATUS WITH SQUEEZING MEANS FOR PASSIVE MIXING OF MULTI-PHASE FLOW

00: -

The invention discloses an apparatus with squeezing means for passive mixing of multi-phase flow or hydrodynamic performance that is housing a conduit/tube, which is a channel extending internally from the fluid inlet to the outlet ports, comprising stacked plurality of static-mixers with modified geometry to possess undulations or step-like geometry, which are responsible for alternate Squeezing and relaxation of flow through the conduit, which results in enhanced mixing of the multi-phasic flow. The conduit comprises of a plurality of stacked static-mixers which are axially or asymmetrically arranged across the length of the conduit, that can allow the fluid to pass through them continuously experiencing squeezing effect resulting in improved mixing, mass-transfer, and heat transfer.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

3. DESIGNS

DESIGNS

APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

- APPLIED ON 2025/03/24 -

A2025/00333 - JONKER, Liezel Class 01. PIE

A2025/00335 - HONDA MOTOR CO., LTD. Class 15. POWER UNIT FOR AN ELECTRIC LAWN MOWER

F2025/00334 - GIDEON HITCHCOCK Class 07. REMOTE-CONTROLLED ROTISSERIE MOTOR

. - APPLIED ON 2025/03/25 -

A2025/00336 - Caterpillar Inc. Class 15. FLANGES

A2025/00343 - Caterpillar Inc. Class 15. FLANGES

A2025/00342 - Caterpillar Inc. Class 15. FLANGES

A2025/00341 - Caterpillar Inc. Class 15. PUMP MOUNTING FLANGES

A2025/00340 - Caterpillar Inc. Class 15. FLANGES

A2025/00337 - Caterpillar Inc. Class 15. FLANGES

A2025/00338 - Caterpillar Inc. Class 15. FLANGES

A2025/00339 - Caterpillar Inc. Class 15. FLANGES

. - APPLIED ON 2025/03/26 -

F2025/00347 - WISNIEWSKI, Pawel Class 24. SEALABLE CONNECTOR

F2025/00348 - APL Cartons (Pty) Ltd Class 09. CONTAINERS

A2025/00345 - CRESLOW INVESTMENTS PTY LTD t/a CRESLOW ENERGY SOLUTIONS Class 12. LOCOMOTIVE

F2025/00346 - CRESLOW INVESTMENTS PTY LTD t/a CRESLOW ENERGY SOLUTIONS Class 12. LOCOMOTIVE

F2025/00344 - CONDOR PEAK, LLC Class 8. CHASSIS FOR A LADDER CLAMP

. - APPLIED ON 2025/03/28 -

A2025/00350 - BATHU SWAG (PTY) LIMITED Class 2. FOOTWEARS

A2025/00349 - BATHU SWAG (PTY) LIMITED Class 2. FOOTWEARS

F2025/00351 - BDC Mining Supplies (Pty) Ltd Class 12. BEARING BOXES

A2025/00352 - BosDyf (Pty) Ltd Class 09. BAKKIEBOOT

. - APPLIED ON 2025/03/31 -

A2025/00355 - APPLE INC. Class 3. CASE

A2025/00353 - APPLE INC. Class 14. BAND

A2025/00354 - APPLE INC. Class 14. EARPHONE

. - APPLIED ON 2025/04/01 -

F2025/00356 - BREATHESAFE PTY LTD Class 23. AIR FILTER ASSEMBLY

. - APPLIED ON 2025/04/03 -

A2025/00366 - STANTON GLOBAL (PTY) LTD Class 13. CABLE ENCLOSURE

F2025/00367 - STANTON GLOBAL (PTY) LTD Class 13. CABLE ENCLOSURE

F2025/00357 - NEMTEK (PTY) LTD Class 13. SWITCH

A2025/00365 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00359 - AFRO COFFEE GMBH Class 07. COFFEE MACHINE

F2025/00369 - STANTON GLOBAL (PTY) LTD Class 13. FIBRE MANAGEMENT TRAY

A2025/00358 - AFRO COFFEE GMBH Class 07. COFFEE MACHINE

A2025/00363 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

F2025/00371 - STANTON GLOBAL (PTY) LTD Class 25. CABLE STORAGE BRACKET

A2025/00372 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00364 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00370 - STANTON GLOBAL (PTY) LTD Class 25. CABLE STORAGE BRACKET

A2025/00368 - STANTON GLOBAL (PTY) LTD Class 13. FIBRE MANAGEMENT TRAY

A2025/00362 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00361 - AFRO COFFEE GMBH Class 07. COFFEE MACHINE

A2025/00360 - AFRO COFFEE GMBH Class 07. COFFEE MACHINE

. - APPLIED ON 2025/04/04 -

A2025/00374 - Sandvik Mining and Construction Oy Class 13. BATTERY CONTAINERS

F2025/00375 - Sandvik Mining and Construction Oy Class 13. BATTERY CONTAINERS

A2025/00376 - RATSHITANGA, Tshililo Thivhaloshi Class 09. BOTTLE

A2025/00373 - MONTRES TUDOR SA Class 10. WATCH CASE

. - APPLIED ON 2025/04/07 -

F2025/00377 - NIENHUIS, Jan, Balster Class 13. EARTH CONNECTING CLEAT FOR A SOLAR PANEL BRACKET

A2025/00417 - Lindile Ndube Class 02. SHOE

. - APPLIED ON 2025/04/08 -

A2025/00384 - Jina Trading (Pty) Ltd Class 02. FOOTWEAR

A2025/00380 - Polyoak Packaging (Pty) Ltd Class 09. BOTTLE

A2025/00382 - Innolife (Pty) Ltd Class 13. CYLINDRICAL ANODE

A2025/00378 - Polyoak Packaging (Pty) Ltd Class 09. BOTTLE

F2025/00379 - Polyoak Packaging (Pty) Ltd Class 09. BOTTLE

F2025/00381 - Polyoak Packaging (Pty) Ltd Class 09. BOTTLE

F2025/00383 - Innolife (Pty) Ltd Class 13. CYLINDRICAL ANODE

. - APPLIED ON 2025/04/09 -

A2025/00386 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00387 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00388 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS WITH USER INTERFACES

F2025/00385 - VAN ZYL, VINCENT VERNON Class 23. WASHBASIN

A2025/00390 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS WITH USER INTERFACES

A2025/00392 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00398 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00396 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00395 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00393 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00389 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS WITH USER INTERFACES

A2025/00391 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00397 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00394 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

. - APPLIED ON 2025/04/10 -

A2025/00400 - OMEGA SA (OMEGA AG) (OMEGA LTD.) Class 10. WATCH

A2025/00399 - BYD COMPANY LIMITED Class 12. AUTOMOBILE

. - APPLIED ON 2025/04/11 -

A2025/00405 - UNIVERSITY OF JOHANNESBURG Class 07. A CLOSURE OPENING TOOL FOR A RECEPTACLE

A2025/00404 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS WITH USER INTERFACES

A2025/00407 - Carlton Pictures International Class 29. HYDROPROOF

A2025/00402 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS WITH USER INTERFACES

F2025/00401 - VAN ZYL, VINCENT VERNON Class 23. WASHBASIN

A2025/00403 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS WITH USER INTERFACES

F2025/00406 - UNIVERSITY OF JOHANNESBURG Class 07. A CLOSURE OPENING TOOL FOR A RECEPTACLE

. - APPLIED ON 2025/04/14 -

A2025/00408 - VUYO EDWARD MAKOKWE Class 07. FLOOR & WALL TILES

A2025/00413 - SMEG S.p.A. Class 31. APPLIANCES FOR PREPARING LIQUIDS

F2025/00410 - HOLFELD, Barry Graeme Class 25. INFLATABLE PRELOAD DEVICE

F2025/00416 - E K CONSTRUCTION AND ALL GENERAL TRADING CC Class 25. FLOORING SYSTEM

A2025/00409 - HOLFELD, Barry Graeme Class 25. INFLATABLE PRELOAD DEVICE

A2025/00411 - Axel BÜTTGEN Class 25. BUILDING BLOCK

A2025/00412 - SMEG S.p.A. Class 7. ELECTRIC GRILLS

F2025/00415 - Axel BÜTTGEN Class 25. BUILDING BLOCK

A2025/00414 - SMEG S.p.A. Class 07. OVENS

. - APPLIED ON 2025/04/15 -

A2025/00421 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00418 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00419 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

A2025/00422 - Christiaan Dellarey Montgomery Class 08. CHAIN GAUGE

A2025/00420 - Huawei Technologies Co., Ltd. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH USER INTERFACES

. - APPLIED ON 2025/04/16 -

A2025/00425 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2025/00424 - Turlen Holding SA Class 10. WATCH MECHANISMS

A2025/00423 - Turlen Holding SA Class 10. WATCHES

F2025/00426 - Techo (Pty) Ltd Class 10. LOAD INDICATOR

. - APPLIED ON 2025/04/17 -

F2025/00431 - GRAND PLASTICS (PTY) LTD Class 07. A HOLDER FOR A CONTAINER

F2025/00428 - WOODLANDS ENGINEERING (PTY) LIMITED Class 23. BOOSTER CONNECTION ASSEMBLY

A2025/00437 - Somari du Toit Class 14. MOBILE BUSKING STAGE

A2025/00429 - UNIVERSITY OF JOHANNESBURG Class 24. A ROUTINE PLANNER SET

F2025/00433 - GRAND PLASTICS (PTY) LTD Class 07. A HOLDER FOR A CONTAINER

A2025/00432 - GRAND PLASTICS (PTY) LTD Class 07. A HOLDER FOR A CONTAINER

A2025/00430 - GRAND PLASTICS (PTY) LTD Class 07. A HOLDER FOR A CONTAINER

F2025/00427 - WOODLANDS ENGINEERING (PTY) LIMITED Class 23. BOOSTER CONNECTION BODY

. - APPLIED ON 2025/04/22 -

A2025/00434 - BTL Industries Class 24. MEDICAL DEVICE

A2025/00435 - JOHNSTON, Luke Wesley Class 02. HEADWEAR

F2025/00436 - JOHNSTON, Luke Wesley Class 02. HEADWEAR

. - APPLIED ON 2025/04/23 -

A2025/00446 - BROWNS THE DIAMOND STORE (PTY) LTD Class 11. A GEMSTONE SETTING FOR A JEWEL

A2025/00439 - ROLEX SA Class 3. WATCH BOX

A2025/00441 - BROWNS THE DIAMOND STORE (PTY) LTD Class 11. AN EARRING

A2025/00438 - BTL Industries Class 24. MEDICAL DEVICE

A2025/00447 - BROWNS THE DIAMOND STORE (PTY) LTD Class 11. A PENDANT

A2025/00442 - BROWNS THE DIAMOND STORE (PTY) LTD Class 11. A RING

A2025/00444 - BROWNS THE DIAMOND STORE (PTY) LTD Class 11. A RING

A2025/00445 - BROWNS THE DIAMOND STORE (PTY) LTD Class 11. A BRACELET

A2025/00440 - BROWNS THE DIAMOND STORE (PTY) LTD Class 11. A PENDANT

A2025/00443 - BROWNS THE DIAMOND STORE (PTY) LTD Class 11. A RING

. - APPLIED ON 2025/04/24 -

A2025/00449 - SIC Enterprise, Inc. Class 4. BRUSH AND COMB DEVICES

A2025/00448 - SIC Enterprise, Inc. Class 4. BRUSH AND COMB DEVICES

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT

No records available

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

APPLICATION TO CORRECT AND/OR TO AMEND DESIGN APPLICATION

OR REGISTRATION. (SECTION 26,27-REGULATION 41)

FORM OF ADVERTISEMENT FOR INSERTION IN THE PATENT JOURNAL

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 1 AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART 1

Design No. : A2024/00673

Applicant : ETA SA Manufacture Horlogère Suisse

Class : 20

Article to which the Design is to be Applied: DISPLAY STAND FOR A WATCH

Date of Lodgment: 05/07/2024

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

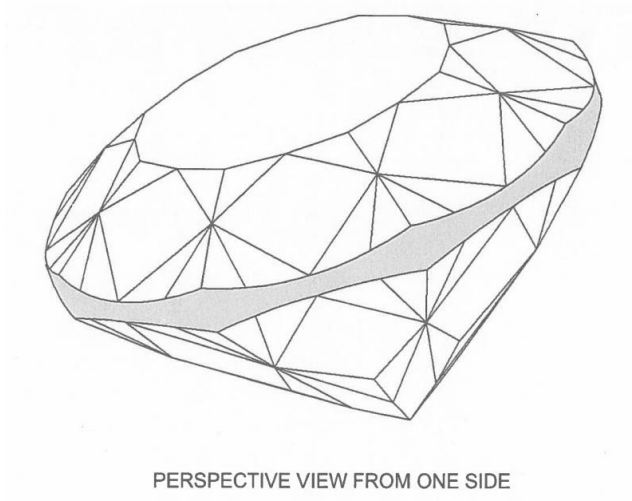
The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

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.

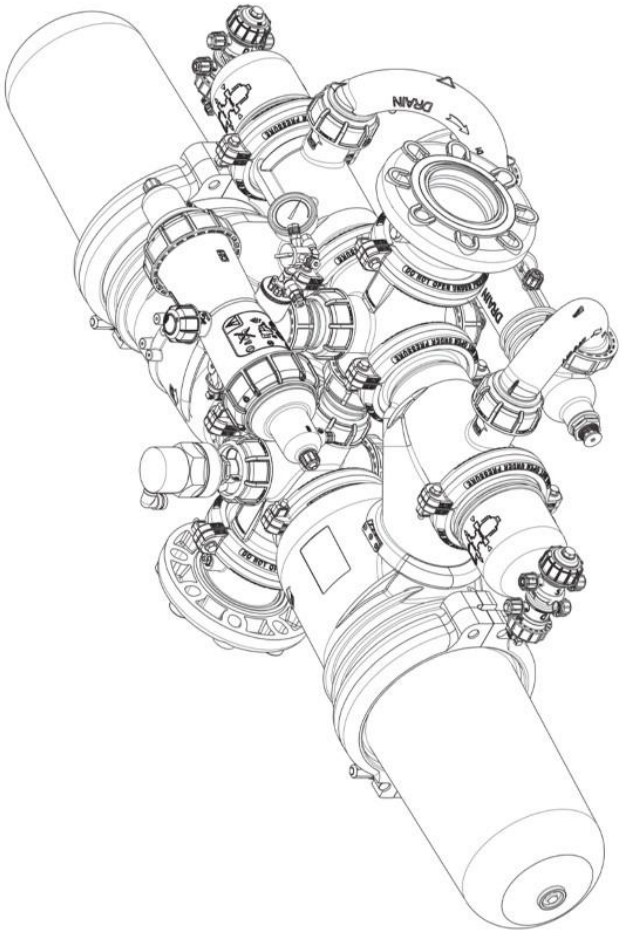
Registrar of Designs

21: A2018/01205 22: 2018-08-02 23:
43: 2025-04-11
52: Class 11 24: Part A
71: H.K. DESIGNS INC.
33: US 31: 29/645,107 32: 2018-04-24
54: PRECIOUS STONE
57: The design is to be applied to a precious stone. The features for which protection is claimed are those of shapes and/or configuration and/or pattern and/or ornamentation, substantially as shown in the presentations.



PERSPECTIVE VIEW FROM ONE SIDE

21: A2020/00034 22: 2020-01-10 23:
43: 2025-02-17
52: Class 23 24: Part A
71: AMIAD WATER SYSTEMS LTD.
33: IL 31: 63910 32: 2019-07-10
54: FILTRATION SYSTEM
57: The design is applied to a filtration system. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of a filtration system, substantially as illustrated in the accompanying representation.



21: A2023/00699 22: 2023-06-19 23:
43: 2025-02-17
52: Class 07. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/863,277 32: 2022-12-16
54: A Lid
57: The design is applied to a lid which is fittable to a container in use. The function of the lid is to aid with the containerisation of the fluid in the container. The container is included in the drawings merely for illustrative purposes and no legal protection for the same is sought.

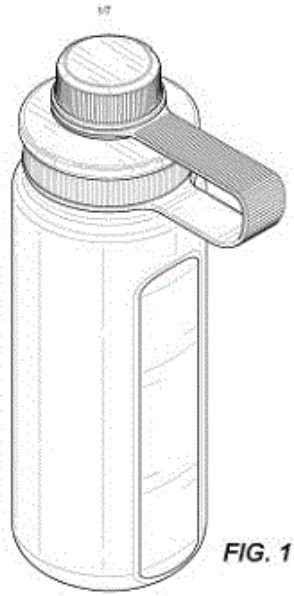


FIG. 1

21: A2023/01254 22: 2023-11-23 23:
43: 2023-05-25
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015022693-0001 32: 2023-05-25
54: TYRES AND TYRE TREADS
57: The design is for a tyre tread. The tyre tread has an inner and an outer circumferential shoulder row and a central section therebetween, the central section comprising three intermediate rows of even width. Each shoulder row has circumferentially spaced chevron shaped grooves pointed in the same direction, with the grooves oppositely pointed between the two shoulder rows. The intermediate rows are separated from each other by two circumferential grooves into an inner, a central, and an outer row. The inner and outer rows have substantially oblique grooves in alternating directions. Each inner and outer row further has a central circumferential groove and is composed of alternating smaller and larger trapezium shaped tread blocks laterally and alternating smaller and larger hexagonal tread blocks medially. The central row has alternating lateral zigzag grooves, with a central circumferential V-shaped groove and has substantially hexagonal tread blocks.

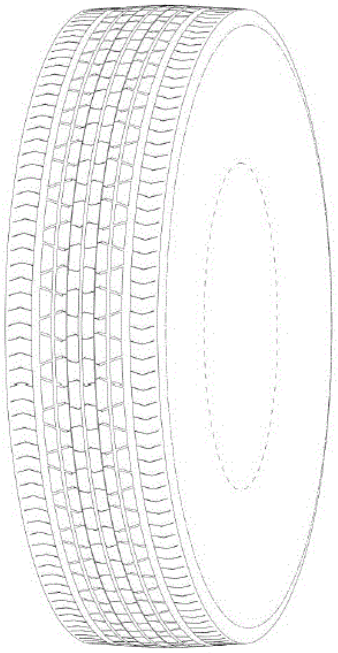


Figure 1

Three-dimensional view

21: A2023/01256 22: 2023-11-23 23:
43: 2023-05-25
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015022693-0004 32: 2023-05-25
54: TYRES AND TYRE TREADS
57: The design is for a tyre tread. The tyre tread has an inner and an outer circumferential shoulder row and a central section therebetween, the central section comprising three intermediate rows of even width. Each shoulder row has circumferentially spaced chevron shaped grooves pointed in the same direction, with the grooves oppositely pointed between the two shoulder rows. The intermediate rows are separated from each other by two circumferential grooves into an inner, a central, and an outer row. The inner and outer rows have substantially oblique grooves in alternating directions. Each inner and outer row further has a central circumferential groove and is composed of alternating smaller and larger trapezium shaped tread blocks laterally and alternating smaller and larger hexagonal tread blocks medially. The central row has alternating lateral zigzag grooves and has substantially hexagonal tread blocks.

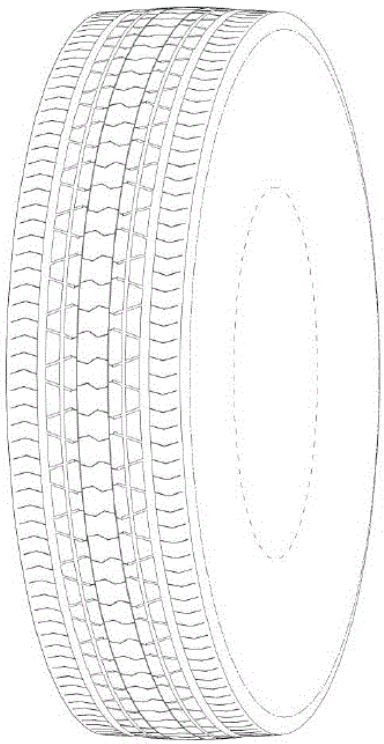


Figure 1

Three-dimensional view

21: A2023/01257 22: 2023-11-23 23:
43: 2023-05-25
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015022693-0005 32: 2023-05-25
54: TYRES AND TYRE TREADS
57: The design is for a tyre tread. The tyre tread has a central section comprising three rows of even width. The three rows are separated from each other by two circumferential grooves into an inner, a central, and an outer row. The inner and outer rows have substantially oblique grooves in alternating directions. Each inner and outer row further has a central circumferential groove and is composed of alternating smaller and larger trapezium shaped tread blocks laterally and alternating smaller and larger hexagonal tread blocks medially. The central row has alternating lateral zigzag grooves and has substantially hexagonal tread blocks.

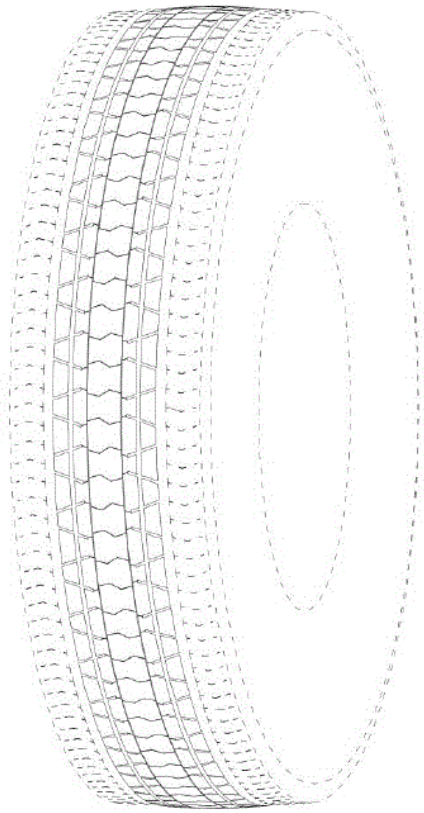


Figure 1

Three-dimensional view

21: A2023/01267 22: 2023-11-23 23:
43: 2023-05-25
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015022693-0008 32: 2023-05-25
54: TYRES AND TYRE TREADS
57: The design is for a tyre tread. The tyre tread has a central section comprising three rows of even width. The three rows are separated from each other by two circumferential grooves into an inner, a central, and an outer row. The inner and outer rows have substantially oblique grooves in alternating directions. Each inner and outer row further has a central circumferential groove and is composed of alternating smaller and larger trapezium shaped tread blocks laterally and alternating smaller and larger hexagonal tread blocks medially. The central row has alternating lateral zigzag grooves and has substantially hexagonal tread blocks.

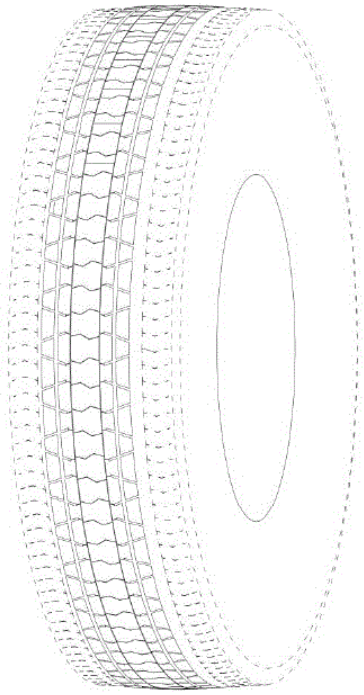


Figure 1

Three-dimensional view

21: A2023/01272 22: 2023-11-23 23:
43: 2023-05-25
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015022693-0002 32: 2023-05-25
54: TYRES AND TYRE TREADS
57: The design is for a tyre tread. The tyre tread has a central section comprising three rows of even width. The three rows are separated from each other by two circumferential grooves into an inner, a central, and an outer row. The inner and outer rows have substantially oblique grooves in alternating directions. Each inner and outer row further has a central circumferential groove and is composed of alternating smaller and larger trapezium shaped tread blocks laterally and alternating smaller and larger hexagonal tread blocks medially. The central row has alternating lateral zigzag grooves, with a central circumferential V-shaped groove, and has substantially hexagonal tread blocks.

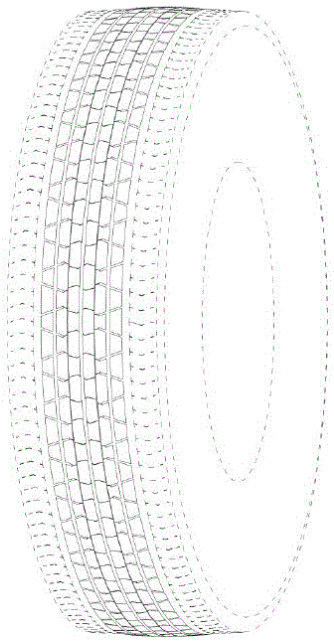


Figure 1

Three-dimensional view

21: A2023/01273 22: 2023-11-23 23:
43: 2023-05-25
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015022693-0003 32: 2023-05-25
54: TYRES AND TYRE TREADS
57: The design is for a tyre tread. The tyre tread has a central section comprising three rows of even width. The three rows are separated from each other by two circumferential grooves into an inner, a central, and an outer row. The inner and outer rows have substantially oblique grooves in alternating directions. Each inner and outer row further has a central circumferential groove and is composed of alternating smaller and larger trapezium shaped tread blocks laterally and alternating smaller and larger hexagonal tread blocks medially. The central row has alternating lateral zigzag grooves, with a central circumferential V-shaped groove, and has substantially hexagonal tread blocks.

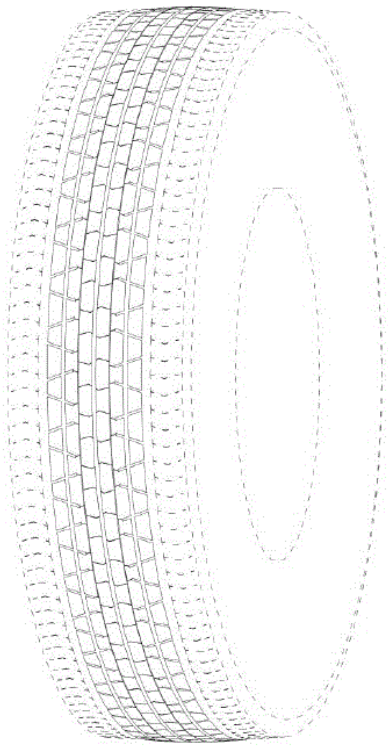


Figure 1

Three-dimensional view

21: A2023/01274 22: 2023-11-23 23:
43: 2023-05-25
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015022693-0006 32: 2023-05-25
54: TYRES AND TYRE TREADS
57: The design is for a tyre tread. The tyre tread has a central section comprising three rows of even width. The three rows are separated from each other by two circumferential grooves into an inner, a central, and an outer row. The inner and outer rows have substantially oblique grooves in alternating directions. Each inner and outer row further has a central circumferential groove and is composed of alternating smaller and larger trapezium shaped tread blocks laterally and alternating smaller and larger hexagonal tread blocks medially. The central row has alternating lateral zigzag grooves and has substantially hexagonal tread blocks.

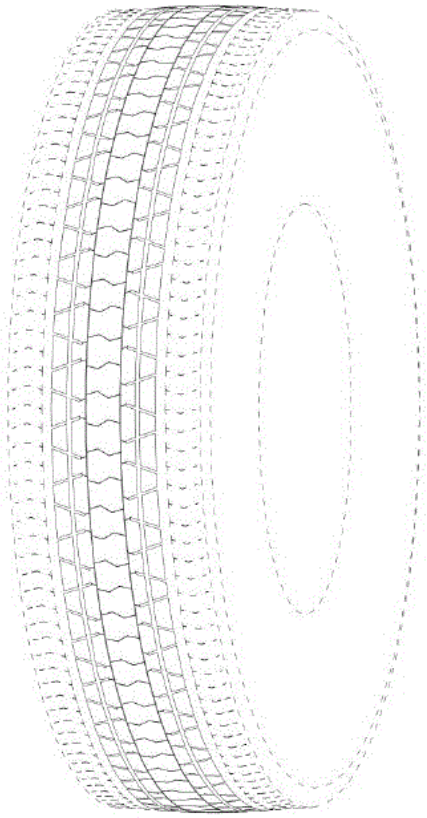


Figure 1

Three-dimensional view

21: A2023/01275 22: 2023-11-23 23:
43: 2023-05-25
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015022693-0007 32: 2023-05-25
54: TYRES AND TYRE TREADS
57: The design is for a tyre tread. The tyre tread has a central section comprising three rows of even width. The three rows are separated from each other by two circumferential grooves into an inner, a central, and an outer row. The inner and outer rows have substantially oblique grooves in alternating directions. Each inner and outer row further has a central circumferential groove and is composed of alternating smaller and larger trapezium shaped tread blocks laterally and alternating smaller and larger hexagonal tread blocks medially. The central row has alternating lateral zigzag grooves, with a

central circumferential V-shaped groove, and has substantially hexagonal tread blocks.

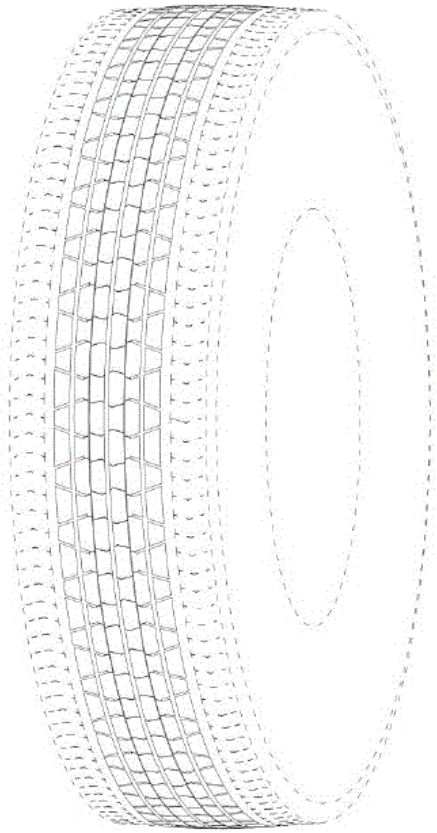


Figure 1

Three-dimensional view

21: A2024/00039 22: 2024-01-12 23:
43: 2023-07-13
52: Class 9 24: Part A
71: Eli Lilly and Company
33: US 31: 29/879,833 32: 2023-07-13
54: BOXES
57: The design is for a box. The box is in a form of an upright rectangular prism that has a square shaped top and bottom faces and rectangular side faces. The top and bottom faces have tapered edges that are detached from peripherals edge of the box. Two overlapping first and second legs forming an A-shaped signage are provided at each of the top centre of the front, bottom and one of the side faces. The first leg has a first colour and the second leg has a second colour.

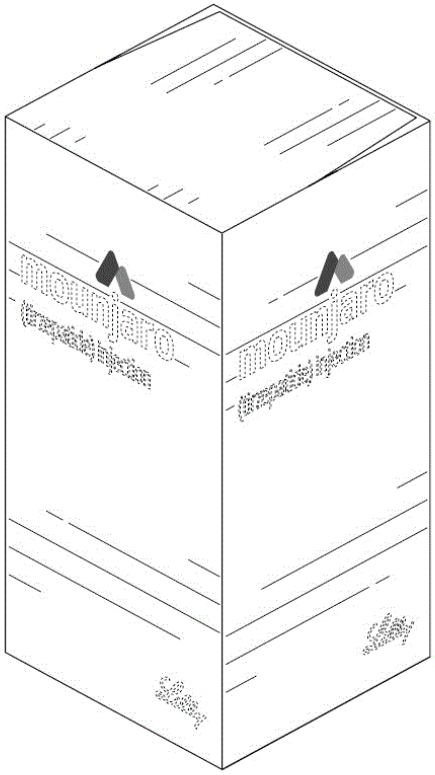


Figure 1
Three-dimensional view

21: A2024/00040 22: 2024-01-12 23:
43: 2023-07-13
52: Class 9 24: Part A
71: Eli Lilly and Company
33: US 31: 29/879,833 32: 2023-07-13
54: BOXES
57: The design is for a box. The box has a rectangular face. Two overlapping first and second legs forming an A-shaped signage are provided at the top centre of face. The first leg has a first colour and the second leg has a second colour.

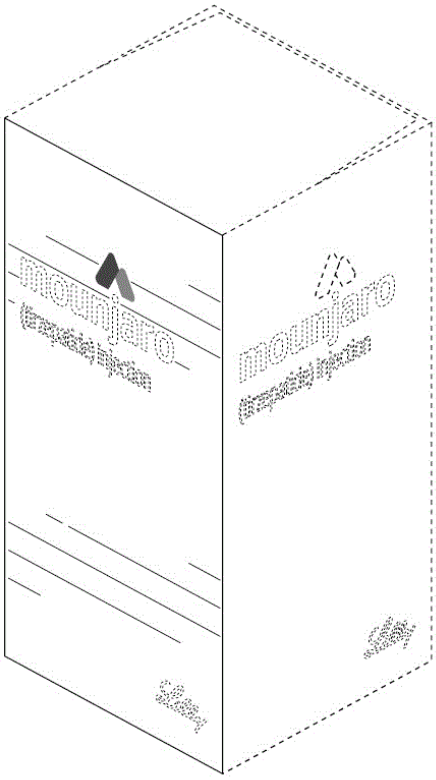


Figure 1
Three-dimensional view

21: A2024/00041 22: 2024-01-12 23:
43: 2023-07-13
52: Class 9 24: Part A
71: Eli Lilly and Company
33: US 31: 29/879,833 32: 2023-07-13
54: BOXES
57: The design is for a box. The box is in a form of an upright rectangular prism that has a square shaped top and bottom faces and rectangular side faces. The top and bottom faces have tapered edges that are detached from peripherals edge of the box. Two overlapping first and second legs forming an A-shaped signage are provided at each of the top centre of the front, bottom and one of the side faces. The first leg has a first colour and the second leg has a second colour.

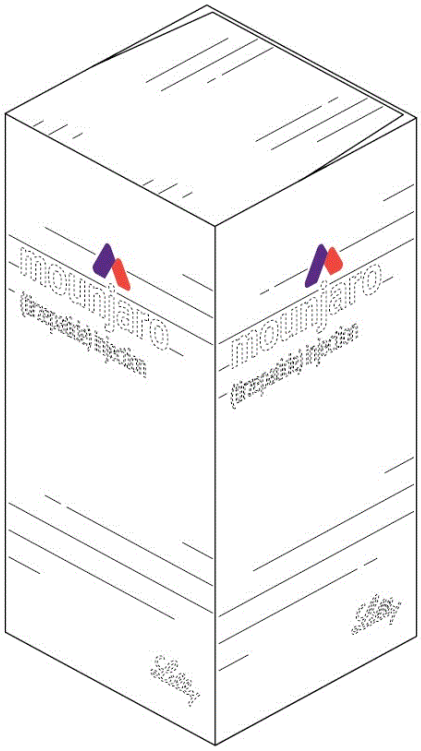


Figure 1
Three-dimensional view

21: A2024/00139 22: 2024-02-02 23:
43: 2023-08-03
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015030149-0002 32: 2023-08-03
54: TYRES AND TYRE TREADS
57: The design is for a tyre and tyre tread. The tyre tread a central section comprising three intermediate rows of even width which are separated from each other by circumferential grooves into an inner, a central, and an outer row. An alternating pattern of V-shaped treads comprised of long sipes and grooves extending from the inner and outer rows into the central row. Angularly arranged grooves are provided on the inner and outer rows between the long sipes and grooves.

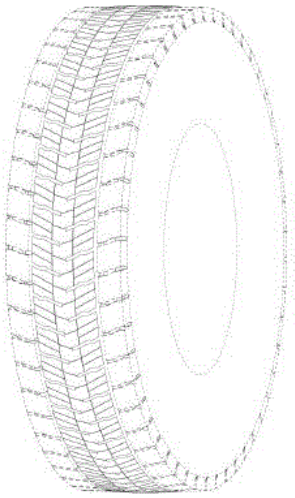


Figure 1

Three-dimensional view

21: A2024/00142 22: 2024-02-02 23:
43: 2023-08-03
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 015030149-0001 32: 2023-08-03
54: TYRES AND TYRE TREADS
57: The design is for a tyre and tyre tread. The tyre tread has an inner and an outer circumferential shoulder row and a central section therebetween, the central section comprising three intermediate rows of even width which are separated from each other by circumferential grooves into an inner, a central, and an outer row. An alternating pattern of V-shaped treads comprised of long sipes and grooves extending from the inner and outer rows into the central row. Angularly arranged grooves are provided on the inner and outer rows between the long sipes and grooves. The outer shoulder row has radially spaced, angularly arranged sipes each of which extend partly from a sidewall of the tyre and terminate on the circumferential groove of the outer row. The inner shoulder row has radially spaced, angularly arranged sipes each of which extend partly from an opposite sidewall of the tyre and terminate on the circumferential groove of the inner row.

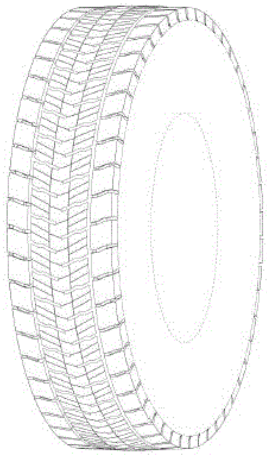


Figure 1

Three-dimensional view

21: A2024/00439 22: 2024-05-09 23:
43: 2023-11-10
52: Class 25 24: Part A
71: PVH Production A/S
33: EM(DK) 31: 015040613-0001 32: 2023-11-10
54: CLADDING
57: The design is for cladding. The cladding is elongated and rectangular with two opposing long sides and two opposing short sides, further having a front and a back surface. The cladding is corrugated or furrowed. One of the long sides is flat-ending and the opposing long side has a lip projecting forwardly. The cladding has parallel longitudinally extending wood strips separated by grooves or furrows.

Figure 2

Three-dimensional view

21: A2024/00440 22: 2024-05-09 23:
43: 2023-11-10
52: Class 25 24: Part A
71: PVH Production A/S
33: EM(DK) 31: 015040613-0002 32: 2023-11-10
54: CLADDING
57: The design is for cladding. The cladding is elongated and rectangular with two opposing long sides and two opposing short sides, further having a front and a back surface. The cladding is corrugated or furrowed. One of the long sides is flat-ending and the opposing long side has a lip projecting forwardly. The cladding has parallel longitudinally extending strips separated by grooves or furrows.

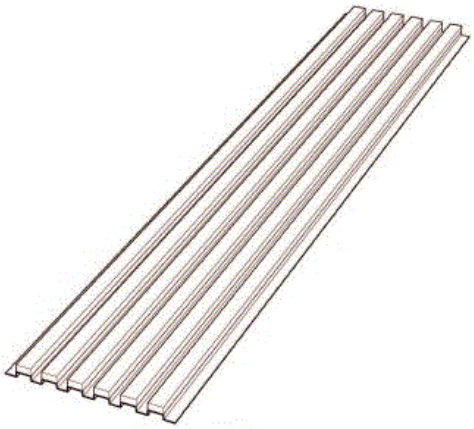
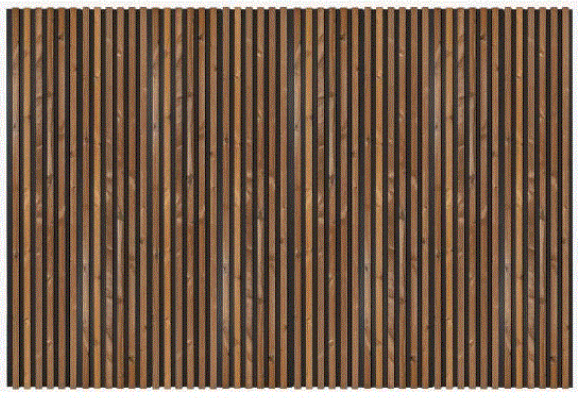


Figure 1

Three-dimensional view

21: A2024/00441 22: 2024-05-09 23:
43: 2023-11-10
52: Class 25 24: Part A
71: PVH Production A/S
33: EM(DK) 31: 015040613-0003 32: 2023-11-10
54: CLADDING
57: The design is for cladding. The cladding is planar and is corrugated or furrowed. The cladding has parallel longitudinally extending wood strips separated by grooves or furrows.

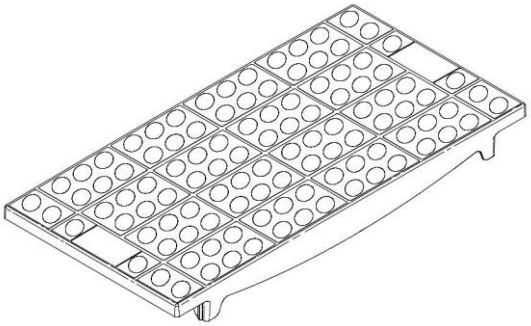


Single Figure

Front view

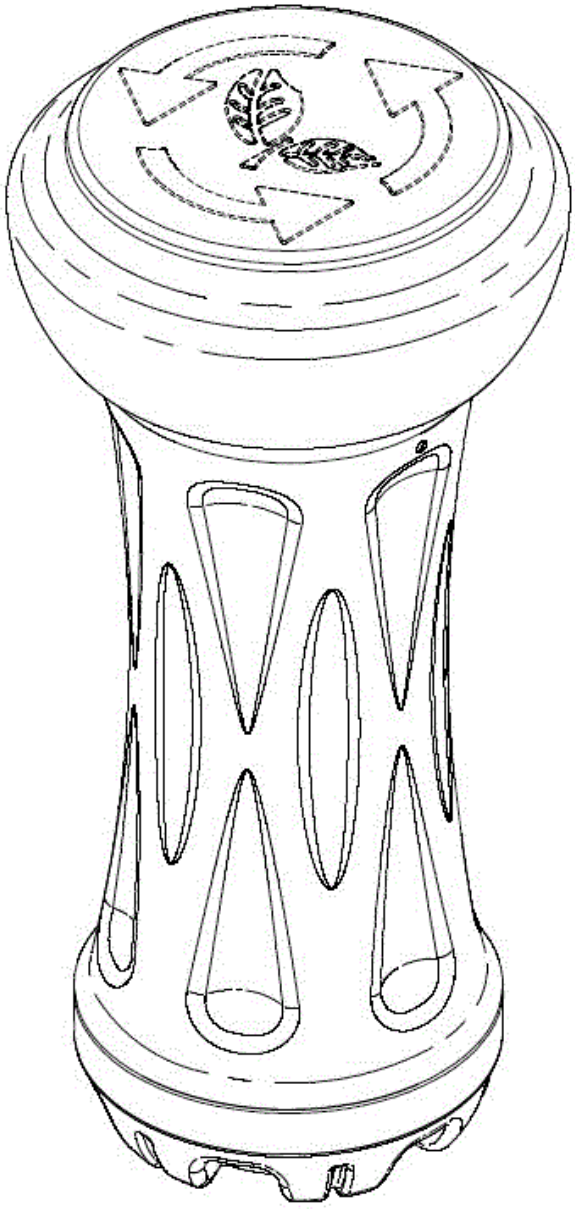
21: A2024/00505 22: 2024-05-30 23:
43: 2024-05-30

52: Class 6 24: Part A
71: SUPERCART SOUTH AFRICA (PTY) LTD
54: SHELF SLAT
57: The design is applied to a shelf slat for a shelf rack. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern and/or ornamentation of a shelf slat, substantially as illustrated in the accompanying representations.

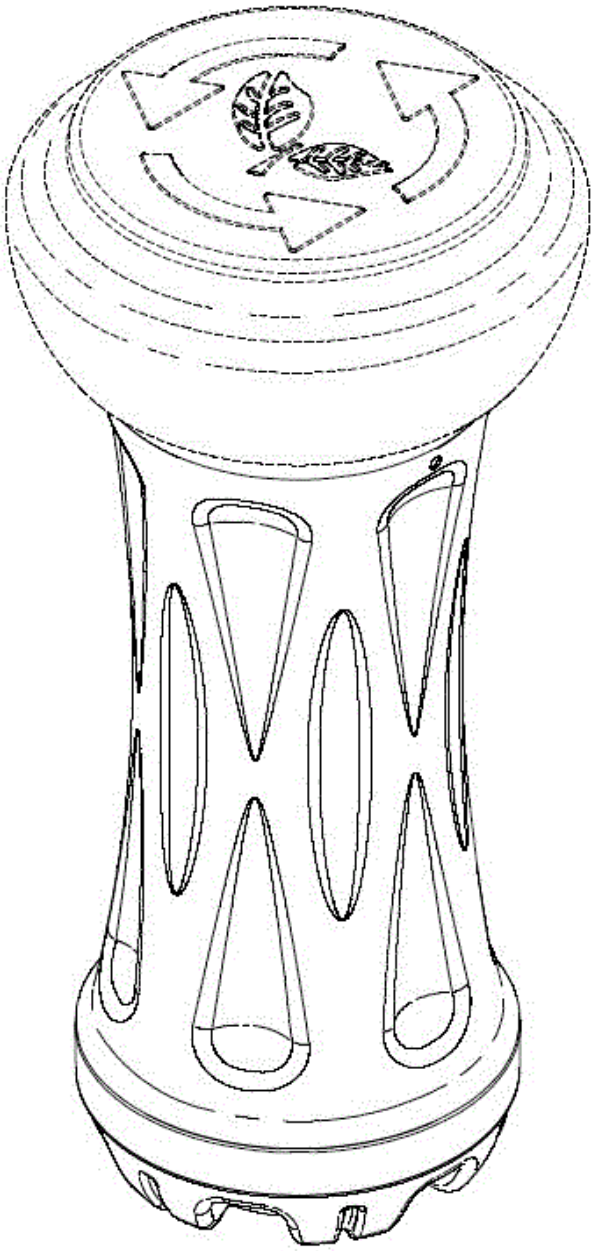


Three-dimensional view from top

21: A2024/00540 22: 2024-06-11 23:
43: 2023-12-20
52: Class 9 24: Part A
71: CONTROL CHEMICALS (PTY) LTD
54: FLOATING CHEMICAL DISPENSING CONTAINERS
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or the ornamentation of a floating chemical dispensing container, substantially as illustrated in the accompanying representations.



21: A2024/00541 22: 2024-06-11 23:
43: 2023-12-20
52: Class 9 24: Part A
71: CONTROL CHEMICALS (PTY) LTD
54: FLOATING CHEMICAL DISPENSING CONTAINERS
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or the ornamentation of a floating chemical dispensing container, substantially as illustrated in the accompanying representations.



21: A2024/00557 22: 2024-06-13 23:
43: 2025-02-10
52: Class 14 24: Part A
71: GEIDEA FOR TECHNOLOGY CO.
54: A HANDHELD POINT OF SALE DEVICE
57: The representation shows a perspective front, right side view of a handheld point of sale device having a tag embedded in its side in accordance with the present design showing the overall appearance thereof.

21: A2024/00558 22: 2024-06-13 23:
43: 2025-02-10
52: Class 14 24: Part A
71: GEIDEA FOR TECHNOLOGY CO.
54: A COUNTERTOP POINT OF SALE DEVICE
57: The representation shows a perspective front, right side view of a countertop point of sale device having a tag embedded in its side in accordance with the present design showing the overall appearance thereof.

21: A2024/00560 22: 2024-06-13 23:
43: 2023-12-14
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402023100901.4 32: 2023-12-14
54: MOTOR VEHICLES
57: The design is for a motor vehicle, specifically a five-door SUV, having short front and rear overhangs, a long bonnet and wheelbase. The front has a twin heptagonal-shaped radiator grill and horizontal headlights reaching far into its centre to the radiator grille and tapering towards the sides. The headlights have horizontal stripes and two X-shaped lamps each. The lower front has a large rectangular opening optically divided in half and several prominent diagonal lines. The bonnet has two short rearwardly diverging ridges in its centre with a lowered, plane surface in between and two longer ridges running almost parallel to the outside edges. The sides have large, almost squared-off wheel arches emphasised by almost squared-off swage lines above and one prominent swage line running parallel to the lower edge. The rear is characterised by several prominent diagonal lines. The almost rectangular horizontal rear lights reach far into the centre.

Figure 1

Three-dimensional view

21: A2024/00561 22: 2024-06-13 23:
43: 2023-12-14
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402023100900.6 32: 2023-12-14
54: MOTOR VEHICLES
57: The design is for a motor vehicle, specifically a five-door SUV, having short front and rear overhangs, a long bonnet and wheelbase. The front is characterised by a twin heptagonal-shaped radiator grill and horizontal headlights reaching far into its centre to the radiator grille and tapering towards the sides. The headlights have narrow, horizontal and wide, diagonal stripes and two rectangular lamps each. The lower front is characterised by a large, almost rectangular opening optically divided in half and several prominent diagonal lines. The bonnet has two short rearwardly diverging ridges in its centre with a lowered, plane surface in between and two longer, kinked ridges running almost parallel to the front and outside edges. The sides have large, almost squared-off wheel arches emphasised by swage lines above and one prominent swage line running almost parallel to the lower edge. The rear is characterised by two parallel, paddle-shaped lines.

Figure 1

Three-dimensional view

21: A2024/00562 22: 2024-06-13 23:
43: 2023-12-14
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402023100900.6 32: 2023-12-14
54: MOTOR VEHICLES
57: The design is for a motor vehicle, specifically a five-door SUV, having short front and rear overhangs, a long bonnet and extended wheelbase. The front has a twin heptagonal-shaped radiator grill and horizontal headlights reaching far into its centre to the radiator grille and tapering towards the sides. The headlights have narrow, horizontal and wide, diagonal stripes and two rectangular lamps each. The lower front has a large, almost rectangular opening optically divided in half flanked by two narrow, vertical, kinked apertures at each side. The bonnet has two short rearwardly diverging ridges in its centre with a lowered, plane surface in between and two longer, kinked ridges running almost parallel to the front and outside edges. The sides have large, almost squared-off wheel arches emphasised by swage lines above and one prominent swage line running almost parallel to the lower edge. The rear has two parallel, paddle-shaped lines.

Figure 1

Three-dimensional view

21: A2024/00581 22: 2024-06-18 23:
43: 2023-12-18
52: Class 12 24: Part A
71: Runweight Pty Ltd
33: AU 31: 202318547 32: 2023-12-18
54: AIRCRAFT WEIGHING DEVICES
57: The design is an aircraft weighing device. The device is an elongate strip comprising a plurality of slab-like segments connected end-to-end. The device presents a flat top surface and can facilitate weight calculation of an aircraft rolled thereover.

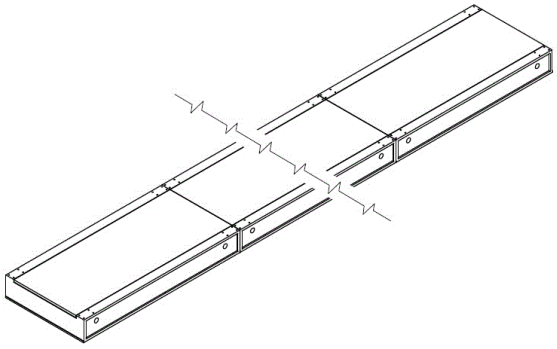
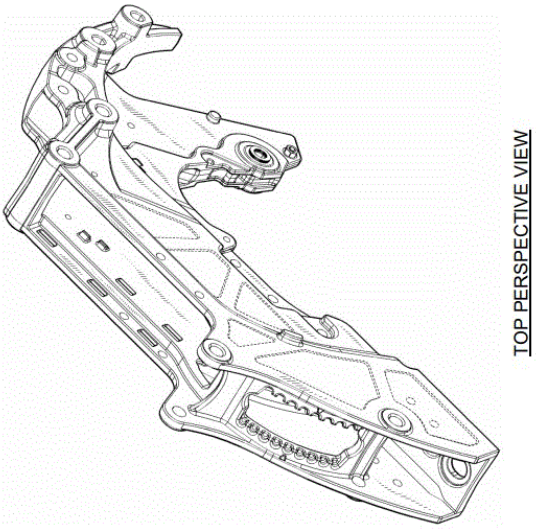
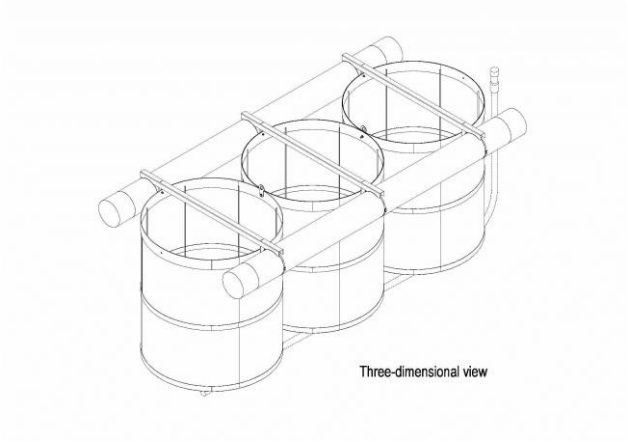


Figure 1
Three-dimensional view

21: A2024/00586 22: 2024-06-19 23:
43: 2025-03-06
52: Class 15 24: Part A
71: PRECISION PLANTING LLC
33: US 31: 29/907,691 32: 2024-01-08
54: PLANTER ROW UNIT FRAME
57: The design is to be applied to a planter row unit frame. The features for which protection is claimed are those of shape and/or configuration and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.



21: A2024/00616 22: 2024-06-24 23:
43: 2024-06-24
52: Class 23 24: Part A
71: AMBERSKIES TRADING CC
54: Water Filters
57: This design relates to water filters, particularly a partially submersible water bioremediation filter system substantially as shown in the accompanying representations. The system comprises a pair of parallel spaced apart ballast tanks straddling and attached to substantially cylindrical enclosures or tanks, adjacent top portions thereof, to keep open mouths of the enclosures above a surface of a body of water in use. The ballast tanks are connected via transverse support braces, wherein the braces also facilitate attachment of the ballast tanks to the enclosures, via suitable attachment arrangements in the form of claims and members such as screws/bolts. The enclosures are similar and have mesh-like permeable walls secured between top and bottom rings, with conical base portions. In use, the enclosures form pools in the body of water for location of biological organisms therein to filter at least a portion of one of more contaminants from the body of water.



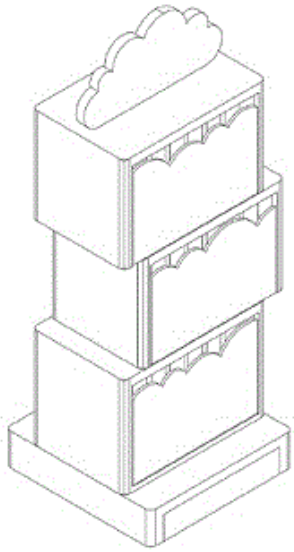
21: A2024/00666 22: 2024-07-02 23:
43: 2024-07-02
52: Class 2 24: Part A
71: BATHU SWAG (PTY) LIMITED
54: FOOTWEAR
57: The design is for a footwear. The features of the design are illustrated in the overall appearance of the footwear except for the logo and trademark devices which are shown for illustrative purposes only and laces which are optional and do not form an essential part of the overall design.

THREE-DIMENSIONAL VIEW

21: A2024/00670 22: 2024-07-04 23:
43: 2024-01-05
52: Class 2 24: Part A
71: Crocs, Inc.
33: US 31: 29/907,364 32: 2024-01-05
54: FOOTWEAR
57: The present design consists of a shoe characterized by a slip-on-type construction consisting of an upper and a sole. The opening of the upper includes a curved perimeter and a depression in the front area. The upper includes vertically adjacent grooves with curved patterns. The back portion includes vertically adjacent horizontal grooves. The inner side portion of the upper includes oval-shaped cutouts. The sole includes geometric cutouts.

Figure 1
Three-dimensional view

21: A2024/00673 22: 2024-07-05 23:
43: 2025-02-10
52: Class 20. 24: Part A
71: ETA SA Manufacture Horlogère Suisse
33: IB 31: 142468 32: 2024-01-08
54: Display Stand for a Watch
57: The design relates to a display stand for a watch. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT AND LEFT SIDE PERPECTIVE VIEW

21: A2024/00674 22: 2024-07-05 23:
43: 2025-02-10
52: Class 10. 24: Part A
71: BLANCPAIN SA

33: IB 31: 142777 32: 2024-01-08
54: Watch
57: The design relates to a watch. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

FRONT VIEW

21: A2024/00678 22: 2024-07-11 23:
43: 2024-01-17
52: Class 13 24: Part A
71: Enphase Energy, Inc.
33: US 31: 29/924,066 32: 2024-01-17
54: PORTABLE ENERGY STORAGE DEVICES
57: The present disclosure relates to a portable energy storage device that can comprise one or more handles that allows a user to move the portable energy storage device to numerous locations. The portable energy storage device can comprise a front cover and a rear cover that are configured to protect front panel components and rear panel components, respectively.

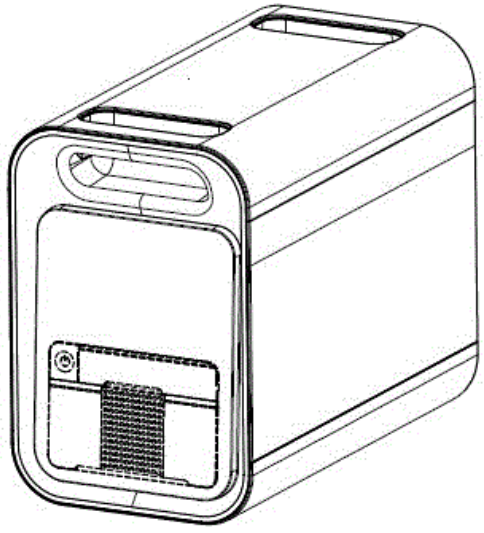


Figure 1
Three-dimensional view with front cover

21: A2024/00682 22: 2024-07-16 23:
43: 2024-07-16
52: Class 2 24: Part A
71: LEDAR TRADE (PTY) LTD
54: Footwear
57: This design is for a shoe, particularly a shoe as illustrated in the accompanying representations. The illustrated shoe illustrated is in respect of a left shoe for a left foot, the right shoe being substantially similar.

Side view

21: A2024/00683 22: 2024-07-16 23:
43: 2024-01-17
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402024100028.1 32: 2024-01-17
54: MOTOR VEHICLES
57: The design is for a motor vehicle, particularly a five-door hatch, having a long bonnet, short overhangs, a wide wheelbase and a recessed passenger cell set. The bonnet has two curved contour lines. The front is characterized by a wide, double pentagonal radiator grille having vertical and diagonal bars and is flanked above by angled, generally hexagonal headlights. A wide, generally trapezoidal central lower air-intake grille is provided

below the radiator grille flanked by vertical side openings. Two swage lines extend along the side of the vehicle, one is a straight line extending from the front to the rear fender below the door handles, and the other is a line with an upward bend extending above the sill. The rear has wide, irregularly shaped rear lights and is characterized by various horizontal lines and a paddle-shaped insert at the bottom flanked by vertical side reflectors.

Figure 1

Three-dimensional view

21: A2024/00684 22: 2024-07-16 23:
43: 2024-01-17
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402024100028.1 32: 2024-01-17
54: MOTOR VEHICLES
57: The design is for a vehicle, particularly a four-door coupé, having short overhangs, a long bonnet, a wide wheelbase and recessed passenger compartment. The bonnet has two curved contour lines. The front is characterized by a wide, double pentagonal radiator grille having vertical and diagonal bars and is flanked above by angled, generally hexagonal headlights. A wide, generally trapezoidal central lower air-intake grille is provided below the radiator grille flanked by vertical side openings. Two swage lines extend along the side of the vehicle, one is a straight line extending from the front to the rear fender below the door handles, and the other is a line with an upward bend extending above the sill. The rear has wide, irregularly shaped rear lights and is characterized by various horizontal lines and a horizontal insert at the bottom flanked by vertical side reflectors.

Figure 1

Three-dimensional view

21: A2024/00685 22: 2024-07-16 23:
43: 2024-01-17
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402024100028.1 32: 2024-01-17
54: MOTOR VEHICLES
57: The design is for a vehicle, particularly a four-door coupé, having short overhangs, a long bonnet, a wide wheelbase and recessed passenger compartment. The bonnet has two curved contour lines. The front is characterized by a wide, double pentagonal radiator grille having vertical and diagonal bars and is flanked above by angled, generally hexagonal headlights. A wide, generally trapezoidal central lower air-intake grille having prominent horizontal and vertical bars is provided below the radiator grille flanked by vertical side openings. One swage line extends along the side of the vehicle from the front wheel towards the rear with an upward bend extending above the sill. The rear has wide, irregularly shaped rear lights and is characterized by various horizontal lines and an elongated trapezoidal insert at the bottom flanked by vertical side reflectors.

Figure 1

Three-dimensional view

21: A2024/00686 22: 2024-07-16 23:
43: 2024-01-17
52: Class 7 24: Part A
71: SMEG S.p.A.
33: HSIRID(IT) 31: DM/235422 32: 2024-01-17
54: COFFEE MACHINES
57: The design is for a coffee machine. The coffee machine includes a body, a foot piece and a steam wand. The body has a substantially cuboid shape with convexly curved front, back, and two side surfaces, and flat bottom and top surfaces. The front surface has a concave U-shaped bay with a central circular button thereabove. The steam wand has a curved shape proximally, and which is straight distally extending from the roof of the bay. The foot piece is attached to the bottom surface. The top surface has a square pattern of circles and a cluster of buttons near a front. The coffee machine further includes a water reservoir container forming part of the back surface of the body and a handle with a knob at one of its side surfaces.

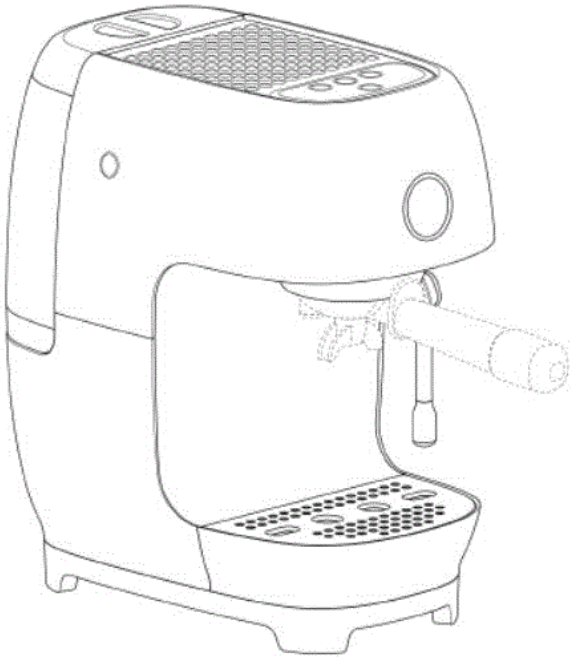
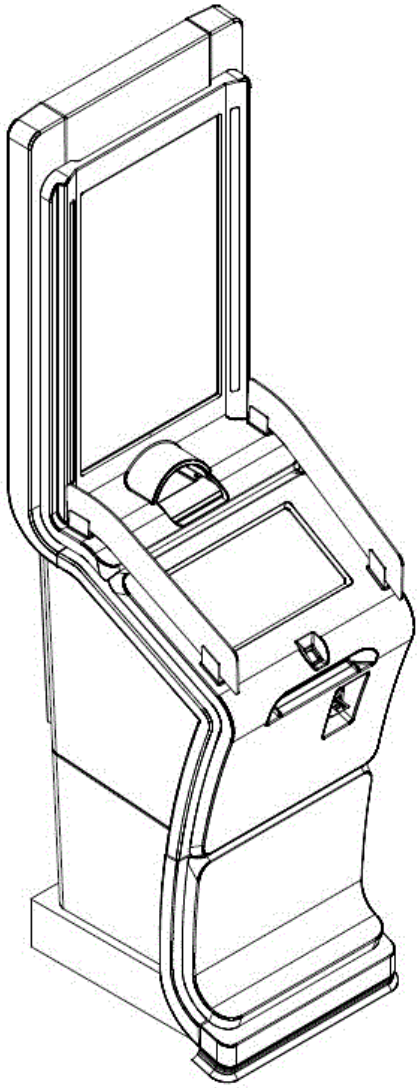


Figure 1

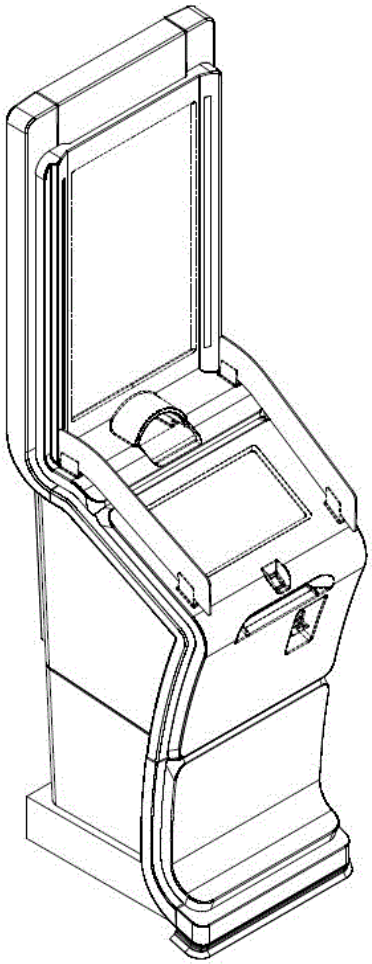
Three-dimensional view

21: A2024/00690 22: 2024-07-16 23:
43: 2024-07-16
52: Class 14 24: Part A
71: TYME PTE LIMITED
54: KIOSKS
57: The design is for a kiosk. The features of the design are illustrated in the overall appearance of the kiosk. It is the overall design of the kiosk that is claimed.



Three-dimensional view from front

21: A2024/00691 22: 2024-07-16 23:
43: 2024-07-16
52: Class 14 24: Part A
71: TYME PTE LIMITED
54: KIOSKS
57: The design is for a kiosk. The features of the design are illustrated in the overall appearance of the kiosk. It is the overall design of the kiosk that is claimed.

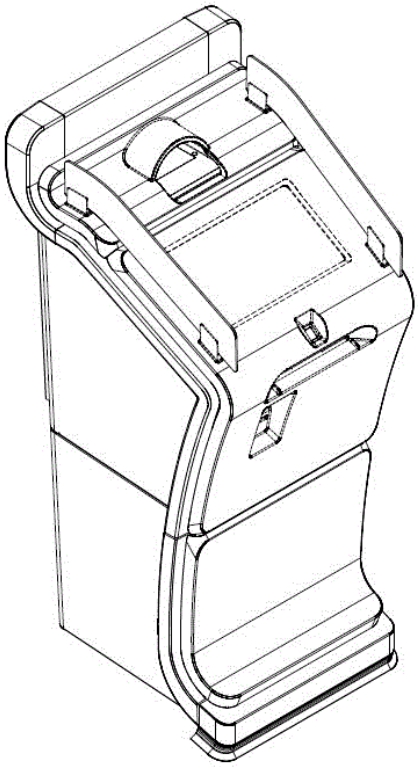


Three-dimensional view from front

21: A2024/00692 22: 2024-07-16 23:
43: 2024-07-16
52: Class 14 24: Part A
71: TYME PTE LIMITED
54: KIOSKS
57: The design is for a kiosk. The features of the design are illustrated in the overall appearance of the kiosk. It is the overall design of the kiosk that is claimed.

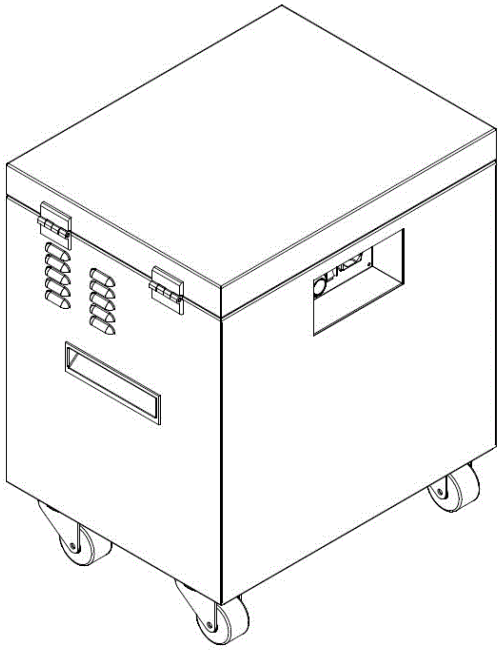
Three-dimensional view from front

21: A2024/00693 22: 2024-07-16 23:
43: 2024-07-16
52: Class 14 24: Part A
71: TYME PTE LIMITED
54: KIOSKS
57: The design is for a kiosk. The features of the design are illustrated in the overall appearance of the kiosk. It is the overall design of the kiosk that is claimed.



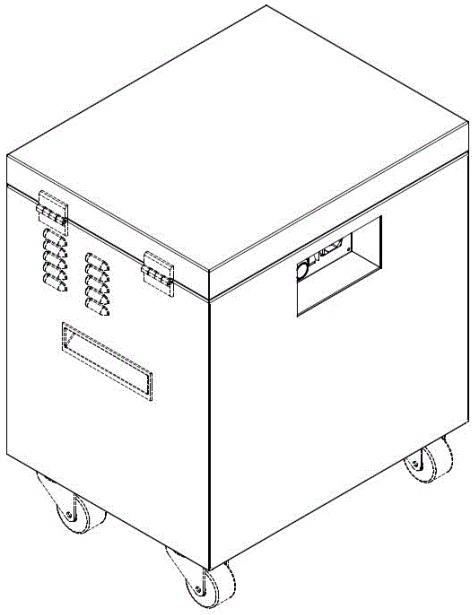
Three-dimensional view from front

21: A2024/00694 22: 2024-07-16 23:
43: 2024-07-16
52: Class 13 24: Part A
71: TYME PTE LIMITED
54: BATTERY HOUSINGS
57: The design is for a battery housing. The features of the design are illustrated in the overall appearance of the battery housing. It is the overall design of the battery housing that is claimed.



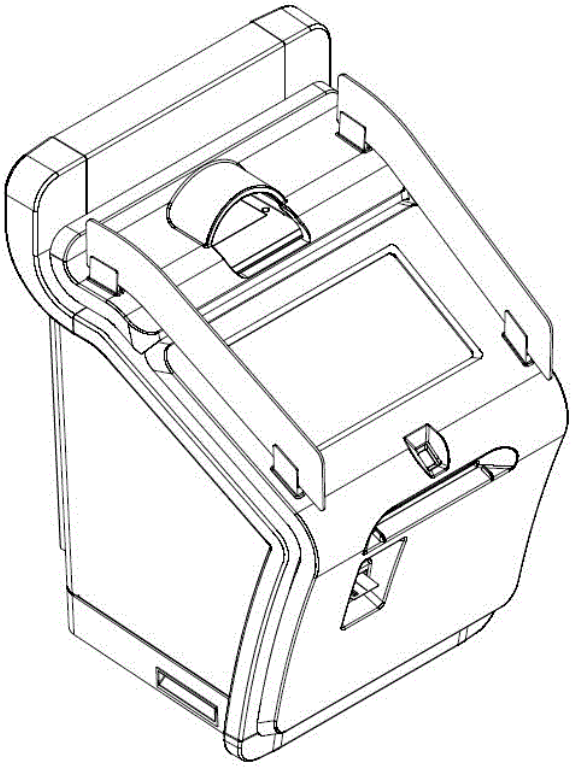
Three-dimensional view

21: A2024/00695 22: 2024-07-16 23:
43: 2024-07-16
52: Class 13 24: Part A
71: TYME PTE LIMITED
54: BATTERY HOUSINGS
57: The design is for a battery housing. The features of the design are illustrated in the overall appearance of the battery housing. It is the overall design of the battery housing that is claimed.



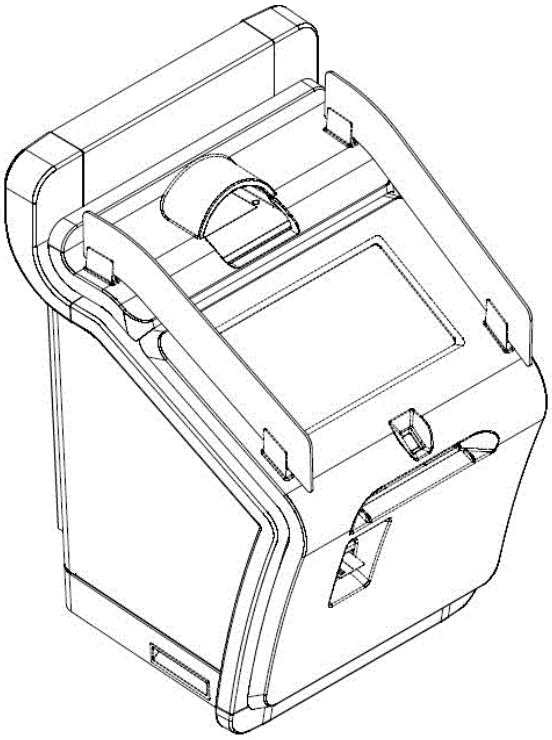
Three-dimensional view

21: A2024/00696 22: 2024-07-16 23:
43: 2024-07-16
52: Class 14 24: Part A
71: TYME PTE LIMITED
54: KIOSKS
57: The design is for a kiosk. The features of the design are illustrated in the overall appearance of the kiosk. It is the overall design of the kiosk that is claimed.



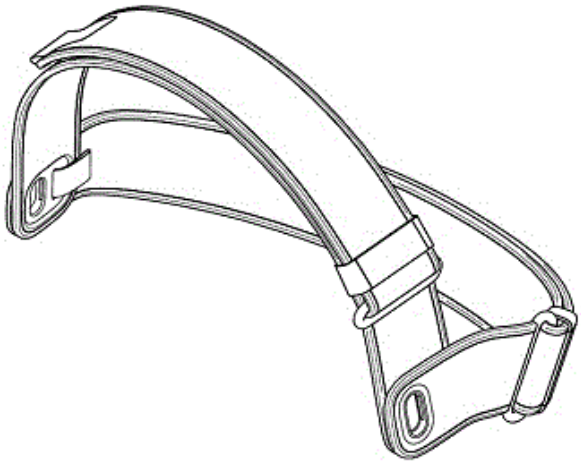
Three-dimensional view from front

21: A2024/00697 22: 2024-07-16 23:
43: 2024-07-16
52: Class 14 24: Part A
71: TYME PTE LIMITED
54: KIOSKS
57: The design is for a kiosk. The features of the design are illustrated in the overall appearance of the kiosk. It is the overall design of the kiosk that is claimed.



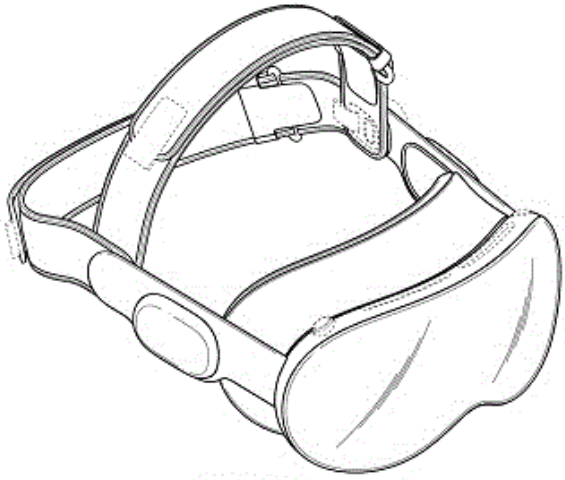
Three-dimensional view from front

21: A2024/00700 22: 2024-07-17 23:
43: 2025-02-10
52: Class 14. 24: Part A
71: APPLE INC.
33: US 31: 29/924,751 32: 2024-01-19
54: Band for a Head-Mounted Display
57: The design relates to a band for a head-mounted display. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP FRONT PERSPECTIVE VIEW

21: A2024/00701 22: 2024-07-17 23:
43: 2025-02-10
52: Class 14. 24: Part A
71: APPLE INC.
33: US 31: 29/932,492 32: 2024-03-14
33: US 31: 29/924,745 32: 2024-01-19
54: Head-Mounted Display
57: The design relates to a head-mounted display. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP AND FRONT PERSPECTIVE VIEW

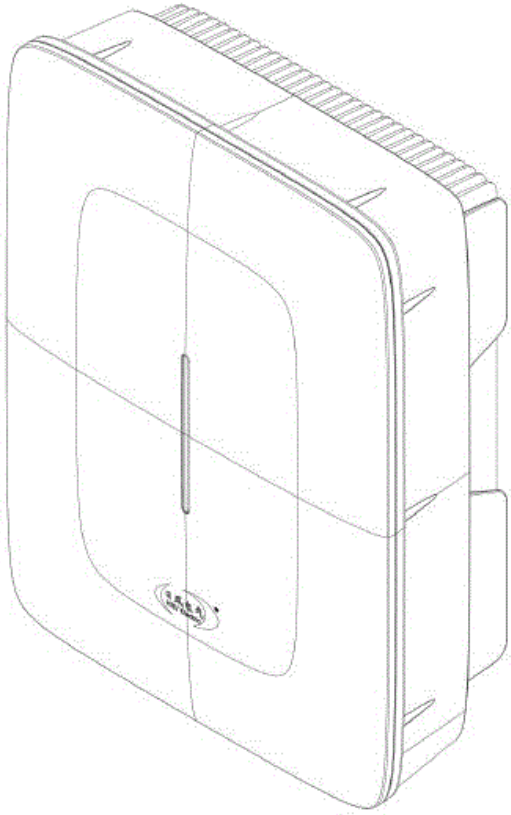
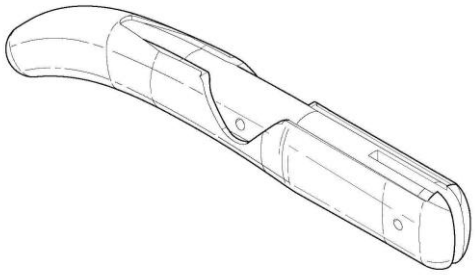


Figure 1

Three-dimensional view

21: A2024/00708 22: 2024-07-18 23:
43: 2024-04-29
52: Class 13 24: Part A
71: Zhejiang HRV Electric Co., Ltd
33: CN 31: 2024302503870 32: 2024-04-29
54: INVERTERS
57: The design is for an inverter. The inverter has a substantially cuboid shape with a front, rear, top, bottom and two side surfaces. The front surface bulges gently and has a substantially rectangular shape with rounded corners and slightly convex sides. The front surface has a central smaller substantially rectangular shape similar to the shape of the front surface with a thin and elongated upright light in its center. The rear surface of the inverter has a plurality of upright heatsink fins. The bottom surface has several connector ports and an on/off switch. The top surface, and each side surface, has a cover with three evenly spaced fastener recesses. The inverter is a household apparatus for photovoltaic and storing energy functions.

21: A2024/00710 22: 2024-07-19 23:
43: 2024-07-19
52: Class 8 24: Part A
71: VECTO TRADE 461 PROPRIETARY LIMITED
54: A BODY FOR A KNIFE
57: The design is for a body for a knife, particularly a knife having a rotary retractable blade, e.g., a manual switchblade. The body is elongate and has a rear end which curves downwardly and tapers to a rounded butt. The body has a central slot to accommodate a blade. The body has a recess in its top side to accommodate a spring (e.g., a leaf spring) such that the spring is flush with the top side of the body.



21: A2024/00711 22: 2024-07-19 23:
43: 2024-01-22
52: Class 24 24: Part A
71: Eli Lilly and Company
33: US 31: 29/924,996 32: 2024-01-22
54: MEDICATION DELIVERY DEVICES
57: The design is for medication delivery device in combination with a label. The medication delivery device includes a substantially cylindrical body having an upper part, intermediate part, and a lower part. The upper part has an elongate clip member that extends along a side of a major part thereof. An end of the elongate clip member has a rounded member on an underside thereof. The intermediate part has the label affixed thereto. The label includes an arrow graphic pointing toward the upper part and a rectangular banner. A tube having a spiral-shaped groove extends outwardly from the lower part. A circular-cylindrical knob is fitted at one end of the tube and arranged to displace the tube by a screwing motion between retracted and extended positions. The knob has radially spaced rectangular-shaped members which extend between the circular edges of the knob. A rectangular-shaped recessed portion is provided on an upper portion of the lower part, and a rectangular member that has outwardly protruding members on each of its free ends is slidingly accommodated in the recessed portion.

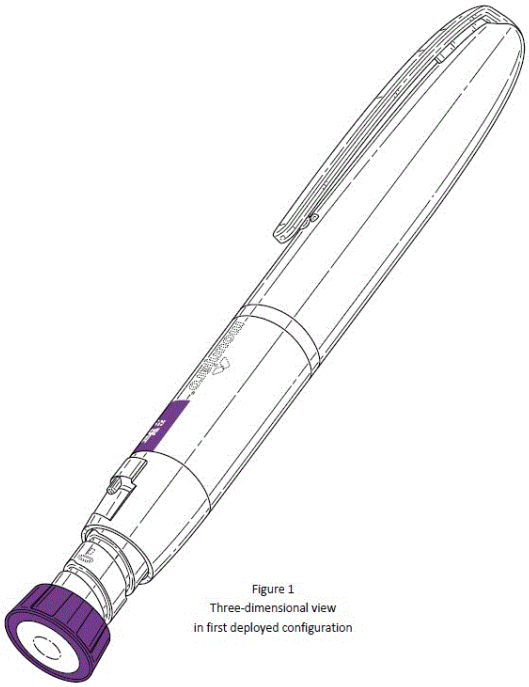


Figure 1
Three-dimensional view
in first deployed configuration

21: A2024/00713 22: 2024-07-19 23:
43: 2024-01-22
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 202430041644X 32: 2024-01-22
54: AUTOMOBILES
57: The design is for an automobile in the form of a SUV. The automobile has a large central hexagonal grille at the front. An array of diamond shaped elements are provided in the grille. A pair of air inlets are provided on either side of the grille at the bottom. A pair of horizontally arranged headlights extend towards the sides of the automobile from either side of a top portion of the grille, adjacent the hood of the automobile. A roof of the automobile has a roof rack and a roof spoiler extends rearwardly therefrom. Large wheel arches are provided on a wheelbase of the vehicle. A horizontally arranged taillight extends the width of a large rectangular trunk at the rear of the automobile and extends towards the sides of the automobile. Vertically arranged lights are provided on the rear bumper on either side of the trunk. A rear diffuser is provided at the bottom of the automobile.

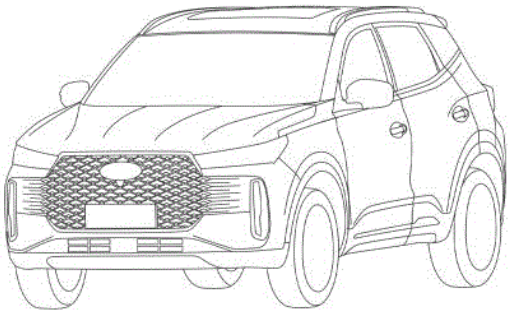


Figure 6

Three-dimensional view

21: A2024/00714 22: 2024-07-19 23:
43: 2024-01-22
52: Class 24 24: Part A
71: Eli Lilly and Company
33: US 31: 29/924,996 32: 2024-01-22
54: MEDICATION DELIVERY DEVICES
57: The design is for medication delivery device. The medication delivery device includes a substantially cylindrical body having an upper part, intermediate part, and a lower part. The upper part has a curved end and an elongate clip member extends along a side of a major part thereof. An end of the elongate clip member has a rounded member on an underside thereof which is arranged to engage a stopper element on an upper surface of the upper part. The intermediate part has the label affixed thereto. The label includes a rectangular graphic. A rectangular-shaped recessed portion is provided on upper portion of the lower part, and an elongate rectangular member, that has oblique sidewalls and edges, is slidingly accommodated in the recessed portion. An outwardly protruding member is provided on each of the free ends of the rectangular member. The number “1”, in a blocked number format, is embossed on an upper surface of the rectangular member.

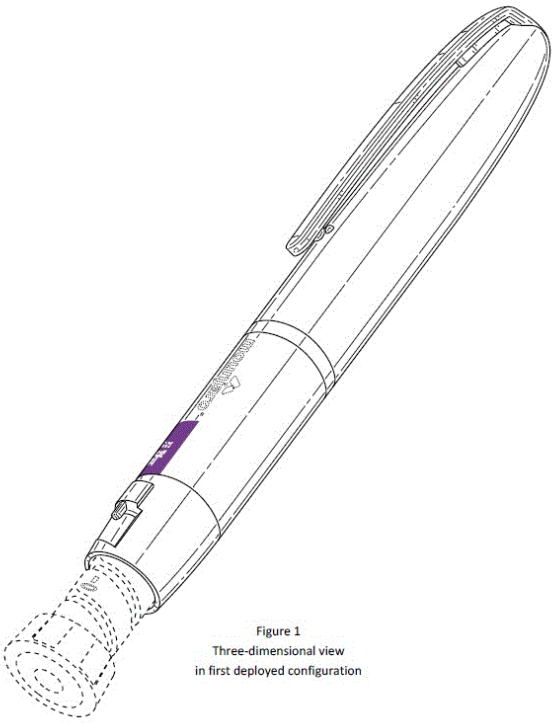


Figure 1
Three-dimensional view
in first deployed configuration

21: A2024/00715 22: 2024-07-19 23:
43: 2024-01-22
52: Class 24 24: Part A
71: Eli Lilly and Company
33: US 31: 29/924,996 32: 2024-01-22
54: MEDICATION DELIVERY DEVICES
57: The design is for medication delivery device. The medication delivery device includes a substantially rectangular-shaped recessed portion provided on an upper portion of a lower cylindrical part of the medication delivery device. An elongate rectangular member that has oblique edges and sidewalls is slidably accommodated in the recessed portion. An outwardly protruding member is provided on each of the free ends of the rectangular member. A surface of a cylindrical member is visible through the rectangular member when a retractable tube of the medication delivery device is in a retracted configuration and the rectangular member is displaced towards an end of the medication delivery device. The number “0” is provided on a lower surface of the cylindrical member and shown through the rectangular member when in the retracted configuration. The number “1” is provided on an upper surface of the cylindrical member and shown through the rectangular member when in an extended configuration. The mark “-” and “|” are provided on the surface of the cylindrical member between the “0” and “1” and shown through the

rectangular member when at positions between the retracted and extended configurations.

Figure 1
Front view in first deployed configuration

21: A2024/00716 22: 2024-07-19 23:
43: 2024-01-22
52: Class 24 24: Part A
71: Eli Lilly and Company
33: US 31: 29/924,996 32: 2024-01-22
54: MEDICATION DELIVERY DEVICES
57: The design is for medication delivery device. The medication delivery device includes a substantially cylindrical body having an upper part, intermediate part, and a lower part. A tube having a spiral-shaped groove extends outwardly from the lower part. A circular-cylindrical knob is fitted at one end of the tube and is arranged to displace the tube by a screwing motion between retracted and extended positions. A rectangular-shaped recessed portion is provided on an upper portion of the lower part, and a rectangular member is slidingly accommodated in the recessed portion. A label in the form of a pentagon shaped arrow facing the curved end spans about one-third the length of an upper portion of the intermediate part and is provided on one side of the intermediate part. A rectangular label spans the entire length of the intermediate part on another side of the upper portion of the intermediate part.

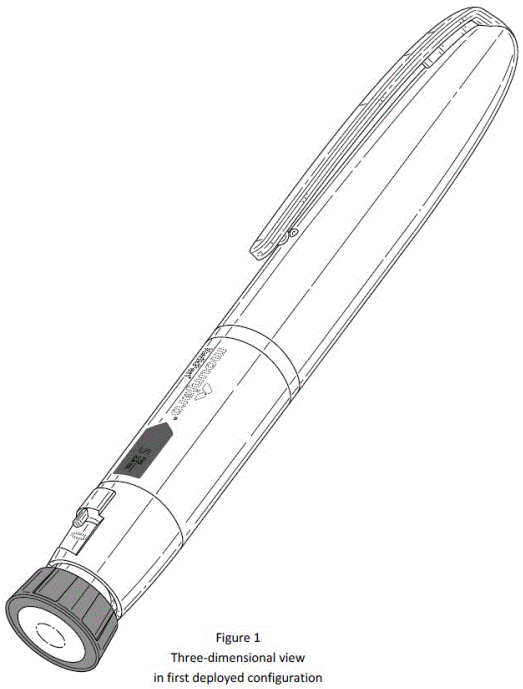


Figure 1
Three-dimensional view
in first deployed configuration

21: A2024/00717 22: 2024-07-19 23:
43: 2024-01-22
52: Class 24 24: Part A
71: Eli Lilly and Company
33: US 31: 29/924,996 32: 2024-01-22
54: MEDICATION DELIVERY DEVICES
57: The design is for medication delivery device. The medication delivery device includes a substantially cylindrical body having an upper part, intermediate part, and a lower part. The upper part has a curved end and an elongate clip member extends along a side of a major part thereof. A rectangular-shaped recessed portion is provided on an upper portion of the lower part and a rectangular member that has an outwardly protruding member on each of its free ends is slidingly accommodated in the recessed portion. A label in the form of a pentagon shaped arrow facing the curved end spans about one-third the length of an upper portion of the intermediate part and is provided on one side of the intermediate part. A rectangular label spans the entire length of the intermediate part on another side of the upper portion of the intermediate part.

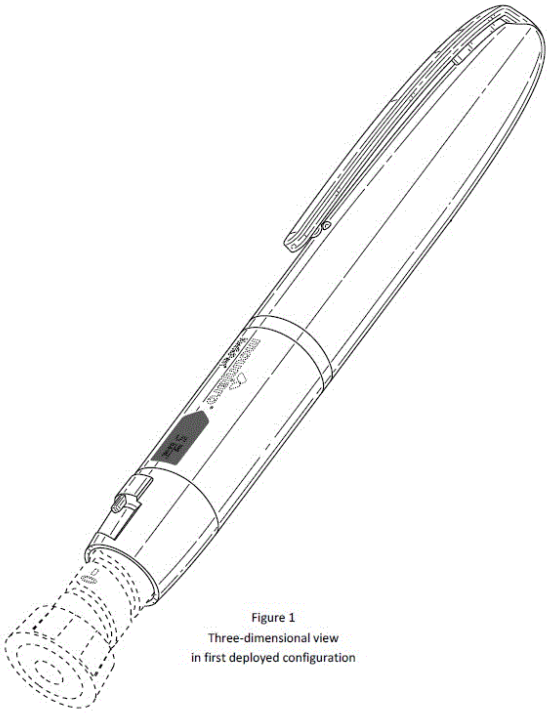


Figure 1
Three-dimensional view
in first deployed configuration

21: A2024/00718 22: 2024-07-19 23:
43: 2024-01-22
52: Class 24 24: Part A
71: Eli Lilly and Company
33: US 31: 29/924,996 32: 2024-01-22
54: MEDICATION DELIVERY DEVICES
57: The design is for medication delivery device. The medication delivery device includes an intermediate cylindrical part and a lower cylindrical part. A label in the form of a pentagon shaped arrow facing a curved end of the device spans about one-third the length of an upper portion of the intermediate part and is provided on one side of the intermediate part. A rectangular label spans the entire length of the upper portion of the intermediate part on another side thereof. A rectangular-shaped recessed portion is provided on an upper portion of the lower cylindrical part and a rectangular member that has an outwardly protruding member on each of its free ends is slidingly accommodated in the recessed portion. The rectangular member has oblique edges and sidewalls.

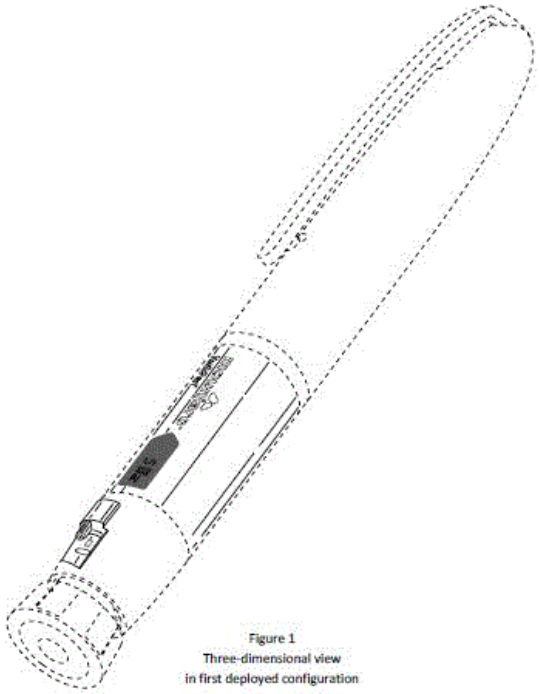
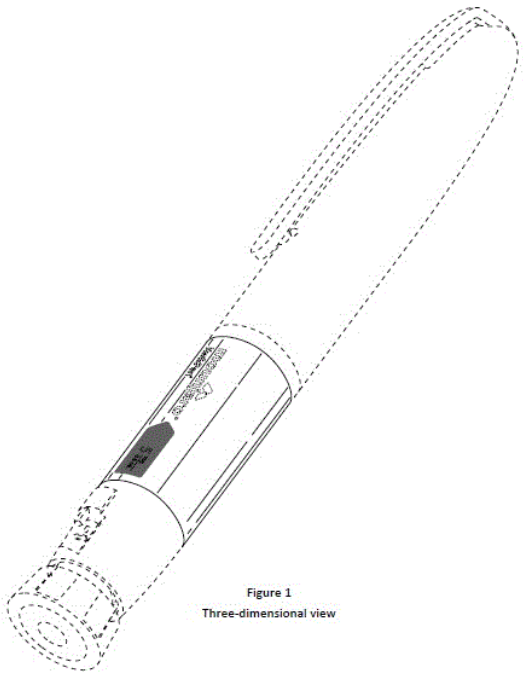


Figure 1
Three-dimensional view
in first deployed configuration

21: A2024/00719 22: 2024-07-19 23:
43: 2024-01-22
52: Class 24 24: Part A
71: Eli Lilly and Company
33: US 31: 29/924,996 32: 2024-01-22
54: MEDICATION DELIVERY DEVICES
57: The design is for medication delivery device. The medication delivery device includes an intermediate cylindrical part. A label in the form of a pentagon shaped arrow facing a curved end of the device spans about one-third the length of an upper portion of the intermediate part and is provided on one side of the intermediate part.



21: A2024/00720 22: 2024-07-19 23:
43: 2024-01-22
52: Class 24 24: Part A
71: Eli Lilly and Company
33: US 31: 29/924,996 32: 2024-01-22
54: LABELS FOR MEDICATION DELIVERY DEVICES
57: The design is for a label for a medication delivery device. The features of the design are illustrated in the overall appearance of the label. It is this overall appearance of the label that is particular to the claimed design.

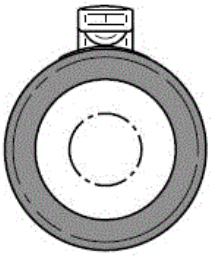
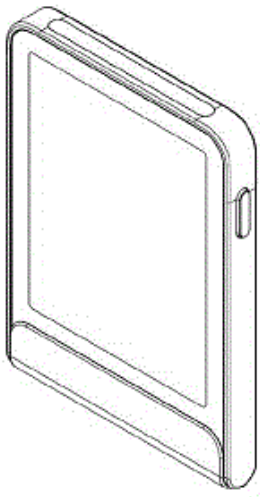


Figure 8
Illustrative bottom view
of label in use

21: A2024/00724 22: 2024-07-22 23:
43: 2025-02-10
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/929,747 32: 2024-02-23
54: Insulating Container
57: The design relates to an insulating container. The features of the design are those of shape and/or configuration and/or ornamentation.

TOP FRONT LEFT PERSPECTIVE VIEW

21: A2024/00731 22: 2024-07-23 23:
43: 2025-02-10
52: Class 14. 24: Part A
71: LEDGER
33: EM 31: 015054352-0001 32: 2024-03-20
54: Information Processing Device
57: The design relates to an information processing device. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2024/00732 22: 2024-07-23 23:

43: 2024-01-26
52: Class 23 24: Part A
71: Munters Europe Aktiebolag
33: EM(SE) 31: 015048814 32: 2024-01-26
54: AIR TREATMENT SYSTEMS
57: The design is for an air treatment system. It is the overall design of the air treatment system that is being claimed. The air treatment system generally has a parallelepiped body with narrow front and rear walls, and broader sidewalls. Each of the sidewalls have upper and lower rectangular panels and a rectangular window in each of the upper rectangular panels. Upright members, each having circular-cylindrical feet, are provided at the corners of the body. A stack of vertically spaced, horizontally arranged rectangular members are provided on an upper portion of the front wall. A pair of vertically arranged tubes are provided centrally on a lower portion of the front wall. A star-shaped member having concentric circles is fitted in a centrally located opening on an upper portion of the rear wall. A control panel and series of conduits are provided on opposite sides of an upper face of the body.

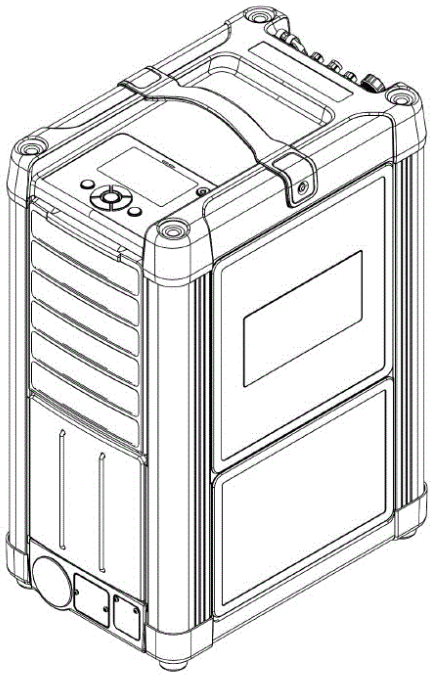


Figure 7

Three-dimensional view

21: A2024/00733 22: 2024-07-23 23:
43: 2024-01-26
52: Class 23 24: Part A

71: Munters Europe Aktiebolag
33: EM(SE) 31: 015048814 32: 2024-01-26
54: AIR TREATMENT SYSTEMS
57: The design is for an air treatment system. It is the overall design of an upper portion of the air treatment system that is being claimed. The air treatment system generally has a parallelepiped body. A rectangular face is provided on the upper face. A rectangular display screen is provided substantially at the centre of the rectangular face. Segment-shaped control buttons are provided at the bottom of the display screen. A power button is provided proximate a top corner of the rectangular face. A handle extends centrally above the upper face between front and rear faces of the body. The handle has outer rectangular members which gently taper into a central, elongate part. A series of horizontally spaced, cylindrical-shaped ports are provided, opposite the display panel, on an upper face of a sidewall of the body. The outermost ports are provided with caps.

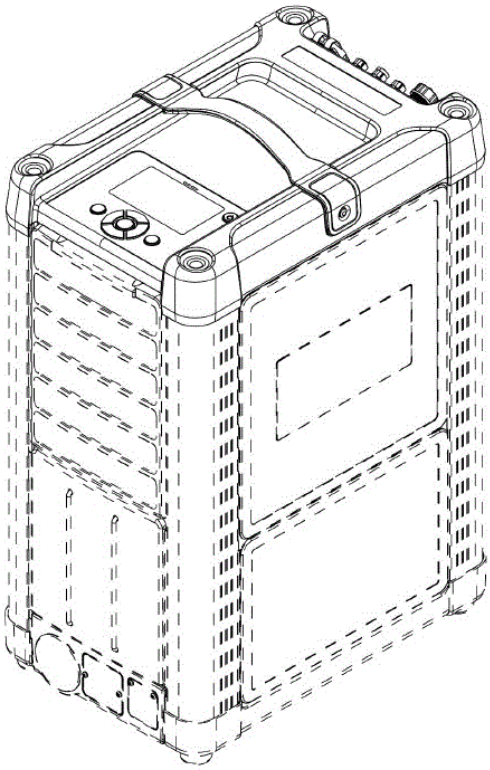


Figure 7

Three-dimensional view

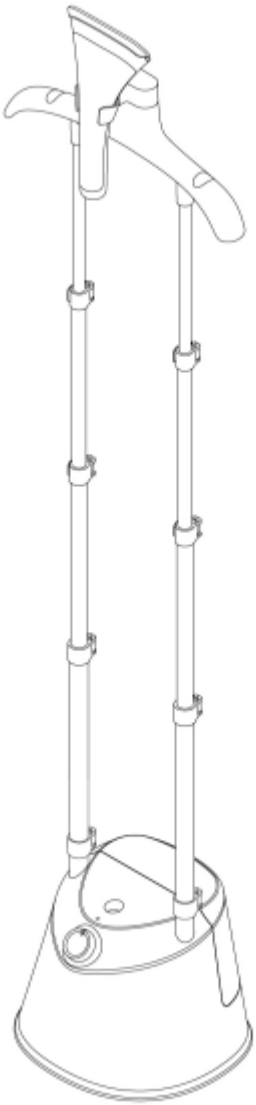
21: A2024/00734 22: 2024-07-23 23:
43: 2024-01-26

52: Class 23 24: Part A
71: Munters Europe Aktiebolag
33: EM(SE) 31: 015048814 32: 2024-01-26
54: AIR TREATMENT SYSTEMS
57: The design is for an air treatment system. It is the overall design of the air treatment system that is being claimed. The air treatment system generally has a parallelepiped body with narrow front and rear walls, and broader sidewalls. Each of the sidewalls have upper and lower rectangular panels and a rectangular window in each of the upper rectangular panels. Upright members, each having circular-cylindrical feet, are provided at the corners of the body. A stack of vertically spaced, horizontally arranged rectangular members are provided on an upper portion of the front wall. A pair of vertically arranged tubes are provided centrally on a lower portion of the front wall. A star-shaped member having concentric circles is fitted in a centrally located opening on an upper portion of the rear wall. A control panel and series of conduits are provided on opposite sides of an upper face of the body.

Figure 7

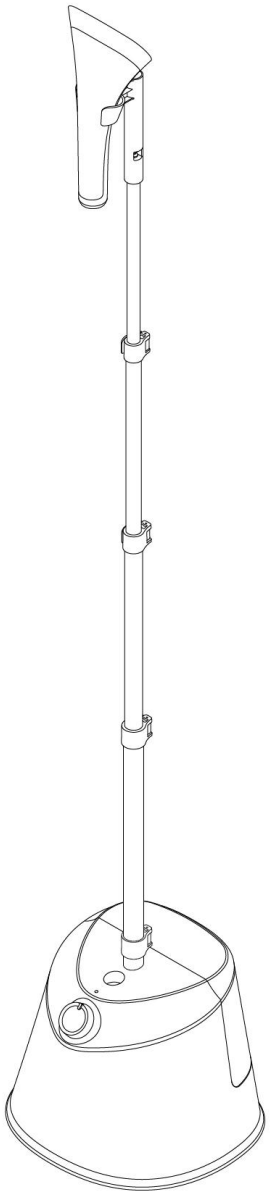
Three-dimensional view

21: A2024/00737 22: 2024-07-26 23:
43: 2025-02-10
52: Class 07 24: Part A
71: Versuni Holding B.V.
33: EU 31: 015049306-0002 32: 2024-02-01
54: GARMENT STEAMER
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a GARMENT STEAMER as shown in the accompanying representations, irrespective of the features shown in broken lines.

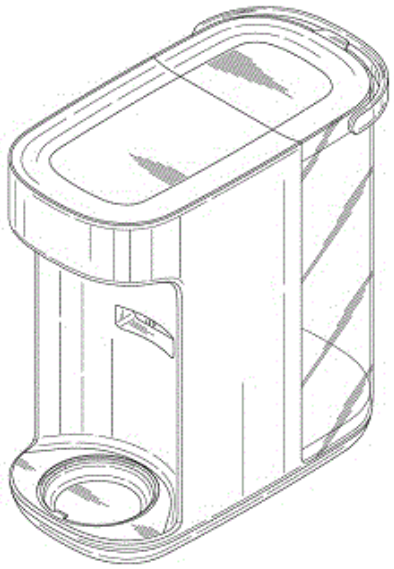


21: A2024/00738 22: 2024-07-26 23:
43: 2025-02-10
52: Class 07 24: Part A
71: Versuni Holding B.V.
33: EU 31: 015049306-0001 32: 2024-02-01
54: GARMENT STEAMER
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a GARMENT

STEAMER as shown in the accompanying representations, irrespective of the features shown in broken lines.



21: A2024/00739 22: 2024-07-26 23:
43: 2025-02-10
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/930,673 32: 2024-03-01
54: Beverage Dispenser
57: The design relates to a beverage dispenser. The features of the design are those of shape and/or configuration and/or ornamentation.



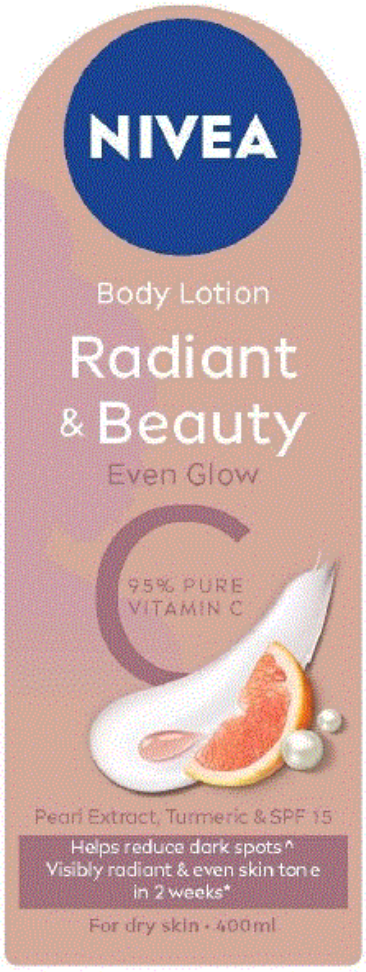
FRONT, TOP AND RIGHT SIDE PERSPECTIVE VIEW

21: A2024/00740 22: 2024-07-26 23:
43: 2024-01-29
52: Class 12 24: Part A
71: Chery Automobile Co., Ltd.
33: CN 31: 202430058903X 32: 2024-01-29
54: AUTOMOBILES
57: The design is for an automobile in the form of a sport utility vehicle. The front fascia of the vehicle is equipped with a large, waterfall-style front grille, presenting a square and steady visual impression. Headlights on both sides of the grille have a narrow and elongated design . A wide U-shaped feature is provided below the grille and headlights. The roof has a slight declination front to rear, with a straight spoiler projecting rearwardly therefrom; sides of the vehicle provide a floating roof effect. The rear has a boot lid with two substantially rectangular and laterally positioned taillights extending onto the body laterally, which echo the headlights. A rear bumper has a subtle diffuser.

Figure 6

Three-dimensional view

21: A2024/00744 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS
57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has a salmon colour with a pink silhouette of a female figure, and includes white and puce text. The design further includes a blue circle at its top and a large “C” with a curved white smudge juxtaposing the “C” in part, and further includes a pink droplet and a citrus wedge on the white smudge and two white pearls besides the citrus wedge.



Single Figure

Front view

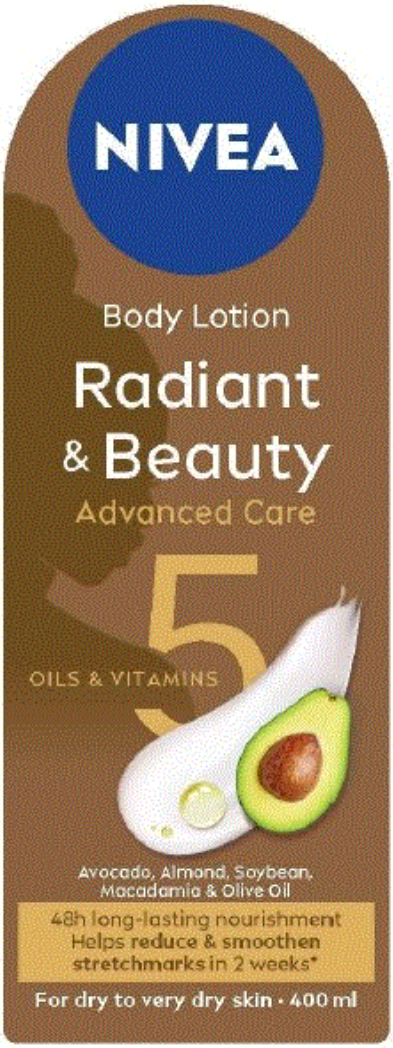
21: A2024/00745 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS
57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has a royal blue colour with white and orange writing. The design further includes a blue circle at its top extremity, and distinctive and distinctive gold “Q10”

lettering with a blue shadow, a citrus wedge and two arcuate dotted lines projecting upwardly from the citrus wedge.

Single Figure

Front view

21: A2024/00746 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS
57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has a brown colour with a darker brown silhouette of a female figure, and further includes white and mustard text. The design further includes a blue circle at its top extremity, and a large “5” with a curved white smudge overlapping the “5” in part, and further includes two pale yellow droplets and a half avocado on the white smudge.

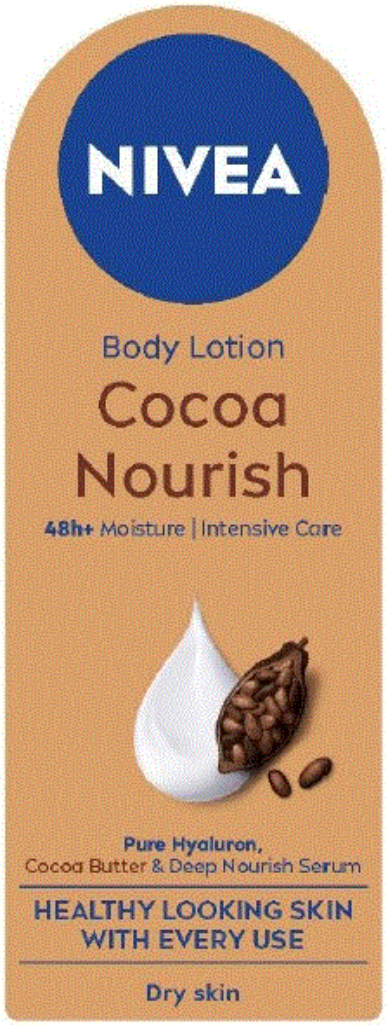


Single Figure

Front view

21: A2024/00747 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS
57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has an ochre colour with blue and brown. The design further

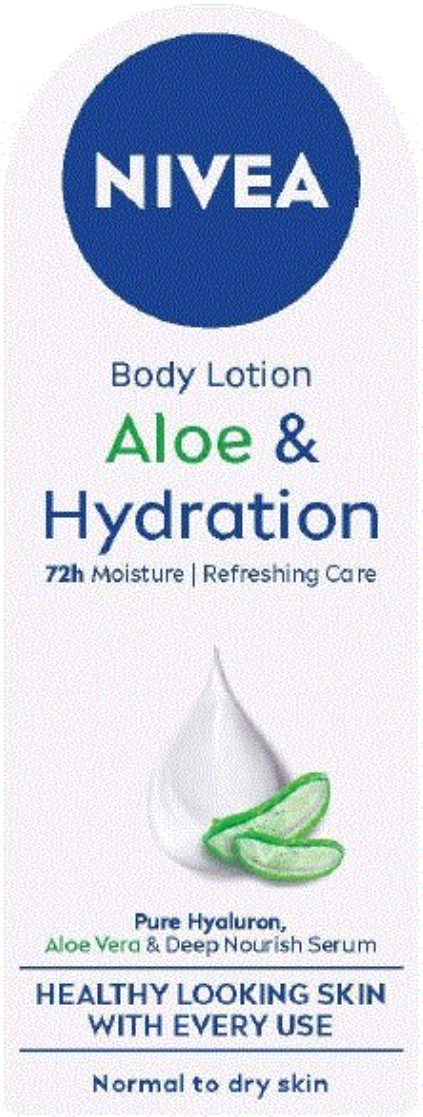
includes a blue circle at its top extremity, and further includes a white teardrop shape with a halved brown cocoa pod juxtaposing the teardrop and two brown cocoa beans beside the cocoa pod.



Single Figure

Front view

57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has a light lavender colour with blue and green writing. The design further includes a blue circle at its top extremity, and a white teardrop shape with green thinly sliced Aloe Vera overlapping the teardrop in part.



Single Figure

Front view

21: A2024/00748 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS

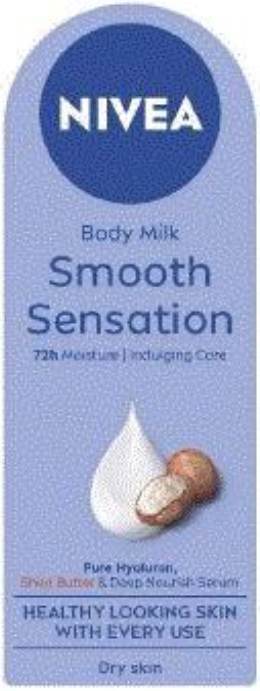
21: A2024/00749 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS
57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has a light lavender colour with blue, white, and scarlett writing,. The design further has a rectangular transverse grey block at its lower extremity and a rectangular transverse scarlett block thereabove, both with text therein. The design further includes a blue circle at its top extremity, and a teardrop shape with a red and blue broken outline of a plus sign overlapping the teardrop in part.

Single Figure

Front view

21: A2024/00750 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS
57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has a cool

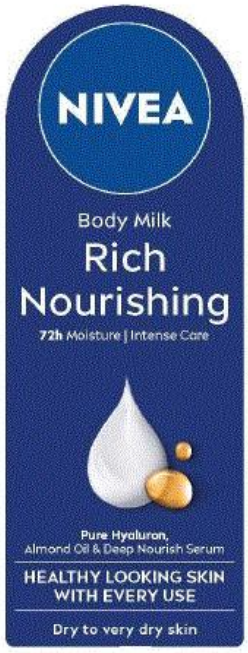
blue colour with blue and ochre writing. The design further includes a blue circle at its top extremity, and a white teardrop shape with a half shea nut overlapping the teardrop in part, and a whole shea nut beside the teardrop.



Single Figure

Front view

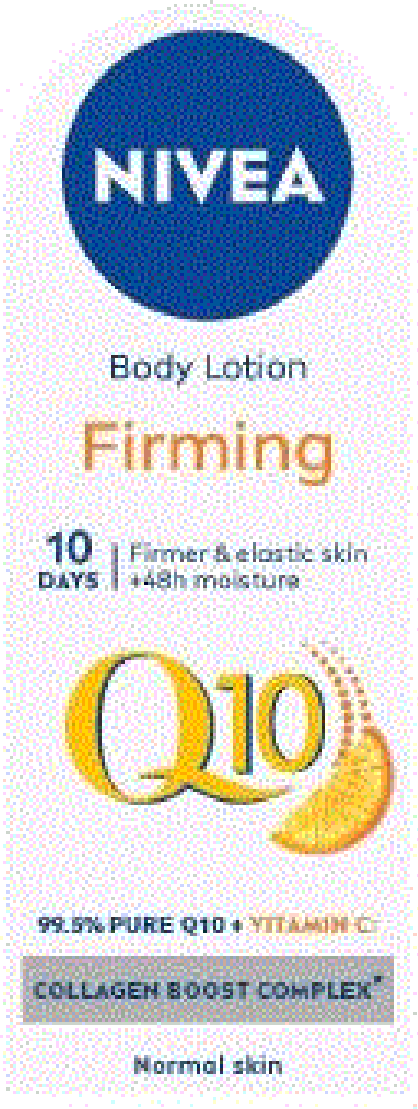
21: A2024/00751 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS
57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has a royal blue colour with white writing. The design further includes a blue circle at its top extremity with a thin white border, and a white teardrop shape with an oval droplet overlapping the teardrop in part, and a smaller round droplet beside the teardrop.



Single Figure

Front view

21: A2024/00753 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS
57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has a light lavender colour with blue and orange writing. The design further includes a blue circle at its top extremity, and distinctive gold “Q10” lettering with a blue shadow, a citrus wedge and two arcuate dotted lines projecting upwardly from the citrus wedge.

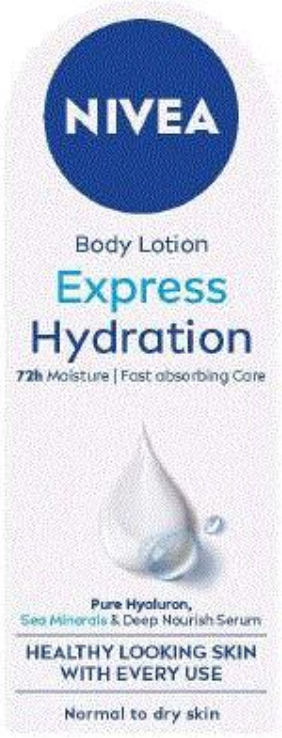


Single Figure

Front view

21: A2024/00754 22: 2024-07-29 23:
43: 2024-06-26
52: Class 32 24: Part A
71: Beiersdorf AG
33: HSIRID(DE) 31: DM/238256 32: 2024-06-26
54: GRAPHIC DESIGNS

57: The design is for graphic designs having an elongate shape with a rounded top and a square bottom with rounded corners. The design has a light lavender colour with blue and cerulean writing. The design further includes a blue circle at its top extremity, and a white teardrop shape with an oval shaped translucent droplet overlapping the teardrop in part, and a smaller oval shaped droplet beside the teardrop.



Single Figure

Front view

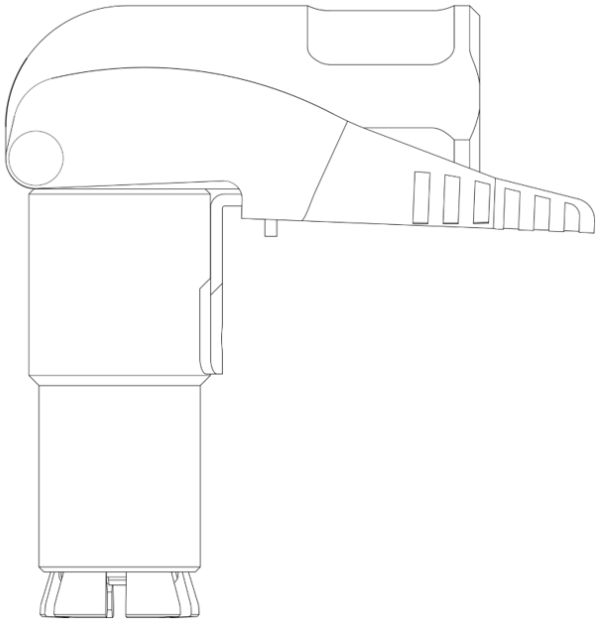
21: A2024/00755 22: 2024-07-30 23:
43: 2025-02-10
52: Class 10. 24: Part A
71: OMEGA SA (OMEGA AG) (OMEGA LTD.)
33: IB 31: 145969 32: 2024-03-15
54: Watch
57: The design relates to a watch. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

FRONT VIEW

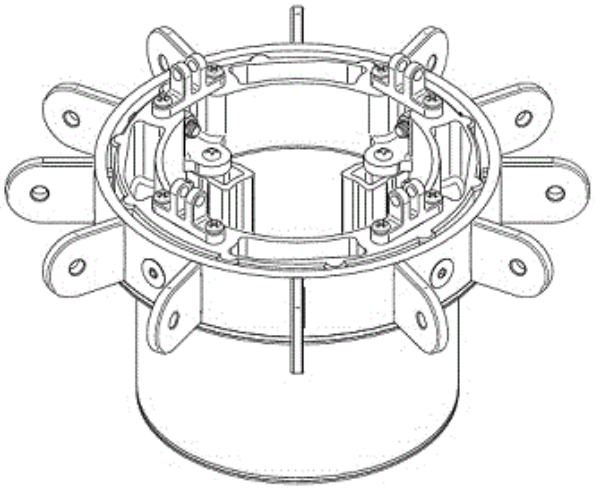
21: A2024/00756 22: 2024-07-30 23:
43: 2025-02-10
52: Class 10. 24: Part A
71: OMEGA SA (OMEGA AG) (OMEGA LTD.)
33: IB 31: 145969 32: 2024-03-15
54: Watch
57: The design relates to a watch. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

FRONT VIEW

21: A2024/00759 22: 2024-07-31 23:
43: 2025-02-14
52: Class 15 24: Part A
71: GURTECH (PTY) LTD
33: US 31: 29/927,096 32: 2024-02-02
54: 90 DEGREE AIR CHUCK
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of an air chuck, substantially as illustrated in Figures 1 to 18 of the accompanying representations.

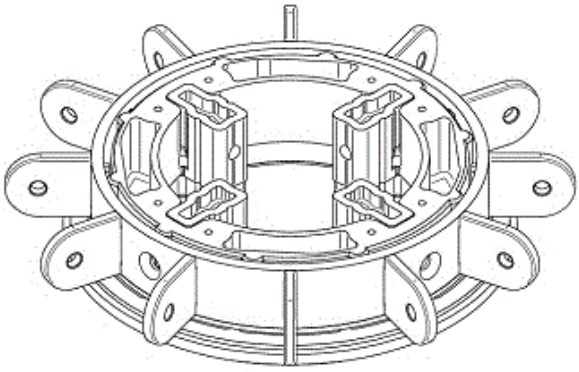


21: A2024/00767 22: 2024-07-31 23:
43: 2025-02-10
52: Class 3. 24: Part A
71: CLARKE, DOUGAN H.
33: US 31: 29/926,737 32: 2024-01-31
54: Lower Umbrella Hub Assembly
57: The design relates to a lower umbrella hub assembly. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP PERSPCTIVE VIEW

21: A2024/00768 22: 2024-07-31 23:
43: 2025-02-10
52: Class 3. 24: Part A
71: CLARKE, DOUGAN H.
33: US 31: 29/926,740 32: 2024-01-31
54: Upper Umbrella Hub Assembly
57: The design relates to an upper umbrella hub assembly. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP PERSPECTIVE VIEW

21: A2024/00769 22: 2024-07-31 23:
43: 2024-01-31
52: Class 09 24: Part A
71: Chanel Limited
33: GB 31: 6343478 32: 2024-01-31
54: CONTAINERS
57: The design is a container, specifically a bottle. The bottle is ellipsoidal, having a longer upright axis, a medium side-to-side axis, and a notably shorter front-to-back axis (thus appearing compressed inside view). The bottle comprises a continuous body and lid, the body being a lower two thirds of the ellipsoid and the lid being an upper third, the lid being removable from the body.

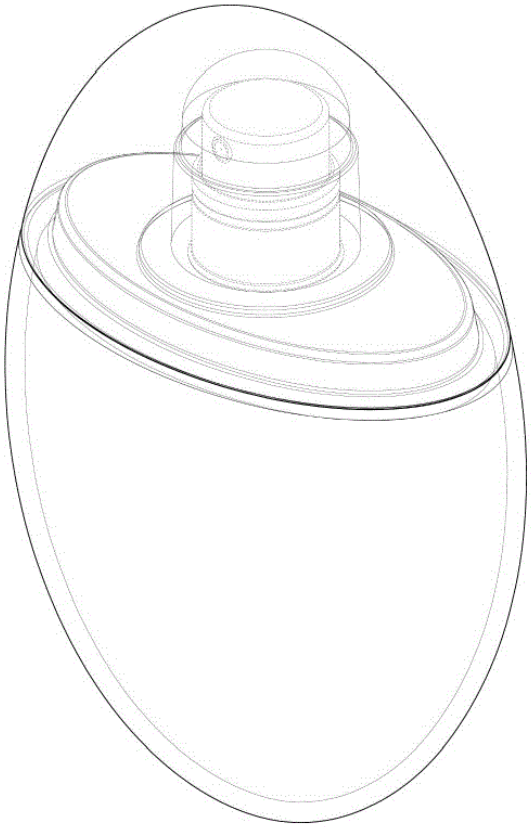


Figure 1

Three-dimensional view

21: A2024/00770 22: 2024-07-31 23:
43: 2024-01-31
52: Class 28 24: Part A
71: Chanel Limited
33: GB 31: 6343478 32: 2024-01-31
54: CONTAINERS
57: The design is a container, specifically a bottle. The bottle is ellipsoidal, having a longer upright axis, a medium side-to-side axis, and a notably shorter front-to-back axis (thus appearing compressed inside view). The bottle comprises a continuous body and lid, the body being a lower two thirds of the ellipsoid and the lid being an upper third, the lid being removable from the body.

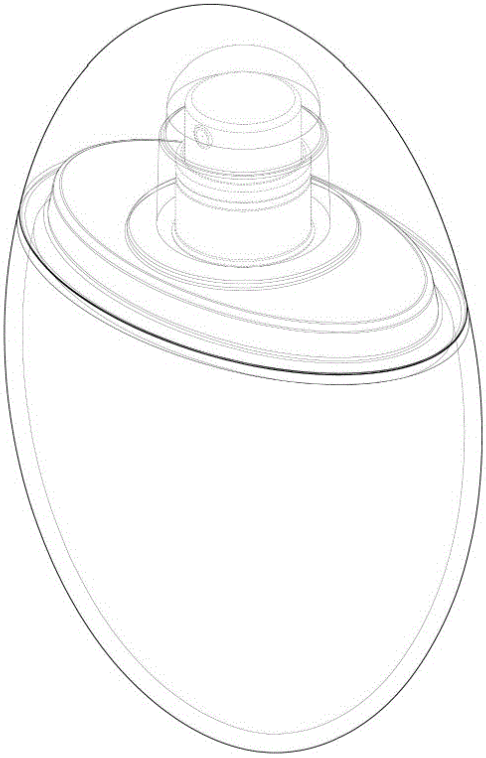
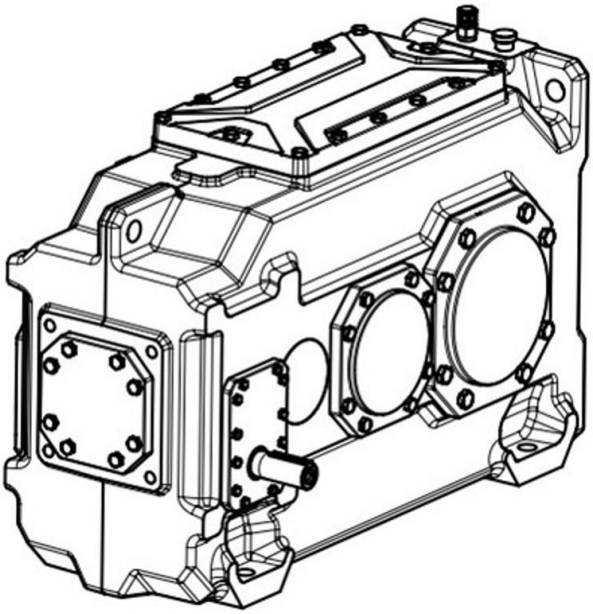


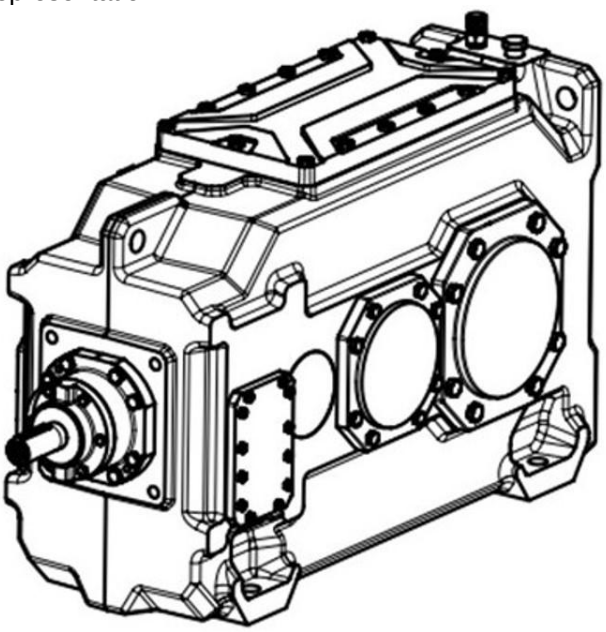
Figure 1

Three-dimensional view

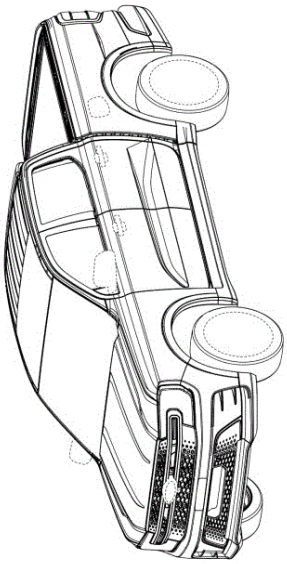
21: A2024/00772 22: 2024-07-31 23:
43: 2025-03-06
52: Class 12 24: Part A
71: FLENDER INDUSTRIEGETRIEBE GMBH
33: EU 31: 015050255-0003 32: 2024-02-14
54: GEARBOX CASING
57: The design is applied to a gearbox casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gearbox casing, substantially as illustrated in the accompanying representation.



21: A2024/00773 22: 2024-08-01 23:
43: 2025-03-06
52: Class 12 24: Part A
71: FLENDER INDUSTRIEGETRIEBE GMBH
33: EU 31: 015050255-0004 32: 2024-02-14
54: GEARBOX CASING
57: The design is applied to a gearbox casing. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the gearbox casing, substantially as illustrated in the accompanying representation.

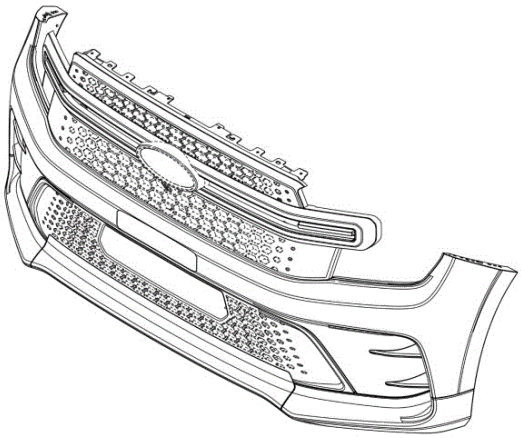


21: A2024/00798 22: 2024-08-12 23:
43: 2025-03-06
52: Class 12 24: Part A
71: EDWARD DAVIES COMMERCIALS LIMITED
33: GB 31: 6346522 32: 2024-02-13
54: VEHICLE
57: The design is to be applied to a vehicle. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.



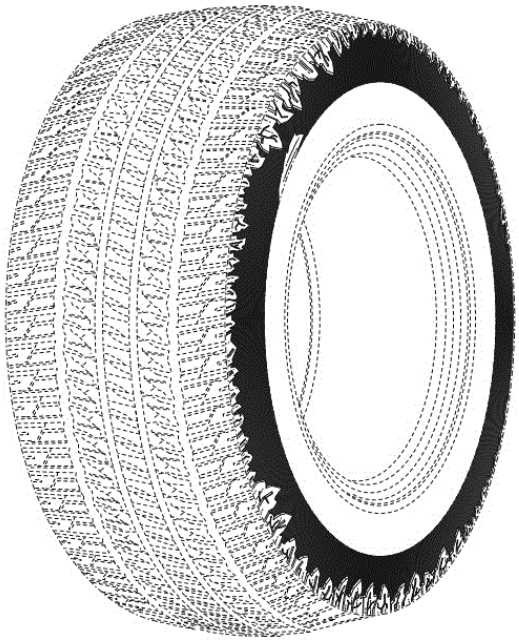
PERSPECTIVE VIEW

21: A2024/00799 22: 2024-08-12 23:
43: 2025-03-06
52: Class 12 24: Part A
71: EDWARD DAVIES COMMERCIALS LIMITED
33: GB 31: 6346525 32: 2024-02-13
54: FRONT BUMPER WITH GRILLE FOR A VEHICLE
57: The design is to be applied to a front bumper with grille for a vehicle. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.



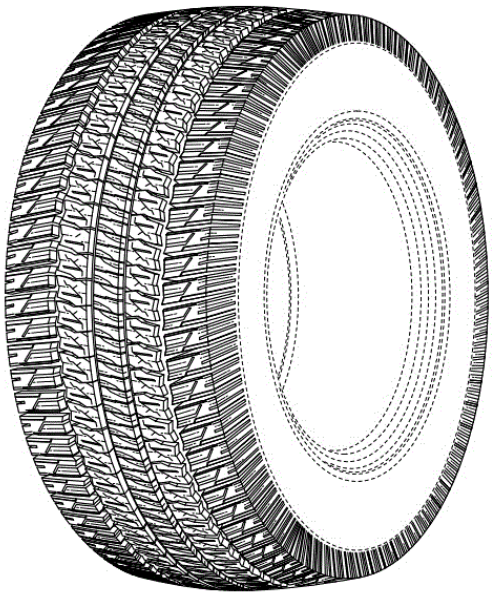
PERSPECTIVE VIEW

21: A2024/00808 22: 2024-08-15 23:
43: 2025-03-06
52: Class 12 24: Part A
71: OMNI UNITED (S) PTE LTD
33: US 31: 29/954,518 32: 2024-07-26
54: TYRE SIDEWALL
57: The design is to be applied to a tyre sidewall. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.



PERSPECTIVE VIEW

21: A2024/00809 22: 2024-08-15 23:
43: 2025-03-08
52: Class 12 24: Part A
71: OMNI UNITED (S) PTE LTD
33: US 31: 29/954,515 32: 2024-07-26
54: TYRE TREAD
57: The design is to be applied to a tyre tread. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.



FRONT AND RIGHT PERSPECTIVE VIEW

21: A2024/00812 22: 2024-08-16 23:
43: 2025-03-06
52: Class 09 24: Part A
71: DWERGIE INVESTMENT TRUST
54: A LID FOR A CONTAINER
57: The design is applied to a lid for 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 a lid, substantially as illustrated in the accompanying representation.

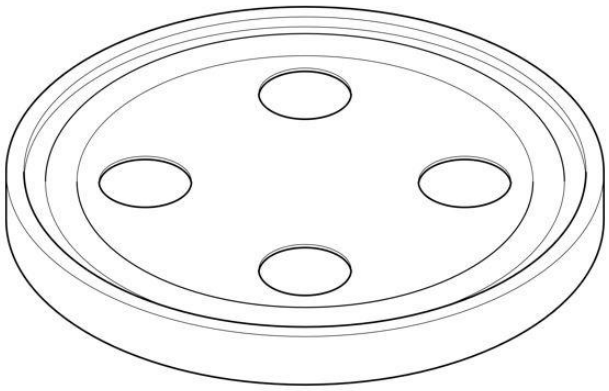
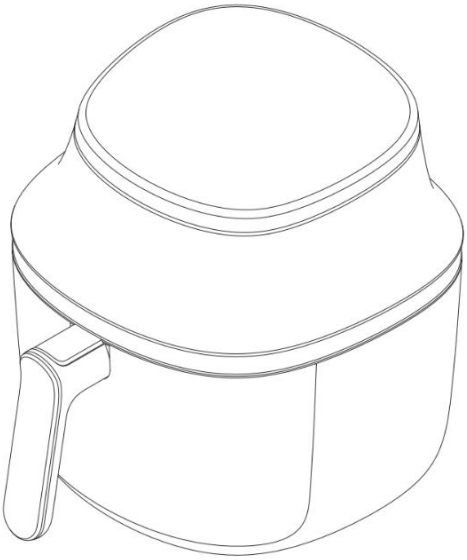


FIG. 1: FIRST THREE-DIMENSIONAL VIEW OF A LID AS VIEWED FROM ABOVE

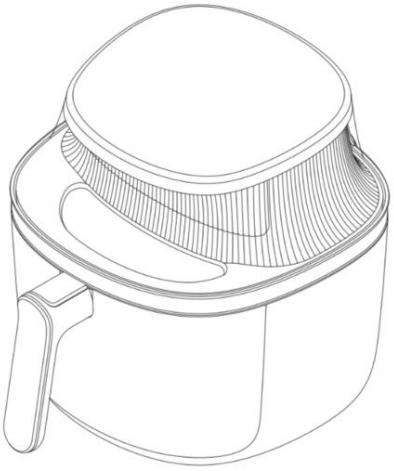
21: A2024/00829 22: 2024-08-26 23:
43: 2025-03-06
52: Class 08 24: Part A

71: ATLAS PLASTICS (PTY) LIMITED
54: HYDROPONIC TOWER STACKING SEGMENT
57: The features of the design for which protection is claimed reside in the shape, pattern, configuration and/or ornamentation of a hydroponic tower stacking segment substantially as illustrated in the accompanying drawings. Each stacking segment comprises a cylindrical side wall with a number of plant-receiving formations circumferentially extending about the side wall, a dome-shaped top wall, and a complimentarily configured dome-shaped bottom wall. Any number of segments are axially stacked atop each other such that the dome-shaped bottom wall of one segment rests atop the dome-shaped top wall of a neighbouring segment to form a hydroponic tower.

21: A2024/00835 22: 2024-08-27 23:
43: 2025-03-06
52: Class 07 24: Part A
71: Versuni Holding B.V.
33: EU 31: 015052116-0003 32: 2024-02-28
54: AIR FRYER
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a AIR FRYER as shown in the accompanying representations, irrespective of the features shown in broken lines.



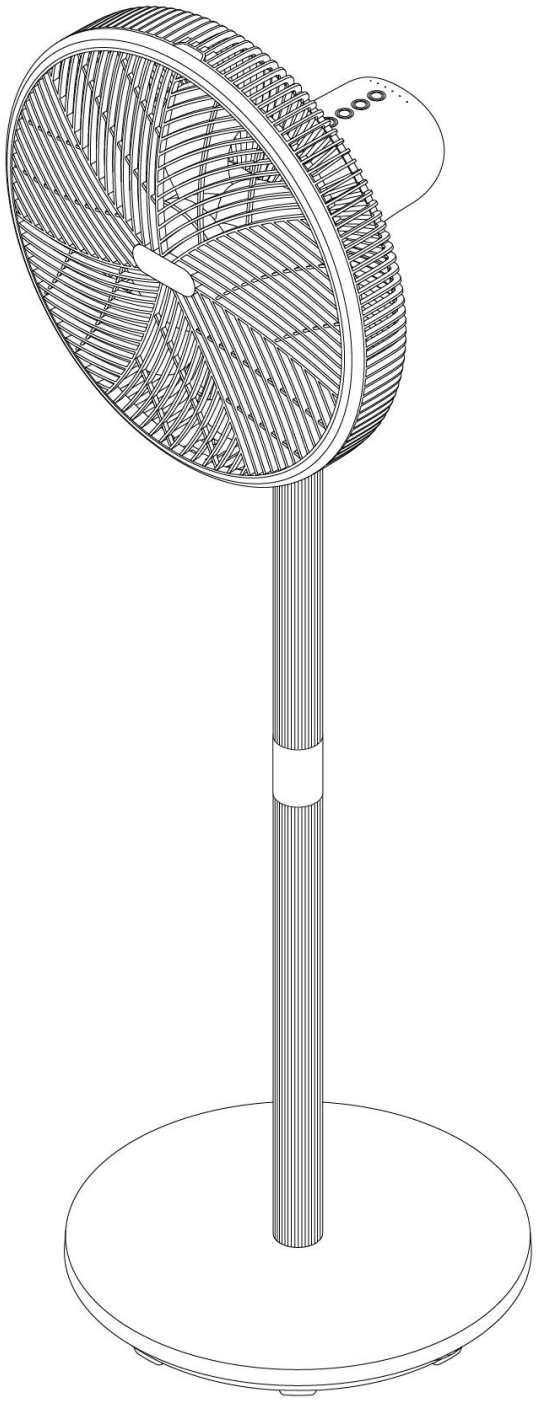
21: A2024/00836 22: 2024-08-27 23:
43: 2025-03-06
52: Class 07 24: Part A
71: Versuni Holding B.V.
33: EU 31: 015052116-0001 32: 2024-02-28
54: AIR FRYER
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a AIR FRYER as shown in the accompanying representations, irrespective of the features shown in broken lines.



21: A2024/00840 22: 2024-08-28 23:
43: 2025-03-06
52: Class 13 24: Part A
71: Guangzhou Sanjing Electric Co., Ltd.
54: ALL-IN-ONE ENERGY STORAGE CABINET

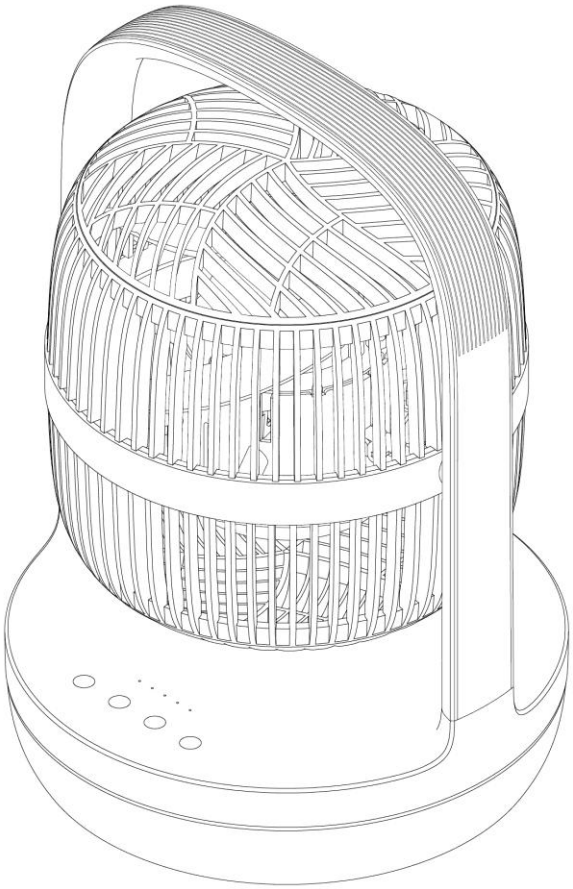
57: The features of the design for which protection is claimed reside in the shape and/or configuration of an all-in-one energy storage cabinet, substantially as shown in the accompanying representations.

21: A2024/00885 22: 2024-09-11 23:
43: 2025-04-08
52: Class 23 24: Part A
71: Versuni Holdings B.V.
33: EU 31: 015053940-0001 32: 2024-03-18
54: VENTILATING FANS
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a VENTILATING FAN as shown in the accompanying representations, irrespective of the features shown in broken lines.

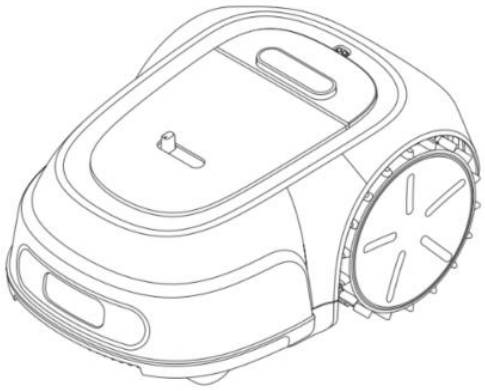


21: A2024/00886 22: 2024-09-11 23:
43: 2025-04-08
52: Class 23 24: Part A
71: Versuni Holding B.V.
33: EU 31: 015053940-0009 32: 2024-03-18
54: VENTILATING FAN

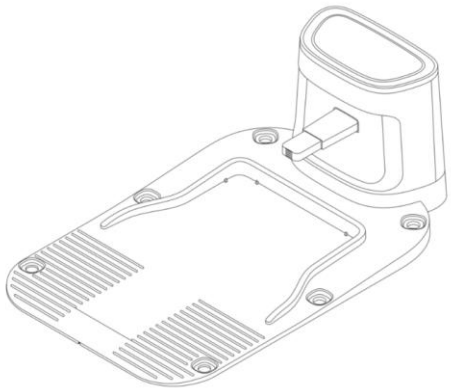
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a VENTILATING FAN as shown in the accompanying representations, irrespective of the features shown in broken lines.



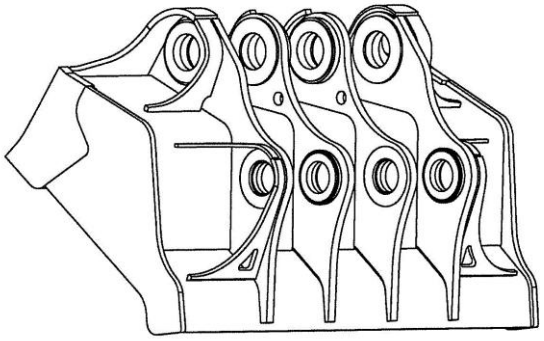
21: A2024/00890 22: 2024-09-16 23:
43: 2025-04-08
52: Class 15 24: Part A
71: Versuni Holding B.V.
33: EU 31: 015054208-0001 32: 2024-03-21
54: ROBOTIC LAWN MOWERS
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a Robotic lawn mower as shown in the accompanying representations, irrespective of the features shown in broken lines.



21: A2024/00891 22: 2024-09-16 23:
43: 2025-02-10
52: Class 15 24: Part A
71: Versuni Holding B.V.
33: EU 31: 015054208-0004 32: 2024-03-21
54: ROBOTIC LAWN MOWERS
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a Robotic lawn mower as shown in the accompanying representations, irrespective of the features shown in broken lines.

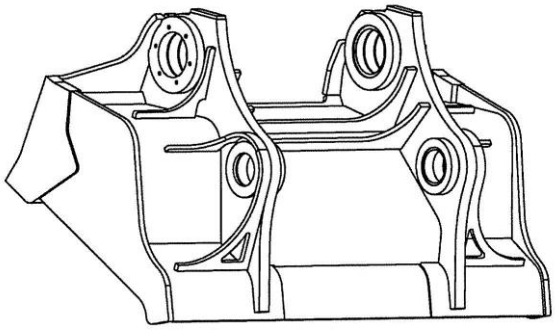


21: F2019/01795 22: 2019-12-12 23:
43: 2025-04-11
52: Class 15 24: Part F
71: AUSTIN ENGINEERING LTD
33: AU 31: 201913726 32: 2019-07-03
54: REUSABLE UPPER SECTION OF AN EXCAVATOR BUCKET
57: The design is to be applied to a reusable upper section of an excavator bucket. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.



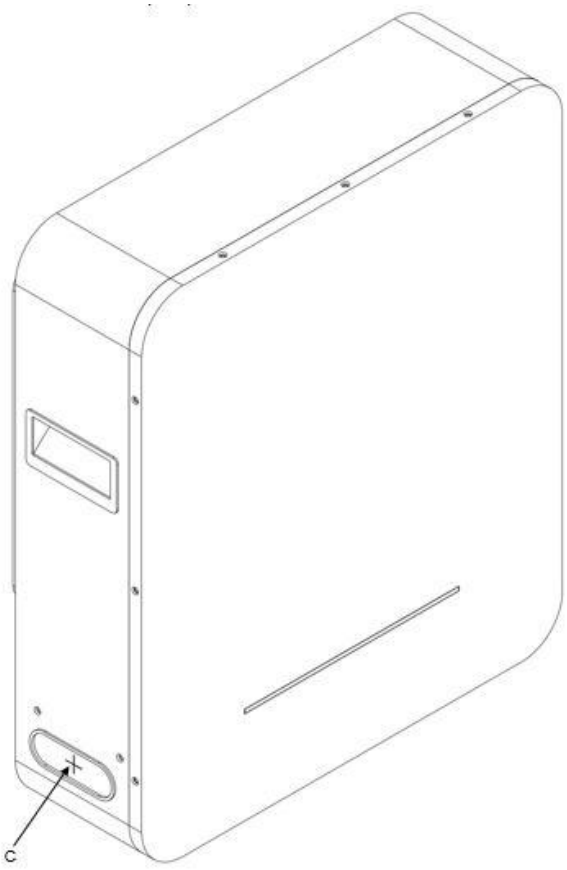
TOP REAR PERSPECTIVE VIEW
OF UPPER SECTION

21: F2019/01796 22: 2019-12-12 23:
43: 2025-04-11
52: Class 15 24: Part F
71: AUSTIN ENGINEERING LTD
33: AU 31: 201913728 32: 2019-07-03
54: REUSABLE UPPER SECTION OF AN EXCAVATOR BUCKET
57: The design is to be applied to a reusable upper section of an excavator bucket. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.

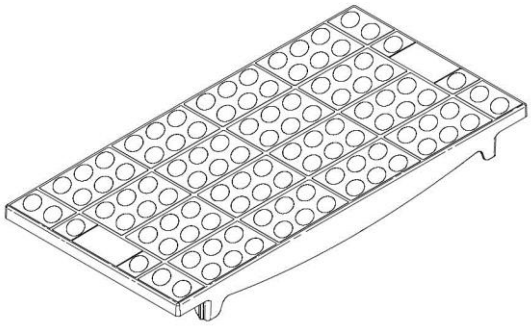


TOP REAR PERSPECTIVE VIEW
OF UPPER SECTION

21: F2024/00346 22: 2024-04-09 23:
43: 2025-03-06
52: Class 13 24: Part F
71: HUBBLE ENERGY (PTY) LTD
54: BATTERY ENCLOSURE
57: The design is applied to a battery enclosure. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the battery enclosure, substantially as illustrated in the accompanying representation.

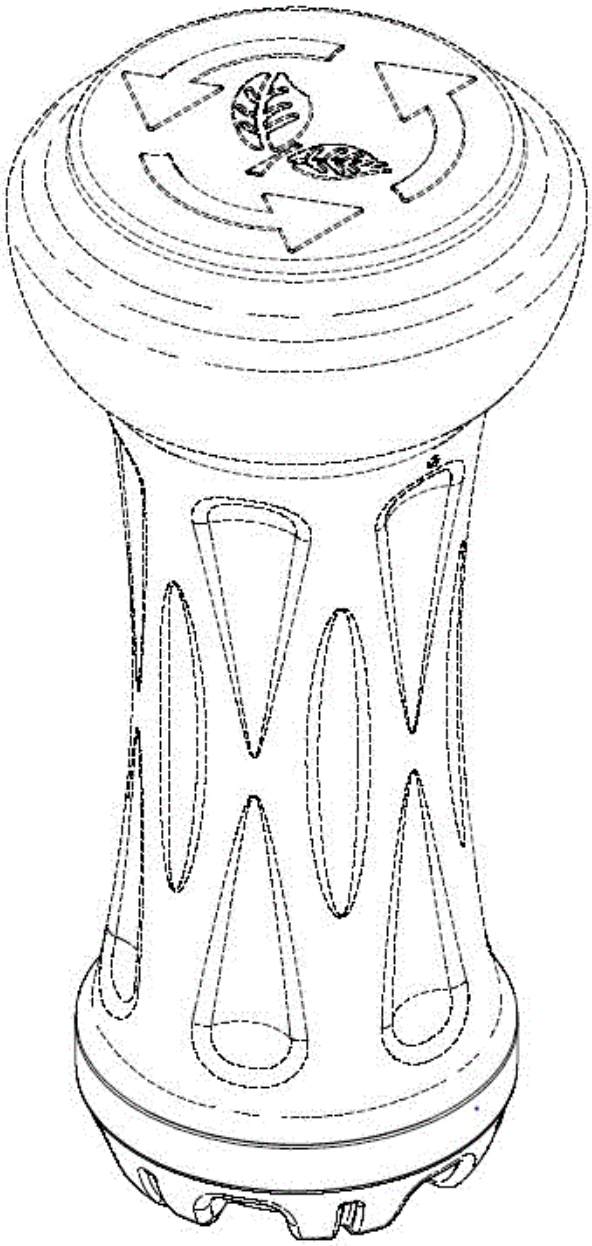


21: F2024/00508 22: 2024-05-30 23:
43: 2024-05-30
52: Class 6 24: Part F
71: SUPERCART SOUTH AFRICA (PTY) LTD
54: SHELF SLAT
57: The design is applied to a shelf slat for a shelf rack. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern and/or ornamentation of a shelf slat, substantially as illustrated in the accompanying representations.



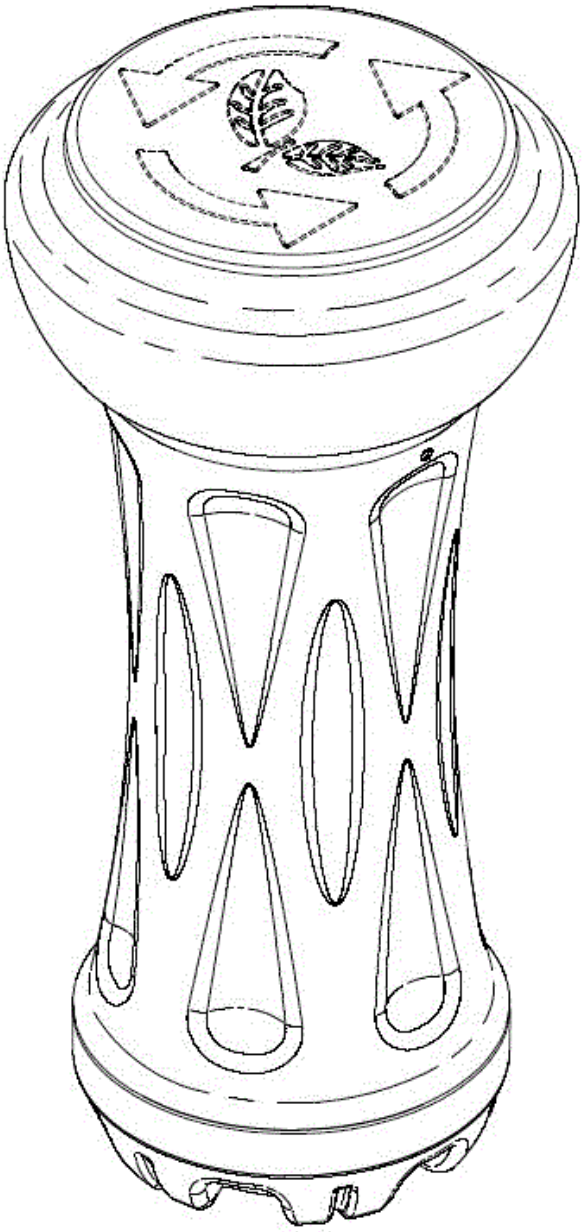
Three-dimensional view from top

21: F2024/00542 22: 2024-06-11 23:
43: 2023-12-20
52: Class 9 24: Part F
71: CONTROL CHEMICALS (PTY) LTD
54: FLOATING CHEMICAL DISPENSING CONTAINERS
57: The features of the design for which protection is claimed reside in the shape and/or configuration of a floating chemical dispensing container, substantially as illustrated in the accompanying representations, in which those features shown in broken lines do not form an essential part of the design and are disclaimed.

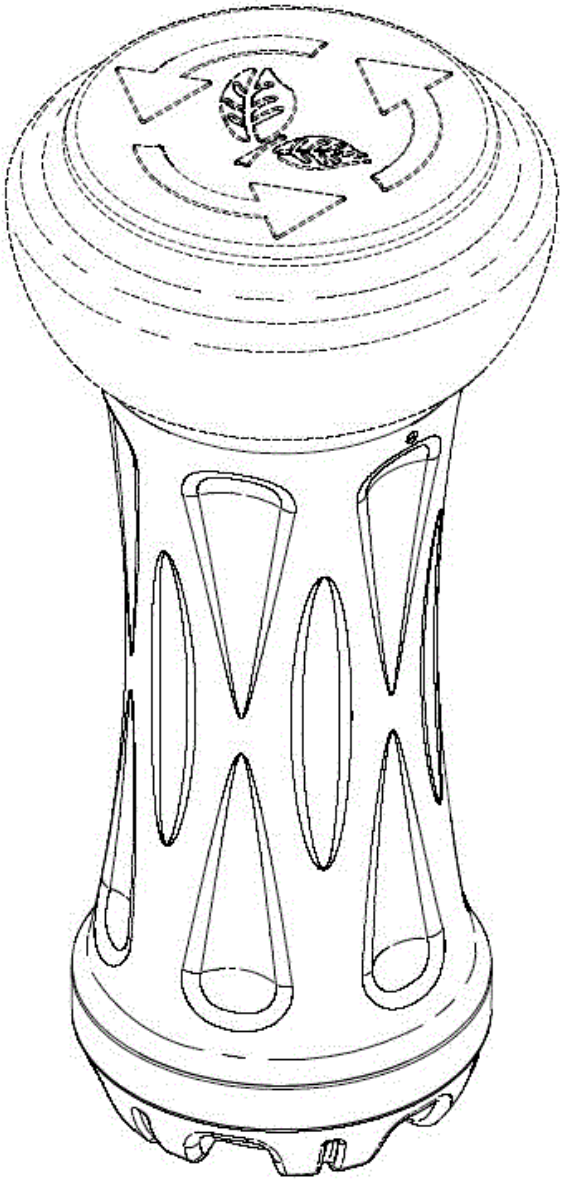


21: F2024/00543 22: 2024-06-11 23:
43: 2023-12-20
52: Class 9 24: Part F
71: CONTROL CHEMICALS (PTY) LTD
54: FLOATING CHEMICAL DISPENSING CONTAINERS
57: The features of the design for which protection is claimed reside in the shape and/or configuration of a floating chemical dispensing container, substantially as illustrated in the accompanying representations, in which those features shown in broken lines do not

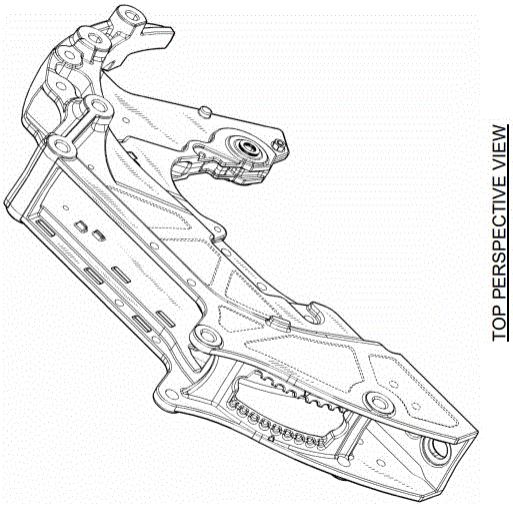
form an essential part of the design and are disclaimed.



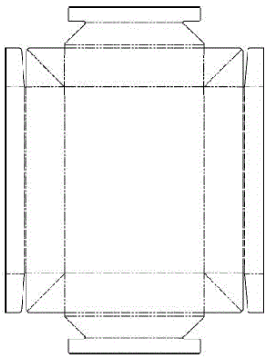
21: F2024/00544 22: 2024-06-11 23:
43: 2023-12-20
52: Class 9 24: Part F
71: CONTROL CHEMICALS (PTY) LTD
54: FLOATING CHEMICAL DISPENSING CONTAINERS
57: The features of the design for which protection is claimed reside in the shape and/or configuration of a floating chemical dispensing container, substantially as illustrated in the accompanying representations, in which those features shown in broken lines do not form an essential part of the design and are disclaimed.



21: F2024/00585 22: 2024-06-19 23:
43: 2025-03-06
52: Class 15 24: Part F
71: PRECISION PLANTING LLC
33: US 31: 29/907,691 32: 2024-01-08
54: PLANTER ROW UNIT FRAME
57: The design is to be applied to a planter row unit frame. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.

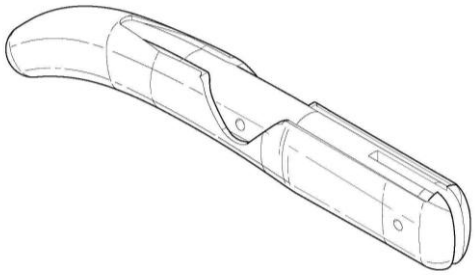


21: F2024/00658 22: 2024-07-01 23:
43: 2025-02-10
52: Class 7 24: Part F
71: WAVE PAPER (PTY) LTD
54: A BLANK FOR A BAKING TRAY
57: The representation shows a top view of a blank for a baking tray including fold lines in accordance with the present design. In use, the blank is folded into a substantially leak-proof baking tray.



21: F2024/00698 22: 2024-07-17 23:
43: 2025-02-10
52: Class 22 24: Part F
71: PURPLEGLAZE 3 (PTY) LTD
54: BLASTING ACCESSORIES
57: The design is applied to a blasting accessory. The features of the design for which protection is claimed include the shape and/or configuration of a blasting accessory as shown in the drawings, showing the general appearance thereof.

21: F2024/00712 22: 2024-07-19 23:
43: 2024-07-19
52: Class 8 24: Part F
71: VECTO TRADE 461 PROPRIETARY LIMITED
54: A BODY FOR A KNIFE
57: The design is for a body for a knife, particularly a knife having a rotary retractable blade, e.g., a manual switchblade. The body is elongate and has a rear end which curves downwardly and tapers to a rounded butt. The body has a central slot to accommodate a blade. The body has a recess in its top side to accommodate a spring (e.g., a leaf spring) such that the spring is flush with the top side of the body.



21: F2024/00735 22: 2024-07-25 23:
43: 2025-02-14
52: Class 30 24: Part F
71: YORK, Natasha
54: LIVESTOCK FEEDER
57: The design is applied to a livestock feeder. The features of the design for which protection is claimed are those of the shape and/or configuration of the livestock feeder, substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed. Separations depicted by break lines indicate an indeterminate length and any portion between the break lines do not form part of the design and is disclaimed.

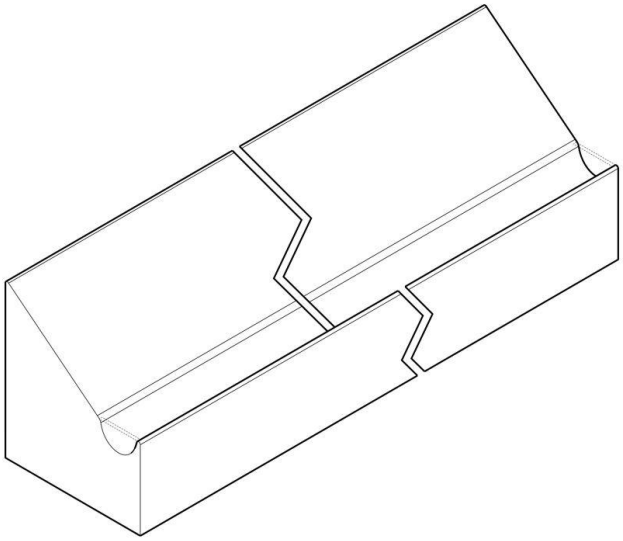
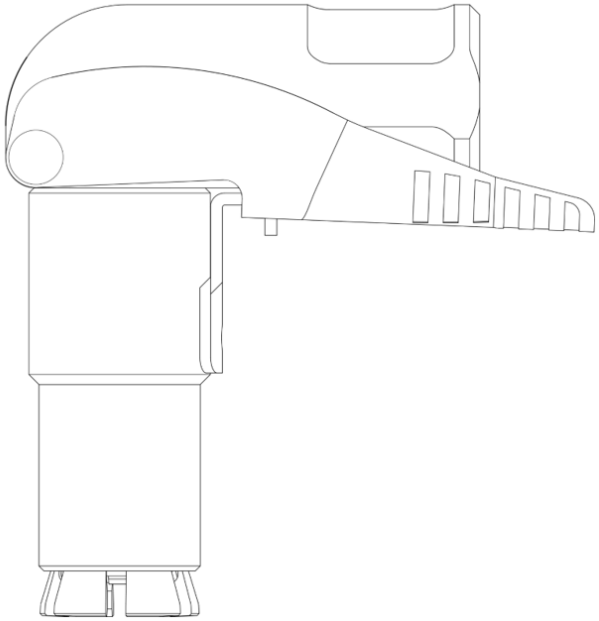
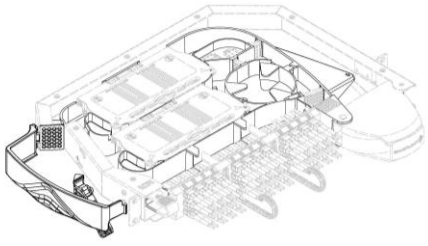


FIGURE 1: THREE-DIMENSIONAL VIEW

21: F2024/00760 22: 2024-07-31 23:
43: 2025-02-14
52: Class 15 24: Part F
71: GURTECH (PTY) LTD
33: US 31: 29/927,096 32: 2024-02-02
54: 90 DEGREE AIR CHUCK
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of an air chuck, substantially as illustrated in Figures 1 to 18 of the accompanying representations. It being a definitive feature of the air chuck that the housing is elbowed at 90 degrees.

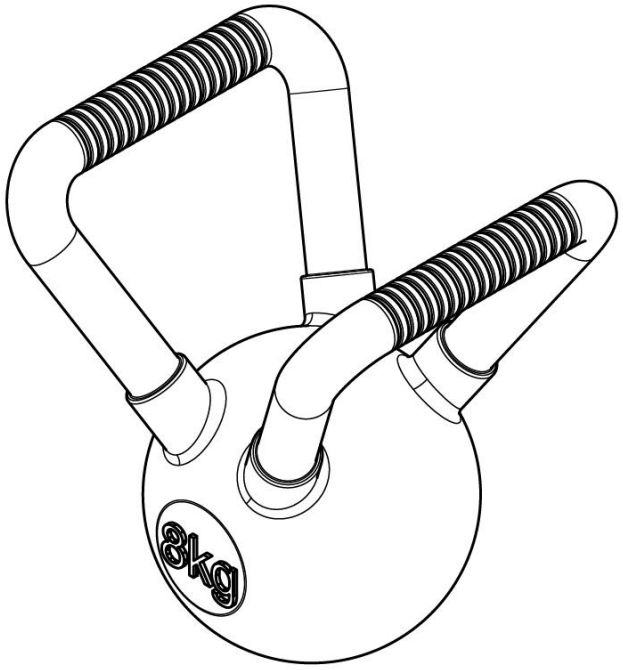


21: F2024/00762 22: 2024-07-31 23:
43: 2024-07-31
52: Class 14 24: Part F
71: SMART LOCKING LOGIC (PTY) LTD
54: A Termination Panel for Optical Fibre Cables
57: The design is for a termination panel for optical fibre cables. A plurality of the termination panels may be mounted in an access chamber, arranged one above the other, in a modular fashion. Incorporated within the panel is a dedicated storage facility for unused tubes which allows for easy storage and future reconfiguration of tubes as network requirements evolve. The panel is designed for high-density applications, ensuring optimal use of rack space while maintaining accessibility for maintenance and upgrades.

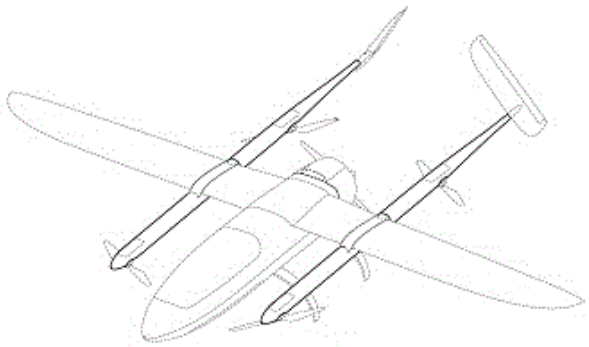


21: F2024/00763 22: 2024-07-31 23:
43: 2025-02-14
52: Class 21 24: Part F
71: Ryk Eksteen Inc
54: EXERCISE WEIGHT
57: The feature of this design for which protection is claimed includes the configuration of an exercise

weight having a body portion with two spaced apart handles substantially as illustrated in the accompanying representations.

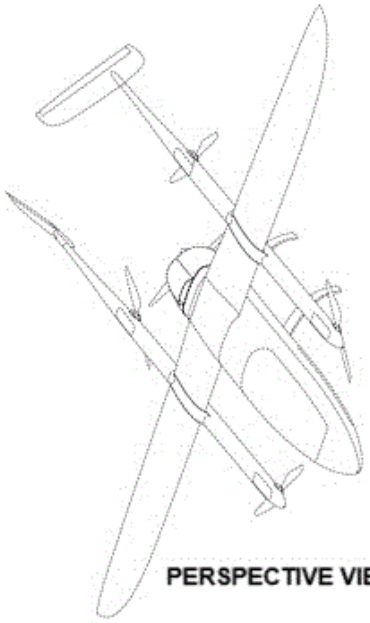


21: F2024/00765 22: 2024-07-31 23:
43: 2025-02-10
52: Class 12. 24: Part F
71: BEYERS, JOHANNES ALBERTUS LOUBSER
54: Boom for an Unmanned Aerial Vehicle
57: The design relates to a boom for an unmanned aerial vehicle. The features of the design are those of shape and/or configuration.



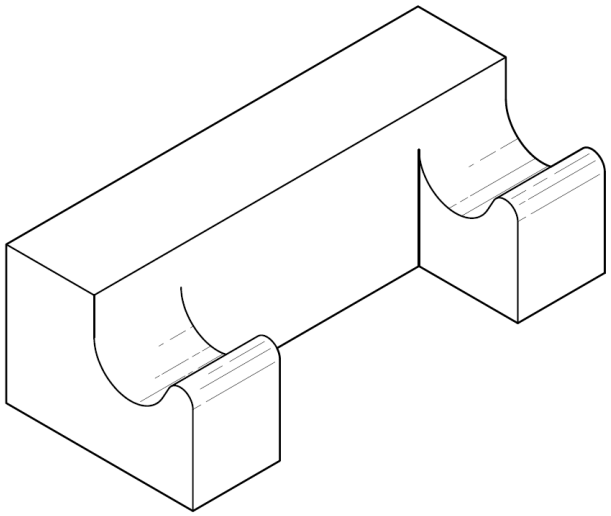
PERSPECTIVE VIEW

21: F2024/00766 22: 2024-07-31 23:
43: 2025-02-10
52: Class 12. 24: Part F
71: BEYERS, JOHANNES ALBERTUS LOUBSER
54: Fuselage for an Unmanned Aerial Vehicle
57: The design relates to a fuselage for an unmanned aerial vehicle. The features of the design are those of shape and/or configuration.



PERSPECTIVE VIEW IN USE

21: F2024/00771 22: 2024-07-31 23:
43: 2025-02-10
52: Class 25 24: Part F
71: Goffredo Mugnaioni
54: BRICKS
57: The features of the design for which protection is claimed reside in the shape and/or configuration of bricks, substantially as shown in the accompanying representations. The representations showing typical brick assemblies are shown for demonstration purposes only. The bricks are modular and are intended to be used in construction of walls to form various continuous apertures in the walls to house conduits for wiring, pipes, lights switch and plug point housings.



21: F2024/00811 22: 2024-08-16 23:
43: 2025-03-06
52: Class 23 24: Part F
71: REEFER AIR FLOW TECHNOLOGIES (PTY) LTD
54: A BAFFLE EXTENDER
57: The design is applied to a baffle extender. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the baffle extender, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

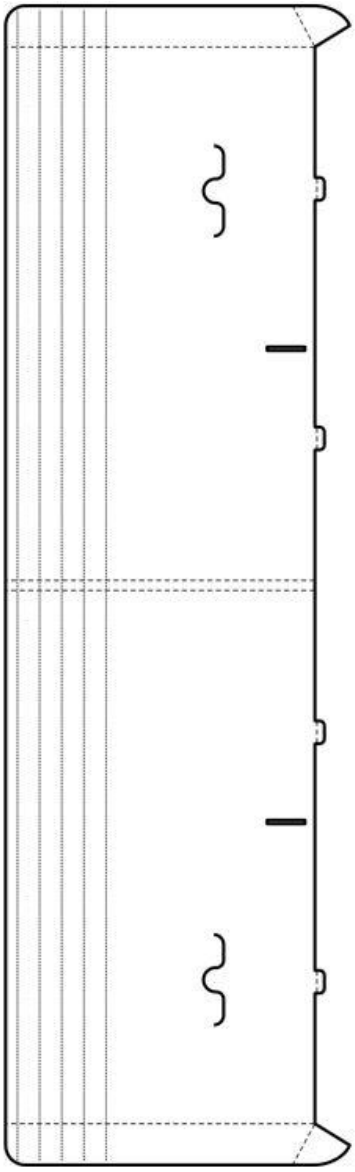


FIG. 2: PLAN VIEW OF A TEMPLATE OR BLANK FOR A BAFFLE EXTENDER

21: F2024/00813 22: 2024-08-16 23:
43: 2025-03-06
52: Class 09 24: Part F
71: DWERGIE INVESTMENT TRUST
54: A LID FOR A CONTAINER
57: The design is applied to a lid for a container. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of a lid, substantially as illustrated in the accompanying representation.

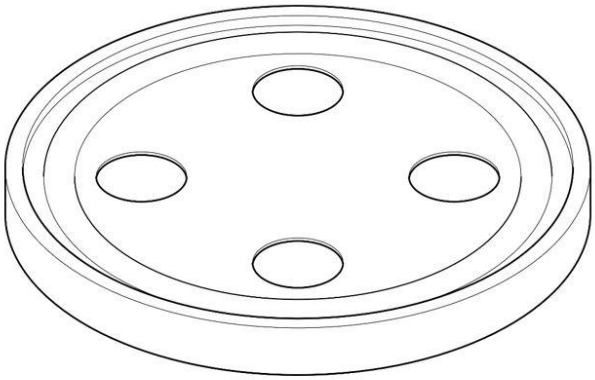
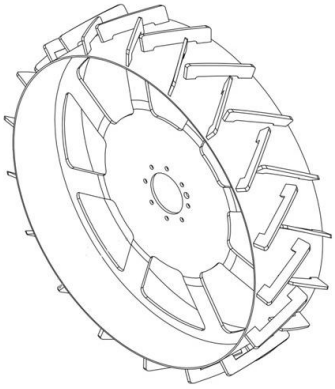
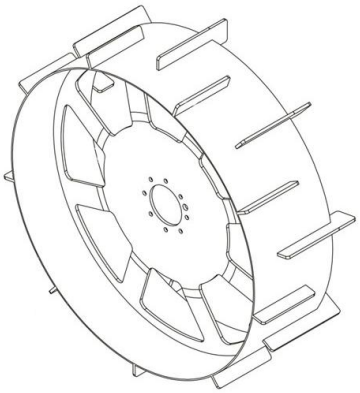


FIG. 1: FIRST THREE-DIMENSIONAL VIEW OF A LID AS VIEWED FROM ABOVE

21: F2024/00814 22: 2024-08-19 23:
43: 2025-03-06
52: Class 12 24: Part F
71: JHB WHEELS CC
54: WHEEL
57: The novelty of the design resides in the shape and configuration of a wheel substantially as shown in the accompanying representation.

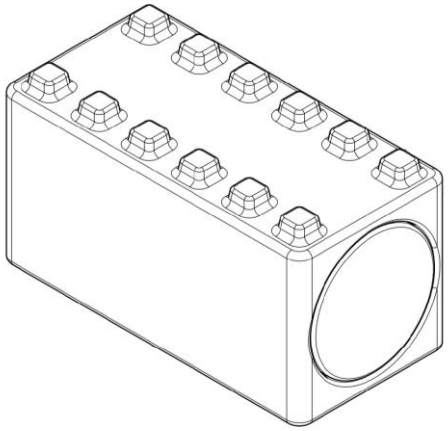


21: F2024/00815 22: 2024-08-19 23:
43: 2025-03-06
52: Class 12 24: Part F
71: JHB WHEELS CC
54: WHEEL
57: The novelty of the design resides in the shape and configuration of a wheel substantially as shown in the accompanying representation.

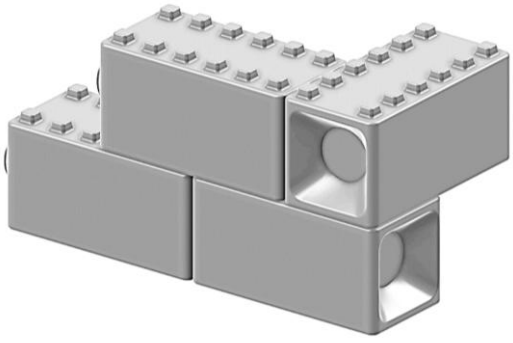


21: F2024/00830 22: 2024-08-26 23:
43: 2025-03-06
52: Class 08 24: Part F
71: ATLAS PLASTICS (PTY) LIMITED
54: HYDROPONIC TOWER STACKING SEGMENT
57: The features of the design for which protection is claimed reside in the shape, pattern, configuration and/or ornamentation of a hydroponic tower stacking segment substantially as illustrated in the accompanying drawings. Each stacking segment comprises a cylindrical side wall with a number of plant-receiving formations circumferentially extending about the side wall, a dome-shaped top wall, and a complimentarily configured dome-shaped bottom wall. Any number of segments are axially stacked atop each other such that the dome-shaped bottom wall of one segment rests atop the dome-shaped top wall of a neighbouring segment to form a hydroponic tower.

21: F2024/00851 22: 2024-08-30 23:
43: 2025-03-06
52: Class 09 24: Part F
71: DUBE, Alexander Memory
54: MODULAR CONTAINER
57: The novelty of this design resides in the shape and configuration of a MODULAR CONTAINER substantially as shown in the drawings.



21: F2024/00852 22: 2024-08-30 23:
43: 2025-03-06
52: Class 09 24: Part F
71: DUBE, Alexander Memory
54: MODULAR CONTAINER
57: The novelty of this design resides in the shape and configuration of a MODULAR CONTAINER substantially as shown in the drawings.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

(Applications filed in terms of Act No. 62 of 1977)

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

21: 2025/00002 22: 2025-03-03 43: 2025-03-03
24: 2021/01/01 to 2024/01/01; Los Angeles, CA
25: 2024/12/18; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation 500 South Buena Vista St., Burbank, California, 91521, United States of America
75: TRUEBORN HEIR PRODUCTIONS LIMITED, a United Kingdom Corporation3 Queen Caroline Street, Hammersmith, London, GB, W6 9PE, Phone: 0124326109, Email: kagisho.manyashi@adams.africa
76: Mark Ceryak; Adele Romanski
77: Barry Jenkins
54: MUFASA: THE LION KING
78: Aaron Pierre, Kelvin Harrison Jr., Seth Rogen, Billy Eichner, Beyonce Knowles-Carter, John Kani, Tiffany Boone, Donald Glover, Mads Mikkelsen, Thandiwe Newton, Lennie James, Anika Noni Rose, Blue Ivy Carter
26: On appointment with Adams & Adams
55: Specimen not lodged
56: Preview not requested
57: Exploring the unlikely rise of the beloved king of the Pride Lands, "Mufasa: The Lion King" enlists Rafiki to relay the legend of Mufasa to young lion cub Kiara, daughter of Simba and Nala, with Timon and Pumbaa lending their signature schtick. Told in flashbacks, the story introduces Mufasa as an orphaned cub, lost and alone until he meets a sympathetic lion named Taka— the heir to a royal bloodline. The chance meeting sets in motion an expansive journey of an extraordinary group of misfits searching for their destiny—their bonds will be tested as they work together to evade a threatening and deadly foe.

58: AC

21: 2025/00003 22: 2025-03-04 43: 2025-03-04
24: 2023/01/01 to 2024/01/01; Burbank, California, United States of America and Vancouver, Canada
25: 2024/11/27; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation 500 South Buena Vista St., Burbank, California, 91521, United States of America
75: WALT DISNEY ANIMATION STUDIOS an alternate designation of WALT DISNEY PICTURES, a California Corporation500 South Buena Vista St., Burbank, California, US, 91521, Phone: 0124326109, Email: kagisho.manyashi@adams.africa
76: Yvett Merino; Christina Chen
77: David G. Derrick Jr.; Jason Hand; Dana Ledoux Miller
54: MOANA 2
78: Auli'i Cravalho, Dwayne Johnson, Hualalai Chung, Rose Matafeo, David Fane, Awhimai Fraser, Khaleesi Lambert-Tsuda, Temuera Morrison, Nicole Scherzinger and Rachel House
26: On appointment with Adams & Adams
55: Specimen not lodged
56: Preview not requested
57: "Moana 2" reunites Moana and Maui three years later for an expansive new voyage alongside a crew of unlikely seafarers. After receiving an unexpected call from her wayfinding ancestors, Moana must journey to the far seas of Oceania and into dangerous, long-lost waters for an adventure unlike anything she's ever faced.

58: CA

21: 2025/00004 22: 2025-03-04 43: 2025-03-04
24: 2021/01/01 to 2024/01/01; Emeryville, California, United States of America
25: 2024/06/12; United States of America
DISNEY ENTERPRISES, INC., a Delaware Corporation 500 South Buena Vista St., Burbank, California, 91521, United States of America PIXAR, a California Corporation 1200 Park Avenue, Emeryville, California, 94608, United States of America
75: PIXAR, a California Corporation1200 Park Ave, Emeryville, California, US, 94608, Phone: 0124326109, Email: kagisho.manyashi@adams.africa
76: Mark Nielsen
77: Kelsey Mann
54: INSIDE OUT 2
78: Lewis Black, Tony Hale, Maya Hawke, Liza Lapira, Amy Poehler, Phyllis Smith and Ayo Edebiri
26: On appointment with Adams & Adams
55: Specimen not lodged
56: Preview not requested
57: "Inside Out 2" returns to the mind of newly minted teenager Riley just as headquarters is undergoing a sudden demolition to make room for something entirely unexpected: new Emotions! Joy, Sadness, Anger, Fear and Disgust, who've long been running a successful operation by all accounts, aren't sure how to feel when Anxiety shows up. And it looks like she's not alone.

58: CA

21: 2025/00005 22: 2025-03-04 43: 2025-03-04
24: 2021/10/01 to 2022/02/01; Atlanta, Georgia, United States of America and New Orleans, Louisiana, United States of America
25: 2023/07/26; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware corporation 500 S. Buena Vista Street, Burbank, California, 91521, United States of America
75: 999 GHOSTS PICTURES, INC., a Louisiana corporation500 S. Buena Vista Street, Burbank, California, US, 91521, Phone :0123946109, Email: kagisho.manyashi@adams.africa
76: Dan Lin;Jonathan Eirich
77: Justin Simien
54: HAUNTED MANSION
78: LaKeith Stanfeild, Rosario Dawson, Owen Wilson, Tiffany Haddish, Danny DeVito, Chase W. Dillon, Jamie Lee Curtis and Jared Leto
26: On appointment with Adams & Adams
55: Specimen not lodged
56: Preview not requested
57: When Ben, a widowed Ghost Tour guide in New Orleans, is hired to examine a house on the outskirts of town with a group of maladjusted "afterlife experts," he sees it as an easy payday. They soon find out that despite their best efforts, they must actually help solve the mystery of the Haunted Mansion and its extradimensional inhabitants if they want to defeat the evil spirit that threatens them all, while also confronting the ghosts of their own pasts. Based on Disney's theme park attraction The Haunted Mansion.

58: AC

21: 2025/00006 22: 2025-03-04 43: 2025-03-04
24: 2022/01/01 to 2023/01/01; Burbank, California, United States of America
25: 2023/11/18; United States of America
71: DISNEY ENTERPRISES, INC., a Delaware Corporation 500 South Buena Vista St., Burbank, California, 91521, United States of America
75: WALT DISNEY ANIMATION STUDIOS an alternate designation of WALT DISNEY PICTURES, a California Corporation 500 South Buena Vista St., Burbank, California, US, 91521, Phone: 0123946109, Email: kagisho.manyashi@adams.africa
76: Peter Del Vecho; Juan Pablo Reyes Lancaster-Jones
77: Chris Buck; Fawn Veerasunthorn
54: WISH
78: Ariana DeBose, Chris Pine, Alan Tudyk, Angelique Cabral, Victor Garber, Natasha Rothwell, Jennifer Kumiyama, Harvey Guillen, Niko Vargas, Evan Peters, Ramy Youssef, Jon Rudnitsky and Della Saba
26: On appointment with Adams & Adams
55: Specimen not lodged
56: Preview not requested
57: In "Wish," Asha, a sharp-witted idealist, makes a wish so powerful that it is answered by a cosmic force—a little ball of boundless energy called Star. Together, Asha and Star confront a most formidable foe—the ruler of Rosas, King Magnifico—to save her community and prove that when the will of one courageous human connects with the magic of the stars, wondrous things can happen.

58: CA

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTICE NOTICES

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

The following trade marks **(2022/17244; 2022/17245; 2022/17246 and 2022/17247)** were advertised in the March 2025 journal with a wrongly added information which appeared as **(Sandton, 2196)** on the applicant's address and the publications should have appeared the below publications but the publication date will remain the **26/03/2025**.

2022/17244 in Class 05: Pharmaceutical and veterinary preparations; sanitary preparations for medical purposes; dietetic substances adapted for medical use, food for babies; drinks containing minerals and vitamins for health purposes, health food supplements, medicated foods for children and young adults; non-prescription dietary supplements for human consumption; food supplements; vitamin and mineral supplements; protein (dietary) supplements; meal replacement powders for children; electrolytes; nutritional shakes; dietary supplements and herbs; vitamins and supplements for babies, children and young adults. in the name of AKTIV SUPPLEMENTS (PTY) LTD, Incorporated in South Africa, 16 Caxton Drive, Stand 724, Midstream,1692, South Africa. Address for service: Von Seidels, 4 East Park, Central Park on Park Lane, Century City, 7441, SOUTH AFRICA

YI

Associated with: 2022/17245; 2022/17240
FILED: 2022-06-03

2022/17245 in Class 29: Meat, fish, poultry and game; meat extracts; preserved, dried and cooked fruits and vegetables; jellies, jams, fruit sauces; eggs, milk and milk products; edible oils and fats; protein milk products, extracts and supplements; whey and whey extracts; food supplements for children and young adults included in the class. in the name of AKTIV SUPPLEMENTS (PTY) LTD, Incorporated in South Africa, 16 Caxton Drive, Stand 724, Midstream,1692, South Africa. Address for service: Von Seidels, 4 East Park, Central Park on Park Lane, Century City, 7441, SOUTH AFRICA

YI

Associated with: 2022/17246
FILED: 2022-06-03

2022/17246 in Class 30: Sugar, rice, tapioca, sago, flour and preparations made from cereals, bread, pastry and confectionery, ices; honey, treacle; ice, dietary cereal bars and energy bars including high protein cereal bars; carbohydrate preparations, carbohydrate-based nutritional drink mix for use as a meal replacement; crushed oats; protein bars; snack bars; snack products children and young adults included in the class. in the name of AKTIV SUPPLEMENTS (PTY) LTD, Incorporated in South Africa, 16 Caxton Drive, Stand 724, Midstream,1692, South Africa. Address for service: Von Seidels, 4 East Park, Central Park on Park Lane, Century City, 7441, SOUTH AFRICA

YI

Associated with: 2022/17247
FILED: 2022-06-03

2022/17247 in Class 32: Mineral and aerated waters and other non-alcoholic drinks; fruit drinks and fruit juices; syrups and other preparations for making beverages.; whey beverages; beverages containing and/or enriched with vitamins; energy drinks; beverages for children and young adults; water; flavoured water; soft drinks; electrolyte replacement beverages. in the name of AKTIV SUPPLEMENTS (PTY) LTD, Incorporated in South Africa, 16 Caxton Drive, Stand 724, Midstream,1692, South Africa. Address for service: Von Seidels, 4 East Park, Central Park on Park Lane, Century City, 7441, SOUTH AFRICA

YI

Associated with: 2022/17244
FILED: 2022-06-03

PATENT CORRECTION NOTICES

No records available

DESIGNS CORRECTION NOTICES

The Design restoration under application number **A2019/00724** was advertised in the February 2025 journal with the incorrect **application date** and **the lapsing date,** and it should have appeared as the one below. The publication date will remain the **26/02/2025**.

Notice is hereby given that: **SCHREDER of rue de Lusambo 67, 1190 Brussels** has made application for the restoration of the design registered to the said: **SCHREDER** for the Design **LIGHTING FIXTURES** application number **A2019/00724** dated **03/06/2019** which become void on **3/12/2021** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof.

Registrar of designs

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for April 2025

Number of Advertised Patents: 621

Application Number	Patent Title	Filing Date
2016/03342	COMBINATION THERAPY INCLUDING AN MDM2 INHIBITOR AND ONE OR MORE ADDITIONAL PHARMACEUTICALLY ACTIVE AGENTS FOR THE TREATMENT OF CANCERS	2016/05/17
2016/06933	METHODS AND COMPOSITIONS FOR INCREASING EFFICIENCY OF TARGETED GENE MODIFICATION USING OLIGONUCLEOTIDE-MEDIATED GENE REPAIR	2016/10/10
2016/08690	POWER LEAD FOR A SWIMMING POOL CLEANING ROBOT	2016/12/15
2017/08000	COMPOSITIONS AND METHODS FOR TCR REPROGRAMMING USING FUSION PROTEINS	2017/11/24
2017/08265	TIGIT-BINDING AGENTS AND USES THEREOF	2017/12/05
2018/07591	METHODS AND DEVICES FOR PREPARATION OF ULTRASOUND CONTRAST AGENTS	2018/11/12
2018/07905	SAFENED HERBICIDAL COMPOSITIONS CONTAINING HALAUXIFEN AND METHODS OF USE THEREOF IN BRASSICA SPECIES	2018/11/22
2019/01556	FERTILIZER PRODUCT AND A PROCESS FOR PREPARATION THEREOF	2019/03/12
2019/02301	CONTACT LENS COMPRISING A LENTICULAR IN A SUPERIOR PORTION OF THE CONTACT LENS	2019/04/11
2019/03091	METHODS OF TREATING INFLAMMATORY CONDITIONS	2019/05/17
2019/06628	ENERGY STORAGE AND CONVERSION	2019/10/08
2019/08007	ULTRASONIC DETECTION SYSTEM AND METHOD	2019/12/02
2019/08279	ANTIBIOTIC COMPOSITION FOR THE TREATMENT OF INFECTIONS WITH RESISTENT MICROORGANISM	2019/12/11
2019/08413	PROCESS FOR THE PURIFICATION OF ETHYLENE GLYCOL	2019/12/17

Application Number	Patent Title	Filing Date
2020/00086	NOVEL PESTICIDAL COMBINATIONS	2020/01/07
2020/00150	CORE-SHELL SILICA AND METHOD FOR PRODUCING SAME	2020/01/09
2020/00271	SHORT BURST CHANNEL DESIGN AND MULTIPLEXING	2020/01/15
2020/00375	COMPOUNDS FOR THE PREVENTION AND TREATMENT OF MEDICAL DISORDERS AND USES THEREOF	2020/01/20
2020/00534	SYNTHESIS OF OMECAMTIV MECARBIL	2020/01/27
2020/00600	CUT FOOD DENESTER	2020/01/29
2020/00640	FLUID TREATMENT APPARATUS	2020/01/30
2020/00642	ASSEMBLIES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL OBLATE MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES	2020/01/30
2020/00947	NEW DISINFECTANT FOR HATCHERIES	2020/02/13
2020/01104	USER MULTIPLEXING FOR UPLINK CONTROL INFORMATION	2020/02/21
2020/01214	SYSTEMS AND METHODS FOR PERFORMING A REAL-TIME GLYCAN ASSAY OF A SAMPLE	2020/02/26
2020/01218	SYSTEMS AND METHODS FOR REAL TIME PREPARATION OF A POLYPEPTIDE SAMPLE FOR ANALYSIS WITH MASS SPECTROMETRY	2020/02/26
2020/01221	A TABLE HAVING A HEATING APPLIANCE	2020/02/26
2020/01251	INTERLEUKIN-21 MUTEINS AND METHODS OF TREATMENT	2020/02/27
2020/01298	MULTIVALENT MONO- OR BISPECIFIC RECOMBINANT ANTIBODIES FOR ANALYTIC PURPOSE	2020/02/28
2020/01301	CONDENSED HETEROCYCLIC DERIVATIVES AS BCL-2 INHIBITORS FOR THE TREATMENT OF NEOPLASTIC DISEASES	2020/02/28
2020/01304	HERBICIDAL COMPOSITIONS BASED ON NONANOIC ACID AND KETOACIDS	2020/02/28
2020/01390	CRYSTALLINE FORMS	2020/03/04
2020/01452	TIRE DOWNSIZING APPARATUS AND METHOD	2020/03/06
2020/01564	ANTI- FOLATE RECEPTOR ALPHA ANTIBODY CONJUGATES AND	2020/03/12

Application Number	Patent Title	Filing Date
	THEIR USES	
2020/01717	COMPOUNDS, SALTS THEREOF AND METHODS FOR TREATMENT OF DISEASES	2020/03/18
2020/01723	SWITCH CABINET HAVING IMPROVED LOCKING MECHANISM	2020/03/18
2020/01752	PREPARATION OF SOLID DOSAGE FORMS COMPRISING ANTIBODIES BY SOLUTION/SUSPENSION LAYERING	2020/03/19
2020/01754	WHITENING COMPOSITIONS AND METHODS FOR INCREASING STABILITY OF THE SAME	2020/03/19
2020/01831	ORAL CARE COMPOSITIONS	2020/03/23
2020/01899	ORAL CARE COMPOSITIONS AND METHODS FOR INCREASING STABILITY OF THE SAME	2020/03/24
2020/01902	THE DESCRIBED INVENTION IS A METHOD AND A SYSTEM FOR DETERMINING POSSIBLE GEOGRAPHIC POSITIONS OF AT LEAST ONE ASSUMED UNDETECTED TARGET WITHIN A GEOGRAPHIC VOLUME OF INTEREST	2020/03/24
2020/01906	ORAL CARE COMPOSITIONS	2020/03/24
2020/02003	PROTECTION METHOD AND PROTECTION SYSTEM AGAINST COMMERCIAL AIRCRAFT CRASH FOR NUCLEAR POWER PLANT	2020/05/04
2020/02130	RESOURCE ALLOCATION FOR BEAM FAILURE RECOVERY PROCEDURE	2020/05/04
2020/02165	METHODS OF INACTIVATION OF VIRUSES USING N-METHYLGLUCAMIDE AND ITS DERIVATIVES	2020/05/04
2020/02202	SALTS OF (R)-9-(2,5-DIFLUOROPHENETHYL)-4-ETHYL-2-METHYL-1-OXA-4,9-DIAZASPIRO[5.5]UNDECAN-3-ONE	2020/05/04
2020/02233	ELECTRONIC AEROSOL PROVISION DEVICE	2020/05/04
2020/02246	ANTI-GALECTIN-9 ANTIBODIES AND USES THEREOF	2020/05/04
2020/02255	METHOD FOR PRODUCING ROAST COFFEE BEANS	2020/05/04
2020/02258	CONTAINER, PREPARATION MACHINE AND SYSTEM USING A BINARY CODE FOR ENCODING PREPARATION INFORMATION	2020/05/04
2020/02268	NEW BIO-PESTICIDES FOR	2020/05/04

Application Number	Patent Title	Filing Date
	CONTROLLING PLANT PESTS	
2020/02277	INCORPORATING NETWORK POLICIES IN KEY GENERATION	2020/05/04
2020/02371	COLLECTION AND PREPARATION OF BLOOD SAMPLES FOR POINT-OF-CARE DIAGNOSTICS	2020/05/04
2020/02744	MICROBIOCIDAL THIAZOLE DERIVATIVES	2020/05/13
2020/02827	PARTIAL AGONISTS OF INTERLEUKIN-2	2020/05/15
2020/02884	APPARATUS FOR NEGATIVE PRESSURE WOUND THERAPY	2020/05/18
2020/02910	TREATMENT OF SKIN DISORDERS	2020/05/19
2020/02957	FUMARATE SALT OF (R)-3-(1-(2,3-DICHLORO-4-(PYRAZIN-2-YL)PHENYL)-2,2,2-TRIFLUOROETHYL)-1-METHYL-1-(1-METHYLPIPERIDIN-4-YL) UREA, METHODS OF PREPARATION, AND USES THEREOF	2020/05/20
2020/02997	MECHATRONIC MODULE HAVING A HYBRID CIRCUIT ARRANGEMENT	2020/05/21
2020/03239	WOOD PLASTIC COMPOSITE COMPOSITION COMPRISING A WAX COMPOSITION, METHOD FOR PRODUCING A WOOD PLASTIC COMPOSITE THEREFROM AND THE USE OF WAX COMPOSITIONS AS LUBRICANTS FOR THE PRODUCTION OF WOOD PLASTIC COMPOSITES	2020/05/29
2020/03386	IL-2 MUTEINS AND USES THEREOF	2020/06/05
2020/03486	FISH FARM AND METHOD FOR OPERATION	2020/06/10
2020/03510	REFILL FOR A DISPENSER	2020/06/11
2020/03679	METERED VALVE FOR DISPENSING PRODUCT	2020/06/18
2020/03694	METHOD OF GENERATING AEROSOL	2020/06/19
2020/03708	CREAMERS WITH IMPROVED TEXTURE/MOUTHFEEL AND METHOD OF MAKING THEREOF	2020/06/19
2020/03769	1, 3, 4, 5-TETRAHYDRO-2H-PYRIDO[4,3-B]INDOLE DERIVATIVES FOR THE TREATMENT, ALLEVIATION OR PREVENTION OF DISORDERS ASSOCIATED WITH TAU AGGREGATES LIKE ALZHEIMER'S DISEASE	2020/06/22
2020/03904	DRUG DELIVERY SYSTEM	2020/06/26
2020/03919	LOOP-MEDIATED ISOTHERMAL	2020/06/26

Application Number	Patent Title	Filing Date
	AMPLIFICATION (LAMP) BASED ASSAY FOR DETECTING MICROBES	
2020/03985	CLAMPING DEVICE	2020/06/30
2020/03986	CD70 COMBINATION THERAPY	2020/06/30
2020/05564	FROTH FLOTATION CELL	2020/09/08
2020/06077	HUMAN KYNURENINASE ENZYMES AND USES THEREOF	2020/09/30
2020/06154	PRODRUGS OF FUSED-BICYCLIC C5AR ANTAGONISTS	2020/10/05
2020/06406	COMPOUNDS AND THEIR USES FOR ALLEVIATING MENOPAUSE-ASSOCIATED SYMPTOMS	2020/10/15
2020/06982	PORTABLE COMBUSTION/PYROLIZATION SYSTEM WITH FIRST AND SECOND AIR SOURCES	2020/11/10
2020/07072	INHIBITOR CONTAINING TRICYCLIC DERIVATIVE, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF	2020/11/12
2020/07136	METHOD FOR PRODUCTION OF BREWERS WORT	2020/11/16
2020/07149	HIGH ELASTICITY HYALURONAN COMPOSITIONS AND METHODS OF USE THEREOF	2020/11/17
2020/07246	HUMANIZED AND AFFINITY MATURED ANTIBODIES TO FCRH5 AND METHODS OF USE	2020/11/20
2020/07264	IMMUNOGENIC PRODUCT COMPRISING IL-4 AND/OR IL-13 FOR TREATING DISORDERS ASSOCIATED WITH ABERRANT IL-4 AND/OR IL 13 EXPRESSION OR ACTIVITY	2020/11/20
2020/07440	METHODS FOR INCREASING EFFICACY OF FOLR1 CANCER THERAPY	2020/11/30
2020/07485	COMPOSITIONS CONTAINING GLUFOSINATE SALT AND A SYNTHETIC AUXIN HERBICIDE SALT	2020/12/01
2020/07619	CODON-OPTIMISED CRY1DA NUCLEIC ACID MOLECULE, NUCLEIC ACID CONSTRUCT, VECTOR, HOST CELL, PLANT CELL, TRANSGENIC PLANT, METHOD FOR TRANSFORMING A CELL, METHOD FOR PRODUCING A TRANSGENIC PLANT, METHOD FOR CONTROLLING INVERTEBRATE PESTS OF CROP PLANTS, AND	2020/12/07

Application Number	Patent Title	Filing Date
	USES OF THE NUCLEIC ACID MOLECULE	
2020/07737	PENTACYCLIC COMPOUND	2020/12/11
2020/07843	TERTIARY AMINE SUBSTITUTED COUMARIN COMPOUNDS AND THEIR USES AS FLUORESCENT LABELS	2020/12/15
2020/07873	RAPID ORE ANALYSIS TO ENABLE BULK SORTING USING GAMMA-ACTIVATION ANALYSIS	2020/12/17
2020/07900	SOLID ENZYMATIC ARTICLE FOR USE IN BAKING	2020/12/17
2020/08063	ANTI-VLA-4 ANTIBODIES HAVING REDUCED EFFECTOR FUNCTION	2020/12/23
2021/01702	DRAIN PUMP FOR A SPRAY-COOLED METALLURGICAL FURNACE	2021/03/12
2021/02392	MEDICAMENT FOR THERAPEUTIC TREATMENT AND/OR IMPROVEMENT OF SEPSIS ACCOMPANIED BY COAGULOPATHY	2021/04/12
2021/02522	RADIO TRANSMITTER DEVICE FOR USE IN METHOD AND SYSTEM FOR MONITORING, CONTROLLING AND OPTIMIZING FLOW OF PRODUCTS	2021/04/16
2021/03043	METHODS FOR INHIBITING CONVERSION OF CHOLINE TO TRIMETHYLAMINE (TMA)	2021/05/05
2021/03286	PROCESSES FOR PREPARING NITROSYLATED PROPANEDIOLS, COMPOSITIONS COMPRISING THE SAME, AND MEDICAL USES THEREOF	2021/05/14
2021/03327	STABLE STANNOUS ORAL CARE PRODUCT	2021/05/17
2021/03345	SYSTEMS AND METHODS FOR GENERATING LIQUID WATER USING HIGHLY EFFICIENT TECHNIQUES THAT OPTIMIZE PRODUCTION	2021/05/18
2021/04246	HUMANIZED ANTI-HUMAN-PD-1 ANTIBODY	2021/06/21
2021/04720	DETECTOR ARRANGEMENT, DETECTION SYSTEM AND METHOD OF PROCESSING DATA FROM A DETECTOR ARRANGEMENT FOR HIGH THROUGHPUT DATA HANDLING	2021/07/06
2021/04827	MANUFACTURING PROCESS FOR PRODUCING HERMETIC SINGLE-USE FOOD CONTAINERS USING A	2021/07/09

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	SEALING HE/ D HAVING A SPECIFIC PROFILE WITH A RIB	
2021/05022	TREE-BASED TRANSFORM UNIT (TU) PARTITION FOR VIDEO CODING	2021/07/16
2021/05120	IN-SEASON FIELD LEVEL YIELD FORECASTING	2021/07/20
2021/05276	PALATABLE FORMULATIONS	2021/07/26
2021/05280	PHASE-STABILIZED AMMONIUM NITRATE PRILLS AND RELATED PRODUCTS AND METHODS	2021/07/26
2021/05347	LIS BATTERY WITH LOW SOLVATING ELECTROLYTE	2021/07/28
2021/05353	PYRAZOLOPYRIDINES AND TRIAZOLOPYRIDINES AS A2A / A2B INHIBITORS	2021/07/28
2021/05406	A METHOD FOR OPERATING AN AGRICULTURAL SPREADER AND ANARRANGEMENT FOR AN AGRICULTURAL SPREADER SYSTEM	2021/07/29
2021/05430	PROCESS FOR AN INSTANT OIL FRIED NOODLE	2021/07/30
2021/05570	FEEDBACK TRANSMISSION USING MULTIPLE ACCESS SIGNATURES	2021/08/06
2021/05708	ERBB/BTK INHIBITORS	2021/08/12
2021/05796	WIRELESS POWER TRANSFER	2021/08/13
2021/05798	ROASTING APPARATUS	2021/08/13
2021/05879	METHOD FOR DIRECT REDUCTION IN A FLUIDIZED BED	2021/08/17
2021/05901	AFABICIN FORMULATION, METHOD FOR MAKING THE SAME	2021/08/04
2021/05938	SYSTEM OF CODED PACKAGE AND APPARATUS	2021/08/18
2021/05998	BLADE ASSEMBLY FOR CUTTING FOOD	2021/08/20
2021/06012	HUMAN SERUM ALBUMIN IN FORMULATIONS	2021/08/20
2021/06131	BCMA MONOCLONAL ANTIBODY-DRUG CONJUGATE	2021/08/25
2021/06145	POLYMORPHIC FORMS OF A SUBSTITUTED-QUINOXALINE-TYPE BRIDGED-PIPERIDINE COMPOUND	2021/08/25
2021/06152	SOLUBLE COFFEE POWDER	2021/08/25
2021/06552	COMMUNICATION OF UPLINK CONTROL INFORMATION	2021/09/07
2021/06990	METHOD FOR PRODUCING A CATALYST FOR UNSATURATED CARBOXYLIC ACID SYNTHESIS	2021/09/20
2021/07221	BINDING MOLECULES SPECIFIC FOR HBV ENVELOPE PROTEIN	2021/09/27
2021/07229	CUSTOMIZABLE POWER	2021/09/27

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	CONVERTER AND CUSTOMIZABLE POWER CONVERSION SYSTEM	
2021/07389	FAST DISINTEGRATING CANNABINOID TABLETS	2021/09/30
2021/07418	INTERCHANGEABLE ENERGY DEVICE FOR ELECTRIC VEHICLE	2021/10/01
2021/07480	TOWING ARRANGEMENT AND MINE MACHINE	2021/10/05
2021/07583	CYTIDINE DERIVATIVES AND METHODS OF FORMING CYTIDINE DERIVATIVES	2021/10/08
2021/07586	ANTIBACTERIAL AGENTS & METHODS	2021/10/08
2021/07703	DOWN THE HOLE DRILLING ASSEMBLY EXHAUST ASSEMBLY	2021/10/12
2021/07772	CONTINUOUS FLUID FLOW POWER GENERATOR	2021/10/13
2021/07819	MODULATORS OF MAS-RELATED G-PROTEIN RECEPTOR X4 AND RELATED PRODUCTS AND METHODS	2021/10/14
2021/07879	METHODS OF PRODUCING BIOCONJUGATES OF E. COLI O-ANTIGEN POLYSACCHARIDES, COMPOSITIONS THEREOF, AND METHODS OF USE THEREOF	2021/10/15
2021/08003	DEVICES AND SYSTEMS FOR WATER TREATMENT	2021/10/19
2021/08434	METHOD AND APPARATUS FOR CELLULAR INTERNET OF THINGS (CIOT) DATA TRANSFER OVER A CONTROL PLANE IN A WIRELESS COMMUNICATION SYSTEM	2021/10/29
2021/08626	TRIARYL COMPOUNDS FOR TREATMENT OF PD-L1 DISEASES	2021/11/04
2021/08767	DIRECT SYNTHESIS OF ALUMINOSILICATE ZEOLITIC MATERIALS OF THE IWR FRAMEWORK STRUCTURE TYPE AND THEIR USE IN CATALYSIS	2021/11/08
2021/09164	4 - IMIDAZOPYRIDAZIN- 1 -YL- BENZAMIDES AND 4 - IMIDAZOTRIAZIN- 1 - YL - BENZAMIDES AS BTK- INHIBITORS	2021/11/17
2021/09198	METHODS OF TREATING CANCER WITH SIRP ALPHA FC FUSION IN COMBINATION WITH AN IMMUNE CHECKPOINT INHIBITOR	2021/11/17
2021/09260	METHOD AND SYSTEM FOR SECURE AND VERIFIABLE OFFLINE BLOCKCHAIN TRANSACTIONS	2021/11/18
2021/09515	PLA / PHA BIODEGRADABLE	2021/11/24

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	COATINGS FOR SEEDS, FERTILIZERS AND PESTICIDES	
2021/09516	CONTROLLED RELEASE BIODEGRADABLE COATINGS FOR SEEDS AND FERTILIZERS	2021/11/24
2021/09517	PHA TERPOLYMER COMPOSITIONS	2021/11/24
2021/09659	TRANSFORM SELECTION FOR IMPLICIT MULTIPLE TRANSFORM SELECTION	2021/11/26
2021/09832	METHOD AND APPARATUS FOR SIGNALING DECODING DATA USING HIGH LEVEL SYNTAX ELEMENTS	2021/12/01
2021/09976	METHODS TO TREAT VIRAL INFECTIONS	2021/12/03
2021/10042	IN VITRO AVIAN FOOD PRODUCT	2021/12/06
2021/10231	FLOW CELLS	2021/12/09
2021/10355	NEW BED MATERIAL FOR THERMOLYTIC FRAGMENTATION OF SUGARS	2021/12/13
2021/10414	FLT3L-FC FUSION PROTEINS AND METHODS OF USE	2021/12/13
2021/10423	FLOATING WIND TURBINE PLATFORM CONTROLLED TO OPTIMIZE POWER PRODUCTION AND REDUCE LOADING	2021/12/14
2021/10502	FUNCTIONALIZED LONG-CHAIN HYDROCARBON MONO- AND DI-CARBOXYLIC ACIDS USEFUL FOR THE PREVENTION OR TREATMENT OF DISEASE	2021/12/15
2021/10746	METHOD AND DEVICE FOR CHARACTERIZING A MEDIUM USING REFRACTIVE INDEX	2021/12/21
2021/10902	COOLING PANEL FOR A MELTER	2021/12/23
2022/00586	SIMPLIFIED DOWNSAMPLING FOR MATRIX BASED INTRA PREDICTION	2022/01/12
2022/01555	RNA-TARGETING LIGANDS, COMPOSITIONS THEREOF, AND METHODS OF MAKING AND USING THE SAME	2022/02/04
2022/03992	HERBICIDAL COMPOUNDS	2022/04/07
2022/05141	FORMULATIONS OF HUMAN ANTI-RANKL ANTIBODIES, AND METHODS OF USING THE SAME	2022/05/10
2022/05817	ANTIBODIES RECOGNIZING TAU	2020/03/02
2022/10065	INTERLEUKIN-21 MUTEINS AND METHODS OF TREATMENT	2022/09/09
2022/10207	TOWING ARRANGEMENT AND MOBILE WORK MACHINE	2022/09/14
2022/10216	FERMENTATIVE PRODUCTION OF 2-PHENYLETHANOL FROM	2022/09/14

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	GASEOUS SUBSTRATES	
2022/10400	NOVEL ANTIGEN BINDING DOMAINS AND SYNTHETIC ANTIGEN RECEPTORS INCORPORATING THE SAME	2022/09/20
2022/10530	PERSONAL CARE COMPOSITIONS	2022/09/22
2022/10644	METHOD OF TREATING A CEMENTED CARBIDE MINING INSERT	2022/09/26
2022/11238	METHOD FOR TREATING SOLID HAZARDOUS HEAVY METAL-CONTAINING COMPOSITIONS	2022/10/13
2022/11395	MODIFIED MACROPHAGES, COMPOSITIONS AND USES THEREOF	2022/10/18
2022/11401	CYCLOALKYL PYRIMIDINES AS FERROPORTIN INHIBITORS	2022/10/18
2022/11684	INSULATING HOLDER AND METHOD FOR TRANSPORTING BEVERAGES	2022/10/26
2022/11885	COMPOSITIONS FOR PROMOTING HAIR GROWTH	2022/11/01
2022/11891	COMPOSITIONS AND METHODS FOR TREATING NEUROPSYCHIATRIC DISORDERS	2022/11/01
2022/11954	MYRISTOYL DERIVATIVES OF 9-AMINO-DOXYCYCLINE FOR TARGETING CANCER STEM CELLS AND PREVENTING METASTASIS	2022/11/02
2022/12153	ATMOSPHERIC WATER GENERATOR	2022/11/07
2022/12810	CONTAINMENT DEVICE	2022/11/24
2022/12841	ACOUSTIC CABLE ALARM DEVICE, SYSTEM AND METHOD	2022/11/25
2022/12857	DOMAIN-SPECIFIC LANGUAGE INTERPRETER AND INTERACTIVE VISUAL INTERFACE FOR RAPID SCREENING	2022/11/25
2022/13407	COMPOSITIONS AND METHODS OF MANUFACTURING TRIVALENT FILOVIRUS VACCINES	2022/12/12
2022/13457	BRAKE ASSEMBLY WITH THERMAL FUSE	2022/12/13
2022/13601	AN INTEGRATED HEAP LEACH PROCESS	2022/12/15
2022/13963	A PERSONAL CARE COMPOSITION COMPRISING ATRACTYLENOLIDE-I OR A SOURCE THEREOF	2022/12/22
2022/13975	HAIR EXTENSION PACKAGING APPARATUS	2022/12/22
2023/00423	FUSION CONSTRUCTS AND METHODS OF USING THEREOF	2023/01/10

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2023/03449	PROCESS FOR THE PREPARATION OF BIHETEROARYL COMPOUNDS AND CRYSTAL FORMS THEREOF	2023/03/09
2023/04413	DETECTING THERMITE REACTIONS IN AN ELECTROLYTIC CELL	2023/04/13
2023/04756	FLUID TREATMENT APPARATUS	2023/04/25
2023/04893	CONSTRAINED CONDITIONALLY ACTIVATED BINDING PROTEINS	2023/05/02
2023/05166	RING-MODIFIED PROLINE SHORT PEPTIDE COMPOUND AND USE THEREOF	2023/05/10
2023/05302	DRILLING TOOL LOADING CONTROL SYSTEM	2023/05/15
2023/05471	METHOD FOR INSTALLING A SET OF ELECTRONIC DETONATORS AND ASSOCIATED IGNITION METHOD	2023/05/19
2023/05472	SELF-REELING BELT DRIVE MECHANISM	2023/05/19
2023/05509	COMPRESSED-AIR ENGINE WITH INTEGRATED ACTIVE CHAMBER AND ACTIVE DISTRIBUTION WITH BALANCED VALVE	2023/05/22
2023/05529	FILTER INTERLOCK WITH TABS MATING WITH A PEDESTAL OR A HOUSING	2023/05/22
2023/05606	VENTING CLOSURE LINER	2023/05/24
2023/05851	DISPERSIBLE NON-WOOD PULP	2023/05/31
2023/05852	NON-WOOD PULP HAVING HIGH BRIGHTNESS AND LOW DEBRIS	2023/05/31
2023/05853	HIGH BRIGHTNESS NON-WOOD PULP	2023/05/31
2023/05859	HIGH POROSITY NON-WOOD PULP	2023/05/31
2023/05912	COMPOSTIONS AND METHODS FOR BIOLOGICAL PRODUCTION AND HARVEST OF PRECIOUS METALS, PLATINUM GROUP ELEMENTS, AND RARE EARTH ELEMENTS	2023/06/02
2023/06096	OPHTHALMIC COMPOSITION CONTAINING LEVOFLOXACIN AND KETOROLAC, METHOD FOR THE PREPARATION AND USE THEREOF	2023/06/08
2023/06101	CRYOGENIC PROCESS FOR OBTAINING PRODUCT OF VALUE FROM A HYDROGEN-RICH INPUT GAS	2023/06/08
2023/06104	ION-BOMBARDMENT-RESISTANT GLASS COMPOSITION, MICROCHANNEL PLATE CLADDING GLASS, MICROCHANNEL PLATE AND PREPARATION METHOD	2023/06/08

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2023/06207	HIGH POWER ION BEAM GENERATOR SYSTEMS AND METHODS	2023/06/13
2023/06212	SYSTEMS, METHODS, AND APPARATUSES FOR IDENTIFYING GROUNDWATER DURING ROCK DRILL CUTTING	2023/06/13
2023/06296	NOVEL QUINAZOLINE DERIVATIVE COMPOUND AS SOS1 INHIBITOR, AND USE THEREOF	2023/06/15
2023/06392	DENTAL PRODUCT FOR FORMING AN ENDODONTIC CEMENT	2023/06/20
2023/06418	A HOOKAH DEVICE	2023/06/21
2023/06507	METHODS FOR TREATING OR PREVENTING TTR-ASSOCIATED DISEASES USING TRANSTHYRETIN (TTR) IRNA COMPOSITIONS	2023/06/23
2023/06509	A SCAFFOLD CONNECTION ELEMENT, PARTS THEREOF, AND ASSOCIATED METHODS	2023/06/23
2023/06561	A SOAP BAR	2023/06/26
2023/06590	PATATIN-LIKE PHOSPHOLIPASE DOMAIN CONTAINING 3 (PNPLA3) IRNA COMPOSITIONS AND METHODS OF USE THEREOF	2023/06/27
2023/06600	ENERGY STORAGE SYSTEM WITH ELEVATOR LIFT SYSTEM	2023/06/27
2023/06604	METHOD AND SYSTEM FOR MEASURING IN-FLIGHT LANDING DISTANCE	2023/06/27
2023/06936	A SYSTEM AND METHOD OF MANAGING AN INSURANCE SCHEME	2023/07/10
2023/07062	TRIGGER DISPENSING DEVICE WITH VALVE MEANS	2023/07/13
2023/07770	MOBILE LPG SHIP TO SHORE DISCHARGE SYSTEM	2023/08/08
2023/07771	MOBILE LPG PIPING DEPLOYMENT SYSTEM	2023/08/08
2023/07820	ARRANGEMENT FOR COMPARING PRICING OF GOODS	2023/08/08
2023/07880	HUMAN CYTOMEGALOVIRUS COMPRISING EXOGENOUS ANTIGENS	2023/08/14
2023/07881	WEAR ASSEMBLY	2023/08/14
2023/07949	SIGNALING CLOSED-LOOP POWER CONTROL FOR SINGLE AND MULTIPLE TRANSMISSION/RECEPTION POINTS (TRPS)	2023/08/16
2023/07951	MEASUREMENT GAPS FOR SYNCHRONIZATION SIGNAL BLOCK	2023/08/16

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	MEASUREMENT TIME CONFIGURATION WINDOWS IN NON-TERRESTRIAL NETWORKS	
2023/08070	KV7 CHANNEL ACTIVATORS COMPOSITIONS AND METHODS OF USE	2023/08/21
2023/08356	SHOCK DAMPENING GRIPS	2023/08/30
2023/08360	ATMOSPHERIC WATER GENERATOR APPARATUS	2023/08/30
2023/08460	ANTI-PD-1 ANTIBODY AND USE THEREOF	2023/09/01
2023/08562	METHODS AND APPARATUSES FOR CONTROLLING MULTI-USIM BEHAVIOUR OF USER EQUIPMENT	2023/09/06
2023/08706	SILVER-LOADED ZEOLITE FILTER AND CONTAINMENT FILTRATION AND EXHAUST SYSTEM OF NUCLEAR POWER PLANT	2023/09/12
2023/08734	RECOVERING VALUABLE MATERIAL	2023/09/13
2023/08800	USE OF A CATIONIC POLYMER FOR REINFECTION PREVENTION	2023/09/15
2023/08866	FUNCTIONALIZED MACROPARTICLES OF MESOPOROUS SILICA FOR PROTEIN STABILIZATION AND METAL REMOVAL FROM A BEVERAGE	2023/09/19
2023/08984	PRE-FORMED SEALING MEMBRANE	2023/09/22
2023/09135	MOBILITY MANAGEMENT METHOD, TERMINAL, AND BASE STATION	2023/09/28
2023/09153	HETEROCYCLIC COMPOUNDS AND USES THEREOF	2023/09/28
2023/09363	LIQUID COMPOSITION COMPRISING A NEONICTONOID	2023/10/06
2023/09400	HYDROGEN PEROXIDE SOLUTION-PREFILLED SYRINGE HAVING EXCELLENT HYDROGEN PEROXIDE PRESERVABILITY BY VIRTUE OF SILICONE OIL (OIL COMPOSITION CONTAINING SAID SILICONE OIL)	2023/10/09
2023/09424	ELECTROMECHANICAL LOCK ASSEMBLY	2023/10/09
2023/09425	COMPOSITIONS AND METHODS FOR TREATING HYPERCHOLESTEROLEMIA	2023/10/09
2023/09483	APPARATUS AND METHOD FOR PROCESSING IRON ORE	2023/10/11
2023/09590	PROCESS AND SYSTEM FOR PRODUCING A TARGET COMPOUND	2023/10/13

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2023/09671	METHODS AND COMPOSITIONS FOR GENERATING CHONDROCYTE LINEAGE CELLS AND/OR CARTILAGE LIKE TISSUE	2023/10/17
2023/09812	USE OF ANTIBODY IN ANTI-TUMOR TREATMENT	2023/10/20
2023/09866	LEARNING-BASED POINT CLOUD COMPRESSION VIA TEARING TRANSFORM	2023/10/23
2023/09949	ENZYMATIC METHOD FOR PRODUCING L-GLUFOSINATE AND ITS PHOSPHOESTERS	2023/10/25
2023/10051	METHOD AND APPARATUS FOR INDUSTRIAL PRODUCTION OF RENEWABLE SYNTHETIC FUELS	2023/10/27
2023/10052	A MOBILE RADIO STATION	2023/10/27
2023/10101	HEATER ASSEMBLY HAVING A SEALED AIRFLOW PATHWAY	2023/10/30
2023/10375	MULTI-CORNER IRRIGATION SYSTEM HAVING MULTIPLE STEERABLE POINTS WITHIN MOBILE IRRIGATION MACHINE AND METHOD FOR IMPLEMENTING THE SAME	2023/11/07
2023/10400	RADIOPHARMACEUTICALS TO DIFFERENT ARTS	2023/11/08
2023/10401	PROCESS, APPARATUS AND SYSTEM FOR THE PRODUCTION, SEPARATION AND PURIFICATION OF RADIOISOTOPES	2023/11/08
2023/10559	CRYSTALLINE FORMS OF A PHOSPHOINOSITIDE 3-KINASE (PI3K) INHIBITOR	2023/11/14
2023/10562	MANTLE RETAINING SYSTEM AND METHOD FOR A GYRATORY CRUSHER	2023/11/14
2023/10599	NOVEL PROMOTER AND USE THEREOF	2023/11/15
2023/10605	TRANSMISSION CONFIGURATION INDICATIONS FOR DOWNLINK TRANSMISSIONS USING MULTIPLE TRANSMISSION AND RECEPTION POINTS	2023/11/15
2023/10727	PHOTO-ELECTROCHEMICAL CELL AND CORRESPONDING APPARATUS	2023/11/20
2023/10745	NEW FORMULATION FOR INJECTION COMPRISING 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE	2023/11/21

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2023/10747	MEDICINE CONTAINER COMPRISING LIQUID PHARMACEUTICAL COMPOSITION OF 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE	2023/11/21
2023/10786	PHARMACEUTICAL COMPOSITION FOR TREATING BRAIN DISEASES COMPRISING ANTIBODY SPECIFICALLY BINDING TO ASM PROTEIN AS ACTIVE INGREDIENT	2023/11/22
2023/10789	ANTIBODY SPECIFICALLY BINDING TO ASM PROTEIN	2023/11/22
2023/10790	ANTIBODY-DRUG CONJUGATE TARGETING NECTIN-4 AND PREPARATION METHOD THEREFOR AND USE THEREOF	2023/11/22
2023/10885	IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS	2023/11/24
2023/10911	TANTALUM NANOPARTICLE PREPARATION, METHOD FOR PRODUCING TANTALUM NANOPARTICLES AND USE OF THE TANTALUM NANOPARTICLE PREPARATION	2023/11/27
2023/10917	A METHOD FOR DIGESTING BIODEGRADABLE PACKAGING WASTE AND AN APPARATUS THEREOF	2023/11/27
2023/10932	PRESSURIZING DEVICE OF CRYOGENIC VESSEL AND CRYOGENIC VESSEL	2023/11/27
2023/10979	A METHOD OF DYNAMIC SWITCH INDICATION	2023/11/28
2023/11198	INTRATUMORAL ALPHA-EMITTER RADIATION IN COMBINATION WITH IMMUNE CHECKPOINT REGULATORS	2023/12/05
2023/11203	CSP SYSTEM, SENSOR ARRANGEMENT, METHOD AND USE	2023/12/05
2023/11229	VIDEO CODING METHOD ON BASIS OF SECONDARY TRANSFORM, AND DEVICE FOR SAME	2023/12/06
2023/11230	VIDEO CODING METHOD ON BASIS OF SECONDARY TRANSFORM, AND DEVICE FOR SAME	2023/12/06
2023/11278	EXPRESSION OF NOVEL CELL TAGS	2023/12/07
2023/11293	EQUIPMENT AND METHOD FOR	2023/12/07

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	EXTRACTING SOLIDS IN CONTAMINATED FLUIDS	
2023/11297	APPARATUSES FOR FACILITATING MANAGING CULTIVATION OF CROPS BASED ON MONITORING THE CROPS	2023/12/07
2023/11299	REFERENCE SIGNALING DESIGN AND CONFIGURATION	2023/12/07
2023/11311	ANTI-BCMA HEAVY CHAIN-ONLY ANTIBODIES	2023/12/08
2023/11329	UREA DERIVATIVES WHICH CAN BE USED TO TREAT CANCER	2023/12/08
2023/11330	METHODS AND SYSTEMS FOR DETERMINING TRANSMISSION CONFIGURATION INDICATOR STATES	2023/12/08
2023/11352	GLASS MANUFACTURING	2023/12/07
2023/11355	METHODS AND IMAGING SYSTEMS FOR HARVESTING	2023/12/11
2023/11363	SYSTEMS AND METHODS FOR PROVIDING A READING FROM A RANGEFINDING DEVICE	2023/12/11
2023/11365	MONOCLONAL ANTIBODIES AGAINST CLDN18.2 AND FC-ENGINEERED VERSIONS THEREOF	2023/12/11
2023/11384	A MOBILE REFRIGERATED BAR UNIT	2023/12/11
2023/11412	ANTI-PHF-TAU ANTIBODIES AND USES THEREOF	2023/12/12
2023/11432	NOVEL PROTEIN AND NUCLEIC ACID SEQUENCES FOR COVID-19 VACCINES	2023/12/12
2023/11459	METHOD AND SYSTEM FOR THE IDENTIFICATION OF OPTIMIZED TREATMENT CONDITIONS FOR TREATING CELLS WITH ELECTRIC PULSES	2023/12/13
2023/11465	A POWER MANAGEMENT SYSTEM FOR A BATTERY-OPERATED VEHICLE AND A METHOD OF OPERATING THE SAME	2023/12/13
2023/11466	RETAINER SLEEVE WITH AN ANTI-ROTATION FEATURE	2023/12/13
2023/11480	THERAPEUTIC PHARMACEUTICAL COMPOSITION FOR BONE AND SOFT TISSUE TUMORS	2023/12/13
2023/11483	RECOMBINANT PROTEIN PRODUCTION	2023/12/13
2023/11517	CLOSURE DEVICE COMPRISING A SUPPORT RING	2023/12/14
2023/11523	HYDROCYCLONE OPTIMISATION	2023/12/14
2023/11594	A PLURALITY OF TASQUINIMOD	2023/12/18

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	PARTICLES AND USE THEREOF	
2023/11595	DETECTION DEVICE AND DETECTION SYSTEM	2023/12/18
2023/11597	WEC CONTROLLER, METHOD AND SYSTEM	2023/12/18
2023/11645	GRINDING TOOL AND METHOD FOR PRODUCING A GRINDING TOOL	2023/12/19
2023/11649	METHOD AND SYSTEM FOR AUTOMATICALLY CAPTURING AND EXTRACTING DATA FROM IMAGES OF AGRICULTURAL FIELD CROPS AND WEEDS USING MACHINE LEARNING PROCESSES	2023/12/19
2023/11677	FATIGUE LIFE OPTIMIZED MODULAR BUCKET ASSEMBLY	2023/12/20
2023/11686	STRAIN FOR PRODUCING HIGHLY CONCENTRATED L-GLUTAMIC ACID, AND L-GLUTAMIC ACID PRODUCTION METHOD USING SAME	2023/12/20
2023/11710	DIALYSIS MACHINE AND CORRESPONDING METHOD	2023/12/20
2023/11711	CHIP MODULE AND METHOD OF FORMING SAME	2023/12/20
2023/11713	PROCESS FOR PRODUCING COOKABLE, FIBROUS MEAT ANALOGS WITH DIRECTIONAL FREEZING	2023/12/20
2023/11715	WIND TURBINE WITH ROTATIONAL AXIS PERPENDICULAR TO THE WIND FLOW	2023/12/20
2023/11718	MUC16 SPECIFIC CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF	2023/12/19
2023/11755	COATED PRODUCT	2023/12/21
2023/11792	ENERGY-EFFICIENT PYROMETALLURGICAL PROCESS FOR TREATING LI-ION BATTERIES	2023/12/21
2023/11793	RECOVERY OF NICKEL AND COBALT FROM LI-ION BATTERIES OR THEIR WASTE	2023/12/21
2023/11796	BENZIMIDAZOLE COMPOUND OR SALT THEREOF, CANINE FILARIASIS CONTROL AGENT CONTAINING SAME, AND METHOD OF USE THEREOF	2023/12/21
2023/11797	BENZIMIDAZOLE COMPOUND OR SALT THEREOF, CANINE FILARIASIS CONTROL AGENT CONTAINING SAME, AND METHOD OF USE THEREOF	2023/12/21

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2023/11798	STABLE LIQUID PHARMACEUTICAL COMPOSITIONS HAVING HIGH DRUG LOADINGS OF MEDIUM CHAIN TRIGLYCERIDES AND METHODS RELATED THERETO	2023/12/21
2023/11799	IMPROVED HYBRID SMELTING SYSTEM	2023/12/21
2023/11801	AZOLE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS	2023/12/21
2024/00125	DEVULCANIZING ADDITIVE, RELATIVE METHOD OF DEVULCANIZATION AND DEVULCANIZED PRODUCT	2024/01/02
2024/00127	ESTER COMPRISING HYDRATABLE CONCENTRATED SURFACTANT COMPOSITION	2024/01/02
2024/00150	CROSS-LINKED POLYETHYLENE WATER PUMP	2024/01/03
2024/00186	CUTTING INSERT AND CUTTING TOOL ASSEMBLY INCLUDING SAME	2024/01/04
2024/00187	DETECTION OF MULTIPLE TARGET NUCLEIC ACID USING MULTIPLE DETECTION TEMPERATURES	2024/01/04
2024/00188	GUIDANCE SYSTEM TO NAVIGATE INTERVENING OBSTACLES AND METHODS FOR SAME	2024/01/04
2024/00258	METHOD FOR CONTROLLING A CONVEYED FLUID MASS FLOW BY MEANS OF DIFFERENTIAL PRESSURE MEASUREMENT, AND SYSTEM THROUGH WHICH FLUID FLOWS	2024/01/08
2024/00267	A SMART COVALENT ORGANIC FRAMEWORK AND A PROCESS FOR CARBON DIOXIDE ADSORPTION INDUCED SWITCHABLE ANTIBACTERIAL ACTIVITY THEREFROM	2024/01/08
2024/00273	METHOD AND REACTOR SYSTEM FOR DEPOLYMERIZING A TEREPHTHALATE-POLYMER INTO REUSABLE RAW MATERIAL	2024/01/08
2024/00309	SPRING-ASSISTED LINEAR DRIVE	2024/01/09
2024/00313	POTASSIUM BORON-CONTAINING FERTILIZER AND PROCESS	2024/01/09
2024/00317	METHOD FOR DETERMINING A LOCAL TEMPERATURE ANOMALY IN A FLUIDIZED BED OF A COMBUSTION BOILER, METHOD FOR CALIBRATING A NUMERICAL MODEL OF A FLUIDIZED BED OF A	2024/01/09

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	COMBUSTION BOILER, METHOD FOR ESTIMATING RISK OF FLUIDIZED BED COMBUSTION BOILER BED SINTERING, METHOD OF CONTROLLING A FLUIDIZED BED BOILER, AS WELL AS A COMBUSTION BOILER	
2024/00322	METHOD AND REACTOR SYSTEM FOR DEPOLYMERIZING A TEREPHTHALATEPOLYMER INTO REUSABLE RAW MATERIAL	2024/01/09
2024/00323	A METHOD FOR MANUFACTURING A FOOD PRODUCT FROM YEAST AND A YEAST BASED FOOD PRODUCT	2024/01/09
2024/00369	IMPROVED POZZOLAN AND METHODS OF MAKING AND USING SAME	2024/01/10
2024/00416	INORGANIC BINDER SYSTEM	2024/01/11
2024/00519	CONCENTRATED GIBBERELLIN SOLUTION FORMULATIONS	2024/01/16
2024/00544	ANTITUMOR COMPOUND AND USE THEREOF	2024/01/16
2024/00691	WALL PANEL	2024/01/19
2024/00692	WALL PANEL	2024/01/19
2024/00758	INCORPORATION OF ALGINATE INTO FERTILIZER FOR QUALITY AND AGRONOMICAL BENEFITS	2024/01/22
2024/00760	SEROTONIN 5-HT2B INHIBITORY COMPOUNDS	2024/01/22
2024/00816	METHOD FOR PREPARING INTERMEDIATE FOR SYNTHESIS OF XANTHINE OXIDASE INHIBITOR	2024/01/24
2024/00818	METHOD FOR PREPARING XANTHINE OXIDASE INHIBITOR	2024/01/24
2024/00851	DOSING REGIMENS ASSOCIATED WITH EXTENDED RELEASE PALIPERIDONE INJECTABLE FORMULATIONS	2024/01/25
2024/00856	TABLET DISPENSING PRODUCT	2024/01/25
2024/00899	A LID FOR A CONTAINER AND PACKAGING	2024/01/26
2024/00916	HOMOGENIZED COATED PARTICLE DISPERSION FUEL AND PREPARATION METHOD THEREFOR	2024/01/26
2024/00920	RECOMBINANT ANTIGEN FOR INDUCING AN IMMUNE RESPONSE AGAINST THE ZIKA VIRUS	2024/01/26
2024/00986	FORMULATIONS	2024/01/30
2024/01030	NOVEL BETA-CAROTENE 15,15-OXYGENASE VARIANT AND	2024/01/31

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	RETINOID PRODUCTION METHOD USING SAME	
2024/01043	ANTIGEN-BINDING POLYPEPTIDE TARGETING B7H3 AND APPLICATION THEREOF	2024/01/31
2024/01046	POUCH MADE OF A NONWOVEN, CONTAINING A TOBACCO MATERIAL AND/OR A DIFFERENT NICOTINE-CONTAINING MATERIAL	2024/01/31
2024/01047	ENDOTHELIN A (ETA) RECEPTOR ANTAGONIST COMPOUND, AND PREPARATION METHOD AND MEDICAL APPLICATIONS THEREOF	2024/01/31
2024/01140	SYSTEM FOR GENERATING LIGHT RADIATION TO NEUTRALIZE MICROORGANISMS	2024/02/05
2024/01262	COMPOSITE FOAM-GLASS ELEMENTS AND THEIR APPLICATION	2024/02/09
2024/01363	LYOTROPIC LIQUID CRYSTALLINE NANOSYSTEMS WITH ENCAPSULATED BIOACTIVE MACROMOLECULES	2024/02/14
2024/01526	2-HOMOPIPERAZINE-1-YL-4H-1,3-BENZOTHIAZINE-4-ONE DERIVATIVES AND PROCESS FOR THE PREPARATION OF 2-(HOMO)PIPERAZINE 1,3-BENZOTHIAZINE-4-ONE HYDROCHLORIDES	2024/02/21
2024/01544	AUTOMATIC CHOKING HYDRAULIC SHOCK REDUCTION VALVE	2024/02/21
2024/01639	SMALL MOLECULE INHIBITORS FOR ANTI-CANCER COMBINATION THERAPY	2024/02/26
2024/01665	DELIVERY SYSTEM FOR FUNCTIONAL NUCLEASES	2024/02/27
2024/01678	COMBUSTION BOILER CONTROL METHOD, COMBUSTION BOILER AND BOILER COMPUTATION SYSTEM	2024/02/27
2024/01707	CRYSTALLINE POLYMORPHS OF THE FREE BASE OF 2-HYDROXY-6-((2-(1-ISOPROPYL-1H-PYRAZOL-5-YL)PYRIDIN-3-YL)METHOXY)BENZALDEHYDE	2024/02/28
2024/01922	CORONAVIRUS VACCINE FORMULATIONS	2024/03/07
2024/01955	DEVICE WITH DISPOSABLE ELEMENT	2024/03/08
2024/01956	DEVICE WITH DISPOSABLE ELEMENT	2024/03/08

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2024/01957	DEVICE WITH DISPOSABLE ELEMENT	2024/03/08
2024/02005	A VEHICLE WHEEL STEERING MECHANISM AND A METHOD OF OPTIMIZING THE VEHICLE WHEEL STEERING MECHANISM	2024/03/11
2024/02031	THERMAL INVERTER BOX	2024/03/12
2024/02147	COLD ROLLED AND HEAT TREATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2024/03/18
2024/02224	COLD ROLLED AND HEAT TREATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2024/03/19
2024/02327	APPARATUS AND METHOD FOR EXTRACTING ENERGY FROM A FLUID	2024/03/22
2024/02543	A BLAST RESISTANT CAGE	2024/04/02
2024/02559	CLOSURE	2024/04/02
2024/02624	METHOD AND APPARATUS FOR MAKING CARBON NANOMATERIALS AND METHODS USING LITHIUM-FREE ELECTROLYTES	2024/04/04
2024/02955	QUALITY SCORE COMPRESSION	2024/04/17
2024/03303	AN ULTRASONIC EXTRACTION METHOD FOR THE PREPARATION OF LICORICE EXTRACT TO ASSIST THE FERMENTATION OF CIGAR TOBACCO LEAVES	2024/04/29
2024/03923	HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS	2024/05/21
2024/03924	TETRAHYDRO-IMIDAZO[4,5-C]PYRIDINE DERIVATIVES AS PD-L1 IMMUNOMODULATORS	2024/05/21
2024/03967	DEVICE AND METHOD FOR IMPROVING ROUTE PLANNING COMPUTING DEVICES	2024/05/22
2024/03968	DEVICE AND METHOD FOR IMPROVING ROUTE PLANNING COMPUTING DEVICES	2024/05/22
2024/04522	PYRAZOLO FUSED RING COMPOUND AND USE THEREOF	2024/06/11
2024/04607	FIXED CLOSURE FOR LONG-LIFE PACKAGE WITH AN ACCESS FOR ENTERAL NUTRITION EQUIPMENT FOR USE BY A CLOSED SYSTEM	2024/06/13
2024/04608	FIXED CLOSURE FOR LONG-LIFE PACKAGE WITH AN ACCESS FOR ENTERAL NUTRITION DEVICE FOR USE BY AN OPEN OR CLOSED SYSTEM	2024/06/13
2024/05211	REGULATOR FOR CONCRETE OF MANUFACTURED SAND AND	2024/07/04

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	GRAVEL AND PREPARATION METHOD AND USE METHOD THEREOF	
2024/05266	SOLID COMPOSITION	2024/07/05
2024/05272	CELLULOSIC TEXTILE FIBRE	2024/07/05
2024/05273	CELLULOSIC TEXTILE FIBRE	2024/07/05
2024/05278	PORTABLE INTERNAL FRICTION MEASURING INSTRUMENT AND INTERNAL FRICTION MEASUREMENT METHOD	2024/07/05
2024/05291	FLOOR REINFORCEMENT BEAM ASSEMBLY, WIDE-BODY TRUCK CARGO BOX, AND ENGINEERING MACHINE	2024/07/08
2024/05294	HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS	2024/07/08
2024/05358	METHOD FOR QUANTIFICATION OF AN INGREDIENT USED IN VACCINE MANUFACTURING AND FORMULATIONS	2024/07/10
2024/05434	ARRANGEMENT FOR FEEDING AMMUNITION TO A WEAPON	2024/07/12
2024/05437	SAFETY SYSTEM FOR WORKING MACHINE	2024/07/12
2024/05441	CORROSION-RESISTANT SURFACING LAYER FOR INNER WALL OF NUCLEAR POWER PRESSURE VESSEL AND PREPARATION METHOD THEREFOR	2024/07/12
2024/05442	TELESCOPIC SLEEVE OF LOADING AND UNLOADING MACHINE AND METHOD FOR MACHINING SAME	2024/07/12
2024/05453	IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS	2024/07/12
2024/05597	FUSION PROTEINS COMPOSED OF AN ANTIBODY AND A MUTEIN	2024/07/18
2024/05646	BENZIMIDAZOLONE DERIVED INHIBITORS OF BCL6	2024/07/19
2024/05748	UNIVERSAL ABT COMPOUNDS AND USES THEREOF	2024/07/25
2024/05750	METHOD FOR PREDICTING QUANTITY OF ELECTRICITY LOSS CAUSED BY DUST IN PHOTOVOLTAIC POWER STATION BASED ON AI MODEL TRAINING	2024/07/25
2024/05751	METHOD AND SYSTEM OF TRAINING PHOTOVOLTAIC POWER GENERATION CAPACITY MODEL BASED ON PRIOR AND POSTERIOR MODEL FUSION	2024/07/25
2024/05760	SYSTEMS AND METHODS FOR	2024/07/25

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	MODULATION OF DEEP BRAIN CIRCUITS	
2024/05815	A SMART TOILET SYSTEM	2024/07/29
2024/05830	RFID SYSTEM AND METHOD FOR MONITORING THE DEGREE OF RIPENESS OF A PLURALITY OF FRUITS	2024/07/29
2024/05835	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	2024/07/29
2024/05875	METHOD FOR PRODUCING DAIRY SUBSTITUTE PRODUCTS	2024/07/30
2024/05906	SHACKLE AND METHOD ASSEMBLY	2024/07/31
2024/05907	PICTURE ENCODING AND DECODING METHOD AND APPARATUS FOR VIDEO SEQUENCE	2024/07/31
2024/05911	A DEVICE TO ASSIST A USER TO INGEST MEDICATION	2024/07/31
2024/05924	RAILWAY LINE FASTENER AND METHOD OF INSTALLING A RAILWAY SLEEPER	2024/07/31
2024/05927	TEXTILE FIBER EXTRACTED FROM STEM OF CAYRATIA TRIFOLIA L. PLANT	2024/07/31
2024/05928	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	2024/07/31
2024/05971	A Cable Handling and Steel Rope Uncoiling Apparatus and a Method of Handling a Cable or Steel Rope	2024/08/02
2024/05986	NLRP3 INFLAMMASOME INHIBITOR AND USES THEREOF	2024/08/02
2024/06022	INSECTICIDAL PROTEIN AND USES THEREOF	2024/08/05
2024/06024	METHOD FOR REDUCING THE GLOBAL GREENHOUSE EFFECT	2024/08/05
2024/06038	AUTOMATIC FLUID EXCHANGE	2024/08/06

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	DEVICE FOR PERITONEAL DIALYSIS	
2024/06050	HYDRANT DISPENSER	2024/08/06
2024/06052	METHOD FOR PREPARING IMMOBILIZED ENZYME HAVING HIGH STABILITY	2024/08/06
2024/06069	HOT MELT ADHESIVE TO DETECT ANALYTES IN URINE	2024/08/07
2024/06083	METHODS AND SYSTEMS FOR REIDENTIFICATION IN A USER INTERFACE	2024/08/07
2024/06093	ANTI-SHRIVELLING METHOD OF OF HAZELS	2024/08/08
2024/06105	METHOD AND SYSTEM FOR PROVIDING MEASUREMENT REGIONS FOR PROVIDING A FERTILIZER RECOMMENDATION	2024/08/08
2024/06142	OPTIMIZATION METHOD FOR BLASTING DESIGN PARAMETERS BASED ON AN IMPROVED CNN	2024/08/12
2024/06197	CONSTRUCTION METHOD FOR QUICK-RELEASE CURVED SUPERIMPOSED BEAM FLANGE PLATE FRAMEWORK STRUCTURE	2024/08/13
2024/06229	INDAZOLE COMPOUND AND PHARMACEUTICAL USE THEREOF	2024/08/14
2024/06234	A FOG (FATS, OILS, OR GREASE) SEPARATION APPARATUS	2024/08/14
2024/06274	HOT-DIP PLATED STEEL MATERIAL	2024/08/15
2024/06300	JEWELLERY MANUFACTURING PROCESS	2024/08/16
2024/06318	IKAROS ZINC FINGER FAMILY DEGRADERS AND USES THEREOF	2024/08/16
2024/06347	SAFETY NET	2024/08/19
2024/06365	ELECTROLYSIS DEVICE WITH A SKID-MOUNTED STRUCTURE	2024/08/19
2024/06377	CONTAINER AND METHOD OF ERECTING A CONTAINER	2024/08/20
2024/06403	PEARL GRADING APPARATUS	2024/08/21
2024/06434	HIGH TEMPERATURE SWITCH APPARATUS	2024/08/22
2024/06452	A COAGULATION MOLD, A KIT AND A METHOD FOR PREPARING A COAGULATED BLOOD MASS	2024/08/22
2024/06471	BUILDING SYSTEM	2024/08/23
2024/06491	A KIND OF RICE PADDY DRYING DEVICE	2024/08/23
2024/06596	GENERATING AN ADJUSTMENT RESOURCE-EFFICIENT TRACK	2024/08/27
2024/06597	METHOD FOR GENERATING A RESOURCE-EFFICIENT TRACK FOR A VEHICLE IN OPERATION MOVING	2024/08/27

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	ALONG A HIGHWAY	
2024/06598	METHOD FOR GENERATING A RESOURCE-EFFICIENT TRACK FOR A VEHICLE	2024/08/27
2024/06599	METHOD FOR GENERATING AN ADJUSTMENT RESOURCE-EFFICIENT TRACK FOR A VEHICLE IN OPERATION	2024/08/27
2024/06600	GENERATING A RESOURCE-EFFICIENT TRACK FOR A VEHICLE	2024/08/27
2024/06601	GENERATING A RESOURCE-EFFICIENT TRACK FOR A MOTOR VEHICLE	2024/08/27
2024/06637	METHOD FOR GENERATING A RESOURCE-EFFICIENT DRIVING ROUTE FOR THE VEHICLE IN OPERATION	2024/08/28
2024/06638	GENERATING A MODIFIED RESOURCE-EFFICIENT TRACK	2024/08/28
2024/06639	METHOD FOR GENERATING A RESOURCE-EFFICIENT DRIVING ROUTE	2024/08/28
2024/06640	GENERATING A RESOURCE-EFFICIENT TRACK WITH STOP POINT FOR A VEHICLE IN OPERATION.	2024/08/28
2024/06641	GENERATING A RECUPERATION RESOURCE-EFFICIENT TRACK FOR A VEHICLE IN OPERATION	2024/08/28
2024/06661	CATALYST FOR HYDROGENATION OF AMMONIA UNDER SUPERCRITICAL CONDITION, PREPARATION METHOD AND APPLICATION THEREOF	2024/08/28
2024/06662	METHOD FOR GENERATING AN ENERGY-EFFICIENT DRIVING ROUTE FOR THE VEHICLE IN OPERATION	2024/08/28
2024/06663	METHOD FOR GENERATING A MODIFIED ENERGY-EFFICIENT TRACK FOR A VEHICLE	2024/08/28
2024/06664	METHOD FOR GENERATING AN ENERGY-EFFICIENT TRACK FOR A VEHICLE	2024/08/28
2024/06740	STEAM GENERATOR AND STEAM APPARATUS	2024/08/30
2024/06741	STEAM GENERATION SYSTEM AND STEAM APPARATUS	2024/08/30
2024/06742	STEAM GENERATION CONTROL METHOD	2024/08/30
2024/06743	A CUSTOMIZABLE DETACHABLE SHOE	2024/08/30

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2024/06745	LOW VISCOSITY HYDROXYPROPYL METHYLCELLULOSE AND PREPARATION METHOD THEREOF	2024/09/02
2024/06754	METAL INNER CORE, PLACEHOLDER AND PREPARATION METHOD FOR HIP JOINT BONE CEMENT PLACEHOLDER	2024/09/02
2024/06762	CONTINUOUS IDENTITY	2024/08/30
2024/06777	GREEN CONTROL METHOD FOR POTATO DISEASES AND INSECT PESTS	2024/09/03
2024/06778	INTELLIGENT CULTIVATION METHOD AND SYSTEM FOR SWEET CHERRIES	2024/09/03
2024/06779	METHOD FOR ISOLATION, CULTURE AND INDUCED DIFFERENTIATION OF YAK SKELETAL MUSCLE SATELLITE CELLS	2024/09/03
2024/06803	APPLICATION OF NINE STEAMING NINE SUN-DRYING POLYGONUM MULTIFLORUM THUNB. EXTRACT IN PREPARING MEDICINE FOR TREATING KIDNEY DEFICIENCY	2024/09/04
2024/06806	AN ACID MIST REDUCTION DEVICE	2024/09/04
2024/06815	AIR CONTROL VALVE	2024/09/04
2024/06839	METHOD AND SYSTEM FOR CONVERTING COAL INTO INPUT MATERIAL FOR GASIFICATION	2024/09/05
2024/06845	DIRECT REDUCTION PROCESS FOR THE PRODUCTION OF SPONGE IRON USING NON-CATALYTIC CONVERSION OF CH4	2024/09/05
2024/06865	BRAKING ENERGY CONTROL CIRCUIT AND CHARGING ROBOT	2024/09/05
2024/06866	HYDRAULIC BINDER COMPOSITION COMPRISING BLAST FURNACE SLAG	2024/09/05
2024/06867	EMERGENCY VALVE	2024/09/05
2024/06869	EMERGENCY VALVE HAVING EMERGENCY ACCELERATED RELEASE FUNCTION	2024/09/05
2024/06877	STEEL PROTECTION COMPOSITE ALLOY COATING AND PREPARATION METHOD AND APPLICATION THEREOF	2024/09/06
2024/06884	PEDICLE SCREWS	2024/09/06
2024/06888	SUPPLEMENT STIMULATING ROOT SYSTEM OF PLANTS IN TIMES OF CLIMATE CHANGES	2024/09/06
2024/06891	POLYMORPHS OF A DIHYDROOROTATE	2024/09/06

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	DEHYDROGENASE (DHOD) INHIBITOR	
2024/06905	SLUDGE-BASED BIOCHAR ADSORPTION MATERIAL AND APPLICATION THEREOF IN TREATING HEAVY METALS IN SEWAGE	2024/09/09
2024/06906	MUNICIPAL SLUDGE-DERIVED SOLID FUEL PREPARATION DEVICE	2024/09/09
2024/06907	A KIND OF FLUORITE-PYROCHLORE DUAL-PHASE HIGH-ENTROPY OXIDE CERAMIC POWDER AND ITS PREPARATION METHOD	2024/09/09
2024/06908	A MULTIFUNCTIONAL COMPOSITE FERTILIZER AND A PREPARATION METHOD THEREOF	2024/09/09
2024/06939	METHOD FOR IDENTIFYING DIFFERENT BROILER VARIETY TYPES BASED ON MITOCHONDRIAL HAPLOTYPES	2024/09/10
2024/06940	FLOTATION METHOD FOR SEPARATING COPPER-MOLYBDENUM MIXED CONCENTRATES WITH IMPROVED MOLYBDENUM AND COPPER RECOVERIES	2024/09/10
2024/06944	A PLANTING LAYER STRUCTURE FOR ECOLOGICAL RESTORATION OF GARDEN SLOPES	2024/09/10
2024/06950	USE OF CINNAMON ESSENTIAL OIL IN PLANT DISEASE PREVENTION AND TREATMENT	2024/09/10
2024/06966	METHOD FOR CONTROLLING A SYNTHESIS LOOP	2024/09/10
2024/06968	MODULAR BATTERY SYSTEM	2024/09/10
2024/06982	SHEET LIGHTING FOR PARTICLE DETECTION IN DRUG PRODUCT CONTAINERS	2024/09/11
2024/06990	BRIDGED TRICYCLIC CARBAMOYLPYRIDONE COMPOUNDS AND USES THEREOF	2024/09/11
2024/07003	METHOD AND SYSTEM FOR PROVIDING A PLATFORM TO ENABLE SOCIAL COLLABORATION IN A SINGLE THREAD IN SEAMLESS MANNER	2024/09/11
2024/07008	METHOD OF TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT	2024/09/11

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2024/07013	METHOD OF MANUFACTURING A MULLION PROFILE FOR A WINDOW FRAME	2024/09/12
2024/07016	WU QIN XI LEARNING AND EXERCISE SIMULATION SYSTEM	2024/09/12
2024/07017	A KIND OF SOLID WASTE ASPHALT MIXTURE VIBRATION CONSTANT TEMPERATURE OVERTURNING VIBRATION EQUIPMENT	2024/09/12
2024/07018	A METHOD FOR OBSERVING THE GROWTH OF ARBOR SPECIES	2024/09/12
2024/07019	A RADIOACTIVE PARTICLE IMPLANTER AND MULTI-ANGLE PARTICLE IMPLANTATION DEVICE	2024/09/12
2024/07023	SLEEP THERAPY	2024/09/12
2024/07031	A PREPARATION METHOD FOR A HERBICIDAL COMPOSITION CONTAINING TEMBOTRIONE	2024/09/12
2024/07032	A FUNGICIDE CONTAINING FLUDIOXONIL AND ITS PREPARATION METHOD	2024/09/12
2024/07033	A METHOD OF PREPARING A FUNGICIDE CONTAINING PROTHIOCONAZOLE	2024/09/12
2024/07048	EFFICIENT AND HIGH FIDELITY CORE EXTRACTION METHOD FOR WEAK ROCK MASSES	2024/09/13
2024/07050	CONSTANT FALSE ALARM RATE TARGET DETECTION METHOD BASED ON AUTOMATIC CENSORING	2024/09/13
2024/07054	SYSTEM AND METHOD OF DYNAMIC CORRECTIVE ENZYME SELECTION AND FORMULATION FOR PULP AND PAPER PRODUCTION	2024/09/13
2024/07056	TEST DEVICE	2024/09/13
2024/07063	TANGERETIN NANOLIPOSOME FREEZE-DRIED FORMULATION AND PREPARATION METHOD THEREFOR	2024/09/13
2024/07092	AN ARTIFICIALLY INTELLIGENT – MACHINE LEARNING BASED SELF ALIGNING SUSPENSION SYSTEM	2024/09/16
2024/07093	PAPER DEFECT DETECTION ALGORITHM BASED ON CONVOLUTIONAL NEURAL NETWORK	2024/09/16
2024/07094	RAPID MEASUREMENT METHOD OF APPLE VOLUME AND WEIGHT BASED ON MACHINE VISION AND MACHINE LEARNING ALGORITHM	2024/09/16

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2024/07095	METHOD FOR HETEROGENEOUS PROPERTY VALUE REMOTE SENSING ESTIMATION AT LARGE SCALE	2024/09/16
2024/07096	A LARGE SHAFT FORGING MATERIAL PICKING ROBOT	2024/09/16
2024/07104	AN ADSORPTION MOISTURE PUMP BASED AIR TO WATER HARVESTING DEVICE AND A METHOD THEREOF	2024/09/16
2024/07118	DEVICE FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT	2024/09/17
2024/07119	MACHINE READABLE MEDIUM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT	2024/09/17
2024/07120	MACHINE READABLE MEDIUM FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT	2024/09/17
2024/07134	PINLESS SHROUDS FOR EARTH MOVING MACHINES	2024/09/17
2024/07142	PREPARATION METHOD OF ORAL ASTRAGALOSIDE IV NANO-PREPARATION AND APPLICATIONS THEREOF	2024/09/18
2024/07143	BAUXITE ORE-BASED ACIDIC NUTRIENT SOIL FOR FLOWER AND PLANT, PREPARATION METHOD THEREFOR, AND USE THEREOF	2024/09/18
2024/07144	A BOOK UNMANNED BORROWING AND RETURNING SYSTEM	2024/09/18
2024/07145	DOUBLE-ROTOR COUNTER-ROTATING BRUSHLESS GENERATOR	2024/09/18
2024/07146	STABLE ANALGESIC PUMP	2024/09/18
2024/07148	WATER AND FERTILIZER IRRIGATION SYSTEM FOR MOUNTAIN CHERRY ORCHARDS	2024/09/18
2024/07149	METHOD FOR ASSISTING A BOOM-TYPE ROADHEADER IN ROCK CUTTING	2024/09/18
2024/07150	STEEL FRAME SUPPORT DEVICE AND EARLY WARNING METHOD FOR TUNNELS IN FRACTURE ZONES	2024/09/18
2024/07151	METHOD AND SYSTEM FOR	2024/09/18

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	TUNNEL ADVANCED GEOLOGICAL PREDICTION BASED ON A WEIGHTED MARKOV CHAIN	
2024/07160	MASK HAVING LV STRUCTURE AND DEVICE THEREOF	2024/09/18
2024/07169	METHOD OF TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT	2024/09/19
2024/07171	A NICKEL COMPLEX AND ITS PREPARATION METHOD AND APPLICATION	2024/09/19
2024/07172	A COPPER COMPLEX AND ITS PREPARATION METHOD AND APPLICATION	2024/09/19
2024/07173	POLE SUPPORT DEVICES	2024/09/19
2024/07179	NOVEL MCL-1 INHIBITOR AND COMBINATION OF MCL-1 AND A BH3 MIMETIC, SUCH AS A BCL-2 INHIBITOR	2024/09/19
2024/07198	NANOMETER DOSAGE FORM OF PAEONIAE RADIX ALBA-GLYCYRRHIZAE RADIX ET RHIZOMA DECOCTION AND APPLICATION THEREOF IN NONALCOHOLIC FATTY LIVER	2024/09/20
2024/07199	COMPOSITION FOR PREVENTING AND TREATING PRATYLENCHUS COFFEAE AND APPLICATION THEREOF	2024/09/20
2024/07200	METHOD FOR COMPREHENSIVE PREVENTION AND CURE OF YAM NEMATODIASIS	2024/09/20
2024/07201	PRINCIPAL COMPONENT REGRESSION-BASED METHOD FOR PREDICTING COAL ASH SINTERING TEMPERATURE	2024/09/20
2024/07222	MULTIPLICATION ABACUS DEVICE	2024/09/20
2024/07223	FEATHER SORTING MACHINE FOR DOWN PROCESSING	2024/09/20
2024/07239	DISEASE AND PEST RESISTANCE MOLECULAR MARKER-ASSISTED BREEDING METHOD FOR SOYBEANS	2024/09/23
2024/07240	METHOD FOR PREPARING POLY(ARYLENE ETHER NITRILE) COPOLYMER WITH ALTERNATING STRUCTURE	2024/09/23
2024/07241	TRAFFIC SIGN DETECTION SYSTEM BASED ON IMPROVED YOLOV5 AND METHOD THEREOF	2024/09/23

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2024/07245	NOVEL USE OF PITOLISANT FOR TREATING SEVERE FATIGUE	2024/09/23
2024/07268	POSITIONING DEVICE FOR ARCH RIB SEGMENTS OF FLYING SWALLOW TYPE TIED ARCH BRIDGE	2024/09/23
2024/07269	AN AUTOMATED DEVICE FOR DEMOLISHING BRIDGE PIER FORMWORK	2024/09/25
2024/07270	SEEPAGE TEST APPARATUS	2024/09/25
2024/07271	DEEP LEARNING CONTROL DEVICE BASED ON PERMANENT MAGNET MOTOR	2024/09/25
2024/07272	FOLLOW-UP BELLOWS COMPENSATOR	2024/09/25
2024/07273	INSPECTION AND REPAIR DEVICE FOR LEADING EDGES OF WIND TURBINE BLADES	2024/09/25
2024/07274	MXENE/COTTON BIOCHAR COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF	2024/09/25
2024/07275	INTERNET OF THINGS CONTROLLER ARRAY PROTECTION APPARATUS SUITABLE FOR HIGH-SPEED INFORMATION FUSION	2024/09/25
2024/07276	BUILDING ELECTRICAL LOAD-BASED REGIONAL ENERGY OPTIMIZATION METHOD AND SYSTEM	2024/09/25
2024/07281	MODULAR MEMBRANE BIOREACTOR WASTE WATER PLANT	2024/09/25
2024/07282	RANDOM VARIABLE EXPERIMENT DISPLAY DEVICE FOR MATHEMATICS TEACHING	2024/09/25
2024/07283	COMPUTER NETWORK SECURITY SYSTEM BASED ON IDENTITY RECOGNITION AND CONTROL METHOD THEREOF	2024/09/25
2024/07284	MISFUELLING PREVENTION DEVICE AND METHOD	2024/09/25
2024/07285	PREPARATION METHOD FOR HIGH-FREQUENCY MANGANESE-ZINC FERRITE MATERIAL	2024/09/25
2024/07316	CONSOLE FOR A SPORTS DEVICE COMPRISING A MEANS FOR COOLING THE USER	2024/09/25
2024/07327	A FINE CALCULATION METHOD AND A COMPUTER STORAGE MEDIUM OF CONCRETE SQUARE QUANTITY BETWEEN DIFFERENT	2024/09/26

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	PROCESSES OF TUNNEL	
2024/07331	PARTIAL DISCHARGE DETECTION SYSTEM FOR ULTRA-HIGH VOLTAGE DIRECT CURRENT ELECTRIC TEST AND METHOD THEREFOR	2024/09/26
2024/07332	BIRD-REPELLING DEVICE FOR COMMUNICATION TOWERS USED IN ELECTRONIC INFORMATION ENGINEERING	2024/09/26
2024/07336	ACUPUNCTURE FIXING DEVICE FOR CEREBRAL STROKE PATIENTS	2024/09/26
2024/07357	AN INTER-SURGICAL SCREW CONNECTING ROD	2024/09/27
2024/07358	IRON TIE PLATE FOR RAILS, AND MULTI-STATION MULTIDIRECTIONAL EXTRUSION MOLDING DIE AND METHOD THEREFOR	2024/09/27
2024/07359	METHOD FOR EVALUATING FRAILTY PHENOTYPE AND FORMULATING CARE PLAN FOR THE ELDERLY,APPARATUS AND MEDIUM	2024/09/27
2024/07392	METHOD FOR WELDING TWO PIPES TO EACH OTHER, AND CORRESPONDING PIPEWORK	2024/09/27
2024/07409	A COMPOSITION OF FAST DISSOLVING SERTRALINE HYDROCHLORIDE ORAL FILMS FOR ENHANCED BIOAVAILABILITY AND MINIMIZED SIDE-EFFECTS	2024/09/30
2024/07410	PREPARATION METHOD FOR CEMENTED FILLING BASED ON PHOSPHOGYPSUM PRETREATMENT	2024/09/30
2024/07411	DYNAMIC ANALYSIS AND COMPARISON METHOD FOR IDENTIFYING SALINE-ALKALINE TOLERANCE OF SOYBEAN	2024/09/30
2024/07412	A METHOD FOR PREPARING AN ASPHALT MIXTURE BY HARMLESSLY APPLYING ALUMINUM ELECTROLYSIS WASTE REFRACTORY MATERIAL	2024/09/30
2024/07413	A XINJIANG KAZAKH SHEEP FATTENING HIGH PROTEIN FEED AND PREPARATION METHOD THEREOF	2024/09/30
2024/07414	AN ENVIRONMENTALLY FRIENDLY HIGH-PERFORMANCE ASPHALT MIXTURE AND PREPARATION	2024/09/30

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	METHOD THEREOF	
2024/07415	A RAPID REPAIR METHOD FOR ROAD CRACKS BASED ON GEOPOLYMER-MODIFIED ASPHALT	2024/09/30
2024/07416	METHOD AND APPARATUS FOR IMPROVING QUALITY AND EFFICIENCY OF SOIL AND WATER CONSERVATION FOREST-GRASS PROJECT IN HILLY AND GULLY REGION, DEVICE AND MEDIUM	2024/09/30
2024/07418	PUSHING AND CLEANING DEVICE FOR ANIMAL HUSBANDRY	2024/09/30
2024/07420	A TEMPORARY SAND AND GRAVEL STORAGE BIN	2024/09/30
2024/07423	VARIABLE FERTILIZATION METHOD FOR RICE	2024/09/30
2024/07425	SYSTEM FOR MARKET VALUE ASSESSMENT OF MINERAL DEPOSITS CONSIDERING PRODUCT QUALITY AND RESOURCE EFFICIENCY	2024/09/30
2024/07427	TEACHERS' TEACHING LEVEL ASSESSMENT SYSTEM BASED ON BIG DATA ANALYSIS	2024/09/30
2024/07428	METHOD FOR ESTIMATING WHEAT YIELD BASED ON MULTI-SPECTRAL IMAGES ACQUIRED BY UNMANNED AERIAL VEHICLE	2024/09/30
2024/07429	A METHOD AND DEVICE FOR ENHANCING COGNITIVE FUNCTION IN OLDER ADULTS TO PREVENT MILD COGNITIVE IMPAIRMENT	2024/09/30
2024/07435	AN ENERGY MANAGEMENT SYSTEM FOR UNDER SEA COMMUNICATIONS	2024/09/30
2024/07438	SOIL-TURNING DEVICE FOR BRASSICA RAPA CULTIVATION	2024/09/30
2024/07440	ROBOTIC INTELLIGENT GRINDING HEAD	2024/09/30
2024/07445	MATERNITY OBSTETRIC ACTIVITY ASSISTANCE DEVICE	2024/09/30
2024/07446	MIDWIFERY CLEANING DEVICE	2024/09/30
2024/07457	AUTOMATIC DIGITAL INSPECTION OF RAILWAY ENVIRONMENT	2024/09/30
2024/07482	A MOBILE COMMUNICATION DEVICE INTEGRATED WITH SOLAR PANELS AND SOLAR CONTROL GLASS	2024/10/01
2024/07483	SYSTEM AND METHOD FOR PUBLIC POLICY LEGITIMACY EVALUATION THROUGH MULTI-VARIABLE ANALYSIS	2024/10/01

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2024/07485	APPARATUS AND METHOD FOR GENERATING TRUE RANDOM NUMBER	2024/09/30
2024/07491	MISTING DEVICES	2024/10/01
2024/07492	COMPOSITIONS CONTAINING CHROMIUM	2024/10/01
2024/07522	METHOD FOR GENERATING A REQUEST TO A DATABASE	2024/10/03
2024/07526	STABLE IONIC XANTHAT COMPOSITIONS IN AQUEOUS SOLUTION	2024/10/03
2024/07577	PORTABLE DECENTRALIZED LOW-PRESSURE MULTIPURPOSE GRAIN SAVER SYSTEM	2024/10/07
2024/07581	A SYSTEM FOR EXTRACTING EMOTIONAL AND PROFANITY FEATURES FROM MOVIE SUBTITLES	2024/10/07
2024/07585	METHOD OF DEPICTING AN IMAGE ON A VEHICLE	2024/10/07
2024/07615	FORMULATIONS OF DENGUE VIRUS VACCINE COMPOSITIONS	2024/10/08
2024/07642	ASSESSMENT, OPTIMIZATION AND IMPROVEMENT METHOD AND APPARATUS FOR CARBON SEQUESTRATION CAPACITY OF SOIL AND WATER CONSERVATION PROJECT IN WINDY-SANDY AREA, AND DEVICE	2024/10/09
2024/07650	METHOD FOR TREATING HEAVY METAL WASTEWATER BY UTILIZING IRON AND MANGANESE OXIDES	2024/10/09
2024/07651	TURMERIC TIBETAN RED YEAST RICE BEVERAGE, PREPARATION METHOD THEREFOR AND USE THEREOF	2024/10/09
2024/07679	EFFECTIVE OPERATION CONTROL METHOD FOR FANS OF GAS GENERATOR SET	2024/10/10
2024/07680	ENERGY STORAGE FLYWHEEL ARRAY SAFETY BRAKE DEVICE	2024/10/10
2024/07681	WAVELENGTH-TUNABLE Q-SWITCHED LASER	2024/10/10
2024/07683	MOVABLE OBSTACLE DEVICE FOR BASKETBALL DRIBBLING TRAINING	2024/10/10
2024/07684	BASKETBALL STAND CONVENIENT TO STORE	2024/10/10
2024/07688	CIVIL ENGINEERING STRUCTURAL HEALTH MONITORING DEVICE	2024/10/10
2024/07689	IMPROVED ARTIFICIAL INTELLIGENCE INTERACTIVE	2024/10/10

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	DEVICE	
2024/07690	DEVICE FOR TRANSFORMING A STRUCTURED DATA ARRAY CONTAINING INFORMATION OBJECTS OF A DIGITALIZED DOCUMENT	2024/10/10
2024/07749	BLACK PLASTER FOR TREATING PROLAPSE OF LUMBAR INTERVERTEBRAL DISC AND PREPARATION METHOD THEREOF	2024/10/14
2024/07750	ACUPUNCTURE NEEDLE INSERTION DEVICE FOR MASSAGE AND ACUPUNCTURE WITH POSITIONING AND GUIDING FUNCTIONS	2024/10/14
2024/07757	AUTOMATIC DETECTION ELECTRICITY METER BASED ON INTERNET OF THINGS	2024/10/14
2024/07787	BACTERIAL SOLUTION PREPARATION FOR PREPARING OVINE MYCOPLASMA PNEUMONIA VACCINE AND TRIVALENT INACTIVATED VACCINE AGAINST OVINE MYCOPLASMA PNEUMONIA	2024/10/15
2024/07788	CORE TRAY KIT	2024/10/15
2024/07789	BAGGED SILAGE ADDED WITH TRACE ELEMENTS	2024/10/15
2024/07795	CONSTRUCTION DEVICE AND METHOD BASED ON 3D SCANNING FOR EXPRESSWAY PAVEMENT	2024/10/15
2024/07799	SELF-MONITORING WIRELESS INTERNET OF THINGS ELECTRIC ENERGY METER	2024/10/15
2024/07840	INTERVENTIONAL BLOOD PUMP WITH OUTLET FLOW GUIDE STRUCTURE	2024/10/16
2024/08804	DRINKING DEVICE	2024/11/20
2024/09151	DYNAMIC COOLING OF A METALLURGICAL FURNACE	2024/11/29
2024/09391	PROCESSES FOR THE PREPARATION OF 4-{8-AMINO-3-[(2S)-1-(BUT-2-YNOYL)-PYRROLIDIN-2-YL]IMIDAZO[1,5-A]-PYRAZIN-1-YL}N-(PYRIDIN-2-YL)-BENZAMIDE	2024/12/09
2024/09466	INVERSION MACHINE FOR LINED HOSES AND METHOD FOR USING THE SAME	2024/12/09
2025/00541	DATA ANALYSIS METHOD AND APPARATUS FOR WIRELESS CHARGER, CHARGER AND STORAGE MEDIUM	2025/01/16

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2025/00657	SYNTHESIS OF TETRAHYDRONAPHTHALENOLS AND USES THEREOF	2025/01/20
2025/00727	BENDING-RESISTANT ALUMINUM ALLOY CONTROL SIGNAL CABLE	2025/01/22
2025/00782	AUTOMOTIVE PLASTIC INJECTION MOLDED PART DEFECT DETECTION SYSTEM BASED ON MACHINE VISION TECHNOLOGY	2025/01/23
2025/00926	STORAGE AND TRANSPORT OF SODIUM HYPOCHLORITE	2025/01/28
2025/01305	RADIO SPECTRUM MONITORING DEVICE FOR PLATEAUS BASED ON DATA ENCRYPTION	2025/02/12
2025/02368	BOREHOLE IMAGER SUITABLE FOR MULTI-APERTURE AND GAIN IMAGING EFFECT	2025/03/18
2025/02381	DESERT GREENHOUSE FRAMEWORK SYSTEM AND CONTROL METHOD THEREFOR	2025/03/18
2025/02409	CULTURE MEDIUM AND METHOD FOR REDUCING APOPTOTIC CELLS IN BOVINE IN VITRO FERTILIZED EMBRYOS	2025/03/19
2025/02540	CLOUD-BASED MEASUREMENT AND CODING FULL-PROCESS MATERIAL MANAGEMENT SYSTEM AND METHOD	2025/03/25
2025/02604	BATTERY MANAGEMENT SYSTEM OF FIRE ENGINE	2025/03/26
2025/02605	PERSONNEL DETECTION SYSTEM FOR FIRE TRUCKS	2025/03/26
2025/02701	MEASUREMENT APPARATUS FOR BRAKING DISTANCE OF MINE FALL ARRESTER, AND MEASUREMENT METHOD THEREFOR	2025/03/28
2025/02837	APPARATUS WITH SQUEEZING MEANS FOR PASSIVE MIXING OF MULTI-PHASE FLOW	2025/04/02

DESIGNS

Advertisement List for April 2025

Number of Advertised Designs: 127

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A2018/01205	PRECIOUS STONE	2018/08/02
A2020/00034	FILTRATION SYSTEM	2020/01/10
A2023/00699	A Lid	2023/06/19
A2023/01254	TYRES AND TYRE TREADS	2023/11/23
A2023/01256	TYRES AND TYRE TREADS	2023/11/23
A2023/01257	TYRES AND TYRE TREADS	2023/11/23
A2023/01267	TYRES AND TYRE TREADS	2023/11/23
A2023/01272	TYRES AND TYRE TREADS	2023/11/23
A2023/01273	TYRES AND TYRE TREADS	2023/11/23
A2023/01274	TYRES AND TYRE TREADS	2023/11/23
A2023/01275	TYRES AND TYRE TREADS	2023/11/23
A2024/00039	BOXES	2024/01/12
A2024/00040	BOXES	2024/01/12
A2024/00041	BOXES	2024/01/12
A2024/00139	TYRES AND TYRE TREADS	2024/02/02
A2024/00142	TYRES AND TYRE TREADS	2024/02/02
A2024/00439	CLADDING	2024/05/09
A2024/00440	CLADDING	2024/05/09
A2024/00441	CLADDING	2024/05/09
A2024/00505	SHELF SLAT	2024/05/30
A2024/00540	FLOATING CHEMICAL DISPENSING CONTAINERS	2024/06/11
A2024/00541	FLOATING CHEMICAL DISPENSING CONTAINERS	2024/06/11
A2024/00557	A HANDHELD POINT OF SALE DEVICE	2024/06/13
A2024/00558	A COUNTERTOP POINT OF SALE DEVICE	2024/06/13
A2024/00560	MOTOR VEHICLES	2024/06/13
A2024/00561	MOTOR VEHICLES	2024/06/13
A2024/00562	MOTOR VEHICLES	2024/06/13
A2024/00581	AIRCRAFT WEIGHING DEVICES	2024/06/18
A2024/00586	PLANTER ROW UNIT FRAME	2024/06/19
A2024/00616	Water Filters	2024/06/24
A2024/00666	FOOTWEAR	2024/07/02
A2024/00670	FOOTWEAR	2024/07/04
A2024/00673	Display Stand for a Watch	2024/07/05
A2024/00674	Watch	2024/07/05
A2024/00678	PORTABLE ENERGY STORAGE DEVICES	2024/07/11
A2024/00682	Footwear	2024/07/16
A2024/00683	MOTOR VEHICLES	2024/07/16
A2024/00684	MOTOR VEHICLES	2024/07/16
A2024/00685	MOTOR VEHICLES	2024/07/16
A2024/00686	COFFEE MACHINES	2024/07/16
A2024/00690	KIOSKS	2024/07/16
A2024/00691	KIOSKS	2024/07/16
A2024/00692	KIOSKS	2024/07/16
A2024/00693	KIOSKS	2024/07/16
A2024/00694	BATTERY HOUSINGS	2024/07/16

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A2024/00695	BATTERY HOUSINGS	2024/07/16
A2024/00696	KIOSKS	2024/07/16
A2024/00697	KIOSKS	2024/07/16
A2024/00700	Band for a Head-Mounted Display	2024/07/17
A2024/00701	Head-Mounted Display	2024/07/17
A2024/00708	INVERTERS	2024/07/18
A2024/00710	A BODY FOR A KNIFE	2024/07/19
A2024/00711	MEDICATION DELIVERY DEVICES	2024/07/19
A2024/00713	AUTOMOBILES	2024/07/19
A2024/00714	MEDICATION DELIVERY DEVICES	2024/07/19
A2024/00715	MEDICATION DELIVERY DEVICES	2024/07/19
A2024/00716	MEDICATION DELIVERY DEVICES	2024/07/19
A2024/00717	MEDICATION DELIVERY DEVICES	2024/07/19
A2024/00718	MEDICATION DELIVERY DEVICES	2024/07/19
A2024/00719	MEDICATION DELIVERY DEVICES	2024/07/19
A2024/00720	LABELS FOR MEDICATION DELIVERY DEVICES	2024/07/19
A2024/00724	Insulating Container	2024/07/22
A2024/00731	Information Processing Device	2024/07/23
A2024/00732	AIR TREATMENT SYSTEMS	2024/07/23
A2024/00733	AIR TREATMENT SYSTEMS	2024/07/23
A2024/00734	AIR TREATMENT SYSTEMS	2024/07/23
A2024/00737	GARMENT STEAMER	2024/07/26
A2024/00738	GARMENT STEAMER	2024/07/26
A2024/00739	Beverage Dispenser	2024/07/26
A2024/00740	AUTOMOBILES	2024/07/26
A2024/00744	GRAPHIC DESIGNS	2024/07/29
A2024/00745	GRAPHIC DESIGNS	2024/07/29
A2024/00746	GRAPHIC DESIGNS	2024/07/29
A2024/00747	GRAPHIC DESIGNS	2024/07/29
A2024/00748	GRAPHIC DESIGNS	2024/07/29
A2024/00749	GRAPHIC DESIGNS	2024/07/29
A2024/00750	GRAPHIC DESIGNS	2024/07/29
A2024/00751	GRAPHIC DESIGNS	2024/07/29
A2024/00753	GRAPHIC DESIGNS	2024/07/29
A2024/00754	GRAPHIC DESIGNS	2024/07/29
A2024/00755	Watch	2024/07/30
A2024/00756	Watch	2024/07/30
A2024/00759	90 DEGREE AIR CHUCK	2024/07/31
A2024/00767	Lower Umbrella Hub Assembly	2024/07/31
A2024/00768	Upper Umbrella Hub Assembly	2024/07/31
A2024/00769	CONTAINERS	2024/07/31
A2024/00770	CONTAINERS	2024/07/31
A2024/00772	GEARBOX CASING	2024/07/31
A2024/00773	GEARBOX CASING	2024/08/01
A2024/00798	VEHICLE	2024/08/12
A2024/00799	FRONT BUMPER WITH GRILLE FOR A VEHICLE	2024/08/12
A2024/00808	TYRE SIDEWALL	2024/08/15
A2024/00809	TYRE TREAD	2024/08/15

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A2024/00812	A LID FOR A CONTAINER	2024/08/16
A2024/00829	HYDROPONIC TOWER STACKING SEGMENT	2024/08/26
A2024/00835	AIR FRYER	2024/08/27
A2024/00836	AIR FRYER	2024/08/27
A2024/00840	ALL-IN-ONE ENERGY STORAGE CABINET	2024/08/28
A2024/00885	VENTILATING FANS	2024/09/11
A2024/00886	VENTILATING FAN	2024/09/11
A2024/00890	ROBOTIC LAWN MOWERS	2024/09/16
A2024/00891	ROBOTIC LAWN MOWERS	2024/09/16
F2019/01795	REUSABLE UPPER SECTION OF AN EXCAVATOR BUCKET	2019/12/12
F2019/01796	REUSABLE UPPER SECTION OF AN EXCAVATOR BUCKET	2019/12/12
F2024/00346	BATTERY ENCLOSURE	2024/04/09
F2024/00508	SHELF SLAT	2024/05/30
F2024/00542	FLOATING CHEMICAL DISPENSING CONTAINERS	2024/06/11
F2024/00543	FLOATING CHEMICAL DISPENSING CONTAINERS	2024/06/11
F2024/00544	FLOATING CHEMICAL DISPENSING CONTAINERS	2024/06/11
F2024/00585	PLANTER ROW UNIT FRAME	2024/06/19
F2024/00658	A BLANK FOR A BAKING TRAY	2024/07/01
F2024/00698	BLASTING ACCESSORIES	2024/07/17
F2024/00712	A BODY FOR A KNIFE	2024/07/19
F2024/00735	LIVESTOCK FEEDER	2024/07/25
F2024/00760	90 DEGREE AIR CHUCK	2024/07/31
F2024/00762	A Termination Panel for Optical Fibre Cables	2024/07/31
F2024/00763	EXERCISE WEIGHT	2024/07/31
F2024/00765	Boom for an Unmanned Aerial Vehicle	2024/07/31
F2024/00766	Fuselage for an Unmanned Aerial Vehicle	2024/07/31
F2024/00771	BRICKS	2024/07/31
F2024/00811	A BAFFLE EXTENDER	2024/08/16
F2024/00813	A LID FOR A CONTAINER	2024/08/16
F2024/00814	WHEEL	2024/08/19
F2024/00815	WHEEL	2024/08/19
F2024/00830	HYDROPONIC TOWER STACKING SEGMENT	2024/08/26
F2024/00851	MODULAR CONTAINER	2024/08/30
F2024/00852	MODULAR CONTAINER	2024/08/30