



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

*For information on the following please see our website www.ipaustralia.gov.au
or contact our Customer Service Network on 1300651010*

Editorial enquiries

Contact information

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Country Codes

Trade Mark and Designs Hearing Sessions

INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

The Australian Official Journal of Patents (AOJP) reports all major events and actions which take place during the life cycle of an Australian patent and provides certain details of these actions as they relate to the patent or patent application involved. This guide sets out to teach the reader how to use the journal to access this information.

While there are many possible actions in the life of a patent, the majority of actions reported relate to the following events, which are the main stages in the progression of a patent application to a granted patent:

(i) FILING -

This is the act of making an application. When the application is first filed certain details are published.

(ii) OPEN-TO-PUBLIC-INSPECTION (OPI) -

Approximately 18 months after first filing of an Australian or a corresponding foreign application, certain application documents, including the complete specification, become available to the public (Open-to-Public-Inspection or "OPI"). Relevant application details are published.

(iii) ACCEPTANCE –

This is the Commissioner's acceptance of a patent application. Once the Commissioner has accepted a patent application, certain details of the application are published in the AOJP. Notice of opposition may be filed within three months of advertisement of acceptance.

(iv) OPPOSITION –

If an opposition action is commenced against the grant of the patent, the application number and the name of the opponent are published. If the opposition is to the Certification of an Innovation Patent, the patent number and the name of the opponent are published.

(v) GRANTING –

Most accepted applications are not opposed. These proceed to grant and become granted patents. Of the few that are opposed (less than 1%) most of these, after resolution of the opposition, proceed to grant and become granted patents. Granted patents are simply listed in order of their patent number.

(vi) CERTIFICATION

This is the Commissioner's Certification after passing examination of a previously granted unexamined Innovation Patent.

In addition to the actions related to these stages, other actions reported include: assignments, lapsing or withdrawal of applications and ceasing or expiry of patents, voluntary amendments, extensions of time for certain actions and registration of licences.

How To Identify Information Using "INID" Numbers

Patents are published in many different countries and in many different languages. As a result, finding the information that you want (eg the filing date) on a patent document or in a journal can be quite difficult. There is an international system operating, which codifies this information in an unambiguous way, by assigning a specific number to each piece of information about the history of a patent. These numbers are called the **Internationally agreed Numbers for the Identification of Data** or INID numbers.

These numbers appear on all published patents and abstracts and are used throughout this journal to identify particular items of information. For example, the date on which a document is filed has the INID number (22), while the name of the applicant has the INID number of (71). These numbers are always expressed in parentheses and always immediately precede the information to which they relate. For example:

(22) 12.10.91

means that the filing date of the document which contains this reference is 12 October 1991. Learning the INID numbers for the information you want will help you find it quickly and easily. A complete list of the INID numbers and the items to which they relate is provided at the end of this Guide.

How Australian Patent Documents are Numbered

When searching information or ordering documents it is vital that you understand the numbering system.

Document Numbering in the **Australian Official Journal of Patents from 10th March 2018** All

patents, patent applications and provisional applications are assigned a "10" digit number.

- The first 4 digits identify the year of filing; and
- The fifth digit identifies the type of patent. Numerals; "0", "2", or "3" are allocated to standard complete applications and patents (including petty patents); "1" is allocated to innovation applications and patents; and "9" is allocated to provisional applications.

See Examples:

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

NOTE: Please refer to previous journal publications for numbering formats used prior to 10th March 2018.

Different prefixes will be associated to the application/patent at different stages of its life. This prefix indicates whether the application has been accepted.

A document corresponding to an unaccepted application has the prefix, AU-A; eg AU-A-2002200234. A document corresponding to an accepted application carries the prefix AU-B; eg AU-B-2002200234.

Users need to be aware that an accepted document may differ from the corresponding unaccepted document. This is because amendment may occur between first publication (OPI) and second publication (acceptance).

<p>NOTE: When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.</p>
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Arrangement of Information in the Journal

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

The Journal lists the information published in that category in an alphabetical Name Index list based on the name of the applicant. These indices are useful if you wish to find information about applications made by a particular applicant.

In addition to the Name Index there is provided, for each of these categories, a Numerical Index This index lists the applications either in order of their Application Numbers, in the case of complete applications filed and applications OPI, or in order of their Document Number in the case of accepted applications. It provides, for each number, the name of the applicant. These indices are useful if you wish to track the progress of a particular patent application.

There are also IPC Indices provided for applications which are OPI and for applications which have been accepted. IPC stands for International Patent Classification. Each IPC "mark" is an alpha-numerical representation of a particular area of technology. These indices are in order of IPC mark, and within each mark provide either the application numbers of the application which are now OPI or the numbers of the cases now accepted. These indices are useful if you wish to check on patent activity in a particular technology.

Using the Indices To Find Patent Information if You Know the Name of the Applicant.

Use the Name Indices. They will give you the following information identified by their INID number:

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
A) Provisional applications filed - Name Index		B) Complete application filed - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The Provisional application <u>number</u>	(21)	The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)	The <u>date</u> of filing	(22)
The <u>title</u> of the invention	(54)	<u>Title</u> of the invention	(54)
		<u>Number</u> of priority document(s) if any	(31)
		<u>Date(s)</u> of filing of priority documents	(32)
		<u>Country</u> of which priority documents filed	(33)
		PCT application <u>number</u>	(86)

<u>ITEM</u>	<u>INID No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
C) Applications open to public inspection Name Index		D) Applications accepted - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> of the document	(11)	The <u>number</u> of the document	(11)
The <u>number</u> assigned to the application	(21)	The <u>number</u> of the accepted document	(10)
The <u>date</u> of filing	(22)	The <u>number</u> assigned to the application	(21)
The <u>title</u>	(54)	The <u>date</u> of filing	(22)
The <u>classification marks</u>	(51)	The <u>title</u>	(54)
Priority document <u>number(s)</u>	(31)	The <u>classification marks</u>	(51)
<u>Date</u> of filing of priority document(s)	(32)	PCT publication <u>number</u>	(87)
<u>Country</u> in which priority document filed	(33)	Priority document <u>number</u>	(31)
Publication <u>date</u> of unexamined document	(43)	<u>Date</u> of filing of priority document(s)	(32)
Inventors names if known	(72)	<u>Country</u> in which priority document filed	(33)
<u>Patent Attorneys</u>	(74)	Publication <u>date</u> of unexamined document	(43)

<u>ITEM</u>	<u>INID</u> <u>No.</u>
E) Patents Certified – Name Index	
The <u>name</u> of the applicant	(71)
The <u>number</u> of the accepted document	(10)
The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)
The <u>title</u>	(54)
The <u>classification marks</u>	(51)
Priority document <u>number</u>	(31)
<u>Date</u> of filing of priority document(s)	(32)
<u>Country</u> in which priority document filed	(33)
Publication <u>date</u> of granted patent	(45)
<u>Inventors names</u>	(72)
<u>Patent Attorneys</u>	(74)
Related by division	(62)

You will notice at each stage of following application through that all applications are in alphabetical order of **Applicant**, not inventor.

1. To Find Information About a Patent Application if You Know its Number.

Use the appropriate numerical index. This will give you the name of the applicant from the number. You will then need to use the appropriate Name Index as above to find out other information about the Patent Application you are interested in.

The following Numerical Indices are available:

- A) **Provisional** Applications filed.
- B) **Complete** Applications filed.
- C) Innovation Applications filed.
- D) Applications **Open to Public Inspection**.
- E) Applications **Accepted**.
- F) Innovation Patent Certified

3. To Find Information About Patent Documents in the Area of Technology in which You are Interested if You Know the International Patent Classification Mark for that Area.

All patent applications are classified according to their subject matter using the International Patent Classification (IPC). Although the system is very detailed and covers all technologies, knowledge of the IPC marks of the technologies you are interested in will allow you to find patent documents in these technologies quite easily. To identify the IPC marks of technologies you are interested in, you can inspect relevant documentation in any of AIPO's state offices.

The indices to use are

- A) Applications **OPI** - IPC Index
- B) Applications **accepted** - IPC Index.

These indices give you the numbers of the applications which are either OPI or Accepted and are listed in order of their IPC marks.

Once you have the numbers of the documents that interest you, consult the relevant Number Index (see 2. above) to find the applicant's name, and then the Name Index (see 1. above) to find out the details of that application.

'INID' NUMBERS in use on Australian Patent Documents

'INID' is an acronym for 'Internationally agreed Numbers for the Identification of Data'.

(10) Document identification

- (11) Number of the document
- (12) Plain language designation of the kind of document
- (19) WIPO country code, or other identification, of the country publishing the document.

(20) Document filing data

- (21) Number(s) assigned to the application(s).
- (22) Date(s) of filing application(s)
- (23) Other date(s) of filing, including exhibition filing date and date of filing complete specification following provisional specification.
- (24) Date from which industrial property rights may have effect.

(30) Priority data

- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filing priority application(s)
- (33) Country (countries) in which the priority application(s) was (were) filed.

(40) Date(s) of making available to the public

- (43) Date of publication by printing or similar process of an unexamined document, on which no grant has taken place on or before the said date.

(43) Date of publication by printing or similar process of an examined document, on which no grant has taken place on or before the said date.

(44) Date of publication by printing or similar process of a document, on which grant, or certification has taken place on or before the said date.

(50) Technical Information

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

(56) List of prior art documents, if separate from descriptive text

(57) Abstract or claim

(60) Reference(s) to other legally related domestic document(s)

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

(70) Identification of parties concerned with the document

(71) Name(s) of applicant(s)

(72) Name(s) of inventor(s) if known to be such

(74) Name(s) of attorney(s) or agent(s)

(75) Name(s) of inventor(s) who is (are) also applicant(s)

(80) Identification of data related to International Conventions other than the Paris Convention

(86) PCT Application Number

(87) PCT Publication Number

NOTE

(1) Australian patent documents published on or after 26 October 1978 should be referred to by the application number preceded by the prefix AU-A or AU-B.

AU-A = Pre-examination

AU-B = Post-examination

(2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)₂, (51)₃, (51)₄ and (51)₅.

(3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

(4) There is a gap in volume numbering of the Australian Official Journal of Patents. The volumes are:

- 1987-2022 Volume 1 - 36
- 2023 - Volume 57 -

Official Notice

Publication of a decision of a Panel of the Trans-Tasman IP Attorneys Disciplinary Tribunal

In accordance with regulation 20.50 *Notification and publication of decisions of Panel of Disciplinary Tribunal* of the Australian Patent Regulations 1991, be advised:

A written statement setting out the reasons for a decision of a Panel, as well as the finding on any material questions of fact and evidence referred to or material on which findings are based, is now available on the website of the [Trans-Tasman IP Attorneys Board](#).

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Secretary
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E-mail: secretary.ttipab@ipaaustralia.gov.au

Proceedings under the Patents Act 1990

Provisional Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 11 Jul 2023 .

(71) Access Care Amenities Pty Ltd (21) 2023902191 (22) 07.07.2023 (54) AUTONOMOUS FOLLOWER VEHICLE	(71) Australian Industrial Plastics Pty Ltd (21) 2023902238 (22) 12.07.2023 (54) Method and System for Joining Hollow Plastic Members	CAMPBELL, C. see CASSE, B. (21) 2023902278
(71) AdAlta Limited (21) 2023902188 (22) 07.07.2023 (54) Linking Receptor Occupancy to Efficacy of CXCR4 antagonists	(71) bonhill, a. (21) 2023902196 (22) 08.07.2023 (54) UV LED Device Attachment with Soft Silicone Rubber Casing, Pressure Sensor Activation, Automatic 5-Second Timer, Glue Curing Capability, Adaptable USB-C Cable, Secure Casing, and Interchangeable USB Adaptor for Eyelash Extensions	(71) Capon, J. (21) 2023902270 (22) 15.07.2023 (54) New bedding concept for caravan beds
(71) Adham Property Group Pty Ltd (21) 2023902225 (22) 11.07.2023 (54) IMMUNOASSAY TEST KIT	(71) BRIGHSUN NEW ENERGY PTY LTD (21) 2023902219 (22) 11.07.2023 (54) Composite cathode nano-particles for solid state lithium sulfur batteries	(71) CASSE, B.; CAMPBELL, C.; HUD-DART, B. (21) 2023902278 (22) 17.07.2023 (54) PATIENT MONITORING METHOD AND SYSTEM
Adjokatse, J. see Adjokatse, J. (21) 2023902203	(71) BRIGHSUN NEW ENERGY PTY LTD (21) 2023902220 (22) 11.07.2023 (54) A lithium-sulfur battery cathode material synthesized by using silica hollow spheres	(71) Catoi, P. (21) 2023902259 (22) 14.07.2023 (54) Rock Bolt
(71) Adjokatse, J.; Adjokatse, J. (21) 2023902203 (22) 10.07.2023 (54) Weather Cover Assembly	(71) Brown, G. (21) 2023902261 (22) 14.07.2023 (54) Wood Fired Fire Pit & Combined Outdoor Cooker	(71) Circular Solar Solutions Pty Ltd (21) 2023902204 (22) 10.07.2023 (54) METHOD AND APPARATUS FOR ABRASIVE, NON-AIR POLLUTING REMOVAL OF PHOTOVOLTAIC MATERIAL AND ENCAPSULANT FROM TRANSPARENT COVER SHEETS OF SOLAR PANELS
(71) AFC Energy plc (21) 2023902208 (22) 10.07.2023 (54) Device for hydrogen production	BROWNFIELD, L. see HERRIDGE, R. (21) 2023902215	(71) Clean Cup Co Pty Ltd (21) 2023902253 (22) 13.07.2023 (54) Rinsing and mixing lids, vessels and containers
(71) AFC Energy plc (21) 2023902209 (22) 10.07.2023 (54) Filter assembly	(71) BSD Robotics Pty Ltd (21) 2023902193 (22) 07.07.2023 (54) Biological storage system	(71) Cognify Pty Ltd (21) 2023902275 (22) 17.07.2023 (54) A DATA SAMPLING APPARATUS AND TIME-SYNCHRONISED DATA SAMPLING SYSTEM FOR SAMPLING DATA ACROSS A PLURALITY OF SENSORS
(71) APPS ON PTY LTD (21) 2023902218 (22) 11.07.2023 (54) A SMART PHONE CALL ENDING SYSTEM AND METHOD	(71) BT Imaging Pty Ltd (21) 2023902264 (22) 14.07.2023 (54) Methods and Apparatus for Identifying Shunts in Monolithically Integrated Multi-Junction Solar Cells	
(71) ASTLEY, J. (21) 2023902221 (22) 11.07.2023 (54) Chessley		

Provisional Applications Filed - Name Index cont'd

(71) Crough, M.
(21) 2023902247 (22) 13.07.2023
(54) Caravan and camping Electromagnetic draw and cupboard locks

(71) Cullis-Hill, S.D.
(21) 2023902258 (22) 14.07.2023
(54) Improved cognition

(71) CVG Developments Pty Ltd
(21) 2023902205 (22) 10.07.2023
(54) Gas Bottle Housing

(71) Da Gama Industries Pty Ltd
(21) 2023902268 (22) 15.07.2023
(54) Conveyor Belt Scraper

(71) DASH Engineering Pty Ltd
(21) 2023902181 (22) 06.07.2023
(54) Dead Shaft Pulley Assembly

(71) de Geeter, P.J.
(21) 2023902206 (22) 10.07.2023
(54) OWEC(2)

(71) De Leo, U.
(21) 2023902273 (22) 16.07.2023
(54) Easy energy

(71) Ecoganic Pty Ltd
(21) 2023902214 (22) 11.07.2023
(54) A disease resistant crop plant and method of generation thereof

(71) Ehmer, B.
(21) 2023902243 (22) 13.07.2023
(54) Design for cleaning smooth surfaces

(71) FAIRBANKS, W.; Field, w.
(21) 2023902256 (22) 13.07.2023
(54) XAPLEX SMART COIN

Field, w. see FAIRBANKS, W.
(21) 2023902256

(71) FieldMicro Pty Ltd
(21) 2023902198 (22) 09.07.2023
(54) Device for remote control & automation of process infrastructure & equipment.

(71) Fisher & Paykel Appliances Limited
(21) 2023902241 (22) 13.07.2023
(54) A LAUNDRY MACHINE AND MOTOR FOR DRIVING THE LAUNDRY MACHINE

(71) FISHER & PAYKEL APPLIANCES LIMITED
(21) 2023902246 (22) 13.07.2023
(54) EXTRACTOR UNIT

(71) Food Secure P/L; White, R.
(21) 2023902242 (22) 13.07.2023
(54) Data system to control and engineer out cross contamination and incorrect labelling of allergens in food,

(71) Frontline Trading Pty Ltd
(21) 2023902276 (22) 17.07.2023
(54) MODULAR RUBBER DISABILITY RAMP

(71) Gaida, J.C.
(21) 2023902229 (22) 11.07.2023
(54) Apparatus for Controlling Fluid Flow and Method thereof

(71) Glencore Technology Pty Limited
(21) 2023902216 (22) 11.07.2023
(54) A method for the pyrometallurgical recycling of end-of-life batteries

(71) GMA Garnet Pty Ltd
(21) 2023902277 (22) 17.07.2023
(54) Magnetic separation processing of garnet minerals

(71) GoLogic Group Pty Ltd
(21) 2023902265 (22) 14.07.2023
(54) Communications System and Method

(71) Gomez, R.
(21) 2023902250 (22) 13.07.2023
(54) De-Carbonising The shipping Industry

(71) Griffiths, J.; Jackson, N.; Tulloch, B.
(21) 2023902213 (22) 10.07.2023
(54) Split Symbol Analysis

(71) Gunthorpe, C.
(21) 2023902200 (22) 09.07.2023
(54) PERSONAL AIR COOLING SYSTEM

(71) HCSL Pty Ltd
(21) 2023902182 (22) 06.07.2023
(54) Structural Assembly and Structural Element Therefor

(71) HERRIDGE, R.; BROWNFIELD, L.; MACKNIGHT, R.
(21) 2023902215 (22) 11.07.2023
(54) METHODS AND COMPOSITIONS FOR PRODUCING INBRED LINES AND F1 HYBRIDS FROM SELF-INCOMPATIBLE SPECIES

HUDDART, B. see CASSE, B.
(21) 2023902278

(71) Hydro Harness Pty Ltd
(21) 2023902257 (22) 14.07.2023
(54) Hydration system

(71) Hyperion Systems Pty Ltd
(21) 2023902230 (22) 11.07.2023
(54) APPARATUS AND METHOD FOR MANUFACTURING THREE-DIMENSIONAL OBJECTS

(71) Hysential Pty Ltd
(21) 2023902212 (22) 10.07.2023
(54) Apparatus and Method for Refilling Hygiene Pods

(71) Icon23 Pty Ltd
(21) 2023902233 (22) 12.07.2023
(54) A beverage container assembly

(71) Illinois Tool Works Inc.
(21) 2023902239 (22) 12.07.2023
(54) IMPROVED TRUSS BRACING MEMBER

(71) IP Reserve Pty Ltd
(21) 2023902192 (22) 07.07.2023
(54) PLASTIC RECYCLING

Jackson, N. see Griffiths, J.
(21) 2023902213

(71) Jafarzadeh, M.
(21) 2023902185 (22) 07.07.2023
(54) A feeding utensil

(71) Jayaram, N.
(21) 2023902179 (22) 06.07.2023
(54) FLOATING SHIP-SHAPED LNG/LPG POWERED COMPUTER DATA CENTER WITH INTEGRAL POWER GENERATION, INLET AIR, COMPUTER DATA CENTER COOLING AND RE-GASSIFICATION

(71) KAPTURE IP HOLDINGS PTY LTD
(21) 2023902226 (22) 11.07.2023
(54) A GAS CAPTURE DEVICE, METHOD AND FLUID

(71) Keam, S.
(21) 2023902267 (22) 14.07.2023
(54) Shoelace Fastener

Provisional Applications Filed - Name Index cont'd

(71) Kidd, M.
(21) 2023902269 (22) 15.07.2023
(54) Artificial intelligence tool where inputs about an individual's health such as but not limited to medical conditions, medications, side effects and tolerance. The outputs will determine optimal medications including deprescribing, recommended tests and lifestyle changes to increase a patient's overall health outcome.

(71) Leane, P.
(21) 2023902222 (22) 11.07.2023
(54) A process to pre-digest breads, pastries and pasta products

Le Nair, D. see Stingas, G.
(21) 2023902194

(71) LIQUIM PTY LTD
(21) 2023902171 (22) 06.07.2023
(54) NATURAL-ORIGIN BIOADHESIVE, BIODEGRADABLE FACE SKIN MICROFILM PRIMER COMPOSITION AND METHOD OF USE

(71) Logozzo, F.
(21) 2023902271 (22) 16.07.2023
(54) Tracer wire fitted /embedded into poly ,pex or non ductile water or gas lines and all fittings ,to allow worker to locate lines when fitted underground, in cavity areas , roofs etc , for leak detection or fixing purposes

(71) LT Plumbing
(21) 2023902183 (22) 07.07.2023
(54) Ligature Resistant Trench Grate

(71) Lu, G.
(21) 2023902172 (22) 06.07.2023
(54) Diverting belt

(71) Lucson (Australia) Pty Ltd
(21) 2023902207 (22) 10.07.2023
(54) A real time online service request configuration system

(71) MACKAY, S.
(21) 2023902202 (22) 10.07.2023
(54) Aposomes

(71) Mackenzie, B.
(21) 2023902237 (22) 12.07.2023
(54) Emergency Awareness Receiver

MACKNIGHT, R. see HERRIDGE, R.
(21) 2023902215

(71) Materials Handling Systems Australia Pty Ltd
(21) 2023902187 (22) 07.07.2023
(54) A BULK CONTAINER

(71) Mensard Pty Ltd
(21) 2023902254 (22) 13.07.2023
(54) System for determining a race finish time for a swimming athlete

(71) MetaChip Pty. Ltd.
(21) 2023902272 (22) 16.07.2023
(54) Data Processor

(71) Minetek Investments Pty Ltd
(21) 2023902173 (22) 06.07.2023
(54) Fan Arrangement, Impeller and associated Method of Manufacture

(71) Monash University
(21) 2023902232 (22) 12.07.2023
(54) A CAPACITIVE ENERGY STORAGE DEVICE

(71) Morrison, L.
(21) 2023902175 (22) 06.07.2023
(54) A weighted magnetic hemline attachment

(71) Nelson, A.
(21) 2023902197 (22) 09.07.2023
(54) Treatment for tinnitus

(71) Nelson, P.
(21) 2023902201 (22) 09.07.2023
(54) SYSTEM AND METHOD

(71) NeoGenix Biosciences
(21) 2023902249 (22) 13.07.2023
(54) Microfluidic device for separating motile cells from non-motile cells

(71) NewSouth Innovations Pty Limited; The University of Sydney
(21) 2023902227 (22) 11.07.2023
(54) Liquid Metal Battery

(71) Novalith Technologies Pty LTD
(21) 2023902251 (22) 13.07.2023
(54) Lithium Recovery from Lithium Iron Phosphate

(71) Nowland, J.
(21) 2023902231 (22) 11.07.2023
(54) Enhanced soil auger for scientific purpose.

(71) Peloton Resources Pty Ltd
(21) 2023902223 (22) 11.07.2023
(54) Method For Valorising Red Mud

(71) Pettit, C.
(21) 2023902255 (22) 13.07.2023
(54) FAFCOU - FOREVER A FAN CASKET OR URN

(71) PMC Designs Australia Pty Ltd
(21) 2023902236 (22) 12.07.2023
(54) Wheel Cleaner

(71) Punch International Trust
(21) 2023902252 (22) 13.07.2023
(54) Coupling arrangement for use with an exercise or training aid

(71) RFG Importing Pty Ltd
(21) 2023902240 (22) 12.07.2023
(54) A tailgate bike pad

(71) RIDGIDIDGE (NQ) Pty Ltd
(21) 2023902260 (22) 14.07.2023
(54) ANIMAL TREATMENT APPARATUS AND METHOD

(71) Roar Equipment Pty Ltd
(21) 2023902176 (22) 06.07.2023
(54) IMPROVED DISPLAY CABINET APPARATUS AND METHOD

(71) ROWNEY, R.
(21) 2023902262 (22) 14.07.2023
(54) CARPET STRETCHING TOOL WITH INTEGRAL POWERED STROKE ACTUATOR

(71) RYAN NT INTERNATIONAL PTY LTD
(21) 2023902274 (22) 16.07.2023
(54) PRESS WHEEL

(71) Saluda Medical Pty Ltd
(21) 2023902266 (22) 14.07.2023
(54) Improved analysis of mixed electrophysiological responses to neural stimulation

(71) Sanders, J.
(21) 2023902180 (22) 06.07.2023
(54) A powered snowboard which provides positive traction and that is maneuverable when unpowered.

(71) seward, k.
(21) 2023902279 (22) 17.07.2023
(54) Trigger Aid for push button spray can

Provisional Applications Filed - Name Index cont'd

(71) Stingas, G.; Le Nair, D.
 (21) 2023902194 (22) 07.07.2023
 (54) Estrobe: 3D LED multi-colour in built camera effect synchronised with music beat/tonerhythm to create a range of flashing multi-coloured patterns for mobile phone hardware or applications utilised for entertainment purposes for personal and/or venue/stadium crowds.

(71) SUREFOOT IP HOLDINGS PTY LTD
 (21) 2023902186 (22) 07.07.2023
 (54) GROUND ENGAGING APPARATUS FOR LIGHT DUTY APPLICATIONS

(71) Swinburne University of Technology
 (21) 2023902184 (22) 07.07.2023
 (54) A METHOD OF FORMING A CARBIDE-COMPLEX CONCENTRATED ALLOY COMPOSITE POWDER

(71) Telix International Pty Ltd
 (21) 2023902248 (22) 13.07.2023
 (54) Humanised antibodies and uses thereof

(71) TFH Hire Services Pty Ltd
 (21) 2023902263 (22) 14.07.2023
 (54) "A Retainer For A Temporary Fence"

(71) The University of Queensland
 (21) 2023902244 (22) 13.07.2023
 (54) INORGANIC OXIDE PARTICLES FOR DELIVERY OF ACTIVES

(71) The University of Sydney
 (21) 2023902217 (22) 11.07.2023
 (54) Heart valve replacement

The University of Sydney see NewSouth Innovations Pty Limited
 (21) 2023902227

(71) Titomic Limited
 (21) 2023902178 (22) 06.07.2023
 (54) Gradient Material Structure

(71) TOM
 (21) 2023902195 (22) 07.07.2023
 (54) Optimized Cyclic Redundancy Check

Tulloch, B. see Griffiths, J.
 (21) 2023902213

(71) Uniseg Products Pty Ltd
 (21) 2023902177 (22) 06.07.2023
 (54) LIQUID EVAPORATOR SYSTEM

(71) University of South Australia
 (21) 2023902228 (22) 11.07.2023
 (54) Fluidic Device for Electrochemical Sensing

(71) University of Tasmania
 (21) 2023902235 (22) 12.07.2023
 (54) CONDUCTIVE POLYMERS AND POLYMER-DERIVED CERAMICS

(71) URBAN DIGGERS PTY LTD
 (21) 2023902174 (22) 06.07.2023
 (54) SEPARABLE OBJECT HOLDER

(71) Virex Pharma Ltd
 (21) 2023902211 (22) 10.07.2023
 (54) Carrier Composition

(71) Vow Group Pty Ltd
 (21) 2023902224 (22) 11.07.2023
 (54) Apparatus and method for producing a cultivated food product

(71) V-TOL Aerospace Pty Ltd
 (21) 2023902189 (22) 07.07.2023
 (54) A carrier for a drone

(71) Waikatolink Limited
 (21) 2023902245 (22) 13.07.2023
 (54) A Battery Measurement System

White, R. see Food Secure P/L
 (21) 2023902242

(71) Williams, K.
 (21) 2023902234 (22) 12.07.2023
 (54) Spare Tyre Vehicle Sign

(71) Wood, M.
 (21) 2023902199 (22) 09.07.2023
 (54) Caffeinated Energy Chewing Gum

(71) Wood, R.
 (21) 2023902210 (22) 10.07.2023
 (54) A fixed mount for a tally counter

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2023902175	Morrison, L.	2023902243	Ehmer, B.
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2023902189	V-TOL Aerospace Pty Ltd	2023902257	Hydro Harness Pty Ltd
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2023902194	Stingas, G.; Le Nair, D.	2023902261	Brown, G.
2023902195	TOM	2023902262	ROWNEY, R.
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2023902200	Gunthorpe, C.	2023902267	Keam, S.
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2023902203	Adjokatse, J.; Adjokatse, J.	2023902270	Capon, J.
2023902204	Circular Solar Solutions Pty Ltd	2023902271	Logozzo, F.
2023902205	CVG Developments Pty Ltd	2023902272	MetaChip Pty. Ltd.
2023902206	de Geeter, P.J.	2023902273	De Leo, U.
2023902207	Lucson (Australia) Pty Ltd	2023902274	RYAN NT INTERNATIONAL PTY LTD
2023902208	AFC Energy plc	2023902275	Cognify Pty Ltd
2023902209	AFC Energy plc	2023902276	Frontline Trading Pty Ltd
2023902210	Wood, R.	2023902277	GMA Garnet Pty Ltd
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2023902212	Hysential Pty Ltd	2023902279	seward, k.
2023902213	Griffits, J.; Jackson, N.; Tulloch, B.		
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2023902230	Hyperion Systems Pty Ltd		
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2023902237	Mackenzie, B.		
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Complete Applications Filed

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Applications listed below were processed through the Patent Office Canberra during the period ending 11 Jul 2023 .

. (*) Title not in Roman characters

. (**) Title not given

(71) Abbott Diabetes Care Inc. (21) 2023204567 (22) 10.07.2023 (54) Analyte sensors and sensing methods for dual detection of glucose and ethanol (62) 2020216330	(71) Apton Biosystems, Inc. (21) 2023204394 (22) 07.07.2023 (54) Digital analysis of molecular analytes using electrical methods (62) 2020277153	(71) Ceox Technologies Ltd (21) 2023204362 (22) 06.07.2023 (54) MECHANICAL/ELECTRICAL POWER GENERATION SYSTEM (62) 2018263371
(71) Agriculture Victoria Services Pty Ltd (21) 2023204395 (22) 07.07.2023 (54) Endophytes and related methods (5) (62) 2020289812	(71) Aristocrat Technologies, Inc. (21) 2023204636 (22) 12.07.2023 (54) SYSTEMS AND METHODS FOR DYNAMIC MONITOR DETECTION IN ELECTRONIC GAMING (31) 17/957,798 (32) 30.09.22 (33) US 63/370,372 03.08.22 US	(71) CHANGZHOU INSTITUTE OF TECHNOLOGY (21) 2023204588 (22) 11.07.2023 (54) Electrochemical Method for Preparing N-alkyl Sulfoximide
(71) air up group GmbH (21) 2023204387 (22) 07.07.2023 (54) Drinking device (62) 2019400494	(71) Aus Group Alliance Pty Ltd (21) 2023204377 (22) 06.07.2023 (54) Moulded cladding panel (62) 2018229685	(71) CHANGZHOU INSTITUTE OF TECHNOLOGY (21) 2023204590 (22) 11.07.2023 (54) MONITORING AND EARLY WARNING SYSTEM FOR SAFETY DRIVING STATES OF AUTOMOBILE DRIVER (31) 2022115880437 (32) 12.12.22 (33) CN
(71) AMARIN PHARMACEUTICALS IRELAND LIMITED (21) 2023204347 (22) 06.07.2023 (54) USE OF EICOSAPENTAENOIC ACID ETHYL ESTER FOR TREATING HYPERTRIGLYCERIDEMIA (62) 2020277209	(71) BAKER, S. (21) 2023204596 (22) 11.07.2023 (54) A SAFETY SYSTEM FOR A PEDESTRIAN CROSSING (31) 2022901935 (32) 12.07.22 (33) AU	(71) Charles Sturt University (21) 2023204397 (22) 07.07.2023 (54) Livestock supplement and use thereof (62) 2017358060
(71) AMERSON Global Gaming Pty Ltd (21) 2023204417 (22) 07.07.2023 (54) Gaming apparatus and method (62) 2018295564	(71) Beam Therapeutics Inc. (21) 2023204605 (22) 12.07.2023 (54) Compositions and methods for treating hemoglobinopathies (62) 2023201773	(71) Chia Tai Tianqing Pharmaceutical Group Co., Ltd. (21) 2023204386 (22) 07.07.2023 (54) N-heterocyclic five-membered ring-containing capsid protein assembly inhibitor, pharmaceutical composition thereof, and use thereof (62) 2019241321
(71) Angel Group Co., Ltd. (21) 2023204403 (22) 07.07.2023 (54) Management system of gaming chips and storage box (62) 2021202805	(71) Beijing Tusen Zhitu Technology Co., Ltd. (21) 2023204626 (22) 12.07.2023 (54) Method, apparatus, electronic device and medium for target state estimation (31) 202210837658.2 (32) 15.07.22 (33) CN	(71) Children's Hospital & Research Center at Oakland (21) 2023204391 (22) 07.07.2023 (54) Factor H binding protein variants and methods of use thereof (62) 2021203828
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(71) Antecip Bioventures II LLC (21) 2023204348 (22) 06.07.2023 (54) COMBINATION OF DEXTROMETHORPHAN AND BUPROPION FOR TREATING DEPRESSION (62) 2020207261	(71) Boston Scientific Scimed, Inc. (21) 2023204406 (22) 07.07.2023 (54) Tissue clipping device (62) 2020321811	(71) CNH Industrial Canada, Ltd. (21) 2023204354 (22) 06.07.2023 (54) Infeed system for bale wrapping machine (62) 2020315421
(71) Apple Inc. (21) 2023204396 (22) 07.07.2023 (54) User interface for audio message (62) 2022201532		

Complete Applications Filed - Name Index cont'd

(71) Coates, D.
(21) 2023204493 (22) 10.07.2023
(54) Exercise / Fitness Mat with hand and feet positions

(71) Commonwealth Scientific and Industrial Research Organisation
(21) 2023204563 (22) 10.07.2023
(54) Method and system for use in performing localisation
(62) 2018326401

(71) Coplin, N.
(21) 2023204602 (22) 12.07.2023
(54) An Electronic Module that supports Screenless Coding via tangible electronic coding elements
(31) 2022901951 (32) 13.07.22 (33) AU

(71) Cripps Clark, J.
(21) 2023204365 (22) 06.07.2023
(54) FrAlmWork – consolidations of DETPAT invention (block chain processing ...) helping ensure AI is applied safely & can be effectively regulated for wide use in distributed information system processing of any kind. Extra consumer protection models & levels of data standardization & verifiability are included to better support AI making support AI making better trans-economy & trans-industry productivity improvements, & enable a controlled environment for AI-enhanced activities related to confidential information including related to health risk prevention & confidence in emissions verity.
(62) 2021202215, 2021218217, 2021232845, 2021236587, 2021261831, 2022201926, 2022202704, 2022203235, 2022205250, 2022209201, 2022209202, 2022215299, 2022224795, 2022228135, 2022228224, 2022259783, 2023200086, 2023201021, 2023201205, 2023202418, 2023202646, 2023203178, 2023203325, 2023204006

(71) Donovan Group Holdings Limited
(21) 2023204383 (22) 07.07.2023
(54) IMPROVEMENTS IN, OR RELATING TO, CONSTRUCTION BRACING
(62) 2018256558

(71) Elektrofi, Inc.
(21) 2023204413 (22) 07.07.2023
(54) Formation of particles including agents
(62) 2018306303

(71) Eli Lilly and Company
(21) 2023204569 (22) 10.07.2023

(54) PD-1 Agonist Antibodies And Uses Thereof
(62) 2019228474

(71) Encoded Therapeutics, Inc.
(21) 2023204555 (22) 10.07.2023
(54) Compositions and methods for selective gene regulation
(62) 2020282352

(71) Fenix Group, Inc.
(21) 2023204368 (22) 06.07.2023
(54) Multiple communication modes and network services in a self-contained unit
(62) 2021217008

(71) Full Circle International, Inc.; Annis, K.
(21) 2023204585 (22) 11.07.2023
(54) Sanding Tool with Intermediate Adapter Pad
(31) 63/389495 (32) 15.07.22 (33) US
18/219415 07.07.23 US

(71) Gallagher Group Limited
(21) 2023204402 (22) 07.07.2023
(54) An Antenna for a RFID System
(62) 2021203091

(71) GlycoMimetics, Inc.
(21) 2023204344 (22) 06.07.2023
(54) Highly potent multimeric E-selectin antagonists
(62) 2017341065

(71) Greatcell Energy Limited
(21) 2023204564 (22) 10.07.2023
(54) A Photovoltaic Device
(62) 2021204722

(71) Guo, Y.
(21) 2023204310 (22) 05.07.2023
(54) Catalytic furnace for air separation process total hydrocarbon reaction and use method thereof
(31) CN202211088077.X(32) 10.11.22 (33) CN

(71) Halliburton Energy Services, Inc.
(21) 2023204412 (22) 07.07.2023
(54) STRATEGIC FLEXIBLE SECTION FOR A ROTARY STEERABLE SYSTEM
(62) 2018276939

(71) Heineken Supply Chain B.V.
(21) 2023204351 (22) 06.07.2023
(54) Beverage dispensing assembly and beverage container
(62) 2017291630

(71) HONEYWELL INTERNATIONAL INC.
(21) 2023204414 (22) 07.07.2023

(54) APPARATUSES, COMPUTER-IMPLEMENTED METHODS, AND COMPUTER PROGRAM PRODUCTS FOR DUAL-HORIZON OPTIMIZATION OF A PROCESSING PLANT
(31) 63/369938 (32) 30.07.22 (33) US
18/184286 15.03.23 US

(71) Howmedica Osteonics Corp.
(21) 2023204376 (22) 06.07.2023
(54) Bone density modeling and orthopedic surgical planning system
(62) 2019398314

(71) HYTORC Division UNEX Corporation
(21) 2023204370 (22) 06.07.2023
(54) Apparatus for tightening threaded fasteners
(62) 2017308825

(71) IHI Corporation
(21) 2023204652 (22) 13.07.2023
(54) Power control device, power control method, and power control program
(31) 2022-147175 (32) 15.09.22 (33) JP

(71) Immutep S.A.S.
(21) 2023204589 (22) 11.07.2023
(54) ANTI-LAG-3 ANTIBODIES
(62) 2016316730

(71) Infant Health, Inc
(21) 2023204422 (22) 10.07.2023
(54) Method for facilitating maturation of the mammalian immune system
(62) 2017290900

(71) IPH International Pty Ltd
(21) 2023204390 (22) 07.07.2023
(54) Security door system
(62) 2018265773

(71) Joy Global Underground Mining LLC
(21) 2023204586 (22) 11.07.2023
(54) Offboard monitoring system
(31) 63/388,454 (32) 12.07.22 (33) US

(71) Jungle X Corp.
(21) 2023204410 (22) 07.07.2023
(54) Information provision device, information provision method, and information provision program
(62) 2020312949

(71) JUUL Labs, Inc.
(21) 2023204367 (22) 06.07.2023
(54) Anemometric-assisted control of a vaporizer
(62) 2017307602

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(71) Kortuc Inc.
(21) 2023204358 (22) 06.07.2023
(54) Hydrogen peroxide solution-prefilled syringe having excellent hydrogen peroxide preservability by virtue of silicone oil (oil composition containing said silicone oil)
(62) 2020254639

(71) Lam, T.T.
(21) 2023204420 (22) 09.07.2023
(54) MACHINE LEARNING BASED OPTIMAL CONTROL SYSTEM FOR FLOATING SOLAR POWER PLANTS
(31) 2023900824 (32) 24.03.23 (33) AU

(71) LG Electronics Inc.
(21) 2023204338 (22) 06.07.2023
(54) REFRIGERATOR
(62) 2021204016

(71) LG Electronics Inc.
(21) 2023204339 (22) 06.07.2023
(54) Refrigerator
(62) 2019354475

(71) LG Electronics Inc.
(21) 2023204359 (22) 06.07.2023
(54) REFRIGERATOR
(62) 2019352421

(71) LG Electronics Inc.
(21) 2023204363 (22) 06.07.2023
(54) REFRIGERATOR AND CONTROL METHOD THEREOF
(62) 2019354482

(71) LG Electronics Inc.
(21) 2023204372 (22) 06.07.2023
(54) Washing machine
(62) 2021201232

(71) LG Electronics Inc.
(21) 2023204379 (22) 06.07.2023
(54) Refrigerator
(62) 2019379045

(71) LG Electronics Inc.
(21) 2023204381 (22) 06.07.2023
(54) Laundry treating apparatus
(62) 2021229242

(71) LG Electronics Inc.
(21) 2023204576 (22) 11.07.2023
(54) Image decoding method and device in accordance with block split structure in image coding system
(62) 2022209312

(71) Liebherr-Electronics and Drives GmbH
(21) 2023204416 (22) 07.07.2023

(54) Method for supplying a construction site with electrical energy and energy supply station for the electrification of construction sites
(31) 10 2022 117 640.1 (32) 14.07.22 (33) DE

(71) Macdonald, J.
(21) 2023204574 (22) 10.07.2023
(54) An apparatus for vessel drag reduction and planetary cooling
(31) 2022901737 (32) 23.06.22 (33) AU

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(21) 2023204600

(71) MAS Innovation (Private) Limited
(21) 2023204375 (22) 06.07.2023
(54) ABSORBENT PAD FOR A GARMENT
(62) 2020326302

(71) Mayo Foundation for Medical Education and Research
(21) 2023204566 (22) 10.07.2023
(54) Electroporation for obesity or diabetes treatment
(62) 2021240126

(71) Maytronics Ltd
(21) 2023204610 (22) 12.07.2023
(54) WATER TURBIDITY EVALUATION USING IMAGE SENSOR
(31) 294718 (32) 12.07.22 (33) IL

(71) Media Cart Holdings, Inc.
(21) 2023204336 (22) 06.07.2023
(54) Media enabled shopping cart system and associated methods
(62) 2021211970

(71) Memorial Sloan-Kettering Cancer Center
(21) 2023204373 (22) 06.07.2023
(54) Cell-based treatment and drug discovery in Hirschsprung's disease enabled by pluripotent stem cell-derived human enteric neural crest lineages
(62) 2016377701

(71) MHWirth GmbH
(21) 2023204415 (22) 07.07.2023
(54) Pulsation Damping System
(62) 2019266890

(71) Miller, K.
(21) 2023204572 (22) 10.07.2023
(54) Modular grilling apparatus

(71) Mindera Corporation; The Scripps Research Institute
(21) 2023204575 (22) 10.07.2023

(54) METHODS AND DEVICES FOR DETECTION AND ACQUISITION OF BIOMARKERS
(62) 2020239750

(71) Minelab Electronics Pty. Limited
(21) 2023204592 (22) 11.07.2023
(54) AN IMPROVED METAL DETECTOR
(31) 2022901968 (32) 14.07.22 (33) AU

(71) Modulate Containers Pty Ltd
(21) 2023204374 (22) 06.07.2023
(54) Modified widened container
(62) 2021204208

(71) Move Cubes PTY LTD
(21) 2023204582 (22) 11.07.2023
(54) CLEANING SYSTEM FOR A WATER POOL
(31) 2022902003 (32) 17.07.22 (33) AU

Nipro Corporation see Sapporo Medical University
(21) 2023204405

(71) Nkisu Pty. Ltd
(21) 2023204380 (22) 06.07.2023
(54) A cider drink from Alliaceae ingredients with health benefits

(71) Nuggets Limited
(21) 2023204423 (22) 10.07.2023
(54) Data protection system and method
(62) 2017307295

(71) Onegene Biotechnology Inc.
(21) 2023204533 (22) 10.07.2023
(54) LINEAR POLYFUNCTIONAL MULTIMER BIOMOLECULE COUPLED TO POLYUBIQUITIN LINKER AND USE THEREOF
(62) 2019276622

(71) Phico Therapeutics Ltd
(21) 2023204409 (22) 07.07.2023
(54) Modified bacteriophage
(62) 2017246593

(71) Plim, A.
(21) 2023204709 (22) 16.07.2023
(54) Heavy Duty Screw Jack system of Joinery
(31) 2022901636 (32) 16.06.22 (33) AU

(71) Quest Diagnostics Investments LLC
(21) 2023204389 (22) 07.07.2023
(54) Quantitation of tamoxifen and metabolites thereof by mass spectrometry
(62) 2022202628

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(71) Roofskate.com
(21) 2023204334 (22) 05.07.2023
(54) Roofskate

(71) Roy, D.
(21) 2023204601 (22) 12.07.2023
(54) Lifting handle bar attachment for the front end of a wheelbarrow.

(71) Safariland, LLC
(21) 2023204578 (22) 11.07.2023
(54) Holster
(31) 18/219,201 (32) 07.07.23 (33) US
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(71) Sapporo Medical University; Nipro Corporation
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Innovation Patent Applications Filed**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 11 Jul 2023 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) LU, Y.
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Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

Reference to the application numbers must include the year of the application of the patent, which is shown preceding the numbers.

The codes next to each number have the following meanings:

Code Meaning

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)

- A Applications on which examination has not been requested or directed
- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
- F Patents on which an examination has been requested or report issued
- G Patents Certified

- N Applications not Open to Public Inspection

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2017261797 Alert Innovation Inc. The application has been assigned to **Walmart Apollo, LLC**

2017311046 Heine, Thomas; Ahrens, Brandon The application has been assigned to **Explosive Alternatives, Inc.**

2017362508 Alert Innovation Inc. The application has been assigned to **Walmart Apollo, LLC**

2017366895 Alert Innovation Inc. The application has been assigned to **Walmart Apollo, LLC**

2018

2018215091 Alert Innovation Inc. The application has been assigned to **Walmart Apollo, LLC**

2018252292 Y.E.S. S.r.l. Young Ecology Society The application has been assigned to **Eco Sistem San Felice S.r.l**

2019

2019201279 Revroof Pty Ltd The application has been assigned to **REVOLUTION BY DG PTY LTD**

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2019318562 NILL, Lance The application has been assigned to **LN1 INC.**

2019337759 Nanjing Legend Biotech Co., Ltd. The application has been assigned to **LEGEND BIOTECH USA INC.**

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2020314509 Nanjing Legend Biotech Co., Ltd. The application has been assigned to **Legend Biotech USA Inc.**

2020336791 Nanjing Legend Biotech Co., Ltd. The application has been assigned to **LEGEND BIOTECH USA INC.**

2020349353 Mereo Biopharma 4 Limited; Duke University; National Cancer Institute The application has been assigned to **The United States of America as represented by The Secretary, Department of Health and Human Services; Mereo Biopharma 4 Limited; Duke University**

2020395766 Wring, Stephen; Symonds, William; Crizer, Katelyn; Hastedt, Jayne; Palacios, Michelle; Altavant Sciences GmbH; Lortie, Brian; Baranowski, Lyn; Kilgore, Kenneth; Bishop, James The application has been assigned to **Onspira Therapeutics, Inc.**

2021

2021204720 Alert Innovation Inc. The application has been assigned to **Walmart Apollo, LLC**

2021271402 The Heart Research Institute Ltd; The University of Sydney The application has been assigned to **The Heart Research Institute Ltd**

2021277585 Altavant Sciences GmbH The application has been assigned to **Onspira Therapeutics, Inc.**

2021281268 Alert Innovation Inc. The application has been assigned to **Walmart Apollo, LLC**

2021300141 Yuzu LLC The application has been assigned to **Yuzu LV LLC**

2021307644 Nanjing Legend Biotech Co., Ltd. The application has been assigned to **Legend Biotech USA Inc.**

2021308745 Nanjing Legend Biotech Co., Ltd. The application has been assigned to **Legend Biotech USA Inc.**

2021309145 Nanjing Legend Biotech Co., Ltd. The application has been assigned to **Legend Biotech USA Inc.**

2021309295 APPLAUSE PHARMA CO., LTD. The application has been assigned to **mitsui mining & smelting co., ltd.; AP-PLAUSE PHARMA CO., LTD.**

2021310237 Nanjing Legend Biotech Co., Ltd. The application has been assigned to **Legend Biotech USA Inc.**

Assignments before Grant, Section 113

2021311567 Eccogene (Shanghai) Co., Ltd. The application has been assigned to **ECCOGENE INC.**

2021385745 ANRUI BIOMEDICAL TECHNOLOGY (GUANGZHOU) CO., LTD. The application has been assigned to **Allorion Therapeutics Inc**

2022

2022279406 Bruce, Stephen; Bruce, Rodney; Hayes, Brett The application has been assigned to **Bruce, Stephen**

2022368370 WEBIOTREE CO., LTD.; CNPHARM CO., LTD. The application has been assigned to **CNPHARM CO., LTD.**

2022901973 Teoh, Wey Yang; Lau, Albert Pui Sang; Bing, Chen The application has been assigned to **Epro Advance Technology Limited**

2023

2023900455 Mehrabadi, Abbas; Chuang, Chih-Chieh; Elgar, David Francis; Pritchard, Mark; Cakir-Fuller, Esra; FONTERRA CO-OPERATIVE GROUP LIMITED The application has been assigned to **FONTERRA CO-OPERATIVE GROUP LIMITED**

2023901336 ROCK INDUSTRY PTY LTD The application has been assigned to **ROCK INDUSTRY IP1 PTY LTD**

2023901629 ROCK INDUSTRY PTY LTD The application has been assigned to **ROCK INDUSTRY IP1 PTY LTD**

2023901641 Calil, Tom The application has been assigned to **ADVANCED CYBERNETICS R&D PTY LIMITED**

Extensions of Time, Section 223

Applications Received

Notice of opposition under Section 223(6) to the undermentioned application(s) for an extension of time may be lodged at the Patent Office within the prescribed time.

2012

2012254969 **Gribovsky, V.** An application to extend the time from 16 Nov 2022 to 16 Jun 2023 in which to pay a renewal fee has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

Applications Allowed - Section 223(2)

2004

2004274834 **QL Thermostatic Limited** The time in which to pay a renewal fee has been extended to 21 Apr 2023 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2007

2007219702 **EntryData Pty Ltd** The time in which to Respond to the Examiners Report has been extended to 03 Jul 2023 . Address for service - Wrays L7 863 Hay St Perth WA 6000 AU

Extensions of Time, Section 223

2017

2017325870 **Research Traingle Institute** The time in which to pay a renewal fee has been extended to 15 Apr 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2019

2019208322 **Taro Pharmaceutical Industries Ltd.** The time in which to request examination has been extended to 25 Feb 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2019238177 **Bedford Industries, Inc.** The time in which to request examination has been extended to 04 Apr 2023 . Address for service - Acacia Law PO Box 1279 Milton QLD 4064 AU

2023

2023201019 **Mina Therapeutics Limited** The time in which to comply with a direction under Reg 3.2A has been extended to 08 Jun 2023 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

2023201846 **EROAD Limited** The time in which to claim the convention priority date has been extended to 17 Apr 2023 . Address for service - Ellis Terry PO Box 10 932 Wellington 6140 NZ

2023203120 **Silverflow Technology Pty Ltd** The time in which to associate with a complete application has been extended to 14 May 2023 . Address for service - Silverflow Technology Pty Ltd Shop 27 101 Collins St Melbourne VIC 3000 AU

2023204307 **Nanovision Technology (Beijing) Co., Ltd.** The time in which to make a further application for a divisional patent has been extended to 10 Jul 2023 . Address for service - NANOVISION TECHNOLOGY (BEIJING) CO., LTD PO Box 194 South Perth WA 6951 AU

Amendments

Applications for Amendment

A person interested in opposing the allowance of amendments under Section 104 may at any time within two months from the date of this journal give notice at the Patent Office using the approved form accompanied by the prescribed fee.

A person who wishes to be heard in relation to a proposed Rectification of the Register must file a request to be heard within two months from the date of this journal.

2016

2016311454 Compositions and methods of improving specificity in genomic engineering using RNA-guided endonucleases **Duke University** The nature of the amendment is as shown in the statement(s) filed 19 Jun 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2017

2017326762 A floorplan visualisation system **Lifeseize Plans IP Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 12 Jun 2023 . Address for service - FOUNDRY INTELLECTUAL

Amendments

PROPERTY PTY LTD PO Box Q1466 Queen Victoria Building NSW 1230 AU

2017388564 Systems and methods for removing volatile compounds from water-storage tanks **Pax Water Technologies Inc.** The nature of the amendment is as shown in the statement(s) filed 05 Jul 2023 . Address for service - Wynnes Patent and Trade Mark Attorneys Pty Ltd Unit 4 27 Godwin St Bulimba QLD 4171 AU

2018

2018373436 Herbicidal pyridylethers **BASF SE** The nature of the amendment is as shown in the statement(s) filed 06 Jun 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2020

2020227014 METHODS OF USE FOR IL-22 IN THE TREATMENT OF GASTROINTESTINAL GRAFT VS. HOST DISEASE **Memorial Sloan-Kettering Cancer Center ; Evive Biotechnology (Shanghai) Ltd** The nature of the amendment is as shown in the statement(s) filed 08 Jun 2023 . Address for service - Phillips Ormonde Fitzpatrick Level 16 333 Collins Street Melbourne VIC 3000 AU

2020232109 Intra block coding-based video or image coding **LG Electronics Inc.** The nature of the amendment is as shown in the statement(s) filed 07 Jul 2023 . Address for service - Dentons Patent Attorneys Australasia Limited 18 Viaduct Harbour Avenue Auckland CBD 1142 NZ

2021

2021102100 SYSTEM FOR POWERING AND CONTROLLING AN ELECTRIC MOTOR **Indian Ocean Engineering Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 01 Jun 2023 . Address for service - Mann IP G 45 St Georges Tce Perth WA 6000 AU

2021201628 SYSTEM FOR POWERING AND CONTROLLING AN ELECTRIC MOTOR **Indian Ocean Engineering Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 01 Jun 2023 . Address for service - Mann IP G 45 St Georges Tce Perth WA 6000 AU

2021232776 Magnetically stabilized total hip replacement prosthesis **Fellowship of Orthopaedic Researchers, Inc.** The nature of the amendment is as shown in the statement(s) filed 12 Jul 2023 . Address for service - FB Rice Pty Ltd Level 23, 44 Market Street Sydney NSW 2000 AU

Amendments Made

2016

2016251687 **CureVac SE** The nature of the amendment is as shown in the statement filed 20 Jul 2021

2016344665 **F. Hoffmann-La Roche AG** The nature of the amendment is as shown in the statements filed 20 Feb 2023; 30 Mar 2023 and 19 Apr 2023

Amendments**2017**

2017224924 **Cancer Research Technology Limited** The nature of the amendment is as shown in the statement filed 04 Apr 2023

2018

2018313744 **ChemoCentryx, Inc.** The nature of the amendment is as shown in the statement filed 10 Feb 2023

2019

2019318087 **Dragonfly Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read CHANG, Gregory P.; CHEUNG, Ann F.; DU, Jinyan; GRINBERG, Asya; HANEY, William; LUNDE, Bradley M.; PRINZ, Bianca; FALLON, Daniel; O'NEIL, Steven and WEI, Ronnie

2020

2020331609 **Lau, C.H.; Lau, C.P.** The nature of the amendment is: Amend the invention title to read Glasses for Retarding Myopia Progression

2020344202 **Ceryx Medical Limited** The nature of the amendment is: Amend the name of the inventor to read NOGARET, Alain; PATON, Julian and CHAUHAN, Ashok Singh

2020480538 **HANSHOW TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read Hook structure for electronic shelf label

2021

2021202960 **Rytrans Manufacturing Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2021107679

2021206529 **ETH Zürich** The nature of the amendment is: Amend the name of the inventor to read GUILLET, Pascal Jonas; WINDHAB, Erich Josef; REINEKE, Kai and FRERICHS, Maike

2021245378 **Kerry Luxembourg S.à.r.l.** The nature of the amendment is: Amend the name of the inventor to read HULL, Richard S.; KIRMACI, Bilal; TOLEDO, Romeo and TOLEDO, Mo Mui

2021259323 **Absci Corporation** The nature of the amendment is: Amend the name of the inventor to read NUSCA, Tyler; KERS, Johan; WEINSTOCK, Matthew; DOERNER, Amy; CAMMARATA, Michael and WARD, Abigail

2021294863 **BURG LÜLING GMBH & CO. KG; USM U. Schärer Söhne AG** The nature of the amendment is: Amend the name of the inventor to read Backhaus, Dirk and Lüthi, Christian

2021302337 **Dräger Safety AG & Co. KGaA** The nature of the amendment is as shown in the statement filed 14 Apr 2023

2021368769 **VIELA BIO, INC.** The nature of the amendment is: Amend the name of the inventor to read SHE, Dewei; RATCHFORD, John; KATZ, Eliezer; REES, William and YAN, Li

2021382014 **RYCA INTERNATIONAL, INC.** The nature of the amendment is: Amend the name of the inventor to read Bayeh, Daniel;

Amendments

Brewer, Gerald K; Poole, Aaron; Redinger, Chris; Skidmore, Joe; Vainikka, Caleb; Williams, Heather and Wood, Charlie

2021391364 **HEGLA BORAIDENT GMBH & CO. KG** The nature of the amendment is: Amend the invention title to read Method for erasing a laser-induced marking of glass sheets as well as method and devices for marking and unmarking glass sheets, preferably basic glass sheets, preferably float glass sheets

2021393843 **SEQIRUS INC.** The nature of the amendment is: Amend the name of the inventor to read ALLEN, Pirada; DE SOUZA, Ivna; WEN, Yingxia; CHANG, Cheng and LEE, Changkeun

2021397601 **TOSHO, INC.** The nature of the amendment is: Amend the invention title to read MEDICINE FEEDER

2021401369 **GENODIVE PHARMA INC.** The nature of the amendment is: Amend the invention title to read Method for evaluating adaptor ligation efficiency in sequencing DNA sample

2021408983 **KAWASAKI JUKOGYO KABUSHIKI KAISHA** The nature of the amendment is: Amend the invention title to read PORTABLE CARGO HANDLING EQUIPMENT FOR LIQUID HYDROGEN AND EMERGENCY RELEASE METHOD

2021414736 **KAWASAKI JUKOGYO KABUSHIKI KAISHA** The nature of the amendment is: Amend the invention title to read Triple containment tank

2021415204 **SHANGHAI SMARTEE DENTI-TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read ORTHODONTIC SYSTEM, DESIGN METHOD THEREOF, AND METHOD FOR PREPARING ORTHODONTIC SYSTEM

2021418250 **NIHON MEDI-PHYSICS CO., LTD.; NATIONAL INSTITUTES FOR QUANTUM SCIENCE AND TECHNOLOGY** The nature of the amendment is: Amend the invention title to read RECOVERY METHOD OF Ra-226, PRODUCTION METHOD OF Ra-226 SOLUTION, AND PRODUCTION METHOD OF Ac-225 SOLUTION

2022

2022204095 **EL-Sallam, A.** The nature of the amendment is: Amend the invention title to read TRACKING, ANALYSING AND ASSESSMENT OF HUMAN BODY MOVEMENTS USING A SUBJECT-SPECIFIC DIGITAL TWIN MODEL OF THE HUMAN BODY

2022206140 **NIHON MEDI-PHYSICS CO., LTD.; NATIONAL INSTITUTES FOR QUANTUM SCIENCE AND TECHNOLOGY** The nature of the amendment is: Amend the invention title to read METHOD FOR PRODUCING Ac-225 SOLUTION AND METHOD FOR PRODUCING MEDICINE USING Ac-225 SOLUTION

2022206143 **KUREHA CORPORATION** The nature of the amendment is: Amend the invention title to read PLANT GROWTH REGULATOR OR METHOD FOR PROMOTING PLANT GROWTH

2022206448 **CAAMTECH, INC.** The nature of the amendment is: Amend the name of the inventor to read CHADEAYNE, Andrew R

Amendments

2022208429 **CAMBRIDGE COGNITION LIMITED** The nature of the amendment is: Amend the name of the inventor to read GRANGER, Kiri and BARNETT, Jennifer

2022229156 **CJ CHEILJEDANG CORPORATION** The nature of the amendment is: Amend the invention title to read Isopropylmalate syn-thase variant and a method of producing L-leucine using the same

2022233736 **TERNX HOLDINGS PTY LTD** The nature of the amendment is: Amend the name of the inventor to read Lo, Hoe Ping

2022355802 **FURUKAWA ELECTRIC CO., LTD.** The nature of the amendment is: Amend the invention title to read CABLE HOUSING CONTAINER

2022415577 **FURUKAWA ELECTRIC CO., LTD.** The nature of the amendment is: Amend the invention title to read CABLE HOUSING CONTAINER

2022903981 **Franklin-AI Pty Ltd** The nature of the amendment is: Amend the invention title to read Diagnostic data user interfaces

2023

2023201781 **The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College** The nature of the amendment is as shown in the statement filed 30 May 2023

2023201899 **Systems IP Pty Ltd** The nature of the amendment is: Amend the divisional priority details to read PCT/AU2022/051598

2023201900 **Systems IP Pty Ltd** The nature of the amendment is: Amend the divisional priority details to read PCT/AU2022/051598

2023201901 **Systems IP Pty Ltd** The nature of the amendment is: Amend the divisional priority details to read PCT/AU2022/051598

2023202418 **Cripps Clark, J.** The nature of the amendment is: Amend the divisional priority details to read 2022201926 and 2022203235

Alteration of Name(s) of Applicant(s)/Patentee(s)

2004

2004229407 **Wyeth Holdings Corporation** The name of the patentee has been altered to **Wyeth Holdings LLC**

2005

2005308910 **Klebchemie M.G. Becker GmbH & Co. KG** The name of the patentee has been altered to **Kleiberit SE & Co. KG**

2005318358 **Klebchemie M. G. Becker GmbH & Co. KG** The name of the patentee has been altered to **Kleiberit SE & Co. KG**

2010

2010238765 **Raptor Pharmaceuticals Inc.** The name of the patentee has been altered to **Horizon Orphan LLC**

Amendments

2010307431 **IHC Holland IE B.V.** The name of the patentee has been altered to **IQIP Holding B.V.**

2010313249 **RTMFP Enterprises Inc.** The name of the patentee has been altered to **BioJiva LLC**

2011

2011347578 **Klebchemie M.G. Becker GmbH & Co. KG** The name of the patentee has been altered to **Kleiberit SE & Co. KG**

2011347595 **Klebchemie M. G. Becker GmbH & Co. KG** The name of the patentee has been altered to **Kleiberit SE & Co. KG**

2012

2012233801 **IHC Holland IE B.V.** The name of the patentee has been altered to **IQIP Holding B.V.**

2012249917 **RTMFP Enterprises Inc.** The name of the patentee has been altered to **BioJiva LLC**

2012249918 **RTMFP Enterprises Inc.** The name of the patentee has been altered to **BioJiva LLC**

2012249920 **RTMFP Enterprises Inc.** The name of the patentee has been altered to **BioJiva LLC**

2012249921 **RTMFP Enterprises Inc.** The name of the patentee has been altered to **BioJiva LLC**

2013

2013225716 **Firststring Research, Inc.** The name of the patentee has been altered to **Xequel Bio, Inc.**

2013352635 **IHC Holland IE B.V.** The name of the patentee has been altered to **IQIP Holding B.V.**

2014

2014216796 **IHC Holland IE B.V.** The name of the patentee has been altered to **IQIP Holding B.V.**

2015

2015229240 **RTMFP Enterprises Inc.** The name of the patentee has been altered to **BioJiva LLC**

2016

2016203920 **Steinhoff Bedding Australia Pty Limited** The name of the patentee has been altered to **FutureSleep Pty Ltd**

2016216624 **RTMFP Enterprises Inc.** The name of the patentee has been altered to **BioJiva LLC**

2016256168 **Klebchemie M. G. Becker GmbH & Co. KG** The name of the patentee has been altered to **Kleiberit SE & Co. KG**

2016361227 **RTMFP Enterprises Inc.** The name of the patentee has been altered to **BioJiva LLC**

Amendments

2017

2017204523 IHC Holland IE B.V. The name of the patentee has been altered to **IQIP Holding B.V.**

2017225070 RTMFP Enterprises Inc. The name of the patentee has been altered to **BioJiva LLC**

2017317452 Bioverde Inc. The name of the patentee has been altered to **BMG Incorporated**

2017354122 Restorative Therapies The name of the applicant has been altered to **Restorative Therapies, Inc.**

2017363147 RTMFP Enterprises Inc. The name of the applicant has been altered to **BioJiva LLC**

2018

2018101569 Aunew Group Holdings Pty Ltd The name of the patentee has been altered to **AUNEW MANAGEMENT PTY LTD**

2018101572 Aunew Group Holdings Pty Ltd The name of the patentee has been altered to **AUNEW MANAGEMENT PTY LTD**

2018217931 Bayer Animal Health GmbH The name of the applicant has been altered to **Elanco Animal Health GmbH**

2018221221 FirstString Research, Inc. The name of the patentee has been altered to **Xequel Bio, Inc.**

2018329038 O-Net Communications (ShenZhen) Limited; ITF Technologies Inc. The name of the applicant has been altered to **O-Net Technologies (Shenzhen) Group Co., Ltd.; ITF Technologies Inc.**

2019

2019100625 Aunew Group Holdings Pty Ltd The name of the patentee has been altered to **AUNEW MANAGEMENT PTY LTD**

2019100632 Aunew Group Holdings Pty Ltd The name of the patentee has been altered to **AUNEW MANAGEMENT PTY LTD**

2019201942 Panasonic Appliances Cold Chain (Dalian) Co., Ltd. The name of the patentee has been altered to **Sonyo Cold Chain (Dalian) Co., Ltd.**

2019204443 RTMFP Enterprises Inc. The name of the patentee has been altered to **BioJiva LLC**

2019215219 CRUM, Lyle Abraham; BURGESS, William Andrew; BURGESS, Timothy D.; BISE, Douglas Edward; J.H. Fletcher & Co. The name of the applicant has been altered to **J.H. Fletcher & Co.**

2019226299 GE Global Sourcing LLC The name of the applicant has been altered to **Transportation IP Holdings, LLC**

2019233779 Woven Planet North America, Inc. The name of the patentee has been altered to **Woven by Toyota, U.S., Inc.**

Amendments

2019235504 Woven Planet North America, Inc. The name of the patentee has been altered to **Woven by Toyota, U.S., Inc.**

2019247762 RTMFP Enterprises Inc. The name of the applicant has been altered to **BioJiva LLC**

2019255739 RTMFP Enterprises Inc. The name of the applicant has been altered to **BioJiva LLC**

2019257541 RTMFP Enterprises Inc. The name of the patentee has been altered to **BioJiva LLC**

2019337636 Firststring Research, Inc. The name of the applicant has been altered to **Xequel Bio, Inc.**

2020

2020101770 Panasonic Appliances Cold Chain (Dalian) Co., Ltd. The name of the patentee has been altered to **Sonyo Cold Chain (Dalian) Co., Ltd.**

2020263515 Fuchs Petrolub SE The name of the applicant has been altered to **Fuchs SE**

2020277525 Nanjing Iaso Biotherapeutics Co., Ltd. The name of the applicant has been altered to **Nanjing IASO Biotechnology Co., Ltd.**

2020311900 FirstString Research, Inc. The name of the applicant has been altered to **Xequel Bio, Inc.**

2020326720 Axia Acquisition Corporation The name of the applicant has been altered to **Ames Tools Corporation**

2020327664 Swift Anchors Limited The name of the applicant has been altered to **Schottel Marine Technologies Ltd.**

2020359686 Her Majesty the Queen in Right of Canada as represented by the Minister of Natural Resources The name of the applicant has been altered to **His Majesty the King in right of Canada as represented by the Minister of Natural Resources**

2021

2021106811 Aunew Group Holdings Pty Ltd The name of the patentee has been altered to **AUNEW MANAGEMENT PTY LTD**

2021220981 RTMFP Enterprises Inc. The name of the applicant has been altered to **BioJiva LLC**

2021224854 RTMFP Enterprises Inc. The name of the applicant has been altered to **BioJiva LLC**

2021225202 RTMFP Enterprises Inc. The name of the applicant has been altered to **BioJiva LLC**

2021249031 Shinkei Therapeutics LLC The name of the applicant has been altered to **Shinkei Therapeutics, Inc**

Amendments

2021250615 Nanjing Iaso Biotherapeutics Co., Ltd. The name of the applicant has been altered to **Nanjing IASO Biotechnology Co., Ltd.**

2021251865 FirstString Research, Inc. The name of the applicant has been altered to **Xequel Bio, Inc.**

2021259350 Klebchemie M. G. Becker GmbH & Co. KG The name of the applicant has been altered to **Kleiberit SE & Co. KG.**

2021263106 Atlas Biotechnology S.A. The name of the applicant has been altered to **Ageronix SA**

2021291376 Klebchemie M. G. Becker GmbH & Co. KG The name of the applicant has been altered to **Kleiberit SE & Co. KG.**

2021294863 BURG F.W. Lüling KG; USM U. Schärer Söhne AG
The name of the applicant has been altered to **BURG LÜLING GMBH & CO. KG; USM U. Schärer Söhne AG**

2021298707 Nanjing Iaso Biotherapeutics Co., Ltd. The name of the applicant has been altered to **Nanjing IASO Biotechnology Co., Ltd.**

2021302154 Fuchs Petrolub SE The name of the applicant has been altered to **Fuchs SE**

2021329808 Exotanium, Inc. The name of the applicant has been altered to **EXOSTELLAR, INC.**

2021345181 ALUMIS, INC. The name of the applicant has been altered to **Alumis Inc**

2021397601 TOSHO, INC. The name of the applicant has been altered to **TOSHO, INC.**

2023

2023204024 RTMFP Enterprises Inc. The name of the applicant has been altered to **BioJiva LLC**

2023902170 LIQUIM PTY LTD The name of the applicant has been altered to **LIQUIM LIMITED**

2023902171 LIQUIM PTY LTD The name of the applicant has been altered to **LIQUIM LIMITED**

Applications Open to Public Inspection

Name Index

- . (*) Title not in Roman characters
- . (**) Title not given

(71) air up group GmbH
 (11) AU-A-2023204387
 (21) 2023204387 (22) 07.07.2023
 (54) Drinking device
 (51) Int. Cl.
A47G 19/22 (2006.01)
A47G 21/18 (2006.01)
B65D 47/06 (2006.01)
B65D 51/24 (2006.01)
 (43) 27.07.2023
 (62) 2019400494
 (72) JÄGER, Tim; JÜNGST, Magdalena; KOPPITZ, Jannis; SCHLANG, Fabian
 (74) Spruson & Ferguson

(71) AMARIN PHARMACEUTICALS IRELAND LIMITED
 (11) AU-A-2023204347
 (21) 2023204347 (22) 06.07.2023
 (54) USE OF EICOSAPENTAENOIC ACID ETHYL ESTER FOR TREATING HYPERTRIGLYCERIDEMIA
 (51) Int. Cl.
A61K 31/202 (2006.01)
A61P 3/06 (2006.01)
 (43) 27.07.2023
 (62) 2020277209
 (72) Manku, Mehar; Osterloh, Ian; Wicker, Pierre; Braeckman, Rene; Soni, Paresh
 (74) AJ PARK

(71) Angel Group Co., Ltd.
 (11) AU-A-2023200139
 (21) 2023200139 (22) 12.01.2023
 (54) MANAGEMENT SYSTEM AND GAMING CURRENCY
 (51) Int. Cl.
G07F 17/32 (2006.01)
A63F 1/06 (2006.01)
 (31) 2022-003598 (32) 13.01.22 (33) JP
 (43) 27.07.2023
 (72) Shigeta, Yasushi
 (74) RnB IP Pty Ltd

(71) Angel Group Co., Ltd.
 (11) AU-A-2023204331
 (21) 2023204331 (22) 05.07.2023
 (54) Game token management system
 (51) Int. Cl.
A63F 1/06 (2006.01)
 (43) 27.07.2023
 (62) 2021273594
 (72) Shigeta, Yasushi
 (74) FB Rice Pty Ltd

(71) Antecip Bioventures II LLC
 (11) AU-A-2023204348
 (21) 2023204348 (22) 06.07.2023

(54) COMBINATION OF DEXTROMETHORPHAN AND BUPROPION FOR TREATING DEPRESSION
 (51) Int. Cl.
A61K 31/137 (2006.01)
A61K 31/485 (2006.01)
A61P 25/24 (2006.01)
 (43) 27.07.2023
 (62) 2020207261
 (72) TABUTEAU, Herriot
 (74) RnB IP

(71) Anteris Technologies Corporation
 (11) AU-A-2023204151
 (21) 2023204151 (22) 29.06.2023
 (54) REPLACEMENT HEART VALVE ASSEMBLY WITH A VALVE LOADED DISTALLY FROM A STENT
 (51) Int. Cl.
A61F 2/24 (2006.01)
A61F 2/966 (2013.01)
A61M 25/01 (2006.01)
 (43) 27.07.2023
 (62) 2019269741
 (72) REED, Andrew; MATHIEU, Dave; HAARSTAD, Philip J.; PETERSON, Alex A.; NEETHLING, William Morris Leonard; DOAN, Tuan; OLIG, Christopher P.; BLISS, Scott
 (74) Michael Buck IP

(71) Apple Inc.
 (11) AU-A-2023204314
 (21) 2023204314 (22) 05.07.2023
 (54) Handwriting entry on an electronic device
 (51) Int. Cl.
G06F 3/0488 (2022.01)
 (43) 27.07.2023
 (62) 2020267498
 (72) Missig, Julian; Stauber, Matan; Ardaud, Guillaume; Bernstein, Jeffrey Traer; Lu, Marisa Rei; Li, Jiabao; Sharma, Praveen; Soli, Christopher D.; Lemay, Stephen O.; Preston, Daniel Trent; Blekken, Peder
 (74) FPA Patent Attorneys Pty Ltd

(71) Applied Medical Resources Corporation
 (11) AU-A-2023204299
 (21) 2023204299 (22) 04.07.2023
 (54) Insufflation stabilization system
 (51) Int. Cl.
A61M 13/00 (2006.01)
A61B 17/34 (2006.01)
 (43) 27.07.2023
 (62) 2021203095
 (72) SIAS, Ralph; DO, Alexandra; POULSEN, Nikolai; PRAVONG, Boun; PRAVONGVIENGKHAM, Kennii; MC-

MORROW, Timothy; MILES, W. F. Anthony
 (74) Griffith Hack

(71) Applied Medical Resources Corporation
 (11) AU-A-2023204325
 (21) 2023204325 (22) 05.07.2023
 (54) Residual stress features in organ models
 (51) Int. Cl.
G09B 23/30 (2006.01)
 (43) 27.07.2023
 (62) 2017257598
 (72) Hofstetter, Gregory K.
 (74) Griffith Hack

(71) ArvinMeritor Technology, LLC
 (11) AU-A-2022291556
 (21) 2022291556 (22) 22.12.2022
 (54) Axle assembly having a spindle plug and a sleeve
 (51) Int. Cl.
B60B 35/16 (2006.01)
B60B 35/14 (2006.01)
B65H 75/42 (2006.01)
F16L 27/113 (2006.01)
 (31) 17/570,734 (32) 07.01.22 (33) US
 (43) 27.07.2023
 (72) Coombs, Joshua; Vinson, Brian; Meyers, Gary
 (74) Davies Collison Cave Pty Ltd

(71) ArvinMeritor Technology, LLC
 (11) AU-A-2022291616
 (21) 2022291616 (22) 23.12.2022
 (54) Tire inflation system and connection arrangement
 (51) Int. Cl.
B60C 23/00 (2006.01)
B60S 5/04 (2006.01)
F16L 27/08 (2006.01)
F16L 37/113 (2006.01)
F16L 39/02 (2006.01)
F16L 55/07 (2006.01)
 (31) 17/570,716 (32) 07.01.22 (33) US
 (43) 27.07.2023
 (72) Coombs, Joshua; Vinson, Brian; Meyers, Gary
 (74) Davies Collison Cave Pty Ltd

(71) Bardex Corporation
 (11) AU-A-2023203511
 (21) 2023203511 (22) 05.06.2023
 (54) SYSTEMS, APPARATUS, AND METHODS FOR TRANSPORTING VESSELS
 (51) Int. Cl.
B66F 7/00 (2006.01)
B60S 9/00 (2006.01)
B61F 3/02 (2006.01)
B61F 5/00 (2006.01)

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- B62D 21/00** (2006.01)
B66F 11/00 (2006.01)
B66F 19/00 (2006.01)
(43) 27.07.2023
(62) 2018371863
(72) TAYLOR, Robert; O'ROURKE, Charlie; GILPIN, Jim; ATALLAH, Nick
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** BEAUTY MOLECULES INTERNATIONAL LIMITED
(11) AU-A-2022358642
(21) 2022358642 **(22)** 04.04.2022
(54) COSMETIC CASE
(51) Int. Cl.
A45D 40/00 (2006.01)
(31) 17/573,004 **(32)** 11.01.22 **(33)** US
(43) 27.07.2023
(72) CHARLOT, Pierre; CHAMI, Ralph; COX, Natalie; NICOLAI, Audrey; TALABAZA, Celine
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71)** Becton Dickinson and Company Limited
(11) AU-A-2023204298
(21) 2023204298 **(22)** 04.07.2023
(54) Connector for system for closed transfer of fluids
(51) Int. Cl.
A61J 1/20 (2006.01)
A61M 39/10 (2006.01)
(43) 27.07.2023
(62) 2018210835
(72) Sanders, Laurie
(74) FB Rice Pty Ltd
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- (71)** Beijing Baidu Netcom Science Technology Co., Ltd.
(11) AU-A-2023200082
(21) 2023200082 **(22)** 06.01.2023
(54) Method and apparatus for estimating classical capacity of quantum channel, electronic device, and medium
(51) Int. Cl.
G06N 10/20 (2022.01)
H04B 10/70 (2013.01)
(31) 202210021934.8 **(32)** 10.01.22 **(33)** CN
(43) 27.07.2023
(72) Wang, Xin; Zhao, Xuanqiang
(74) Davies Collison Cave Pty Ltd
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- (71)** Beijing Baidu Netcom Science Technology Co., Ltd.
(11) AU-A-2023200101
(21) 2023200101 **(22)** 10.01.2023
(54) Method and apparatus for determining control pulse of quantum gate, electronic device, and medium
(51) Int. Cl.
G06N 10/40 (2022.01)
H04B 10/70 (2013.01)
(31) 202210023296.3 **(32)** 10.01.22 **(33)** CN
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- (43)** 27.07.2023
(72) WANG, Jingbo; DUAN, Yucheng
(74) Davies Collison Cave Pty Ltd
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- (71)** Beijing Baidu Netcom Science Technology Co., Ltd.
(11) AU-A-2023200143
(21) 2023200143 **(22)** 12.01.2023
(54) Quantum chip and construction method and construction apparatus thereof
(51) Int. Cl.
G01R 33/035 (2006.01)
G06N 10/00 (2022.01)
H03K 19/195 (2006.01)
(31) 202210031570.1 **(32)** 12.01.22 **(33)** CN
(43) 27.07.2023
(72) Xi, Hanzhe; CUI, Zhengyi; JIN, Lijing
(74) Davies Collison Cave Pty Ltd
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- (71)** Berry Global, Inc.
(11) AU-A-2023204238
(21) 2023204238 **(22)** 01.07.2023
(54) MULTILAYER BREATHABLE FILMS AND LAMINATES INCLUDING THE SAME
(51) Int. Cl.
B32B 5/02 (2006.01)
A61F 13/15 (2006.01)
B32B 27/08 (2006.01)
B32B 27/12 (2006.01)
B32B 27/32 (2006.01)
B32B 27/34 (2006.01)
B32B 27/36 (2006.01)
B32B 27/40 (2006.01)
(43) 27.07.2023
(62) 2018292419
(72) Zhao, Rongguo; Fu, Linda; Zaikov, Vadim; Farell, Gregory Wagner
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** BISSELL Inc.
(11) AU-A-2022291569
(21) 2022291569 **(22)** 22.12.2022
(54) SURFACE CLEANING APPARATUS WITH STEAM
(51) Int. Cl.
A47L 11/34 (2006.01)
A47L 13/26 (2006.01)
B08B 3/10 (2006.01)
B08B 5/04 (2006.01)
(31) 63/297,851 **(32)** 10.01.22 **(33)** US
(43) 27.07.2023
(72) DEJONGE, Mitchell J.; ALT, Ryan J.; JOHNSON, Steve M.
(74) Griffith Hack
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- (71)** BLOCK, Inc.
(11) AU-A-2023204312
(21) 2023204312 **(22)** 05.07.2023
(54) Customized web page development based on point-of sale information
(51) Int. Cl.
G06Q 30/06 (2023.01)
G06F 16/958 (2019.01)
G06F 40/103 (2020.01)
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- (43)** 27.07.2023
(62) 2019397998
(72) AL-SALLAMI, Wael; LOH, Christine; ODEMCHUK, Vitaly; REN, Xuanhua; RICHARDS, Drew; STRAGHALIS, Neil; SWETT, Katherine
(74) FB Rice Pty Ltd
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- (71)** Breville USA, Inc.
(11) AU-A-2023204254
(21) 2023204254 **(22)** 03.07.2023
(54) Systems, articles and methods related to providing customized cooking instruction
(51) Int. Cl.
G06Q 50/10 (2012.01)
G06Q 50/12 (2012.01)
(43) 27.07.2023
(62) 2021203692
(72) YOUNG, Christopher Charles; BALDWIN, Douglas; NATKIN, Michael; SALAZAR, Nelson Timothy
(74) GLMR
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- (71)** Canon Kabushiki Kaisha
(11) AU-A-2022200086
(21) 2022200086 **(22)** 07.01.2022
(54) Method, apparatus and system for encoding and decoding a block of video samples
(51) Int. Cl.
H04N 19/20 (2014.01)
G06N 3/04 (2006.01)
H04N 19/124 (2014.01)
H04N 19/179 (2014.01)
(43) 27.07.2023
(72) ROSEWARNE, Christopher James
(74) Spruson & Ferguson
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- (71)** Capital One Services, LLC
(11) AU-A-2023202848
(21) 2023202848 **(22)** 08.05.2023
(54) System and method for guiding card positioning using phone sensors
(51) Int. Cl.
G06T 7/73 (2017.01)
G06T 7/246 (2017.01)
(43) 27.07.2023
(62) 2020314553
(72) RULE, Jeffrey; ILINCIC, Rajko; HART, Colin; HERRINGTON, Daniel; OSBORN, Kevin
(74) GLMR
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- (71)** Carillion Utility Services Ltd
(11) AU-A-2023204242
(21) 2023204242 **(22)** 03.07.2023
(54) A Material and Associated Arrangements, Systems and Methods
(51) Int. Cl.
H02G 9/02 (2006.01)
H02G 9/06 (2006.01)
(43) 27.07.2023
(62) 2021204393
(72) WILKINS, Joanne; ROUTLEDGE, Alexander
(74) Adams Pluck

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(71) Ceox Technologies Ltd
 (11) AU-A-2023204362
 (21) 2023204362 (22) 06.07.2023
 (54) MECHANICAL/ELECTRICAL POWER GENERATION SYSTEM
 (51) Int. Cl.
 F01K 23/10 (2006.01)
 F01K 25/10 (2006.01)
 (43) 27.07.2023
 (62) 2018263371
 (72) Akhtar, Mirza Sibtain
 (74) Michael Buck IP

CHANG CHIEN, S. see CHEN, S.
 (21) 2023200090

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 (21) 2023200092

CHANG CHIEN, S. see CHEN, S.
 (21) 2023200093

(71) CHEN, S.; CHANG CHIEN, S.
 (11) AU-A-2023200090
 (21) 2023200090 (22) 09.01.2023
 (54) FLUID DYNAMIC RAIN-MAKING APPARATUS
 (51) Int. Cl.
 A01G 15/00 (2006.01)
 F25D 9/00 (2006.01)
 F28D 1/00 (2006.01)
 F28D 7/00 (2006.01)
 F28D 21/00 (2006.01)
 (31) 111200296 (32) 10.01.22 (33) TW
 (43) 27.07.2023
 (72) CHEN, Shih-Hsiung; CHANG CHIEN, Shu-Hsia
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) CHEN, S.; CHANG CHIEN, S.
 (11) AU-A-2023200092
 (21) 2023200092 (22) 09.01.2023
 (54) MOBILE HYDROGEN-OXYGEN BURNER RAINMAKING DEVICE
 (51) Int. Cl.
 F23D 14/02 (2006.01)
 F23D 14/48 (2006.01)
 (31) 111200298 (32) 10.01.22 (33) TW
 (43) 27.07.2023
 (72) CHEN, Shih-Hsiung; CHANG CHIEN, Shu-Hsia
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) CHEN, S.; CHANG CHIEN, S.
 (11) AU-A-2023200093
 (21) 2023200093 (22) 09.01.2023
 (54) AERIAL SPRAY RAINMAKING DEVICE
 (51) Int. Cl.
 A01G 15/00 (2006.01)
 B05B 7/00 (2006.01)

B05B 7/02 (2006.01)
B05B 9/00 (2006.01)
B64D 1/18 (2006.01)
F24H 1/20 (2022.01)
F24H 9/12 (2022.01)
F24H 9/18 (2022.01)
 (31) 111200297 (32) 10.01.22 (33) TW
 (43) 27.07.2023
 (72) CHEN, Shih-Hsiung; CHANG CHIEN, Shu-Hsia
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) CNH Industrial Canada, Ltd.
 (11) AU-A-2023204354
 (21) 2023204354 (22) 06.07.2023
 (54) Infeed system for bale wrapping machine
 (51) Int. Cl.
 A01D 89/00 (2006.01)
 A01F 15/07 (2006.01)
 A01F 15/08 (2006.01)
 A01F 15/18 (2006.01)
 (43) 27.07.2023
 (62) 2020315421
 (72) ROBERGE, Martin J.; RICKETTS, Jonathan E.; COUSINS, Jason D. M.
 (74) Griffith Hack

(71) ConMed Corporation
 (11) AU-A-2023204321
 (21) 2023204321 (22) 05.07.2023
 (54) Pencil-grip wire driver operated with distally located actuator
 (51) Int. Cl.
 A61B 17/16 (2006.01)
 (43) 27.07.2023
 (62) 2021290275
 (72) SIEH, John K.; MCGARVEY, James
 (74) Griffith Hack

(71) Corium, LLC.
 (11) AU-A-2023204240
 (21) 2023204240 (22) 03.07.2023
 (54) DONEPEZIL TRANSDERMAL DELIVERY SYSTEM
 (51) Int. Cl.
 A61K 31/445 (2006.01)
 A61K 9/70 (2006.01)
 A61P 25/28 (2006.01)
 (43) 27.07.2023
 (62) 2017301928
 (72) Lee, Eun Soo; Jain, Amit K.; Singh, Parminder
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Crain, B.
 (11) AU-A-2022200125
 (21) 2022200125 (22) 11.01.2022
 (54) True Coilover Mk2 Series 1000
 (51) Int. Cl.
 B60G 21/04 (2006.01)
 (43) 27.07.2023
 (72) Crain, Bevan
 (74) Bevan John Crain

(71) Creek Innovation Pty Ltd
 (11) AU-A-2023200014
 (21) 2023200014 (22) 03.01.2023
 (54) Wire Tensioning Device
 (51) Int. Cl.
 E04H 17/26 (2006.01)
 B21F 9/00 (2006.01)
 B25B 25/00 (2006.01)
 E04H 17/02 (2006.01)
 F16G 11/12 (2006.01)
 (31) 2022900062 (32) 13.01.22 (33) AU
 (43) 27.07.2023
 (72) Cornford, Daniel
 (74) Caska Intellectual Property Pty Ltd

(71) Cripps Clark, J.
 (11) AU-A-2023202418
 (21) 2023202418 (22) 20.04.2023
 (54) IntegTechPLUS - Further extensions for distributed block chain systems enabling systemizing and processing of distributed components including with temporal, spatial and or ordinarily displaced inputs including data and stream aggregations in fast and closely coupled architectures (especially but not limited to quantum processors and AI learning & de/constructions) with : process model, standard interface needs for implementing and managing various types of processing pipelines with block chain architecture able to also coordinate authenticable calculations.

(51) Int. Cl.
 G06F 16/215 (2019.01)
 G06F 8/36 (2018.01)
 G06F 11/30 (2006.01)
 G06F 21/50 (2013.01)
 G06F 21/64 (2013.01)
 G06N 20/00 (2019.01)
 G06Q 10/10 (2023.01)
 H04L 9/00 (2022.01)
 (31) 2022900156 (32) 30.01.22 (33) AU
 2023900667 12.03.23 AU
 2023900576 04.03.23 AU
 2022901956 13.07.22 AU
 (43) 27.07.2023
 (61) 2022203235
 (62) 2022201926,2022203235
 (72) Cripps Clark, Julianne
 (74) Julianne Mary Cripps Clark

(71) Cripps Clark, J.
 (11) AU-A-2023204365
 (21) 2023204365 (22) 06.07.2023
 (54) FrAlmWork – consolidations of DETPAT invention (block chain processing ...) helping ensure AI is applied safely & can be effectively regulated for wide use in distributed information system processing of any kind. Extra consumer protection models & levels of data standardization & verifiability are included to better support AI making support AI making better trans-economy & trans-industry productivity improvements, & enable a controlled environment for AI-enhanced activities related to confidential information including re-

Applications Open to Public Inspection - Name Index cont'd

- lated to health risk prevention & confidence in emissions verity.
- (51) Int. Cl.
G06N 5/022 (2023.01)
G06F 16/28 (2019.01)
G06N 20/00 (2019.01)
G06Q 10/10 (2023.01)
- (43) 27.07.2023
(62) 2021202215,2021218217,2021232845,202123658
(72) Cripps Clark, Julianne Mary
(74) Julianne Mary Cripps Clark
-
- (71) CubicPV Inc.
(11) AU-A-2023204268
(21) 2023204268 (22) 03.07.2023
(54) METHOD OF FORMULATING PEROVSKITE SOLAR CELL MATERIALS
- (51) Int. Cl.
H01L 31/04 (2014.01)
C01G 23/04 (2006.01)
H01L 31/18 (2006.01)
- (43) 27.07.2023
(62) 2021204425
(72) Irwin, Michael D.; Chute, Jerred A.; Dhas, Vivek V.
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Daido Steel Co., Ltd.
(11) AU-A-2023200059
(21) 2023200059 (22) 05.01.2023
(54) Additive manufacturing wire, additively-manufactured object, and additive manufacturing method
- (51) Int. Cl.
B33Y 70/00 (2020.01)
B23K 35/30 (2006.01)
C22C 38/00 (2006.01)
C22C 38/18 (2006.01)
C22C 38/40 (2006.01)
C22C 38/44 (2006.01)
- (31) 2022-002134 (32) 11.01.22 (33) JP
2022-168584 20.10.22 JP
(43) 27.07.2023
(72) Yamashita, Masakazu; Tachi, Kazuki; Osaki, Mototsugu
(74) Davies Collison Cave Pty Ltd
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- (71) DANTAS JUNIOR, L.
(11) AU-A-2023204283
(21) 2023204283 (22) 04.07.2023
(54) PRODUCT AND PROCESS FOR ACTING ON BIOLOGICAL ORGANISMS USING EXTREMELY LOW FREQUENCIES
- (51) Int. Cl.
A61N 5/00 (2006.01)
C12N 13/00 (2006.01)
G06K 19/00 (2006.01)
- (31) PCT/ (32) 04.01.21 (33) BR
BR2021/050004
BR 10 2019 07.12.19 BR
025958 2
(43) 27.07.2023
(72) DANTAS JUNIOR, LUZO
(74) LUZO DANTAS JUNIOR
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- (71) Daon Enterprises Limited
(11) AU-A-2022291581
(21) 2022291581 (22) 22.12.2022
(54) METHODS AND SYSTEMS FOR DETERMINING AUTHENTICITY OF A DOCUMENT
- (51) Int. Cl.
G06V 10/74 (2022.01)
G06F 16/183 (2022.01)
G06N 20/10 (2019.01)
G06V 30/186 (2022.01)
G06V 30/194 (2022.01)
G07D 7/202 (2016.01)
- (31) 17/572,721 (32) 11.01.22 (33) US
(43) 27.07.2023
(72) SEZILLE, Nicolas Jacques Jean; PEREZ-ROVIRA, Adria
(74) Wallington-Dummer
-
- (71) De La Rue International Limited
(11) AU-A-2023204273
(21) 2023204273 (22) 03.07.2023
(54) A security sheet
- (51) Int. Cl.
B42D 25/24 (2014.01)
B42D 25/36 (2014.01)
B42D 25/455 (2014.01)
B42D 25/46 (2014.01)
- (43) 27.07.2023
(62) 2019226715
(72) Dhillon, Baljeet; Sugdon, Matthew; Bobat, Shireen
(74) Davies Collison Cave Pty Ltd
-
- (71) EKK Holdings Pty Limited
(11) AU-A-2023203854
(21) 2023203854 (22) 19.06.2023
(54) A GUARD RAIL ASSEMBLY AND METHOD OF USE THEREOF
- (51) Int. Cl.
B60R 3/00 (2006.01)
E01B 5/18 (2006.01)
E02F 9/08 (2006.01)
E04F 11/18 (2006.01)
E04G 5/14 (2006.01)
- (31) 2023901215 (32) 24.04.23 (33) AU
(43) 27.07.2023
(62) PCT/AU2021/051467
(72) NEILSEN, Eric; Neilsen, Kodey Charles
(74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
-
- (71) Enertechnos Limited
(11) AU-A-2023204319
(21) 2023204319 (22) 05.07.2023
(54) CAPACITIVE POWER TRANSMISSION CABLE
- (51) Int. Cl.
H01B 7/30 (2006.01)
H01B 9/00 (2006.01)
H02J 3/22 (2006.01)
- (43) 27.07.2023
(62) 2019282460
(72) SALEHI-MOGHADAM, Mansour; O'BRIEN, Gareth; LUCAS-CLEMENTS, Charles; QUENNELL, Dominic
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
-
- (71) Flitner, T.
(11) AU-A-2022200167
(21) 2022200167 (22) 12.01.2022
(54) Process of operating a legal firm or a professional firm and also any professional firm in a mobile form such as a process to operate, train, and/or include operating in the metaverse - a legal firm (Flitnerlaw for example) or a professional firm and also any professional firm not limited to and including the name Flitner law as a DAO (decentralised autonomous organisation).
- (51) Int. Cl.
G06Q 50/18 (2012.01)
G06Q 30/06 (2012.01)
- (43) 27.07.2023
(72) Flitner, Thomas
(74) Law Firm
-
- (71) Flyingtee Tech, LLC.
(11) AU-A-2023204292
(21) 2023204292 (22) 04.07.2023
(54) Multiple sensor tracking system and method
- (51) Int. Cl.
A63B 69/36 (2006.01)
- (43) 27.07.2023
(62) 2021202781
(72) Vollbrecht, James; Vollbrecht, John; Tawwater, Ryan
(74) Minter Ellison
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- (71) Francis, M.
(11) AU-A-2022200095
(21) 2022200095 (22) 08.01.2022
(54) Commercially providing 'KNISMESIS BODY TICKLES' to improve Australians' overall wellbeing – physical and mental health
- (51) Int. Cl.
A61H 7/00 (2006.01)
A61M 21/00 (2006.01)
A61M 21/02 (2006.01)
- (43) 27.07.2023
(72) Francis, Michella
(74) Michella Francis
-
- (71) Freeport Minerals Corporation
(11) AU-A-2023200119
(21) 2023200119 (22) 11.01.2023
(54) Systems, devices and methods for improved efficiency of ball mills
- (51) Int. Cl.
B02C 17/22 (2006.01)
B02C 17/18 (2006.01)
B02C 17/24 (2006.01)
B65G 53/40 (2006.01)
- (31) 17/574,971 (32) 13.01.22 (33) US
(43) 27.07.2023
(72) CORAY, Dale
(74) FB Rice Pty Ltd
-
- (71) Galera Labs, LLC
(11) AU-A-2023204318

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(21) 2023204318 (22) 05.07.2023
 (54) Combination therapy for cancer treatment
 (51) Int. Cl.
A61K 33/32 (2006.01)
A61K 31/203 (2006.01)
A61K 31/706 (2006.01)
A61K 45/06 (2006.01)
 (43) 27.07.2023
 (62) 2017260425
 (72) Beardsley, Robert A.; Riley, Dennis P.; Keene, Jeffery L.; Spitz Jr., Douglas R.; Fath, Melissa A.
 (74) Oxygene IP

(71) Gentex Corporation
 (11) AU-A-2023204288
 (21) 2023204288 (22) 04.07.2023
 (54) Headset communication system
 (51) Int. Cl.
G10K 11/00 (2006.01)
G10K 11/178 (2006.01)
H03F 3/00 (2006.01)
H03F 3/14 (2006.01)
H03F 3/72 (2006.01)
H03G 1/00 (2006.01)
H03G 3/34 (2006.01)
H04R 1/10 (2006.01)
 (43) 27.07.2023
 (62) 2022200034
 (72) HUDSON, Christopher A.; SOL-BECK, Jason A.; BOURQUE, Stephen; POLITO, Theodore A.; CHALOUX, Jacob
 (74) Spruson & Ferguson

(71) Geothermic Solution, LLC
 (11) AU-A-2023204241
 (21) 2023204241 (22) 03.07.2023
 (54) Geothermal heat harvesters
 (51) Int. Cl.
E21B 43/16 (2006.01)
E21B 43/26 (2006.01)
F03G 4/00 (2006.01)
F03G 7/04 (2006.01)
F24T 10/00 (2018.01)
F24V 40/00 (2018.01)
 (43) 27.07.2023
 (62) 2022205186
 (72) Moncarz, Piotr D.; Kolbe, Walter R.; Capuano Jr., Louis E.; Ryan, Keanen
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) GlycoMimetics, Inc.
 (11) AU-A-2023204344
 (21) 2023204344 (22) 06.07.2023
 (54) Highly potent multimeric E-selectin antagonists
 (51) Int. Cl.
C07H 15/207 (2006.01)
A61K 47/60 (2017.01)
A61P 35/00 (2006.01)
C07H 15/26 (2006.01)
 (43) 27.07.2023
 (62) 2017341065
 (72) Magnani, John L.; Peterson, John M.; Baek, Myung-Gi
 (74) Davies Collison Cave Pty Ltd

(71) Halliburton Manufacturing and Services Limited
 (11) AU-A-2023204248
 (21) 2023204248 (22) 03.07.2023
 (54) Downhole apparatus with a valve arrangement
 (51) Int. Cl.
E21B 34/10 (2006.01)
E21B 34/14 (2006.01)
E21B 43/10 (2006.01)
 (43) 27.07.2023
 (62) 2021273628
 (72) BRUCE, Stephen Edmund; GRANT, David; WALLACE, Scott E.; SMITH, Ewan
 (74) Spruson & Ferguson

(71) Hangzhou Xunling Biotech Co., Ltd
 (11) AU-A-2022275414
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 (54) TEST DEVICE FOR NUCLEIC ACID
 (51) Int. Cl.
G01N 33/48 (2006.01)
B01L 3/00 (2006.01)
C12Q 1/6844 (2018.01)
C12Q 1/6876 (2018.01)
G01N 1/18 (2006.01)
G01N 35/10 (2006.01)
 (31) 2022100300570 (32) 11.01.22 (33) CN
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 (74) Baxter Patent Attorneys Pty Ltd

(71) HANWHA SOLUTIONS CORPORATION
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 (21) 202200175 (22) 12.01.2022
 (54) PHOTOVOLTAIC SYSTEM, DEVICE AND METHOD FOR MONITORING THEREOF
 (51) Int. Cl.
H02S 50/00 (2014.01)
H02J 1/10 (2006.01)
H02M 3/335 (2006.01)
H02S 40/34 (2014.01)
H02S 40/36 (2014.01)
 (43) 27.07.2023
 (72) KANG, Ju Wan
 (74) LAMINAR IP PTY LTD

(71) Heineken Supply Chain B.V.
 (11) AU-A-2023204351
 (21) 2023204351 (22) 06.07.2023
 (54) Beverage dispensing assembly and beverage container
 (51) Int. Cl.
B67D 1/04 (2006.01)
B67D 1/06 (2006.01)
B67D 1/08 (2006.01)

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 (74) Griffith Hack

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 (11) AU-A-2023200107
 (21) 2023200107 (22) 10.01.2023
 (54) METHOD AND SEARCH SYSTEM WITH METADATA DRIVEN APPLICATION PROGRAMMING INTERFACE (API)
 (51) Int. Cl.
G06F 16/248 (2019.01)
G06F 16/242 (2019.01)
G16Y 10/75 (2020.01)
G16Y 40/35 (2020.01)
 (31) 202211001496 (32) 11.01.22 (33) IN
 (43) 27.07.2023
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 (74) FPA Patent Attorneys Pty Ltd

(71) Huawei Technologies Co., Ltd.
 (11) AU-A-2023204301
 (21) 2023204301 (22) 04.07.2023
 (54) VIDEO ENCODER, VIDEO DECODER, AND CORRESPONDING ENCODING AND DECODING METHODS
 (51) Int. Cl.
H04N 19/593 (2014.01)
H04N 19/59 (2014.01)
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 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Illinois Tool Works Inc.
 (11) AU-A-2023200075
 (21) 2023200075 (22) 06.01.2023
 (54) Door handle plate with concealed mounting
 (51) Int. Cl.
E05B 15/02 (2006.01)
E05B 1/00 (2006.01)
E05B 9/08 (2006.01)
 (31) 2022900046 (32) 10.01.22 (33) AU
 (43) 27.07.2023
 (72) Marshall, Bryan
 (74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.
 (11) AU-A-2023200076
 (21) 2023200076 (22) 06.01.2023
 (54) Door handle-latch actuating mechanism
 (51) Int. Cl.
E05B 63/04 (2006.01)
E05B 1/00 (2006.01)
E05B 3/06 (2006.01)
E05B 55/00 (2006.01)
E05C 1/08 (2006.01)
E05B 15/02 (2006.01)
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(72) Marshall, Bryan; Hannah, Zac; Brown,
Colin
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(71) Immatix Biotechnologies GmbH
(11) AU-A-2023204282
(21) 2023204282 (22) 04.07.2023
(54) NOVEL PEPTIDES AND COMBINA-
TION OF PEPTIDES FOR USE IN IM-
MUNOTHERAPY AGAINST LUNG
CANCER, INCLUDING NSCLC, SCLC
AND OTHER CANCERS
(51) Int. Cl.
C07K 14/47 (2006.01)
A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
C07K 16/30 (2006.01)
(43) 27.07.2023
(62) 2022203259
(72) Fritsche, Jens; Schoor, Oliver; Singh,
Harpreet; Weinschenk, Toni; Song,
Colette
(74) PHILLIPS ORMONDE FITZPATRICK

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(11) AU-A-2023204323
(21) 2023204323 (22) 05.07.2023
(54) PEPTIDES, COMBINATION OF PEP-
TIDES, AND CELL BASED MEDICA-
MENTS FOR USE IN IMMUNOTHER-
APY AGAINST URINARY BLADDER
CANCER AND OTHER CANCERS
(51) Int. Cl.
C07K 7/06 (2006.01)
A61K 39/00 (2006.01)
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Colette; Schoor, Oliver; Fritsche, Jens;
Singh, Harpreet
(74) PHILLIPS ORMONDE FITZPATRICK

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(11) AU-A-2023204253
(21) 2023204253 (22) 03.07.2023
(54) Improved predictor candidates for mo-
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(51) Int. Cl.
H04N 19/52 (2014.01)
H04N 19/147 (2014.01)
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H04N 19/567 (2014.01)
H04N 19/70 (2014.01)
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(54) Security door system
(51) Int. Cl.

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(54) Sheet music search and discovery sys-
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G06F 17/00 (2019.01)
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(54) Sheet music search and discovery sys-
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(51) Int. Cl.
G06F 17/00 (2019.01)
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(11) AU-A-2022200096
(21) 2022200096 (22) 08.01.2022
(54) Electronic auto bracelet for elderlies in
nursing home
(51) Int. Cl.
A61B 5/00 (2006.01)
A44C 5/00 (2006.01)
A61B 5/0205 (2006.01)
A61B 5/021 (2006.01)
A61B 5/024 (2006.01)
G08B 23/00 (2006.01)
G08B 21/04 (2006.01)
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(74) JieFei Jia

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Solar Co., Ltd.
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Solar Co., Ltd.
(21) 2022268276

(71) K2M, Inc.
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(21) 2023204317 (22) 05.07.2023
(54) ROD REDUCER ASSEMBLY
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A61B 17/70 (2006.01)
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Kornelis; Selby, Michael; Tokash,
Robert; Kuru, Robert; Biyani, Ashok
(74) IP GATEWAY PATENT & TRADE
MARK ATTORNEYS PTY LTD

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(21) 2023204332 (22) 05.07.2023
(54) AUTO-INJECTORS FOR ADMINIS-
TRATION OF A MEDICAMENT WITH-
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(51) Int. Cl.
A61M 5/178 (2006.01)
A61M 5/20 (2006.01)
A61M 5/24 (2006.01)
A61M 5/31 (2006.01)
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Meyers, Paul F.
(74) Pizzeys Patent and Trade Mark Attor-
neys Pty Ltd

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(21) 2023204284 (22) 04.07.2023
(54) Underwater work system
(51) Int. Cl.
B63C 11/00 (2006.01)
B63B 49/00 (2006.01)
B63C 11/48 (2006.01)
G01S 15/74 (2006.01)
G05D 1/10 (2006.01)
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(54) CUTTING TOOL MOUNTING AS-
SEMBLY WITH SPLIT, MODULAR AND
WIRELESS WEAR DETECTION SYS-
TEM
(51) Int. Cl.
E21C 35/18 (2006.01)
B28D 1/18 (2006.01)
B28D 7/00 (2006.01)
E01C 23/088 (2006.01)
E21B 12/02 (2006.01)
E21C 25/10 (2006.01)
E21C 35/183 (2006.01)
E21C 35/197 (2006.01)
G07C 3/00 (2006.01)

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 (51) Int. Cl.
G08G 1/00 (2006.01)
G08G 1/09 (2006.01)
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 (62) 2020240578
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 (74) Spruson & Ferguson

(71) Kortuc Inc.
 (11) AU-A-2023204358
 (21) 2023204358 (22) 06.07.2023
 (54) Hydrogen peroxide solution-prefilled syringe having excellent hydrogen peroxide preservability by virtue of silicone oil (oil composition containing said silicone oil)
 (51) Int. Cl.
C01B 13/00 (2006.01)
A61J 1/05 (2006.01)
A61L 31/02 (2006.01)
A61L 31/06 (2006.01)
A61L 31/10 (2006.01)
A61M 5/28 (2006.01)
C01B 15/037 (2006.01)
C08L 83/04 (2006.01)
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 (74) FB Rice Pty Ltd

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 (21) 2023200142 (22) 12.01.2023
 (54) DISPLAY DEVICE AND METHOD FOR CONTROLLING THE SAME
 (51) Int. Cl.
G06F 1/16 (2006.01)
G09G 3/00 (2006.01)
 (31) 10-2022-0005155 (32) 13.01.22 (33) KR
 (43) 27.07.2023
 (72) LEE, Yuri; LEE, Sanghee
 (74) Dentons Patent Attorneys Australasia Limited

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 (11) AU-A-2023204204
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 (54) REFRIGERATOR AND METHOD FOR CONTROLLING SAME
 (51) Int. Cl.
F25D 11/00 (2006.01)
F25C 1/18 (2006.01)
F25C 1/24 (2018.01)
F25C 5/02 (2006.01)
F25C 5/18 (2018.01)
F25D 23/02 (2006.01)
F25D 25/02 (2006.01)
F25D 29/00 (2006.01)
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 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.
 (11) AU-A-2023204228
 (21) 2023204228 (22) 30.06.2023
 (54) Refrigerator
 (51) Int. Cl.
F25C 5/02 (2006.01)
F25C 1/24 (2018.01)
F25C 5/20 (2018.01)
F25D 11/00 (2006.01)
F25D 25/02 (2006.01)
F25D 29/00 (2006.01)

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 (62) 2019353516
 (72) LEE, Donghoon; LEE, Donghoon; LEE, Woogyong; YEOM, Seungseob; BAE, Yongjun; SON, Sunggyun; PARK, Chongyoung
 (74) Dentons Patent Attorneys Australasia Limited

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 (11) AU-A-2023204229
 (21) 2023204229 (22) 30.06.2023
 (54) Refrigerator
 (51) Int. Cl.
F25C 5/02 (2006.01)
F25C 1/24 (2018.01)
F25C 5/20 (2018.01)
F25D 11/00 (2006.01)
F25D 25/02 (2006.01)
F25D 29/00 (2006.01)

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 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.
 (11) AU-A-2023204338
 (21) 2023204338 (22) 06.07.2023
 (54) REFRIGERATOR
 (51) Int. Cl.
F25D 23/02 (2006.01)

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 (72) PARK, Myeongseong; KANG, Daekil; KWON, Ohchul; JUNG, Sangho; LEE, Hyuncheol
 (74) Dentons Patent Attorneys Australasia Limited

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 (54) REFRIGERATOR
 (51) Int. Cl.
F25D 11/00 (2006.01)
F25C 1/18 (2006.01)
F25C 1/24 (2018.01)
F25C 5/02 (2006.01)
F25D 25/02 (2006.01)
F25D 29/00 (2006.01)

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 (72) LEE, Donghoon; LEE, Woogyong; YEOM, Seungseob; LEE, Donghoon; BAE, Yongjun; SON, Sunggyun; PARK, Chongyoung
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.
 (11) AU-A-2023204363
 (21) 2023204363 (22) 06.07.2023
 (54) REFRIGERATOR AND CONTROL METHOD THEREOF
 (51) Int. Cl.
F25D 11/00 (2006.01)
F25C 1/18 (2006.01)
F25C 1/24 (2018.01)
F25C 5/08 (2006.01)
F25D 25/02 (2006.01)
F25D 29/00 (2006.01)

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 (74) Dentons Patent Attorneys Australasia Limited

(71) Lundbeck La Jolla Research Center, Inc.
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 (21) 2023204293 (22) 04.07.2023
 (54) Dual MAGL and FAAH inhibitors
 (51) Int. Cl.
C07D 471/10 (2006.01)
A61K 31/497 (2006.01)
C07D 295/205 (2006.01)
C07D 401/02 (2006.01)

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 (72) GRICE, Cheryl A.; CISAR, Justin S.; DUNCAN, Katharine K.; FENG, Yu; WIENER, John J. M.; WEBER, Olivia D.
 (74) FB Rice Pty Ltd

Massachusetts Institute of Technology see Spinnaker Biosciences, Inc.
 (21) 2023204322

(71) Media Cart Holdings, Inc.
 (11) AU-A-2023204336
 (21) 2023204336 (22) 06.07.2023
 (54) Media enabled shopping cart system and associated methods
 (51) Int. Cl.
G06Q 30/00 (2023.01)

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 (72) STAWAR, Saul; SINGLETON, Cody; FOWLER, Doug; McQUITTY, Dan; HARTWELL, Chris; AYLOR, Bret; BREEN, Steve; CARPENTER, Steve; LE, Liem; GIBBONS Jr., James E.
 (74) Davies Collison Cave Pty Ltd

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(71) MedImmune, LLC
 (11) AU-A-2023204271
 (21) 2023204271 (22) 03.07.2023
 (54) METHOD OF PURIFYING ALBUMIN-FUSION PROTEINS
 (51) Int. Cl.
 C07K 14/765 (2006.01)
 C07K 1/14 (2006.01)
 C07K 1/16 (2006.01)
 C07K 1/18 (2006.01)
 C07K 1/22 (2006.01)
 C07K 1/36 (2006.01)
 (43) 27.07.2023
 (62) 2021200423
 (72) Pabst, Timothy; Fonseca, Mariko; Thompson, Christopher; Hunter, Alan; Wang, Xiangyang; Tie, Liu; Li, Yiming
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) MedImmune Limited
 (11) AU-A-2023204286
 (21) 2023204286 (22) 04.07.2023
 (54) ANTI-B7-H1 AND ANTI-CTLA-4 ANTIBODIES FOR TREATING NON-SMALL CELL LUNG CANCER
 (51) Int. Cl.
 A61P 35/00 (2006.01)
 A61K 39/395 (2006.01)
 C07K 16/28 (2006.01)
 (43) 27.07.2023
 (62) 2020230309
 (72) Narwal, Rajesh; Robbins, Paul; Karakunnel, Joyson; Dar, Mohammed M.
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Modalinta Pte Limited
 (11) AU-A-2022200154
 (21) 2022200154 (22) 12.01.2022
 (54) GANGPLANK SAFETY DEPLOYMENT SYSTEM
 (51) Int. Cl.
 B63B 27/14 (2006.01)
 E01D 15/24 (2006.01)
 (43) 27.07.2023
 (72) BEAN, David Robin; BEAN, Alexander David Fencker
 (74) Wallington-Dummer

(71) Monsanto Technology LLC
 (11) AU-A-2023204276
 (21) 2023204276 (22) 03.07.2023
 (54) Novel CRISPR-associated transposases and uses thereof
 (51) Int. Cl.
 C12N 9/00 (2006.01)
 C12N 9/12 (2006.01)
 C12N 15/82 (2006.01)
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 (74) Davies Collison Cave Pty Ltd

(71) Nanovision Technology (Beijing) Co., Ltd.
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 (21) 2023204307 (22) 04.07.2023

(54) MULTI-ENERGY STATIC SECURITY CT SYSTEM AND IMAGING METHOD
 (51) Int. Cl.
 G01V 5/00 (2006.01)
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(71) NAVICO HOLDING AS
 (11) AU-A-2023200148
 (21) 2023200148 (22) 12.01.2023
 (54) SYSTEMS AND METHODS FOR LOADING A WATERCRAFT ON A TRAILER
 (51) Int. Cl.
 B63B 49/00 (2006.01)
 B60P 3/10 (2006.01)
 G01C 1/00 (2006.01)
 G01C 3/08 (2006.01)
 G05D 1/00 (2006.01)
 (31) 17/574,782 (32) 13.01.22 (33) US
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 (72) REZAC, Ryan R.; SNYDER, Kristopher C.; CLARK, Jeremiah D.
 (74) AJ PARK

(71) Next Level Racing Simulations Pty Ltd
 (11) AU-A-2023200128
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 (54) AN ADJUSTABLE SEAT AND METHOD OF USE THEREOF
 (51) Int. Cl.
 A47C 1/025 (2006.01)
 A47C 3/16 (2006.01)
 A47C 5/10 (2006.01)
 A47C 7/44 (2006.01)
 A63F 13/24 (2014.01)
 A63F 13/90 (2014.01)
 A63G 31/16 (2006.01)
 A47C 7/02 (2006.01)
 A47C 7/18 (2006.01)
 G09B 9/04 (2006.01)
 G09B 9/08 (2006.01)
 (31) 2022900064 (32) 13.01.22 (33) AU
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 (72) Ghahramanian, Hessam
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

(71) Nextracker LLC
 (11) AU-A-2023204279
 (21) 2023204279 (22) 03.07.2023
 (54) Power Converters and Methods of Controlling Same
 (51) Int. Cl.
 H02M 3/158 (2006.01)
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 (72) LI, Chen; LIU, Yang; KHAN, Mohammad Salmaan; KAMEI, Jonathan Kenzo; LELE, Sandeep Sanjiva
 (74) Clark Intellectual Property Pty Ltd

(71) Novartis AG
 (11) AU-A-2023204274
 (21) 2023204274 (22) 03.07.2023
 (54) TREM2 stabilizing antibodies
 (51) Int. Cl.
 A61P 25/28 (2006.01)
 C07K 16/28 (2006.01)
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 (72) BRAND, Verena; FEUERBACH, Dominik; GASPARINI, Fabrizio; GEORGE, Nathalie; SCHAADT, Eveline; SHIM-SHEK, Derya; SRINIVAS, Honnappa; WALDHUBER, Markus; WILCKEN, Rainer
 (74) Davies Collison Cave Pty Ltd

(71) Novartis AG
 (11) AU-A-2023204287
 (21) 2023204287 (22) 04.07.2023
 (54) LFA-1 inhibitor and polymorph thereof
 (51) Int. Cl.
 C07D 405/00 (2006.01)
 C07D 405/02 (2006.01)
 C07D 405/10 (2006.01)
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 (72) ZELLER, James Robert; VANKATRAMAN, Sripathy; BROT, Elisabeth C.A.; IYER, Subashree; HALL, Michael
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(71) NUTS HOLDINGS, LLC
 (11) AU-A-2023204296
 (21) 2023204296 (22) 04.07.2023
 (54) ENCRYPTED USERDATA TRANSIT AND STORAGE
 (51) Int. Cl.
 G06F 12/14 (2006.01)
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 (72) Auh, Yoon Ho
 (74) Madderns Pty Ltd

(71) Pax Water Technologies Inc.
 (11) AU-A-2023204330
 (21) 2023204330 (22) 05.07.2023
 (54) SYSTEMS AND METHODS FOR REMOVING VOLATILE COMPOUNDS FROM WATER-STORAGE TANKS
 (51) Int. Cl.
 C02F 1/20 (2023.01)
 B01D 19/00 (2006.01)
 F24F 7/02 (2006.01)
 F24F 7/06 (2006.01)
 (43) 27.07.2023
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 (72) Giguere, Robin; Fiske, Peter; Brooke, Ethan
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) Precision BioSciences, Inc.
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C07K 14/705 (2006.01)
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G01N 30/72 (2006.01)
A61K 31/135 (2006.01)
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A61B 17/90 (2006.01)
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E04G 21/32 (2006.01)
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B01D 53/86 (2006.01)
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E21B 49/02 (2006.01)
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A61B 5/05 (2021.01)
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A63B 24/00 (2006.01)
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A61K 31/695 (2006.01)
B82Y 5/00 (2011.01)
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A61N 1/05 (2006.01)
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G10L 15/26 (2006.01)
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G10L 15/18 (2013.01)
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H01M 10/653 (2014.01)
H01M 10/6235 (2014.01)
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(54) TECHNIQUES FOR RANDOM ACCESS POINT INDICATION AND PICTURE OUTPUT IN CODED VIDEO STREAM
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(54) FLEXIBLE PYROLYSIS SYSTEM AND METHOD
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C10B 57/02 (2006.01)
C10B 21/08 (2006.01)
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(51) Int. Cl.
C07C 17/25 (2006.01)
C08J 9/14 (2006.01)
C09K 3/30 (2006.01)
C09K 5/04 (2006.01)
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(54) Semiconductor device, printed circuit board (PCB), and method of interfacing control pin (gate pin) of a power semiconductor device (MOSFET) to a printed circuit board (PCB) in a battery management system (BMS)
(51) Int. Cl.
H01R 4/2406 (2018.01)
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B65D 51/24 (2006.01)
A45F 3/16 (2006.01)
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 (54) ALDOSE REDUCTASE INHIBITORS AND METHODS OF USE THEREOF
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C07D 495/04 (2006.01)
A61K 31/5025 (2006.01)
A61P 3/00 (2006.01)
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 (54) RAIL TIE HANDLING SYSTEM AND METHOD
 (51) Int. Cl.
E01B 29/06 (2006.01)
B65G 47/74 (2006.01)
B65G 67/12 (2006.01)
B65G 67/30 (2006.01)
E01B 29/32 (2006.01)
G05B 19/042 (2006.01)
G05B 19/045 (2006.01)
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G05D 3/20 (2006.01)
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 (54) Methods and systems for electrochemical oxidation of polyfluoroalkyl and perfluoroalkyl contaminants
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C02F 1/461 (2023.01)
B01J 21/06 (2006.01)
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C25B 11/077 (2021.01)
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A61K 36/02 (2006.01)
A23L 33/00 (2016.01)
A61K 31/14 (2006.01)
A61K 31/194 (2006.01)
A61K 31/198 (2006.01)
A61K 31/21 (2006.01)
A61K 31/355 (2006.01)
A61K 31/683 (2006.01)
A61K 36/55 (2006.01)
A61K 36/68 (2006.01)
A61P 25/00 (2006.01)
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C11C 1/02 (2006.01)
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(71) V-Nova International Ltd
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 (54) Entropy coding for signal enhancement coding
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H04N 19/33 (2014.01)
H04N 19/91 (2014.01)
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 (51) Int. Cl.
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 (51) Int. Cl.
H01L 31/042 (2014.01)
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H01L 31/05 (2014.01)
H01L 31/02 (2006.01)
H01L 31/0224 (2006.01)
H01L 31/04 (2014.01)
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 (54) DEVICE FOR COLLECTING FLUID SPECIMEN
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A61B 10/02 (2006.01)
A61J 1/05 (2006.01)
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 (72) FANG, Jianqiu
 (74) Baxter Patent Attorneys Pty Ltd

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 (21) 2023204207 (22) 30.06.2023
 (54) APPARATUS FOR HOUSING AND REVEALING A PLURALITY OF CHILDREN'S TOYS
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A63F 9/12 (2006.01)

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2023204202	TerraPower, LLC	2023204352	SPR Therapeutics, Inc.
2023204203	Komatsu Ltd.	2023204353	Tencent America LLC
2023204204	LG Electronics Inc.	2023204354	CNH Industrial Canada, Ltd.
2023204207	ZURU (SINGAPORE) PTE. LTD.	2023204358	Kortuc Inc.
2023204218	The Trustees of Columbia University in the City of New York	2023204359	LG Electronics Inc.
2023204228	LG Electronics Inc.	2023204360	V-Nova International Ltd
2023204229	LG Electronics Inc.	2023204362	Ceox Technologies Ltd
2023204238	Berry Global, Inc.	2023204363	LG Electronics Inc.
2023204240	Corium, LLC.	2023204365	Cripps Clark, J.
2023204241	Geothermic Solution, LLC	2023204387	air up group GmbH
2023204242	Carillion Utility Services Ltd	2023204389	Quest Diagnostics Investments LLC
2023204248	Halliburton Manufacturing and Services Limited	2023204390	IPH International Pty Ltd
2023204253	InterDigital VC Holdings, Inc.		
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- . (*) Title not in Roman characters
 - . (**) Title not given
- (This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

(71) AB Dynamoborstfabriken
 (11) AU-A-2023100060
 (21) 2023100060 (22) 29.06.2023
 (54) INTELLIGENT GRAPHITE DEVICE
 (51) Int. Cl.
 F16D 66/02 (2006.01)
 F16D 65/00 (2006.01)
 H01R 39/58 (2006.01)
 (45) 27.07.2023
 (62) 2019238946
 (72) BJÖRKLUND, Erik
 (74) Madderns Pty Ltd

(71) Kumiai Chemical Industry Co., Ltd.
 (11) AU-A-2023100062
 (21) 2023100062 (22) 30.06.2023
 (54) Process for producing herbicide and intermediate thereof
 (51) Int. Cl.
 C07D 413/12 (2006.01)
 C07B 61/00 (2006.01)
 (45) 27.07.2023
 (62) 2023201945
 (72) UCHIDA, Yukio; ATSUMI, Naoya; TANI, Shinki; OKADA, Koji; MURAI, Yuta; CAOIMHIN, Arnott
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

(71) Australian Nuclear Science and Technology Organisation; Iluka Resources Limited
 (11) AU-A-2021107678
 (21) 2021107678 (22) 11.11.2021
 (54) Processing of mineral sand particulates
 (51) Int. Cl.
 C22B 1/06 (2006.01)
 C04B 35/48 (2006.01)
 C04B 35/626 (2006.01)
 C04B 41/91 (2006.01)
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 F27B 7/06 (2006.01)
 F27B 7/08 (2006.01)
 F27B 7/36 (2006.01)
 (45) 27.07.2023
 (62) 2021221764
 (72) Bernard, Nick; Bultitude-Paull, John; Gough, Ian; Griffiths, Chris; DeMol, John; Manis, Adrian; Roper, Adam
 (74) FPA Patent Attorneys Pty Ltd

Iluka Resources Limited see Australian Nuclear Science and Technology Organisation
 (21) 2021107678

(71) Kumiai Chemical Industry Co., Ltd.
 (11) AU-A-2023100061
 (21) 2023100061 (22) 30.06.2023
 (54) Process for producing herbicide and intermediate thereof
 (51) Int. Cl.
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 C07B 61/00 (2006.01)
 (45) 27.07.2023
 (62) 2023201945
 (72) UCHIDA, Yukio; ATSUMI, Naoya; TANI, Shinki; OKADA, Koji; MURAI, Yuta; CAOIMHIN, Arnott
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

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- 2023100062** Kumiai Chemical Industry Co., Ltd.

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No IPC Mark

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- . (**) Title not given

<p>(71) 3B PHARMACEUTICALS GMBH (11) AU-A-2022205776 (21) 2022205776 (22) 07.01.2022 (54) COMPOUNDS COMPRISING A FIBROBLAST ACTIVATION PROTEIN LIGAND AND USE THEREOF (51) Int. Cl. C07K 7/06 (2006.01) A61K 38/08 (2019.01) C07K 7/08 (2006.01) C07K 14/81 (2006.01) G01N 33/543 (2006.01) (87) WO2022/148851 (31) EP21150562 (32) 07.01.21 (33) EP (43) 14.07.2022 (72) OSTERKAMP, Frank; HAASE, Christian; SCHNEIDER, Eberhard; PROKSCH, Jonas; ZBORALSKI, Dirk; PASCHKE, Matthias; SMERLING, Christiane; REINEKE, Ulrich (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>(71) A. STUCKI COMPANY (11) AU-A-2022206670 (21) 2022206670 (22) 05.01.2022 (54) RAILCAR DAMPING SYSTEM (51) Int. Cl. B61G 5/02 (2006.01) B61G 7/14 (2006.01) B61G 9/00 (2006.01) B61G 9/04 (2006.01) B61G 11/00 (2006.01) F16F 1/40 (2006.01) (87) WO2022/150387 (31) 63/134,302 (32) 06.01.21 (33) US 63/175,164 15.04.21 US 63/203,295 16.07.21 US (43) 14.07.2022 (72) SHOUP, Joseph Michael; KENNEDY, James Scott; BRANT, Neil Aaron (74) Alder IP Pty Ltd</p> <hr/> <p>(71) ABBOTT DIABETES CARE INC. (11) AU-A-2022214930 (21) 2022214930 (22) 28.01.2022 (54) THIRD PARTY ANALYTE MONITORING (51) Int. Cl. A61B 5/145 (2006.01) G16H 15/00 (2018.01) (87) WO2022/165210 (31) 63/143,339 (32) 29.01.21 (33) US (43) 04.08.2022 (72) LEE, William Koo; REVOLTAR, Andrew; KUMAR, Panganamala Ashwin; STRATIS, Steven; SWINEHART, Lindsey Colleen (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) ABBOTT DIABETES CARE INC. (11) AU-A-2022216248 (21) 2022216248 (22) 02.02.2022 (54) SYSTEMS, DEVICES, AND METHODS RELATING TO MEDICATION DOSE GUIDANCE (51) Int. Cl. G16H 20/17 (2018.01) G16H 50/20 (2018.01) (87) WO2022/169856 (31) 63/145,131 (32) 03.02.21 (33) US 63/225,140 23.07.21 US 63/237,769 27.08.21 US (43) 11.08.2022 (72) HAYTER, Gary A.; BHATTACHARYA, Aparajita; BUDIMAN, Erwin S.; NOVAK, Matthew T.; JIN, Taihao; TAUB, Marc B.; FERN, Jonathan M.; XU, Yongjin; ZHU, Kaiyuan; COVINGTON, Kendall; COOK, Kelly; FLOEH, Jessica Rose; BOSCO, Rosina; CHARLESWORTH, Taylor M.; PARTHASARATHY, Vyshnavi (74) FPA Patent Attorneys Pty Ltd</p> <hr/> <p>(71) ABB SCHWEIZ AG (11) AU-A-2020484053 (21) 2020484053 (22) 30.12.2020 (54) METHOD FOR MONITORING A CONTINUOUS INDUSTRIAL PROCESS AND SYSTEM FOR PERFORMING SAID METHOD (51) Int. Cl. G05B 23/02 (2006.01) (87) WO2022/144082 (43) 07.07.2022 (72) JUHLIN, Prena; KOTRIWALA, Arzam Muzaffar; LI, Nuo; SCHLAKE, Jan-Christoph; LENDERS, Felix; BISKOPING, Matthias; KLOEPPER, Benjamin; BHALODI, Kalpesh; POTSCHKA, Andreas; JANKA, Dennis (74) Griffith Hack</p> <hr/> <p>(71) ABBVIE INC. (11) AU-A-2022211386 (21) 2022211386 (22) 20.01.2022 (54) ANTI-EGFR ANTIBODY-DRUG CONJUGATES (51) Int. Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) (87) WO2022/159576 (31) 63/139,766 (32) 20.01.21 (33) US (43) 28.07.2022 (72) BOGHAERT, Erwin; BRUNCKO, Milan; PHILLIPS, Andrew; SOUERS, Andrew; IZERADJENE, Kamel; HARLAN, John (74) Spruson & Ferguson</p>	<p>(71) AB INITIO TECHNOLOGY LLC (11) AU-A-2022213420 (21) 2022213420 (22) 31.01.2022 (54) DATASET MULTIPLEXER FOR DATA PROCESSING SYSTEM (51) Int. Cl. G06F 16/25 (2019.01) (87) WO2022/165326 (31) 63/143,898 (32) 31.01.21 (33) US 63/163,709 19.03.21 US (43) 04.08.2022 (72) WEISMAN, Amit; FANTASIA, Cory, Christopher James; BECKER, Matthew, Douglas; SCHECHTER, Ian, Robert; BACH, Edward, Alan; PARKS, Robert (74) RnB IP Pty Ltd</p> <hr/> <p>(71) ABIOMED, INC. (11) AU-A-2021413096 (21) 2021413096 (22) 28.12.2021 (54) CRIMP TOOL FOR COMPRESSIBLE CATHETER PUMP (51) Int. Cl. A61M 60/13 (2021.01) A61M 60/237 (2021.01) A61M 60/808 (2021.01) A61M 60/857 (2021.01) A61M 60/865 (2021.01) (87) WO2022/146987 (31) 63/275,264 (32) 03.11.21 (33) US 63/132,994 31.12.20 US (43) 07.07.2022 (72) ZARINS, Christopher; SCHUMACHER, Joerg; D'AMBROSIO, Ralph; THORSTEN, Siess; DASCHESKI, Maxim; ROEHN, Daniel; BIRKHOF, Markus (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>(71) ABIOMED, INC. (11) AU-A-2022205948 (21) 2022205948 (22) 06.01.2022 (54) NETWORK-BASED MEDICAL APPARATUS CONTROL AND DATA MANAGEMENT SYSTEMS (51) Int. Cl. A61B 5/00 (2006.01) (87) WO2022/150523 (31) 63/134,951 (32) 07.01.21 (33) US 17/484,760 24.09.21 US (43) 14.07.2022 (72) BARDOT, Dawn (74) Spruson & Ferguson</p> <hr/> <p>(71) AC IMMUNE SA (11) AU-A-2021399147 (21) 2021399147 (22) 17.12.2021 (54) ANTIBODY DELIVERY (51) Int. Cl. C07K 14/005 (2006.01) A61P 25/00 (2006.01) C07K 16/00 (2006.01)</p>
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(87) WO2022/129609
(31) 20215823.4 **(32)** 18.12.20 **(33)** EP
(43) 23.06.2022
(72) DEL VAL, Gregorio; NÉVOLTRIS, Damien
(74) FB Rice Pty Ltd
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- (71)** ACM BIOLABS PTE LTD
(11) AU-A-2022216818
(21) 2022216818 **(22)** 02.02.2022
(54) SOLE USE OF POLYMERSOME ASSOCIATED ADJUVANT FOR STIMULATING AN IMMUNE RESPONSE
(51) Int. Cl.
A61K 9/127 (2006.01)
A61K 39/39 (2006.01)
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(87) WO2022/167497
(31) 21154745.0 **(32)** 02.02.21 **(33)** EP
(43) 11.08.2022
(72) NALLANI, Madhavan; LAM, Jian Hang; CORNELL, Thomas Andrew; KHAN, Amit Kumar; MARTIN, Liam Thomas
(74) Oxygene IP
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- (71)** ADAPTIVENDO LLC
(11) AU-A-2021396166
(21) 2021396166 **(22)** 07.12.2021
(54) ENDOSCOPE SYSTEMS AND ASSEMBLIES
(51) Int. Cl.
A61B 1/00 (2006.01)
(87) WO2022/125550
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63/203,619 27.07.21 US
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- (71)** AGC INC.; TOYOTA JIDOSHA KABUSHIKI KAISHA
(11) AU-A-2022213131
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(54) INFORMATION PROCESSING SYSTEM AND AUTONOMOUS DRIVING ASSISTANCE METHOD
(51) Int. Cl.
G08G 1/09 (2006.01)
G16Y 10/40 (2020.01)
G16Y 20/20 (2020.01)
G16Y 40/60 (2020.01)
(87) WO2022/163748
(31) 2021-012890 **(32)** 29.01.21 **(33)** JP
(43) 04.08.2022
(72) MIZUNO Takano; SONODA Ryuta; OKA Kentaro
(74) Davies Collison Cave Pty Ltd
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- (71)** AKSEERA PHARMA CORP.; MERCHANT, S.; PATEL, M.
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(51) Int. Cl.
A61K 31/05 (2006.01)
A61K 31/352 (2006.01)
A61K 47/44 (2017.01)
A61K 47/46 (2006.01)
A61P 31/12 (2006.01)
A61P 31/14 (2006.01)
C07K 14/555 (2006.01)
C12Q 1/70 (2006.01)
(87) WO2022/123550
(31) 202021054151 **(32)** 12.12.20 **(33)** IN
(43) 16.06.2022
(72) MERCHANT, Shreema
(74) Duncan Bucknell Company Pty Ltd
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- (71)** ALCON INC.
(11) AU-A-2021406132
(21) 2021406132 **(22)** 21.10.2021
(54) METHODS AND SYSTEMS FOR MAXIMIZING OPHTHALMIC MEDICAL DEVICE UPTIME VIA PREDICTIVE HEALTH MONITORING AND PROACTIVE PREVENTATIVE MAINTENANCE
(51) Int. Cl.
G05B 23/02 (2006.01)
(87) WO2022/136955
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(43) 30.06.2022
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(21) 2022213545 **(22)** 25.01.2022
(54) METHOD FOR THE INSPECTION OF AN OPHTHALMIC LENS FOR SEMI-OPAQUE DEFECTS
(51) Int. Cl.
G01M 11/02 (2006.01)
(87) WO2022/162532
(31) 63/141,544 **(32)** 26.01.21 **(33)** US
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(72) DOVGAL, Vladimir; KRAUS, Sandra
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- (71)** ALCON INC.
(11) AU-A-2022217515
(21) 2022217515 **(22)** 01.02.2022
(54) DIRECT DRIVE ROBOT FOR VITREORETINAL SURGERY
(51) Int. Cl.
A61F 9/007 (2006.01)
A61B 34/00 (2016.01)
A61B 34/37 (2016.01)
(87) WO2022/167935
(31) 63/146,137 **(32)** 05.02.21 **(33)** US
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(72) CHARLES, Steven T.
(74) PHILLIPS ORMONDE FITZPATRICK
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(11) AU-A-2022226463
(21) 2022226463 **(22)** 16.02.2022
(54) METHOD FOR DETERMINING A CHARACTERISTIC OF AN OPTICAL PATHWAY CORRESPONDING TO A FLUID PATHWAY OF A MEDICAL DEVICE
(51) Int. Cl.
G01N 21/15 (2006.01)
G01N 21/94 (2006.01)
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(43) 01.09.2022
(72) JUNG, Christopher Carl
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- (71)** ALFA LAVAL CORPORATE AB
(11) AU-A-2021398897
(21) 2021398897 **(22)** 22.11.2021
(54) METHOD FOR OPERATING BIOPROCESSING SYSTEM AND BIOPROCESSING SYSTEM
(51) Int. Cl.
C12M 1/00 (2006.01)
C12M 1/26 (2006.01)
(87) WO2022/128347
(31) 20214285.7 **(32)** 15.12.20 **(33)** EP
(43) 23.06.2022
(72) KÖNIGSSON, Staffan; THORWID, Peter
(74) FB Rice Pty Ltd
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- (71)** ALLITE (JIANGSU) MAGNESIUM TECHNOLOGY CO., LTD.
(11) AU-A-2022208124
(21) 2022208124 **(22)** 13.01.2022
(54) MG-AL MAGNESIUM ALLOY, PREPARATION METHOD FOR TUBE MADE OF MG-AL MAGNESIUM ALLOY, APPLICATION OF MG-AL MAGNESIUM ALLOY
(51) Int. Cl.
C22C 23/02 (2006.01)
B21C 23/20 (2006.01)
C22C 1/02 (2006.01)
C22F 1/06 (2006.01)

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 (21) 2021417899 (22) 13.12.2021
 (54) TREATMENT PLANNING FOR ALPHA PARTICLE RADIOTHERAPY
 (51) Int. Cl.
A61B 6/00 (2006.01)
 (87) WO2022/149024
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 (43) 14.07.2022
 (72) KELSON, Itzhak; ARAZI, Lior; GAT, Amnon; HEGER, Guy
 (74) FPA Patent Attorneys Pty Ltd

(71) ALUME BIOSCIENCES, INC.
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 (54) METHODS AND COMPOSITIONS FOR VISUALIZING A URETER IN A SURGICAL PROCEDURE
 (51) Int. Cl.
A61K 49/00 (2006.01)
 (87) WO2022/155385
 (31) 63/137,621 (32) 14.01.21 (33) US
 (43) 21.07.2022
 (72) NGUYEN, Quyen; WHITNEY, Michael
 (74) Davies Collison Cave Pty Ltd

(71) AMGEN INC.
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 (21) 2022234768 (22) 10.03.2022
 (54) METHODS FOR PURIFICATION OF RECOMBINANT PROTEINS
 (51) Int. Cl.
C07K 1/16 (2006.01)
B01D 15/18 (2006.01)
C07K 1/36 (2006.01)
C12N 7/04 (2006.01)
G01N 30/60 (2006.01)
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 (74) Spruson & Ferguson

(71) ANTECIP BIOVENTURES II LLC
 (11) AU-A-2022207514
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 (54) COMBINATION OF AN ANTIDEPRESSANT AND DEXTROMETHORPHAN FOR NEUROPSYCHIATRIC CONDITIONS
 (51) Int. Cl.

A61K 31/137 (2006.01)
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A61P 25/24 (2006.01)
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(71) APERTURE IN MOTION, LLC
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A61F 9/007 (2006.01)
A61B 3/10 (2006.01)
A61F 2/14 (2006.01)
A61F 9/00 (2006.01)
A61F 9/013 (2006.01)
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 (43) 16.06.2022
 (72) SERDAREVIC, Olivia, N.
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) APPLIED RESEARCH ASSOCIATES, INC.
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 (21) 2021417213 (22) 09.12.2021
 (54) SYSTEM AND METHOD FOR DETERMINING THE GEOGRAPHIC LOCATION IN AN IMAGE
 (51) Int. Cl.
G06V 20/50 (2022.01)
G06V 10/25 (2022.01)
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 (31) 17/141,684 (32) 05.01.21 (33) US
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 (72) WARNAAR, Dirk, B.; BESAW, Lance, E.
 (74) FB Rice Pty Ltd

(71) APPY RISK TECHNOLOGIES LIMITED
 (11) AU-A-2021395472
 (21) 2021395472 (22) 10.12.2021
 (54) AN IMPACT DETECTION SYSTEM FOR A VEHICLE
 (51) Int. Cl.
H04W 4/38 (2018.01)
B60R 21/013 (2006.01)
B60R 21/0132 (2006.01)
B60R 21/0136 (2006.01)
H04W 4/44 (2018.01)
H04W 4/48 (2018.01)
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 (31) 2019514.5 (32) 10.12.20 (33) GB
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 (72) MADDOCK, Robert; WHEELER, Alex; SINGH, Jaipal; RIBARD, Raphael
 (74) WRAYS PTY LTD

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 (21) 2021396589 (22) 10.12.2021
 (54) A METHOD OF SYNCRONISING DATASETS
 (51) Int. Cl.
H04W 4/38 (2018.01)
G01C 21/00 (2006.01)
G01S 7/497 (2006.01)
 (87) WO2022/123265
 (31) 2019516.0 (32) 10.12.20 (33) GB
 (43) 16.06.2022
 (72) MADDOCK, Robert
 (74) WRAYS PTY LTD

(71) APPY RISK TECHNOLOGIES LIMITED
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 (54) A MOUNT SECURITY DETECTION METHOD
 (51) Int. Cl.
H04W 4/38 (2018.01)
B60R 21/00 (2006.01)
G07C 5/00 (2006.01)
H04W 4/40 (2018.01)
 (87) WO2022/123267
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 (43) 16.06.2022
 (72) MADDOCK, Robert
 (74) WRAYS PTY LTD

(71) AQUASPERSIONS LIMITED
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 (21) 2022208198 (22) 13.01.2022
 (54) AQUEOUS BIOPOLYMER DISPERSIONS
 (51) Int. Cl.
D21H 19/12 (2006.01)
C08L 67/04 (2006.01)
C09D 167/04 (2006.01)
D21H 19/28 (2006.01)
D21H 19/60 (2006.01)
D21H 19/62 (2006.01)
D21H 21/16 (2006.01)
D21H 27/10 (2006.01)
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 (31) 21151459.1 (32) 13.01.21 (33) EP
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 (72) BEWSHER, Alan; SMITH, Paul; ROWLEY, Jade
 (74) Baxter Patent Attorneys Pty Ltd

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 (11) AU-A-2022214230
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 (54) LOW ALCOHOL BEER-TASTE BEVERAGE
 (51) Int. Cl.
A23L 2/00 (2006.01)
A23L 2/38 (2021.01)
A23L 2/56 (2006.01)
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 (31) 2021-012326 (32) 28.01.21 (33) JP
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 (21) 2022214986 (22) 21.01.2022
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 (51) Int. Cl.
 C12G 3/06 (2006.01)
 A23L 2/00 (2006.01)
 A23L 2/52 (2006.01)
 C12C 5/02 (2006.01)
 C12C 12/04 (2006.01)
 C12G 3/021 (2019.01)
 C12H 3/00 (2019.01)
 (87) WO2022/163522
 (31) 2021-012325 (32) 28.01.21 (33) JP
 (43) 04.08.2022
 (72) KUBOTA, Jun; BABA, Mari; NA-KAYAMA, Wataru
 (74) Spruson & Ferguson
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 (11) AU-A-2021399702
 (21) 2021399702 (22) 07.12.2021
 (54) TRAJECTORY AND INTENT PREDICTION
 (51) Int. Cl.
 G07C 9/00 (2020.01)
 G07C 9/28 (2020.01)
 H04W 12/63 (2021.01)
 (87) WO2022/128623
 (31) 63/125,044 (32) 14.12.20 (33) US
 (43) 23.06.2022
 (72) SACHDEVA, Kapil; PREVOST, Sylvain Jacques; CHEN, Jianbo
 (74) Davies Collison Cave Pty Ltd
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- (71) ASSA ABLOY AB
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 (54) TRAJECTORY PREDICTION WITH DATA NORMALIZATION
 (51) Int. Cl.
 G01C 21/20 (2006.01)
 G07C 9/00 (2020.01)
 H04W 4/33 (2018.01)
 H04W 12/63 (2021.01)
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 (54) LIPOCALIN MUTEIN DRY POWDER FORMULATION FOR TREATMENT OF ASTHMA
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 A61K 38/17 (2006.01)
 A61K 9/00 (2006.01)
 A61P 11/06 (2006.01)
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 (72) FITZGERALD, Mary; CLOSE, David Robert; GARDINER, Philip; PALMÉR, Robert Alexander; SAVOLAINEN, Marja Riikka; GRACIN, Sandra; AJMERA, Ankur
 (74) FB Rice Pty Ltd
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- (71) ASTRAZENECA AB
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 (54) N-(2-(4-CYANOTHIAZOLIDIN-3-YL)-2-OXOETHYL)-QUINOLINE-4-CARBOXAMIDES
 (51) Int. Cl.
 C07D 417/12 (2006.01)
 A61K 31/4709 (2006.01)
 A61P 1/16 (2006.01)
 C07D 417/14 (2006.01)
 C07D 487/04 (2006.01)
 C07D 487/10 (2006.01)
 C07D 491/10 (2006.01)
 C07D 495/10 (2006.01)
 C07D 498/08 (2006.01)
 C07D 498/10 (2006.01)
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 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) ASTRAZENECA AB
 (11) AU-A-2021404495
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 (54) ANTI-IL5R ANTIBODY FORMULATIONS
 (51) Int. Cl.
 A61K 39/395 (2006.01)
 A61K 9/00 (2006.01)
 A61K 47/18 (2017.01)
 A61K 47/26 (2006.01)
 A61P 1/04 (2006.01)
 A61P 11/00 (2006.01)
 A61P 11/06 (2006.01)
 A61P 11/14 (2006.01)
 A61P 37/08 (2006.01)
 C07K 16/28 (2006.01)
 A61K 39/00 (2006.01)
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 (11) AU-A-2022213335
 (21) 2022213335 (22) 26.01.2022
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 (51) Int. Cl.
 A61K 31/7076 (2006.01)
 A61K 31/708 (2006.01)
 B01D 9/02 (2006.01)
 C07D 405/14 (2006.01)
 C07H 19/20 (2006.01)
 (87) WO2022/164941
 (31) 63/141,789 (32) 26.01.21 (33) US
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- (43) 04.08.2022
 (72) MOUSSA, Adel
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 (21) 2021411718 (22) 23.12.2021
 (54) ROBOTIC SYSTEM FOR AUTOMATIC REFUELLING OF VEHICLES
 (51) Int. Cl.
 B67D 7/04 (2010.01)
 B25J 19/00 (2006.01)
 B67D 7/32 (2010.01)
 B67D 7/84 (2010.01)
 (87) WO2022/144300
 (31) 20217945.3 (32) 30.12.20 (33) EP
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 (43) 07.07.2022
 (72) VOGELAAR, Johannes Sijbrand; MEIJERINK, Erwin; VON BUCHWALD, Esben; OLSEN, Jonas Thor
 (74) FB Rice Pty Ltd
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 (11) AU-A-2022210524
 (21) 2022210524 (22) 20.01.2022
 (54) SEQUENTIAL DELIVERY OF RNPS TO IMMUNE CELLS
 (51) Int. Cl.
 C12N 5/0783 (2010.01)
 A61K 35/17 (2015.01)
 C07K 14/705 (2006.01)
 C07K 14/725 (2006.01)
 C12N 15/113 (2010.01)
 (87) WO2022/157671
 (31) 63/139,649 (32) 20.01.21 (33) US
 (43) 28.07.2022
 (72) O'DEA, Shirley; MAGUIRE, Michael
 (74) FPA Patent Attorneys Pty Ltd
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- (71) AVENT, INC.
 (11) AU-A-2021411576
 (21) 2021411576 (22) 30.12.2021
 (54) PROTECTIVE COVER FOR MEDICAL SPIKE PRODUCTS
 (51) Int. Cl.
 A61B 50/20 (2016.01)
 A61B 17/00 (2006.01)
 A61B 50/30 (2016.01)
 A61M 5/00 (2006.01)
 (87) WO2022/147199
 (31) 17/137,836 (32) 30.12.20 (33) US
 (43) 07.07.2022
 (72) LEARD, Brett C.; WANG, Ruoya; MANNION, Gavin H.; LIEN, Khoa T.; WIDGER, Collin
 (74) GLMR
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- (71) AVENT, INC.
 (11) AU-A-2021413113
 (21) 2021413113 (22) 30.12.2021
 (54) SYSTEM AND METHOD FOR PACKAGING AND PREPARING A RADIOFREQUENCY ABLATION KIT
 (51) Int. Cl.
 A61B 42/40 (2016.01)
 A61B 17/00 (2006.01)

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 WANG, Ruoya; SMITH, Ryan D.; ELLS-
 WOOD, Mark R.; LIEN, Khoa T.
(74) GLMR

(71) AVENT, INC.
(11) AU-A-2021413865
(21) 2021413865 **(22)** 30.12.2021
(54) RADIOFREQUENCY PROBE, SYS-
 TEM, AND METHOD FOR ADAPTIVE
 MULTIVARIATE CONTROL OF AN AB-
 LATION PROCEDURE
(51) Int. Cl.
A61B 18/14 (2006.01)
A61B 18/12 (2006.01)
A61B 18/00 (2006.01)
A61B 90/00 (2016.01)
(87) WO2022/147198
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(43) 07.07.2022
(72) SCHEPIS, Eric A.; CALDWELL, Ryan
 B.; SHAH, Jalpa S.; BURNES, Lee C.;
 SOIN, Amol
(74) GLMR

(71) BAE SYSTEMS PLC
(11) AU-A-2022208339
(21) 2022208339 **(22)** 07.01.2022
(54) BLAST ATTENUATION DEVICE
(51) Int. Cl.
F41A 21/28 (2006.01)
F41A 21/36 (2006.01)
(87) WO2022/153035
(31) 2100374.4 **(32)** 12.01.21 **(33)** GB
(43) 21.07.2022
(72) LEWIN, Richard, Peter; GRIFFITH,
 Peter Andrew
(74) Spruson & Ferguson

(71) BAKER HUGHES HOLDINGS LLC
(11) AU-A-2022205954
(21) 2022205954 **(22)** 07.01.2022
(54) SKIVE CUT BOREHOLE SCREEN
 END RING METHOD OF USE
(51) Int. Cl.
E21B 43/08 (2006.01)
(87) WO2022/150553
(31) 17/145,565 **(32)** 11.01.21 **(33)** US
(43) 14.07.2022
(72) KOLI, Jai K.; MALBREL, Christopher
(74) Patent Attorney Services

(71) BAKER HUGHES OILFIELD OPERA-
 TIONS LLC
(11) AU-A-2021409979
(21) 2021409979 **(22)** 17.12.2021
(54) OPEN TIP DOWNHOLE EXPANSION
 TOOL
(51) Int. Cl.
E21B 23/04 (2006.01)
E21B 23/01 (2006.01)
(87) WO2022/140751
(31) 17/132,734 **(32)** 23.12.20 **(33)** US

(43) 30.06.2022
(72) URBAN, Larry; ANDERSON, Gary;
 SHIRK, Tyler; WELCH, Tanner
(74) Patent Attorney Services

(71) BAKER HUGHES OILFIELD OPERA-
 TIONS LLC
(11) AU-A-2021410067
(21) 2021410067 **(22)** 17.12.2021
(54) OPEN TIP DOWNHOLE EXPANSION
 TOOL
(51) Int. Cl.
E21B 43/10 (2006.01)
A23G 1/36 (2006.01)
E21B 33/12 (2006.01)
(87) WO2022/140750
(31) 17/132,618 **(32)** 23.12.20 **(33)** US
(43) 30.06.2022
(72) URBAN, Larry; ANDERSON, Gary;
 SHIRK, Tyler; WELCH, Tanner
(74) Patent Attorney Services

(71) BAKER HUGHES OILFIELD OPERA-
 TIONS LLC
(11) AU-A-2022208494
(21) 2022208494 **(22)** 10.01.2022
(54) AUTOMATIC WELL CONTROL BASED
 ON DETECTION OF FRACTURE
 DRIVEN INTERFERENCE
(51) Int. Cl.
E21B 43/267 (2006.01)
E21B 41/00 (2006.01)
G06N 20/00 (2019.01)
(87) WO2022/155633
(31) 17/149,706 **(32)** 14.01.21 **(33)** US
(43) 21.07.2022
(72) SHAHKARAMI, Alireza; KLENNER,
 Robert; STEPHENSON, Hayley;
 JOSHI, Mahendra; MURRELL, Glen;
 IZADI, Ghazal
(74) Patent Attorney Services

(71) BAMBINO PREZIOSO SWITZERLAND
 AG
(11) AU-A-2021396550
(21) 2021396550 **(22)** 10.12.2021
(54) CHILD SAFETY SEAT AND SEAT
 BASE
(51) Int. Cl.
B60N 2/28 (2006.01)
(87) WO2022/123048
(31) 202011441086.3 **(32)** 11.12.20 **(33)** CN
(43) 16.06.2022
(72) ZHANG, Daliang
(74) James & Wells Intellectual Property

(71) BARD PERIPHERAL VASCULAR, INC.
(11) AU-A-2021426276
(21) 2021426276 **(22)** 08.02.2021
(54) ADAPTOR COMPONENTS FOR PAR-
 TICULATE MATERIAL DELIVERY AS-
 SEMBLIES AND METHODS OF USE
(51) Int. Cl.
A61M 5/14 (2006.01)
A61M 39/10 (2006.01)
A61M 39/26 (2006.01)
(87) WO2022/169462

(43) 11.08.2022
(72) SIMMONS, Brandon David; WRIGHT,
 Mark Nicholas
(74) FB Rice Pty Ltd

(71) BARRY CALLEBAUT AG
(11) AU-A-2022208415
(21) 2022208415 **(22)** 14.01.2022
(54) CHOCOLATE COMPOSITION AND
 METHOD FOR OBTAINING THE
 SAME
(51) Int. Cl.
A23G 1/30 (2006.01)
A23G 1/36 (2006.01)
A23G 1/48 (2006.01)
A23G 9/48 (2006.01)
(87) WO2022/152884
(31) 21151789.1 **(32)** 15.01.21 **(33)** EP
(43) 21.07.2022
(72) KÖGMEN, Elif; COPPIN, Stephanie;
 DE SCHINKEL, Dominiek
(74) Spruson & Ferguson

(71) BEAUTY MOLECULES INTERNA-
 TIONAL LIMITED
(11) AU-A-2022358642
(21) 2022358642 **(22)** 04.04.2022
(54) COSMETIC CASE
(51) Int. Cl.
A45D 40/00 (2006.01)
(31) 17/573,004 **(32)** 11.01.22 **(33)** US
(43) 27.07.2023
(72) CHARLOT, Pierre; CHAMI, Ralph;
 COX, Natalie; NICOLAI, Audrey;
 TALABAZA, Celine
(74) FOUNDRY INTELLECTUAL PROP-
 ERTY PTY LTD

(71) BECTON, DICKINSON AND COM-
 PANY
(11) AU-A-2021421987
(21) 2021421987 **(22)** 30.12.2021
(54) OCCLUSION SENSOR FOR PUMP
 ASSEMBLY
(51) Int. Cl.
A61M 5/142 (2006.01)
A61M 5/148 (2006.01)
(87) WO2022/159242
(31) 63/139,664 **(32)** 20.01.21 **(33)** US
(43) 28.07.2022
(72) TUOHY, John
(74) FB Rice Pty Ltd

(71) BECTON, DICKINSON AND COM-
 PANY
(11) AU-A-2022207074
(21) 2022207074 **(22)** 12.01.2022
(54) VASCULAR ACCESS INSTRUMENT
 ADVANCEMENT DEVICES, SYS-
 TEMS, AND METHODS
(51) Int. Cl.
A61B 34/20 (2016.01)
A61B 5/00 (2006.01)
A61B 5/02 (2006.01)
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 (72) SCHERICH, Megan; HARDING, Weston, F.; HORTIN, Justin, G.; PETERSON, Bart, D.
 (74) FB Rice Pty Ltd
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 (11) AU-A-2022208268
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 (54) A TRANSPORTATION TRAY FOR TRANSPORTATION OF A FILLED SYRINGE
 (51) Int. Cl.
A61M 5/00 (2006.01)
 (87) WO2022/155224
 (31) 63/136,673 (32) 13.01.21 (33) US
 (43) 21.07.2022
 (72) HANG, Tianqi
 (74) FB Rice Pty Ltd
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- (71) BEIJING ROBOROCK TECHNOLOGY CO., LTD.
 (11) AU-A-2021397991
 (21) 2021397991 (22) 15.09.2021
 (54) WASHING CONTROL METHOD AND APPARATUS, COMPUTER READABLE STORAGE MEDIUM, AND ELECTRONIC DEVICE
 (51) Int. Cl.
A47L 11/292 (2006.01)
 (87) WO2022/121425
 (31) 202011461107.8 (32) 11.12.20 (33) CN
 202110948745.0 18.08.21 CN
 (43) 16.06.2022
 (72) LI, Xing; DUAN, Chuanlin; PENG, Song; WANG, Yixing; JIA, Jingtao; WU, Qi; HAN, Xinyu
 (74) Allens Patent & Trade Mark Attorneys
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- (71) BEIJING TENSAM HIGH-TECH WIND POWER TECHNOLOGY CO., LTD.
 (11) AU-A-2021415943
 (21) 2021415943 (22) 16.12.2021
 (54) TOWER SEGMENT DIE
 (51) Int. Cl.
B28B 21/82 (2006.01)
 (87) WO2022/143185
 (31) 202023247399.3 (32) 28.12.20 (33) CN
 (43) 07.07.2022
 (72) LIU, Yanjun; CONG, Ou; ZOU, Jingtao
 (74) Madderns Pty Ltd
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- (71) BELGIAN VOLITION SRL
 (11) AU-A-2021414296
 (21) 2021414296 (22) 29.12.2021
 (54) CIRCULATING TRANSCRIPTION FACTOR ANALYSIS
 (51) Int. Cl.
C12Q 1/6806 (2018.01)
C12Q 1/6804 (2018.01)
C12Q 1/6886 (2018.01)
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- (71) MICALLEF, Jacob Vincent; ECCLESTON, Mark Edward; PAMART, Dorian Fernand François; HERZOG, Marielle
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71) BELGO BEKAERT ARAMES LTDA; NV BEKAERT SA
 (11) AU-A-2021414421
 (21) 2021414421 (22) 15.12.2021
 (54) ASSEMBLY OF WELDED WIRE MESH PANEL AND FRAME
 (51) Int. Cl.
E21D 11/15 (2006.01)
B21C 51/00 (2006.01)
B21F 27/12 (2006.01)
E04C 5/06 (2006.01)
E04C 5/20 (2006.01)
E21D 11/00 (2006.01)
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 (72) CHIARI COSTA, Gelmo; RODRIGUES JARDIM, Daniel
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- (71) BELTRAN, J.L.
 (11) AU-A-2021400598
 (21) 2021400598 (22) 16.12.2021
 (54) POWER GENERATOR WITH MULTIPLE TURBINE UNITS
 (51) Int. Cl.
F03G 3/02 (2006.01)
F03B 17/04 (2006.01)
F03G 3/04 (2006.01)
F03G 7/10 (2006.01)
 (87) WO2022/133013
 (31) 63/126,315 (32) 16.12.20 (33) US
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 (43) 23.06.2022
 (72) BELTRAN, Jose, Leon
 (74) Jones Tulloch
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- (71) BETAPACK, S.A.U.
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 (21) 2022209059 (22) 10.01.2022
 (54) CAPPING DEVICE COMPRISING AN CAP HINGED TO A BASE
 (51) Int. Cl.
B65D 55/16 (2006.01)
B65D 41/34 (2006.01)
 (87) WO2022/152645
 (31) 21382006.1 (32) 12.01.21 (33) EP
 (43) 21.07.2022
 (72) BERROA GARCÍA, Francisco Javier
 (74) Wadeson IP Pty Ltd
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- (71) BET STREAM PTY LTD
 (11) AU-A-2022207356
 (21) 2022207356 (22) 12.01.2022
 (54) SYSTEM AND METHOD FOR ENABLING EXCHANGE OF ONLINE BETS
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G07F 17/32 (2006.01)
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 (72) GORDON, Ryan; STANLEY, Joseph; DRAPER, Antonio
 (74) Murray Trento & Associates Pty Ltd
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- (71) BFP MANAGEMENT, LLC
 (11) AU-A-2022205667
 (21) 2022205667 (22) 07.01.2022
 (54) MULTIPLE ION NANOPARTICLE FOR DELIVERY OF AGRICULTURAL PRODUCTS
 (51) Int. Cl.
C05G 5/27 (2020.01)
A01C 21/00 (2006.01)
A61K 9/51 (2006.01)
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 (43) 14.07.2022
 (72) BUNDERSON, Landon; HENDRICKSON, Christopher
 (74) Spruson & Ferguson
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- (71) BHMPC INVESTMENTS PTY LTD
 (11) AU-A-2022379907
 (21) 2022379907 (22) 26.10.2022
 (54) PROCESS FOR SEPARATING IRON-BEARING IMPURITIES FROM A HOST MATRIX
 (51) Int. Cl.
B03B 9/00 (2006.01)
B03D 1/002 (2006.01)
B03D 1/008 (2006.01)
B03D 1/02 (2006.01)
B03D 1/08 (2006.01)
C03C 1/02 (2006.01)
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 (31) 2021903501 (32) 02.11.21 (33) AU
 (43) 11.05.2023
 (72) HOBAN, Steven John; KOCHMANSKI, Robert
 (74) WRAYS PTY LTD
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- (71) BIOCON BIOLOGICS LIMITED
 (11) AU-A-2022216492
 (21) 2022216492 (22) 24.01.2022
 (54) A PROCESS FOR THE REGENERATION OF SILICA BASED REVERSE PHASE CHROMATOGRAPHY MATERIAL
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C08K 3/36 (2006.01)
B01J 20/30 (2006.01)
 (87) WO2022/167891
 (31) 202141004532 (32) 02.02.21 (33) IN
 (43) 11.08.2022
 (72) ALAGURAJAN, Sathish; KAMATH, Sandeep V; QAIS, Shabandri
 (74) AJ Pietras IP Limited
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 (21) 2021395736 (22) 07.12.2021
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C12N 15/10 (2006.01)
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C12P 19/34 (2006.01)
C12Q 1/6844 (2018.01)
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(72) ZIEGENHALS, Thomas; KUHN, Andreas; FESSER, Stephanie
(74) FB Rice Pty Ltd
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(21) 2022207661 (22) 14.01.2022
(54) CELLULASE-CONTAINING COMPOSITION, USE THEREOF AND METHOD FOR RESTORING OF USED GARMENTS
(51) Int. Cl.
D06M 16/00 (2006.01)
(87) WO2022/152858
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(72) HUSSAIN, Wajahat
(74) Davies Collison Cave Pty Ltd
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- (71) BLACK CAT WEAR PARTS LTD.
(11) AU-A-2022223374
(21) 2022223374 (22) 10.01.2022
(54) HEEL SHROUD FOR MATERIAL MOVING IMPLEMENT AND ASSOCIATED METHODS
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E02F 9/28 (2006.01)
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(72) RUVANG, John, A.
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E04C 5/16 (2006.01)
E04B 2/26 (2006.01)
(87) WO2022/160006
(31) 2021200539 (32) 28.01.21 (33) AU
(43) 04.08.2022
(72) RAFFERTY, Christopher; THORLEY, Craig; CURRAN, Jamie; KOHL, Oliver
(74) DAVIS IP PTY LTD
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- (71) BODUS GMBH
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(54) APPARATUS FOR INSERTING AND POSITIONING A PIPELINE LINING IN A PIPE AND METHOD FOR INSERTING AND POSITIONING A PIPELINE LINING IN A PIPE
(51) Int. Cl.
B29C 63/36 (2006.01)
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(72) BOLLER, Daniel
(74) Spruson & Ferguson
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- (71) BOEHRINGER INGELHEIM INTERNATIONAL GMBH
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(21) 2022231135 (22) 03.03.2022
(54) METHODS FOR THE TREATMENT OF GPP
(51) Int. Cl.
A61K 39/395 (2006.01)
A61P 17/06 (2006.01)
C07K 16/28 (2006.01)
(87) WO2022/187434
(31) 63/156,600 (32) 04.03.21 (33) US
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(43) 09.09.2022
(72) THOMA, Christian; HALL, David B.; LANG, Benjamin
(74) Spruson & Ferguson
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- (71) BOMBARDIER TRANSPORTATION GMBH
(11) AU-A-2022210644
(21) 2022210644 (22) 18.01.2022
(54) METHOD FOR MANAGING POWER CONSUMPTION OF A RAILWAY VEHICLE, AND RAILWAY VEHICLE WITH IMPROVED POWER CONSUMPTION MANAGEMENT
(51) Int. Cl.
B60L 1/00 (2006.01)
B60L 5/00 (2006.01)
B60L 7/10 (2006.01)
B60L 50/53 (2019.01)
(87) WO2022/157145
(31) 2100956.8 (32) 25.01.21 (33) GB
(43) 28.07.2022
(72) PALMISANO, Domenico
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
-
- (71) BOSTON SCIENTIFIC SCIMED INC.
(11) AU-A-2022218780
(21) 2022218780 (22) 10.02.2022
(54) MAGNETIC PROPULSION AND BEARING FOR A HEMODYNAMIC SUPPORT PUMP
(51) Int. Cl.
A61M 60/13 (2021.01)
A61M 60/221 (2021.01)
A61M 60/419 (2021.01)
A61M 60/422 (2021.01)
A61M 60/824 (2021.01)
A61M 60/825 (2021.01)
(87) WO2022/173977
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(72) EDWARDS, Nathan; LARSEN, Steven; SCHAUER, Travis; LUCAS, Jeffrey; RADMAN, Lloyd; MURTHY, Sam
(74) Spruson & Ferguson
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- (71) BOYLE, N.
(11) AU-A-2021395700
(21) 2021395700 (22) 10.12.2021
(54) A TRAFFIC RISK MANAGEMENT SYSTEM
(51) Int. Cl.
G08G 1/16 (2006.01)
G08B 21/02 (2006.01)
(87) WO2022/120433
(31) 2020904585 (32) 10.12.20 (33) AU
(43) 16.06.2022
(72) BOYLE, Norman
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71) BRADER, E.W.
(11) AU-A-2021400576
(21) 2021400576 (22) 15.12.2021
(54) TRANSMYOCARDIAL JET PERFUSION DEVICE
(51) Int. Cl.
A61B 17/34 (2006.01)
A61M 19/00 (2006.01)
A61M 25/00 (2006.01)
(87) WO2022/132896
(31) 63/126,119 (32) 16.12.20 (33) US
63/126,130 16.12.20 US
63/132,165 30.12.20 US
63/132,192 30.12.20 US
(43) 23.06.2022
(72) BRADER, Eric, William
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) BRAUN GMBH
(11) AU-A-2022225168
(21) 2022225168 (22) 22.02.2022
(54) DRIVE UNIT AND PERSONAL CARE DEVICE WITH A DRIVE UNIT
(51) Int. Cl.
F16H 21/50 (2006.01)
F16H 21/16 (2006.01)
F16H 23/04 (2006.01)
F16H 23/06 (2006.01)
F16H 23/08 (2006.01)
(87) WO2022/180512
(31) 21158962.7 (32) 24.02.21 (33) EP
22156286.1 11.02.22 EP
(43) 01.09.2022
(72) ALTMANN, Niclas
(74) AJ PARK
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- (71) BRODIE, A.M.D.
(11) AU-A-2022207355
(21) 2022207355 (22) 11.01.2022
(54) DEVICES, SYSTEMS AND METHODS USING FLEXIBLE CIRCUITRY FOR STIMULATING A BODY OF A SUBJECT TO CAUSE A DESIRED MOVEMENT
(51) Int. Cl.
A61N 1/04 (2006.01)
A61B 5/11 (2006.01)
H05K 1/02 (2006.01)
(87) WO2022/150875
(31) 2021900064 (32) 13.01.21 (33) AU
(43) 21.07.2022
(72) BRODIE, Andrew, Matthew, Dalhousie
(74) Baxter Patent Attorneys Pty Ltd

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<p>(71) B-TEMIA INC. (11) AU-A-2021397815 (21) 2021397815 (22) 06.12.2021 (54) ORTHOTIC STRUCTURE SUPPORT BELT (51) Int. Cl. A61F 5/24 (2006.01) A61F 5/01 (2006.01) A61F 5/02 (2006.01) (87) WO2022/120466 (31) 63/122,445 (32) 07.12.20 (33) US (43) 16.06.2022 (72) SOUCY, Francisco; ZOSO, Nathaniel (74) IP SOLVED (ANZ) PTY. LTD.</p>	<p>(87) WO2022/155320 (31) 17/148,159 (32) 13.01.21 (33) US (43) 21.07.2022 (72) SUTTON, Lynda; SMITH, Jill, P.; CATO, Allen; PHILLIPS, Teresa (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD</p>	<p>(71) CAPITAL ONE SERVICES, LLC (11) AU-A-2022214074 (21) 2022214074 (22) 25.01.2022 (54) CONTACTLESS DELIVERY SYSTEMS AND METHODS (51) Int. Cl. G06Q 20/32 (2012.01) G06Q 10/08 (2023.01) G06Q 20/40 (2012.01) G06Q 30/06 (2023.01) (87) WO2022/164782 (31) 17/160,049 (32) 27.01.21 (33) US (43) 04.08.2022 (72) OSBORN, Kevin; SMITH-ROSE, Asher; MONTEALEGRE, Andrea (74) Spruson & Ferguson</p>
<p>(71) C.I.R.A. (CENTRO ITALIANO RICER- CHE AEROSPAZIALI) S.C.P.A. (11) AU-A-2022217503 (21) 2022217503 (22) 13.01.2022 (54) HYBRID INFLATABLE AIRCRAFT OF THE UNMANNED TYPE (51) Int. Cl. B64C 3/10 (2006.01) (87) WO2022/167875 (31) 102021000002609 (32) 05.02.21 (33) IT (43) 11.08.2022 (72) PERSECHINO, Giuseppe; BARANI- ELLI, Vincenzo Rosario; BORSA, Roberto (74) Murray Trento & Associates Pty Ltd</p>	<p>(71) CAPITAL ONE SERVICES, LLC (11) AU-A-2022212939 (21) 2022212939 (22) 26.01.2022 (54) SYSTEMS AND METHODS FOR SE- CURE REPROVISIONING (51) Int. Cl. H04W 4/80 (2018.01) G06Q 20/10 (2012.01) G06Q 20/20 (2012.01) G06Q 20/34 (2012.01) G06Q 20/36 (2012.01) H04L 9/08 (2006.01) H04L 9/32 (2006.01) H04W 12/04 (2021.01) H04W 12/06 (2021.01) H04W 12/30 (2021.01) H04W 12/47 (2021.01) (87) WO2022/164904 (31) 17/161,285 (32) 28.01.21 (33) US (43) 04.08.2022 (72) OSBORN, Kevin; RULE, Jeffrey (74) Spruson & Ferguson</p>	<p>(71) CAPITAL ONE SERVICES, LLC (11) AU-A-2022214817 (21) 2022214817 (22) 26.01.2022 (54) SYSTEMS AND METHODS FOR AUTHENTICATION OF ACCESS TOKENS (51) Int. Cl. G06F 21/35 (2013.01) G06F 21/60 (2013.01) G06Q 20/02 (2012.01) G06Q 20/22 (2012.01) G06Q 20/32 (2012.01) G06Q 20/38 (2012.01) H04L 9/08 (2006.01) H04L 9/32 (2006.01) H04W 4/80 (2018.01) H04W 12/033 (2021.01) H04W 12/04 (2021.01) H04W 12/47 (2021.01) (87) WO2022/164898 (31) 17/161,488 (32) 28.01.21 (33) US (43) 04.08.2022 (72) RULE, Jeffrey; NEWMAN, Kaitlin; ILINCIC, Rajko (74) Spruson & Ferguson</p>
<p>(71) CALIK DENIM TEKSTIL SAN. VE TIC. A.S. (11) AU-A-2022205773 (21) 2022205773 (22) 07.01.2022 (54) ENCAPSULATED INDIGO (51) Int. Cl. D06P 1/00 (2006.01) C08B 37/16 (2006.01) C08L 5/16 (2006.01) C09B 67/08 (2006.01) D06B 3/04 (2006.01) D06B 3/12 (2006.01) D06B 3/18 (2006.01) D06B 21/00 (2006.01) D06B 23/14 (2006.01) D06P 1/22 (2006.01) D06P 1/24 (2006.01) D06P 1/44 (2006.01) (87) WO2022/148836 (31) 21150591.2 (32) 07.01.21 (33) EP (43) 14.07.2022 (72) KARADUMAN, Ahmet Serhat; GENÇ, Ayse; GÖKTEKIN, Abdulgani; ERKOÇ, Merve (74) Cooper IP Pty Ltd</p>	<p>(71) CAPITAL ONE SERVICES, LLC (11) AU-A-2022212957 (21) 2022212957 (22) 27.01.2022 (54) SYSTEMS AND METHODS FOR NEAR FIELD CONTACTLESS CARD COMMUNICATION AND CRYPTO- GRAPHIC AUTHENTICATION (51) Int. Cl. G06Q 20/34 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01) (87) WO2022/164946 (31) 17/161,424 (32) 28.01.21 (33) US (43) 04.08.2022 (72) RULE, Jeffrey; BHATT, Gaurang; CUAN, Lukith; GUO, Rocky (74) Spruson & Ferguson</p>	<p>(71) CAREFUSION 303, INC. (11) AU-A-2021421149 (21) 2021421149 (22) 10.11.2021 (54) INFUSION PUMP CONTROL UNIT KEYPAD (51) Int. Cl. A61M 5/14 (2006.01) A61M 5/142 (2006.01) A61M 5/168 (2006.01) (87) WO2022/159161 (31) 63/140,137 (32) 21.01.21 (33) US (43) 28.07.2022 (72) DIECKMAN, James; LOZANO, Raphael; TON-THAT, Hao (74) FB Rice Pty Ltd</p>
<p>(71) CANCER ADVANCES INC. (11) AU-A-2022208679 (21) 2022208679 (22) 13.01.2022 (54) COMPOSITIONS AND METHODS FOR PREVENTING TUMORS AND CANCER (51) Int. Cl. A61K 39/00 (2006.01) C07K 16/28 (2006.01)</p>	<p>(71) CAPITAL ONE SERVICES, LLC (11) AU-A-2022212959 (21) 2022212959 (22) 27.01.2022 (54) SYSTEMS AND METHODS FOR AU- THENTICATED PEER-TO-PEER DATA TRANSFER USING RESOURCE LOC- ATORS (51) Int. Cl. H04L 9/40 (2022.01) G06F 21/35 (2013.01) G06Q 20/34 (2012.01) H04L 67/02 (2022.01) H04W 4/80 (2018.01) H04W 12/06 (2021.01) (87) WO2022/164951 (31) 17/162,783 (32) 29.01.21 (33) US (43) 04.08.2022 (72) HART, Colin; BERGERON, George; NEWMAN, Kaitlin; RULE, Jeffrey (74) Spruson & Ferguson</p>	<p>(71) CARL FREUDENBERG KG (11) AU-A-2021436649 (21) 2021436649 (22) 26.03.2021 (54) METHOD FOR ELECTRONICALLY DOCUMENTING A CLEANING PRO- CESS (51) Int. Cl.</p>

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B63C 1/02 (2006.01)
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C07D 401/10 (2006.01)
A61K 31/4439 (2006.01)
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C08L 101/10 (2006.01)
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G06V 10/24 (2022.01)
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A23L 33/10 (2016.01)
A23L 33/195 (2016.01)
A61K 35/741 (2015.01)
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A61K 36/064 (2006.01)
A61K 38/16 (2006.01)
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A61K 48/00 (2006.01)
A61P 35/00 (2006.01)
A61P 35/02 (2006.01)
C12N 1/19 (2006.01)
C12N 1/21 (2006.01)
C12R 1/01 (2006.01)
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B32B 27/30 (2006.01)
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G16H 20/17 (2018.01)
G16H 20/10 (2018.01)
G16H 50/30 (2018.01)
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G16H 50/20 (2018.01)
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 A61K 31/445 (2006.01)
 A23L 33/10 (2016.01)
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 C25B 9/70 (2021.01)
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 H01M 8/04007 (2016.01)
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 A61F 2/24 (2006.01)
 A61B 17/12 (2006.01)
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 F26B 3/04 (2006.01)
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 C07K 16/18 (2006.01)
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 A61B 5/00 (2006.01)
 A61K 31/352 (2006.01)
 G16H 70/40 (2018.01)
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 A01L 1/04 (2006.01)
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 A61K 31/506 (2006.01)
 A61K 31/5383 (2006.01)
 A61K 39/00 (2006.01)
 A61P 35/00 (2006.01)
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 C07D 519/00 (2006.01)
 A61K 31/495 (2006.01)
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 A61K 31/5383 (2006.01)
 A61P 35/00 (2006.01)
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 C12N 15/113 (2010.01)
 A61K 31/713 (2006.01)
 A61K 47/61 (2017.01)
 C07H 21/00 (2006.01)
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 (51) Int. Cl.
 C07H 15/04 (2006.01)
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 A61K 47/54 (2017.01)
 C07D 207/404 (2006.01)
 C07H 15/08 (2006.01)
 C07H 21/00 (2006.01)
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 (54) ELECTRODES FOR ALKALINE IRON
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H01M 4/24 (2006.01)
H01M 4/62 (2006.01)
H01M 10/24 (2006.01)
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A01K 1/01 (2006.01)
A01K 29/00 (2006.01)
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H04N 19/70 (2014.01)
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H04N 19/157 (2014.01)
H04N 19/33 (2014.01)
H04N 19/513 (2014.01)
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 (72) SKUPIN, Robert; BARTNIK, Christi-
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 nelius; BROSS, Benjamin; SCHIERL,
 Thomas; WIEGAND, Thomas; MARPE,
 Detlev
 (74) Griffith Hack

(71) FURUKAWA ELECTRIC CO., LTD.
 (11) AU-A-2022355802
 (21) 2022355802 (22) 30.09.2022
 (54) CABLE-ACCOMMODATING CONTAIN-
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H02G 9/04 (2006.01)
E01C 11/22 (2006.01)
H02G 1/06 (2006.01)
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 (31) 2021-163063 (32) 01.10.21 (33) JP
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 (72) MAENO Koichi; MAKI Takuya
 (74) Pizeys Patent and Trade Mark Attor-
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 (21) 2021396389 (22) 10.12.2021
 (54) METHODS FOR GENERATING HEMA-
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C07K 14/475 (2006.01)
C12N 5/00 (2006.01)
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C07D 209/08 (2006.01)
A61K 31/404 (2006.01)
A61P 35/00 (2006.01)
C07D 209/30 (2006.01)
C07D 209/42 (2006.01)
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 (54) MANIPULATOR AND STORAGE FA-
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 (31) 10 2021 101 200.7 (32) 21.01.21 (33) DE
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 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) TREATMENT OF BREAST CAN-
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 APIES COMPRISING GDC-9545 AND
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A61K 31/437 (2006.01)
A61K 31/4427 (2006.01)
A61K 31/496 (2006.01)
A61P 35/00 (2006.01)
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 (54) METHODS OF TREATING AGE-RELATED MACULAR DISEASES USING AIMP2-DX2 AND OPTIONALLY A TARGET SEQUENCE FOR miR-142 AND COMPOSITIONS THEREOF
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A61K 48/00 (2006.01)
A61P 27/02 (2006.01)
C07K 14/47 (2006.01)
C12N 15/113 (2010.01)
C12N 15/86 (2006.01)
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 (54) SYSTEMS AND METHODS RELATED TO APPLIED ANOMALY DETECTION AND CONTACT CENTER COMPUTING ENVIRONMENTS
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G06F 11/00 (2006.01)
G06F 16/215 (2019.01)
G06F 16/28 (2019.01)
G06N 20/00 (2019.01)
G06Q 10/06 (2023.01)
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A61K 31/437 (2006.01)
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A61P 25/00 (2006.01)
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E01F 7/04 (2006.01)
E02B 3/12 (2006.01)
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G01V 1/36 (2006.01)
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G01V 1/38 (2006.01)
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 (54) MOTION TRACKING USING MAGNETIC-LOCALIZATION INERTIAL MEASUREMENT UNIT AND ORIENTATION COMPENSATION
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A61B 5/103 (2006.01)
G01C 17/38 (2006.01)
G01P 3/44 (2006.01)
G01P 3/50 (2006.01)
G01P 21/00 (2006.01)
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C07K 14/005 (2006.01)
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 (74) Davies Collison Cave Pty Ltd
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- (71) GMM S.P.A.
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 (54) APPARATUS AND METHOD FOR MOVING PAIRS OF WORKPIECES HAVING A ROUGH FACE AND AN OPPOSITE FINISHED FACE
 (51) Int. Cl.
B28D 7/04 (2006.01)
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 (72) MEDINA, Riccardo; GUAZZONI, Simone; COMELLI, Davide
 (74) Origin Patent and Trade Mark Attorneys
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- (71) GREENLIFE TECH CORP.
 (11) AU-A-2022209829
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 (54) FOOD PRESERVATION METHOD
 (51) Int. Cl.
B65D 47/12 (2006.01)
B65D 33/00 (2006.01)
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 (11) AU-A-2021408195
 (21) 2021408195 (22) 21.12.2021
 (54) SALT FORM OF ISOQUINOLINONE TYPE COMPOUND AS ROCK PROTEIN KINASE INHIBITOR AND PREPARATION METHOD THEREFOR
 (51) Int. Cl.
C07D 401/12 (2006.01)
A61K 31/551 (2006.01)
A61P 7/02 (2006.01)
A61P 9/08 (2006.01)
A61P 9/10 (2006.01)
A61P 9/12 (2006.01)

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(74) MINTER ELLISON

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(21) 2021412202 **(22)** 17.12.2021
(54) ANTIBACTERIAL POLYPEPTIDE COMPOUND, MEDICAL INSTRUMENT, HYDROGEL, AND APPLICATION THEREOF
(51) Int. Cl.
C07K 7/06 (2006.01)
A61K 9/06 (2006.01)
A61K 38/08 (2019.01)
A61K 45/06 (2006.01)
A61P 17/02 (2006.01)
A61P 31/04 (2006.01)
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(72) LI, Yue
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(21) 2021415951 **(22)** 17.12.2021
(54) MEDICAL DEVICE, AND HYDROGEL, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF
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A61L 31/16 (2006.01)
A61K 9/06 (2006.01)
A61K 38/08 (2019.01)
A61K 45/06 (2006.01)
A61K 47/42 (2017.01)
A61L 15/32 (2006.01)
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A61L 31/14 (2006.01)
A61P 31/04 (2006.01)
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(71) GUY, I.E.
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(54) SYSTEMS AND METHODS FOR PAYLOAD STABILIZATION
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B64D 47/08 (2006.01)
F16M 11/06 (2006.01)
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(72) GUY, Itay Elishu
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(54) METHOD AND DEVICE FOR MEASURING THE VISUAL FIELD OF A PERSON
(51) Int. Cl.
A61B 3/024 (2006.01)
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(31) 21151704.0 **(32)** 14.01.21 **(33)** EP
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(72) HOFFMANN, Friedrich; MÜLLER, Fabian
(74) SR Intellectual Property

(71) HALLIBURTON ENERGY SERVICES, INC.
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(54) MULTILATERAL JUNCTION INCLUDING ARTICULATING STRUCTURE
(51) Int. Cl.
E21B 41/00 (2006.01)
E21B 21/12 (2006.01)
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(31) 17/239,265 **(32)** 23.04.21 **(33)** US
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(72) STEELE, David Joe
(74) PHILLIPS ORMONDE FITZPATRICK

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(21) 2022263228 **(22)** 04.02.2022
(54) EXTENSIBLE TRANSITION JOINT FOR CONTROL LINE PROTECTION
(51) Int. Cl.
E21B 41/00 (2006.01)
E21B 17/02 (2006.01)
E21B 43/14 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK

(71) HALLIBURTON ENERGY SERVICES, INC.
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(54) METAL-MATRIX DOWNHOLE SAND SCREENS
(51) Int. Cl.
E21B 43/08 (2006.01)
E21B 43/10 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK

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G09F 3/08 (2006.01)
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(74) FB Rice Pty Ltd

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(54) MOBILE NOZZLES AND ASSOCIATED SYSTEMS FOR CLEANING POOLS AND SPAS
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B01D 35/26 (2006.01)
B05B 15/50 (2018.01)
B05B 15/68 (2018.01)
E04H 4/16 (2006.01)
F04D 13/06 (2006.01)
F04D 13/08 (2006.01)
F04D 15/02 (2006.01)
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(43) 21.07.2022
(72) RENKEN, Troy; CONN, Dominic
(74) Davies Collison Cave Pty Ltd

(71) HB INNOVATIONS, INC.
(11) AU-A-2021411388
(21) 2021411388 **(22)** 29.09.2021
(54) GLOBAL MOVEMENT IMAGE STABILIZATION SYSTEMS AND METHODS
(51) Int. Cl.
G06T 7/20 (2017.01)
G06T 7/269 (2017.01)
H04N 5/14 (2006.01)
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(72) PETKOV, George H.; KALITZIN, Stiliyan; FORNELL, Peter
(74) Collison & Co

(71) HEIQ MATERIALS AG
(11) AU-A-2022231372
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(54) ARTIFICIAL SOLID-ELECTROLYTE INTERPHASE LAYER MATERIAL AND USES THEREOF
(51) Int. Cl.
H01M 10/052 (2010.01)
B82Y 40/00 (2011.01)
C01B 32/184 (2017.01)
C23C 16/02 (2006.01)
H01M 4/133 (2010.01)

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H01M 10/054 (2010.01)
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(72) CHOI, Kyoungjun; HEIGHT, Murray J.
(74) Spruson & Ferguson
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- (71)** HELEN OF TROY LIMITED
(11) AU-A-2022223396
(21) 2022223396 **(22)** 10.02.2022
(54) AIR TREATMENT DEVICE WITH SCENTED PAD MECHANISM
(51) Int. Cl.
A61L 9/012 (2006.01)
A61L 9/03 (2006.01)
F24F 6/00 (2006.01)
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(31) 17/179,497 **(32)** 19.02.21 **(33)** US
(43) 25.08.2022
(72) JACKSON, Jeffrey Samuel; MCDERMOTT, Patrick Francis
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- (71)** HEPTARES THERAPEUTICS LIMITED
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(54) H4 ANTAGONIST COMPOUNDS
(51) Int. Cl.
C07D 498/04 (2006.01)
A61K 31/5365 (2006.01)
A61P 17/06 (2006.01)
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(72) BROWN, Giles Albert; CONGREVE, Miles Stuart; TEOBALD, Barry; SWAIN, Nigel Alan; FIELDHOUSE, Charlotte; PICKWORTH, Mark; BAYRAKDARIAN, Malken; KARILA, Delphine; BEAUDION, Daniel
(74) FB Rice Pty Ltd
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(11) AU-A-2021405833
(21) 2021405833 **(22)** 17.12.2021
(54) MICROFLUIDIC METHODS AND SYSTEMS
(51) Int. Cl.
B01L 3/00 (2006.01)
B01L 7/00 (2006.01)
C12N 15/10 (2006.01)
C12Q 1/00 (2006.01)
C12Q 1/6834 (2018.01)
G01N 33/50 (2006.01)
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(31) 20306661.8 **(32)** 22.12.20 **(33)** EP
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(72) ELLOUZE, Sami; SHEN, Bingqing; REITZ, Arnaud; GERARD, Annabelle; SIMUTIS, Karolis; GRIFFITHS, Andrew; REICHEN, Marcel
(74) FB Rice Pty Ltd
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- (71)** HITACHI, LTD.
(11) AU-A-2021427367
(21) 2021427367 **(22)** 19.07.2021
(54) OPERATION ASSISTANCE DEVICE, OPERATION ASSISTANCE METHOD, AND OPERATION ASSISTANCE PROGRAM
(51) Int. Cl.
G05B 13/02 (2006.01)
G05B 23/02 (2006.01)
(87) WO2022/172481
(31) 2021-021720 **(32)** 15.02.21 **(33)** JP
(43) 18.08.2022
(72) SEKIAI Takaaki; ZHENG Yingxian; TAKEUCHI Hiroto
(74) Davies Collison Cave Pty Ltd
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- (71)** HITACHI ZOSEN INOVA AG
(11) AU-A-2022213198
(21) 2022213198 **(22)** 26.01.2022
(54) METHOD OF OPERATING AN ELECTROLYZER SYSTEM AND ELECTROLYZER SYSTEM
(51) Int. Cl.
C25B 1/04 (2021.01)
C25B 9/00 (2021.01)
C25B 15/025 (2021.01)
C25B 15/029 (2021.01)
C25B 15/08 (2006.01)
(87) WO2022/162024
(31) 21154035.6 **(32)** 28.01.21 **(33)** EP
(43) 04.08.2022
(72) DOLL, Michael; HERING, Alfred; HAEGELE, Christian
(74) Fraser Old & Sohn
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- (71)** HITACHI ZOSEN INOVA AG
(11) AU-A-2022226342
(21) 2022226342 **(22)** 17.02.2022
(54) METHOD OF OPERATING AN ELECTROLYZER OF THE CELL-STACK TYPE AND ELECTROLYZER ARRANGEMENT
(51) Int. Cl.
C25B 1/04 (2021.01)
C25B 9/70 (2021.01)
C25B 15/023 (2021.01)
(87) WO2022/179920
(31) 21158756.3 **(32)** 23.02.21 **(33)** EP
(43) 01.09.2022
(72) DOLL, Michael; HERING, Alfred
(74) Fraser Old & Sohn
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(21) 2020480890 **(22)** 09.12.2020
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- (54)** ANTI-OX40L ANTIBODY, ANTI-OX40L/ ANTI-TNF α BISPECIFIC ANTIBODY, AND USES THEREOF
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/00 (2006.01)
A61P 29/00 (2006.01)
A61P 37/00 (2006.01)
C07K 16/24 (2006.01)
G01N 33/563 (2006.01)
G01N 33/564 (2006.01)
(87) WO2022/123293
(43) 16.06.2022
(72) YOO, Jung Min; LEE, Chung Min; LEE, Yoon Jung; KANG, Hyeon Ju; JUNG, Seung Hee; CHOI, Jong Ryoul; CHO, Kyu Eun; HA, Gyong Sik; KIM, Soo Young; PARK, Bum Chan; PARK, Jae Eun; SHIM, Eun Young; LEE, Hyun Mi
(74) FPA Patent Attorneys Pty Ltd
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- (71)** HOFMEIR MAGNETICS LIMITED
(11) AU-A-2022207688
(21) 2022207688 **(22)** 12.01.2022
(54) PULSED ELECTROMAGNETIC FIELD SYSTEM
(51) Int. Cl.
A61N 2/00 (2006.01)
A61N 2/02 (2006.01)
A61N 5/06 (2006.01)
(87) WO2022/153043
(31) 2100369.4 **(32)** 12.01.21 **(33)** GB
(43) 21.07.2022
(72) BEDDARD, Paul
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** HOLLISTER INCORPORATED
(11) AU-A-2022210967
(21) 2022210967 **(22)** 04.01.2022
(54) METHOD OF DETECTING LEAKAGE IN MEDICAL DEVICES
(51) Int. Cl.
A61F 5/445 (2006.01)
(87) WO2022/159264
(31) 63/139,042 **(32)** 19.01.21 **(33)** US
(43) 28.07.2022
(72) LIDDLE, Scott, E.; LATTANZI, Lauren, M.
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** HP1 TECHNOLOGIES LTD
(11) AU-A-2021395410
(21) 2021395410 **(22)** 08.12.2021
(54) A CAP FOR SENSING ONE OR MORE CONDITIONS WITHIN A PIPE
(51) Int. Cl.
F16L 55/115 (2006.01)
F16L 41/00 (2006.01)
F16L 55/11 (2006.01)
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(72) MOOR, Timothy
(74) FB Rice Pty Ltd
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- (71)** HUAWEI TECHNOLOGIES CO.,LTD.
(11) AU-A-2022253085

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(51) Int. Cl.
H04L 5/00 (2006.01)
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(31) 202110375411.9 (32) 07.04.21 (33) CN
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(72) GUO, Yuchen; GAN, Ming; LI, Yunbo
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2021416889
(21) 2021416889 (22) 08.01.2021
(54) SECURITY POLICY PROCESSING METHOD AND COMMUNICATION DEVICE
(51) Int. Cl.
H04W 12/00 (2021.01)
H04W 12/04 (2021.01)
H04W 12/10 (2021.01)
H04W 36/00 (2009.01)
(87) WO2022/147777
(43) 14.07.2022
(72) HU, Li; WU, Rong
(74) Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2021417277
(21) 2021417277 (22) 08.01.2021
(54) KEY IDENTIFIER GENERATION METHOD, AND RELATED APPARATUS
(51) Int. Cl.
H04W 12/06 (2021.01)
H04W 12/02 (2009.01)
(87) WO2022/147804
(43) 14.07.2022
(72) LI, He; WU, Rong; WU, Yizhuang
(74) Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2021417645
(21) 2021417645 (22) 08.01.2021
(54) SECURE COMMUNICATION METHOD AND DEVICE
(51) Int. Cl.
H04W 12/02 (2009.01)
(87) WO2022/147803
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(72) LI, He; WU, Yizhuang; WU, Rong
(74) Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2021417819
(21) 2021417819 (22) 15.12.2021
(54) TIME RESOURCE ALLOCATION METHOD, TIME RESOURCE RECEIVING METHOD, AND RELATED APPARATUS
(51) Int. Cl.
H04W 4/70 (2018.01)
(87) WO2022/148218
(31) 202110008588.5 (32) 05.01.21 (33) CN
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- (43)** 14.07.2022
(72) LI, Yunbo; GUO, Yuchen; HUANG, Guogang; GAN, Ming
(74) Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2021418389
(21) 2021418389 (22) 13.01.2021
(54) COMMUNICATION METHOD AND APPARATUS
(51) Int. Cl.
H04W 24/10 (2009.01)
(87) WO2022/151066
(43) 21.07.2022
(72) HAN, Jing; ZHANG, Li; SHEN, Zhongyi; LI, Hong
(74) Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
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(54) COMMUNICATION METHOD AND COMMUNICATION APPARATUS
(51) Int. Cl.
H04W 72/04 (2023.01)
(87) WO2022/151412
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(72) GENG, Tingting; OLOFSSON, Henrik; ZENG, Yu; WU, Yedan
(74) Halfords IP
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(11) AU-A-2022206514
(21) 2022206514 (22) 07.01.2022
(54) SECURITY POLICY PROCESSING METHOD AND COMMUNICATION DEVICE
(51) Int. Cl.
H04W 12/03 (2021.01)
H04W 12/10 (2021.01)
H04W 12/37 (2021.01)
(87) WO2022/148443
(31) 202110027552.1 (32) 10.01.21 (33) CN
(43) 14.07.2022
(72) HU, Li; WU, Rong
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2022206515
(21) 2022206515 (22) 07.01.2022
(54) INDICATION METHOD AND DETERMINATION METHOD FOR NOMINAL PACKET PADDING VALUE, AND COMMUNICATION APPARATUS
(51) Int. Cl.
H04L 5/00 (2006.01)
H04W 72/04 (2023.01)
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(31) 202110031666.3 (32) 11.01.21 (33) CN
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(72) HU, Mengshi; YU, Jian; LIU, Chenchen; GAN, Ming; CAO, Ju
(74) Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2022208075
(21) 2022208075 (22) 05.01.2022
(54) MANAGEMENT AND CONTROL METHOD FOR DATA ANALYSIS APPARATUS, AND COMMUNICATION APPARATUS
(51) Int. Cl.
G06F 16/30 (2019.01)
H04W 24/02 (2009.01)
(87) WO2022/152027
(31) 202110048787.9 (32) 14.01.21 (33) CN
(43) 21.07.2022
(72) XU, Ruiyue; ZOU, Lan; ZHANG, Kai
(74) Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2022208946
(21) 2022208946 (22) 17.01.2022
(54) METHOD AND SYSTEM FOR PERFORMING BILLING PROCESSING ON MOBILE LOCAL AREA NETWORK SERVICE, AND RELATED DEVICE
(51) Int. Cl.
H04W 4/24 (2018.01)
H04L 12/14 (2006.01)
(87) WO2022/152303
(31) 202110058017.2 (32) 15.01.21 (33) CN
(43) 21.07.2022
(72) CHAI, Xiaoqian
(74) Halfords IP
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- (71)** HUAWEI TECHNOLOGIES CO., LTD.
(11) AU-A-2022215700
(21) 2022215700 (22) 24.01.2022
(54) SERVICE INDICATION METHOD AND APPARATUS
(51) Int. Cl.
H04W 24/10 (2009.01)
(87) WO2022/166668
(31) 202110542644.3 (32) 18.05.21 (33) CN
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(43) 11.08.2022
(72) HUANG, Guogang; LIU, Zhaoxia; GUO, Yuchen; LI, Yunbo; GAN, Ming
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** HUBBELL INCORPORATED
(11) AU-A-2022207414
(21) 2022207414 (22) 12.01.2022
(54) FLAME PROTECTED OPTIC
(51) Int. Cl.
F21V 15/01 (2006.01)
F21S 8/04 (2006.01)
F21V 25/12 (2006.01)
F21Y 115/10 (2016.01)
(87) WO2022/155218
(31) 63/136,367 (32) 12.01.21 (33) US
(43) 21.07.2022
(72) DACHLAN, Ivon; CAMILLO, Paolo
(74) Griffith Hack
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- (71)** HUBBELL INCORPORATED
(11) AU-A-2022207971
(21) 2022207971 (22) 12.01.2022
(54) EXPLOSION PROTECTED LUMINAIRE
(51) Int. Cl.

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F21S 8/04 (2006.01)
F21V 25/12 (2006.01)
F21Y 115/10 (2016.01)
- (87) WO2022/155215
(31) 63/136,362 (32) 12.01.21 (33) US
(43) 21.07.2022
(72) DACHLAN, Ivon; CAMILLO, Paolo
(74) Griffith Hack
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- (71) HYBRIT DEVELOPMENT AB
(11) AU-A-2022210962
(21) 2022210962 (22) 21.01.2022
(54) ARRANGEMENT AND PROCESS FOR CHARGING IRON ORE TO, AND/OR DISCHARGING SPONGE IRON FROM, A DIRECT REDUCTION SHAFT
(51) Int. Cl.
C21B 13/02 (2006.01)
C21B 13/00 (2006.01)
F27B 1/20 (2006.01)
F27B 1/21 (2006.01)
F27D 3/00 (2006.01)
F27D 99/00 (2010.01)
- (87) WO2022/159022
(31) 2150068-1 (32) 22.01.21 (33) SE
(43) 28.07.2022
(72) MOHSENI-MÖRNER, Farzad
(74) Davies Collison Cave Pty Ltd
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- (71) HYDE, B.J.
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(21) 2021397325 (22) 11.12.2021
(54) IRRIGATING INTRALUMINAL SUC-TION INNER CANNULA SYSTEM
(51) Int. Cl.
A61M 1/00 (2006.01)
A61M 16/04 (2006.01)
A61M 25/00 (2006.01)
A61M 25/14 (2006.01)
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(31) 63/124,599 (32) 11.12.20 (33) US
(43) 16.06.2022
(72) HYDE, Blake J.
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) HYZON MOTORS INC.
(11) AU-A-2021413090
(21) 2021413090 (22) 28.12.2021
(54) DRY FUEL CELL ELECTRODES AND METHODS OF MANUFACTURE
(51) Int. Cl.
H01M 8/10 (2016.01)
C08J 5/22 (2006.01)
H01M 4/94 (2006.01)
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(31) 63/131,389 (32) 29.12.20 (33) US
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(72) BASHYAM, Rajesh
(74) KINGS PATENT & TRADE MARKS AT-TORNEYS PTY LTD
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(11) AU-A-2021413758
(21) 2021413758 (22) 28.12.2021
- (54) FUEL CELL CATALYST COATED MEMBRANE AND METHOD OF MAN- UFACTURE
(51) Int. Cl.
H01M 4/88 (2006.01)
H01M 4/90 (2006.01)
H01M 4/92 (2006.01)
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(31) 63/132,773 (32) 31.12.20 (33) US
(43) 07.07.2022
(72) BASHYAM, Rajesh; VENTURINA, Joselito
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(11) AU-A-2022205757
(21) 2022205757 (22) 04.01.2022
(54) DECORATIVE PANEL AND DECORAT- IVE FLOOR COVERING CONSISTING OF SAID PANELS
(51) Int. Cl.
E04F 15/10 (2006.01)
B32B 3/06 (2006.01)
B32B 5/02 (2006.01)
B32B 5/12 (2006.01)
B32B 5/14 (2006.01)
B32B 5/26 (2006.01)
B32B 7/08 (2019.01)
B32B 7/12 (2006.01)
B32B 27/12 (2006.01)
B32B 29/02 (2006.01)
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(72) BOUCKÉ, Eddy Alberic
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) IBRAHIM, A.
(11) AU-A-2021396468
(21) 2021396468 (22) 29.12.2021
(54) BODY SHAPE ENHANCING APPAR- ATUS AND METHOD
(51) Int. Cl.
A63B 71/12 (2006.01)
A41D 1/06 (2006.01)
A41D 13/05 (2006.01)
A61F 13/15 (2006.01)
A61F 13/494 (2006.01)
A61G 99/00 (2006.01)
- (87) WO2022/126035
(31) 17/562,542 (32) 27.12.21 (33) US
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(72) IBRAHIM, Armani
(74) SOUTHERN CROSS INTELLECTUAL PROPERTY PTY LTD
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- (71) IDEMIA IDENTITY & SECURITY FRANCE
(11) AU-A-2022244306
(21) 2022244306 (22) 22.03.2022
- (54) METHOD FOR CHECKING INDIVIDU- ALS WITH SIMPLIFIED AUTHENTICA- TION
(51) Int. Cl.
G06F 21/32 (2013.01)
G06F 21/35 (2013.01)
- (87) WO2022/200730
(31) FR2102940 (32) 24.03.21 (33) FR
(43) 29.09.2022
(72) MERCIER, Laurent; DUVILLE, Pascal; VAN PROOIJEN, Joost; VIELLEPEAU, Joel
(74) FPA Patent Attorneys Pty Ltd
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- (71) IMIDEX, INC.
(11) AU-A-2021396186
(21) 2021396186 (22) 08.12.2021
(54) METHODS OF ASSESSING LUNG DISEASE IN CHEST X-RAYS
(51) Int. Cl.
G06N 3/00 (2023.01)
G06N 3/04 (2023.01)
- (87) WO2022/125640
(31) 63/123,183 (32) 09.12.20 (33) US
(43) 16.06.2022
(72) VLASIMSKY, Richard
(74) Spruson & Ferguson
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- (71) IN8BIO, INC.
(11) AU-A-2022209698
(21) 2022209698 (22) 20.01.2022
(54) MULTIVALENT CHLOROTOXIN CHI- MERIC ANTIGEN RECEPTORS
(51) Int. Cl.
A61K 35/17 (2015.01)
A61K 38/17 (2006.01)
A61K 45/06 (2006.01)
A61P 35/00 (2006.01)
C07K 14/435 (2006.01)
C07K 14/705 (2006.01)
C07K 14/725 (2006.01)
- (87) WO2022/159582
(31) 63/139,709 (32) 20.01.21 (33) US
63/172,247 08.04.21 US
(43) 28.07.2022
(72) DING, Lei; LAMB, Lawrence S., Jr.
(74) RnB IP
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- (71) INFINIUM TECHNOLOGY, LLC
(11) AU-A-2022216184
(21) 2022216184 (22) 25.01.2022
(54) EFFICIENT 2-STEP PROCESS FOR THE DIRECT PRODUCTION OF LI- QUID FUELS FROM CARBON DIOX- IDE AND HYDROGEN
(51) Int. Cl.
C10G 2/00 (2006.01)
C10K 3/04 (2006.01)
C25B 1/04 (2021.01)
- (87) WO2022/169536
(31) 17/300,009 (32) 05.02.21 (33) US
(43) 11.08.2022
(72) SCHUETZLE, Robert; SCHUETZLE, Dennis; HANBURY, Orion
(74) WRAYS PTY LTD

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- (71) INSPHARMTECH INC.; AREZ CO., LTD.
 (11) AU-A-2022207832
 (21) 2022207832 (22) 05.01.2022
 (54) COMPOSITION COMPRISING (7S)-(+)-CYCLOPENTYL CARBAMIC ACID, 8,8-DIMETHYL-2-OXO-6,7-DIHYDRO-2H,8H-PYRANO[3,2-G]CHROMEN-7-YL-ESTER AS ACTIVE INGREDIENT FOR PREVENTION, ALLEVIATION, OR TREATMENT OF EYE DISEASE
 (51) Int. Cl.
 A61K 31/27 (2006.01)
 A23L 33/10 (2016.01)
 A61K 9/00 (2006.01)
 A61K 31/366 (2006.01)
 A61P 27/02 (2006.01)
 (87) WO2022/154356
 (31) 10-2021-0005273 (32) 14.01.21 (33) KR
 (43) 21.07.2022
 (72) OH, Sang Taek
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) INSURANCE SERVICES OFFICE, INC.
 (11) AU-A-2022206663
 (21) 2022206663 (22) 05.01.2022
 (54) COMPUTER VISION SYSTEMS AND METHODS FOR DETERMINING ROOF CONDITIONS FROM IMAGERY USING SEGMENTATION NETWORKS
 (51) Int. Cl.
 G06Q 40/08 (2012.01)
 G06Q 40/00 (2023.01)
 (87) WO2022/150352
 (31) 63/133,863 (32) 05.01.21 (33) US
 (43) 14.07.2022
 (72) LEBARON, Dean; AGUILERA, Jose, David; PORTER, Bryce, Zachary; RIVAS, Francisco
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2022211562
 (21) 2022211562 (22) 20.01.2022
 (54) PYRIDINE DERIVATIVES AS MODULATORS OF SORTILIN ACTIVITY
 (51) Int. Cl.
 C07D 491/052 (2006.01)
 A61K 31/436 (2006.01)
 A61K 31/4375 (2006.01)
 A61K 31/44 (2006.01)
 A61P 3/00 (2006.01)
 A61P 9/00 (2006.01)
 A61P 25/00 (2006.01)
 A61P 35/00 (2006.01)
 C07D 213/75 (2006.01)
 C07D 471/04 (2006.01)
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 (31) 21152638.9 (32) 20.01.21 (33) EP
 (43) 28.07.2022
 (72) LITTLE, Paul Brian; CASES-THOMAS, Manuel Javier; KJØLBY, Mads Fuglsang; NYKJÆR, Anders
 (74) FB Rice Pty Ltd
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- (71) INTERNATIONAL BUSINESS MACHINES CORPORATION
 (11) AU-A-2021419198
 (21) 2021419198 (22) 22.12.2021
 (54) SYNCHRONIZING VIRTUAL REALITY NOTIFICATIONS
 (51) Int. Cl.
 G06F 3/16 (2006.01)
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 (31) 17/149,055 (32) 14.01.21 (33) US
 (43) 21.07.2022
 (72) CASTELLI, Vittorio; RAKSHIT, Sarbajit; FRANZ, Martin
 (74) Spruson & Ferguson
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 (11) AU-A-2022208873
 (21) 2022208873 (22) 11.01.2022
 (54) INFORMATION MATCHING USING SUBGRAPHS
 (51) Int. Cl.
 G06V 30/00 (2022.01)
 (87) WO2022/152103
 (31) 17/148,412 (32) 13.01.21 (33) US
 (43) 21.07.2022
 (72) KHATIBI, Mohammad; FARCHI, Eitan Daniel; OBERHOFER, Martin
 (74) Spruson & Ferguson
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- (71) INTERNATIONAL BUSINESS MACHINES CORPORATION
 (11) AU-A-2022227807
 (21) 2022227807 (22) 18.02.2022
 (54) DECIMAL SCALE AND CONVERT AND SPLIT TO HEXADECIMAL FLOATING POINT INSTRUCTION
 (51) Int. Cl.
 G06F 9/30 (2018.01)
 (87) WO2022/179942
 (31) 17/186,302 (32) 26.02.21 (33) US
 (43) 01.09.2022
 (72) SCHWARZ, Eric; LEBER, Petra; SCHELM, Kerstin; MUELLER, Silvia; COPELAND, Reid; GUO, Xin; LICHTENAU, Cedric
 (74) Spruson & Ferguson
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- (71) INTERNATIONAL BUSINESS MACHINES CORPORATION
 (11) AU-A-2022227808
 (21) 2022227808 (22) 18.02.2022
 (54) VECTOR CONVERT HEXADECIMAL FLOATING POINT TO SCALED DECIMAL INSTRUCTION
 (51) Int. Cl.
 G06F 9/30 (2018.01)
 (87) WO2022/179943
 (31) 17/186,443 (32) 26.02.21 (33) US
 (43) 01.09.2022
 (72) SCHWARZ, Eric; SCHELM, Kerstin; LEBER, Petra; MUELLER, Silvia; COPELAND, Reid; GUO, Xin; LICHTENAU, Cedric
 (74) Spruson & Ferguson
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- (71) INTERNATIONAL BUSINESS MACHINES CORPORATION
 (11) AU-A-2022227809
 (21) 2022227809 (22) 18.02.2022
 (54) VECTOR PACK AND UNPACK INSTRUCTIONS
 (51) Int. Cl.
 G06F 9/30 (2018.01)
 (87) WO2022/179944
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 C07D 519/00 (2006.01)
 A61K 31/437 (2006.01)
 C07D 401/14 (2006.01)
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 B62D 53/08 (2006.01)
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 A61K 31/05 (2006.01)
 A61K 47/10 (2017.01)
 A61K 47/18 (2017.01)
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C07C 2/18 (2006.01)
C07F 9/28 (2006.01)
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H01M 8/0273 (2016.01)
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A61K 39/12 (2006.01)
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A61P 31/18 (2006.01)
C07K 14/005 (2006.01)
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B42F 7/10 (2006.01)
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H02J 7/04 (2006.01)
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H01M 10/48 (2006.01)
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H01M 10/48 (2006.01)
H01M 10/42 (2006.01)
H02J 7/00 (2006.01)
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A61K 31/404 (2006.01)
A61K 31/47 (2006.01)
A61K 36/36 (2006.01)
A61K 45/06 (2006.01)
A61P 15/10 (2006.01)
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G06T 13/40 (2011.01)
G09B 21/00 (2006.01)
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B67D 9/00 (2010.01)
B63B 27/34 (2006.01)
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B67D 9/00 (2010.01)
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F17C 13/08 (2006.01)
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C01B 32/05 (2017.01)
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F16K 27/00 (2006.01)
F16K 5/06 (2006.01)
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F16J 15/10 (2006.01)
F16K 5/06 (2006.01)
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B61L 25/02 (2006.01)
B61L 15/00 (2006.01)
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(54) BRAKE ASSEMBLY
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B60T 1/04 (2006.01)
B60T 17/22 (2006.01)
B61H 1/00 (2006.01)
B61H 13/36 (2006.01)
F16D 66/02 (2006.01)
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B60T 17/22 (2006.01)
B61H 1/00 (2006.01)
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F16D 66/02 (2006.01)
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H04L 67/12 (2022.01)
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(51) Int. Cl.
E01H 3/02 (2006.01)
B05B 12/12 (2006.01)
B60W 40/00 (2006.01)
B60W 40/02 (2006.01)
B60W 60/00 (2020.01)
E21F 5/00 (2006.01)
G05D 1/02 (2020.01)
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G05D 1/02 (2020.01)
G01C 21/34 (2006.01)
G08G 1/01 (2006.01)
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A61B 5/024 (2006.01)
A61B 5/00 (2006.01)
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A01N 63/32 (2020.01)
A01G 7/06 (2006.01)
A01N 43/50 (2006.01)
A01N 63/30 (2020.01)
A01P 21/00 (2006.01)
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F25J 1/00 (2006.01)
F25J 1/02 (2006.01)
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A23L 33/135 (2016.01)
A61K 35/66 (2015.01)
A61K 35/741 (2015.01)
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C07K 16/18 (2006.01)
C07K 16/24 (2006.01)
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(54) TREATMENT OF BRAIN METASTASES AND CNS METASTASES USING ILLUDINS OR HYDROXYLUR-EAMETHYL ACYLFULVENE
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A61P 35/04 (2006.01)
A61K 31/155 (2006.01)
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 (11) AU-A-2021430255
 (21) 2021430255 (22) 24.02.2021
 (54) SIDELINK DISCONTINUOUS RECEPTION CONFIGURATION
 (51) Int. Cl.
 H04W 76/28 (2018.01)
 H04W 76/14 (2018.01)
 (87) WO2022/178713
 (43) 01.09.2022
 (72) LÖHR, Joachim; BASU MALLICK, Prateek; HAN, Jing; KARAMPATIS, Dimitrios; HU, Jie
 (74) FPA Patent Attorneys Pty Ltd

(71) LES LABORATOIRES SERVIER; VERNALIS (R&D) LIMITED
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 (51) Int. Cl.
 C07D 205/04 (2006.01)
 A61K 31/404 (2006.01)
 A61P 35/00 (2006.01)
 C07C 49/697 (2006.01)
 C07C 71/00 (2006.01)
 C07C 229/50 (2006.01)
 C07C 233/52 (2006.01)
 C07C 323/61 (2006.01)
 C07D 213/72 (2006.01)
 C07D 215/233 (2006.01)
 C07D 221/20 (2006.01)
 C07D 401/12 (2006.01)
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 (87) WO2022/152705
 (31) 21305024.8 (32) 12.01.21 (33) EP
 (43) 21.07.2022
 (72) STOKES, Stephen; BEDFORD, Simon; CHEN, I-Jen; DAVIDSON, James Edward Paul; DAVIES, Nicholas; GRAHAM, Christopher John; MCKENNA, Sean Martin; MEISSNER, Johannes W.G.; MURRAY, James; PARSONS, Rachel Jane; RAY, Stuart; SANDERS, Emma; WALMSLEY, Claire Louise; BROUGH, Paul Andrew; KOTSCHY, András; PROSZENYÁK, Ágnes; SINAI, Ádám; BÁLINT, Balázs Károly; CSÉKEI, Márton; ZWILLINGER, Márton; GARAMVÖLGYI, Rita; SIPOS, Szabolcs; KUN, Vilbald; SZABÓ, Zoltán; CHANRION, Maïa; ROCCHETTI, Francesca; COLLAND, Frédéric; MARAGNO, Ana Leticia; BRESSON, Laura
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

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 A45D 44/00 (2006.01)
 G06N 5/04 (2023.01)
 G16H 20/10 (2018.01)
 G16H 50/30 (2018.01)
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 (31) 63/199,628 (32) 13.01.21 (33) US
 (43) 21.07.2022
 (72) LEVIN, Jacqueline M.
 (74) K&L Gates

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 (51) Int. Cl.
 H02J 7/00 (2006.01)
 (87) WO2022/152844
 (31) 10 2021 100 790.9 (32) 15.01.21 (33) DE
 (43) 21.07.2022
 (72) ZELL, Fabian; RIED, Daniel
 (74) Spruson & Ferguson

(71) LIGALLI BV
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 (21) 2022227945 (22) 28.02.2022
 (54) TREATMENT OF OVERACTIVE BLADDER WITH OXYBUTYNIN APPLIED BY MEANS OF A VAGINAL RING
 (51) Int. Cl.
 A61K 31/216 (2006.01)
 A61K 9/00 (2006.01)
 A61P 13/10 (2006.01)
 A61P 15/12 (2006.01)
 (87) WO2022/180274
 (31) 21159807.3 (32) 28.02.21 (33) EP
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 (72) DE LAAT, Wilhelmus Nicolaas Gerardus Maria
 (74) Spruson & Ferguson

(71) LUCOMM TECHNOLOGIES, INC.
 (11) AU-A-2021410088
 (21) 2021410088 (22) 23.12.2021
 (54) FLUX SENSING SYSTEM
 (51) Int. Cl.
 G06F 40/284 (2020.01)
 G06F 40/30 (2020.01)
 G06N 3/04 (2023.01)
 G06N 3/08 (2023.01)
 G06N 5/04 (2023.01)
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 (31) 17/201,458 (32) 15.03.21 (33) US
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 (43) 30.06.2022
 (72) CRISTACHE, Lucian
 (74) AJ PARK

(71) LUIGI LAVAZZA S.P.A.
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 (51) Int. Cl.
 A47J 31/44 (2006.01)
 (87) WO2022/144859
 (31) 10202100000026 (32) 04.01.21 (33) IT
 (43) 07.07.2022
 (72) MOLINARO, Gabriele; PICONE, Gabriele Luciano; KUIPER, Jelmer Jeroen; NIJSEN, Andreas Jacobus Louis; VAN DER KAMP, Hedzer Michiel Adriaan
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) LUIGI LAVAZZA S.P.A.
 (11) AU-A-2022217507
 (21) 2022217507 (22) 25.01.2022
 (54) VENDING MACHINE FOR COFFEE-BASED BEVERAGE
 (51) Int. Cl.
 G07F 13/06 (2006.01)
 A47J 42/54 (2006.01)
 (87) WO2022/167895
 (31) 102021000002150 (32) 02.02.21 (33) IT
 (43) 11.08.2022
 (72) MOLINARO, Gabriele; ROTTA, Denis; SERGIO, Leonardo; DE MANGO, Carlo
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) LUIGI LAVAZZA S.P.A.
 (11) AU-A-2022237969
 (21) 2022237969 (22) 15.02.2022
 (54) CARTRIDGE FOR THE PREPARATION OF LIQUID PRODUCTS
 (51) Int. Cl.
 B32B 27/08 (2006.01)
 B32B 27/36 (2006.01)
 B65D 65/46 (2006.01)
 B65D 85/804 (2006.01)
 (87) WO2022/195367
 (31) 102021000006086 (32) 15.03.21 (33) IT
 (43) 22.09.2022
 (72) BOLOGNESE, Danilo; BRANDONISIO, Chiara; BARUS, Silvia
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) LUIGI LAVAZZA S.P.A.
 (11) AU-A-2022241093
 (21) 2022241093 (22) 21.02.2022
 (54) CAPSULE-HOLDER DEVICE FOR BEVERAGE PREPARATION MACHINES
 (51) Int. Cl.
 A47J 31/06 (2006.01)
 A47J 31/36 (2006.01)
 A47J 31/44 (2006.01)
 (87) WO2022/195376
 (31) 102021000006398 (32) 17.03.21 (33) IT
 (43) 22.09.2022
 (72) COCCO, Alessandro
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) LUPIN LIMITED
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- (51) Int. Cl.
A61K 31/519 (2006.01)
A61K 31/337 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/4545 (2006.01)
A61K 31/47 (2006.01)
A61K 31/4745 (2006.01)
A61K 31/506 (2006.01)
A61K 31/517 (2006.01)
A61K 31/53 (2006.01)
A61K 31/5377 (2006.01)
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- (87) WO2022/157629
(31) 202121002487 (32) 19.01.21 (33) IN
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(21) 2022226655 (22) 24.02.2022
(54) CODON-OPTIMIZED NUCLEOTIDE SEQUENCES ENCODING AN AP-1 TRANSCRIPTION FACTOR
(51) Int. Cl.
C12N 15/867 (2006.01)
- (87) WO2022/182890
(31) 63/153,879 (32) 25.02.21 (33) US
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(43) 01.09.2022
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(74) AJ PARK
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(21) 2022226660 (22) 24.02.2022
(54) METHODS FOR CULTURING CELLS
(51) Int. Cl.
C12N 5/0783 (2010.01)
- (87) WO2022/182915
(31) 63/153,920 (32) 25.02.21 (33) US
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C07K 14/47 (2006.01)
C07K 14/705 (2006.01)
C07K 16/28 (2006.01)
- (87) WO2022/182891
(31) 63/153,878 (32) 25.02.21 (33) US
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(43) 01.09.2022
(72) PARK, Spencer; VONG, Queenie; SATHER, Blythe; RYU, Byoung; LAJOIE, Marc; MOFFETT, Howell; WEITZNER, Brian; SONG, Yun; BOYKEN, Scott; SHARMA, Neeraj; POTLURI, Shobha; BOLDAJIPOUR, Bijan
(74) AJ PARK
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(51) Int. Cl.
F03D 13/10 (2016.01)
F03D 13/40 (2016.01)
- (87) WO2022/144253
(31) 20201444 (32) 30.12.20 (33) NO
(43) 07.07.2022
(72) SADHANA, Prateek
(74) Griffith Hack
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(51) Int. Cl.
C12N 9/78 (2006.01)
C12N 15/10 (2006.01)
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(31) 63/136,524 (32) 12.01.21 (33) US
(43) 21.07.2022
(72) FARZADFARD, Fahim; GHARAEI, Nava; JUNG, Giyoung; LIN, Leanne; KANG, Jeong Seuk
(74) Pearce IP Pty Ltd
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(51) Int. Cl.
G06F 17/00 (2019.01)
G06F 21/55 (2013.01)
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(43) 25.08.2022
(72) SEVASTYANOV, Andrian; GRIMSON, Marc; CHAN, Sik Suen
(74) Davies Collison Cave Pty Ltd
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- (71) MATTUR HOLDINGS, INC.
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(51) Int. Cl.
F16F 15/31 (2006.01)
F03G 3/08 (2006.01)
F16C 32/04 (2006.01)
F16F 15/315 (2006.01)
H02K 7/02 (2006.01)
H02K 7/06 (2006.01)
H02K 7/10 (2006.01)
- (87) WO2022/159279
(31) 63/140,057 (32) 21.01.21 (33) US
(43) 28.07.2022
(72) KESLER, Kris
(74) K&L Gates
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(21) 2022208384 (22) 14.01.2022
(54) TREATING DISEASES AND IMPROVING NUCLEIC ACID DELIVERY
(51) Int. Cl.
C12N 15/86 (2006.01)
A61K 48/00 (2006.01)
A61P 7/04 (2006.01)
A61P 13/12 (2006.01)
A61P 43/00 (2006.01)
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63/221,196 13.07.21 US
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(72) BARRY, Michael A.; CHEN, Christopher Y.; RUBIN, Jeffrey D.; TORRES, Vincente E.
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) MEDIMMUNE LIMITED
(11) AU-A-2021399076
(21) 2021399076 (22) 15.12.2021
(54) POLYPEPTIDES AND USES THEREOF
(51) Int. Cl.
C07K 14/575 (2006.01)
A61P 3/08 (2006.01)
A61P 3/10 (2006.01)
- (87) WO2022/129254
(31) 63/125,996 (32) 16.12.20 (33) US
(43) 23.06.2022
(72) BEDNAREK, Maria Aleksandra; GENAPATHY, Sivaneswary
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) MEDIPOST CO., LTD.
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(21) 2021422314 (22) 29.11.2021
(54) PHARMACEUTICAL COMPOSITION FOR PREVENTION OR TREATMENT OF INFLAMMATORY DISEASE OR PAIN, COMPRISING MESENCHYMAL STEM CELLS EXPRESSING PTX-3, TIMP1 AND BDNF AS ACTIVE INGREDIENT
(51) Int. Cl.

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A61K 38/16 (2006.01)	(43) 04.08.2022			63/231,110	09.08.21	US
A61K 38/18 (2006.01)	(72) DEBENHAM, John, S.; ZHU, Cheng;			(43) 11.08.2022		
A61P 29/00 (2006.01)	ALI, Amjad; SO, Sung-Sau; GAO, Ying-Duo			(72) ZEILINGER, Todd Andrew; SUMMERSETT, Nicole Z.; BRAUN, Christian R.; LOMBARDI, Samuel L.		
C12N 5/0775 (2010.01)	(74) ALLENS PATENT & TRADE MARK ATTORNEYS			(74) Spruson & Ferguson		
(87) WO2022/158698						
(31) 10-2021-0009736	(32) 22.01.21	(33) KR				
(43) 28.07.2022						
(72) YANG, Yoon Sun; OH, Wonil; CHOI, Soo Jin; JIN, Hye Jin; BAE, Yun Kyung; LEE, Minju						
(74) FB Rice Pty Ltd						
(71) MEMORIAL SLOAN KETTERING CANCER CENTER; TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE; DAIICHI SANKYO COMPANY, LIMITED	(71) MESO SCALE TECHNOLOGIES, LLC.			(71) MITSUBISHI ELECTRIC CORPORATION		
(11) AU-A-2022207708	(11) AU-A-2022206320			(11) AU-A-2021428650		
(21) 2022207708	(22) 10.01.2022			(21) 2021428650	(22) 17.02.2021	
(54) ANTIBODY-PYRROLOBENZO-DIAZEPINE DERIVATIVE CONJUGATE	(54) ASSAY SYSTEM CALIBRATION SYSTEMS AND METHODS			(54) ELECTRIC MOTOR DRIVE DEVICE, REFRIGERATION CYCLE DEVICE, AIR CONDITIONER, WATER HEATER, AND REFRIGERATOR		
(51) Int. Cl.	(51) Int. Cl.			(51) Int. Cl.		
A61K 47/68 (2017.01)	G16C 20/70 (2019.01)			H02P 25/18 (2006.01)		
A61P 35/00 (2006.01)	(87) WO2022/150711			(87) WO2022/176078		
C07K 16/28 (2006.01)	(31) 63/135,999	(32) 11.01.21	(33) US	(43) 25.08.2022		
(87) WO2022/153194	(43) 14.07.2022			(72) SHIMADA, Yuhei; HATAKEYAMA, Kazunori		
(31) 63/136,928	(72) JOERN, John; SIGAL, George			(74) Davies Collison Cave Pty Ltd		
(43) 21.07.2022	(74) Spruson & Ferguson					
(72) POIRIER, John T.; RUDIN, Charles; LEWIS, Jason; KHAN, Abdul; ANDREW, David; CHEN, Xinlei; LORENZ, Ivo; MATSUNAGA, Hironori						
(74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd	(71) METALOGENIA RESEARCH & TECHNOLOGIES S.L.			(71) MITSUBISHI ELECTRIC CORPORATION		
	(11) AU-A-2021427762			(11) AU-A-2021428990		
	(21) 2021427762	(22) 05.08.2021		(21) 2021428990	(22) 18.02.2021	
	(54) WEAR ASSEMBLY FOR AN EARTH-MOVING MACHINE AND CORRESPONDING MACHINE			(54) AIR-CONDITIONING DEVICE		
	(51) Int. Cl.			(51) Int. Cl.		
	E02F 9/26 (2006.01)			F24F 11/88 (2018.01)		
	E02F 9/28 (2006.01)			(87) WO2022/176120		
	(87) WO2022/171910			(43) 25.08.2022		
	(31) 21382114.3	(32) 12.02.21	(33) EP	(72) UMEHARA, Shigeo		
	21382164.8	25.02.21	EP	(74) Davies Collison Cave Pty Ltd		
	(43) 18.08.2022					
	(72) VALLVÉ BERTRAN, Nil; FERRÁNDIZ BORRAS, Vicent					
	(74) Halfords IP					
(71) MEMORIAL SLOAN KETTERING CANCER CENTER; TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE; DAIICHI SANKYO COMPANY, LIMITED	(71) MICROSOFT TECHNOLOGY LICENSING LLC			(71) MITSUBISHI ELECTRIC CORPORATION		
(11) AU-A-2022208361	(11) AU-A-2021420569			(11) AU-A-2021429413		
(21) 2022208361	(21) 2021420569	(22) 13.01.2021		(21) 2021429413	(22) 25.02.2021	
(54) ANTI-DLL3 ANTIBODY-DRUG CONJUGATE	(54) METHOD AND APPARATUS FOR MEASURING NON-LOCAL CONDUCTANCE			(54) ELECTRIC MOTOR		
(51) Int. Cl.	(51) Int. Cl.			(51) Int. Cl.		
A61K 47/68 (2017.01)	H01L 23/00 (2006.01)			H02K 15/12 (2006.01)		
A61P 35/00 (2006.01)	(87) WO2022/152373			H02K 1/27 (2022.01)		
C07K 16/28 (2006.01)	(43) 21.07.2022			(87) WO2022/180724		
(87) WO2022/153195	(72) MARTINEZ, Esteban, Adrian; VAITIEKENAS, Saulius; CASPARIS, Lucas; HANSEN, Esben, Bork			(43) 01.09.2022		
(31) 63/136,938	(74) Davies Collison Cave Pty Ltd			(72) TSUCHIDA Kazuchika		
(43) 21.07.2022				(74) Griffith Hack		
(72) POIRIER, John T.; RUDIN, Charles; LEWIS, Jason; KHAN, Abdul; ANDREW, David; CHEN, Xinlei; LORENZ, Ivo; MATSUNAGA, Hironori						
(74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd	(71) MILWAUKEE ELECTRIC TOOL CORPORATION			(71) MITSUBISHI ELECTRIC CORPORATION		
	(11) AU-A-2022215630			(11) AU-A-2021429428		
	(21) 2022215630	(22) 07.02.2022		(21) 2021429428	(22) 26.02.2021	
	(54) HARD HAT FACE SHIELD ATTACHMENT SYSTEM			(54) VOLTAGE MANAGEMENT DEVICE, VOLTAGE COMMAND DEVICE, POWER SYSTEM MONITORING SYSTEM, MEASURING DEVICE, VOLTAGE MANAGEMENT METHOD, AND VOLTAGE MANAGEMENT PROGRAM		
	(51) Int. Cl.			(51) Int. Cl.		
	A42B 3/22 (2006.01)			H02J 13/00 (2006.01)		
	A42B 3/06 (2006.01)			(87) WO2022/180787		
	A42B 3/20 (2006.01)			(43) 01.09.2022		
	(87) WO2022/170192			(72) ITAYA, Nobuhiko		
	(31) 63/146,931	(32) 08.02.21	(33) US	(74) Griffith Hack		
(71) MERCK SHARP & DOHME LLC						
(11) AU-A-2022212785						
(21) 2022212785	(22) 24.01.2022					
(54) FACTOR XIA INHIBITORS						
(51) Int. Cl.						
A61K 31/4427 (2006.01)						
C07D 213/89 (2006.01)						
C07D 401/14 (2006.01)						
C07D 487/08 (2006.01)						
(87) WO2022/164735						

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(11) AU-A-2021429850
(21) 2021429850 (22) 25.02.2021
(54) ELECTRIC MOTOR DRIVE DEVICE AND REFRIGERATION CYCLE APPLICATION DEVICE
(51) Int. Cl.
H02P 25/18 (2006.01)
(87) WO2022/180746
(43) 01.09.2022
(72) SHIMIZU, Koyo; TOYODOME, Shinya
(74) Davies Collison Cave Pty Ltd
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- (71) MITSUBISHI ELECTRIC CORPORATION
(11) AU-A-2021430456
(21) 2021430456 (22) 26.02.2021
(54) COMMAND DEVICE, CHARGE/DISCHARGE CONTROL SYSTEM, POWER CONTROL SYSTEM, CENTRAL COMMAND DEVICE, SETTING VALUE MANAGEMENT DEVICE, STORAGE BATTERY, CHARGE/DISCHARGE CONTROL METHOD, AND PROGRAM
(51) Int. Cl.
H02J 3/38 (2006.01)
H02J 3/00 (2006.01)
H02J 3/24 (2006.01)
H02J 3/32 (2006.01)
H02J 3/46 (2006.01)
H02J 7/35 (2006.01)
H02J 13/00 (2006.01)
(87) WO2022/180799
(43) 01.09.2022
(72) ITAYA, Nobuhiko
(74) Griffith Hack
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(11) AU-A-2021436028
(21) 2021436028 (22) 23.03.2021
(54) INSPECTION WINDOW FOR DRAIN PAN, AND AIR CONDITIONER
(51) Int. Cl.
F24F 13/22 (2006.01)
G02B 5/08 (2006.01)
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(72) OISHI, Keisuke
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(21) 2022243271 (22) 22.03.2022
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(51) Int. Cl.
F02C 9/26 (2006.01)
F01D 15/10 (2006.01)
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(31) 2021-051222 (32) 25.03.21 (33) JP
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F02C 7/042 (2006.01)
F01D 15/10 (2006.01)
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C07D 401/14 (2006.01)
C07D 405/14 (2006.01)
C07D 413/14 (2006.01)
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F02B 47/10 (2006.01)
B60K 15/00 (2006.01)
B60K 15/063 (2006.01)
B60K 15/073 (2006.01)
F02M 25/10 (2006.01)
F02M 26/15 (2016.01)
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C12N 15/62 (2006.01)
A61K 35/12 (2015.01)
A61K 35/15 (2015.01)

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A61P 35/00 (2006.01)
A61P 37/06 (2006.01)
A61P 37/08 (2006.01)
C07K 14/705 (2006.01)
C07K 16/18 (2006.01)
C07K 16/28 (2006.01)
C07K 16/30 (2006.01)
C07K 16/32 (2006.01)
C07K 19/00 (2006.01)
C12N 5/0784 (2010.01)
C12N 5/0786 (2010.01)
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G08B 17/00 (2006.01)
G08C 17/02 (2006.01)
H04B 7/14 (2006.01)
H04W 36/06 (2009.01)
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H05B 6/10 (2006.01)
A24F 40/465 (2020.01)
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A24B 15/12 (2006.01)
A24B 15/16 (2020.01)
A24B 15/167 (2020.01)
A24B 15/30 (2006.01)
A24C 5/01 (2020.01)
A24D 1/20 (2020.01)
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C22B 60/00 (2006.01)
C22B 3/06 (2006.01)
C22B 3/42 (2006.01)
C22B 7/00 (2006.01)
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F16K 31/68 (2006.01)
F01P 7/16 (2006.01)
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C01B 25/222 (2006.01)
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C23C 14/08 (2006.01)
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C12N 15/81 (2006.01)
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C07K 16/24 (2006.01)
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C12N 15/50 (2006.01)
A61K 9/107 (2006.01)
A61K 35/12 (2015.01)
A61K 35/15 (2015.01)
A61K 35/17 (2015.01)
A61K 39/00 (2006.01)
A61K 39/215 (2006.01)
A61K 39/39 (2006.01)
A61K 48/00 (2006.01)
A61P 31/14 (2006.01)
A61P 37/04 (2006.01)
C07K 7/06 (2006.01)
C07K 7/08 (2006.01)
C07K 16/10 (2006.01)
C12N 5/0783 (2010.01)
C12N 5/10 (2006.01)
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C12P 21/08 (2006.01)
C12Q 1/02 (2006.01)
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C07D 409/14 (2006.01)
A61K 31/506 (2006.01)
A61K 31/5383 (2006.01)
A61K 31/551 (2006.01)
A61P 35/00 (2006.01)
C07D 239/48 (2006.01)
C07D 241/36 (2006.01)
C07D 409/12 (2006.01)
C07D 451/02 (2006.01)
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C07D 401/14 (2006.01)
A61K 31/506 (2006.01)
A61K 31/55 (2006.01)
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A61P 19/04 (2006.01)
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A61F 13/515 (2006.01)
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B32B 7/14 (2006.01)
C09J 7/00 (2018.01)
C09J 9/00 (2006.01)
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A61K 38/17 (2006.01)
A61K 35/17 (2015.01)
A61P 35/00 (2006.01)
C07K 14/705 (2006.01)
C07K 16/00 (2006.01)
C07K 16/30 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK

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E04H 12/22 (2006.01)
E02D 27/42 (2006.01)
E04H 12/20 (2006.01)
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A61K 31/496 (2006.01)
A23L 33/10 (2016.01)
A61K 31/352 (2006.01)
A61K 45/06 (2006.01)
A61P 11/00 (2006.01)
A61P 35/00 (2006.01)
A61P 43/00 (2006.01)
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(21) 2021404152 **(22)** 15.12.2021
(54) LIGAND-BINDING POLYPEPTIDES
 AND USES THEREOF
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C07K 14/81 (2006.01)
C12N 15/10 (2006.01)
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 FROM DRUG PRODUCT PACKAGING
 TO FACILITATE VALIDATION OF THE
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(51) Int. Cl.
G06T 7/187 (2017.01)
G06T 5/00 (2006.01)
G06T 7/11 (2017.01)
G06T 7/194 (2017.01)
G06V 20/70 (2022.01)
G16H 10/60 (2018.01)
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G06T 7/11 (2017.01)
G06N 3/02 (2006.01)
G06T 1/00 (2006.01)
G06T 7/187 (2017.01)
G06T 7/194 (2017.01)
G06T 7/90 (2017.01)
G06V 10/10 (2022.01)
G06V 10/20 (2022.01)
G16H 70/40 (2018.01)
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F16L 37/124 (2006.01)
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C23C 8/08 (2006.01)
H01M 4/134 (2010.01)
H01M 4/1395 (2010.01)
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A01C 7/10 (2006.01)
A01B 79/00 (2006.01)
A01C 21/00 (2006.01)
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C07K 7/02 (2006.01)
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G06F 16/93 (2019.01)
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G02B 27/28 (2006.01)
B82Y 10/00 (2011.01)
G02B 6/293 (2006.01)
G06N 10/00 (2022.01)
H04B 10/70 (2013.01)
H04L 9/08 (2006.01)
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C07C 211/22 (2006.01)
C07C 215/08 (2006.01)
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E04H 12/00 (2006.01)
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 (51) Int. Cl.
G06F 1/324 (2019.01)
G06F 1/3212 (2019.01)
G06F 1/3234 (2019.01)
G08B 21/18 (2006.01)
H02H 9/02 (2006.01)
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 (21) 2021420700 (22) 12.01.2021
 (54) UNDERGROUND WORKSITE MODEL GENERATION
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E21F 13/00 (2006.01)
G01C 21/30 (2006.01)
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 (21) 2022224382 (22) 17.02.2022
 (54) SHANK ADAPTER, ROCK DRILLING MACHINE AND METHOD
 (51) Int. Cl.
E21B 1/24 (2006.01)
E21B 1/28 (2006.01)
E21B 6/04 (2006.01)
E21B 7/02 (2006.01)
 (87) WO2022/175374
 (31) 21158232.5 (32) 19.02.21 (33) EP
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 (54) FLUSHING ELEMENT, ROCK DRILLING MACHINE AND METHOD
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E21B 1/24 (2006.01)
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 (54) PHARMACEUTICAL COMPOSITION FOR TOPICAL ADMINISTRATION CONTAINING EPINASTINE OR SALT THEREOF
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A61K 31/551 (2006.01)
A61K 9/06 (2006.01)
A61K 9/107 (2006.01)
A61K 47/06 (2006.01)
A61K 47/10 (2017.01)
A61K 47/12 (2006.01)
A61K 47/14 (2017.01)
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F21S 8/08 (2006.01)
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A61M 25/09 (2006.01)
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 (51) Int. Cl.
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A01K 61/60 (2017.01)
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C07D 403/12 (2006.01)
A61K 31/4184 (2006.01)
A61P 35/00 (2006.01)
C07H 15/203 (2006.01)
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A61P 35/00 (2006.01)
C12N 15/113 (2010.01)
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(DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE)
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C07K 19/00 (2006.01)
C12N 15/62 (2006.01)
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(21) 2022209975 (22) 21.01.2022
(54) AN APPARATUS FOR ACTIVATING A CARTRIDGE COMPRISING A MULTI-COMPONENT MATERIAL AND/OR FOR MIXING BY VIBRATION SAID CARTRIDGE
(51) Int. Cl.
A61C 5/64 (2017.01)
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(31) 21305074.3 (32) 21.01.21 (33) EP
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(72) MARIE, Olivier; CO, Clémence; RICHARD, Gilles; DESCHEPPER, Mickaël
(74) FPA Patent Attorneys Pty Ltd
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(21) 2022210828 (22) 21.01.2022
(54) A DISPENSING GUN FOR DELIVERING A MATERIAL FROM A CARTRIDGE
(51) Int. Cl.
A61C 5/62 (2017.01)
A61C 5/66 (2017.01)
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(31) 21305075.0 (32) 21.01.21 (33) EP
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(51) Int. Cl.
A61C 5/62 (2017.01)
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G01V 1/00 (2006.01)
G01V 1/02 (2006.01)
G01V 1/133 (2006.01)
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(72) CHELMINSKI, Stephen
(74) FPA Patent Attorneys Pty Ltd
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(54) A NICOTINE DELIVERY DEVICE
(51) Int. Cl.
A24B 15/167 (2020.01)
A24F 40/05 (2020.01)
A24F 40/10 (2020.01)
A24F 40/485 (2020.01)
A61M 11/00 (2006.01)
A61M 15/00 (2006.01)
B05B 17/06 (2006.01)
B06B 1/02 (2006.01)
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(21) 2021404157 (22) 15.12.2021
(54) MIST INHALER DEVICES
(51) Int. Cl.
A24B 15/167 (2020.01)
A24F 40/05 (2020.01)
A24F 40/10 (2020.01)
A24F 40/485 (2020.01)
A61M 11/00 (2006.01)
A61M 15/00 (2006.01)
B05B 17/06 (2006.01)
B06B 1/02 (2006.01)
B05B 17/00 (2006.01)
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(54) TROP2 TARGETING ANTI-BODY-DRUG CONJUGATE, AND PREPARATION METHOD AND USE THEREFOR
(51) Int. Cl.
A61K 47/68 (2017.01)
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A61P 35/00 (2006.01)
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- (71) SHANGHAI MICROPORT CARDIOFLOW MEDTECH CO., LTD.
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(54) VALVE DURABILITY TESTING DEVICE
(51) Int. Cl.
A61F 2/24 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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- (71) SHANGHAI SMARTEE DENTI-TECHNOLOGY CO., LTD.
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(21) 2021415204 (22) 16.09.2021
(54) ORTHODONTIC TREATMENT SYSTEM, AND DESIGN METHOD AND PREPARATION METHOD THEREFOR
(51) Int. Cl.
A61C 7/00 (2006.01)
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(54) INDOLE COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF
(51) Int. Cl.

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C07K 16/30 (2006.01)
A61K 39/00 (2006.01)
A61K 39/395 (2006.01)
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A61P 35/00 (2006.01)
C07K 16/46 (2006.01)
C12N 15/13 (2006.01)
C12N 15/62 (2006.01)
C12N 15/64 (2006.01)
C12N 15/85 (2006.01)
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(21) 2021415299 **(22)** 11.11.2021
(54) HIGH PROTEIN GUAR MEAL, OIL AND POLYSACCHARIDE, PLANT BASED PROTEIN POWDER PREPARATION AND METHOD THEREOF
(51) Int. Cl.
A23J 1/14 (2006.01)
A23K 20/147 (2016.01)
A23L 33/185 (2016.01)
A23P 10/40 (2016.01)
(87) WO2022/144916
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(54) METHOD AND CORRESPONDING SYSTEM FOR CONTROLLING SECURE EXECUTION OF OPERATIONS BY INTERCONNECTED DEVICES
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H04L 9/40 (2022.01)
G06F 21/33 (2013.01)
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G05B 19/418 (2006.01)
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(72) DE FEO, Oscar; SIRIGU, Lorenzo
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(54) AN ACRYLIC PRESSURE SENSITIVE ADHESIVE AND USE THEREOF FOR PROVIDING SELF-ADHERING SEALING DEVICES
(51) Int. Cl.
C08F 220/18 (2006.01)
C08F 290/06 (2006.01)
C09J 4/00 (2006.01)
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(72) HAUFE, Markus; GUT, Cyrill; DESMORTREUX, Charlene
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(21) 2022221708 **(22)** 17.02.2022
(54) MOMENT FRAME FOR A SLOPED ROOF CONSTRUCTION
(51) Int. Cl.
E04B 1/24 (2006.01)
E04H 9/02 (2006.01)
E04C 3/11 (2006.01)
E04C 3/32 (2006.01)
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(31) 63/150.460 **(32)** 17.02.21 **(33)** US
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(72) PRYOR, Steven E.
(74) Davies Collison Cave Pty Ltd
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(21) 2021423620 **(22)** 14.04.2021
(54) ANTIVIRAL COMPOSITIONS AND DEVICES AND METHODS OF USE THEREOF
(51) Int. Cl.
A61K 31/52 (2006.01)
A61K 31/70 (2006.01)
A61K 45/00 (2006.01)
A61P 1/16 (2006.01)
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(72) MCENTIRE, Bryan J.; BAL, Bhajanjit Singh; BOCK, Ryan M.
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- (71)** SIRE INDUSTRIES, LLC
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(54) MEDICATION MIXING AND LOADING APPARATUS
(51) Int. Cl.
A61J 1/20 (2006.01)
(87) WO2022/164920
(31) 17/162.531 **(32)** 29.01.21 **(33)** US
(43) 04.08.2022
(72) REFUA, Sina, M.
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** SIXGILL, LLC
(11) AU-A-2021409985
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(54) SYSTEM AND METHOD OF GENERATING BOUNDING POLYGONS
(51) Int. Cl.
G06T 7/11 (2017.01)
G06T 7/73 (2017.01)
G06V 10/25 (2022.01)
G06V 10/44 (2022.01)
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- (71)** SKULLE IMPLANTS OY
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(54) IMPLANT
(51) Int. Cl.
A61F 2/36 (2006.01)
A61B 5/00 (2006.01)
A61F 2/38 (2006.01)
A61F 2/44 (2006.01)
(87) WO2022/195165
(31) 21162550.4 **(32)** 15.03.21 **(33)** EP
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(72) VALLITTU, Pekka
(74) Collison & Co
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- (71)** SLEAKTEK LIMITED
(11) AU-A-2021408802
(21) 2021408802 **(22)** 23.12.2021
(54) FORMULATIONS, BIODEGRADABLE MEMBRANES, PRODUCTS INCLUDING BIODEGRADABLE MEMBRANES, AND METHODS OF MANUFACTURE
(51) Int. Cl.
A61F 13/15 (2006.01)
A61L 15/42 (2006.01)
(87) WO2022/139598
(31) 771399 **(32)** 23.12.20 **(33)** NZ
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(72) LAWRENCE, Robert Thorne; LAWRENCE, Joy Chiung-Yi Tseng
(74) James & Wells Intellectual Property
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- (71)** SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHOPAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED
(11) AU-A-2022218693
(21) 2022218693 **(22)** 09.02.2022

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A61B 17/17 (2006.01)
A61B 17/80 (2006.01)
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 (31) 63/148,492 (32) 11.02.21 (33) US
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 (72) LOUIE, Stephen; RITCHEY, Nicholas S.; GRUSIN, Nathaniel Kelley; STRACHAN, Sandy Todd; RICCI, William M.
 (74) Davies Collison Cave Pty Ltd
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- (71) SNBC INC.
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E01C 9/08 (2006.01)
E01C 9/10 (2006.01)
E01C 11/00 (2006.01)
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A61F 13/49 (2006.01)
A61F 13/505 (2006.01)
A61F 13/56 (2006.01)
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 (51) Int. Cl.
C01D 15/02 (2006.01)
C01D 1/20 (2006.01)
C01D 1/30 (2006.01)
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A23L 33/00 (2016.01)
A61K 31/05 (2006.01)
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A61K 31/351 (2006.01)
A61K 31/4415 (2006.01)
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A61P 3/04 (2006.01)
A61P 3/06 (2006.01)
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A61P 35/00 (2006.01)
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D21H 17/37 (2006.01)
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G06F 16/25 (2019.01)
G06N 20/00 (2019.01)
G06Q 10/00 (2023.01)
G06Q 10/08 (2023.01)
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G01N 27/62 (2021.01)
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A23L 27/00 (2016.01)
A23F 3/16 (2006.01)
A23L 2/00 (2006.01)
A23L 2/02 (2006.01)
A23L 2/52 (2006.01)
A23L 2/60 (2006.01)
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A23L 27/00 (2016.01)
A23L 2/60 (2006.01)
A61K 47/24 (2006.01)
A61K 47/26 (2006.01)
A61K 47/28 (2006.01)
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A23L 2/00 (2006.01)
A23L 2/02 (2006.01)
A23L 2/52 (2006.01)
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A61K 47/02 (2006.01)
A61K 47/24 (2006.01)
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A01H 4/00 (2006.01)
A01C 1/02 (2006.01)
A01C 1/04 (2006.01)
C12N 5/04 (2006.01)
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C12M 3/00 (2006.01)
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C12M 3/06 (2006.01)
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 (54) COMPOSITIONS OF GUANYLYL CYCLASE C (GCC) ANTIGEN BINDING AGENTS AND METHODS OF USE THEREOF
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 A61K 35/17 (2015.01)
 A61K 39/00 (2006.01)
 A61P 35/00 (2006.01)
 C07K 14/725 (2006.01)
 C07K 16/40 (2006.01)
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 (51) Int. Cl.
 C07K 16/18 (2006.01)
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 G06N 20/00 (2019.01)
 G08C 17/02 (2006.01)
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 A45C 5/14 (2006.01)
 A45C 7/00 (2006.01)
 B62B 5/08 (2006.01)
 B62B 7/06 (2006.01)
 B62B 7/12 (2006.01)
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 G01S 17/34 (2020.01)
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 G06F 21/35 (2013.01)
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A61F 9/08 (2006.01)
A61N 1/05 (2006.01)
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C08G 61/02 (2006.01)
C08J 9/00 (2006.01)
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C12N 15/85 (2006.01)
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C09K 5/04 (2006.01)
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C01B 3/24 (2006.01)
B01J 19/00 (2006.01)
C01B 32/05 (2017.01)
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A61P 31/12 (2006.01)
C07K 14/045 (2006.01)
C07K 16/28 (2006.01)
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A61K 8/22 (2006.01)
A61K 8/24 (2006.01)
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A61Q 11/00 (2006.01)
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A61K 8/22 (2006.01)
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A61K 8/06 (2006.01)
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A61K 8/22 (2006.01)
A61K 8/25 (2006.01)
A61K 8/26 (2006.01)
A61K 8/27 (2006.01)
A61K 8/31 (2006.01)
A61K 8/44 (2006.01)
A61K 8/46 (2006.01)
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A61Q 11/00 (2006.01)
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A61P 1/00 (2006.01)
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- (51) Int. Cl.
C07D 207/16 (2006.01)
A61K 31/401 (2006.01)
A61P 11/00 (2006.01)
C07D 487/04 (2006.01)
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B22F 1/054 (2022.01)
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A61P 35/00 (2006.01)
C12N 15/113 (2010.01)
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C07K 16/10 (2006.01)
A61K 39/42 (2006.01)
A61P 31/14 (2006.01)
C12N 15/13 (2006.01)
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C12N 15/113 (2010.01)
C07K 1/00 (2006.01)
C12N 15/67 (2006.01)
C12P 21/00 (2006.01)
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C07D 249/18 (2006.01)
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C07D 401/04 (2006.01)
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A61K 47/12 (2006.01)
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A01N 43/40 (2006.01)
A01N 25/02 (2006.01)
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F16B 5/00 (2006.01)
F16B 12/26 (2006.01)
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C10M 107/04 (2006.01)
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C10M 129/68 (2006.01)
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A24B 15/167 (2020.01)
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(54) SLIDING PANEL SYSTEM
(51) Int. Cl.
E04B 2/82 (2006.01)
E05D 15/58 (2006.01)
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A61F 2/07 (2013.01)
A61F 2/06 (2013.01)
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(72) MCCULLOCH, William
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(54) BEVERAGE DISPENSING PREVENTION
(51) Int. Cl.

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LISS, Mattias; STENERHAG, Ulf
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SAFETY DEVICES AND RELATED
SYSTEMS AND METHODS
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G08B 25/01 (2006.01)
A61B 5/24 (2021.01)
G08B 21/02 (2006.01)
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PORATION
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FUNGAL, ANTIPARASITIC, AND ANTI-
CANCER ACTIVITY
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A61K 31/437 (2006.01)
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ATUS
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F42B 33/04 (2006.01)
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(31) 2021900402 (32) 17.02.21 (33) AU
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(72) WHITEHEAD, Kevin Gerald
(74) Patenteur Pty Ltd
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B26B 21/52 (2006.01)
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Benjamin Jerry
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LOGY RESEARCH & DEVELOPMENT
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(54) STRUCTURED EMULSION
(51) Int. Cl.
A23C 9/152 (2006.01)
A23C 9/156 (2006.01)
A23C 9/158 (2006.01)
A23C 9/16 (2006.01)
A23K 10/00 (2016.01)
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F21S 9/03 (2006.01)
F21S 8/08 (2006.01)
H01M 50/207 (2021.01)
H01M 50/209 (2021.01)
H01M 50/24 (2021.01)
- (87) WO2022/133534
(31) 2020104309 (32) 24.12.20 (33) AU
(43) 30.06.2022
(72) LEISHMAN, Scott Graham
(74) Pizzey's Patent and Trade Mark Attor-
neys Pty Ltd
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- (71) WUHAN VAST CONDUCT SCIENCE
FOUNDATION CO., LTD.
(11) AU-A-2021436167
(21) 2021436167 (22) 23.03.2021
(54) LIGAND-BOUND ZINC SULFIDE NAN-
OPARTICLES, METHODS FOR MAK-
ING THE SAME, AND THEIR USE
FOR TREATMENT
(51) Int. Cl.
A61K 33/30 (2006.01)
A61K 47/54 (2017.01)
- (87) WO2022/139595
(31) 2020904805 (32) 23.12.20 (33) AU
(43) 30.06.2022
(72) CHEAH, Soon-Ee; RUSU, Delia;
JEUNE, Hayden; DRIDAN, Rebecca;
THURIER, Quentin-Gabriel; QIN, Fu-
biao; PECHAN, Niklas Patrick
(74) FB Rice Pty Ltd
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- (71) XINJIANG GOLDWIND SCIENCE &
TECHNOLOGY CO., LTD.
(11) AU-A-2021394197
- A61P 9/10** (2006.01)
A61P 21/00 (2006.01)
A61P 25/28 (2006.01)
A61P 27/06 (2006.01)
A61P 29/00 (2006.01)
A61P 43/00 (2006.01)
B82Y 5/00 (2011.01)
B82Y 40/00 (2011.01)
- (87) WO2022/198438
(43) 29.09.2022
(72) SUN, Taolei; GAO, Guanbin; YU, Meng
(74) Madderns Pty Ltd
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- (71) XERO LIMITED
(11) AU-A-2021395085
(21) 2021395085 (22) 20.08.2021
(54) SYSTEMS AND METHODS FOR IM-
PROVED TRANSACTION RECONCILI-
ATION
(51) Int. Cl.
G06N 3/02 (2006.01)
G06F 16/35 (2019.01)
G06N 20/00 (2019.01)
G06Q 40/02 (2023.01)
- (87) WO2022/124913
(31) 2020904606 (32) 10.12.20 (33) AU
(43) 16.06.2022
(72) MCCORMICK, Craig; RADA VILELA,
Juan Carlos; OLD, Anastasia Nadine;
ZHANG, Qiuying; ROACHE, Stanley;
MCNAB, Rodger
(74) FB Rice Pty Ltd
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- (71) XERO LIMITED
(11) AU-A-2021400853
(21) 2021400853 (22) 25.08.2021
(54) SYSTEMS AND METHODS FOR
MATCHING ENTITIES
(51) Int. Cl.
G06Q 30/00 (2023.01)
- (87) WO2022/131932
(31) 2020904715 (32) 17.12.20 (33) AU
(43) 23.06.2022
(72) BUCHANAN, Duncan; ZHANG, Han;
NAGARAJAPPA, Shreyas; MIN, Rui;
LESTER, William; MANOCHA, Mehika
(74) FB Rice Pty Ltd
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- (71) XERO LIMITED
(11) AU-A-2021409859
(21) 2021409859 (22) 25.08.2021
(54) TRANSACTION DATA PROCESSING
SYSTEMS AND METHODS
(51) Int. Cl.
G06E 1/00 (2006.01)
- (87) WO2022/139595
(31) 2020904805 (32) 23.12.20 (33) AU
(43) 30.06.2022
(72) CHEAH, Soon-Ee; RUSU, Delia;
JEUNE, Hayden; DRIDAN, Rebecca;
THURIER, Quentin-Gabriel; QIN, Fu-
biao; PECHAN, Niklas Patrick
(74) FB Rice Pty Ltd

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(21) 2021394197 (22) 24.09.2021
 (54) CONTROL SYSTEM, REACTIVE VOLTAGE CONTROL METHOD AND DEVICE, MEDIUM, AND CALCULATION DEVICE
 (51) Int. Cl.
H02J 3/38 (2006.01)
H02J 3/16 (2006.01)
 (87) WO2022/121446
 (31) 202011447722.3 (32) 09.12.20 (33) CN
 (43) 16.06.2022
 (72) YU, Lianfu; QIAO, Yuan; LIU, Yanlu
 (74) Madderns Pty Ltd

(71) XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
 (11) AU-A-2021404446
 (21) 2021404446 (22) 27.09.2021
 (54) WIND GENERATOR SET, CONVERTER, AND LOW-VOLTAGE RIDE-THROUGH DETECTION METHOD AND DEVICE
 (51) Int. Cl.
G01R 31/00 (2006.01)
G01R 31/08 (2020.01)
G01R 31/34 (2020.01)
H02J 3/12 (2006.01)
H02J 3/38 (2006.01)
 (87) WO2022/127270
 (31) 202011479355.5 (32) 15.12.20 (33) CN
 (43) 23.06.2022
 (72) WU, Lei
 (74) Madderns Pty Ltd

(71) XUZHOU HEAVY MACHINERY CO., LTD.
 (11) AU-A-2022226205
 (21) 2022226205 (22) 23.02.2022
 (54) JIB, CRANE, JIB UNFOLDING METHOD, AND JIB RETRACTION METHOD
 (51) Int. Cl.
B66C 23/68 (2006.01)
B66C 13/50 (2006.01)
B66C 23/62 (2006.01)
 (87) WO2022/179512
 (31) 202120395086.8 (32) 23.02.21 (33) CN
 202110475361.1 29.04.21 CN
 (43) 01.09.2022
 (72) MA, Shanhua; ZHANG, Yanwei; ZHU, Wei; LI, Wei
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ZAMBON S.P.A.
 (11) AU-A-2021394072
 (21) 2021394072 (22) 10.12.2021
 (54) INHALABLE POWDER COMPRISING VORICONAZOLE IN CRYSTALLINE FORM
 (51) Int. Cl.
A61K 9/00 (2006.01)
A61K 9/16 (2006.01)
A61K 47/18 (2017.01)
 (87) WO2022/123029
 (31) 102020000030443 (32) 10.12.20 (33) IT
 (43) 16.06.2022
 (72) ZANELLOTTI, Laura; MAGGI, Loretta; FAIELLA, Gianluigi; MAGI, Na-

dia; NICOSIA, Valentina; CASTEGINI, Franco; CAPONETTI, Giovanni
 (74) Griffith Hack

(71) ZEBRA TECHNOLOGIES CORPORATION
 (11) AU-A-2022225102
 (21) 2022225102 (22) 18.01.2022
 (54) SYSTEMS AND METHODS FOR ALERTING USERS TO DEVICE LOW BATTERY STATES
 (51) Int. Cl.
G08B 21/18 (2006.01)
 (87) WO2022/182442
 (31) 17/184,724 (32) 25.02.21 (33) US
 (43) 01.09.2022
 (72) WRIGHT, Mariya; EVANS, John P.
 (74) Spruson & Ferguson

(71) ZEBRA TECHNOLOGIES CORPORATION
 (11) AU-A-2022232267
 (21) 2022232267 (22) 19.01.2022
 (54) METHOD FOR SCANNING MULTIPLE ITEMS IN A SINGLE SWIPE
 (51) Int. Cl.
G06K 7/10 (2006.01)
G06K 7/14 (2006.01)
 (87) WO2022/191925
 (31) 17/197,948 (32) 10.03.21 (33) US
 (43) 15.09.2022
 (72) BRITTS, John; PANG, Robert James; KISHORBHAI SANCHANIYA, Pragnesh; WILFRED, Sajan
 (74) Spruson & Ferguson

(71) ZHEN'S CORPORATION
 (11) AU-A-2021407402
 (21) 2021407402 (22) 10.06.2021
 (54) RETAINING-WALL PANEL SYSTEM AND FLEXIBLE REINFORCEMENT MECHANICAL CONNECTION METHOD THEREFOR
 (51) Int. Cl.
E02D 29/02 (2006.01)
 (87) WO2022/133575
 (31) 63/129,519 (32) 22.12.20 (33) US
 63/155,934 03.03.21 US
 (43) 30.06.2022
 (72) ZHEN, Hardwin Zhanhong
 (74) FB Rice Pty Ltd

(71) ZTE CORPORATION
 (11) AU-A-2020483138
 (21) 2020483138 (22) 24.12.2020
 (54) SYSTEMS AND METHODS FOR INITIALIZING HARQ-ACK PROCEDURE BY A SPECIFIC DCI FOR BEAM INDICATION
 (51) Int. Cl.
H04W 16/28 (2009.01)
 (87) WO2022/133927
 (43) 30.06.2022
 (72) GAO, Bo; LU, Zhaohua; YAO, Ke; JIANG, Chuangxin; ZHANG, Shujuan
 (74) Spruson & Ferguson

(71) ZTE CORPORATION
 (11) AU-A-2021420292
 (21) 2021420292 (22) 14.01.2021
 (54) METHOD AND APPARATUS FOR SURVIVAL TIME AND COMMUNICATION SERVICE AVAILABILITY
 (51) Int. Cl.
H04L 1/08 (2006.01)
 (87) WO2022/151195
 (43) 21.07.2022
 (72) TAN, Jie; SHA, Xiubin; DAI, Bo; LU, Ting
 (74) Spruson & Ferguson

Numerical Index

2020480538	HANSHOW TECHNOLOGY CO., LTD.	2021399147	AC IMMUNE SA
2020480841	APERTURE IN MOTION, LLC	2021399151	ASTRAZENECA AB
2020480890	HK INNO.N CORPORATION; Y-BIOLOGICS INC.; IM-BIOLOGICS CORP.	2021399453	TRINOMAB BIOTECH CO., LTD.
2020482223	SHANGHAI FUDAN-ZHANGJIANG BIO-PHARMA-CEUTICAL CO., LTD.	2021399702	ASSA ABLOY AB
2020482689	KONE CORPORATION	2021399704	ASSA ABLOY AB
2020483138	ZTE CORPORATION	2021399753	J.SCHMALZ GMBH
2020483451	KIMBERLY-CLARK WORLDWIDE, INC.	2021400576	BRADER, E.W.
2020484053	ABB SCHWEIZ AG	2021400598	BELTRAN, J.L.
2021354969	GENEROATH CO., LTD.	2021400853	XERO LIMITED
2021392319	RIZK, F.A.; RIZK, A.	2021400934	FISHER & PAYKEL HEALTHCARE LIMITED
2021393512	WEARABLE TECHNOLOGIES INC.	2021401369	GENODIVE PHARMA INC.
2021394046	ONTEX BV; ONTEX GROUP NV	2021401628	SEASUN THERAPEUTICS
2021394072	ZAMBON S.P.A.	2021401910	SOMEONE IS ME, LLC
2021394119	CROWDCLIP IP PTY LTD	2021402100	ORION CORPORATION
2021394197	XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.	2021402528	CHIESI FARMACEUTICI S.P.A.
2021394613	KNORR-BREMSE SYSTEME FÜR SCHIENEN-FAHRZEUGE GMBH	2021403127	EQALIS GROUP NEW ZEALAND LIMITED
2021395085	XERO LIMITED	2021403183	SCORED TECHNOLOGIES INC.
2021395250	KNORR-BREMSE SYSTEME FÜR SCHIENEN-FAHRZEUGE GMBH	2021403382	TOKAMAK ENERGY LTD
2021395262	KNORR-BREMSE SYSTEME FÜR SCHIENEN-FAHRZEUGE GMBH	2021403444	SICPA HOLDING SA
2021395264	KNORR-BREMSE SYSTEME FÜR SCHIENEN-FAHRZEUGE GMBH	2021403631	CHIESI FARMACEUTICI S.P.A.
2021395354	PPG ADVANCED SURFACE TECHNOLOGIES, LLC	2021403827	ASTRAZENECA AB
2021395410	HP1 TECHNOLOGIES LTD	2021403833	MOLECULAR PARTNERS AG
2021395472	APPY RISK TECHNOLOGIES LIMITED	2021404140	HEPTARES THERAPEUTICS LIMITED
2021395479	CATSALYZE	2021404152	OXFORD UNIVERSITY INNOVATION LIMITED
2021395700	BOYLE, N.	2021404156	SHAHEEN INNOVATIONS HOLDING LIMITED
2021395701	WILLIS TRIBE PTY LTD	2021404157	SHAHEEN INNOVATIONS HOLDING LIMITED
2021395736	BIONTECH SE	2021404446	XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
2021395878	KONINKLIJKE PHILIPS N.V.	2021404495	ASTRAZENECA AB
2021396166	ADAPTIVENDO LLC	2021404789	COMMBIO THERAPEUTICS CO., LTD.
2021396186	IMIDEX, INC.	2021404942	FLSMIDTH A/S
2021396262	WELLSTAT THERAPEUTICS CORPORATION	2021405096	DELICA AG
2021396389	GARUDA THERAPEUTICS, INC.	2021405548	GUY, I.E.
2021396395	ERASCA, INC.	2021405750	WAYOUT INTERNATIONAL AB
2021396397	ERASCA, INC.	2021405752	NICOVENTURES TRADING LIMITED
2021396468	IBRAHIM, A.	2021405833	HIFIBIO SAS
2021396550	BAMBINO PREZIOSO SWITZERLAND AG	2021406132	ALCON INC.
2021396589	APPY RISK TECHNOLOGIES LIMITED	2021407402	ZHEN'S CORPORATION
2021397206	SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE)	2021407530	WOM-BATT PTY LTD
2021397216	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS	2021408143	PREVECEUTICAL MEDICAL INC.
2021397239	PYLES, S.T.	2021408195	GUANGZHOU OCUSUN OPHTHALMIC BIOTECHNOLOGY CO., LTD.; OCUSUN OPHTHALMIC PHARMACEUTICAL (GUANGZHOU) CO., LTD.
2021397261	PORTAL ACCESS, INC.	2021408802	SLEAKTEK LIMITED
2021397319	ERASCA, INC.	2021408983	KAWASAKI JUKOGYO KABUSHIKI KAISHA
2021397325	HYDE, B.J.	2021409394	CORNELL UNIVERSITY; TU THERAPEUTICS INC.
2021397401	APPY RISK TECHNOLOGIES LIMITED	2021409640	ISOSCELES PHARMACEUTICALS, INC.
2021397404	TAKEDA PHARMACEUTICAL COMPANY LIMITED; CRESCENDO BIOLOGICS LTD	2021409721	DEXCOM, INC.
2021397601	TOSHO, INC.	2021409790	GENESYS CLOUD SERVICES HOLDINGS II, LLC
2021397812	PETRÓLEO BRASILEIRO S.A. - PETROBRAS	2021409812	KANNA HEALTH LTD.
2021397815	B-TEMIA INC.	2021409859	XERO LIMITED
2021397821	TECHNOLOGIES NECTAR INC.	2021409979	BAKER HUGHES OILFIELD OPERATIONS LLC
2021397881	TAKEDA PHARMACEUTICAL COMPANY LIMITED	2021409985	SIXGILL, LLC
2021397991	BEIJING ROBOROCK TECHNOLOGY CO., LTD.	2021410067	BAKER HUGHES OILFIELD OPERATIONS LLC
2021398051	GENZYME CORPORATION	2021410088	LUCOMM TECHNOLOGIES, INC.
2021398452	ELIA, C.	2021410094	DEXCOM, INC.
2021398517	OCP SA	2021410145	SANTEN PHARMACEUTICAL CO., LTD.
2021398838	ROBERT BOSCH GMBH	2021410535	EQUINOR ENERGY AS
2021398897	ALFA LAVAL CORPORATE AB	2021410790	KINTRAFIBERS, INC.
2021398983	THALES	2021410801	COHERE TECHNOLOGIES, INC.
2021399076	MEDIMMUNE LIMITED	2021410898	KAWASAKI JUKOGYO KABUSHIKI KAISHA
		2021411139	SUNTORY HOLDINGS LIMITED
		2021411388	HB INNOVATIONS, INC.
		2021411576	AVENT, INC.
		2021411718	AUTOFUEL APS
		2021411869	KITZ CORPORATION
		2021411870	KITZ CORPORATION
		2021411874	SUNTORY HOLDINGS LIMITED

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2021411975	DEXCOM, INC.	2021420723	SCHLUMBERGER TECHNOLOGY B.V.
2021412202	GUANGZHOU TOWE BIOTECH CO., LTD.	2021421149	CAREFUSION 303, INC.
2021412309	MACGREGOR NORWAY AS	2021421301	SNBC INC.
2021412681	SUNTORY HOLDINGS LIMITED	2021421464	KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION
2021412836	CATERPILLAR GLOBAL MINING LLC	2021421565	SCIENTIA VASCULAR, INC.
2021413090	HYZON MOTORS INC.	2021421987	BECTON, DICKINSON AND COMPANY
2021413096	ABIOMED, INC.	2021422314	MEDIPOST CO., LTD.
2021413113	AVENT, INC.	2021422540	KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION
2021413213	EQUINOVIUM LLC	2021422678	NIPPON THERMOSTAT CO., LTD.
2021413598	CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.	2021423178	DR.NOAH BIOTECH INC.
2021413758	HYZON MOTORS INC.	2021423209	MUÑOZ SAIZ, M.
2021413862	TRANSCODE THERAPEUTICS, INC.	2021423620	SINTX TECHNOLOGIES, INC.
2021413865	AVENT, INC.	2021423963	NIPPON THERMOSTAT CO., LTD.
2021414174	WILMAR (SHANGHAI) BIOTECHNOLOGY RESEARCH & DEVELOPMENT CENTER CO., LTD	2021424131	PRIOTHERA SAS; PRIOTHERA LIMITED
2021414296	BELGIAN VOLITION SRL	2021425047	W. L. GORE & ASSOCIATES, INC.
2021414421	BELGO BEKAERT ARAMES LTDA; NV BEKAERT SA	2021425422	JEONG, D.C.
2021414736	KAWASAKI JUKOGYO KABUSHIKI KAISHA	2021426276	BARD PERIPHERAL VASCULAR, INC.
2021415204	SHANGHAI SMARTEE DENTI-TECHNOLOGY CO., LTD.	2021427326	SOLYSTIC
2021415299	SHREE RAM INDIA GUMS PVT.LTD.	2021427367	HITACHI, LTD.
2021415578	SUNTORY HOLDINGS LIMITED	2021427532	TEKION CORP
2021415633	CATERPILLAR GLOBAL MINING LLC	2021427762	METALOGENIA RESEARCH & TECHNOLOGIES S.L.
2021415943	BEIJING TENSAM HIGH-TECH WIND POWER TECHNOLOGY CO., LTD.	2021428277	DURACELL U.S. OPERATIONS, INC.
2021415951	GUANGZHOU TOWE BIOTECH CO., LTD.	2021428650	mitsubishi electric corporation
2021416031	CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	2021428990	mitsubishi electric corporation
2021416533	VANTAGE SANTOLUBES RESEARCH LLC	2021429297	KOMATSU LTD.
2021416534	PRECISION AI PTY LTD	2021429413	mitsubishi electric corporation
2021416723	LACTOBIO A/S	2021429428	mitsubishi electric corporation
2021416759	KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION	2021429850	mitsubishi electric corporation
2021416786	KOMATSU LTD.	2021430255	LENOVO (BEIJING) LIMITED
2021416836	CLJI WORLDWIDE, LLC	2021430456	mitsubishi electric corporation
2021416889	HUAWEI TECHNOLOGIES CO., LTD.	2021431663	PRECISION PLANTING LLC
2021417032	LACTOBIO A/S	2021435599	SHANGHAI MICROPORT CARDIOFLOW MEDTECH CO., LTD.
2021417180	SAMSUNG ELECTRONICS CO., LTD.	2021436028	mitsubishi electric corporation
2021417194	SARDOCOR CORP.	2021436167	WUHAN VAST CONDUCT SCIENCE FOUNDATION CO., LTD.
2021417213	APPLIED RESEARCH ASSOCIATES, INC.	2021436649	CARL FREUDENBERG KG
2021417277	HUAWEI TECHNOLOGIES CO., LTD.	2021441986	HALLIBURTON ENERGY SERVICES, INC.
2021417645	HUAWEI TECHNOLOGIES CO., LTD.	2022204289	RIP CURRENT SPORTS, LLC
2021417720	VÄLINGE INNOVATION AB	2022204290	AKSEERA PHARMA CORP.; MERCHANT, S.; PATEL, M.
2021417819	HUAWEI TECHNOLOGIES CO., LTD.	2022205045	GEORGIA TECH RESEARCH CORPORATION
2021417890	UPL CORPORATION LIMITED; UPL EUROPE LTD	2022205077	NEXTIVITY, INC.
2021417899	ALPHA TAU MEDICAL LTD.	2022205093	SOLENIUS TECHNOLOGIES CAYMAN, L.P.
2021417970	SUMITOMO CHEMICAL COMPANY, LIMITED; NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY; AINO UNIVERSITY	2022205113	LUIGI LAVAZZA S.P.A.
2021417988	SOCIEDAD QUIMICA Y MINERA DE CHILE S.A.	2022205373	THE JOHNS HOPKINS UNIVERSITY
2021418202	ONCOTHERAPY SCIENCE, INC.; CANCER PRECISION MEDICINE, INC.	2022205447	LANTERN PHARMA INC.
2021418250	NIHON MEDI-PHYSICS CO., LTD.; NATIONAL INSTITUTES FOR QUANTUM SCIENCE AND TECHNOLOGY	2022205653	KITE PHARMA, INC.
2021418389	HUAWEI TECHNOLOGIES CO., LTD.	2022205667	BFP MANAGEMENT, LLC
2021418438	NATIONAL UNIVERSITY CORPORATION TOKAI NATIONAL HIGHER EDUCATION AND RESEARCH SYSTEM	2022205690	DIGITAL SURGERY SYSTEMS, INC.
2021418955	EPIROC DRILLING SOLUTIONS, LLC	2022205713	ONTARIO INSTITUTE FOR CANCER RESEARCH (OICR); THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO; SINAI HEALTH SYSTEM
2021419079	HUAWEI TECHNOLOGIES CO., LTD.	2022205757	I4F LICENSING NV
2021419198	INTERNATIONAL BUSINESS MACHINES CORPORATION	2022205773	CALIK DENIM TEKSTIL SAN. VE TIC. A.S.
2021419207	NICOVENTURES TRADING LIMITED	2022205776	3B PHARMACEUTICALS GMBH
2021419873	TOKUSHIMA UNIVERSITY; AICHI STEEL CORPORATION	2022205794	W & D MCCULLOCH LTD.
2021420292	ZTE CORPORATION	2022205948	ABIOMED, INC.
2021420569	MICROSOFT TECHNOLOGY LICENSING LLC	2022205954	BAKER HUGHES HOLDINGS LLC
2021420638	VENTUS MEDICAL LIMITED	2022205989	LANIER BIOTHERAPEUTICS, INC.
2021420700	SANDVIK MINING AND CONSTRUCTION OY	2022206133	DAIKIN INDUSTRIES, LTD.
		2022206140	NIHON MEDI-PHYSICS CO., LTD.; NATIONAL INSTITUTES FOR QUANTUM SCIENCE AND TECHNOLOGY
		2022206143	KUREHA CORPORATION
		2022206249	ENDOTRONIX, INC.
		2022206257	SPORTS DATA LABS, INC.
		2022206271	REGENERON PHARMACEUTICALS, INC.
		2022206272	STARTON THERAPEUTICS, INC.
		2022206320	MESO SCALE TECHNOLOGIES, LLC.

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2022206458	ISEE, INC.	2022209071	LES LABORATOIRES SERVIER; VERNALIS (R&D) LIMITED
2022206460	IVIEW THERAPEUTICS, INC.	2022209075	KUPEK GMBH
2022206470	ONTARIO INSTITUTE FOR CANCER RESEARCH (OICR); THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO; SINAI HEALTH SYSTEM	2022209109	NUOVO PIGNONE TECNOLOGIE - S.R.L.
2022206514	HUAWEI TECHNOLOGIES CO., LTD.	2022209122	H & M MEDICAL SOLUTIONS GMBH
2022206515	HUAWEI TECHNOLOGIES CO., LTD.	2022209175	GB005, INC.
2022206663	INSURANCE SERVICES OFFICE, INC.	2022209196	CLARIANT INTERNATIONAL LTD
2022206670	A. STUCKI COMPANY	2022209396	GEBR. WILLACH GMBH
2022207074	BECTON, DICKINSON AND COMPANY	2022209402	PAUL HETTICH GMBH & CO. KG
2022207151	GEOBRUGG AG	2022209698	IN8BIO, INC.
2022207218	GMM S.P.A.	2022209829	GREENLIFE TECH CORP.
2022207355	BRODIE, A.M.D.	2022209849	THE BROAD INSTITUTE, INC.; MASSACHUSETTS INSTITUTE OF TECHNOLOGY
2022207356	BET STREAM PTY LTD	2022209975	SEPTODONT OU SEPTODONT SAS OU SPÉCIALITÉS SEPTODONT
2022207414	HUBBELL INCORPORATED	2022210229	MATTUR HOLDINGS, INC.
2022207422	GILEAD SCIENCES, INC.	2022210301	EDWARDS LIFESCIENCES CORPORATION
2022207426	SOANE MATERIALS LLC	2022210365	CELLDEX THERAPEUTICS, INC.
2022207455	CASH, A.B.	2022210517	LUPIN LIMITED
2022207469	ALUME BIOSCIENCES, INC.	2022210524	AVECTAS LIMITED
2022207509	TREACE MEDICAL CONCEPTS, INC.	2022210571	VIEWLINE B.V.
2022207514	ANTECIP BIOVENTURES II LLC	2022210644	BOMBARDIER TRANSPORTATION GMBH
2022207614	DYNELECTRO APS	2022210750	SCHREDER S.A.
2022207648	MONTE ROSA THERAPEUTICS AG	2022210828	SEPTODONT OU SEPTODONT SAS OU SPÉCIALITÉS SEPTODONT
2022207654	LIEBHERR-ELECTRONICS AND DRIVES GMBH	2022210962	HYBRIT DEVELOPMENT AB
2022207661	BIO RESTORE AB	2022210967	HOLLISTER INCORPORATED
2022207688	HOFMEIR MAGNETICS LIMITED	2022211069	THE SCRIPPS RESEARCH INSTITUTE
2022207703	POLITECNICO DI MILANO	2022211364	CONTOUR INNOVATIONS LLC
2022207706	EMS GROUP S.P.A.	2022211386	ABBVIE INC.
2022207708	MEMORIAL SLOAN KETTERING CANCER CENTER; TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE; DAIICHI SANKYO COMPANY, LIMITED	2022211539	TITUS D.O.O. DEKANI
2022207756	SUMMIT (OXFORD) LTD.	2022211562	INSUSENSE APS
2022207832	INSPHARMTECH INC.; AREZ CO., LTD.	2022211594	PAUL HETTICH GMBH & CO. KG
2022207971	HUBBELL INCORPORATED	2022211609	LDN PHARMA LIMITED
2022207981	MARCH THERAPEUTICS, INC.	2022211957	TXINNO BIOSCIENCE INC.
2022207997	JOY GLOBAL SURFACE MINING INC.	2022212145	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2022208054	SEAGEN INC.	2022212319	BLOCKAID PTY LTD
2022208056	ELC MANAGEMENT LLC	2022212376	FOUR PAWS PRODUCTS, LTD.
2022208075	HUAWEI TECHNOLOGIES CO., LTD.	2022212475	TIENSE SUIKERRAFFINADERIJ NV; MEAM BV
2022208104	SYNTHEGO CORPORATION	2022212580	E-THERAPEUTICS PLC
2022208124	ALLITE (JIANGSU) MAGNESIUM TECHNOLOGY CO., LTD.	2022212776	THE UNIVERSITY OF LIVERPOOL
2022208198	AQUASPERSIONS LIMITED	2022212785	MERCK SHARP & DOHME LLC
2022208251	FMC TECHNOLOGIES, INC.	2022212809	NETFLIX, INC.
2022208254	LEVIN, J.M.	2022212939	CAPITAL ONE SERVICES, LLC
2022208268	BECTON, DICKINSON AND COMPANY	2022212946	SIRE INDUSTRIES, LLC
2022208279	NOVIRAD, INC.	2022212957	CAPITAL ONE SERVICES, LLC
2022208280	FORM ENERGY, INC.	2022212959	CAPITAL ONE SERVICES, LLC
2022208339	BAE SYSTEMS PLC	2022213131	AGC INC.; TOYOTA JIDOSHA KABUSHIKI KAISHA
2022208361	MEMORIAL SLOAN KETTERING CANCER CENTER; TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE; DAIICHI SANKYO COMPANY, LIMITED	2022213198	HITACHI ZOSEN INOVA AG
2022208384	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	2022213335	ATEA PHARMACEUTICALS, INC.
2022208387	UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED; VOVA IDA THERAPEUTICS, INC.	2022213348	CRICUT, INC.
2022208415	BARRY CALLEBAUT AG	2022213420	AB INITIO TECHNOLOGY LLC
2022208462	DEMATIC CORP.	2022213494	THELPER AS
2022208494	BAKER HUGHES OILFIELD OPERATIONS LLC	2022213545	ALCON INC.
2022208503	GEOQUEST SYSTEMS B.V.	2022214074	CAPITAL ONE SERVICES, LLC
2022208668	EDWARDS LIFESCIENCES CORPORATION	2022214192	SPARK THERAPEUTICS, INC.
2022208678	HAYWARD INDUSTRIES, INC.	2022214230	ASAHI GROUP HOLDINGS, LTD.
2022208679	CANCER ADVANCES INC.	2022214268	PRIOTHERA SAS; PRIOTHERA LIMITED
2022208745	THE SCRIPPS RESEARCH INSTITUTE	2022214281	E-THERAPEUTICS PLC
2022208873	INTERNATIONAL BUSINESS MACHINES CORPORATION	2022214388	CSL BEHRING AG; UNIVERSITAET ZUERICH
2022208926	QJUMPERS TECHNOLOGIES LIMITED	2022214610	INTRA-CELLULAR THERAPIES, INC.
2022208946	HUAWEI TECHNOLOGIES CO., LTD.	2022214776	CROWN EQUIPMENT CORPORATION
2022209024	CAYAGO TEC GMBH	2022214806	EDWARDS LIFESCIENCES CORPORATION
2022209059	BETAPACK, S.A.U.	2022214817	CAPITAL ONE SERVICES, LLC
2022209063	PHENOX GMBH	2022214909	TECHTRONIC CORDLESS GP
		2022214915	PARATA SYSTEMS, LLC
		2022214917	FIALKO, K.
		2022214930	ABBOTT DIABETES CARE INC.
		2022214986	ASAHI GROUP HOLDINGS, LTD.
		2022215065	E-THERAPEUTICS PLC
		2022215146	NICOVENTURES TRADING LIMITED
		2022215630	MILWAUKEE ELECTRIC TOOL CORPORATION

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2022215948	POLITECNICO DI MILANO	2022227176	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022216184	INFINIUM TECHNOLOGY, LLC	2022227686	LYELL IMMUNOPHARMA, INC.
2022216232	OSMOSE UTILITIES SERVICES, INC.	2022227807	INTERNATIONAL BUSINESS MACHINES CORPORATION
2022216248	ABBOTT DIABETES CARE INC.		
2022216278	SERCEL, INC.	2022227808	INTERNATIONAL BUSINESS MACHINES CORPORATION
2022216358	UNIBIO TECH SCIENCE A/S		
2022216431	DEEPMIND TECHNOLOGIES LIMITED	2022227809	INTERNATIONAL BUSINESS MACHINES CORPORATION
2022216492	BIOCON BIOLOGICS LIMITED		
2022216607	DUKE UNIVERSITY; THE U.S. GOVERNMENT AS REPRESENTED BY THE DEPT. OF VETERAN AFFAIRS	2022227945	LIGALLI BV
		2022228491	CROWN EQUIPMENT CORPORATION
2022216818	ACM BIOLABS PTE LTD	2022229065	SEAFARMING SYSTEMS AS
2022216859	MUÑOZ SAIZ, M.	2022229156	CJ CHEILJEDANG CORPORATION
2022217274	PHANES THERAPEUTICS, INC.	2022231135	BOEHRINGER INGELHEIM INTERNATIONAL GMBH
2022217503	C.I.R.A. (CENTRO ITALIANO RICERCHE AEROSPAZIALI) S.C.P.A.	2022231351	THALES DIS FRANCE SAS
		2022231372	HEIQ MATERIALS AG
2022217507	LUIGI LAVAZZA S.P.A.	2022231874	F. HOFFMANN-LA ROCHE AG
2022217515	ALCON INC.	2022232267	ZEBRA TECHNOLOGIES CORPORATION
2022217544	RAMOT AT TEL-AVIV UNIVERSITY LTD.	2022232912	CRYOVAC, LLC
2022217754	ELI LILLY AND COMPANY	2022233736	TERNX HOLDINGS PTY LTD
2022218184	QUNNECT, INC.	2022233874	PRECISION PLANTING LLC
2022218320	ONCOONE RESEARCH & DEVELOPMENT GMBH	2022233933	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022218693	SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHOPAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED	2022234680	THE CHEMOURS COMPANY FC, LLC
		2022234768	AMGEN INC.
2022218780	BOSTON SCIENTIFIC SCIMED INC.	2022236599	SKULLE IMPLANTS OY
2022218953	RAYTHEON COMPANY	2022236920	THULE SWEDEN AB
2022218994	OMEGA YEAST LABS, LLC	2022237836	F. HOFFMANN-LA ROCHE AG
2022219218	CASALE SA	2022237899	PHARMA HOLDINGS AS
2022219872	SWETREE TECHNOLOGIES AB	2022237969	LUIGI LAVAZZA S.P.A.
2022220636	L'AIR LIQUIDE, SOCIÉTÉ ANONYME POUR L'ÉTUDE ET L'EXPLOITATION DES PROCÉDES GEORGES CLAUDE	2022238864	OERLIKON METCO (US) INC.
		2022241093	LUIGI LAVAZZA S.P.A.
2022220656	EAGLEBURGMANN GERMANY GMBH & CO. KG	2022242776	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022220727	BODUS GMBH	2022242863	PRECISION PLANTING LLC
2022221597	PARATA SYSTEMS, LLC	2022243271	mitsubishi heavy industries, LTD.
2022221708	SIMPSON STRONG-TIE COMPANY INC.	2022244306	IDEMIA IDENTITY & SECURITY FRANCE
2022221720	FAST IP, LLC	2022244770	mitsubishi heavy industries, LTD.
2022221993	ORGANIC FUEL TECHNOLOGY A/S	2022245188	MÖLNLYCKE HEALTH CARE AB
2022222531	TSINGHUA UNIVERSITY	2022245550	mitsubishi heavy industries, LTD.
2022222660	GENENTECH, INC.	2022246716	QUALCOMM INCORPORATED
2022222804	THE PROCTER & GAMBLE COMPANY	2022246722	QUALCOMM INCORPORATED
2022222816	THE PROCTER & GAMBLE COMPANY	2022246751	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
2022222913	WHITEHEAD, K.G.	2022250444	CUP&CINO KAFFEESYSTEM-VERTRIEB GMBH & CO. KG
2022223374	BLACK CAT WEAR PARTS LTD.		
2022223396	HELEN OF TROY LIMITED	2022253085	HUAWEI TECHNOLOGIES CO.,LTD.
2022223523	ROCBOLT TECHNOLOGIES (PTY) LTD.	2022258659	F. HOFFMANN-LA ROCHE AG
2022223623	THE PROCTER & GAMBLE COMPANY	2022260753	OSTEONEUROGEN
2022223759	ROCBOLT TECHNOLOGIES (PTY) LTD.	2022263228	HALLIBURTON ENERGY SERVICES, INC.
2022224114	MASTERCARD TECHNOLOGIES CANADA ULC	2022270890	POSITRON PRECISION GMBH
2022224382	SANDVIK MINING AND CONSTRUCTION OY	2022274622	HALLIBURTON ENERGY SERVICES, INC.
2022224383	SANDVIK MINING AND CONSTRUCTION TOOLS AB	2022284146	SHIJIAZHANG YILING PHARMACEUTICAL CO., LTD.
2022224396	SANDVIK MINING AND CONSTRUCTION OY	2022337841	SHENZHEN 01 LIFE SCIENCE AND TECHNOLOGY CO., LTD.
2022224639	COLLECTORS UNIVERSE, INC.		
2022224687	THE PROCTER & GAMBLE COMPANY	2022355802	FURUKAWA ELECTRIC CO., LTD.
2022224967	JANSSEN VACCINES & PREVENTION B.V.	2022358642	BEAUTY MOLECULES INTERNATIONAL LIMITED
2022225089	FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	2022379381	KARA TECHNOLOGIES LIMITED
		2022379907	BHMPC INVESTMENTS PTY LTD
2022225102	ZEBRA TECHNOLOGIES CORPORATION	2022387397	CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED
2022225168	BRAUN GMBH	2022415577	FURUKAWA ELECTRIC CO., LTD.
2022225660	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY		
2022225735	ALCON INC.		
2022226205	XUZHOU HEAVY MACHINERY CO., LTD.		
2022226342	HITACHI ZOSEN INOVA AG		
2022226460	PRECISION PLANTING LLC		
2022226463	ALCON INC.		
2022226500	KOMATSU LTD.		
2022226655	LYELL IMMUNOPHARMA, INC.		
2022226660	LYELL IMMUNOPHARMA, INC.		
2022226903	RHEEM MANUFACTURING COMPANY		
2022227145	F. HOFFMANN-LA ROCHE AG		

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2022242863	2021411139	<u>A24D 1 /-</u>	2021417720	2022207074	<u>A61K 103 /-</u>
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2022206143	<u>A23G 9 /-</u>	2021419207	2022250444	2021411576	2021396262
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2022212475	<u>A23L 27 /-</u>	2022233736	2022208668	2021424131	2022204290
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2022231135	2021418202		2021424131	2020482223	2022222804
2022284146			2022205447	2021396395	2022222816
<u>A61K 45 /-</u>			2022205713	2021397404	2022223623
2021404789			2022206470	2021397881	2022224687
2021409812				2021398051	
2021412202				2021401628	
				2021402100	
				2021404140	
				2021404789	
				2021408143	
				2021409394	
				2021413598	
				2021413862	
				2021418438	
				2021424131	
				2022205447	
				2022205713	
				2022206470	

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<u>A63B 71 /-</u>	<u>B21F 27 /-</u>	<u>B32B 29 /-</u>	<u>B61G 11 /-</u>	<u>B64D 47 /-</u>	<u>B67D 1 /-</u>
2021396468	2021414421 2022207151	2022205757	2022206670	2021405548	2021405750
<u>B01D 15 /-</u>	<u>B22F 1 /-</u>	<u>B32B 3 /-</u>	<u>B61G 5 /-</u>	<u>B65B 43 /-</u>	<u>B67D 3 /-</u>
2022234768	2021403382	2022205757	2022206670	2021427326	2021405750
<u>B01D 35 /-</u>	<u>B25J 19 /-</u>	<u>B32B 5 /-</u>	<u>B61G 7 /-</u>	<u>B65B 69 /-</u>	<u>B67D 7 /-</u>
2022208678	2021411718	2022205757	2022206670	2022207706	2021411718
<u>B01D 9 /-</u>	<u>B26B 21 /-</u>	<u>B32B 7 /-</u>	<u>B61G 9 /-</u>	<u>B65D 33 /-</u>	<u>B67D 9 /-</u>
2022213335	2021395701 2021416836	2021394046 2022205757	2022206670	2022209829	2021408983 2021410898
<u>B01J 19 /-</u>	<u>B28B 21 /-</u>	<u>B41J 11 /-</u>	<u>B61H 1 /-</u>	<u>B65D 41 /-</u>	<u>B82Y 10 /-</u>
2022205373 202221993	2021415943	2022213348	2021395250 2021395262	2022209059	2022218184
<u>B01J 20 /-</u>	<u>B28D 7 /-</u>	<u>B42F 7 /-</u>	<u>B61H 13 /-</u>	<u>B65D 47 /-</u>	<u>B82Y 40 /-</u>
2022216492	2022207218	2021425422	2021395250 2021395262	2022209829	2021436167 2022231372
<u>B01J 8 /-</u>	<u>B29C 44 /-</u>	<u>B60K 15 /-</u>	<u>B61L 15 /-</u>	<u>B65D 51 /-</u>	<u>B82Y 5 /-</u>
2022219218	2022204289	2022216859	2021394613 2021395264	2022209829	2021436167
<u>B01L 3 /-</u>	<u>B29C 63 /-</u>	<u>B60L 1 /-</u>	<u>B61L 25 /-</u>	<u>B65D 55 /-</u>	<u>C01B 25 /-</u>
2021405833	2021395354 202220727	2022210644	2021394613 2021395264	2022209059	2021398517 2021410790
<u>B01L 7 /-</u>	<u>B29C 65 /-</u>	<u>B60L 5 /-</u>	2021394613	<u>B65D 85 /-</u>	<u>C01B 3 /-</u>
2021405833	2022218953	2022210644	<u>B62B 3 /-</u>	2022237969	2022205373
<u>B03B 9 /-</u>	<u>B29K 101 /-</u>	<u>B60L 50 /-</u>	2022209075	2021405096 2022237969	<u>C01B 32 /-</u>
2022379907	2022218953	2022210644	<u>B62B 5 /-</u>	<u>B65G 1 /-</u>	2021410790 2022205373 2022231372
<u>B03D 1 /-</u>	<u>B29K 105 /-</u>	<u>B60L 7 /-</u>	2022209075 2022233736	2022208462 2022209396	<u>C01D 1 /-</u>
2022379907	2022218953	2022210644	<u>B62B 7 /-</u>	<u>B65G 33 /-</u>	2021417988
<u>B05B 12 /-</u>	<u>B29K 23 /-</u>	<u>B60N 2 /-</u>	2022233736	2021398452	<u>C01D 15 /-</u>
2021416786 2022226460	2022204289	2021396550	<u>B62D 53 /-</u>	<u>B65G 47 /-</u>	2021417988 2022207703
<u>B05B 15 /-</u>	<u>B29K 25 /-</u>	<u>B60R 21 /-</u>	2022206458	2021397601	<u>C03C 1 /-</u>
2022208678	2022204289	2021395472 2021397401	<u>B62D 55 /-</u>	<u>B65G 65 /-</u>	2022379907
<u>B05B 17 /-</u>	<u>B29K 307 /-</u>	<u>B60R 9 /-</u>	2022207997	2021404942	<u>C05G 5 /-</u>
2021404156 2021404157	2022218953	2022236920	<u>B63B 27 /-</u>	<u>B66B 19 /-</u>	2022205667
<u>B05B 7 /-</u>	<u>B29K 69 /-</u>	<u>B60T 1 /-</u>	2021397812 2021408983 2021410898 2022209024	2020482689	<u>C07C 2 /-</u>
2022226460	2022218953	2021395250 2021395262	<u>B62D 55 /-</u>	<u>B66C 13 /-</u>	<u>C07C 211 /-</u>
<u>B06B 1 /-</u>	<u>B29K 71 /-</u>	<u>B60T 17 /-</u>	2022209024	2022226205	2022206460
2021404156 2021404157	2022218953	2021395250 2021395262	<u>B63C 1 /-</u>	<u>B66C 23 /-</u>	2022217544
<u>B21C 23 /-</u>	<u>B29L 9 /-</u>	<u>B60W 40 /-</u>	2022209024	2022226205	<u>C07C 215 /-</u>
2022208124	2022218953	2021416786	<u>B63C 11 /-</u>	<u>B66F 9 /-</u>	2022217544
<u>B21C 51 /-</u>	<u>B32B 27 /-</u>	<u>B60W 60 /-</u>	2022209024	2022205794 2022214776 2022228491	
2021414421	2022205757 2022232912 2022237969	2021416786	<u>B64C 3 /-</u>		
		2021416786	2022217503		

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<u>C07C 229 /-</u>	<u>C07D 403 /-</u>	<u>C07H 15 /-</u>	<u>C07K 19 /-</u>	<u>C09D 167 /-</u>	2022216358
2022209071 2022217544	2022206470 2022208054	2022208054 2022214281 2022215065	2021397206 2021418438 2022207422	2022208198	<u>C12M 3 /-</u>
<u>C07C 233 /-</u>	<u>C07D 405 /-</u>	<u>C07H 19 /-</u>	<u>C07K 7 /-</u>	<u>C09J 11 /-</u>	2022208104
2022209071	2022207648 2022209071 2022213335	2022213335	2021408143 2021412202 2021418202 2022205776	2021394046 2022209196	<u>C12N 1 /-</u> 2021404789
<u>C07C 323 /-</u>	<u>C07D 409 /-</u>	<u>C07H 21 /-</u>	<u>C08B 37 /-</u>	<u>C09J 113 /-</u>	<u>C12N 15 /-</u>
2022209071	2022205713	2022212580 2022214281 2022215065	2022205773	2021394046	2021354969 2021395736 2021397206 2021399147 2021399453 2021401369 2021401628 2021404152 2021405833 2021413862 2021418202 2021418438 2022207981 2022208384 2022209849 2022210524 2022212580 2022217544 2022218994 2022222531 2022226655 2022229156 2022284146
<u>C07C 49 /-</u>	<u>C07D 413 /-</u>	<u>C07K 1 /-</u>	<u>C08F 220 /-</u>	<u>C09J 4 /-</u>	
2022209071	2022207648	2022222531 2022234768	2022205773	2022227154	
<u>C07C 71 /-</u>	<u>C07D 417 /-</u>	<u>C07K 14 /-</u>	<u>C08F 290 /-</u>	<u>C09J 7 /-</u>	
2022209071	2021403827 2022207648	2022222531 2022234768	2022227154	2021394046	
<u>C07D 205 /-</u>	<u>C07D 451 /-</u>	2021354969 2021396389 2021397206 2021397404 2021397881 2021399076 2021399147 2021402100 2021404152 2021417194 2021418438 2022204290 2022205776 2022207422 2022209698 2022210524 2022213494 2022224967 2022227686 2022231874	2022227154	2021394046	
2022209071	2022205713		<u>C08G 61 /-</u>	<u>C09J 9 /-</u>	
<u>C07D 207 /-</u>	<u>C07D 471 /-</u>		2021397216	2021394046	
2021419873 2022211069 2022214281	2021398051 2022205713 2022206470 2022211562		<u>C08J 5 /-</u>	<u>C09K 5 /-</u>	
<u>C07D 209 /-</u>	2021403827 2022205713 2022206470 2022211562		2021413090 2022232912	2022234680	
2022209175 2022337841	<u>C07D 487 /-</u>		<u>C08J 9 /-</u>	<u>C10G 2 /-</u>	
<u>C07D 213 /-</u>	2021403827 2022205713 2022206470 2022211069 2022212785		2021397216	2022216184	
2022209071 2022211562 2022212785	<u>C07D 491 /-</u>		<u>C08K 3 /-</u>	<u>C10G 3 /-</u>	
<u>C07D 215 /-</u>	2021403827 2022205713 2022206470 2022211069 2022212785 2022237836		2022209196 2022216492	2022221993	<u>C12N 5 /-</u> 2021396389 2021418202 2021418438 2021422314 2022210524 2022219872 2022226660
2022209071	<u>C07D 495 /-</u>	<u>C07K 16 /-</u>	<u>C08K 5 /-</u>	<u>C10K 3 /-</u>	
<u>C07D 221 /-</u>	2021403827 2022205713 2022206470 2022211069 2022212785	2022209196	2022209196	2022216184	
2022209071	<u>C07D 499 /-</u>	2020480890 2021397206 2021397404 2021397881 2021399147 2021399453 2021402100 2021403833 2021404495 2021418202 2021418438 2022205989 2022207708 2022208361 2022208679 2022211386 2022213494 2022217274 2022217754 2022218320 2022227686 2022231135 2022231874 2022284146	<u>C08K 9 /-</u>	<u>C10M 107 /-</u>	<u>C12N 7 /-</u> 2022234768
2022209071	2021402528 2021403631 2021403827 2022209071 2022211562		2022209196	2021416533	
<u>C07D 239 /-</u>	<u>C07D 495 /-</u>		<u>C08L 101 /-</u>	<u>C10M 129 /-</u>	
2022205713	2021403827 2022209071 2022211562		2022209196	2021416533	<u>C12N 9 /-</u> 2021395479 2022207981 2022229156
<u>C07D 241 /-</u>	<u>C07D 498 /-</u>		<u>C08L 23 /-</u>	<u>C12C 11 /-</u>	
2022205713	2021403827 2022209071		2022232912	2022218994	
<u>C07D 249 /-</u>	<u>C07D 519 /-</u>		<u>C08L 33 /-</u>	<u>C12C 12 /-</u>	<u>C12P 13 /-</u>
2022211957	2021403827 2021404140 2022205713		2022205093	2022214986	2022229156
<u>C07D 401 /-</u>	2021396397 2021397319 2022214610 2022237836		<u>C08L 5 /-</u>	<u>C12C 5 /-</u>	<u>C12P 19 /-</u> 2021395736
2021408195 2021413598 2022206470 2022207648 2022209071 2022211957 2022212785 2022214610	<u>C07F 9 /-</u>		2022205773	2022214986	<u>C12P 21 /-</u> 2021418202 202222531
	2022206460		<u>C08L 67 /-</u>	<u>C12H 3 /-</u>	<u>C12Q 1 /-</u> 2021395736 2021401369 2021405833
			2022208198	2022214986	
			<u>C09B 67 /-</u>	<u>C12M 1 /-</u>	
			2022205773	2021398897	

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2021414296	<u>D04B 37 /-</u>			<u>F01D 15 /-</u>	<u>F16B 5 /-</u>
2021418202		<u>E02F 7 /-</u>	<u>E21B 19 /-</u>		
2022204290	2022215948			2022243271	2021417720
2022216607		2021404942	2021397812	2022244770	
	<u>D06B 21 /-</u>			2022245550	<u>F16C 32 /-</u>
<u>C12R 1 /-</u>		<u>E02F 9 /-</u>	<u>E21B 21 /-</u>		
	2022205773			<u>F01D 5 /-</u>	2022210229
2021404789		2021412836	2021441986		
	<u>D06B 23 /-</u>	2021415633		2022209109	<u>F16D 121 /-</u>
<u>C21B 13 /-</u>		2021427762	<u>E21B 23 /-</u>	2022238864	
	2022205773	2022223374			2021395262
2022210962			2021409979	<u>F01P 7 /-</u>	
	<u>D06B 3 /-</u>	<u>E04B 1 /-</u>	2021410067		<u>F16D 125 /-</u>
<u>C22B 3 /-</u>				2021422678	
	2022205773	2022221708	<u>E21B 33 /-</u>	2021423963	2021395262
2021418250					
	<u>D06M 16 /-</u>	<u>E04B 2 /-</u>	2021410067	<u>F02B 47 /-</u>	<u>F16D 49 /-</u>
<u>C22B 60 /-</u>					
	2022207661	2022210571	<u>E21B 34 /-</u>	2022216859	2021395262
2021418250		2022212319			
	<u>D06P 1 /-</u>		2021420723	<u>F02C 7 /-</u>	<u>F16D 65 /-</u>
<u>C22B 7 /-</u>		<u>E04C 3 /-</u>			
	2022205773		<u>E21B 41 /-</u>	2022244770	2021395262
2021418250		2022221708			
	<u>D21H 17 /-</u>		2021441986	<u>F02C 9 /-</u>	<u>F16D 66 /-</u>
<u>C22C 1 /-</u>		<u>E04C 5 /-</u>	2022208494		
	2022205093		2022263228	2022243271	2021395250
2022208124		2021414421		2022245550	2021395262
	<u>D21H 19 /-</u>	2022212319	<u>E21B 43 /-</u>		
<u>C22C 23 /-</u>				<u>F02M 25 /-</u>	<u>F16F 1 /-</u>
	2022208198	<u>E04F 15 /-</u>	2021397812		
2022208124			2021410067	2022216859	2022206670
	<u>D21H 21 /-</u>	2022205757	2022205954		
<u>C22F 1 /-</u>			2022208494	<u>F02M 26 /-</u>	<u>F16F 15 /-</u>
	2022205093	<u>E04H 12 /-</u>	2022263228		
2022208124	2022208198		2022274622	2022216859	2022210229
		2021392319			
<u>C23C 14 /-</u>	<u>D21H 27 /-</u>	2022216232	<u>E21B 6 /-</u>	<u>F03B 17 /-</u>	<u>F16H 21 /-</u>
2022238864	2022208198	<u>E04H 4 /-</u>	2022224382	2021400598	2022225168
			2022224396		
<u>C23C 16 /-</u>	<u>E01C 11 /-</u>	2022208678		<u>F03D 13 /-</u>	<u>F16H 23 /-</u>
			<u>E21B 7 /-</u>		
2022231372	2021421301	<u>E04H 9 /-</u>		2021410535	2022225168
	2022355802		2021418955	2021412309	
<u>C23C 8 /-</u>		2022221708	2022224382		<u>F16J 15 /-</u>
	<u>E01C 9 /-</u>		2022224396	<u>F03D 17 /-</u>	
2022207703		<u>E05D 15 /-</u>			2021411870
	2021421301		<u>E21C 41 /-</u>	2021410535	202220656
<u>C25B 1 /-</u>		2022210571			
	<u>E01F 7 /-</u>		2021404942	<u>F03D 7 /-</u>	<u>F16K 27 /-</u>
2022207614		<u>E05D 3 /-</u>			
2022213198	2022207151		<u>E21D 11 /-</u>	2021410535	2021411869
2022216184		2022211539			
2022226342	<u>E01H 3 /-</u>		2021414421	<u>F03G 3 /-</u>	<u>F16K 31 /-</u>
		<u>E05D 5 /-</u>			
<u>C25B 15 /-</u>	2021416786		<u>E21D 21 /-</u>	2021400598	2021422678
	2022226500	2022211539		2022210229	2021423963
2022207614			2022223523		
2022213198	<u>E02B 3 /-</u>	<u>E05F 5 /-</u>	2022223759	<u>F03G 7 /-</u>	<u>F16K 5 /-</u>
2022226342					
	2022207151	2022211539	<u>E21F 13 /-</u>	2021400598	2021411869
<u>C25B 9 /-</u>				2022208251	2021411870
	<u>E02D 27 /-</u>	<u>E21B 1 /-</u>	2021420700		
2022207614				<u>F04D 13 /-</u>	<u>F16L 37 /-</u>
2022213198	2022216232	2022224382	<u>E21F 5 /-</u>		
2022226342		2022224396		2022208678	2021397812
	<u>E02D 29 /-</u>	<u>E21B 15 /-</u>	2021416786	<u>F04D 15 /-</u>	<u>F16L 41 /-</u>
<u>C40B 40 /-</u>					
	2021407402	2021418955	<u>F01D 11 /-</u>	2022208678	2021395410
2022222531					
	<u>E02F 3 /-</u>	<u>E21B 17 /-</u>	2022209109	<u>F16B 12 /-</u>	<u>F16L 55 /-</u>
<u>D04B 1 /-</u>					
	2021404942			2021417720	2021395410
2022215948	2021412836	2022224383			
	2021415633	2022263228			

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<u>F16M 11/-</u>	<u>F26B 3/-</u>	<u>G01R 31/-</u>	<u>G06F 21/-</u>	2022214074	<u>G07C 9/-</u>
2021405548	2021398452	2021404446	2021403444	<u>G06Q 20/-</u>	2021399702
<u>F17C 1/-</u>	<u>F27B 1/-</u>	<u>G01S 17/-</u>	2022208926	2022212959	2021399704
2021423209	2022210962	2021398983	2022212959	2022212939	<u>G07F 13/-</u>
<u>F17C 13/-</u>	<u>F27D 3/-</u>	<u>G01S 7/-</u>	2022214817	2022212957	2022217507
2021414736	2022210962	2021396589	2022224114	2022212959	<u>G07F 17/-</u>
<u>F17D 1/-</u>	<u>F27D 99/-</u>	<u>G01V 1/-</u>	2022231351	2022214074	2022207356
2021423209	2022210962	2022208503	2022244306	2021400853	<u>G08B 17/-</u>
<u>F17D 5/-</u>	<u>F41A 21/-</u>	2022216278	<u>G06F 30/-</u>	2022214074	2022205077
2021423209	2022208339	<u>G02B 27/-</u>	2022215948	<u>G06Q 40/-</u>	<u>G08B 21/-</u>
<u>F21S 8/-</u>	<u>F42B 33/-</u>	2022218184	<u>G06F 40/-</u>	2021395085	2021393512
2021407530	2022222913	<u>G02B 5/-</u>	2021410088	2022206663	2021395700
2022207414	<u>G01C 17/-</u>	2021436028	2021427532	<u>G06Q 50/-</u>	2021417180
2022207971	2022205045	<u>G02B 6/-</u>	2022208926	2022207356	2022225102
2022210750	<u>G01C 21/-</u>	2022218184	<u>G06F 8/-</u>	2022208926	<u>G08B 25/-</u>
<u>F21S 9/-</u>	2021396589	2022225735	2022227145	<u>G06T 1/-</u>	2021393512
2021407530	2021399704	<u>G05B 13/-</u>	<u>G06F 9/-</u>	2022221597	<u>G08C 17/-</u>
<u>F21V 15/-</u>	2021420700	2021427367	2022212776	<u>G06T 13/-</u>	2021397821
2022207414	2021429297	<u>G05B 19/-</u>	2022227807	2022379381	2022205077
2022207971	<u>G01M 11/-</u>	<u>G05B 23/-</u>	2022227808	<u>G06T 3/-</u>	<u>G08G 1/-</u>
<u>F21V 25/-</u>	2022213545	2021403444	2022227809	2022214917	2021395700
2022207414	<u>G01M 99/-</u>	<u>G05B 23/-</u>	<u>G06K 7/-</u>	2022215948	2021429297
2022207971	2021397821	2020484053	2022232267	<u>G06T 5/-</u>	2022213131
<u>F21V 8/-</u>	<u>G01N 21/-</u>	2021406132	<u>G06N 10/-</u>	2022214915	<u>G09B 21/-</u>
2022225735	2022226463	2021427367	2022218184	<u>G06T 7/-</u>	2022379381
<u>F21Y 115/-</u>	<u>G01N 27/-</u>	<u>G05D 1/-</u>	<u>G06N 20/-</u>	202224639	<u>G09F 3/-</u>
2022207414	2021417970	2021416786	2021395085	2021409985	2020480538
2022207971	<u>G01N 29/-</u>	2021429297	2021397821	2021411388	<u>G11B 27/-</u>
<u>F24F 11/-</u>	2021417970	<u>G06E 1/-</u>	2021409790	2022212809	2021403183
2021428990	<u>G01N 30/-</u>	2021409859	2022206257	2022214915	<u>G16C 20/-</u>
2022206133	2022226903	<u>G06F 1/-</u>	2022208494	202221597	2022206320
<u>F24F 13/-</u>	<u>G01N 33/-</u>	2021417180	<u>G06N 3/-</u>	2022224639	<u>G09V 10/-</u>
2021436028	2020480890	<u>G06F 11/-</u>	2021395085	<u>G06V 10/-</u>	<u>G16H 10/-</u>
<u>F24F 6/-</u>	2021399453	2021409790	2021396186	2021409985	2022214915
2022223396	2021405833	2021395085	2021410088	2021417213	<u>G16H 15/-</u>
<u>F25J 1/-</u>	2021417194	2021395085	2022206271	202221597	2022214930
2022220636	2021417970	2021409790	2022216431	2022224639	<u>G16H 20/-</u>
<u>F26B 17/-</u>	2022205653	2022206257	202221597	<u>G06V 20/-</u>	2022214930
2021398452	2022205776	2022208075	<u>G06Q 10/-</u>	2021417213	2021403127
<u>F26B 25/-</u>	<u>G01P 21/-</u>	2022208926	2021405750	2022214915	2021409721
2021398452	2022205045	2022213420	2021409790	<u>G06V 30/-</u>	2021411975
<u>G01P 3/-</u>	<u>G01P 3/-</u>	<u>G06F 17/-</u>	2021436649	2022208873	2022208254
2021398452	2022205045	2022208926	2022206257	<u>G07C 5/-</u>	2022216248
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2022214915	2022415577	H04L 12 /-	H04W 36 /-
2022221597	H02G 13 /-	2022208946	2021416889
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2022213131	H02G 9 /-	2022212145	2021396589
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H04N 5/262 (2006.01)
H04N 5/76 (2006.01)
H04N 21/845 (2011.01)
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 A61K 38/20 (2006.01)
 C07K 14/55 (2006.01)
 C12N 15/24 (2006.01)
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 B01D 15/16 (2006.01)
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 G06Q 40/00 (2012.01)
 G06Q 20/22 (2012.01)
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 B65F 3/02 (2006.01)
 B60P 1/54 (2006.01)
 B65F 3/14 (2006.01)
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 A47J 31/44 (2006.01)
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(54) Transparent face protector and interchangeable mount device
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A42B 3/20 (2006.01)
A42B 3/22 (2006.01)
F41H 1/04 (2006.01)
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A61K 31/4245 (2006.01)
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A61K 31/4439 (2006.01)
A61P 3/00 (2006.01)
A61P 19/00 (2006.01)
A61P 21/00 (2006.01)
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G03G 21/18 (2006.01)
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H04W 4/80 (2018.01)
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H04W 12/06 (2021.01)
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H04W 4/14 (2009.01)
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G06F 3/0481 (2013.01)
G06T 11/20 (2006.01)
G09G 5/36 (2006.01)
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E01H 5/06 (2006.01)
E02F 3/815 (2006.01)
F41H 11/28 (2011.01)
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B60G 9/00 (2006.01)
B60G 15/00 (2006.01)
B62D 55/104 (2006.01)
F16F 1/00 (2006.01)
F16F 3/00 (2006.01)
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C07D 471/04 (2006.01)
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A61P 35/00 (2006.01)
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G01V 1/30 (2006.01)
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E21D 9/12 (2006.01)
E21D 9/06 (2006.01)
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A47L 13/59 (2006.01)
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G06Q 10/06 (2012.01)
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A01P 13/00 (2006.01)
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C07K 14/47 (2006.01)
C12N 15/113 (2010.01)
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A61B 5/00 (2006.01)
A61B 18/20 (2006.01)
A61C 9/00 (2006.01)
A61C 13/01 (2006.01)
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G06F 30/00 (2020.01)
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B28B 1/00 (2006.01)
B28C 7/12 (2006.01)
C04B 20/00 (2006.01)
C04B 22/08 (2006.01)
C04B 22/10 (2006.01)
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C04B 22/14 (2006.01)
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H02J 7/35 (2006.01)
H02J 9/06 (2006.01)
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F17D 1/14 (2006.01)
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A61F 13/511 (2006.01)
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D04H 1/425 (2012.01)
D04H 1/4258 (2012.01)
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H01M 8/04276 (2016.01)
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F04D 29/70 (2006.01)
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G08C 15/00 (2006.01)
G08C 15/06 (2006.01)
G08C 25/00 (2006.01)
H04L 7/00 (2006.01)
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F04D 29/38 (2006.01)
F24F 1/38 (2011.01)
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A61K 38/09 (2006.01)
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 B33Y 30/00 (2015.01)
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B65H 75/02 (2006.01)
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C07D 401/14 (2006.01)
A61K 31/4025 (2006.01)
A61K 31/4155 (2006.01)
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F21S 41/663 (2018.01)
F21S 43/14 (2018.01)
F21S 43/19 (2018.01)
F21W 102/13 (2018.01)
F21W 103/55 (2018.01)
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G06N 3/02 (2006.01)
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F04C 28/28 (2006.01)
F04D 13/02 (2006.01)
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B61L 27/00 (2006.01)
H04W 84/18 (2009.01)
B61L 1/16 (2006.01)
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C12P 21/06 (2006.01)
A61K 38/43 (2006.01)
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E04B 9/34 (2006.01)
E04C 2/30 (2006.01)
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E04F 10/00 (2006.01)
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2016353468	Ludwig-Maximilians-Universität München	2017438991	SES-imagotag GmbH
2016357460	Ablynx NV	2018200593	Otis Elevator Company
2016418249	Daniels Health Pty Ltd	2018200701	Howmedica Osteonics Corp.
2016428017	MMC FITTINGS LIMITED	2018201365	Mac Ute Accessories Limited
2016432188	FEMSELECT LTD.	2018202123	LG Electronics Inc.
2016434848	Electrolux Appliances Aktiebolag	2018203678	SIMONELLI GROUP S.P.A.
2017203413	Fujitsu General Limited	2018203787	Tore Cut Pty Ltd
2017204659	VGP IPCO LLC	2018204842	Medtronic Ardian Luxembourg S.a.r.l.
2017206193	Fujitsu General Limited	2018204843	Medtronic Ardian Luxembourg S.a.r.l.
2017223821	ARC Bio, LLC	2018207769	Schmidt, P.
2017228401	Abbott Diagnostics Scarborough, Inc.	2018213849	Glasspoint Solar, Inc.
2017228710	Magnetite (Australia) Pty Ltd	2018215360	A.L.M Holding Company; Ergon Asphalt & Emulsions, Inc.
2017237464	Allflex Europe SAS	2018220781	The Janger Limited
2017240236	Research Institute at Nation Wide Children's Hospital	2018223937	Epiroc Rock Drills Aktiebolag
2017242031	Geltor, Inc.	2018223975	Lipotruue, S.L.
2017242523	BASF SE	2018229280	Westmeyer, P.; Mazaheri, R.
2017246318	The Board of Trustees of The Leland Stanford Junior University	2018229330	Axine Water Technologies Inc.
2017248656	The Trustees of The University of Pennsylvania	2018229967	Nova Somor S.r.l.
2017251707	Hunter Douglas Inc.	2018230992	Smith & Nephew, Inc.
2017269860	Immatics Biotechnologies GmbH	2018231408	Pherecydes Pharma
2017277647	President and Fellows of Harvard College	2018232560	Assa Abloy Entrance Systems AB
2017277666	University of Iowa Research Foundation	2018232800	Sika Technology AG
2017281649	Sciencons AS	2018234204	Meiji Seika Pharma Co., Ltd.
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2017290614	Crispr Therapeutics AG	2018234913	Trade Secret Chocolates
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2017292752	Celgene Corporation	2018237288	Caterpillar Inc.
2017293654	Boyle, N.	2018239442	Velano Vascular, Inc.
2017309337	Muñoz Saiz, M.	2018240002	Fresenius Kabi USA, LLC
2017310249	Breville Pty Limited	2018240414	Mölnlycke Health Care AB
2017315755	Crown Equipment Corporation	2018240520	Stamford Devices Ltd
2017322399	Dexcom, Inc.	2018243480	Sercel, Inc.
2017322804	ShoreTension Holding B.V.	2018244078	Caterpillar Inc.
2017329672	Boehringer Ingelheim Vetmedica GmbH	2018244799	Innospec Limited
2017330350	Crown Packaging Technology, Inc.	2018250340	K2M, Inc.
2017340125	CNH Industrial America LLC; Autonomous Solutions, Inc.	2018252927	Equinor Energy AS
2017340760	Mitobridge, Inc.	2018253491	Mulesoft, LLC
2017344826	Mubea Carbo Tech GmbH	2018255117	Scholle IPN IP B.V.
2017345394	IPM S.r.l.	2018256582	J2M BARRIERS PTY LTD
2017345720	Chiasma, Inc.	2018258692	ESS Tech, Inc.
2017350732	United Therapeutics Corporation	2018259567	Nitto Denko Corporation
2017353216	Caren Meicnic Teoranta	2018263295	Tomm Tech Pty Ltd
2017354082	Novartis AG	2018263371	Ceox Technologies Ltd
2017355417	CMS Technology, Inc	2018268805	Glatfelter Holding (Switzerland) AG
2017362014	Moricca, S.	2018269362	Wisconsin Alumni Research Foundation; University of Leiden; University of Chicago
2017363960	Mölnlycke Health Care AB	2018269711	Massachusetts Institute of Technology; The Brigham and Women's Hospital, Inc.; Novo Nordisk A/S
2017364162	Outokumpu Oyj	2018269737	Avenu Medical, Inc.
2017371395	Baymatob Pty Ltd	2018271842	BL Technologies, Inc.
2017373543	Petroleum Technology Company AS	2018273352	Howmedica Osteonics Corp.; The University of Liverpool
2017374777	GW Research Limited	2018274168	Bang & Clean GmbH
2017377022	FLSmidth A/S	2018275735	Plasser & Theurer Export von Bahnbaumaschinen GmbH
2017377661	Benitec IP Holdings Inc.	2018279147	Laerdal Medical AS
2017377902	Westinghouse Air Brake Technologies Corporation	2018281920	Hollister Incorporated
2017378220	GOJO Industries, Inc.	2018284088	Intergraph Corporation
2017379736	Caterpillar Inc.	2018286640	Oztent Australia Pty. Limited
2017381050	Electrolux Appliances Aktiebolag	2018286731	Suez International
2017382441	Icahn School of Medicine at Mount Sinai	2018288516	SELC Ireland Ltd
2017387077	Genentech, Inc.	2018289404	Fresenius Kabi Deutschland GmbH
2017388207	Spirox, Inc.	2018290882	Regeneron Pharmaceuticals, Inc.
2017390514	Samsung Electronics Co., Ltd.	2018290885	Regeneron Pharmaceuticals, Inc.
2017400244	Sandvik Intellectual Property AB		
2017412281	Kimberly-Clark Worldwide, Inc.		
2017425084	CLR Chemisches Laboratorium Dr. Kurt Richter GmbH		
2017432180	Halliburton Energy Services, Inc.		

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2018291024	SRI International	2020227791	Siemens Mobility GmbH
2018292155	Gensight Biologics; Sorbonne Université; Centre National de la Recherche Scientifique; Institut National de la Sante et de la Recherche Medicale (INSERM)	2020228973	Sonnen, Inc.
2018297319	GOJO Industries, Inc.	2020242986	Inventio AG
2018297336	AEye, Inc.	2020247208	Telefonaktiebolaget LM Ericsson (publ)
2018297846	Plasma Giken Co., Ltd.	2020247230	Telefonaktiebolaget LM Ericsson (publ)
2018303336	AQUIRIAN TECHNOLOGY PTY LTD	2020247578	LG Electronics Inc.
2018307119	Denka Company Limited	2020254105	JK-Holding GmbH
2018307791	Quanta Associates, L.P.	2020255012	Huawei Technologies Co., Ltd.
2018310720	Saint-Gobain Isover	2020256386	Tribiotica LLC
2018311413	O&M Halyard International Unlimited Company	2020257403	Apple Inc.
2018319635	Paragon Inspection Limited	2020257935	Inventio AG
2018320150	SICPA HOLDING SA	2020259650	Rheinmetall Waffe Munition GmbH
2018320412	SICPA HOLDING SA	2020264323	HandyLab, Inc.
2018322282	DSM IP Assets B.V.	2020266635	Xinjiang Goldwind Science & Technology Co., Ltd.
2018322795	Biotage AB	2020268279	Fuji Tecom Inc.
2018328569	BeiGene, Ltd.	2020270771	LG Electronics Inc.
2018346104	Prevail Therapeutics, Inc.	2020274118	CooperSurgical, Inc.
2018348719	Orthogen AG	2020280924	Pharvaris GmbH
2018349776	Amferia AB	2020284374	Voith Patent GmbH
2018352471	Mesrobian, H.	2020286933	Bühler Insect Technology Solutions AG
2018354349	Corteva Agriscience LLC	2020293073	Boston Scientific Neuromodulation Corporation
2018360847	Calico Life Sciences LLC; AbbVie Inc.	2020293843	LG Electronics Inc.
2018361984	Piaggio & C. S.p.A.	2020294253	Inner Mongolia Mengniu Dairy (Group) Co., Ltd.
2018365074	SUBSEASAIL LLC	2020294508	Battelle Memorial Institute
2018380646	Norsk Hydro ASA	2020295595	Thiele GmbH & Co. KG
2018385690	Stealth BioTherapeutics Corp.	2020295720	Welltec Oilfield Solutions AG
2018387316	Termo-ind SA	2020296110	CooperSurgical, Inc.
2018390648	Casio Computer Co., Ltd.	2020312643	Elekta AB (publ)
2018419509	Halliburton Energy Services, Inc.	2020317321	SinoCellTech Ltd.
2018429898	Electrolux Appliances Aktiebolag	2020320997	CGeneTech (Suzhou, China) Co., Ltd.
2018447034	Pujing Chemical Industry Co., Ltd	2020321811	Boston Scientific Scimed, Inc.
2019209293	Vertex Pharmaceuticals Incorporated	2020348086	Asahi Kasei Kabushiki Kaisha
2019218747	Forescout Technologies, Inc.	2020349504	Tencent America LLC
2019220460	Microsoft Technology Licensing, LLC	2020353550	Sanki Engineering Co.,Ltd.; Aquaconsult Anlagenbau GmbH
2019231140	MapMyID, Inc.	2020354034	LEE, K.
2019241702	Orizuru Therapeutics, Inc	2020357748	Muzak LLC
2019241840	Qualcomm Incorporated	2020359756	Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shirui Electronics Co., Ltd.
2019242899	Zoltek Corporation	2020369463	Suzhou Reveda Medical Biotech Co., Ltd.
2019243017	GOJO Industries, Inc.	2020373988	Daikin Industries, Ltd.; Riken
2019243283	Eli Lilly and Company	2020378460	Huawei Technologies Co., Ltd.
2019248350	Paratek Pharmaceuticals, Inc.; Almirall, LLC	2020381527	Kuat Innovations LLC
2019269346	Interdigital VC Holdings, Inc.	2020382065	PPG Europe B.V.
2019286280	WESCO Equity Corporation	2020382698	Thales USA, Inc.
2019288269	Qualcomm Incorporated	2020386881	Baker Hughes Oilfield Operations LLC
2019301648	Hollister Incorporated	2020391183	Google LLC
2019305815	Max Co., Ltd.	2020400764	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.
2019310437	Hernandez, D.	2020401899	Midea Group Co., Ltd.
2019312924	Chevron U.S.A. Inc.	2020410470	Shanghai SIMR Biotechnology Co., Ltd.; Shanghai SIMRD Biotechnology Co., Ltd.
2019316053	Eaton Intelligent Power Limited	2020414142	Beijing Geekplus Technology Co. Ltd
2019332047	WHEELGUARD GmbH	2020415250	Thales Management & Services Deutschland GmbH
2019355273	Illumina, Inc.	2020415282	Capital One Services, LLC
2019362576	KHR Biotec GmbH	2020417950	thyssenkrupp rothe erde Germany GmbH; thyssenkrupp AG
2019371825	Nutrition 21, LLC	2020418468	Surpath Trading Co., Ltd.
2019372445	Aleyegn Technologies LLC	2020422153	Siemens Energy Global GmbH & Co. KG
2019384948	Fonterra Co-operative Group Limited	2020425195	Nippon Telegraph and Telephone Corporation
2019386917	Huawei Technologies Co., Ltd.	2020428058	Tencent Technology (Shenzhen) Company Limited
2019401868	G2GBIO, INC.	2020456574	Vibra Maschinenfabrik Schultheis GmbH & Co.
2019403447	Ionis Pharmaceuticals, Inc.	2020477267	SYNERGIA MEDICAL
2019420490	Caterpillar Inc.	2021200137	University of Pittsburgh - of the Commonwealth System of Higher Education
2019421587	Caterpillar Inc.	2021202480	Trustees of Boston University
2019428640	Hewlett-Packard Development Company, L.P.	2021202800	Masimo Corporation
2019451224	W. L. Gore & Associates, Inc.	2021202906	Technology Connections International Pty Ltd
2019465349	Xuzhou XCMG Excavator Machinery Co., Ltd.	2021202910	LG ELECTRONICS INC.
2019478717	Essity Hygiene and Health Aktiebolag	2021202950	The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services
2020200993	Ineson, L.; Ineson, M.		
2020203322	Progress Rail Locomotive Inc.		
2020212558	Emerson Vulcan Holding LLC		
2020213431	Greenfield Global Inc.		
2020215026	Capital One Services, LLC		
2020215849	Novartis AG		

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2021203170	Research Institute at Nationwide Children's Hospital; Ohio State Innovation Foundation	2022202301	NAVICO HOLDING AS
2021203178	6 over 6 Vision Ltd.	2022202650	Nicoventures Trading Limited
2021203198	Canon Kabushiki Kaisha	2022203981	Avalon Medical Ltd.; Colorado State University Re- search Foundation
2021203290	ENDACE TECHNOLOGY LIMITED	2022204061	Taranis Power Group Pty Ltd
2021203294	Novartis AG	2022204475	Intuit Inc.
2021203311	Telefonaktiebolaget LM Ericsson (PUBL)	2022204798	Lumet Technologies Ltd.
2021203370	The General Hospital Corporation	2022204883	METROMAX AMERICA CORPORATION
2021203530	Bioniz Therapeutics, Inc.	2022205145	Schneider Electric Industries SAS
2021203969	Deere & Company	2022205182	ZHEJIANG JINKO SOLAR CO., LTD.; JINKO SOLAR CO., LTD.
2021203970	Deere & Company	2022206825	B.BOX FOR KIDS DEVELOPMENTS PTY LTD
2021204034	Sony Corporation	2022221474	IMS INNOVATIONS 2022 LIMITED
2021204089	Spogen Biotech Inc.	2022226493	LUMUS LTD.
2021204351	Mesa Biotech, Inc.	2022228148	STEPHEN, C.
2021204478	Koninklijke Douwe Egberts B.V.	2022241559	Ampersand Biopharmaceuticals, LLC; Sand, B.
2021204517	SciSparc Ltd	2022246322	Sumitomo Osaka Cement Co., Ltd.
2021204605	Natural Brew Inc	2022263618	REVOLUTION AG PTY LTD
2021204824	Koninklijke Douwe Egberts B.V.	2022279372	Buzzworks Pty Ltd
2021205427	Enphase Energy, Inc.	2023200298	Mimeo Industrial Limited
2021206820	Wintermute Biomedical, Inc.	2023201742	HIT TEKK PTY LTD
2021206839	LG Electronics Inc.		
2021209240	Adobe Inc.		
2021209255	Immune Macro-Biotic Technology UK Limited		
2021209281	Tersus Pharmaceuticals, LLC		
2021212018	Hunter Douglas Inc.		
2021212099	Blackhawk Network, Inc.		
2021215118	Cixi Bosheng Plastic Co., Ltd.		
2021215119	Cixi Bosheng Plastic Co., Ltd.		
2021215136	Proteostasis Therapeutics, Inc.		
2021215164	Becton, Dickinson and Company		
2021218005	Eximis Surgical Inc.		
2021218183	Aqseptence Group, Inc.		
2021221397	Snap-on Incorporated		
2021221578	Canon Kabushiki Kaisha		
2021225151	Immune Sensor, LLC; The Board of Regents of the Uni- versity of Texas System		
2021225175	Air Products and Chemicals, Inc.		
2021225239	SPCM SA		
2021232831	W. L. Gore & Associates, Inc.		
2021232836	Diversey, Inc.		
2021236555	Dexcom, Inc.		
2021245116	Genzyme Corporation		
2021245242	ClearStream Technologies Limited		
2021251739	Taizhou Yongpai Pack Equipment Co., Ltd.		
2021254543	Sichuan Normal University; Xichang University		
2021254599	Techtronic Cordless GP		
2021254627	Alink Co., Ltd.		
2021258057	Hainan University		
2021266163	CooperVision International Limited		
2021266354	Galvanize Therapeutics, Inc.		
2021269349	Progress Rail Locomotive Inc.		
2021269450	Novartis AG		
2021272086	Northrop Grumman Systems Corporation		
2021277728	TechMah Medical LLC		
2021286280	Snap-on Incorporated		
2021287457	Commonwealth Scientific and Industrial Research Or- ganisation		
2021290425	China Railway Engineering Equipment Group Co., Ltd		
2021305970	Novartis AG		
2021312196	Beijing Bytedance Network Technology Co., Ltd.		
2021312671	Intuit Inc.		
2021323844	Abbisko Therapeutics Co., Ltd.		
2021369836	CROCKETT, R.J.		
2022200055	Inkerz Pty Ltd		
2022200173	Vetco Gray Scandinavia AS		
2022200459	The NOCO Company		
2022200535	MASTERCARD INTERNATIONAL INCORPORATED		
2022201047	NEOS Surgery, S.L.		
2022201651	Weatherford Technology Holdings, LLC		
2022201717	Mingsight Pharmaceuticals, Inc.		
2022201947	ArQule, Inc.		
2022202204	Rovi Guides, Inc.		

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2017340125	2018234913	2020321811	2017412281		2022203981
<u>A01G 25 /-</u>	<u>A23K 10 /-</u>	2021232831	2018230992	<u>A61K 38 /-</u>	<u>A61M 1 /-</u>
2022263618	2018322282	<u>A61B 17 /-</u>	2018240414	2017269860	2017363960
<u>A01G 9 /-</u>	<u>A23K 20 /-</u>	2016418249	2019478717	2017345720	2018230992
2019305815	2018322282	2016432188	2022241559	2018223975	2018240002
<u>A01H 1 /-</u>	<u>A23L 17 /-</u>	2018250340	<u>A61F 2 /-</u>	2018346104	2018348719
2017242523	2018322282	2018269737	2016432188	2018385690	
<u>A01H 5 /-</u>	<u>A23L 2 /-</u>	2020321811	2017388207	2019401868	<u>A61M 11 /-</u>
2017240236	2019384948	2021232831	2018292155	2021203370	2018240520
2017242523	<u>A23L 3 /-</u>	2021245242	2021277728	2021203530	2022202650
<u>A01K 1 /-</u>	<u>A23L 33 /-</u>	2022201047	2022203981	<u>A61K 39 /-</u>	
2020286933	2018322282	<u>A61B 18 /-</u>	<u>A61F 5 /-</u>	2017269860	<u>A61M 15 /-</u>
<u>A01K 67 /-</u>	2019384948	2018269737	2017388207	2017329672	2018240520
2020286933	2020294253	2020274118	2018281920	2019243283	2022202650
<u>A01N 31 /-</u>	2021203170	2021218005	2019301648	2020317321	<u>A61M 25 /-</u>
2021209281	<u>A24F 47 /-</u>	2021266354	2019310437	2021200137	2018200701
<u>A01N 43 /-</u>	<u>A42B 3 /-</u>	2021369836	<u>A61F 9 /-</u>	2021225151	2018239442
2018234204	2022279372	<u>A61B 3 /-</u>	2019372445	<u>A61K 45 /-</u>	2021215164
2018354349	<u>A47G 25 /-</u>	2021203178	<u>A61G 7 /-</u>	2017277647	2022203981
<u>A01N 47 /-</u>	2018220781	<u>A61B 42 /-</u>	2021202800	2017374777	<u>A61M 29 /-</u>
2018234204	<u>A47J 31 /-</u>	2016432188	<u>A61J 3 /-</u>	2021206820	2022203981
<u>A01N 63 /-</u>	2017310249	2016432188	2018269711	<u>A61K 47 /-</u>	<u>A61M 3 /-</u>
2018231408	2018203678	<u>A61B 46 /-</u>	<u>A61K 31 /-</u>	2021269450	2021203294
<u>A01P 13 /-</u>	<u>A47J 36 /-</u>	2018311413	2017340760	<u>A61K 48 /-</u>	<u>A61M 39 /-</u>
2018354349	2017310249	<u>A61B 5 /-</u>	2017354082	2017290614	2018289404
<u>A01P 7 /-</u>	<u>A47J 43 /-</u>	2017371395	2017374777	2017377661	<u>A61M 5 /-</u>
2018234204	2017310249	2018239442	2018328569	2018290882	2017387077
<u>A22B 5 /-</u>	<u>A47K 5 /-</u>	2018259567	2018360847	2018290885	2018269711
2017355417	2017378220	2018279147	2019362576	<u>A61K 50 /-</u>	2018289404
2023200298	2018297319	2021202800	2019371825	2018259567	2021202480
<u>A22C 17 /-</u>	2019243017	2021236555	2020215849	<u>A61K 51 /-</u>	2021215164
2023200298	<u>A47L 13 /-</u>	2021369836	2020280924	2017281649	<u>A61M 8 /-</u>
<u>A23C 21 /-</u>	2021215118	<u>A61B 50 /-</u>	2020294253	<u>A61K 8 /-</u>	<u>A61N 1 /-</u>
2020294253	2021215119	2016418249	2020320997	2017425084	2017382441
<u>A23C 9 /-</u>	<u>A47L 15 /-</u>	2018311413	2020410470	2018223975	2018204842
2020294253	2018429898	<u>A61C 13 /-</u>	2021204517	<u>A61K 9 /-</u>	2018204843
<u>A47L 9 /-</u>	2019243017	2021369836	2021206820	2018269711	2020293073
2020247578	<u>A47L 9 /-</u>	<u>A61C 15 /-</u>	2021209281	2019401868	2020477267
	2020247578	2019451224	2021215136	2021269450	<u>A61N 5 /-</u>
		<u>A61C 19 /-</u>	2021225151	2021269450	2020254105
		2021369836	2021269450	2021269450	2020312643
		<u>A61C 7 /-</u>	2021323844	<u>A61L 15 /-</u>	<u>A61P 1 /-</u>
		2019310437	2022201717	2018240414	2020280924
		<u>A61C 9 /-</u>	2022201947	2018349776	<u>A61P 11 /-</u>
		2021369836	2022241559	<u>A61L 2 /-</u>	2017350732
			<u>A61K 35 /-</u>	2021232836	2020280924
			2017350732	<u>A61L 26 /-</u>	2021200137
			2018231408	2018349776	
			2018290882		
			2021200137		
			2021209255		
			2017374777		

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2017340760 2020280924	A61P 7 /-	B01L 7 /-	2021221397	B60B 25 /-	B62H 3 /-
A61P 15 /-	2021200137	2020264323	B25B 31 /-	2017344826	2020381527
2020280924 2020317321	A61P 9 /-	B05B 11 /-	2020257935	B60B 5 /-	B62J 6 /-
2017350732 2020280924 2020410470 2021200137	A61P 17 /-	2019243017	B25D 17 /-	2017344826	2018361984
A61P 19 /-	A61Q 19 /-	B05B 17 /-	B25F 5 /-	B60G 11 /-	B63B 15 /-
2018360847	2017425084 2018223975	2018240520	2021221397	2018237288	2018365074
A61P 21 /-	A63B 21 /-	B05B 7 /-	B25J 11 /-	B60G 15 /-	B63B 21 /-
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A61P 27 /-	A63C 17 /-	B05D 5 /-	B25J 9 /-	B60L 50 /-	B63G 8 /-
2020280924	2020418468	2022200173	2020247578 2023200298	2022200459	2018365074
A61P 29 /-	A63F 13 /-	B08B 17 /-	B26F 1 /-	B60P 1 /-	B63H 9 /-
2018360847	2020428058	2022200173	2018240414	2017293654	2018365074
A61P 3 /-	A63K 3 /-	B08B 7 /-	B28B 1 /-	B60Q 1 /-	B64C 39 /-
2018360847 2020294253	2018256582	2018307119	2018307119	2018361984	2020382698
A61P 31 /-	B01D 15 /-	B08B 9 /-	B28C 7 /-	B60R 11 /-	B65B 13 /-
2020280924 2020317321 2021206820	2018322795	2018274168	2018307119	2020381527	2021251739
A61P 35 /-	B01D 61 /-	B09B 3 /-	B29B 13 /-	B60R 9 /-	B65B 27 /-
2017354082 2018328569 2018360847 2019209293 2019362576 2020280924 2020317321 2020320997 2021200137 2021323844 2022241559	2020348086	2017362014	2020456574	2018201365 2020381527	2019305815
A61P 37 /-	B01F 23 /-	B22D 11 /-	B29B 9 /-	B61G 3 /-	B65D 43 /-
2018328569 2020280924	2020353550	2018380646	2020456574	2020284374	2022206825
A61P 5 /-	B01F 25 /-	B23K 15 /-	B29C 41 /-	B61L 1 /-	B65D 47 /-
2018269362 2018291024	2020353550	2018273352	2020369463	2020415250	2017204659
	B01J 19 /-	B22F 3 /-	B32B 27 /-	B61L 15 /-	B65D 63 /-
	2020353550	2018273352	2018307791	2020203322	2019305815
	B01J 19 /-	B23K 26 /-	B32B 5 /-	B61L 25 /-	2018255117
	2018291024	2017381050	2018307791	2021269349	B65D 81 /-
	B01J 23 /-	B23P 15 /-	B33Y 30 /-	B61L 27 /-	2017362014
	2018447034	2018213849	2018273352	2020415250	B65D 85 /-
	B01J 3 /-	B23P 19 /-	B33Y 50 /-	B61L 5 /-	2019305815 2021204478 2021204824
	2021204605	2018263295	2018273352	2020415250	B65F 3 /-
	B01J 37 /-	B25B 21 /-	B41F 17 /-	B61L 7 /-	2017293654
	2018447034	2021221397	2017330350	2020227791	B65G 15 /-
	B01L 3 /-		B41J 2 /-	B62D 55 /-	2018234376
	2018269362 2018291024			2018237288 2018244078	

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B65G 17 /-	C04B 26 /-	2019241702	C07K 19 /-	C12C 11 /-	2021203370
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B65G 23 /-	C04B 28 /-	2019241702	C07K 5 /-	C12C 13 /-	2018286731
2018234376	2018307119	C07D 409 /-	2018385690	2021204605	C12Q 1 /-
2020295595	C04B 7 /-	2019241702	C07K 7 /-	C12L 3 /-	2017228401
B65G 27 /-	2022246322	C07D 413 /-	2017248656	2021204605	2017240236
2020456574	C07C 231 /-	2018360847	2017345720	C12M 1 /-	2017242523
B65G 43 /-	2019248350	2019241702	2021203530	2018286731	2017246318
2020295595	C07C 237 /-	2020280924	C08F 20 /-	2021245116	2017292010
B65H 75 /-	2019248350	2021215136	2021225239	C12M 3 /-	2019403447
2019305815	C07C 29 /-	2021323844	C08G 18 /-	2018286731	2020264323
B66B 5 /-	2018447034	C07D 417 /-	2018232800	2021245116	C12R 1 /-
2020242986	C07C 303 /-	2019209293	C08L 71 /-	C12N 1 /-	2017242031
B67D 3 /-	2021225239	2019241702	2018349776	2021204089	C21D 7 /-
2018234913	C07C 31 /-	2021225151	C08L 91 /-	C12N 15 /-	2017364162
B67D 7 /-	2018447034	2021323844	2018215360	2017223821	C22B 1 /-
2018234913	C07D 211 /-	C07D 471 /-	C08L 95 /-	2017237464	2021254543
C01B 15 /-	2021305970	2018360847	2018215360	2017242031	C22B 3 /-
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<u>E01B 27 /-</u>	<u>E04D 3 /-</u>	<u>E21C 27 /-</u>	2021218183	2016428017	2018213849
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Certified Innovation Patents**Name Index**

(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

-
- (71) Metrix Group Pty Ltd
(11) AU-B-2023100005
(21) 2023100005 (22) 24.01.2023
(54) PERFORATED IMAGING WITH VARIABLE OPENINGS
(51) Int. Cl.
 B44F 1/02 (2006.01)
 B23K 26/36 (2014.01)
 B23K 26/38 (2014.01)
 B44C 3/08 (2006.01)
 B44F 7/00 (2006.01)
 G09F 13/02 (2006.01)
 G09F 13/16 (2006.01)
(45) 27.07.2023
(62) 2021221691
(72) Moyes, Phillip; Morley, Kelvin
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

2020284137 **ESCO Group LLC** (CQMS PTY LTD)
 2020284137 **ESCO Group LLC** (Metalogenia Research & Technologies S.L)

Opposition Withdrawn

2018201733 **ESCO Group LLC** (CQMS Pty Ltd)

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2021107678 2023100060 2023100061 2023100062

Assignments Registered

2003279722 Laser Band LLC The patent has been assigned to **Zebra Technologies Corporation**
 2005262508 Laser Band, LLC The patent has been assigned to **Zebra Technologies Corporation**
 2006202709 DANFOSS POWER SOLUTIONS II TECHNOLOGY A/S The patent has been assigned to **Danfoss A/S**
 2006257727 Australian Nuclear Science and Technology Organisation The patent has been assigned to **Encap Hive Pty Ltd**
 2006280450 Laser Band LLC The patent has been assigned to **Zebra Technologies Corporation**
 2007238028 Laser Band, LLC The patent has been assigned to **Zebra Technologies Corporation**
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 2008202215 Laser Band, LLC The patent has been assigned to **Zebra Technologies Corporation**
 2008260168 Laser Band LLC The patent has been assigned to **Zebra Technologies Corporation**
 2008332886 Guy's and St Thomas'NHS Foundation Trust; King's College London The patent has been assigned to **SPOTON CLINICAL DIAGNOSTICS LIMITED**

Assignments Registered

2009210594 Laser Band, LLC The patent has been assigned to **Zebra Technologies Corporation**

2009244658 Laser Band, LLC The patent has been assigned to **Zebra Technologies Corporation**

2009269684 DANFOSS POWER SOLUTIONS II TECHNOLOGY A/S The patent has been assigned to **Danfoss A/S**

2009275217 DANFOSS POWER SOLUTIONS II TECHNOLOGY A/S The patent has been assigned to **Danfoss A/S**

2009336606 DANFOSS POWER SOLUTIONS II TECHNOLOGY A/S The patent has been assigned to **Danfoss A/S**

2010240084 Mitaka Kohki Co., Ltd. The patent has been assigned to **Q'sfix CO., LTD.; Human engineering Co., Ltd.**

2011278213 Universite du Quebec a Trois-Rivieres; MCPHY ENERGY; Centre National de la Recherche Scientifique The patent has been assigned to **Universal Energy Storage Pte. Ltd.**

2011291431 Australian Nuclear Science & Technology Organisation The patent has been assigned to **Encap Hive Pty Ltd**

2011372482 Revroof Pty Ltd The patent has been assigned to **REVOLUTION BY DG PTY LTD**

2012249621 DANFOSS POWER SOLUTIONS II TECHNOLOGY A/S The patent has been assigned to **Danfoss A/S**

2013239664 DANFOSS POWER SOLUTIONS II TECHNOLOGY A/S The patent has been assigned to **Danfoss A/S**

2013257324 Selantic AS The patent has been assigned to **Cortland Industrial LLC**

2013293560 DANFOSS POWER SOLUTIONS II TECHNOLOGY A/S The patent has been assigned to **Danfoss A/S**

2013362400 KBP Biosciences Co., Ltd. The patent has been assigned to **KBP BIOSCIENCES PTE. LTD.**

2013364534 N.V. PWN Waterleidingbedrijf Noord-Holland The patent has been assigned to **PWNT Holding B.V.**

2013389697 Kesseböhmer Produktions GmbH & Co. KG The patent has been assigned to **Kesseböhmer Holding KG**

2013407407 Kessebohmer Produktions GmbH and Co. KG The patent has been assigned to **Kesseböhmer Holding KG**

2014332638 N.V. PWN Waterleidingbedrijf Noord-Holland The patent has been assigned to **PWNT Holding B.V.**

2014402126 Huawei Technologies Co., Ltd. The patent has been assigned to **Godo Kaisha IP Bridge 1**

2015224374 Medsell Pty Ltd The patent has been assigned to **Denyers Pty Ltd**

2016204870 DANFOSS POWER SOLUTIONS II TECHNOLOGY A/S The patent has been assigned to **Danfoss A/S**

2016206450 PricewaterhouseCoopers LLP The patent has been assigned to **PwC Product Sales LLC**

2016270946 Alert Innovation Inc. The patent has been assigned to **Walmart Apollo, LLC**

2016315741 Revolver 26 Investment Corporation The patent has been assigned to **Tyco Fire & Security GmbH**

Assignments Registered

2017254223 NOF Corporation; Futaba Corporation The patent has been assigned to **NOF Corporation**

2017281079 Revolver 26 Investment Corporation The patent has been assigned to **Tyco Fire & Security GmbH**

2017313068 Revolver 26 Investment Corporation The patent has been assigned to **Tyco Fire & Security GmbH**

2017329549 KBP Biosciences Co., Ltd. The patent has been assigned to **KBP BIOSCIENCES PTE. LTD.**

2018102250 Kunda Park Imports Pty Ltd The patent has been assigned to **CAPTAIN & CO GROUP PTY LTD**

2018262114 ArjoHuntleigh Magog Inc. The patent has been assigned to **Arjo IP Holding AB**

2018286434 Ries, Susan The patent has been assigned to **JVIS - USA, LLC**

2018342485 ZTE Corporation The patent has been assigned to **Godo Kaisha IP Bridge 1**

2019100656 Rail Control Systems Australia Pty Ltd The patent has been assigned to **Rail Control Systems Smart Rail Technology Pty Ltd**

2019218868 Alert Innovation Inc. The patent has been assigned to **Walmart Apollo, LLC**

2020230627 KBP Biosciences Co., Ltd. The patent has been assigned to **KBP BIOSCIENCES PTE. LTD.**

2021106767 Beijing Daxing Investment Group Co., Ltd; GAI, Zheng The patent has been assigned to **Gan, Litao; Beijing Daxing Smart City Technology Co., Ltd.**

2021204799 Rail Control Systems Australia Pty Ltd The patent has been assigned to **Rail Control Systems Smart Rail Technology Pty Ltd**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Extensions granted

The following application(s) for Extension of Term have been granted under Section 76.

2009307677 **Alnylam Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 21 Nov 2022

For the goods ONPATTRO patisiran

Extension of Term of patent pursuant to Section 77 expires on 20 Oct 2034

Corrigenda

In Vol 34 , No 47 , Page(s) 6740 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Chr. Hansen HMO GmbH., Application No. 2019264788, under INID (54) correct the title to read A simple method for the purification of lacto-N-Neotetraose (LNnT) From Carbohydrates Obtained By Microbial Fermentation

In Vol 57 , No 25 , Page(s) 3628 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name FMC Corporation, Application No. 2021410685, under INID (71) correct the applicant name to FMC Corporation

Corrigenda

In Vol 57 , No 26 , Page(s) 3890 under the heading **Applications Accepted - Name Index** Under the name Chr. Hansen HMO GmbH., Application No. 2019264788, under INID (54) correct the title to read A simple method for the purification of lacto-N-Neotetraose (LNnT) From Carbohydrates Obtained By Microbial Fermentation

In Vol 57 , No 27 , Page(s) 3955 under the heading **Amendments - Application for Amendments** Under the name Interit Pty Ltd, Patent No. 2016222479 correct the date of the statements filed to read 05 Aug 2022; 24 Jan 2023 and 29 May 2023

In Vol 57 , No 28 , Page(s) 4195 under the heading **Applications Accepted - Name Index** Delete all reference to 2020241910.

Specifications Republished

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

2017219144	Deere & Company
2018249598	Tranquillo, R.; Syedain, Z.
2018302834	Yuyama MFG. Co., Ltd.
2019333309	Formulated Solutions, LLC
2021208299	thyssenkrupp Industrial Solutions AG; thyssenkrupp AG
2021267859	CaaMTech, Inc.
2021395441	CAMBRIDGE ENTERPRISE LIMITED