



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

Freedom of Information ACT

Professional Standards Board

Sales

Requests for Information under Section 194 (c)

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 -

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 18 May 2023

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Jason Bayley [2023] APO 25

Patent Application: 2016431877

Title: Method and system for preserving and processing vehicle crash data evidence

Applicant: Jason Bayley

Delegate: Dr N. R. Madsen – Deputy Commissioner of Patents

Decision Date: 9 May 2023

Hearing Date: Written submissions filed 7 March 2023 and 5 April 2023

Catchwords: **PATENTS** – section 45 – examiner’s objection – extracting and sharing crash data from a vehicle – invention in substance directed to a mere scheme – alleged invention not a manner of manufacture – application refused

Representation: Patent attorney for the applicant: Wallington-Dummer

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 18 May 2023

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

CQMS Pty Ltd v ESCO Group LLC [2023] APO 26

Patent Application: 2018201710 & 2018201735

Title: Wear part monitoring; Wear part monitoring

Patent Applicant: ESCO Group LLC

Opponent: CQMS Pty Ltd

Delegate: Dr W.E. Guinea

Decision Date: 9 May 2023

Hearing Date: both 20 January 2022, by written submissions

Catchwords: **PATENTS** – evidence in reply – whether evidence in reply properly in reply – no evidence in reply clearly not properly in reply – costs awarded against Applicant

Representation: Counsel for the applicant: Tom Cordiner KC
Patent Attorney for the applicant: MinterEllison
Patent Attorney for the opponent: James & Wells

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 18 May 2023

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Block, Inc. [2023] APO 27

Patent Application: 2021200597

Title: Processing a mobile payload

Patent Applicant: Block, Inc.

Delegate: Greg Powell

Decision Date: 10 May 2023

Hearing Date: Written submissions filed on 5 April 2023

Catchwords: **PATENTS** – examiner objections – clarity – inventive step – manner of manufacture – amended claims overcome examiner’s clarity objection but remain unclear – amended claims overcome examiner’s inventive step objection – claims are not directed to a manner of manufacture – no patentable subject matter identified in the specification – application refused

Representation: Patent attorney for the applicant: FB Rice Pty Ltd

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 2 May 2023 .

(71) Agriculture Victoria Services Pty Ltd (21) 2023901342 (22) 04.05.2023 (54) ANGIOGENIN EXPRESSION IN SAF-FLOWER PLANTS	(71) Boldzone Pty Ltd (21) 2023901318 (22) 03.05.2023 (54) A golf conveyance	(71) Children's Medical Research Institute (21) 2023901353 (22) 05.05.2023 (54) Methods of treating ALT-dependent cancers
Allen, J. see Hale, B. (21) 2023901358	(71) Boudhik Ventures Pty Ltd (21) 2023901316 (22) 03.05.2023 (54) SYSTEMS AND METHODS FOR OPTIMISING ELECTRIC VEHICLE CHARGING INFRASTRUCTURE	(71) CN Tech (21) 2023901390 (22) 08.05.2023 (54) Pile Extractor for removing driven metal piles
(71) ARB Corporation Ltd (21) 2023901319 (22) 03.05.2023 (54) Housing for a Winch Ring	(71) Bryant, S. (21) 2023901337 (22) 04.05.2023 (54) A power generation system for a hot water heater	(71) Coman, P. (21) 2023901329 (22) 04.05.2023 (54) A CABLE WEIGHT
(71) AUS INTERCAR PTY LTD trading as "aka studio" (21) 2023901367 (22) 06.05.2023 (54) AI MARKETER 360	(71) Buckle, A.; King, P. (21) 2023901357 (22) 05.05.2023 (54) Novel Therapeutic Polypeptide	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2023901334 (22) 04.05.2023 (54) Vehicle navigation
(71) Austrak Pty Ltd (21) 2023901328 (22) 04.05.2023 (54) Structural member and method of producing a structural member	Budelmann, V. see Hale, B. (21) 2023901358	(71) Contemporaneo Pty Ltd (21) 2023901292 (22) 02.05.2023 (54) COMPOSTABLE BAG
(71) Australian Garlic Producers Pty Ltd (21) 2023901346 (22) 04.05.2023 (54) Production method	(71) Buggy, K. (21) 2023901340 (22) 04.05.2023 (54) An augmented virtual item placement system	(71) Cumpson, P. (21) 2023901281 (22) 01.05.2023 (54) Sample Mounting Method and Apparatus
(71) Bare Necessities Trust (21) 2023901291 (22) 02.05.2023 (54) Subsea Combustion Generator	(71) Campbell, D. (21) 2023901370 (22) 07.05.2023 (54) Adjustable Flat Ground Travisher and Spokeshave	(71) Cumpson, P. (21) 2023901368 (22) 06.05.2023 (54) DEVICE ELIMINATING SPURIOUS REFLECTIONS IN OPTICAL IMAGING
(71) Beaumont, J. (21) 2023901393 (22) 09.05.2023 (54) An electronic device facial distance detection and control system for management of myopia progression	(71) Carideo, A. (21) 2023901309 (22) 03.05.2023 (54) Wind Turbine	(71) Deanna Maree Andersen (21) 2023901333 (22) 04.05.2023 (54) Secondary drive for a mine ventilation device
(71) Behnam, Z. (21) 2023901371 (22) 07.05.2023 (54) Firefighting System	Celani, G. see Greco, B. (21) 2023901348	

Provisional Applications Filed - Name Index cont'd

(71) Dovey, C.
(21) 2023901288 (22) 02.05.2023
(54) AN ELECTRIC MOTOR SWITCHING APPARATUS AND METHOD AND USE THEREOF

(71) durack, m.
(21) 2023901282 (22) 01.05.2023
(54) High speed electric vehicle motor using ferrite magnets

(71) Everyday IP Pty Ltd
(21) 2023901305 (22) 02.05.2023
(54) LASER TARGET FOR USE WITH A LASER LEVEL

(71) EXPERT REPORT PTY LTD
(21) 2023901313 (22) 03.05.2023
(54) IMPACT ATTENUATION DEVICE TO PREVENT SPINAL INJURY IN SWIMMING POOLS

(71) Fahy, A.
(21) 2023901314 (22) 03.05.2023
(54) Improved Razor

(71) Field Orthopaedics Pty Ltd
(21) 2023901361 (22) 05.05.2023
(54) SURGICAL IMPLANT ASSEMBLY

Firth, P. see Firth, M.
(21) 2023901235

(71) Firth, M.; Firth, P.
(21) 2023901235 (22) 26.04.2023
(54) Temperature Monitor for Rechargeable Batteries

Florey Institute of Neuroscience and Mental Health see The University of Melbourne
(21) 2023901359

(71) Fortitude Essentials Pty Ltd
(21) 2023901385 (22) 08.05.2023
(54) Mobile Healthcare Facility

(71) fraser, I.
(21) 2023901324 (22) 03.05.2023
(54) Biodegradable Cable tie

(71) FST INNOVATION PTY LTD
(21) 2023901312 (22) 03.05.2023
(54) FIRE SPRINKLER AND FIRE SPRINKLER SYSTEM TESTING DEVICE, METHOD AND SYSTEM

(71) GRAFOX PTY. LTD.
(21) 2023901322 (22) 03.05.2023
(54) Flushable and dissolvable Polyvinyl Alcohol (PVA) based dissolvable wipes.

(71) Greco, B.; Young, J.; Celani, G.
(21) 2023901348 (22) 04.05.2023
(54) An electronic communication system

(71) Greenslade, D.
(21) 2023901332 (22) 04.05.2023
(54) APPARATUS FOR GENERATING ENERGY FROM A WAVE

(71) GSA Innovation PTY Ltd
(21) 2023901351 (22) 05.05.2023
(54) PROCESS AND COMPOSITION FOR BIOPOLYMER COMPOSITE

(71) Guina ePropulsion Pty Ltd
(21) 2023901378 (22) 08.05.2023
(54) ELECTROMAGNETIC PROPULSION SYSTEM

(71) Hale, B.; van den Boom, R.A.C.M.; Allen, J.; Budelmann, V.; O'Brien, R.; Monigatti, P.

(21) 2023901358 (22) 05.05.2023
(54) SYSTEM, DEVICE AND METHOD FOR CONFIGURING CIRCUIT PROTECTION DEVICE(S)

(71) Hanes Innerwear Australia Pty Ltd
(21) 2023901301 (22) 02.05.2023
(54) Absorbent garment

(71) Hudson Institute of Medical Research; Monash University; Monash Health
(21) 2023901341 (22) 04.05.2023
(54) Method of Treatment

(71) Hydrogen Systems Australia Pty Ltd
(21) 2023901323 (22) 03.05.2023
(54) Methods and apparatus for producing hydrogen

(71) Imdex Technologies Pty Ltd
(21) 2023901386 (22) 08.05.2023
(54) Method and system for verifying a borehole measurement device

(71) Imtrade Australia Pty Ltd
(21) 2023901344 (22) 04.05.2023
(54) Pesticide formulation comprising Bifenthrin

(71) Imtrade Australia Pty Ltd
(21) 2023901356 (22) 05.05.2023
(54) Pesticide formulation

(71) Imtrade Australia Pty Ltd
(21) 2023901362 (22) 05.05.2023
(54) Butafenacil formulation

(71) InfraBuild Wire Pty Limited
(21) 2023901388 (22) 08.05.2023
(54) Electrical Offsets for Insulators

(71) InhaleRx Ltd
(21) 2023901366 (22) 05.05.2023
(54) Treatment of complex regional pain syndrome

(71) Inter Earth Pty Ltd
(21) 2023901354 (22) 05.05.2023
(54) A SYSTEM AND METHOD FOR BIOMASS CARBON DIOXIDE SEQUESTRATION

(71) iRPM Pty Ltd
(21) 2023901304 (22) 02.05.2023
(54) A Method Of Predicting Hydrocarbon Reservoir Properties In A Three Dimensional Model Of A Seismic Volume

(71) Jeffery, C.
(21) 2023901303 (22) 02.05.2023
(54) ENVIRONMENTALLY FRIENDLY CIGARETTE FILTER AND CIGARETTE

(71) JGB Innovations Pty Ltd
(21) 2023901355 (22) 05.05.2023
(54) Solid waste remediation process

Johnston, S. see Ripsher, C.
(21) 2023901295

(71) Jusand Nominees Pty Ltd
(21) 2023901330 (22) 04.05.2023
(54) SYSTEM AND METHOD OF FORMING A BLASTING VOID AND ASSOCIATED MINING METHOD

King, P. see Buckle, A.
(21) 2023901357

(71) Leonard, E.
(21) 2023901339 (22) 04.05.2023
(54) Support Structure and Method of Forming a Support Structure

(71) Lincoln Agritech Limited
(21) 2023901306 (22) 02.05.2023
(54) Metamaterial systems, assemblies and methods

Provisional Applications Filed - Name Index cont'd

(71) Macquarie University
(21) 2023901296 (22) 02.05.2023
(54) Laser Ablation

(71) Mammoliti, S.
(21) 2023901240 (22) 26.04.2023
(54) An automated process for business intelligence, reporting, and workflows for a cloud-based technology platform

(71) Manuel, H.
(21) 2023901321 (22) 03.05.2023
(54) A perpetual motion wind/magnet invention, supplying free power.

(71) Mesoblast International Sarl
(21) 2023901384 (22) 08.05.2023
(54) Apparatus and method for labelling vials

(71) Millie & More Pty Ltd
(21) 2023901392 (22) 08.05.2023
(54) Absorbent pads

(71) MineARC Systems Pty Ltd
(21) 2023901307 (22) 02.05.2023
(54) Debris clearance system and method

(71) Mint Innovation Limited
(21) 2023901375 (22) 08.05.2023
(54) Process for Recovering Metal from Feedstocks

Monash Health see Hudson Institute of Medical Research
(21) 2023901341

(71) Monash University; The Walter and Eliza Hall Institute of Medical Research
(21) 2023901311 (22) 03.05.2023
(54) Structurally constrained antibodies

(71) Monash University
(21) 2023901320 (22) 03.05.2023
(54) NAMPT fusion proteins

Monash University see Hudson Institute of Medical Research
(21) 2023901341

Monigatti, P. see Hale, B.
(21) 2023901358

(71) MRIME PTY LTD.
(21) 2023901294 (22) 02.05.2023
(54) A SYSTEM FOR REAL TIME MONITORING OF STRUCTURAL INJURY IN THE BRAIN

(71) Multibar Pty Ltd
(21) 2023901293 (22) 02.05.2023
(54) Wheelbarrow tow attachment

(71) NewSouth Innovations Pty Limited
(21) 2023901389 (22) 08.05.2023
(54) Plasmonic nanoantenna and use of same in single molecule sequencing

(71) Nuede Essentials
(21) 2023901325 (22) 03.05.2023
(54) Adhesive Fashion Sheet

O'Brien, R. see Hale, B.
(21) 2023901358

(71) Phaslo Global Pty Ltd
(21) 2023901381 (22) 08.05.2023
(54) IMPROVED PALLET SHIPPER

(71) Practon Power Equipment Pty Ltd
(21) 2023901349 (22) 04.05.2023
(54) Electric testing system

(71) Radar Glazing Solutions
(21) 2023901369 (22) 06.05.2023
(54) Commercial Tripple Point Door Lock, Mechanical & Electrical

(71) RAGE Biotech Pty Ltd
(21) 2023901363 (22) 05.05.2023
(54) Methods of monitoring splicing

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(71) Ratahi, T.
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(71) ResMed Pty Ltd
(21) 2023901327 (22) 04.05.2023
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(71) Rhino Rack Australia Pty Limited
(21) 2023901352 (22) 05.05.2023
(54) A LOAD CARRYING PLATFORM FOR A VEHICLE

(71) Ripsher, C.; Johnston, S.
(21) 2023901295 (22) 02.05.2023
(54) A search engine with the ability to eliminate/highlight products with specific ingredients as queried by a specific search term.

(71) ROCK INDUSTRY PTY LTD
(21) 2023901336 (22) 04.05.2023
(54) METHOD AND APPARATUS FOR GRADING AND CRUSHING MATERIAL SUBSTANTIALLY OF RECOVERED GLASS

(71) Schneider Electric (Australia) Pty Limited
(21) 2023901383 (22) 08.05.2023
(54) DIMMER CIRCUIT IMPROVEMENT

(71) Scolaro, A.
(21) 2023901391 (22) 08.05.2023
(54) A Clean Energy Power Drive

(71) Sharma, J.
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(54) SYSTEMS AND METHODS FOR CONDUCTING PAYMENT TRANSACTIONS USING CRYPTOCURRENCIES

(71) SMARTIZER PTY LTD
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(71) Smart Streetlights Pty Ltd
(21) 2023901372 (22) 07.05.2023
(54) SYSTEM AND METHOD FOR CREATING A DIGITAL TWIN AND USER APPLICATION TO OPTIMISE AND MANAGE SMART STREET LIGHTING SYSTEM

(71) Soapery Pty Ltd
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(71) Southern Green Gas Limited
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(54) A Carbon Dioxide Refilling Appliance

(71) STELLING, E.
(21) 2023901360 (22) 05.05.2023
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(71) STERIBRIGHT HOLDINGS PTY LTD
(21) 2023901315 (22) 03.05.2023
(54) INDOOR UNIT FOR AN AIR PURIFIER

(71) The Council of the Queensland Institute
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(21) 2023901317 (22) 03.05.2023
(54) GLYCOPROTEIN BIOMARKERS FOR
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(71) The Lock & Handle Pty Ltd
(21) 2023901308 (22) 02.05.2023
(54) DOOR HANDLE ASSEMBLY

(71) The University of Melbourne; Florey
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(21) 2023901359 (22) 05.05.2023
(54) Fluidic apparatus

(71) The University of Newcastle
(21) 2023901338 (22) 04.05.2023
(54) Treatment of Inflammatory Bowel Dis-
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(71) The University of Queensland
(21) 2023901345 (22) 04.05.2023
(54) A Trichomoniasis Vaccine

(71) The University of Sydney
(21) 2023901382 (22) 08.05.2023
(54) Portable detection system for detecting
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(21) 2023901311

(71) Toy, C.
(21) 2023901289 (22) 02.05.2023
(54) A MODULAR WATER FILTRATION
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(71) UBIQ Technology Pty Ltd
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(54) THE USE OF PERMANENT FORM-
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(71) UBIQ Technology Pty Ltd
(21) 2023901298 (22) 02.05.2023
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(71) UBIQ Technology Pty Ltd
(21) 2023901299 (22) 02.05.2023
(54) HYBRID MAGNESIUM CEMENT

(71) UBIQ Technology Pty Ltd
(21) 2023901300 (22) 02.05.2023
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(71) Vypex Pty Ltd
(21) 2023901347 (22) 04.05.2023
(54) Devices and methods for object loca-
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(71) Wang, H.
(21) 2023901326 (22) 04.05.2023
(54) A method of building Artificial Intelli-
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(71) WarriorTec Pty Ltd
(21) 2023901350 (22) 05.05.2023
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(71) Welcome Receptor Antibodies Pty Ltd
(21) 2023901335 (22) 04.05.2023
(54) Anti-NPY-Y1 antibodies and uses
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(71) Woolcott, B.E.
(21) 2023901302 (22) 02.05.2023
(54) A CHASSIS CLEANER FOR A
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(71) Worthdown Pty Ltd atf Ausrica C Trust
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Applications listed below were processed through the Patent Office Canberra during the period ending 2 May 2023 .

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

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(21) 2023202693 (22) 02.05.2023
(54) DEVICE, SYSTEM AND METHOD FOR SORTING OF LAUNDERED ITEMS

(71) Astrocyte Pharmaceuticals, Inc.; The Board Of Regents Of The University Of Texas System; The United States of America, as Represented by th
(21) 2023202694 (22) 02.05.2023
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(62) 2017254720

(71) Azad, P.
(21) 2023202792 (22) 04.05.2023
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(71) Baumgartner, D.
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(71) Becton, Dickinson and Company
(21) 2023202747 (22) 03.05.2023
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(71) Beijing Tusen Zhitu Technology Co., Ltd.
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(54) System and method for transmitting data between a plurality of modules
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(71) Beyond Capital LP
(21) 2023202817 (22) 05.05.2023
(54) IMPROVEMENTS IN AND RELATING TO COMPOSITIONS, METHODS AND USES, FOR: ALLEVIATING CONDITIONS CAUSED BY, OR RELATED TO, CHRONIC INFLAMMATION; AND/OR REDUCING CHRONIC INFLAMMATION
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(71) Blackhawk Network, Inc.
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(71) Bodor Laboratories, Inc.
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(71) Boston Scientific Scimed, Inc.
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(71) BT Engineering Group Pty Ltd
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(71) Canon Kabushiki Kaisha
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(71) Capital One Services, LLC
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(71) Capital One Services, LLC
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(71) CATERPILLAR INC.
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(54) BATTERY CONSUMPTION SIMULATION OF A MACHINE BASED ON FUEL BURN DATA OF THE MACHINE
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(71) CATERPILLAR INC.
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(71) CCTEG CHINA COAL RESEARCH INSTITUTE
(21) 2023202864 (22) 09.05.2023
(54) MULTI-SOURCE INFORMATION FUSION INTELLIGENT WARNING METHOD AND APPARATUS FOR COAL AND GAS OUTBURST
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(71) Celistra Pharmaceuticals LLC
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(54) TESTOSTERONE TRANSDERMAL SPRAY WITH FILM
(62) 2019206552

(71) CFPH, LLC
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(62) 2021201411

(71) Chevron U.S.A. Inc.
(21) 2023202835 (22) 08.05.2023
(54) Process, method and system for removing heavy metals from fluids
(62) 2021202101

(71) Children's Hospital & Research Center at Oakland
(21) 2023202808 (22) 05.05.2023
(54) Rapid extraction of nucleic acids from clinical samples for downstream applications
(62) 2017261283

(71) City of Hope
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(62) 2020203550

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(62) 2017246493

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(71) Coulter Ventures, LLC
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(71) Coulter Ventures LLC
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(71) Cypher Medical LLC
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(54) Tool bar down lighting on agricultural implement
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(71) Dexcom, Inc.
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(71) Durect Corporation; Santen Pharmaceutical Co., Ltd.
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(62) 2017356192

(71) E Ink Corporation
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(71) Eli Lilly and Company
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(71) Fate Therapeutics, Inc.
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(71) Fiber Sense Limited
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(71) Fisher & Paykel Healthcare Limited
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(71) FutureFeed Pty Ltd
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(71) Gaylard, C.
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(31) 17/747,675 (32) 18.05.22 (33) US

(71) Illinois Tool Works Inc.
(21) 2023202748 (22) 03.05.2023
(54) Drive-in tool with improved safety device
(62) 2021215239

(71) Intuit Inc.
(21) 2023202812 (22) 05.05.2023

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(54) Framework for transaction categorization personalization
(62) 2021202845

(71) iQuip Group Pty Ltd
(21) 2023202847 (22) 08.05.2023
(54) Improved Paint Roller Sleeve

(71) Itron, Inc.
(21) 2023202811 (22) 05.05.2023
(54) Secured authorization for demand response
(31) 17/743,308 (32) 12.05.22 (33) US

(71) Itron, Inc.
(21) 2023202850 (22) 08.05.2023
(54) Input overvoltage protection
(31) 17/853,049 (32) 29.06.22 (33) US

(71) Janssen Pharmaceutica NV; Gottardis, M.
(21) 2023202813 (22) 05.05.2023
(54) Methods of treating prostate cancer
(62) 2017302660

Jean Campbell see OncoSec Medical Incorporated
(21) 2023202722

(71) Jost-Werke Deutschland GmbH
(21) 2023202711 (22) 02.05.2023
(54) Fifth wheel coupling system, tractor vehicle, and tractor-semitrailer combination
(31) 10 2022 111 393.0 (32) 06.05.22 (33) DE

(71) Joy Global Underground Mining LLC
(21) 2023202691 (22) 02.05.2023
(54) Coupling between a steerable wheel and a housing in a vehicle wheel unit
(31) 17/827,103 (32) 27.05.22 (33) US

(71) Joy Global Underground Mining LLC
(21) 2023202741 (22) 03.05.2023
(54) Chain conveyor
(62) 2018231176

(71) Kimberly-Clark Worldwide, Inc.
(21) 2023202720 (22) 02.05.2023
(54) Foam-formed fibrous sheets with crimped staple fibers
(62) 2017410902

(71) Kymab Limited
(21) 2023202777 (22) 04.05.2023
(54) Anti-PD-L1 antibodies
(62) 2017281830

(71) Lam, T.T.
(21) 2023202842 (22) 08.05.2023

(54) FLOATING PLATFORM BASED WAVE ENERGY SYSTEM
(31) 2023900669 (32) 13.03.23 (33) AU

Les Laboratoires Servier see Novartis AG
(21) 2023202746

(71) LG Electronics Inc.
(21) 2023202861 (22) 08.05.2023
(54) Ice maker and refrigerator
(62) 2019378528

(71) Lin, C.
(21) 2023202798 (22) 04.05.2023
(54) METHOD FOR CAPTURING CARBON DIOXIDE AND NITROGEN OXIDES IN FLUE GAS AND CONVERSION THEREOF TO CARBON SOURCE AND NITROGEN SOURCE NEEDED FOR ALGAE GROWTH
(31) 111150464 (32) 28.12.22 (33) TW

(71) Live Nation Entertainment, Inc.
(21) 2023202837 (22) 08.05.2023
(54) SYSTEMS AND METHODS FOR SHORT-RANGE COMMUNICATION BETWEEN DEVICES
(62) 2017289252

(71) Medline Industries, LP
(21) 2023202692 (22) 02.05.2023
(54) Method and system for harvesting biological tissue
(62) 2021202088

(71) MELOOR PTY LTD
(21) 2023202776 (22) 04.05.2023
(54) METHOD FOR RECYCLING PAINT COATED PLASTIC WASTE

(71) Menezes, A.
(21) 2023202825 (22) 05.05.2023
(54) Exercise Device

(71) Mesoblast, Inc.
(21) 2023202819 (22) 05.05.2023
(54) Method of treating graft versus host disease
(62) 2020204056

(71) MFTB Holdco, Inc.
(21) 2023202740 (22) 03.05.2023
(54) Automated determination of acquisition locations of acquired building images based on identified surrounding objects
(31) 17/962,299 (32) 07.10.22 (33) US

(71) Microport Orthopedics Holdings Inc.; Steensen Orthopedic Systems, LLC
(21) 2023202862 (22) 08.05.2023

(54) TIBIAL DUAL STYLUS INSTRUMENT HAVING WIDE CONVEX STYLUS TIPS AND COMPONENTS THEREOF
(31) 18/307,208 (32) 26.04.23 (33) US
63/344,113 20.05.22 US

(71) MORSE MICRO PTY. LTD.
(21) 2023202743 (22) 03.05.2023
(54) Wireless communication methods and devices for narrowband interference management
(31) 2022901788 (32) 27.06.22 (33) AU

(71) Murfitts Industries Ltd; Pintat, B.; 11i Consulting GmbH
(21) 2023202696 (22) 02.05.2023
(54) ARTIFICIAL TURF INFILL AND ARTIFICIAL TURF
(62) 2019398780

(71) Nexus Spine, LLC
(21) 2023202771 (22) 03.05.2023
(54) Methods for developing porous implants of optimal properties
(62) 2020232858

(71) Ningbo Lianda Winch Co., Ltd.
(21) 2023202702 (22) 02.05.2023
(54) INTELLIGENT CONTROL SYSTEM FOR WINCH MOTOR
(31) 202223133005.0 (32) 24.11.22 (33) CN

(71) Nitto Denko Corporation
(21) 2023202793 (22) 04.05.2023
(54) Fusogenic compounds for delivery of biologically active molecules
(62) 2018359904

(71) Nokia Solutions and Networks Oy
(21) 2023202768 (22) 03.05.2023
(54) Emergency voice service support indications
(62) 2018314933

(71) Nokia Technologies Oy
(21) 2023202706 (22) 02.05.2023
(54) Privacy indicators for controlling authentication requests
(62) 2018261590

(71) Novartis AG; Les Laboratoires Servier
(21) 2023202746 (22) 03.05.2023
(54) Combination of a BCL-2 inhibitor and a MCL-1 inhibitor, uses and pharmaceutical compositions thereof
(62) 2017300738

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(21) 2023202838

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(71) Nthalmic Holding Pty Ltd
(21) 2023202744 (22) 03.05.2023
(54) Contact lens apparatus for myopia management
(62) 2021230409

(71) NuVasive, Inc.
(21) 2023202764 (22) 03.05.2023
(54) SYSTEMS AND METHODS FOR FACILITATING SPINE SURGERY
(62) 2021286300

(71) Ohly GmbH
(21) 2023202770 (22) 03.05.2023
(54) Functional yeast protein concentrate
(62) 2019408401

(71) Okumara Co., Ltd.; The Jikei University
(21) 2023202699 (22) 02.05.2023
(54) Detachable multi-ring traction device
(62) 2019455874

(71) Oldnall, C.
(21) 2023202849 (22) 08.05.2023
(54) Liner Bolt
(31) 2022901279 (32) 13.05.22 (33) AU

(71) OncoSec Medical Incorporated; Jean Campbell; David A. Canton
(21) 2023202722 (22) 02.05.2023
(54) Plasmid constructs for heterologous protein expression and methods of use
(62) 2016369608

(71) Opec Remediation Technologies Pty Limited
(21) 2023202735 (22) 02.05.2023
(54) Method and apparatus for separation of a substance from groundwater
(62) 2017276819

(71) Opec Remediation Technologies Pty Limited
(21) 2023202737 (22) 02.05.2023
(54) Method and apparatus for separation of a substance from groundwater
(62) 2017276819

(71) Opec Remediation Technologies Pty Limited
(21) 2023202738 (22) 02.05.2023
(54) Apparatus for separation of a substance from groundwater
(62) 2017276819

(71) Opiant Pharmaceuticals, Inc.
(21) 2023202752 (22) 03.05.2023
(54) COMPOSITIONS AND METHODS FOR TREATING ACUTE CANNABINOID OVERDOSE WITH A CANNABINOID RECEPTOR ANTAGONIST
(62) 2019391109

(71) Oren Technologies, LLC
(21) 2023202763 (22) 03.05.2023
(54) System of delivering and storing proppant for use at a well site and container for such proppant
(62) 2021203262

(71) Paloma Co., Ltd.
(21) 2023202856 (22) 08.05.2023
(54) Water heater
(31) 2022-077169 (32) 09.05.22 (33) JP

(71) Panasonic Intellectual Property Corporation of America
(21) 2023202734 (22) 02.05.2023
(54) IMAGE ENCODER, IMAGE DECODER, IMAGE ENCODING METHOD, AND IMAGE DECODING METHOD
(62) 2018320382

(71) Peking University; Beijing LongRuan Technologies, Inc.
(21) 2023202859 (22) 08.05.2023
(54) Method And Apparatus For Constructing Real-Geographic-Space Scene In Real Time
(31) 202210499659.0 (32) 09.05.22 (33) CN

Perry, K. see PINNACLE SCIENCE LABORATORIES (AUSTRALIA) PTY. LTD.
(21) 2023201813

(71) PINNACLE SCIENCE LABORATORIES (AUSTRALIA) PTY. LTD.; Perry, K.
(21) 2023201813 (22) 23.03.2023
(54) 1250ML Square Bottle
(31) 137006 (32) 22.09.21 (33) VN

Pintat, B. see Murfitts Industries Ltd
(21) 2023202696

(71) PolarityTE, Inc.
(21) 2023202857 (22) 08.05.2023
(54) Methods for development and use of minimally polarized function cell micro-aggregate units in tissue applications using LGR4, LGR5 and LGR6 expressing epithelial stem cells
(62) 2019240603

(71) President and Fellows of Harvard College
(21) 2023202795 (22) 04.05.2023
(54) Method and apparatus for volumetric imaging of a three-dimensional nucleic acid containing matrix
(62) 2016349288

(71) ProKidney
(21) 2023202707 (22) 02.05.2023
(54) Bioactive renal cells
(62) 2020203727

(71) Prysmian S.p.A.
(21) 2023202822 (22) 05.05.2023
(54) Hybrid drop cable
(31) 102022000009440 (32) 09.05.22 (33) IT

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(21) 2023202704

(71) Quantum-Si Incorporated
(21) 2023202821 (22) 05.05.2023
(54) Integrated photodetector with direct binning pixel
(62) 2017382316

(71) Regeneron Pharmaceuticals, Inc.
(21) 2023202781 (22) 04.05.2023
(54) COMMON LIGHT CHAIN MOUSE
(62) 2020260398

(71) Regeneron Pharmaceuticals, Inc.
(21) 2023202783 (22) 04.05.2023
(54) MICE EXPRESSING A LIMITED IMMUNOGLOBULIN LIGHT CHAIN REPERTOIRE
(62) 2020203238

(71) Regeneron Pharmaceuticals, Inc.
(21) 2023202820 (22) 05.05.2023
(54) SYSTEM AND METHOD FOR CHARACTERIZING PROTEIN DIMERIZATION
(62) 2019215125

(71) Reliance Worldwide Corporation (Aust.) Pty. Ltd.
(21) 2023202852 (22) 08.05.2023
(54) A connector
(62) 2016427019

(71) Ritmo S.P.A.
(21) 2023202828 (22) 05.05.2023
(54) CONTAINER FOR HEATING PLATES FOR BUTT WELDING PIPES
(31) 102022000009908 (32) 13.05.22 (33) IT

(71) Rondo Building Services Pty Limited
(21) 2023202726 (22) 02.05.2023
(54) A frame member
(62) 2017201632

(71) Safeguard Biosystems Holdings Ltd.
(21) 2023202816 (22) 05.05.2023
(54) Three-dimensional polymer networks with channels situated therein
(62) 2016369417

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(21) 2023202823

(71) Schneider Electric USA, Inc.

(21) 2023202802 (22) 04.05.2023

(54) Differential current sensing bussing method

(62) 2018211266

(71) Second Genome, Inc.

(21) 2023202844 (22) 08.05.2023

(54) Proteins for the treatment of epithelial barrier function disorders

(62) 2018248324

(71) Seminis Vegetable Seeds, Inc.

(21) 2023202701 (22) 02.05.2023

(54) DISEASE RESISTANCE LOCI IN ONION

(62) 2021202284

(71) Service Stream Maintenance Pty Ltd

(21) 2023202769 (22) 03.05.2023

(54) Safety system

(71) Shandong University of Science and Technology

(21) 2023202719 (22) 02.05.2023

(54) STATUS PERCEPTION DESCRIPTION METHOD FOR HYDRAULIC SUPPORT BASE GROUP ON WORKING FACE

(31) 202211107584.3 (32) 13.09.22 (33) CN

(71) Shandong University of Science and Technology

(21) 2023202729 (22) 02.05.2023

(54) COORDINATED ACTION CONTROL METHOD FOR COAL MINING MACHINE AND SIDE PROTECTION PLATE

(31) 202211136930.0 (32) 19.09.22 (33) CN

(71) SIEMAG TECBERG GmbH

(21) 2023202809 (22) 05.05.2023

(54) BRAKE SYSTEM FOR USE IN SHAFT AND INCLINED CONVEYOR SYSTEMS

(31) LU102951 (32) 10.05.22 (33) LU

(71) SpineLine Golf Pty Ltd

(21) 2023202773 (22) 03.05.2023

(54) A golf training apparatus

(31) 2022901153 (32) 03.05.22 (33) AU PCT/ 02.03.22 WO AU2022/050168

Steensen Orthopedic Systems, LLC see

Microport Orthopedics Holdings Inc.

(21) 2023202862

(71) Streben Pty Ltd; Bolwell, F.

(21) 2023202818 (22) 05.05.2023

(54) A MILK TEXTURING AND DISPENSING ASSEMBLY

(31) 2022901196 (32) 05.05.22 (33) AU

(71) SU, C.

(21) 2023202832 (22) 06.05.2023

(54) AUTOMATIC SPEED REDUCING WHEEL

(31) 111126252 (32) 13.07.22 (33) TW

(71) Techtronic Cordless GP

(21) 2023202727 (22) 02.05.2023

(54) Wall-mountable storage system

(31) 63/338,319 (32) 04.05.22 (33) US

(71) Telefonaktiebolaget LM Ericsson (publ)

(21) 2023202759 (22) 03.05.2023

(54) Methods and apparatuses for handling beam failure

(62) 2021202690

(71) Tencent America LLC

(21) 2023202725 (22) 02.05.2023

(54) Method for picture output with output layer set

(62) 2020426060

(71) Tencent America LLC

(21) 2023202732 (22) 02.05.2023

(54) Method and apparatus for video coding

(62) 2021207452

(71) Tencent America LLC

(21) 2023202827 (22) 05.05.2023

(54) METHOD AND APPARATUS FOR IMPROVED IMPLICIT TRANSFORM SELECTION

(62) 2020286361

(71) Terra Quantum AG

(21) 2023202829 (22) 05.05.2023

(54) A QUANTUM KEY DISTRIBUTION DEVICE AND METHOD SUITABLE FOR ESTABLISHING A GLOBAL QUANTUM KEY DISTRIBUTION NETWORK

(31) 22186505.8 (32) 22.07.22 (33) DE

The Board Of Regents Of The University Of Texas System see Astrocyte Pharmaceuticals, Inc.

(21) 2023202694

(71) The Board of Trustees of the Leland Stanford Junior University; Emory University

(21) 2023202690 (22) 02.05.2023

(54) Circular RNAs and their use in immunomodulation

(62) 2017280943

(71) The Brigham and Women's Hospital, Inc.

(21) 2023202853 (22) 08.05.2023

(54) System and method for protein corona sensor array for early detection of diseases

(62) 2017375496

(71) The Coca-Cola Company

(21) 2023202698 (22) 02.05.2023

(54) Sweetness and taste improvement of steviol glycoside or mogroside sweeteners with flavonoids

(62) 2017241771

The Jikei University see Okumara Co., Ltd.

(21) 2023202699

(71) The Johns Hopkins University; BioMed Valley Discoveries, Inc.

(21) 2023202788 (22) 04.05.2023

(54) Use of bacteria, bacterial products, and other immunoregulatory entities in combination with anti-CTLA-4 and/or anti-PD-1 antibodies to treat solid tumor malignancies

(62) 2020230294

(71) The Mosaic Company

(21) 2023202723 (22) 02.05.2023

(54) Fertilizers containing slow and fast release sources of boron

(62) 2018243740

(71) The Trustees of the University of Pennsylvania; Novartis AG

(21) 2023202838 (22) 08.05.2023

(54) Methods of making chimeric antigen receptor -expressing cells

(62) 2016380262

The United States of America, as Represented by th see Astrocyte Pharmaceuticals, Inc.

(21) 2023202694

(71) Transportation IP Holdings, LLC

(21) 2023202774 (22) 04.05.2023

(54) COMMUNICATION MONITORING SYSTEM

(31) 63/339,729 (32) 09.05.22 (33) US 18/301,806 17.04.23 US

(71) TREACE MEDICAL CONCEPTS, INC.

(21) 2023202858 (22) 08.05.2023

(54) Bone plating system and method

(62) 2021201237

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(71) Turner Jr., E.L.
 (21) 2023202705 (22) 02.05.2023
 (54) All-terrain platform dolly
 (62) 2021203904

(71) Twelve Benefit Corporation
 (21) 2023202721 (22) 02.05.2023
 (54) System and method for carbon dioxide reactor control
 (62) 2019210132

(71) Uber Technologies, Inc.
 (21) 2023202765 (22) 03.05.2023
 (54) Coordinating travel on a public transit system and a travel coordination system
 (62) 2021203004

(71) Valerio, T.
 (21) 2023202715 (22) 02.05.2023
 (54) METHODS AND SYSTEMS FOR POLISHING AND RECOVERING ALUMINUM FROM A WASTE MATERIAL
 (62) 2017367603

(71) Viridian Glass GP Limited
 (21) 2023202779 (22) 04.05.2023
 (54) Rack Assembly and Methods
 (31) 787993 (32) 06.05.22 (33) NZ

(71) Visibly, Inc.
 (21) 2023202716 (22) 02.05.2023
 (54) Vision testing for astigmatism
 (62) 2020257139

(71) Watgrid, S.A.
 (21) 2023202797 (22) 04.05.2023
 (54) UNIVERSAL ELECTRONIC BUNG SYSTEM
 (62) 2019382977

(71) Wei, J.
 (21) 2023202790 (22) 04.05.2023
 (54) PHOTOVOLTAIC THERMAL INSULATION AND DECORATION COMPOSITE BOARD SYSTEM
 (31) ZL 2022 2 1426161.3 (32) 09.06.22 (33) CN

(71) Werner Co.
 (21) 2023202810 (22) 05.05.2023
 (54) Extension Ladder and Methods of Making and Using an Extension Ladder
 (62) 2021206781

(71) Yatzz Limited
 (21) 2023202855 (22) 08.05.2023
 (54) Nicotine formulation and mode of delivery
 (62) 2019276357

(71) Yokogawa Electric Corporation
 (21) 2023202804 (22) 05.05.2023
 (54) SYSTEMS, METHODS, AND DEVICES FOR OPTIMIZATION OF ULTRA FILTRATION MEMBRANE PERFORMANCE FOR WATER TREATMENT USING ARTIFICIAL INTELLIGENCE AND OPTIMIZATION ALGORITHMS
 (31) 17/749,814 (32) 20.05.22 (33) US

(71) Yuan-Mei Corp.
 (21) 2023202787 (22) 04.05.2023
 (54) Sprayer For Mixed Solution and Clear Water
 (62) 2021202771

(71) Yuan-Mei Corp.
 (21) 2023202789 (22) 04.05.2023
 (54) Sprayer Able to Adjust Flow of Mixed Solution and Clear Water
 (62) 2021202772

(71) Zimmer, Inc.
 (21) 2023202761 (22) 03.05.2023
 (54) REVISION KNEE ARTHROPLASTY METHODS AND INSTRUMENTS
 (62) 2022200138

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2023202821 Quantum-Si Incorporated
2023202822 Prysman S.p.A.
2023202823 Durect Corporation; Santen Pharmaceutical Co., Ltd.
2023202824 Gaylard, C.
2023202825 Menezes, A.
2023202826 City of Hope
2023202827 Tencent America LLC
2023202828 Ritmo S.P.A
2023202829 Terra Quantum AG
2023202830 Acres Technology
2023202831 Adocia
2023202832 SU, C.
2023202833 Celista Pharmaceuticals LLC
2023202834 Advanced Lithium Electrochemistry Co., Ltd.
2023202835 Chevron U.S.A. Inc.
2023202837 Live Nation Entertainment, Inc.
2023202838 The Trustees of the University of Pennsylvania; Novartis AG
2023202839 CFPH, LLC
2023202841 Cypher Medical LLC
2023202842 Lam, T.T.
2023202844 Second Genome, Inc.
2023202847 iQuip Group Pty Ltd
2023202848 Capital One Services, LLC
2023202849 Oldnall, C.
2023202850 Itron, Inc.
2023202851 Beijing Tusen Zhitu Technology Co., Ltd.
2023202852 Reliance Worldwide Corporation (Aust.) Pty. Ltd.
2023202853 The Brigham and Women's Hospital, Inc.
2023202854 Aristocrat Technologies Australia Pty Limited
2023202855 Yatzz Limited
2023202856 Paloma Co., Ltd.
2023202857 PolarityTE, Inc.
2023202858 TREACE MEDICAL CONCEPTS, INC.
2023202859 Peking University; Beijing LongRuan Technologies, Inc.
2023202861 LG Electronics Inc.
2023202862 Microport Orthopedics Holdings Inc.; Steensen Orthopedic Systems, LLC
2023202863 Abbott Diagnostics Scarborough, Inc.
2023202864 CCTEG CHINA COAL RESEARCH INSTITUTE

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

2003

- 2003203872 (14) 2003203891 (14) 2003203892 (14)
- 2003203903 (14) 2003203916 (14) 2003203926 (14)
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Complete Specifications Treated as Provisional Specifications, Section 37

2023

2023200656 **Lincoln University** Provisional Number: 2023901310

Assignments before Grant, Section 113

2018

2018322883 **Antelope DX** by **The application has been assigned to MEEP BV**

Assignments before Grant, Section 113

2018390178 Innovarius Ltd. The application has been assigned to **INNOVARIUS CORP.**

2019

2019247191 StrideBio, Inc. The application has been assigned to **Ginkgo Bioworks, Inc.**

2019247746 StrideBio, Inc. The application has been assigned to **Ginkgo Bioworks, Inc.**

2019247748 StrideBio, Inc. The application has been assigned to **Ginkgo Bioworks, Inc.**

2019344903 Metacrine, Inc. The application has been assigned to **Organovo, Inc.**

2020

2020240315 MicroOptx Inc. The application has been assigned to **Innomedex LLC**

2020241888 StrideBio, Inc. The application has been assigned to **Ginkgo Bioworks, Inc.**

2020264302 Eberhard Karls Universitaet Tuebingen Medizinische Fakultae The application has been assigned to **Prime Vector Technologies GmbH**

2020278909 Antios Therapeutics, Inc. The application has been assigned to **IRBM S.p.A.; Ospedale San Raffaele S.r.l.; Istituto Nazionale di Genetica Molecolare – INGM**

2020303222 thyssenkrupp Industrial Solutions AG The application has been assigned to **FLSmidth A/S**

2020367532 StrideBio, Inc. The application has been assigned to **Ginkgo Bioworks, Inc.**

2020441742 Collibra NV The application has been assigned to **Collibra Belgium BV**

2021

2021204888 Smolarz, Joseph The application has been assigned to **Luzidy, LLC**

2021212034 ELOGAB, Osama The application has been assigned to **OGAB Limited**

2021212353 ODx Innovations Limited The application has been assigned to **Bio-Rad Laboratories, Inc.**

2021213468 ODx Innovations Limited The application has been assigned to **Bio-Rad Laboratories, Inc.**

2021214982 Collibra NV The application has been assigned to **Collibra Belgium BV**

2021222052 Convatec Triad Life Sciences, LLC The application has been assigned to **Convatec, Inc.**

Assignments before Grant, Section 113

2021236648 Metacrine, Inc. The application has been assigned to **Organovo, Inc.**

2021238580 Produkem Molekulares Design GmbH The application has been assigned to **Aurovir Pharma GmbH**

2021239956 Metacrine, Inc. The application has been assigned to **Organovo, Inc.**

2021240001 Metacrine, Inc. The application has been assigned to **Organovo, Inc.**

2021243262 2K Beteiligungen UG (haftungsbeschränkt) The application has been assigned to **Jetworx GmbH**

2021253883 Collibra NV The application has been assigned to **Collibra Belgium BV**

2021281238 Convatec Triad Life Sciences, LLC. The application has been assigned to **Convatec, Inc.**

2021297108 Acea S.P.A; Suez International The application has been assigned to **DROPMI S.R.L**

2021312379 Inspirar Limited The application has been assigned to **Frontera Therapeutics, Inc.**

2022

2022901109 Concourse Group Holdings Pty Ltd The application has been assigned to **Concourse IP Pty Ltd**

2022903769 Werner, William The application has been assigned to **WGWG PTY LTD**

2022904001 Scimita Operations Pty Ltd The application has been assigned to **Oxleigh Recycling Technologies Pty Ltd**

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.

2014

2014262690 **Engineered Corrosion Solutions, LLC** An application to extend the time from 07 May 2022 to 07 Mar 2023 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2015

2015242997 **Peterson, K.** An application to extend the time from 15 Sep 2022 to 15 May 2023 in which to pay a renewal fee has been filed . Address for service - AJ Pietras IP Limited AJ Pietras & Co Care of Collison & Co 117 King William Street (GPO Box 2556) Adelaide SA 5000 AU

Extensions of Time, Section 223

2017

2017315762 **Ouster, Inc.** An application to extend the time from 24 Aug 2022 to 24 Mar 2023 in which to pay a renewal fee has been filed . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2018

2018205092 **L&H Industrial, Inc.** An application to extend the time from 10 Jul 2022 to 10 Mar 2023 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018220097 **Truth Hardware Corporation** An application to extend the time from 23 Aug 2022 to 23 Mar 2023 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018297291 **Ouster, Inc.** An application to extend the time from 05 Jul 2022 to 05 Apr 2023 in which to pay a continuation fee has been filed . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2019

2019201161 **EnviroGold Global Pty Ltd** An application to extend the time from 19 Jul 2022 to 19 Feb 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022

2022202226 **Mayborn (UK) Limited** An application to extend the time from 21 Apr 2022 to 21 Mar 2023 in which to pay a continuation fee has been filed . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2023

2023200284 **Truetiva Inc.; Kennedy, J.P.** An application to extend the time from 16 Jul 2020 to 16 Feb 2023 in which to claim the convention priority date has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2023200286 **Truetiva Inc.; Kennedy, J.P.** An application to extend the time from 03 Jul 2019 to 03 Feb 2023 in which to claim the convention priority date has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2023200287 **Truetiva Inc.; Kennedy, J.P.** An application to extend the time from 20 Oct 2021 to 20 Jan 2023 in which to claim the convention priority date has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2023202794 **Fisher & Paykel Healthcare Limited** An application to extend the time from 07 Jul 2022 to 07 May 2023 in which to make a further application for a divisional patent has been filed . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

Applications Allowed - Section 223(2)

2017

2017354933 **Smarta Industrial Pty Ltd** The time in which to pay the acceptance fee has been extended to 08 Apr 2023 . Address for service

Extensions of Time, Section 223

- Sandercock & Cowie 1/410 Burwood Highway Wantirna South VIC 3152 AU

2018

2018417338 **Sachdev, R.** The time in which to request examination has been extended to 04 Apr 2023 . Address for service - Rajiv Rai Sachdev 320, 42 Porter Street, Prahran, Melbourne VIC 3181 AU

2019

2019210599 **L. & A. FAZZINI MANUFACTURING PTY LTD** The time in which to pay a renewal fee has been extended to 17 Feb 2023 . Address for service - Halfords IP Level 7 1 Market Street Sydney NSW 2000 AU

2020

2020201929 **SOLITON HOLDINGS CORPORATION, DELAWARE CORPORATION** The time in which to pay the acceptance fee has been extended to 25 May 2023 . Address for service - Yuri Abramov 24 Sagan Dr Cranbourne North VIC 3977 AU

2020222607 **Berpu Medical Technology Co., Ltd.** The time in which to pay the acceptance fee has been extended to 17 Apr 2023 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2021

2021318870 **Vermeer Manufacturing Company** The time in which to enter the National Phase has been extended to 28 Mar 2023 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

2021324314 **INNATE PHARMA** The time in which to enter the National Phase has been extended to 12 May 2023 . Address for service - Blue Penguin IP Ltd Gracefield Innovation Precinct 69 Gracefield Rd Gracefield Lower Hutt 5010 NZ

2021324672 **HOENIGSCHMID, A.** The time in which to enter the National Phase has been extended to 13 Apr 2023 . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 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.

2017

2017422536 Improvement on boundary forced partition **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 03 May 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2018

2018100149 ABCDE **REDENBACH LEE LAWYERS PTY LTD** The nature of the amendment is: Amend the patentee to Keith Stewart

Amendments

Alistair Redenbach . Address for service - REDENBACH GROUP PTY LTD Chifley Plaza Chifley Tower L 29 2 Chifley Sq Sydney NSW 2000 AU

2018206729 Animal models and therapeutic molecules **Kymbab Limited** The nature of the amendment is as shown in the statement(s) filed 14 Dec 2022 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2018251212 Carbon dioxide underwater delivery device and supplementation system **Babcock, G. ; Babcock Garrett, Wendy** The nature of the amendment is as shown in the statement(s) filed 12 Apr 2023 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2018265333 Peptidic linkers and cryptophycin conjugates, useful in therapy, and their preparation **Sanofi** The nature of the amendment is as shown in the statement(s) filed 20 Apr 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2018390719 Non-racemic beta-hydroxybutyrate compounds and compositions enriched with S-enantiomer and methods of use **Axcess Global Sciences, LLC** The nature of the amendment is as shown in the statement(s) filed 20 Apr 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2018449796 Devices and methods for analytics exposure to application functions in 5G networks **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 02 May 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2019

2019238946 Intelligent graphite device **AB Dynamoborstfabriken** The nature of the amendment is as shown in the statement(s) filed 24 Apr 2023 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2019369917 Use of cysteine or salt thereof for cryoprotecting lactic acid bacteria **CJ Cheiljedang Corporation** The nature of the amendment is as shown in the statement(s) filed 27 Apr 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020

2020250454 Resource allocation method and apparatus for V2X service, and storage medium, terminal and base station **BEIJING UNISOC COMMUNICATIONS TECHNOLOGY CO., LTD.** The nature of the amendment is as shown in the statement(s) filed 09 Mar 2023 . Address for service - MINTER ELLISON Collins Arch 447 Collins St Melbourne VIC 3000 AU

2020270503 Morphinan derivative **Nippon Chemiphar Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 25 Apr 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2020279477 Use of nanoparticles to tune index of refraction of layers of a polymeric matrix to optimize microoptic (mo) focus **Crane & Co., Inc.** The nature of the amendment is as shown in the statement(s)

Amendments

filed 18 Nov 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020379793 Communication method, apparatus and system **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 18 Apr 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021

2021201189 A pipe wear monitoring system and method of use thereof **2C Holdings Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 04 May 2023 . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

2021202962 Isoindolinone inhibitors of the MDM2-p53 interaction having anticancer activity **Astex Therapeutics Limited ; Cancer Research Technology Limited** The nature of the amendment is as shown in the statement(s) filed 27 Apr 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021203013 COMPOSITIONS FOR THE DELIVERY OF THERAPEUTIC AGENTS AND METHODS OF USE AND MAKING THEREOF **Disruption Labs Inc.** The nature of the amendment is as shown in the statement(s) filed 01 May 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2021204275 Large lumen guide catheter **Cardinal Health 529, LLC** The nature of the amendment is as shown in the statement(s) filed 01 May 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2021240161 Method of access and link adaptation for coverage enhanced wireless transmissions **InterDigital Patent Holdings, Inc.** The nature of the amendment is as shown in the statement(s) filed 21 Apr 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022

2022279431 A Retaining Wall System **B3 CORP PTY LTD** The nature of the amendment is as shown in the statement(s) filed 17 Apr 2023 . Address for service - Michael Buck IP PO Box 78 Red Hill QLD 4059 AU

2023

2023201045 METHOD FOR CONTROLLING SIDE MINING UNMANNED VEHICLE AND DEVICE **CCTEG Tiandi Science & Technology Co., Ltd. ; CCTEG Energy Technology Development Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read Wang, Hao; Li, Lei; Liu, Ningning; Su, Weiwei; Zhou, Rui; Tian, Fuchao; Zheng, Zhongyu; Jiao, Yue; Sun, Bochao; Wang, Qiangmin; Zou, Yongming; Yan, Xunqiang and Long, Bo . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2023201142 METHOD FOR CONTROLLING UNDERGROUND UNMANNED VEHICLE AND DEVICE **CCTEG TIANDI SCIENCE & TECHNOLOGY CO., LTD. ; CCTEG SHENYANG RESEARCH INSTITUTE** The nature of the amendment is: Add the name of co-inventor LIU, Bingquan . Address for service - LexGeneris Pty Ltd U 2 342 Scarborough Beach Rd Osborne Park WA 6017 AU

Amendments Made

Amendments

2017

2017201520 **Redlaunch Pty Ltd** The nature of the amendment is: Amend the invention title to read Browser-Implemented Systems and Methods

2017228636 **Caterpillar Underground Mining Pty Ltd** The nature of the amendment is as shown in the statement filed 03 Feb 2023

2017354873 **Hepagene Therapeutics (HK) Limited** The nature of the amendment is as shown in the statement filed 18 Jan 2023

2017398427 **Norotos, Inc.; Soto, R.; Prendergast, J.** The nature of the amendment is as shown in the statement filed 13 Jan 2023

2018

2018246872 **Merus N.V.** The nature of the amendment is as shown in the statements filed 07 Oct 2022 and 16 Jan 2023

2018271298 **Ethicon, Inc.** The nature of the amendment is: Amend the invention title to read Self-contained biological indicator

2018280156 **Hyannis Port Research, Inc.** The nature of the amendment is as shown in the statement(s) filed 13 Feb 2023

2019

2019285034 **University of Florida Research Foundation, Incorporated** The nature of the amendment is: Amend the name of a co-inventor to read RADNAL, Laszlo

2020

2020338904 **Touchstone International Medical Science Co., Ltd.** The nature of the amendment is: Amend the invention title to read Closure driving mechanism and surgical stapler

2020442001 **Binzhou University** The nature of the amendment is: Amend the name of the inventor to read SHI, Lingxian; ZHANG, Xin; FENG, Weiwei and MA, Guoli

2020475165 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read POWER CONVERSION APPARATUS, MOTOR DRIVE APPARATUS, AND REFRIGERATION CYCLE APPARATUS

2021

2021206862 **Hypertherm, Inc.** The nature of the amendment is: Amend the name of the inventor to read Shipulski, E. Michael; Hoffa, Michael and Sanders, Nicholas A.

2021224860 **10X Genomics, Inc.** The nature of the amendment is: Amend the name of the inventor to read DAUGHARTHY, Evan; TERRY, Richard; CHEN, Hong; PRUITT, Benjamin; DAIDONE, Eugene; AS-MAN, Victoria; TANNER, Adrian and EVJE, Eric

2021290217 **The Boeing Company** The nature of the amendment is as shown in the statement(s) filed 10 Feb 2023

2021305983 **AstraZeneca AB** The nature of the amendment is: Amend the name of the inventor to read GREASLEY, Peter;

Amendments

AHLSTRÖM, Christine; SKRTIC, Stanko; MENZIES, Robert; SUNNÄKER, Mikael and MERCIER, Anne-Kristina

2021336788 **The Trustees of Indiana University** The nature of the amendment is: Amend the invention title to read In vivo lymphovenous anastomosis

2021338278 **BROWN UNIVERSITY; RHODE ISLAND HOSPITAL** The nature of the amendment is: Amend the name of the inventor to read TAPINOS, Nikolaos and AKOBUNDU, Blessing

2021339038 **NUCHIDO LIMITED** The nature of the amendment is: Amend the name of the inventor to read CONLON, Nichola Jane; YOUNG, Malcolm Philip; ZGLINCKI, Thomas von and MIWA, Satomi

2021353687 **BYD COMPANY LIMITED** The nature of the amendment is: Amend the invention title to read Integrated electric drive system and electric vehicle

2021363258 **CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.** The nature of the amendment is: Amend the invention title to read Information Transmission Method and Information Transmission Apparatus, Related Device and Storage Medium

2021367440 **Mitsubishi Shipbuilding Co., Ltd.** The nature of the amendment is: Amend the invention title to read Floating Structure, Method For Loading Liquefied Carbon Dioxide, And Method For Unloading Liquefied Carbon Dioxide

2021369256 **Mitsubishi Shipbuilding Co., Ltd.** The nature of the amendment is: Amend the invention title to read Floating Structure

2021376196 **GRAPHIC PACKAGING INTERNATIONAL, LLC** The nature of the amendment is: Amend the priority details to read 63/128,418 US; 63/191,412 21 May 2021 US; 63/169,302 US; 63/126,157 US; 63/110,578 US; 63/174,724 US; 63/178,116 US; 63/169,418 US; 63/139,341 US; 63/110,587 US and 63/110,582 US

2022

2022291644 **Triplet Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read BERMINGHAM, Ness-an Anthony; BETTENCOURT, Brian R. and GE, Pei

2023

2023201561 **J. Ray McDermott, S.A.** The nature of the amendment is as shown in the statement filed 26 Apr 2023

2023202281 **Burkardt, F.** The nature of the amendment is: Amend the invention title to read Catch for folding table or chair

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

2003

2003280963 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2003281151 Brita GmbH The name of the patentee has been altered to **BRITA SE**

Amendments

2004

2004226849 THYSSENKRUPP RESOURCE TECHNOLOGIES AG
The name of the patentee has been altered to **THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH**

2005

2005226867 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2005249644 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2005293808 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2005293809 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2007

2007214087 THYSSENKRUPP RESOURCE TECHNOLOGIES AG
The name of the patentee has been altered to **THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH**

2008

2008214682 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2008235601 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2008280515 THYSSENKRUPP RESOURCE TECHNOLOGIES AG
The name of the patentee has been altered to **THYSSENKRUPP RESOURCE TECHNOLOGIES GMBH**

2009

2009264172 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2009282721 Vifor Pharma Technology Ltd. The name of the patentee has been altered to **Vifor (International) Ltd.**

2010

2010205705 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2012

2012247579 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2012299710 Thyssenkrupp Robins, Inc.; Siemens Aktiengesellschaft; ThyssenKrupp Industrial Solutions GmbH The name of the patentee has been altered to **Thyssenkrupp Robins, Inc.; Siemens Aktiengesellschaft; THYSSENKRUPP INDUSTRIAL SOLUTIONS AG**

2013

2013204877 Vifor Pharma Technology Ltd. The name of the patentee has been altered to **Vifor (International) Ltd.**

Amendments

2013204879 Vifor Pharma Technology Ltd. The name of the patentee has been altered to **Vifor (International) Ltd.**

2013237515 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2013318841 Hanmi Medicare, Inc. The name of the patentee has been altered to **Hanmi Science Co., Ltd**

2013329451 Vifor Pharma Technology Ltd. The name of the patentee has been altered to **Vifor (International) Ltd.**

2015

2015302213 E. I. du Pont de Nemours and Company The name of the patentee has been altered to **IFF US HOLDING, LLC**

2015343307 E. I. du Pont de Nemours and Company The name of the patentee has been altered to **IFF US HOLDING, LLC**

2015363761 Oncoarendi Therapeutics S.A. The name of the patentee has been altered to **Molecure Spółka Akcyjna**

2015376292 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2016

2016212207 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2016212208 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2016228610 Phoenix Mecano Digital Elektronik GmbH The name of the patentee has been altered to **Cicor Digital Elektronik GmbH**

2016262178 K+S Chile S.A.; Universidad Técnica Federico Santa María The name of the patentee has been altered to **Sociedad Punta de Lobos S.A.; Universidad Técnica Federico Santa María**

2016314345 Oncoarendi Therapeutics S.A. The name of the patentee has been altered to **Molecure Spółka Akcyjna**

2016315378 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2016320401 Brita GmbH The name of the patentee has been altered to **BRITA SE**

2016326609 OncoMed Pharmaceuticals, Inc. The name of the applicant has been altered to **Mereo BioPharma 5, Inc.**

2017

2017259887 Oncoarendi Therapeutics S.A. The name of the patentee has been altered to **Molecure Spółka Akcyjna**

2018

2018260862 Vifor Pharma Technology Ltd. The name of the patentee has been altered to **Vifor (International) Ltd.**

Amendments

2019

2019225151 Duke University & Medical Center The name of the applicant has been altered to **Duke University**

2019228885 Sunsho Pharmaceutical Co., Ltd.; Sumitomo Pharma Food & Chemical Co., Ltd. The name of the applicant has been altered to **Sunsho Pharmaceutical Co., Ltd.; MP Gokyo Food & Chemical Co., Ltd.**

2019270422 Brita GmbH The name of the applicant has been altered to **BRITA SE**

2019293293 Professional Dietetics International S.r.l. The name of the applicant has been altered to **PROFESSIONAL DIETETICS S.p.A.**

2019293308 Vitec Imaging Solutions S.p.A. The name of the applicant has been altered to **VIDENDUM MEDIA SOLUTIONS S.p.A.**

2019297111 Vitec Imaging Solutions S.p.A. The name of the applicant has been altered to **VIDENDUM MEDIA SOLUTIONS S.p.A.**

2019308825 Vitec Imaging Solutions S.p.A. The name of the applicant has been altered to **VIDENDUM MEDIA SOLUTIONS S.p.A.**

2019309694 Rafael Pharmaceuticals, Inc. The name of the applicant has been altered to **Cornerstone Pharmaceuticals, Inc.**

2019309721 Vitec Imaging Solutions S.p.A. The name of the applicant has been altered to **VIDENDUM MEDIA SOLUTIONS S.p.A.**

2019349895 Vitec Imaging Solutions S.p.A. The name of the applicant has been altered to **VIDENDUM MEDIA SOLUTIONS S.p.A.**

2019393076 BOUNCE, Inc. The name of the applicant has been altered to **Bounce Enterprises LLC**

2020

2020294307 Vifor Pharma Technology Ltd. The name of the patentee has been altered to **Vifor (International) Ltd.**

2020348679 Harris Research, Inc. The name of the applicant has been altered to **Chem-Dry, Inc.**

2020349562 Bullseye Therapeutics, Inc. The name of the applicant has been altered to **MeiraGTx Therapeutics, Inc.**

2020350983 Brita GmbH The name of the applicant has been altered to **BRITA SE**

2020371282 Vitec Imaging Solutions S.p.A. The name of the applicant has been altered to **VIDENDUM MEDIA SOLUTIONS S.p.A.**

2020385262 Vitec Imaging Solutions S.p.A. The name of the applicant has been altered to **VIDENDUM MEDIA SOLUTIONS S.p.A.**

2020392123 Vivifi Medical LLC The name of the applicant has been altered to **VIVIFY MEDICAL, INC.**

Amendments

2020412651 Brita GmbH The name of the applicant has been altered to **BRITA SE**

2021

2021204239 Harris Research, Inc. The name of the applicant has been altered to **Chem-Dry, Inc.**

2021272976 Newco Jodito LLC The name of the applicant has been altered to **Dittopatterns LLC**

2021356130 TWENTYEIGHT-SEVEN, INC. The name of the applicant has been altered to **Redona Therapeutics, Inc.**

2023

2023900087 Industrial Eye Pty Ltd The name of the applicant has been altered to **Vigilum Technologies Pty Ltd**

Applications Open to Public Inspection

Name Index

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

<hr/> <p>11i Consulting GmbH see Murfitts Industries Ltd (21) 2023202696</p> <hr/> <p>(71) 1 Space Pty Ltd (11) AU-A-2023202731 (21) 2023202731 (22) 02.05.2023 (54) Modular Building (51) Int. Cl. <i>E04B 1/343</i> (2006.01) <i>E04B 1/348</i> (2006.01) <i>E04H 1/02</i> (2006.01) (43) 18.05.2023 (62) 2021200954 (72) Susan, Unger (74) Golja Haines & Friend</p> <hr/> <p>(71) 8 Rivers Capital, LLC (11) AU-A-2023202666 (21) 2023202666 (22) 01.05.2023 (54) Control systems and methods suitable for use with power production systems and methods (51) Int. Cl. <i>F02C 9/00</i> (2006.01) <i>F02C 9/24</i> (2006.01) <i>F02C 9/26</i> (2006.01) <i>F02C 9/28</i> (2006.01) (43) 18.05.2023 (62) 2021200548 (72) FETVEDT, Jeremy Eron; ALLAM, Rodney John (74) Spruson & Ferguson</p> <hr/> <p>AbbVie Inc. see Calico Life Sciences LLC (21) 2023202592</p> <hr/> <p>(71) Adobe Inc. (11) AU-A-2022221556 (21) 2022221556 (22) 26.08.2022 (54) RECONSTRUCTING FREEFORM GRADIENTS FROM AN INPUT IMAGE (51) Int. Cl. <i>G06T 11/00</i> (2006.01) <i>G06T 7/10</i> (2017.01) <i>G06T 7/90</i> (2017.01) (31) 17/516,964 (32) 02.11.21 (33) US (43) 18.05.2023 (72) Phogat, Ankit; Fisher, Matthew; Batra, Vineet; Sardar, Mrinalini (74) RnB IP Pty Ltd</p> <hr/> <p>(71) Advanced Drainage Systems, Inc. (11) AU-A-2023202717 (21) 2023202717 (22) 02.05.2023 (54) DOME STORMWATER CHAMBER (51) Int. Cl.</p>	<p><i>E03F 1/00</i> (2006.01) (43) 18.05.2023 (62) 2017342282 (72) Vitarelli, Ronald R.; Kuehn, Michael; Kurdziel, John; Mailhot, David (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>(71) Agios Pharmaceuticals, Inc. (11) AU-A-2023202772 (21) 2023202772 (22) 03.05.2023 (54) Pyruvate kinase activators for use in treating blood disorders (51) Int. Cl. <i>C07D 513/14</i> (2006.01) <i>A61K 31/5025</i> (2006.01) <i>A61P 3/10</i> (2006.01) <i>A61P 7/06</i> (2006.01) <i>A61P 7/08</i> (2006.01) <i>A61P 35/00</i> (2006.01) (43) 18.05.2023 (62) 2018316587 (72) CIANCHETTA, Giovanni; LIU, Tao; PADYANA, Anil; SUI, Zhihua; CAI, Zhenwei; CUI, Dawei; JI, Jingjing (74) Spruson & Ferguson</p> <hr/> <p>(71) Alio, Inc. (11) AU-A-2023202645 (21) 2023202645 (22) 30.04.2023 (54) SYSTEMS AND METHODS FOR MEASURING BIOLOGICAL METRICS AND BLOOD VESSEL GEOMETRY USING A MULTIPLE OPTICAL PATH PHOTOPLETHYSMOGRAPHY DEVICE (51) Int. Cl. <i>A61B 5/026</i> (2006.01) (43) 18.05.2023 (62) 2021404854 (72) AFANASIEV, Andrei; MILLER, Forrest; HONORE, Francis; FLANNERY, Anthony (74) Griffith Hack</p> <hr/> <p>(71) AllThingsEncrypted Pty Limited (11) AU-A-2022263474 (21) 2022263474 (22) 31.10.2022 (54) Improved block cipher system and method (51) Int. Cl. <i>H04L 9/06</i> (2006.01) <i>G16Y 30/10</i> (2020.01) (31) 2021903531 (32) 04.11.21 (33) AU (43) 18.05.2023 (72) HAMILTON, Eric; SHUIYIN, Liu (74) Spruson & Ferguson</p> <hr/> <p>(71) Alpine Immune Sciences, Inc. (11) AU-A-2023202718 (21) 2023202718 (22) 02.05.2023</p>	<p>(54) ICOS ligand variant immunomodulatory proteins and uses thereof (51) Int. Cl. <i>C07K 14/705</i> (2006.01) (43) 18.05.2023 (62) 2017250358 (72) Swanson, Ryan; Kornacker, Michael (74) Davies Collison Cave Pty Ltd</p> <hr/> <p>AlveoliX Technologies AG see Universität Bern (21) 2023202652</p> <hr/> <p>(71) AMETEK, INC. (11) AU-A-2022218491 (21) 2022218491 (22) 16.08.2022 (54) CIRCUIT CARD ASSEMBLIES (51) Int. Cl. <i>H05K 7/20</i> (2006.01) <i>H01L 23/367</i> (2006.01) <i>H01L 23/373</i> (2006.01) <i>H01L 23/427</i> (2006.01) <i>H01R 4/64</i> (2006.01) <i>H05K 1/18</i> (2006.01) <i>H05K 3/38</i> (2006.01) <i>H05K 5/04</i> (2006.01) <i>H05K 10/00</i> (2006.01) <i>H05K 13/04</i> (2006.01) (31) 63/274,557 (32) 02.11.21 (33) US (43) 18.05.2023 (72) KIM, Joo-Han; HODEN, Brian; AKALANNE, Lucius (74) Oxygene IP</p> <hr/> <p>(71) Angel Group Co., Ltd. (11) AU-A-2023202566 (21) 2023202566 (22) 27.04.2023 (54) FRAUD DETECTION SYSTEM IN CASINO (51) Int. Cl. <i>G07C 11/00</i> (2006.01) <i>A47B 25/00</i> (2006.01) <i>G06T 7/00</i> (2017.01) (43) 18.05.2023 (62) 2021201556 (72) Shigeta, Yasushi (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p> <hr/> <p>(71) Angel Group Co., Ltd. (11) AU-A-2023202577 (21) 2023202577 (22) 27.04.2023 (54) CARD GAME SYSTEM AND A METHOD OF A TABLE GAME (51) Int. Cl. <i>A63F 1/06</i> (2006.01)</p>
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Applications Open to Public Inspection - Name Index cont'd

(43) 18.05.2023
 (62) 2021203110
 (72) Shigeta, Yasushi
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.
 (11) AU-A-2023202601
 (21) 2023202601 (22) 28.04.2023
 (54) Method for shuffling playing cards
 (51) Int. Cl.
 A63F 1/12 (2006.01)
 A63F 1/02 (2006.01)

(43) 18.05.2023
 (62) 2018353678
 (72) SHIGETA, Yasushi
 (74) Davies Collison Cave Pty Ltd

(71) Apple Inc.
 (11) AU-A-2023202567
 (21) 2023202567 (22) 27.04.2023
 (54) Chroma quantization in video coding
 (51) Int. Cl.
 H04N 19/124 (2014.01)

(43) 18.05.2023
 (62) 2021245204
 (72) Tourapis, Alexandros; Cote, Guy
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2023202682
 (21) 2023202682 (22) 02.05.2023
 (54) Intelligent automated assistant
 (51) Int. Cl.
 G06F 17/27 (2006.01)

(43) 18.05.2023
 (62) 2021240130
 (72) Gruber, Thomas R.; Cheyer, Adam J.; Keen, Daniel
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2023202742
 (21) 2023202742 (22) 03.05.2023
 (54) Devices, methods, and graphical user interfaces for navigating between user interfaces, displaying a dock, and displaying system user interface elements
 (51) Int. Cl.
 G06F 3/048 (2013.01)
 G06F 3/0481 (2022.01)
 G06F 3/0484 (2022.01)

(43) 18.05.2023
 (62) 2021282433
 (72) Walkin, Brandon M.; Kedia, Shubham; Karunamuni, Chanaka G.; Alonso Ruiz, Marcos
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2023202745
 (21) 2023202745 (22) 03.05.2023
 (54) Systems, methods, and user interfaces for interacting with multiple application windows
 (51) Int. Cl.

G06F 3/0488 (2022.01)
 G06F 3/0481 (2022.01)
 (43) 18.05.2023
 (62) 2020259249
 (72) Walkin, Brandon M.; Kedia, Shubham; Karunamuni, Chanaka G.; Dellinger, Richard R.; Lemay, Stephen O.
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2023202756
 (21) 2023202756 (22) 03.05.2023
 (54) Devices, methods, and graphical user interfaces for navigating, displaying, and editing media items with multiple display modes
 (51) Int. Cl.
 G06F 3/0484 (2022.01)
 G06F 3/0485 (2022.01)
 G06F 3/0488 (2022.01)

(43) 18.05.2023
 (62) 2021212001
 (72) Manzari, Behkish J.; Miura, Britt S.; Lemay, Stephen O.; Souza Dos Santos, Andre; Mezak, Charles A.
 (74) FPA Patent Attorneys Pty Ltd

(71) Aragon Pharmaceuticals, Inc.
 (11) AU-A-2023202710
 (21) 2023202710 (22) 02.05.2023
 (54) Anticancer compositions
 (51) Int. Cl.
 A61K 9/20 (2006.01)
 A61K 9/14 (2006.01)

(43) 18.05.2023
 (62) 2021201979
 (72) HESTER, Dennis Martin; VAUGHN, Jason Michael
 (74) Spruson & Ferguson

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2023202298
 (21) 2023202298 (22) 14.04.2023
 (54) CASHLESS RESERVATION SYSTEM
 (51) Int. Cl.
 G07F 7/12 (2006.01)
 G07F 17/34 (2006.01)
 H04L 67/12 (2022.01)

(43) 18.05.2023
 (62) 2021200860
 (72) Curry, David; Muir, Robert Linley; Lui, Louis
 (74) James & Wells Intellectual Property

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2023202299
 (21) 2023202299 (22) 14.04.2023
 (54) A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER
 (51) Int. Cl.
 A63F 9/24 (2006.01)
 A63F 13/00 (2014.01)
 G07F 17/34 (2006.01)

(43) 18.05.2023
 (62) 2021201698
 (72) NGUYEN, Hung Ngoc
 (74) James & Wells Intellectual Property

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2023202713
 (21) 2023202713 (22) 02.05.2023
 (54) ELECTRONIC GAMING SYSTEM WITH DYNAMIC RETURN TO PLAYER AND METHOD OF USE
 (51) Int. Cl.
 G07F 17/32 (2006.01)
 A63F 13/00 (2014.01)

(43) 18.05.2023
 (62) 2021201214
 (72) PENACHO, Gary Joseph; POWER, Kieran
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2023202754
 (21) 2023202754 (22) 03.05.2023
 (54) A GAMING SYSTEM AND A METHOD OF GAMING
 (51) Int. Cl.
 G07F 17/34 (2006.01)

(43) 18.05.2023
 (62) 2021201123
 (72) BENNETT, NICHOLAS LUKE
 (74) Griffith Hack

(71) Arizona Board of Regents on Behalf of The University of Arizona
 (11) AU-A-2023202712
 (21) 2023202712 (22) 02.05.2023
 (54) ENCAPSULATION DEVICE SYSTEMS WITH OXYGEN SENSORS WITH OR WITHOUT EXOGENOUS OXYGEN DELIVERY
 (51) Int. Cl.
 A61F 2/02 (2006.01)
 A61M 5/14 (2006.01)
 A61M 31/00 (2006.01)

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 (62) 2021204321
 (72) Papas, Klearchos K.
 (74) Madderns Pty Ltd

(71) Arvos Ljungstrom LLC
 (11) AU-A-2023202632
 (21) 2023202632 (22) 28.04.2023
 (54) Method and system for improving boiler effectiveness
 (51) Int. Cl.
 F22B 37/00 (2006.01)
 B01D 53/50 (2006.01)
 F22B 37/02 (2006.01)
 F23J 15/00 (2006.01)

(43) 18.05.2023
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 (72) O'Boyle, Kevin; Mattison, Glenn D.; Breckinridge, David G.; Klingspor, Set Erik Jonas
 (74) Griffith Hack

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- (71) Astrocyte Pharmaceuticals, Inc.; The Board Of Regents Of The University Of Texas System; The United States of America, as Represented by th
(11) AU-A-2023202694
(21) 2023202694 (22) 02.05.2023
(54) Compounds and methods for treating neurological and cardiovascular conditions
(51) Int. Cl.
A61K 31/519 (2006.01)
A61P 25/00 (2006.01)
(43) 18.05.2023
(62) 2017254720
(72) KORINEK, William S.; LECHLEITER, James D.; LISTON, Theodore E.; JACOBSON, Kenneth A.
(74) Spruson & Ferguson
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- (71) Atea Pharmaceuticals, Inc.
(11) AU-A-2023202634
(21) 2023202634 (22) 28.04.2023
(54) Beta-D-2'-deoxy-2'-alpha-fluoro-2'-beta-C-substituted-2-modified-N6-substituted purine nucleotides for HCV treatment
(51) Int. Cl.
A61K 31/7076 (2006.01)
C07H 19/16 (2006.01)
(43) 18.05.2023
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(72) Sommadossi, Jean-Pierre; Moussa, Adel
(74) Davies Collison Cave Pty Ltd
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- (71) Avectas Limited
(11) AU-A-2023202618
(21) 2023202618 (22) 28.04.2023
(54) Vector-free delivery of gene editing proteins and compositions to cells and tissues
(51) Int. Cl.
C12N 9/22 (2006.01)
C12N 15/10 (2006.01)
C12N 15/113 (2010.01)
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(72) Maguire, Michael; O'Dea, Shirley
(74) FPA Patent Attorneys Pty Ltd
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- (71) Axsome Therapeutics, Inc.
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(54) PHARMACEUTICAL COMPOSITIONS COMPRISING MELOXICAM
(51) Int. Cl.
A61K 31/4196 (2006.01)
A61K 31/5415 (2006.01)
A61K 47/02 (2006.01)
A61K 47/40 (2006.01)
A61P 25/06 (2006.01)
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(62) 2020218253
(72) TABUTEAU, Herriot
(74) RnB IP
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- (71) Becton, Dickinson and Company
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(21) 2023202600 (22) 28.04.2023
(54) Cartridge adapter for drug delivery device
(51) Int. Cl.
A61M 5/145 (2006.01)
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(72) FALKOVICH, Margarita
(74) FB Rice Pty Ltd
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(21) 2022221381 (22) 22.08.2022
(54) Method and apparatus for routing wires on chain quantum chip, and storage medium
(51) Int. Cl.
G06N 10/40 (2022.01)
G01R 31/00 (2006.01)
G06F 30/39 (2020.01)
H03K 19/0175 (2006.01)
H03K 19/17736 (2020.01)
H10N 60/12 (2023.01)
(31) 202111301748.1 (32) 04.11.21 (33) CN
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(72) YU, Boyan; JIN, Lijing
(74) FB Rice Pty Ltd
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- (71) Bigfoot Biomedical, Inc.
(11) AU-A-2023202630
(21) 2023202630 (22) 28.04.2023
(54) Alarms and alerts for medication delivery devices and related systems and methods
(51) Int. Cl.
A61B 5/00 (2006.01)
(43) 18.05.2023
(62) 2017376111
(72) Chan, Yean Wah; Boissier, Jeff; Kabel-Eckes, Sabine; Mazlish, Bryan; Sieber, Shannon; Corthall, George
(74) WRAYS PTY LTD
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- (71) Billtrader Pty Ltd
(11) AU-A-2023202599
(21) 2023202599 (22) 28.04.2023
(54) COMPUTER IMPLEMENTED MULTI-CURRENCY INVOICE CAPTURE, TRADING, ACCESS AND PAYMENT SYSTEM
(51) Int. Cl.
G06Q 30/04 (2012.01)
(43) 18.05.2023
(62) 2021202877
(72) Simpson, Justin
(74) Valia IP Patent Attorneys
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- BioFire Defense, LLC see Biofire Diagnostics, LLC.
(21) 2023202560
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- (71) Biofire Diagnostics, LLC.; bioMerieux; BioFire Defense, LLC
(11) AU-A-2023202560
(21) 2023202560 (22) 27.04.2023
(54) Methods for quantitative amplification
(51) Int. Cl.
C12Q 1/70 (2006.01)
C07H 21/04 (2006.01)
C12M 1/26 (2006.01)
C12P 19/34 (2006.01)
C12Q 1/68 (2018.01)
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(72) SPAULDING, Usha K.; ROGATCHEVA, Margarita; PORITZ, Mark Aaron; CRISP, Robert John; MAGRO, Stephane Christian Jacques; BARRANGER, Come Henri Albert
(74) Spruson & Ferguson
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- (71) Blackhawk Network, Inc.
(11) AU-A-2023202749
(21) 2023202749 (22) 03.05.2023
(54) Systems and methods for dynamically detecting and preventing consumer fraud
(51) Int. Cl.
G06Q 30/06 (2023.01)
G06Q 20/38 (2012.01)
(43) 18.05.2023
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(74) Davies Collison Cave Pty Ltd
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- (71) Block, Inc.
(11) AU-A-2023202568
(21) 2023202568 (22) 27.04.2023
(54) Sensor-enabled activation of payment instruments
(51) Int. Cl.
G06Q 20/34 (2012.01)
G06K 19/06 (2006.01)
G06K 19/14 (2006.01)
G06Q 20/32 (2012.01)
G07F 7/08 (2006.01)
(43) 18.05.2023
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(72) OMOJOLA, Ayokunle; ANDERSEN, Robert; PERITO, Daniele; BEKMANN, Joachim
(74) FB Rice Pty Ltd
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- (71) BLUESCOPE STEEL LIMITED
(11) AU-A-2023202610
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(54) GUTTER ASSEMBLY
(51) Int. Cl.
E04D 13/072 (2006.01)
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 (72) CELEBAN, Michael; GALLATY, Rodney John
 (74) WRAYS PTY LTD

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 (54) Formulation for soft anticholinergic analogs
 (51) Int. Cl.
 A61K 8/49 (2006.01)
 A61K 31/40 (2006.01)
 A61P 43/00 (2006.01)

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 (62) 2017298469
 (72) Bodor, Nicholas S.; Koleng, John J.; Angulo, David
 (74) Griffith Hack

(71) Boston Scientific Scimed, Inc.
 (11) AU-A-2023202695
 (21) 2023202695 (22) 02.05.2023
 (54) Penile implant for neophallus
 (51) Int. Cl.
 A61F 2/26 (2006.01)
 (43) 18.05.2023
 (62) 2020298335
 (72) FELTON, Jessica Elizabeth; ALBRECHT, Thomas Andrew; NELSON, Matthew Lee; WATSCHKE, Brian P.; MUJWID, James Ryan; WILL, Samuel L.; ROWLAND, Randall Paul; BOSTROM, John Anders; ANDREEN, Julie; JENSEN, Grady; DALBEC, Nickolas; REED, Paden
 (74) Spruson & Ferguson

(71) Boston Scientific Scimed, Inc.
 (11) AU-A-2023202703
 (21) 2023202703 (22) 02.05.2023
 (54) Inflatable member with core members
 (51) Int. Cl.
 A61F 2/26 (2006.01)
 (43) 18.05.2023
 (62) 2020270077
 (72) FREDRICK, Ryan Earl; GINDELE, Paul John; NELSON, Matthew Lee
 (74) Spruson & Ferguson

(71) Calico Life Sciences LLC; AbbVie Inc.
 (11) AU-A-2023202592
 (21) 2023202592 (22) 28.04.2023
 (54) MODULATORS OF THE INTEGRATED STRESS PATHWAY
 (51) Int. Cl.
 C07D 213/74 (2006.01)
 A61K 31/165 (2006.01)
 A61P 35/00 (2006.01)
 C07C 235/14 (2006.01)
 C07C 255/57 (2006.01)
 C07D 213/54 (2006.01)
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 C07D 231/14 (2006.01)
 C07D 237/10 (2006.01)
 C07D 241/12 (2006.01)

C07D 241/44 (2006.01)
 C07D 261/08 (2006.01)
 C07D 275/03 (2006.01)
 C07D 277/32 (2006.01)
 C07D 307/56 (2006.01)
 C07D 307/82 (2006.01)
 C07D 317/62 (2006.01)
 C07D 401/04 (2006.01)
 C07D 413/04 (2006.01)
 C07D 487/04 (2006.01)
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 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Canon Kabushiki Kaisha
 (11) AU-A-2023202739
 (21) 2023202739 (22) 03.05.2023
 (54) Process cartridge and electrophotographic image forming apparatus
 (51) Int. Cl.
 G03G 21/18 (2006.01)
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 (62) 2021203408
 (72) MURAKAMI, Ryuta; HORIKAWA, Tadahashi; URATANI, Shunsuke; INABA, Yuichiro
 (74) Spruson & Ferguson

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 (11) AU-A-2023202766
 (21) 2023202766 (22) 03.05.2023
 (54) Process cartridge, electrophotographic image forming apparatus and electrophotographic photosensitive drum unit
 (51) Int. Cl.
 G03G 21/18 (2006.01)
 (43) 18.05.2023
 (62) 2021202841
 (72) MORIOKA, Masanari; HISANO, Masato; SASAKI, Teruhiko; NAKAZAWA, Ryosuke; ASANUMA, Naoya
 (74) Spruson & Ferguson

(71) Capital One Services, LLC
 (11) AU-A-2023202611
 (21) 2023202611 (22) 28.04.2023
 (54) Method for mapping NFC field strength and location on mobile devices
 (51) Int. Cl.
 H04B 5/00 (2006.01)
 G01D 15/14 (2006.01)
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 (62) 2021204051
 (72) OSBORN, Kevin; WURMFELD, David
 (74) GLMR

(71) Capital One Services, LLC
 (11) AU-A-2023202627
 (21) 2023202627 (22) 28.04.2023
 (54) System and method for pre-authentication of customer support calls
 (51) Int. Cl.
 H04M 3/51 (2006.01)
 H04L 9/08 (2006.01)
 H04L 9/14 (2006.01)
 H04W 4/80 (2018.01)
 (43) 18.05.2023
 (62) 2020239994
 (72) RULE, Jeffrey; ILINCIC, Rajko
 (74) GLMR

(71) Capital One Services, LLC
 (11) AU-A-2023202633
 (21) 2023202633 (22) 28.04.2023
 (54) Tap card to securely generate card data to copy to clipboard
 (51) Int. Cl.
 G06Q 20/32 (2012.01)
 G06F 9/54 (2006.01)
 G06Q 20/38 (2012.01)
 G06Q 20/40 (2012.01)
 G07F 7/08 (2006.01)
 H04W 4/80 (2018.01)
 (43) 18.05.2023
 (62) 2020216956
 (72) RULE, Jeffrey; MORETON, Paul; LUTZ, Wayne; JI, Jason
 (74) GLMR

(71) Capital One Services, LLC
 (11) AU-A-2023202708
 (21) 2023202708 (22) 02.05.2023
 (54) Secure authentication based on identity data stored in a contactless card
 (51) Int. Cl.
 G06Q 20/34 (2012.01)
 G06Q 20/38 (2012.01)
 G06Q 20/40 (2012.01)
 (43) 18.05.2023
 (62) 2020414358
 (72) CAPURSO, Nicholas; EDWARDS, Samuel; PRIBBLE, Jason
 (74) GLMR

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 (11) AU-A-2023202669
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 (54) BIOCHIPS TO DIAGNOSE HEMOGLOBIN DISORDERS AND MONITOR BLOOD CELLS
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 C12M 1/42 (2006.01)
 G01N 33/483 (2006.01)
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 (72) GURKAN, Umut A.; ALAPAN, Yunus; LITTLE, Jane; PICCONE, Connie; UNG, Ryan Dang-Quan
 (74) Oxygene IP

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 (54) ILLUMINATION DEVICE AND IMAGING DEVICE
 (51) Int. Cl.
G03B 17/56 (2021.01)
A61B 5/00 (2006.01)
A61B 10/00 (2006.01)
G03B 15/00 (2021.01)
G03B 15/02 (2021.01)
G03B 15/05 (2021.01)
H04N 23/56 (2023.01)
 (43) 18.05.2023
 (62) 2020252328
 (72) YOSHIDA, Tohru; MATSUO, Katsuyuki
 (74) Griffith Hack
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- (71) CATERPILLAR INC.
 (11) AU-A-2022252833
 (21) 2022252833 (22) 14.10.2022
 (54) SYSTEM AND METHOD FOR ACTIVATING SCREEN CLEANING MODE FOR USER INTERFACE
 (51) Int. Cl.
G06F 1/3228 (2019.01)
G05B 15/02 (2006.01)
 (31) 17/453,388 (32) 03.11.21 (33) US
 (43) 18.05.2023
 (72) NEATHERY, Brian P.; HALE, Thomas J.; FOLKEN, Keith; PRASAD, Meghna
 (74) FPA Patent Attorneys Pty Ltd
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- (71) CATERPILLAR INC.
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 (54) UNDERMOUNT FOR EGR COOLER
 (51) Int. Cl.
F02B 77/11 (2006.01)
 (31) 17/518,200 (32) 03.11.21 (33) US
 (43) 18.05.2023
 (72) CHEN, Allen Y.; WALTERS, Dean W.; VAN FAROWE, Jason L.; GOULD, DeForest C.
 (74) FPA Patent Attorneys Pty Ltd
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- (71) CATERPILLAR PAVING PRODUCTS INC.
 (11) AU-A-2022252779
 (21) 2022252779 (22) 13.10.2022
 (54) MOLDBOARD WITH A SCRAPING TOOL FOR A MILLING MACHINE
 (51) Int. Cl.
E02F 3/815 (2006.01)
E01C 23/088 (2006.01)
 (31) 17/516,088 (32) 01.11.21 (33) US
 (43) 18.05.2023
 (72) KOENEN, Paul J.; CARR, Robert E.
 (74) FPA Patent Attorneys Pty Ltd
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- (71) CE ITS Holdings Pty Ltd
 (11) AU-A-2022263588
 (21) 2022263588 (22) 04.11.2022
 (54) Tunnel gantry
 (51) Int. Cl.
F21S 8/04 (2006.01)
E01F 9/696 (2016.01)
E21D 9/14 (2006.01)
E21F 17/00 (2006.01)
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- F16L 3/26* (2006.01)
 (31) 2021903533 (32) 04.11.21 (33) AU
 (43) 18.05.2023
 (72) TIPPING, Nathan
 (74) GLMR
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- (71) CFPH, LLC
 (11) AU-A-2023202655
 (21) 2023202655 (22) 01.05.2023
 (54) MULTI-PROCESS COMMUNICATION REGARDING GAMING INFORMATION
 (51) Int. Cl.
A63F 9/24 (2006.01)
G06F 15/16 (2006.01)
 (43) 18.05.2023
 (62) 2021261920
 (72) Amaitis, Lee; Tara, Sunny; Williams, Paul; Gopinatha, Anoop; Morrisette, Matthew
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) Chiyoda Corporation
 (11) AU-A-2023202574
 (21) 2023202574 (22) 27.04.2023
 (54) Design support system and learning device
 (51) Int. Cl.
G01M 3/00 (2006.01)
G01M 3/02 (2006.01)
G01M 3/38 (2006.01)
 (43) 18.05.2023
 (62) 2019362683
 (72) OGISO, Ryoji; KATO, Michiyo; HIOKI, Teruo
 (74) WRAYS PTY LTD
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- (71) Cirkul, Inc.
 (11) AU-A-2023202648
 (21) 2023202648 (22) 01.05.2023
 (54) Adjustable additive delivery systems and methods
 (51) Int. Cl.
A47J 31/40 (2006.01)
A47J 43/27 (2006.01)
B01D 29/23 (2006.01)
B65D 41/26 (2006.01)
B65D 85/804 (2006.01)
C02F 1/18 (2023.01)
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 (62) 2017228456
 (72) Waggoner, Garrett S.; Urbanik, Thomas A.; Faulkner, Daniel J.; Gay, Andrew; Kurth, William G.; Kissinger, Drew
 (74) Murray Trento & Associates Pty Ltd
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- (71) CloudBlue LLC
 (11) AU-A-2023202161
 (21) 2023202161 (22) 07.04.2023
 (54) TECHNOLOGIES FOR AUTOMATICALLY VALIDATING THE FUNCTIONALITY OF OFFERS IN A CLOUD SERVICE BROKERAGE SYSTEM
 (51) Int. Cl.
G06Q 30/018 (2023.01)
G06Q 10/00 (2023.01)
G06Q 99/00 (2006.01)
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 (72) KORYAKIN, Rostislav; DUBINSKII, Viacheslav; KHAKIMYANOV, Timur; VAGULIN, Lgor
 (74) RnB IP
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- (71) Colgate-Palmolive Company
 (11) AU-A-2023202724
 (21) 2023202724 (22) 02.05.2023
 (54) Oral hygiene systems and methods
 (51) Int. Cl.
A46B 9/04 (2006.01)
A46B 15/00 (2006.01)
 (43) 18.05.2023
 (62) 2021236443
 (72) SERVAL, Thomas; NICOLAS, Yann
 (74) Spruson & Ferguson
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- (71) Commonwealth Scientific and Industrial Research Organisation
 (11) AU-A-2023200995
 (21) 2023200995 (22) 21.02.2023
 (54) RNA molecules
 (51) Int. Cl.
C12N 15/113 (2010.01)
 (43) 18.05.2023
 (62) 2018333285
 (72) SMITH, Neil Andrew; WANG, Ming-Bo; DORAN, Timothy James; TIZARD, Mark; ALLU, Annapurna Devi; GREAVES, Ian Kevin; GAO, Lingling; ANDERSON, Jonathan Paul
 (74) FB Rice Pty Ltd
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- (71) Concordia University Inc.
 (11) AU-A-2023202583
 (21) 2023202583 (22) 28.04.2023
 (54) Compositions for CYP450 phenotyping using saliva samples
 (51) Int. Cl.
C12Q 1/00 (2006.01)
A61K 31/192 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/522 (2006.01)
A61K 31/585 (2006.01)
G01N 33/50 (2006.01)
 (43) 18.05.2023
 (62) 2016365229
 (72) McGraw, Joseph; Gerhardt, Armin Henry
 (74) Spruson & Ferguson
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- (71) Coulter Ventures, LLC
 (11) AU-A-2023202733
 (21) 2023202733 (22) 02.05.2023
 (54) Weightlifting machine
 (51) Int. Cl.
A63B 21/00 (2006.01)
A63B 21/04 (2006.01)
A63B 21/055 (2006.01)
A63B 21/062 (2006.01)
A63B 21/16 (2006.01)
A63B 71/00 (2006.01)

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 (62) 2019357057
 (72) HENNIGER, William; DUNAHAY, Nash; COUGHLAN, Laurie Ann; MCCLURE, Tyler
 (74) Griffith Hack

(71) Coulter Ventures LLC
 (11) AU-A-2023202730
 (21) 2023202730 (22) 02.05.2023
 (54) Exercise bike
 (51) Int. Cl.
 A63B 21/00 (2006.01)
 A63B 21/008 (2006.01)
 A63B 22/00 (2006.01)
 A63B 22/06 (2006.01)

(43) 18.05.2023
 (62) 2020289811
 (72) JONES, Dylan; DUBBERLEY, Matt; BURGESS, Patrick
 (74) Griffith Hack

(71) Cripps Clark, J.
 (11) AU-A-2023202646
 (21) 2023202646 (22) 30.04.2023
 (54) ActiPALQ - set of devices for commoditised accurate dynamic (or active) tagging with systems to charge (batteries) so tags can coordinate with other objects including where used in pallets and other objects managed with forklifts or other lifting devices for logistic purposes to operate transfers and periods of storage and with increasing supply chain information flow requirements to help promote economic participant diversity.
 (51) Int. Cl.
 G16Y 30/10 (2020.01)
 G06Q 10/10 (2023.01)
 H04W 12/06 (2021.01)
 G06F 11/30 (2006.01)
 G06F 21/50 (2013.01)
 H04L 43/10 (2022.01)
 H04L 67/12 (2022.01)

(31) 2022903798 (32) 12.12.22 (33) AU
 (43) 18.05.2023
 (62) 2023201021
 (72) Cripps Clark, Julianne
 (74) Julianne Mary Cripps Clark

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 (21) 2023202722

(71) Deere & Company
 (11) AU-A-2022241464
 (21) 2022241464 (22) 26.09.2022
 (54) Control system and method for a work tool on a utility vehicle
 (51) Int. Cl.
 E02F 3/84 (2006.01)
 E02F 3/43 (2006.01)
 E02F 9/20 (2006.01)
 (31) 17/452,865 (32) 29.10.21 (33) US

(43) 18.05.2023
 (72) Christofferson, Craig; Kwiatkowski, Adam H.; Lemke, Mark L.
 (74) Davies Collison Cave Pty Ltd

(71) Deere & Company
 (11) AU-A-2022246430
 (21) 2022246430 (22) 06.10.2022
 (54) Non-transitory computer-readable media and devices for blade wear monitoring
 (51) Int. Cl.
 G06N 20/00 (2019.01)
 A01D 45/10 (2006.01)
 G01M 13/00 (2019.01)
 G06T 7/00 (2017.01)

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C07D 487/04 (2006.01)
A61K 31/00 (2006.01)
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A61K 31/675 (2006.01)
A61K 31/685 (2006.01)
C07D 519/00 (2006.01)
C07H 1/00 (2006.01)
C07H 1/02 (2006.01)
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A61K 31/23 (2006.01)
A61K 47/10 (2017.01)
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A61K 47/44 (2017.01)
A61P 31/04 (2006.01)
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 (21) 2023202697 (22) 02.05.2023
 (54) METHOD AND DEVICE FOR DISPLAYING CANDIDATE WORDS, AND GRAPHICAL USER INTERFACE
 (51) Int. Cl.
G06F 3/048 (2013.01)
- (43) 18.05.2023
 (62) 2021245174
 (72) Zheng, Weibin; Zhang, Yue
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (72) Kotra, Anand Meher; Wang, Biao; Es-enlik, Semih; Chen, Jianle; Zhao, Zhijie; Gao, Han
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(71) Huawei Technologies Co., Ltd.
 (11) AU-A-2023202685
 (21) 2023202685 (22) 02.05.2023
 (54) METHOD AND APPARATUS FOR INTRA PREDICTION
 (51) Int. Cl.
H04N 19/50 (2014.01)
H04N 19/11 (2014.01)
H04N 19/159 (2014.01)
H04N 19/176 (2014.01)
H04N 19/593 (2014.01)

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 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.
 (11) AU-A-2023202760
 (21) 2023202760 (22) 03.05.2023
 (54) IMAGE SHARING METHOD AND ELECTRONIC DEVICE
 (51) Int. Cl.
H04N 21/47 (2011.01)
G06F 3/0484 (2022.01)
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 (72) Ye, Fei; Xie, Qi
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Hunter Douglas, Inc.
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 (54) Mounting assembly for an architectural covering
 (51) Int. Cl.
E06B 9/42 (2006.01)

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 (74) Spruson & Ferguson

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 (21) 2023201956 (22) 30.03.2023
 (54) Method and System of Constructing an Underground Tunnel
 (51) Int. Cl.
E21D 9/00 (2006.01)
E21D 9/06 (2006.01)

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 (72) JORDAN, Stephen
 (74) Golja Haines & Friend

(71) Illinois Tool Works Inc.
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 (54) Drive-in tool with improved safety device
 (51) Int. Cl.
B25C 1/00 (2006.01)
B25C 1/04 (2006.01)
B25C 1/08 (2006.01)

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 (72) Hahndel, Olaf
 (74) Davies Collison Cave Pty Ltd

(71) Implantica Patent Ltd
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 (21) 2023202686 (22) 02.05.2023
 (54) Blood Clot Removal Device, System, And Method
 (51) Int. Cl.
A61F 2/01 (2006.01)
A61M 1/34 (2006.01)

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 (72) Forsell, Peter
 (74) WRAYS PTY LTD

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 (21) 2022228211 (22) 09.09.2022
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 (51) Int. Cl.
G01N 35/00 (2006.01)
B01L 1/02 (2006.01)
B01L 3/00 (2006.01)
G01N 1/00 (2006.01)
G01N 33/15 (2006.01)

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 (72) Sanchez-Martinez, Demetrio; Shreve, Joshua
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) Intuit Inc.
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 (21) 2022204589 (22) 28.06.2022
 (54) Multiple input machine learning framework for anomaly detection
 (51) Int. Cl.
G06V 30/10 (2022.01)
G06N 3/02 (2006.01)

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 (74) Davies Collison Cave Pty Ltd

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 (54) APPARATUS AND RELATED METHOD FOR ISOLATION LOCKING OF AN ASSET
 (51) Int. Cl.
F16P 3/00 (2006.01)

E05B 19/00 (2006.01)
E05B 67/00 (2006.01)
G06Q 50/04 (2012.01)
G07C 9/00 (2020.01)

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 (72) POWER, Stephen
 (74) Golja Haines & Friend

(71) J.C. Bamford Excavators Limited
 (11) AU-A-2022263488
 (21) 2022263488 (22) 01.11.2022
 (54) A WORKING MACHINE
 (51) Int. Cl.
E02F 9/08 (2006.01)
B60K 15/067 (2006.01)

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 (74) Madderns Pty Ltd

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 (21) 2022263483 (22) 01.11.2022
 (54) Pressure vessel with multiple lateral outflow openings
 (51) Int. Cl.
F41B 11/682 (2013.01)

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 (43) 18.05.2023
 (72) JAHN, Andreas
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(71) Jahn, A.
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 (54) Pressure containers and pressure container assortment
 (51) Int. Cl.
F17C 1/14 (2006.01)
B65D 65/02 (2006.01)
F17C 13/00 (2006.01)

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(71) Janssen Biotech, Inc.
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 (21) 2023202536 (22) 27.04.2023
 (54) Materials and methods for binding Siglec-3/CD33
 (51) Int. Cl.
A61K 39/00 (2006.01)
A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
C07K 14/725 (2006.01)
C07K 16/28 (2006.01)

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 (62) 2021235564
 (72) DOONAN, Patrick John; GANESAN, Rajkumar; DEREBE, Mehabaw Getahun; VENKATARAMANI, Sathyadevi; SINGH, Sanjaya; GREWAL, Iqbal S.; WIEHAGEN, Karla R.
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 (11) AU-A-2023202538
 (21) 2023202538 (22) 27.04.2023
 (54) Materials and methods for binding
 Siglec-3/CD33

(51) Int. Cl.
 A61K 39/00 (2006.01)
 A61K 47/68 (2017.01)
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 Rajkumar; DEREBE, Mehabaw Get-
 ahun; VENKATARAMANI, Sathyadevi;
 SINGH, Sanjaya; GREWAL, Iqbal S.;
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 Jiangsu Hengxin Wireless Technology
 Co., Ltd
 (11) AU-A-2022321036
 (21) 2022321036 (22) 31.08.2022
 (54) Phase shifter with adjustable output
 mode and antenna
 (51) Int. Cl.
 H01Q 3/26 (2006.01)
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 (43) 18.05.2023
 (72) YU, Xiaochao; SONG, Haiyan; HUA,
 Yanping; SHAO, Junfeng; XIE, Xianyu;
 LIU, Jie
 (74) Peng Zhang

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 Ltd see Jiangsu Hengxin Technology Co.,
 Ltd**
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 Solar Co., Ltd.
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 (21) 2022252710 (22) 11.10.2022
 (54) Electrode Structure, Solar Cell, and
 Photovoltaic Module
 (51) Int. Cl.
 H01L 31/0224 (2006.01)
 H01L 31/05 (2014.01)
 (31) 202122636021.0 (32) 29.10.21 (33) CN
 (43) 18.05.2023
 (72) XU, Qiang; ZHOU, Jing; QIU, Yankai
 (74) Franke Hyland Pty Ltd

(71) Joy Global Surface Mining Inc
 (11) AU-A-2023202674
 (21) 2023202674 (22) 01.05.2023
 (54) Ground engaging tool locking system
 (51) Int. Cl.

E02F 9/28 (2006.01)
 (43) 18.05.2023
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 (72) VOELZ, Nicholas; NICOSON, Richard;
 POPP, James; GROSS, Matt
 (74) Griffith Hack

(71) Joy Global Underground Mining LLC
 (11) AU-A-2023202741
 (21) 2023202741 (22) 03.05.2023
 (54) Chain conveyor
 (51) Int. Cl.

B62D 55/20 (2006.01)
 B62D 55/21 (2006.01)
 B65G 19/08 (2006.01)
 B65G 19/20 (2006.01)
 B65G 19/22 (2006.01)
 B65G 19/24 (2006.01)
 F16G 13/06 (2006.01)
 F16G 13/10 (2006.01)
 F16G 15/00 (2006.01)

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 (72) Walker, Aaron Philip; Stewart, Chris-
 topher George
 (74) Griffith Hack

(71) Julius-Maximilians-Universität
 Würzburg
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 (21) 2023202602 (22) 28.04.2023
 (54) Combination therapy using inhibitors of
 human Growth and Differentiation factor
 15 (GDF-15) and immune checkpoint
 blockers
 (51) Int. Cl.
 C07K 16/22 (2006.01)
 A61K 31/00 (2006.01)
 A61K 39/395 (2006.01)
 C07K 16/28 (2006.01)
 G01N 33/50 (2006.01)
 G01N 33/574 (2006.01)

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 DUMMER, Reinhard; MEHLING, Mat-
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 (74) Spruson & Ferguson

(71) Kimberly-Clark Worldwide, Inc.
 (11) AU-A-2023202720
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 (54) Foam-formed fibrous sheets with
 crimped staple fibers
 (51) Int. Cl.
 D21H 27/00 (2006.01)
 D01D 5/22 (2006.01)
 D21H 15/04 (2006.01)

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 (72) QIN, Jian; CALEWARTS, Deborah J.;
 COLMAN, Charles W.; WALDROUP,
 Donald E.; UTTECHT, Cathleen M.;
 WALLACE, Peter
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Les Laboratoires Servier see Novartis AG

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 (71) LG Electronics Inc.
 (11) AU-A-2023202637
 (21) 2023202637 (22) 28.04.2023
 (54) Vacuum cleaner nozzle
 (51) Int. Cl.

A47L 11/40 (2006.01)
 A47L 11/20 (2006.01)
 A47L 11/202 (2006.01)
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 (62) 2019314072
 (72) SONG, Seunghyun; KIM, Seongmin;
 KIM, Jaeyoung; CHUNG, Wookjun
 (74) FB Rice Pty Ltd

(71) LG Electronics Inc.
 (11) AU-A-2023202670
 (21) 2023202670 (22) 01.05.2023
 (54) Laundry machine having induction
 heater and control method of the same
 (51) Int. Cl.
 D06F 58/26 (2006.01)
 D06F 58/20 (2006.01)
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 (62) 2022268289
 (72) LEE, Youngjoo; HONG, Sangwook
 (74) FB Rice Pty Ltd

(71) LG Electronics Inc.
 (11) AU-A-2023202678
 (21) 2023202678 (22) 02.05.2023
 (54) Method for encoding/decoding video
 signals and apparatus therefor
 (51) Int. Cl.
 H04N 19/18 (2014.01)
 H04N 19/423 (2014.01)
 H04N 19/625 (2014.01)
 H04N 19/70 (2014.01)

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 (72) KOO, Moonmo; KIM, Seunghwan;
 SALEHIFAR, Mehdi; LIM, Jaehyun
 (74) Dentons Patent Attorneys Australasia
 Limited

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 (21) 2022203328 (22) 17.05.2022
 (54) Energy storage system and method for
 operating the same
 (51) Int. Cl.
 G01R 31/388 (2019.01)
 G06F 1/3212 (2019.01)
 H02J 3/32 (2006.01)
 H02J 7/00 (2006.01)
 H02J 15/00 (2006.01)
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 (72) KO, Seungtae; BANG, Sungeun
 (74) Dentons Patent Attorneys Australasia
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(71) LG ELECTRONICS INC.
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 (21) 2022204849 (22) 06.07.2022

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- (54) DISPLAY DEVICE AND METHOD OF OPERATING THE SAME
 (51) Int. Cl.
H04N 7/18 (2006.01)
G06F 3/14 (2006.01)
H04N 23/60 (2023.01)
 (31) 10-2021-0149237 (32) 02.11.21 (33) KR
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- (71) Listen Green Technology Co., Ltd.
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 (54) Disposable eggshell eco-friendly material and manufacturing method
 (51) Int. Cl.
B09B 3/40 (2022.01)
B09B 3/21 (2022.01)
C08K 11/00 (2006.01)
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 (11) AU-A-2023202597
 (21) 2023202597 (22) 28.04.2023
 (54) A kit for forming a panel and a method of forming a panel
 (51) Int. Cl.
B32B 7/02 (2019.01)
A47B 33/00 (2006.01)
B32B 5/18 (2006.01)
B32B 19/04 (2006.01)
E04C 2/26 (2006.01)
E04F 13/077 (2006.01)
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 (72) KYRIAKOULEAS, Kyri
 (74) Davies Collison Cave Pty Ltd
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- (71) McGowan, M.
 (11) AU-A-2023202636
 (21) 2023202636 (22) 28.04.2023
 (54) Composition Comprising an Essential Oil and Its Packaging Thereof
 (51) Int. Cl.
A61K 31/352 (2006.01)
A01H 6/28 (2018.01)
A61F 6/04 (2006.01)
A61K 36/185 (2006.01)
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 (62) 2019346360
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 (74) Golja Haines & Friend
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- (71) MedImmune Limited
 (11) AU-A-2023202654
 (21) 2023202654 (22) 01.05.2023
 (54) METHODS OF CANCER TREATMENT WITH ANTAGONISTS AGAINST PD-1 AND PD-L1 IN COMBINATION WITH RADIATION THERAPY
 (51) Int. Cl.
A61K 39/395 (2006.01)
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- (71) MileIQ Inc.
 (11) AU-A-2023202579
 (21) 2023202579 (22) 28.04.2023
 (54) Mobile device distance tracking
 (51) Int. Cl.
G06Q 50/30 (2012.01)
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- (71) Medline Industries, LP
 (11) AU-A-2023202692
 (21) 2023202692 (22) 02.05.2023
 (54) Method and system for harvesting biological tissue
 (51) Int. Cl.
A61B 10/02 (2006.01)
A61B 5/15 (2006.01)
 (43) 18.05.2023
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 (72) GUILLES, Marvin A.; LABOMBARD, Denis; SIDOTI, Charles; LEVIN, Phil; SWYST, Thomas; SABIR, Sameer
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- (71) Mettler Packaging Pty. Ltd.
 (11) AU-A-2022259707
 (21) 2022259707 (22) 24.10.2022
 (54) Plastic film bags and use thereof
 (51) Int. Cl.
B65D 30/02 (2006.01)
B32B 27/08 (2006.01)
B65D 33/00 (2006.01)
B65D 65/38 (2006.01)
B65D 81/00 (2006.01)
C08J 5/18 (2006.01)
 (31) 21206048.7 (32) 02.11.21 (33) EP
 (43) 18.05.2023
 (72) Donner, Rene
 (74) Davies Collison Cave Pty Ltd
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- (71) MFTB Holdco, Inc.
 (11) AU-A-2022202811
 (21) 2022202811 (22) 28.04.2022
 (54) Automated building floor plan generation using visual data of multiple building images
 (51) Int. Cl.
G06T 7/00 (2017.01)
G06F 30/00 (2020.01)
G06V 10/00 (2022.01)
G06V 20/00 (2022.01)
 (31) 63/272,854 (32) 28.10.21 (33) US
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 (74) Davies Collison Cave Pty Ltd
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- (71) ModernaTX, Inc.
 (11) AU-A-2023202500
 (21) 2023202500 (22) 24.04.2023
 (54) Nucleic acid vaccines for varicella zoster virus (VZV)
 (51) Int. Cl.
A61K 39/25 (2006.01)
A61K 31/7105 (2006.01)
A61K 31/7115 (2006.01)
A61P 31/22 (2006.01)
C12N 15/38 (2006.01)
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 (72) Ciarabella, Giuseppe
 (74) RnB IP Pty Ltd
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- (71) Murfitts Industries Ltd; Pintat, B.; 11i Consulting GmbH
 (11) AU-A-2023202696
 (21) 2023202696 (22) 02.05.2023
 (54) ARTIFICIAL TURF INFILL AND ARTIFICIAL TURF
 (51) Int. Cl.
E01C 13/08 (2006.01)
 (43) 18.05.2023
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 (72) SICK, Stephan; LOHR, Ivo; HALLY, Stefan; FINDER, Zdenka
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) Nanjing Chervon Industry Co., Ltd.
 (11) AU-A-2022228178
 (21) 2022228178 (22) 09.09.2022

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(54) CHARGING DEVICE AND CONTROL METHOD THEREFOR
 (51) Int. Cl.
H02J 7/36 (2006.01)
H01M 10/44 (2006.01)
H02J 7/00 (2006.01)
 (31) 202111268864.8 (32) 29.10.21 (33) CN
 (43) 18.05.2023
 (72) Yang, Dong; Song, Henghui
 (74) Madderns Pty Ltd

(43) 18.05.2023
 (62) 2018261590
 (72) NAIR, Suresh; JERICHOW, Anja; SEEFELDT, Annett
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(54) Double input structure juice module and screw
 (51) Int. Cl.
A23N 1/02 (2006.01)
A47J 19/02 (2006.01)
 (31) 10-2021-0144416 (32) 27.10.21 (33) KR
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 (43) 18.05.2023
 (72) KIM, Jong Boo
 (74) FB Rice Pty Ltd

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 (21) 2023202631

(71) Nexans
 (11) AU-A-2022259699
 (21) 2022259699 (22) 24.10.2022
 (54) SYSTEM FOR GUIDING THE ROTATION OF A SOLAR TRACKER
 (51) Int. Cl.
F24S 30/425 (2018.01)
F24S 25/12 (2018.01)
H02S 20/32 (2014.01)
 (31) 2111493 (32) 28.10.21 (33) FR
 (43) 18.05.2023
 (72) CHARTIER, Emily; AMAR, Jeremy; PRINTEMPS, Morgan; QUEVILLIER, Ludovic; RICHARD, Aymeric; GILLET, Lucas; SOULIE, Emile
 (74) Halfords IP

(71) Novartis AG; Les Laboratoires Servier
 (11) AU-A-2023202746
 (21) 2023202746 (22) 03.05.2023
 (54) Combination of a BCL-2 inhibitor and a MCL-1 inhibitor, uses and pharmaceutical compositions thereof
 (51) Int. Cl.
A61K 31/436 (2006.01)
A61K 31/407 (2006.01)
A61K 31/4353 (2006.01)
A61K 31/519 (2006.01)
A61K 31/55 (2006.01)
A61K 31/675 (2006.01)
A61P 35/00 (2006.01)
 (43) 18.05.2023
 (62) 2017300738
 (72) Wei, Andrew; Moujalled, Donia; Pomilio, Giovanna; Maragno, Ana Leticia; Geneste, Olivier; Claperon, Audrey; Maacke, Heiko; Halilovic, Ensar; Porter, Dale; Morris, Erick; Wang, Youzhen; Sanghavi, Sneha; Mistry, Prakash
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

(71) NuVasive, Inc.
 (11) AU-A-2023202764
 (21) 2023202764 (22) 03.05.2023
 (54) SYSTEMS AND METHODS FOR FACILITATING SPINE SURGERY
 (51) Int. Cl.
A61B 5/00 (2006.01)
A61B 17/17 (2006.01)
A61B 34/00 (2016.01)
A61B 34/10 (2016.01)
A61B 90/00 (2016.01)
 (43) 18.05.2023
 (62) 2021286300
 (72) Scholl, Thomas U.; Sutterlin, Autumn; Blaylock, Elizabeth; Blaskiewicz, Donald J.; Wright, Neill M.; Isaacs, Robert E.
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Nexus Spine, LLC
 (11) AU-A-2023202771
 (21) 2023202771 (22) 03.05.2023
 (54) Methods for developing porous implants of optimal properties
 (51) Int. Cl.
A61F 2/28 (2006.01)
A61F 2/30 (2006.01)
 (43) 18.05.2023
 (62) 2020232858
 (72) HALVERSON, Peter; HAWKES, David
 (74) Spruson & Ferguson

(71) nthalmic holding Pty Ltd
 (11) AU-A-2023202657
 (21) 2023202657 (22) 01.05.2023
 (54) A freeform contact lens solution for myopia
 (51) Int. Cl.
G02C 7/04 (2006.01)
A61F 9/00 (2006.01)
 (43) 18.05.2023
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 (72) Bakaraju, Ravi Chandra; Ehrmann, Klaus; Conrad, Fabian
 (74) FPA Patent Attorneys Pty Ltd

(71) NVIDIA Corporation
 (11) AU-A-2022259808
 (21) 2022259808 (22) 27.10.2022
 (54) Image upsampling using one or more neural networks
 (51) Int. Cl.
G06T 3/40 (2006.01)
G06N 3/04 (2006.01)
G06N 3/08 (2006.01)
G06T 5/00 (2006.01)
G06T 7/00 (2017.01)
G06T 7/10 (2017.01)
G06T 7/90 (2017.01)
 (31) 17/514,448 (32) 29.10.21 (33) US
 (43) 18.05.2023
 (72) Cohen, Loudon; Massal, Gregory; Janis, Pekka
 (74) Davies Collison Cave Pty Ltd

(71) Nokia Solutions and Networks Oy
 (11) AU-A-2023202768
 (21) 2023202768 (22) 03.05.2023
 (54) Emergency voice service support indications
 (51) Int. Cl.
H04W 4/90 (2018.01)
H04W 36/14 (2009.01)
H04W 48/18 (2009.01)
H04W 76/50 (2018.01)
 (43) 18.05.2023
 (62) 2018314933
 (72) WONG, Curt; POIKSELKÄ, Miiikka; THIEBAUT, Laurent; CHANDRAMOULI, Devaki; BALASUBRAMANIAM, Sankaran
 (74) Spruson & Ferguson

(71) Nthalmic Holding Pty Ltd
 (11) AU-A-2023202744
 (21) 2023202744 (22) 03.05.2023
 (54) Contact lens apparatus for myopia management
 (51) Int. Cl.
G02B 5/00 (2006.01)
G02C 7/04 (2006.01)
 (43) 18.05.2023
 (62) 2021230409
 (72) BAKARAJU, Ravi Chandra; EHRMANN, Klaus
 (74) NTHALMIC HOLDING PTY LTD

Ohio State Innovation Foundation see University of Southern California
 (21) 2023202534

(71) Nokia Technologies Oy
 (11) AU-A-2023202706
 (21) 2023202706 (22) 02.05.2023
 (54) Privacy indicators for controlling authentication requests
 (51) Int. Cl.
H04L 9/40 (2022.01)
H04W 12/02 (2009.01)

(71) NUC Electronics Co., Ltd.
 (11) AU-A-2022256104
 (21) 2022256104 (22) 11.02.2022

(71) Ohly GmbH
 (11) AU-A-2023202770
 (21) 2023202770 (22) 03.05.2023
 (54) Functional yeast protein concentrate
 (51) Int. Cl.
C12N 1/06 (2006.01)
A23J 1/18 (2006.01)
A23J 3/20 (2006.01)
A23J 3/22 (2006.01)
A23K 10/16 (2016.01)
A23L 33/145 (2016.01)
C12N 1/18 (2006.01)

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 (62) 2019408401
 (72) SPICKERMANN, Dominik; SIEBLITZ, Rovena; VAN RHEENEN, Mathilde; TU, Gia Loi; KLEIST, Catharina; REIMERS, Cornelia
 (74) Spruson & Ferguson

(71) Okumara Co., Ltd.; The Jikei University
 (11) AU-A-2023202699
 (21) 2023202699 (22) 02.05.2023
 (54) Detachable multi-ring traction device
 (51) Int. Cl.
A61B 17/02 (2006.01)

(43) 18.05.2023
 (62) 2019455874
 (72) SUMIYAMA, Kazuki; TANAKA, Hiroto; MIYABATA, Yusuke; KAMBA, Shunsuke
 (74) Spruson & Ferguson

(71) Olema Pharmaceuticals, Inc.
 (11) AU-A-2023202620
 (21) 2023202620 (22) 28.04.2023
 (54) Tetrahydro-1H-pyrindo(3,4-b)indole anti-estrogenic drugs
 (51) Int. Cl.
C07D 471/02 (2006.01)
A61K 31/437 (2006.01)
A61K 31/4545 (2006.01)
A61K 31/506 (2006.01)
C07D 471/04 (2006.01)

(43) 18.05.2023
 (62) 2021206861
 (72) Myles, David C.; Kushner, Peter J.; Harmon, Cyrus L.
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) OncoSec Medical Incorporated; Jean Campbell; David A. Canton
 (11) AU-A-2023202722
 (21) 2023202722 (22) 02.05.2023
 (54) Plasmid constructs for heterologous protein expression and methods of use
 (51) Int. Cl.
C12N 15/79 (2006.01)
A61K 39/00 (2006.01)
A61K 39/39 (2006.01)
A61K 48/00 (2006.01)
A61P 35/00 (2006.01)
C12N 15/09 (2006.01)
C12N 15/63 (2006.01)
C12N 15/85 (2006.01)

(43) 18.05.2023
 (62) 2016369608
 (72) CAMPBELL, Jean; CANTON, David A.; PIERCE, Robert H.
 (74) FB Rice Pty Ltd

(71) Opec Remediation Technologies Pty Limited
 (11) AU-A-2023202735
 (21) 2023202735 (22) 02.05.2023
 (54) Method and apparatus for separation of a substance from groundwater
 (51) Int. Cl.
C02F 1/24 (2023.01)

B03D 1/02 (2006.01)
B03D 1/08 (2006.01)
B03D 1/24 (2006.01)
C02F 1/58 (2023.01)
C02F 1/74 (2023.01)
E21B 43/34 (2006.01)

(43) 18.05.2023
 (62) 2017276819
 (72) Phillips, Steven Edward; Brickle, Gregory Raymond; Burns, David John
 (74) Adams Pluck

(71) Opec Remediation Technologies Pty Limited
 (11) AU-A-2023202737
 (21) 2023202737 (22) 02.05.2023
 (54) Method and apparatus for separation of a substance from groundwater
 (51) Int. Cl.

C02F 1/24 (2023.01)
B03D 1/02 (2006.01)
B03D 1/08 (2006.01)
B03D 1/24 (2006.01)
C02F 1/58 (2023.01)
C02F 1/74 (2023.01)
E21B 43/34 (2006.01)

(43) 18.05.2023
 (62) 2017276819
 (72) Phillips, Steven Edward; Brickle, Gregory Raymond; Burns, David John
 (74) Adams Pluck

(71) Opec Remediation Technologies Pty Limited
 (11) AU-A-2023202738
 (21) 2023202738 (22) 02.05.2023
 (54) Apparatus for separation of a substance from groundwater
 (51) Int. Cl.

C02F 1/24 (2023.01)
B03D 1/02 (2006.01)
B03D 1/08 (2006.01)
B03D 1/24 (2006.01)
C02F 1/58 (2023.01)
C02F 1/74 (2023.01)
E21B 43/34 (2006.01)

(43) 18.05.2023
 (62) 2017276819
 (72) Phillips, Steven Edward; Brickle, Gregory Raymond; Burns, David John
 (74) Adams Pluck

(71) Opus One Solutions (USA) Corporation; Opus One Solutions Energy Corp.
 (11) AU-A-2023202596
 (21) 2023202596 (22) 28.04.2023
 (54) Integrated distribution planning systems and methods for electric power systems
 (51) Int. Cl.

G05F 1/66 (2006.01)
G05B 15/02 (2006.01)
G05F 1/00 (2006.01)
H02J 13/00 (2006.01)

(43) 18.05.2023
 (62) 2018272082
 (72) WONG, Joshua; RAHIMI-KIAN, Ashkan; OMARA, Hisham; CHADHA, Ken; MUNEEER, Wajid
 (74) FB Rice Pty Ltd

Opus One Solutions Energy Corp. see Opus One Solutions (USA) Corporation
 (21) 2023202596

(71) Oren Technologies, LLC
 (11) AU-A-2023202763
 (21) 2023202763 (22) 03.05.2023
 (54) System of delivering and storing proppant for use at a well site and container for such proppant
 (51) Int. Cl.
B65G 57/14 (2006.01)
 (43) 18.05.2023
 (62) 2021203262
 (72) Oren, John
 (74) Griffith Hack

(71) ORIGINAL BIOMEDICALS CO., LTD.
 (11) AU-A-2022259787
 (21) 2022259787 (22) 27.10.2022
 (54) COMPOSITION FOR UPPER RESPIRATORY TRACT ADMINISTRATION AND METHOD THEREOF
 (51) Int. Cl.
A61K 31/714 (2006.01)
A61K 9/72 (2006.01)
A61K 31/16 (2006.01)
A61P 11/00 (2006.01)
A61P 39/02 (2006.01)
A61P 39/04 (2006.01)
 (31) 63/273,317 (32) 29.10.21 (33) US
 (43) 18.05.2023
 (72) Chen, Jia-Long; Liao, Wei-Chuan; Sun, Tzu-Hui; Chen, Chia-Hung; Wang, Chau-Hui; Yen, Hsiao-Pao
 (74) ALDRICH PROJECTS PTY LTD

OSAKA UNIVERSITY see MITSUBISHI TANABE PHARMA CORPORATION
 (21) 2021261890

(71) O-Soiling
 (11) AU-A-2023202594
 (21) 2023202594 (22) 28.04.2023
 (54) Method and apparatus for cleaning surfaces
 (51) Int. Cl.
B08B 1/04 (2006.01)
A46B 9/02 (2006.01)
A46B 13/02 (2006.01)
H02S 40/10 (2014.01)
 (43) 18.05.2023
 (62) 2017293482
 (72) ALLOUCHE, Yanir; ALLOUCHE, Henry Ouri
 (74) FB Rice Pty Ltd

(71) Panasonic Intellectual Property Corporation of America
 (11) AU-A-2023202734
 (21) 2023202734 (22) 02.05.2023
 (54) IMAGE ENCODER, IMAGE DECODER, IMAGE ENCODING METH-

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 (51) Int. Cl.
H04N 19/117 (2014.01)
H04N 19/157 (2014.01)
H04N 19/80 (2014.01)
 (43) 18.05.2023
 (62) 2018320382
 (72) ABE, Kiyofumi; NISHI, Takahiro; TOMA, Tadamasu; KANO, Ryuichi; LIM, Chong Soon; LIAO, Ru Ling; SUN, Hai Wei; SHASHIDHAR, Sughosh Pavan; TEO, Han Boon; LI, Jing Ya
 (74) Griffith Hack

(71) Pangang Group Panzhihua Iron & Steel Research Institute Co., Ltd.
 (11) AU-A-2022215194
 (21) 2022215194 (22) 30.06.2022
 (54) Moderate-strength steel rail and production method thereof
 (51) Int. Cl.
C22C 38/18 (2006.01)
B21H 8/00 (2006.01)
C21D 6/00 (2006.01)
C22C 38/02 (2006.01)
C22C 38/04 (2006.01)
 (31) 202111292347.4 (32) 03.11.21 (33) CN
 (43) 18.05.2023
 (72) YUAN, Jun; DENG, Yong; CHEN, Chongmu; WANG, Yuan
 (74) FB Rice Pty Ltd

PARK, Y.H. see GREEN PLUS CO., LTD.
 (21) 2022202282

(71) Parkd Ltd
 (11) AU-A-2023202575
 (21) 2023202575 (22) 27.04.2023
 (54) Beam support cable and building structure
 (51) Int. Cl.
E04C 5/08 (2006.01)
E04B 5/04 (2006.01)
E04B 5/26 (2006.01)
E04C 5/16 (2006.01)
F16L 3/02 (2006.01)
 (43) 18.05.2023
 (62) 2018223229
 (72) McUtchen, Peter James Stirling
 (74) WRAYS PTY LTD

(71) Pear Therapeutics (US), Inc.; Novartis AG
 (11) AU-A-2023202631
 (21) 2023202631 (22) 28.04.2023
 (54) Electronic devices and methods for treatment utilizing antipsychotics in combination with digital therapies
 (51) Int. Cl.
G16H 20/10 (2018.01)
G16H 20/70 (2018.01)

(43) 18.05.2023
 (62) 2019374695
 (72) GHAEMI, Seyyed Nassir; BEAUDETTE, Aaron Justin; CAMPPELLONE, Timothy Ryan; KODAMA, Justin
 (74) Griffith Hack

(71) PELL Bio-Med Technology Co., Ltd
 (11) AU-A-2022259852
 (21) 2022259852 (22) 28.10.2022
 (54) SPINNING SOLUTION, AND ALGINATE FIBER COMPRISING CANNABIDIOL, METHOD FOR PRODUCING THE SAME, AND USE THEREOF
 (51) Int. Cl.
D01D 1/02 (2006.01)
A61K 31/352 (2006.01)
A61K 47/36 (2006.01)
A61P 29/00 (2006.01)
A61P 31/04 (2006.01)
A61P 37/08 (2006.01)
D01D 5/06 (2006.01)
D01F 1/02 (2006.01)
D01F 9/04 (2006.01)
 (31) 110140458 (32) 29.10.21 (33) TW
 (43) 18.05.2023
 (72) Lin, Chen-Lung; Chien, Wen-Pin
 (74) Madderns Pty Ltd

(71) Pharma Consult Ges.m.b.H.
 (11) AU-A-2023202662
 (21) 2023202662 (22) 01.05.2023
 (54) Injection device, in particular autoinjector, for the simultaneous administration of several medications
 (51) Int. Cl.
A61M 5/19 (2006.01)
A61M 5/20 (2006.01)
A61M 5/24 (2006.01)
 (43) 18.05.2023
 (62) 2017348622
 (72) CSENAR, Markus; SCHWIRTZ, Andreas
 (74) FB Rice Pty Ltd

(71) Pharmacyclics LLC
 (11) AU-A-2023202671
 (21) 2023202671 (22) 01.05.2023
 (54) Pharmaceutical formulations of Bruton's tyrosine kinase inhibitor
 (51) Int. Cl.
A61K 31/519 (2006.01)
A61K 31/436 (2006.01)
 (43) 18.05.2023
 (62) 2021240244
 (72) ATLURI, Harisha; CHONG, Ching Wah; KUEHL, Robert; TAN, Heow
 (74) Spruson & Ferguson

Pintat, B. see Murfitts Industries Ltd
 (21) 2023202696

(71) ProKidney
 (11) AU-A-2023202707
 (21) 2023202707 (22) 02.05.2023
 (54) Bioactive renal cells

(51) Int. Cl.
C12N 5/071 (2010.01)
 (43) 18.05.2023
 (62) 2020203727
 (72) ILAGAN, Roger M.; KELLEY, Russell W.; PRESNELL, Sharon C.; CHOUDHURY, Sumana; BRUCE, Andrew T.; GENHEIMER, Christopher W.; COX, Bryan R.; GUTHRIE, Kelly I.; BASU, Joydeep; WALLACE, Shay M.; WERDIN, Eric S.; KNIGHT, Oluwatoyin A.; SANGHA, Namrata D.; LUDLOW, John W.; HALBERSTADT, Craig R.; PAYNE, Richard; ROBINS Jr., Neil F.; MCCOY, Darrell; JAIN, Deepak; JAYO, Manuel J.; RIVERA, Elias A.; SPENCER, Thomas; WATTS, Benjamin
 (74) Griffith Hack

(71) Prothema Biosciences Limited
 (11) AU-A-2023202109
 (21) 2023202109 (22) 05.04.2023
 (54) Treatment and prophylaxis of amyloidosis
 (51) Int. Cl.
A61K 39/395 (2006.01)
A61P 43/00 (2006.01)
C07K 16/18 (2006.01)
C07K 16/28 (2006.01)
 (43) 18.05.2023
 (62) 2019240413
 (72) NIJJAR, Tarlochan; DOLAN III, Philip J.; BARBOUR, Robin
 (74) WRAYS PTY LTD

Purdue Research Foundation see Endocyte, Inc.
 (21) 2023202704

(71) Regeneron Pharmaceuticals, Inc.
 (11) AU-A-2023202659
 (21) 2023202659 (22) 01.05.2023
 (54) Cell culture process for making a glycoprotein
 (51) Int. Cl.
C12P 21/00 (2006.01)
C07K 14/415 (2006.01)
C12N 5/00 (2006.01)
C12N 15/09 (2006.01)
C12P 21/06 (2006.01)
 (43) 18.05.2023
 (62) 2018298039
 (72) Chen, John; Lawrence, Shawn; Johnson, Amy; Loney, Theodore; Pangule, Ravindra; Hang, Ta-Chun; Carver, Scott; Schilling, Bernhard
 (74) FPA Patent Attorneys Pty Ltd

(71) Research Institute at Nationwide Children's Hospital
 (11) AU-A-2023201093
 (21) 2023201093 (22) 23.02.2023
 (54) Adeno-Associated Virus Vector Delivery Of Micro-Dystrophin To Treat Muscular Dystrophy
 (51) Int. Cl.
C12N 15/86 (2006.01)

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A61K 48/00 (2006.01)
A61P 21/00 (2006.01)
C07K 14/47 (2006.01)
(43) 18.05.2023
(62) 2017250791
(72) Rodino-Klapac, Louise; Mendell, Jerry R.
(74) WRAYS PTY LTD

Research Institute at Nationwide Children's Hospital see University of Southern California
(21) 2023202534

(71) Rodman, K.
(11) AU-A-2022263470
(21) 2022263470 **(22)** 31.10.2022
(54) Stabilising Device
(51) Int. Cl.
B63B 39/06 (2006.01)
B63B 43/04 (2006.01)
B63B 21/20 (2006.01)
(31) 2021903492 **(32)** 01.11.21 **(33)** AU
(43) 18.05.2023
(72) Rodman, Kerry
(74) Raven IP

(71) Rondo Building Services Pty Limited
(11) AU-A-2023202726
(21) 2023202726 **(22)** 02.05.2023
(54) A frame member
(51) Int. Cl.
E04B 1/82 (2006.01)
E04B 1/58 (2006.01)
(43) 18.05.2023
(62) 2017201632
(72) KEEN, Craig; CARIOLATO, Sergio
(74) Spruson & Ferguson

(71) ROULAND, M.
(11) AU-A-2021258041
(21) 2021258041 **(22)** 28.10.2021
(54) A sliding and folding hard roofed tent, with integrated walls and floor, which mounts onto a vehicle and opens onto the ground.
(51) Int. Cl.
E04H 15/06 (2006.01)
E04H 15/48 (2006.01)
(43) 18.05.2023
(72) ROULAND, Matthew
(74) Matthew Philip Rouland

(71) Rural Innovations Pty Ltd
(11) AU-A-2023202556
(21) 2023202556 **(22)** 27.04.2023
(54) WIRE STRAINERS
(51) Int. Cl.
B25B 25/00 (2006.01)
E04H 17/26 (2006.01)
(43) 18.05.2023
(62) 2021201590
(72) Fox, Richard
(74) Ahearn Fox

Samuels, E. see Solidus Ventures GmbH
(21) 2023202563

(71) Senor Tech Co., Ltd.
(11) AU-A-2021258009
(21) 2021258009 **(22)** 28.10.2021
(54) Smart Health Management Sales System and Method
(51) Int. Cl.
G06Q 50/12 (2012.01)
A61B 5/00 (2006.01)
A61B 5/01 (2006.01)
G16H 50/30 (2018.01)
G06Q 20/32 (2012.01)
G06Q 30/06 (2012.01)
(43) 18.05.2023
(72) Chiu, Hsin-Liang
(74) Flinders Lane IP

Shanghai University of Electric Power see State Grid Shanghai Municipal Electric Power Company
(21) 2022231757

(71) SK Innovation Co., Ltd.
(11) AU-A-2022256114
(21) 2022256114 **(22)** 19.10.2022
(54) PROCESS FOR PRODUCING HYDROGEN, CARBON, AND ETHYLENE FROM METHANE-CONTAINING FEEDSTOCK
(51) Int. Cl.
C01B 3/02 (2006.01)
C01B 32/05 (2017.01)
C01B 32/158 (2017.01)
C01B 32/20 (2017.01)
C07C 2/84 (2006.01)
C07C 11/04 (2006.01)
C07C 11/24 (2006.01)
(31) 10-2021-0146261 **(32)** 29.10.21 **(33)** KR
(43) 18.05.2023
(72) Yun, Dong Min; Kim, Hee Soo; Lee, Ji Hoon; Jang, Jung Geun; Choo, Dae Hyun
(74) PHILLIPS ORMONDE FITZPATRICK

(71) smartDNA PTY LTD
(11) AU-A-2023202551
(21) 2023202551 **(22)** 27.04.2023
(54) Method of diagnosing a dysbiosis
(51) Int. Cl.
C12Q 1/04 (2006.01)
(43) 18.05.2023
(62) 2020202974
(72) SMITH, Margaret
(74) FB Rice Pty Ltd

(71) Snap-On Incorporated
(11) AU-A-2022256134
(21) 2022256134 **(22)** 19.10.2022
(54) Adjustable pliers
(51) Int. Cl.
B25B 7/10 (2006.01)
(31) 17/516,680 **(32)** 01.11.21 **(33)** US

(43) 18.05.2023
(72) THOMPSON, Christopher D.; EGGERT, Daniel M.
(74) Spruson & Ferguson

(71) Société des Produits Nestlé S.A.
(11) AU-A-2023202625
(21) 2023202625 **(22)** 28.04.2023
(54) Methods of manufacture of nut flours and formulations for oral immunotherapy
(51) Int. Cl.
A23L 5/20 (2016.01)
A23L 7/10 (2016.01)
(43) 18.05.2023
(62) 2018207167
(72) SIMON, Reyna Joy; BIRINGER, Nicholas William
(74) Spruson & Ferguson

(71) Solidus Ventures GmbH; Frauchiger, D.; Samuels, E.
(11) AU-A-2023202563
(21) 2023202563 **(22)** 27.04.2023
(54) SYSTEM AND METHOD FOR TRADING DISTINCT AND IDENTIFIABLE PORTIONS OF A PHYSICAL COMMODITY
(51) Int. Cl.
G06Q 40/04 (2012.01)
(43) 18.05.2023
(62) 2021203238
(72) Samuels, Eliot; Frauchiger, Daniel
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Spark, I.
(11) AU-A-2022263482
(21) 2022263482 **(22)** 01.11.2022
(54) Improved Controlled Differential
(51) Int. Cl.
B60K 17/346 (2006.01)
B60K 17/16 (2006.01)
B60K 17/34 (2006.01)
B60K 17/348 (2006.01)
B60K 23/04 (2006.01)
B62D 5/097 (2006.01)
F16H 48/10 (2012.01)
B62D 15/02 (2006.01)
F16H 37/08 (2006.01)
F16H 48/20 (2012.01)
F16H 61/00 (2006.01)
(31) 2021903502 **(32)** 02.11.21 **(33)** AU
 2022900709 21.03.22 AU
(43) 18.05.2023
(72) Spark, Ian
(74) Ian James Spark

(71) Spark Therapeutics, Inc.
(11) AU-A-2023200992
(21) 2023200992 **(22)** 20.02.2023
(54) SCALABLE METHODS FOR PRODUCING RECOMBINANT ADENO-ASSOCIATED VIRAL (AAV) VECTOR IN SERUM-FREE SUSPENSION CELL CULTURE SYSTEM SUITABLE FOR CLINICAL USE

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- (51) Int. Cl.
C12N 5/10 (2006.01)
A61K 31/7088 (2006.01)
A61K 48/00 (2006.01)
C12N 7/00 (2006.01)
C12N 7/01 (2006.01)
C12N 7/02 (2006.01)
C12Q 1/70 (2006.01)
- (43) 18.05.2023
(62) 2016362317
(72) Qu, Guang; Lu, Lin; Wright, John Fraser
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) SRC, Inc.
(11) AU-A-2022263453
(21) 2022263453 (22) 31.10.2022
(54) Wideband Monopole Antenna
(51) Int. Cl.
H01Q 9/40 (2006.01)
H01Q 5/25 (2015.01)
- (31) 17/515,797 (32) 01.11.21 (33) US
(43) 18.05.2023
(72) Bradstreet, Lance M.; Kliss, Gregory J.; Striffler, Russell W.
(74) Armour IP
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- (71) St. Jude Children's Research Hospital, Inc.
(11) AU-A-2023202656
(21) 2023202656 (22) 01.05.2023
(54) Method for nucleic acid amplification
(51) Int. Cl.
C12Q 1/68 (2018.01)
C12P 19/34 (2006.01)
C12Q 1/6806 (2018.01)
C12Q 1/6827 (2018.01)
C12Q 1/6844 (2018.01)
C12Q 1/6855 (2018.01)
C12Q 1/6858 (2018.01)
C12Q 1/686 (2018.01)
C12Q 1/6869 (2018.01)
- (43) 18.05.2023
(62) 2019212953
(72) GAWAD, Charles; EASTON, John; GONZALEZ-PENA, Veronica
(74) FB Rice Pty Ltd
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- (71) State Grid Shanghai Municipal Electric Power Company; Shanghai University of Electric Power
(11) AU-A-2022231757
(21) 2022231757 (22) 14.07.2022
(54) Method for multi-adaptive optimal μ PMU placement in micro-energy network
(51) Int. Cl.
H02J 3/24 (2006.01)
- (31) 202111269613.1 (32) 29.10.21 (33) CN
(43) 18.05.2023
(72) LIU, Shu; WU, Jie; FANG, Chen; SU, Xiangjing; LIU, Jinsong; FU, Yang; WEI, Xinchu; TIAN, Shuxin; GU, Lei; SHI, Shanshan
(74) Madderns Pty Ltd
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- (71) Suntory Holdings Limited
(11) AU-A-2023202588
(21) 2023202588 (22) 28.04.2023
(54) Food or beverage with increased sweetness
(51) Int. Cl.
A23L 27/00 (2016.01)
A23L 27/30 (2016.01)
A23L 33/00 (2016.01)
- (43) 18.05.2023
(62) 2018279449
(72) OHKURI, Tadahiro; FUJIE, Akiko; YOKOO, Yoshiaki
(74) Griffith Hack
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- (71) SUPERSONIC IMAGINE
(11) AU-A-2022246394
(21) 2022246394 (22) 05.10.2022
(54) Method and system for determining a physical characteristic of a medium
(51) Int. Cl.
G01S 7/523 (2006.01)
A61B 8/08 (2006.01)
G01S 7/28 (2006.01)
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G01R 31/00 (2006.01)
G07C 5/08 (2006.01)
G05B 23/02 (2006.01)
G08C 17/02 (2006.01)
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(72) FIELD, Chris
(74) Patenteur Pty Ltd
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A61J 3/10 (2006.01)
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H01M 50/516 (2021.01)
- H01H 85/04** (2006.01)
H01M 50/503 (2021.01)
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A47L 9/24 (2006.01)
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H04N 19/176 (2014.01)
G01B 11/00 (2006.01)
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 C40B 20/04 (2006.01)
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A61K 8/31 (2006.01)
A61K 8/04 (2006.01)
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(54) Cell culturing system and method
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C12M 3/00 (2006.01)
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C07K 16/12 (2006.01)
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(54) Method and device for coordinating vehicle routes in confined areas
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G01C 21/34 (2006.01)
G05D 1/02 (2020.01)
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A61B 5/0215 (2006.01)
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(72) MINOR, David J.; TRAPP, Benjamin M.; VECCHIO, Christopher J.
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B29C 70/22 (2006.01)
B29C 35/02 (2006.01)
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(72) Bomphray, Iain
(74) FPA Patent Attorneys Pty Ltd

(71) Weber, P.
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(54) Selective Predator Incapacitation Device & Methods
(51) Int. Cl.
A01M 23/20 (2006.01)
A01M 25/00 (2006.01)
A01M 27/00 (2006.01)
A01M 31/00 (2006.01)
G06V 40/10 (2022.01)
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(72) Weber, Paul
(74) Paul Weber

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(54) Climbing Product Having an Extendable Section Lock Assembly, and Methods for Using and Producing a Climbing Product
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E06C 7/06 (2006.01)
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(74) BOSH IP Pty Ltd

(71) West Virginia University Research Corporation
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C25B 1/00 (2021.01)
C25B 11/04 (2021.01)
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(72) RUTT, J. Steven
(74) FB Rice Pty Ltd

(71) Wix.com Ltd.
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(54) System and method for handling overlapping objects in visual editing systems
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G06F 40/10 (2020.01)
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(72) Fialkow, Roni
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(54) INVENTORY CONTROL SYSTEM WITH INTEGRATED ID TAGS
(51) Int. Cl.
H04W 84/18 (2009.01)
G06K 19/00 (2006.01)
G06Q 10/0833 (2023.01)
G06Q 50/28 (2012.01)
G08B 13/24 (2006.01)
H04L 67/1087 (2022.01)
H04W 4/80 (2018.01)
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(72) Solomon, Stanley B.
(74) Madderns Pty Ltd

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- (71) Yunjing Intelligence Technology (Dongguan) Co., Ltd.
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(21) 2023202609 (22) 28.04.2023
(54) Turntable Structure, Mopping Device, And Robot
(51) Int. Cl.
A47L 11/282 (2006.01)
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A47L 11/40 (2006.01)
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(74) WRAYS PTY LTD
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- (71) Zimmer, Inc.
(11) AU-A-2023202761
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(54) REVISION KNEE ARTHROPLASTY METHODS AND INSTRUMENTS
(51) Int. Cl.
A61F 2/46 (2006.01)
A61B 17/16 (2006.01)
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2022202282	GREEN PLUS CO., LTD.; PARK, Y.H.	2023202534	University of Southern California; Research Institute at Nationwide Children's Hospital; Ohio State Innovation Foundation
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2022228178	Nanjing Chervon Industry Co., Ltd.	2023202563	Solidus Ventures GmbH; Frauchiger, D.; Samuels, E.
2022228211	Instrumentation Laboratory Company	2023202564	Tencent America LLC
2022231757	State Grid Shanghai Municipal Electric Power Com- pany; Shanghai University of Electric Power	2023202565	Emerald Cloud Lab, Inc.
2022235522	Framy Inc.	2023202566	Angel Group Co., Ltd.
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2022256134	Snap-On Incorporated	2023202588	Suntory Holdings Limited
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2023202638	Gallagher, S.	2023202732	Tencent America LLC
2023202639	Weber, P.	2023202733	Coulter Ventures, LLC
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2023202646	Cripps Clark, J.	2023202735	Opec Remediation Technologies Pty Limited
2023202648	Cirkul, Inc.	2023202737	Opec Remediation Technologies Pty Limited
2023202651	Dexcom, Inc.	2023202738	Opec Remediation Technologies Pty Limited
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2023202656	St. Jude Children's Research Hospital, Inc.	2023202745	Apple Inc.
2023202657	nthalmic holding Pty Ltd	2023202746	Novartis AG; Les Laboratoires Servier
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2023202660	The Board of Trustees of the Leland Stanford Junior University	2023202753	Fate Therapeutics, Inc.
2023202661	Ergomotion, Inc.	2023202754	Aristocrat Technologies Australia Pty Limited
2023202662	Pharma Consult Ges.m.b.H.	2023202756	Apple Inc.
2023202664	Wix.com Ltd.	2023202760	Huawei Technologies Co., Ltd.
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2023202669	CASE WESTERN RESERVE UNIVERSITY	2023202764	NuVasive, Inc.
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2023202671	Pharmacyclics LLC	2023202766	Canon Kabushiki Kaisha
2023202674	Joy Global Surface Mining Inc	2023202767	E Ink Corporation
2023202677	E. I. DU PONT DE NEMOURS AND COMPANY	2023202768	Nokia Solutions and Networks Oy
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2023202679	Gilead Sciences, Inc.	2023202771	Nexus Spine, LLC
2023202682	Apple Inc.	2023202772	Agios Pharmaceuticals, Inc.
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2023202685	Huawei Technologies Co., Ltd.		
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2023202688	Doosan Fuel Cell America, Inc.		
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2023202692	Medline Industries, LP		
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2023202696	Murfitts Industries Ltd; Pintat, B.; 11i Consulting GmbH		
2023202697	Honor Device Co., Ltd.		
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2023202703	Boston Scientific Scimed, Inc.		
2023202704	Endocyte, Inc.; Purdue Research Foundation		
2023202705	Turner Jr., E.L.		
2023202706	Nokia Technologies Oy		
2023202707	ProKidney		
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2023202709	Eli Lilly and Company		
2023202710	Aragon Pharmaceuticals, Inc.		
2023202712	Arizona Board of Regents on Behalf of The University of Arizona		
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2023202714	Dexcom, Inc.		
2023202716	Visibly, Inc.		
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2023202718	Alpine Immune Sciences, Inc.		
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(71) 1ST BIOTHERAPEUTICS, INC.
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 (21) 2021347913 (22) 27.09.2021
 (54) INDAZOLES AS HEMATOPOIETIC PROGENITOR KINASE 1 (HPK1) INHIBITORS AND METHODS OF USING SAME
 (51) Int. Cl.
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 (87) WO2022/064458
 (31) 63/084,059 (32) 28.09.20 (33) US
 (43) 31.03.2022
 (72) LEE, Jinhwa; JO, Suyeon; LIM, Keon-seung; PARK, A Yeong; GORAK-SHNATH, Gadhe Changdev; NAM, Hwajung; JEON, Yeonguk; HWANG, Yejin; KIM, Jae Eun; KIM, Misoon; LIM, Seung Mook
 (74) RNB IP PTY LTD

(71) 6K INC.
 (11) AU-A-2021349379
 (21) 2021349379 (22) 24.09.2021
 (54) METHOD AND APPARATUS FOR FEEDING MATERIAL INTO A PLASMA
 (51) Int. Cl.
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 (87) WO2022/067338
 (31) 63/083,204 (32) 25.09.20 (33) US
 (43) 31.03.2022
 (72) MATYS, Pawel; KOZLOWSKI, Michael; REDJDAL, Makhlof; CARUSO, Joseph Robert; SHANG, Zongren
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) ABLEVIA BIOTECH GMBH
 (11) AU-A-2021347581
 (21) 2021347581 (22) 23.09.2021
 (54) COMPOUND FOR THE PREVENTION OR TREATMENT OF AUTOANTIBODY-MEDIATED CONDITIONS
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C07K 14/705 (2006.01)
 (87) WO2022/063882
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 (72) SMRZKA, Oskar; WANKO, Bettina
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ABLEVIA BIOTECH GMBH
 (11) AU-A-2021347582
 (21) 2021347582 (22) 23.09.2021
 (54) COMPOUND FOR INCREASING THE EFFICACY OF FACTOR VIII REPLACEMENT THERAPY
 (51) Int. Cl.
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 (72) SMRZKA, Oskar; WANKO, Bettina
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) COMPOUND FOR THE PREVENTION OR TREATMENT OF MYASTHENIA GRAVIS
 (51) Int. Cl.
C07K 17/06 (2006.01)
A61K 47/64 (2017.01)
A61K 47/68 (2017.01)
C07K 14/705 (2006.01)
 (87) WO2022/063880
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 (72) SMRZKA, Oskar; WANKO, Bettina
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) COMPOUND FOR THE SEQUESTRATION OF UNDESIRABLE ANTI-PEG ANTIBODIES IN A PATIENT
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A61K 47/64 (2017.01)
A61K 47/60 (2017.01)
A61K 47/68 (2017.01)
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 (54) CO-LYOPHILIZED RNA AND NANOSTRUCTURED LIPID CARRIER
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A61K 9/107 (2006.01)
A61K 9/19 (2006.01)
A61K 47/26 (2006.01)
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 (54) SYSTEMS AND METHODS FOR THREAT RESPONSE
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H04L 41/14 (2022.01)
H04L 41/28 (2022.01)
 (87) WO2022/072789
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 (74) WRAYS PTY LTD

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 (54) SYSTEMS AND METHODS FOR ASSET FINGERPRINTING CROSS REFERENCE TO RELATED APPLICATIONS
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 (54) SYSTEM AND METHOD FOR RECONNAISSANCE OF A COMPUTER ENVIRONMENT
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G06F 21/57 (2013.01)
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(54) SYSTEM AND METHOD FOR ASSESSING OPERATIONAL STATES OF A COMPUTER ENVIRONMENT
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G06F 11/34 (2006.01)
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G06F 21/57 (2013.01)
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B01D 29/11 (2006.01)
A47J 31/60 (2006.01)
B01D 27/08 (2006.01)
B01D 29/96 (2006.01)
B01D 35/027 (2006.01)
B01D 35/153 (2006.01)
C02F 1/00 (2023.01)
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G06Q 10/04 (2023.01)
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A61B 17/17 (2006.01)
A61F 2/38 (2006.01)
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A61B 17/15 (2006.01)
A61F 2/46 (2006.01)
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F21V 3/02 (2006.01)
A63H 3/06 (2006.01)
F21V 23/04 (2006.01)
G09F 19/00 (2006.01)
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(74) Patenteur Pty Ltd
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F23Q 13/00 (2006.01)
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B65G 7/12 (2006.01)
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H04L 9/40 (2022.01)
G06F 21/32 (2013.01)
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B01F 33/80 (2022.01)
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A61K 31/365 (2006.01)
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A61K 31/7034 (2006.01)
A61K 36/19 (2006.01)
A61K 36/28 (2006.01)
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A61K 36/537 (2006.01)
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A61K 36/73 (2006.01)
A61P 31/12 (2006.01)
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G06N 3/04 (2023.01)
G06T 7/521 (2017.01)
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A61P 1/16 (2006.01)
A61K 9/20 (2006.01)
A61K 31/711 (2006.01)
A61K 38/48 (2006.01)
A61P 9/10 (2006.01)
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 C12Q 1/6816 (2018.01)
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 C07D 417/14 (2006.01)
 A61K 31/506 (2006.01)
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 C01G 25/06 (2006.01)
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 E21B 33/12 (2006.01)
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 A63C 17/10 (2006.01)
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 A61M 25/00 (2006.01)
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A01P 13/00 (2006.01)
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A61K 31/198 (2006.01)
A61P 1/00 (2006.01)
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OR SYSTEM
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G09G 3/20 (2006.01)
G02B 5/20 (2006.01)
G02F 1/1335 (2006.01)
G09G 3/34 (2006.01)
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USING THE SAME
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G06Q 10/00 (2023.01)
G06K 7/10 (2006.01)
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Ashley, Rachel
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PUMP
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F04B 9/02 (2006.01)
A61M 5/145 (2006.01)
F04B 9/04 (2006.01)
F04B 13/00 (2006.01)
F04B 27/08 (2006.01)
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HAVING A PROBE ASSEMBLY WITH
AN INTEGRATED FLUID FLUSHING
MECHANISM
(51) Int. Cl.
A61M 25/01 (2006.01)
A61M 5/178 (2006.01)
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HARDING, Weston, F.; MA, Yiping;
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HEMOLYSIS PROTECTION
(51) Int. Cl.
A61M 5/168 (2006.01)
A61M 5/14 (2006.01)
A61M 5/178 (2006.01)
A61M 25/06 (2006.01)
A61M 39/00 (2006.01)
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Karl; CICILIANO, Jordan
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(54) SYSTEMS AND METHODS FOR IMA-
GING AND IMAGE-BASED ANALYSIS
OF TEST DEVICES
(51) Int. Cl.
B01L 3/00 (2006.01)
G01N 21/25 (2006.01)
G01N 21/29 (2006.01)
G01N 21/78 (2006.01)
G01N 21/79 (2006.01)
G01N 33/52 (2006.01)
G01N 33/543 (2006.01)
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 (54) INJECTION DEVICE WITH SENSOR ASSEMBLY
 (51) Int. Cl.
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A61M 5/31 (2006.01)
A61M 5/315 (2006.01)
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 (72) LE GAL REDON, Patrick
 (74) FB Rice Pty Ltd
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- (71) BGI SHENZHEN; BGI SHENZHEN GROUP HOLDINGS CO., LIMITED
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 (54) MODIFIED NUCLEOSIDE OR NUCLEOTIDE
 (51) Int. Cl.
C07H 19/10 (2006.01)
C12Q 1/68 (2018.01)
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 (74) Davies Collison Cave Pty Ltd
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- (71) BIOTHEUS INC.
 (11) AU-A-2021345856
 (21) 2021345856 (22) 17.09.2021
 (54) ANTI-4-1BB-ANTI-PD-L1 BISPECIFIC ANTIBODY, AND PHARMACEUTICAL COMPOSITION AND USE THEREOF
 (51) Int. Cl.
C07K 16/46 (2006.01)
A61K 39/395 (2006.01)
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C12N 15/13 (2006.01)
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A61K 31/495 (2006.01)
A61P 35/00 (2006.01)
A61P 35/04 (2006.01)
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- (71) BOVETA NUTRITION LLC
 (11) AU-A-2021365515
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 (54) METHOD OF PRODUCING ANIMAL FEED FOR IMPROVED PROTEIN UTILIZATION
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A23K 50/00 (2016.01)
A23K 20/147 (2016.01)
A23K 50/10 (2016.01)
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G06V 20/69 (2022.01)
G06F 18/213 (2023.01)
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 (21) 2021353687 (22) 29.09.2021
 (54) INTEGRATED ELECTRIC DRIVING SYSTEM, AND ELECTRIC VEHICLE
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B60K 1/00 (2006.01)
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 (54) UNIT FOR DIRECT SORPTION DRYING AND METHODS THEREOF
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F26B 21/08 (2006.01)
F26B 21/10 (2006.01)
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 (54) METHOD FOR LABELING NUCLEIC ACID
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C12Q 1/6806 (2018.01)
C07D 417/12 (2006.01)
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 (54) GAS SPRING AND RELATIVE SAFETY SYSTEM
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F16F 9/02 (2006.01)
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C07C 275/62 (2006.01)
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F02F 1/16 (2006.01)
F02F 11/00 (2006.01)
F16J 15/00 (2006.01)
F16J 15/02 (2006.01)
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(72) ROCKWELL, Andrew D.; CHITTENDEN, Jonathan R.
(74) FPA Patent Attorneys Pty Ltd
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(54) FILTRATION DEVICE HAVING A LATCH MECHANISM
(51) Int. Cl.
B01D 46/00 (2022.01)
B01D 46/10 (2006.01)
B01D 46/52 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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B01D 35/30 (2006.01)
B01D 46/00 (2022.01)
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(54) POLYNUCLEOTIDE VACCINES AND METHODS OF USING THE SAME
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A61K 38/19 (2006.01)
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A61K 31/277 (2006.01)
A61K 9/06 (2006.01)
A61K 31/4406 (2006.01)
A61P 5/26 (2006.01)
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(21) 2020478575 (22) 25.11.2020
(54) NUCLEIC ACID AMPLIFICATION SYSTEM AND METHOD THEREOF
(51) Int. Cl.
C12Q 1/6876 (2018.01)
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(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd
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B01D 53/22 (2006.01)
C10G 11/18 (2006.01)
F25J 3/08 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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G06F 16/215 (2019.01)
G06F 16/22 (2019.01)
G06F 16/2455 (2019.01)
G06F 16/26 (2019.01)
G06F 16/27 (2019.01)
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G06Q 50/06 (2012.01)
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(74) Madderns Pty Ltd
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(21) 2021343589 (22) 17.09.2021
(54) INFORMATION TRANSMISSION METHOD AND APPARATUS, AND COMPUTER READABLE STORAGE MEDIUM
(51) Int. Cl.
H04W 72/04 (2023.01)
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(74) Adams Pluck
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(21) 2021363258 (22) 18.10.2021
(54) INFORMATION TRANSMISSION METHOD AND APPARATUS, AND RELATED DEVICES AND STORAGE MEDIUM
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H04W 72/12 (2023.01)
H04L 1/18 (2023.01)
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(74) Adams Pluck
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(54) OPERATING MECHANISM OF CIRCUIT BREAKER
(51) Int. Cl.
H01H 71/10 (2006.01)
H01H 71/52 (2006.01)
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(31) 202110355281.2 (32) 01.04.21 (33) CN
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(72) AO, Denggui; YAN, Lijun; LU, Dengyu; FU, Hao
(74) IP SOLVED (ANZ) PTY. LTD.

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 (11) AU-A-2022248029
 (21) 2022248029 (22) 31.03.2022
 (54) OPERATING MECHANISM OF CIRCUIT BREAKER AND ASSEMBLING METHOD
 (51) Int. Cl.
H01H 71/10 (2006.01)
 (87) WO2022/206902
 (31) 202110355527.6 (32) 01.04.21 (33) CN
 (43) 06.10.2022
 (72) AO, Denggui; YAN, Lijun; FU, Hao; XU, Yongfu
 (74) IP SOLVED (ANZ) PTY. LTD.

(71) CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
 (11) AU-A-2022248345
 (21) 2022248345 (22) 31.03.2022
 (54) OPERATING MECHANISM OF CIRCUIT BREAKER, AND CIRCUIT BREAKER
 (51) Int. Cl.
H01H 71/24 (2006.01)
H01H 71/10 (2006.01)
 (87) WO2022/206919
 (31) 202110355214.0 (32) 01.04.21 (33) CN
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 (72) AO, Denggui; FU, Hao; XU, Yongfu
 (74) IP SOLVED (ANZ) PTY. LTD.

(71) CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
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H01H 71/10 (2006.01)
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C07D 413/10 (2006.01)
A61K 31/4245 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/444 (2006.01)
C07D 413/14 (2006.01)
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G01N 23/221 (2006.01)
G01N 23/2208 (2018.01)
G21G 1/12 (2006.01)
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 (72) TICKNER, James
 (74) Allens Patent & Trade Mark Attorneys

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 (54) COMMERCIAL GRADE ULTRA-LOW SULPHUR DIESEL PRODUCTION PROCESS FROM MIXED WASTE PLASTICS PYROLYSIS OIL
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C10G 1/10 (2006.01)
B01J 19/00 (2006.01)
C10G 11/18 (2006.01)
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A01K 15/02 (2006.01)
A01M 29/06 (2011.01)
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H04B 7/024 (2017.01)
H04B 7/0413 (2017.01)
H04L 1/16 (2023.01)
H04W 16/32 (2009.01)
H04W 72/04 (2023.01)
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C12Q 1/6876 (2018.01)
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C02F 1/68 (2023.01)
B01J 41/00 (2006.01)
B01J 49/07 (2017.01)
C01C 3/12 (2006.01)
C02F 1/42 (2023.01)
C22B 3/20 (2006.01)
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C22B 11/08 (2006.01)
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A61P 35/00 (2006.01)
A61P 35/02 (2006.01)
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G06Q 50/06 (2012.01)
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G06Q 50/06 (2012.01)
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G06Q 50/06 (2012.01)
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B65G 1/04 (2006.01)
B65G 1/137 (2006.01)
G06Q 10/00 (2023.01)
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C12N 9/14 (2006.01)
A61K 38/46 (2006.01)
A61K 47/68 (2017.01)
A61P 3/00 (2006.01)
C12N 15/62 (2006.01)
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A46B 9/04 (2006.01)
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A61L 31/10 (2006.01)
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C12N 15/113 (2010.01)
A61K 31/713 (2006.01)
A61P 25/00 (2006.01)
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B60G 17/015 (2006.01)
B60G 15/06 (2006.01)
B62D 17/00 (2006.01)
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H05B 47/19 (2020.01)
F21V 23/00 (2015.01)
H02S 10/40 (2014.01)
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H05B 45/10 (2020.01)
H05B 47/11 (2020.01)
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C05G 5/14 (2020.01)
C02F 11/12 (2019.01)
C05F 3/00 (2006.01)
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C05G 1/00 (2006.01)
C05G 5/40 (2020.01)
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F24C 15/20 (2006.01)
A47J 36/00 (2006.01)
F24C 7/08 (2006.01)
F24C 15/10 (2006.01)
G01K 11/26 (2006.01)
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H04W 4/50 (2018.01)
H04L 12/28 (2006.01)
H04L 41/0803 (2022.01)
H04L 67/00 (2022.01)
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G06V 20/52 (2022.01)
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A61K 9/00 (2006.01)
A61K 9/06 (2006.01)
A61K 36/00 (2006.01)
A61K 47/34 (2017.01)
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B01D 21/00 (2006.01)
C02F 1/00 (2023.01)
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C07C 201/08 (2006.01)
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(54) BIOERODIBLE OCULAR DRUG DELIVERY INSERT AND THERAPEUTIC METHOD
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G01D 5/353 (2006.01)
G01H 9/00 (2006.01)
G01N 21/47 (2006.01)
G08B 13/186 (2006.01)
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A61F 2/32 (2006.01)
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G06T 17/00 (2006.01)
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G16H 20/40 (2018.01)
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A23J 1/00 (2006.01)
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A23J 3/20 (2006.01)
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A23L 33/145 (2016.01)
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A61P 37/02 (2006.01)
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B82Y 5/00 (2011.01)
C07C 229/12 (2006.01)
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C12N 15/88 (2006.01)
A61K 9/127 (2006.01)
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C07C 29/80 (2006.01)
A23L 27/20 (2016.01)
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C07C 13/48 (2006.01)
C07C 29/88 (2006.01)
C07C 35/36 (2006.01)
C11B 9/02 (2006.01)
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A23B 4/20 (2006.01)
A23J 3/22 (2006.01)
A23L 3/3472 (2006.01)
A23L 13/40 (2023.01)
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C07C 1/24 (2006.01)
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G08B 13/196 (2006.01)
H04N 23/51 (2023.01)
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H04B 7/024 (2017.01)
H04B 7/06 (2006.01)
H04B 7/08 (2006.01)
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B65D 5/26 (2006.01)
B65D 5/20 (2006.01)
B65D 5/28 (2006.01)
B65D 5/30 (2006.01)
B65D 77/20 (2006.01)
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 (51) Int. Cl.
B65D 5/26 (2006.01)
B65D 5/20 (2006.01)
B65D 5/28 (2006.01)
B65D 5/30 (2006.01)
B65D 77/20 (2006.01)
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A61M 5/32 (2006.01)
A61M 5/158 (2006.01)
A61M 5/178 (2006.01)
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C07D 221/20 (2006.01)
A61K 31/438 (2006.01)
A61P 25/00 (2006.01)
C07D 401/12 (2006.01)
C07D 401/14 (2006.01)
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A45C 11/20 (2006.01)
A45F 5/02 (2006.01)
G06F 1/16 (2006.01)
H04B 1/38 (2015.01)
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<p>(71) HILL'S PET NUTRITION, INC. (11) AU-A-2021362679 (21) 2021362679 (22) 12.10.2021 (54) PET FOOD COMPOSITIONS (51) Int. Cl. A23K 10/30 (2016.01) A23K 20/158 (2016.01) A23K 20/163 (2016.01) A23K 50/42 (2016.01) (87) WO2022/081524 (31) 63/091,513 (32) 14.10.20 (33) US (43) 21.04.2022 (72) BADRI, Dayakar; JEWELL, Dennis (74) FOUNDRY INTELLECTUAL PROP- ERTY PTY LTD</p>	<p>(71) HUMANWELL HEALTHCARE (GROUP) CO., LTD.; WUHAN HU- MANWELL INNOVATIVE DRUG RE- SEARCH AND DEVELOPMENT CEN- TER LIMITED COMPANY (11) AU-A-2021353722 (21) 2021353722 (22) 30.09.2021 (54) BENZAMIDE COMPOUND AND USE THEREOF (51) Int. Cl. C07D 417/12 (2006.01) A61K 31/427 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61P 13/00 (2006.01) A61P 13/08 (2006.01) A61P 25/04 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) C07D 417/14 (2006.01) (87) WO2022/068930 (31) 202011059868.0 (32) 30.09.20 (33) CN 202110296983.8 19.03.21 CN (43) 07.04.2022 (72) ZHANG, Xuejun; ZANG, Yang; LI, Xueqiang; YANG, Chengbing; WANG, Yonggang; ZHANG, Bo; LI, Yang; LIU, Lifei; YANG, Jun; LI, Lie (74) MINTER ELLISON</p>	<p>(71) ILLINOIS TOOL WORKS (11) AU-A-2021461417 (22) 25.08.2021 (54) IMPROVEMENTS RELATING TO IN- STALLATION OF RIBBON PLATES (51) Int. Cl. E04B 2/70 (2006.01) (87) WO2023/026069 (43) 02.03.2023 (72) KENNELLY, Bernard (74) Davies Collison Cave Pty Ltd</p>
<p>(71) HOLLISTER INCORPORATED (11) AU-A-2021387892 (21) 2021387892 (22) 18.11.2021 (54) OSTOMY PRODUCT WITH ANTI-RE- FLUX DEVICE (51) Int. Cl. A61F 5/445 (2006.01) (87) WO2022/115304 (31) 63/118,095 (32) 25.11.20 (33) US (43) 02.06.2022 (72) NIELSEN, Kenneth (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(71) ICU MEDICAL, INC. (11) AU-A-2021337529 (21) 2021337529 (22) 30.08.2021 (54) IDENTITY-BASED SECURE MEDICAL DEVICE COMMUNICATIONS (51) Int. Cl. G06F 15/173 (2006.01) G16H 20/17 (2018.01) G16H 40/67 (2018.01) H04L 9/30 (2006.01) (87) WO2022/051230 (31) 202011038396 (32) 05.09.20 (33) IN 63/108,141 30.10.20 US (43) 10.03.2022 (72) VIVEK, S. Sree; DANDEKAR, Hrishikesh Anil; ROHLWING, Mark C.; SRINIVASAMURTHY, Chaitanya Mattur (74) Davies Collison Cave Pty Ltd</p>	<p>(71) ILLINOIS TOOL WORKS INC. (11) AU-A-2021367870 (22) 18.10.2021 (54) CONVEYOR WAREWASHER AND METHOD FOR OPERATING A CON- VEYOR WAREWASHER (51) Int. Cl. A47L 15/24 (2006.01) A47L 15/42 (2006.01) A47L 15/00 (2006.01) (87) WO2022/093556 (31) 10 2020 128 333.4 (32) 28.10.20 (33) DE (43) 05.05.2022 (72) DISCH, Harald (74) Davies Collison Cave Pty Ltd</p>
<p>(71) HUAWEI TECHNOLOGIES CO., LTD. (11) AU-A-2020470490 (21) 2020470490 (22) 29.09.2020 (54) COMMUNICATION METHOD, DEVICE, AND SYSTEM FOR LOSSLESS DATA TRANSMISSION (51) Int. Cl. H04W 36/00 (2009.01) (87) WO2022/067592 (43) 07.04.2022 (72) ZHU, Yuanping; SHI, Yulong; CAO, Zhenzhen (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(71) IDEAYA BIOSCIENCES INC. (11) AU-A-2021339579 (21) 2021339579 (22) 07.09.2021 (54) PHARMACEUTICAL COMBINATION AND TUMOR TREATMENT (51) Int. Cl. A61K 31/5025 (2006.01) A61K 31/517 (2006.01) A61K 31/53 (2006.01) (87) WO2022/055893</p>	<p>(71) ILLUMINA, INC. (11) AU-A-2021391314 (22) 24.11.2021 (54) WELL ASSEMBLIES AND RELATED METHODS (51) Int. Cl. B01L 3/00 (2006.01) (87) WO2022/119744 (31) 63/120,130 (32) 01.12.20 (33) US (43) 09.06.2022 (72) MAR, Cameron; TAHERI, Payam; DE- LATTRE, Cyril; CRIVELLI, Paul; COX- MURANAMI, Wesley; CAO, Zhenning; BECKMAN, Travis; DAVIDSON, Justin (74) Madderns Pty Ltd</p>
<p>(71) HUAWEI TECHNOLOGIES CO., LTD. (11) AU-A-2021347699 (21) 2021347699 (22) 02.04.2021 (54) COMMUNICATION METHOD, APPAR- ATUS AND SYSTEM (51) Int. Cl.</p>	<p>(71) IMMERSIVE ROBOTICS PTY LTD (11) AU-A-2020368118 (21) 2020368118 (22) 16.10.2020 (54) CONTENT COMPRESSION FOR NET- WORK TRANSMISSION (51) Int. Cl. H04N 19/00 (2014.01) G02B 27/01 (2006.01) H04N 19/10 (2014.01) H04N 19/167 (2014.01) (87) WO2021/072498 (43) 22.04.2021 (72) FITZGERALD, Daniel Liam; LAMB, Rodney Ian (74) Davies Collison Cave Pty Ltd</p>	<p>(71) ILLUMINA, INC. (11) AU-A-2021391314 (22) 24.11.2021 (54) WELL ASSEMBLIES AND RELATED METHODS (51) Int. Cl. B01L 3/00 (2006.01) (87) WO2022/119744 (31) 63/120,130 (32) 01.12.20 (33) US (43) 09.06.2022 (72) MAR, Cameron; TAHERI, Payam; DE- LATTRE, Cyril; CRIVELLI, Paul; COX- MURANAMI, Wesley; CAO, Zhenning; BECKMAN, Travis; DAVIDSON, Justin (74) Madderns Pty Ltd</p>

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 (51) Int. Cl.
 A61M 1/34 (2006.01)
 A61M 1/36 (2006.01)
 B01J 20/32 (2006.01)
 C07K 14/525 (2006.01)
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 (87) WO2022/071960
 (31) 17/061,246 (32) 01.10.20 (33) US
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 (72) JOSEPHS, Steven; JAFRI, Amir;
 RAPTIS, Mark
 (74) Pizeys Patent and Trade Mark Attor-
 neys Pty Ltd
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- (71) INNER MONGOLIA YILI INDUSTRIAL
 GROUP CO., LTD; INNER MONGOLIA
 DAIRY TECHNOLOGY RESEARCH
 INSTITUTE CO., LTD
 (11) AU-A-2021354395
 (21) 2021354395 (22) 22.02.2021
 (54) WHEY PROTEIN COMPOSITION,
 AND PREPARATION METHOD
 THEREFOR AND USE THEREOF
 (51) Int. Cl.
 A23J 1/20 (2006.01)
 A23C 9/142 (2006.01)
 A23L 33/19 (2016.01)
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 VASILJEVIC, Todor; ZHANG,
 Xingchang; WANG, Caiyun; SZETO,
 Ignatius Man-Yau; QU, Peng; LUO,
 Shubo; YUN, Zhanyou; FENG, Haotian
 (74) Ellis Terry
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 (11) AU-A-2021336529
 (21) 2021336529 (22) 03.09.2021
 (54) MEDICAL DEVICE FOR FEMALE RE-
 PRODUCTIVE HEALTH AND METHOD
 OF USE
 (51) Int. Cl.
 A61B 17/42 (2006.01)
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 J.; WALKER, Marshall; KRUMME, John
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 SHEARS WITH CONTACTLESS SE-
 CURITY SYSTEM
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 A01G 3/037 (2006.01)
 B26B 15/00 (2006.01)
 F16P 3/12 (2006.01)
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 (31) 20306015.7 (32) 11.09.20 (33) EP
 (43) 17.03.2022
 (72) GAUTIER, David; GOUT, Christophe;
 ESKILDSEN, Jørn; KOFOED KIER-
 STEIN, Lau
 (74) Davies Collison Cave Pty Ltd
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- (71) INSITRO, INC.
 (11) AU-A-2021339584
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 (54) BIOLOGICAL IMAGE TRANSFORM-
 ATION USING MACHINE-LEARNING
 MODELS
 (51) Int. Cl.
 G06T 11/00 (2006.01)
 G06V 10/44 (2022.01)
 G06N 3/02 (2006.01)
 (87) WO2022/055903
 (31) 63/075,751 (32) 08.09.20 (33) US
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 (72) MARIE-NELLY, Herve; VELAYUTHAM,
 Jeevaa
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 (21) 2021369679 (22) 28.10.2021
 (54) DRY POWDER COMPOSITIONS OF
 TREPROSTINIL PRODRUGS AND
 METHODS OF USE THEREOF
 (51) Int. Cl.
 A61K 31/192 (2006.01)
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 (72) DU, Ju; PLAUNT, Adam; MALININ,
 Vladimir; PARIKH, Maulikkumar; AMIN,
 Harshh; PALWAI, Naveen
 (74) RNB IP PTY LTD
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- (71) INSTAPATH, INC.
 (11) AU-A-2021340646
 (21) 2021340646 (22) 09.09.2021
 (54) SYSTEMS FOR DELIVERY OF A LI-
 QUID TO AND REMOVAL OF A LI-
 QUID FROM A SAMPLE
 (51) Int. Cl.
 G01N 1/31 (2006.01)
 (87) WO2022/056054
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 (72) LUETHY, Samuel, Jacob; TULMAN,
 David, Benjamin; BROWN, Jonathon,
 Quincy; WANG, Mei
 (74) Griffith Hack
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 (11) AU-A-2021356121
 (21) 2021356121 (22) 07.10.2021
 (54) A SORTILIN ANTAGONIST FOR USE
 IN THE PREVENTION OR TREAT-
 MENT OF HEARING LOSS
 (51) Int. Cl.
 A61K 31/00 (2006.01)
 A61K 31/19 (2006.01)
 A61K 31/192 (2006.01)
 A61K 31/194 (2006.01)
 A61K 31/40 (2006.01)
 A61K 31/41 (2006.01)
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 A61K 31/4155 (2006.01)
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 A61K 39/00 (2006.01)
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 A61P 25/00 (2006.01)
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 (31) 20200566.6 (32) 07.10.20 (33) EP
 (43) 14.04.2022
 (72) KJØLBY, Mads Fuglsang; NYKJÆR,
 Anders; LITTLE, Paul; CASES, Manuel
 (74) WRAYS PTY LTD
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- (71) INVENTIO AG
 (11) AU-A-2021351853
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 (54) ELEVATOR SYSTEM
 (51) Int. Cl.
 B66B 19/00 (2006.01)
 (87) WO2022/069316
 (31) 20199522.2 (32) 01.10.20 (33) EP
 (43) 07.04.2022
 (72) CHRISTEN, Lukas; EGLI, Roland;
 WEBER, Stefan
 (74) Griffith Hack
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- (71) ISHIHARA SANGYO KAISHA, LTD.
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 (54) LIQUID PHARMACEUTICAL COM-
 POSITION DEMONSTRATING EXCEL-
 LENT PRESERVATION EFFICACY
 (51) Int. Cl.
 A61K 31/44 (2006.01)
 A61K 9/08 (2006.01)
 A61K 31/045 (2006.01)
 A61K 47/26 (2006.01)
 A61K 47/36 (2006.01)
 A61P 1/00 (2006.01)
 A61P 1/16 (2006.01)
 A61P 1/18 (2006.01)
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 (72) SHINDO Takeshi
 (74) Davies Collison Cave Pty Ltd
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- (71) ITRON, INC.
 (11) AU-A-2021400667

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 (54) DETERMINING BACKFLOW CONDITION IN WATER DISTRIBUTION SYSTEM
 (51) Int. Cl.
E03B 7/07 (2006.01)
G01F 25/10 (2022.01)
 (87) WO2022/132594
 (31) 17/126,244 (32) 18.12.20 (33) US
 (43) 23.06.2022
 (72) KANN, James, Lee; MURTHY, Adithya, Krishna; NARAYANASWAMY, Gokulmuthu; VADWA, Sahana
 (74) FPA Patent Attorneys Pty Ltd

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 (11) AU-A-2021402908
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 (54) DETERMINING ALTERNATIVE OUTCOME OR EVENT BASED ON AGGREGATED DATA
 (51) Int. Cl.
E03B 7/07 (2006.01)
G01F 25/10 (2022.01)
 (87) WO2022/132588
 (31) 17/126,240 (32) 18.12.20 (33) US
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 (72) VADWA, Sahana; MURTHY, Adithya, Krishna; NARAYANASWAMY, Gokulmuthu; KANN, James, Lee
 (74) FPA Patent Attorneys Pty Ltd

(71) ITRON, INC.
 (11) AU-A-2021411389
 (21) 2021411389 (22) 30.09.2021
 (54) SECURE TRIMMING OF BLOCKCHAIN IN A RESOURCE-CONSTRAINED NETWORK
 (51) Int. Cl.
H04W 12/106 (2021.01)
H04L 9/00 (2022.01)
H04L 9/40 (2022.01)
H04W 12/00 (2021.01)
H04W 84/18 (2009.01)
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 (31) 17/138,705 (32) 30.12.20 (33) US
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 (72) WHITE, Eric, Donald
 (74) FPA Patent Attorneys Pty Ltd

(71) ITRON, INC.
 (11) AU-A-2021412799
 (21) 2021412799 (22) 30.09.2021
 (54) FORMING A BLOCKCHAIN IN A LOW-BANDWIDTH, RESOURCE-CONSTRAINED NETWORK
 (51) Int. Cl.
H04L 9/32 (2006.01)
 (87) WO2022/146518
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 (43) 07.07.2022
 (72) WHITE, Eric, Donald
 (74) FPA Patent Attorneys Pty Ltd

(71) ITRON, INC.
 (11) AU-A-2021415915
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(54) SECURE BLOCKCHAIN DATA RECOVERY
 (51) Int. Cl.
H04L 9/32 (2006.01)
H04W 12/00 (2021.01)
 (87) WO2022/146520
 (31) 17/138,725 (32) 30.12.20 (33) US
 (43) 07.07.2022
 (72) WHITE, Eric, Donald
 (74) FPA Patent Attorneys Pty Ltd

(71) ITRON GLOBAL SARL
 (11) AU-A-2021415466
 (21) 2021415466 (22) 30.09.2021
 (54) UNIFIED SYSTEM FOR PRESSURE AND FLOWRATE MEASUREMENT
 (51) Int. Cl.
G01F 1/66 (2022.01)
G01F 1/667 (2022.01)
G01L 9/00 (2006.01)
G01L 9/08 (2006.01)
G01L 9/12 (2006.01)
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 (72) VAGO, Stephane; DURY, Herve
 (74) FPA Patent Attorneys Pty Ltd

(71) ITRONICS LIMITED
 (11) AU-A-2021333082
 (21) 2021333082 (22) 25.08.2021
 (54) A VENTILATION UNIT AND A SYSTEM FOR VENTILATING AN INDOOR SPACE
 (51) Int. Cl.
F24F 7/007 (2006.01)
F24F 7/02 (2006.01)
F24F 11/30 (2018.01)
F24F 110/12 (2018.01)
F24F 110/22 (2018.01)
F24F 110/52 (2018.01)
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 (31) 2020904880 (32) 31.08.20 (33) AU
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 (72) PUWAKDANDAWA, Hasith Kanchana
 (74) Catalyst Intellectual Property

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 (54) HOSE STORAGE CONTAINER
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B65H 75/44 (2006.01)
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 (72) BUCK, Larry, Ray
 (74) GLMR

(71) J2H BIOTECH INC.
 (11) AU-A-2021339298
 (21) 2021339298 (22) 02.09.2021
 (54) COMPOUNDS FOR SUPPRESSING EGFR MUTANT CANCER AND PHARMACEUTICAL USE THEREOF
 (51) Int. Cl.

C07D 401/14 (2006.01)
A61K 31/506 (2006.01)
A61P 35/00 (2006.01)
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 (74) Collison & Co

(71) Jiangsu Hengxin Technology Co., Ltd; Jiangsu Hengxin Wireless Technology Co., Ltd
 (11) AU-A-2022321036
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 (54) Phase shifter with adjustable output mode and antenna
 (51) Int. Cl.
H01Q 3/26 (2006.01)
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 (74) Peng Zhang

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 (11) AU-A-2021348592
 (21) 2021348592 (22) 24.09.2021
 (54) 1H-PYRROLO[2,3-C]PYRIDINE COMPOUNDS AND APPLICATION THEREOF
 (51) Int. Cl.
C07D 401/04 (2006.01)
A61K 31/407 (2006.01)
A61P 35/00 (2006.01)
C07D 401/00 (2006.01)
 (87) WO2022/063241
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 (72) QIAN, Wenyuan; WEI, Xiawei; YANG, Chundao; XU, Guanghai; JIANG, Ning; CHEN, Shuhui
 (74) WRAYS PTY LTD

(71) KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
 (11) AU-A-2021362270
 (21) 2021362270 (22) 28.07.2021
 (54) WHEEL LOAD ESTIMATION DEVICE AND PROGRAM
 (51) Int. Cl.
B60W 40/13 (2012.01)
G01G 19/03 (2006.01)
 (87) WO2022/079973
 (31) 2020-172729 (32) 13.10.20 (33) JP
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 (72) HATTORI Tatsuya; YAMAGUCHI Hiroyuki; MORI Daiki; HATTORI Yoshikazu; SUZUKI Noriyoshi
 (74) Griffith Hack

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(54) CARDIOVASCULAR SUPPORT PUMP HAVING AN IMPELLER WITH A VARIABLE FLOW AREA
(51) Int. Cl.
A61M 60/13 (2021.01)
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(72) BETTE, Johannes; POPOV, Vladimir; MITZE, Marvin
(74) Griffith Hack
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(51) Int. Cl.
C08K 5/544 (2006.01)
C08G 65/336 (2006.01)
C09J 171/02 (2006.01)
C09J 183/04 (2006.01)
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(31) 10 2020 128 608.2 (32) 30.10.20 (33) DE
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(72) BECKER-WEIMANN, Klaus; FRANK, Patrick; WUNDERLICH, Steffen
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(54) PRINTER WASTE DIVERTERS
(51) Int. Cl.
B41J 11/66 (2006.01)
B26D 5/08 (2006.01)
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B01D 53/62 (2006.01)
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A01N 43/52 (2006.01)
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C07D 235/04 (2006.01)
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C08K 5/3435 (2006.01)
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D06F 58/44 (2020.01)
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E02B 3/06 (2006.01)
E02B 9/00 (2006.01)

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F16P 1/02 (2006.01)
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A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
C07K 16/30 (2006.01)
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A61B 5/00 (2006.01)
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A23L 33/135 (2016.01)
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(11) AU-A-2021354361
(21) 2021354361 (22) 17.09.2021
(54) FILTRATION DEVICE, AND FILTRATION SYSTEM
(51) Int. Cl.
B01D 35/06 (2006.01)
- (87) WO2022/071002
(31) PCT/JP2020/037014 (32) 29.09.20 (33) JP
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(43) 07.04.2022
(72) OOMORI, Kazuki
(74) AJ PARK
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- (71) MOBA GROUP B.V.
(11) AU-A-2021339333
(21) 2021339333 (22) 13.09.2021
(54) A SYSTEM AND METHOD FOR HANDLING PACKAGING UNITS, AND MANIPULATOR UNIT.
(51) Int. Cl.
B65B 5/06 (2006.01)
B65B 5/10 (2006.01)
B65B 23/02 (2006.01)
B65B 43/46 (2006.01)
B65B 61/22 (2006.01)
- (87) WO2022/055356
(31) 2026455 (32) 11.09.20 (33) NL
(43) 17.03.2022
(72) ZWEEKHORST, Paul Henri; VERKUIJL, Simon Jan
(74) Griffith Hack
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- (71) MODIBODI AUSTRALIA PTY LTD
(11) AU-A-2021354328
(21) 2021354328 (22) 30.09.2021
(54) A FABRIC INSERT
(51) Int. Cl.
A61F 13/49 (2006.01)
A41B 9/00 (2006.01)
A41B 11/14 (2006.01)
A41C 3/00 (2006.01)
A61F 13/15 (2006.01)
A61F 13/539 (2006.01)
- (87) WO2022/067392
(31) 2020903529 (32) 30.09.20 (33) AU
(43) 07.04.2022
(72) CHONG, Kristy
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) MODRA TECHNOLOGY PTY LTD
(11) AU-A-2021340273
(21) 2021340273 (22) 08.09.2021
(54) YARN HANDLING SYSTEM
(51) Int. Cl.
B65H 67/02 (2006.01)
B65H 51/16 (2006.01)
B65H 57/00 (2006.01)
B65H 61/00 (2006.01)
B65H 67/04 (2006.01)
B65H 67/06 (2006.01)
B65H 67/08 (2006.01)
D02H 1/00 (2006.01)
- (87) WO2022/051803
(31) 2020903209 (32) 08.09.20 (33) AU
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(72) MODRA, Timothy, John; MODRA, Ryan, Daniel; CHUDLEIGH, David, Andrew; JACKSON, Thomas, Harold; SMITH, Andrew, Jason
(74) Griffith Hack
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- (71) MOMENTUM SCOOTERS LTD
(11) AU-A-2021356221
(21) 2021356221 (22) 01.10.2021
(54) WHEELED VEHICLE WITH TILT CONTROL
(51) Int. Cl.
B62K 5/023 (2013.01)
B62K 5/10 (2013.01)
- (87) WO2022/074362
(31) 2015964.6 (32) 08.10.20 (33) GB
(43) 14.04.2022
(72) MORGAN, Tom; RUSSELL-PAVIER, Frederick
(74) Flinders Lane IP
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- (71) MUSSEL POLYMERS, INC.
(11) AU-A-2021350173
(21) 2021350173 (22) 27.09.2021
(54) THIN FILM CATECHOL CONTAINING MATERIALS
(51) Int. Cl.
C09J 125/18 (2006.01)
C08F 212/08 (2006.01)
C08F 212/14 (2006.01)
C08J 7/043 (2020.01)

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C09J 7/50 (2018.01)
 C23C 22/18 (2006.01)
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(43) 31.03.2022
(72) MALOFSKY, Adam, Gregg; MALOFSKY, Bernard, Miles; STIEG, Jason, Andrew; SCHMIDT, David
(74) FPA Patent Attorneys Pty Ltd
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- (71)** MUSSEL POLYMERS, INC.
(11) AU-A-2021350175
(21) 2021350175 **(22)** 27.09.2021
(54) POLYMERS FOR BONDING CORAL
(51) Int. Cl.
C09J 7/22 (2018.01)
C08F 212/14 (2006.01)
C09J 125/18 (2006.01)
(87) WO2022/067181
(31) 63/083,896 **(32)** 26.09.20 **(33)** US
(43) 31.03.2022
(72) MALOFSKY, Adam, Gregg; MALOFSKY, Bernard, Miles; STIEG, Jason, Andrew; SCHMIDT, David; ANDERSON, Eric
(74) FPA Patent Attorneys Pty Ltd
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- (71)** MUSTANG BIO, INC.; CITY OF HOPE
(11) AU-A-2021342126
(21) 2021342126 **(22)** 09.09.2021
(54) COMBINATION THERAPY COMPRISING CANCER-TARGETED CAR-T CELLS AND A METHOD OF USING SAME FOR A TREATMENT FOR CANCER
(51) Int. Cl.
A61P 35/00 (2006.01)
A61K 35/17 (2015.01)
A61K 35/763 (2015.01)
A61K 38/17 (2006.01)
A61K 39/00 (2006.01)
C07K 14/725 (2006.01)
(87) WO2022/056085
(31) 63/076,805 **(32)** 10.09.20 **(33)** US
(43) 17.03.2022
(72) NISS, Knut; KASSIM, Sadik H.; BROWN, Christine E.; FORMAN, Stephen J.; BADIE, Behnam
(74) FB Rice Pty Ltd
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- (71)** NAIR, H.K.
(11) AU-A-2021354977
(21) 2021354977 **(22)** 01.10.2021
(54) BARRIER LAMINATE AND IMPLEMENTATIONS THEREOF
(51) Int. Cl.
B32B 27/08 (2006.01)
B32B 27/30 (2006.01)
B32B 27/32 (2006.01)
B32B 27/34 (2006.01)
B32B 33/00 (2006.01)
B32B 37/00 (2006.01)
B65D 65/40 (2006.01)
(87) WO2022/070214
(31) 202021042871 **(32)** 01.10.20 **(33)** IN
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- (43)** 07.04.2022
(72) NAIR, Hariharan Krishnan; POZHAL VENGU, Gurunath
(74) FB Rice Pty Ltd
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- (71)** NANJING IRON & STEEL CO., LTD.
(11) AU-A-2020467306
(21) 2020467306 **(22)** 02.12.2020
(54) THICK LOW-CARBON-EQUIVALENT HIGH-TOUGHNESS WEAR-RESISTANT STEEL PLATE AND MANUFACTURING METHOD THEREFOR
(51) Int. Cl.
C22C 38/02 (2006.01)
C21D 8/02 (2006.01)
(87) WO2022/052335
(31) 202010951095.0 **(32)** 11.09.20 **(33)** CN
(43) 17.03.2022
(72) LEI, Xiaorong; WANG, Xin; YAN, Qiangjun; JIN, Jianfeng; HUANG, Biaokai; LI, Qingchun; GE, Xin
(74) Madderns Pty Ltd
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- (71)** NANJING IRON & STEEL CO., LTD.
(11) AU-A-2020470046
(21) 2020470046 **(22)** 02.12.2020
(54) EW 420 EXTRA THICK MARINE STEEL SHEET AND MANUFACTURING METHOD THEREFOR
(51) Int. Cl.
C22C 38/02 (2006.01)
B21B 37/74 (2006.01)
C22C 38/04 (2006.01)
C22C 38/06 (2006.01)
C22C 38/08 (2006.01)
(87) WO2022/062176
(31) 202011013790.9 **(32)** 24.09.20 **(33)** CN
(43) 31.03.2022
(72) CHE, MaJun; ZHAO, JinBin; CEHN, LinHeng; ZHANG, XiaoXue; LI, HengKun; QIU, BaoWen; BO, FeiHu; HUANG, JianHua
(74) Madderns Pty Ltd
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- (71)** NATIONAL UNIVERSITY CORPORATION KOBE UNIVERSITY
(11) AU-A-2021336262
(21) 2021336262 **(22)** 06.09.2021
(54) MINIATURIZED CYTIDINE DEAMINASE-CONTAINING COMPLEX FOR MODIFYING DOUBLE-STRANDED DNA
(51) Int. Cl.
C12N 15/09 (2006.01)
C12N 9/78 (2006.01)
C12N 15/63 (2006.01)
C12N 15/864 (2006.01)
(87) WO2022/050413
(31) 2020-149419 **(32)** 04.09.20 **(33)** JP
(43) 10.03.2022
(72) NISHIDA, Keiji; LI, Ang; MITSUNOBU, Hitoshi
(74) WRAYS PTY LTD
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- (71)** NAVROGEN, INC.
(11) AU-A-2021350201
(21) 2021350201 **(22)** 28.09.2021
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- (54)** COMPOSITION AND USE OF ALTERNATIVELY FORMATTED ANTI-MESOTHELIN ANTIBODIES FOR THE TREATMENT OF CANCER
(51) Int. Cl.
A61K 47/68 (2017.01)
A61K 31/437 (2006.01)
A61K 31/65 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
(87) WO2022/067224
(31) 63/084,542 **(32)** 28.09.20 **(33)** US
(43) 31.03.2022
(72) GRASSO, Luigi; NICOLAIDES, Nicholas C.; KLINE, James Bradford
(74) Davies Collison Cave Pty Ltd
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- (71)** NEOFF MEDICAL PTY LTD
(11) AU-A-2021340270
(21) 2021340270 **(22)** 18.08.2021
(54) ORTHOSIS AND METHOD OF USE
(51) Int. Cl.
A61F 5/14 (2022.01)
A43B 7/14 (2022.01)
A43B 7/22 (2006.01)
A43B 7/24 (2006.01)
A43B 17/00 (2006.01)
(87) WO2022/051797
(31) 2020903244 **(32)** 10.09.20 **(33)** AU
(43) 17.03.2022
(72) DOWLING, Geoffrey
(74) Oxygene IP
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- (71)** NEUSPERA MEDICAL INC.
(11) AU-A-2021342061
(21) 2021342061 **(22)** 08.09.2021
(54) IMPLANTABLE DEVICE FIXATION MECHANISMS
(51) Int. Cl.
A61N 1/02 (2006.01)
(87) WO2022/056010
(31) 63/075,545 **(32)** 08.09.20 **(33)** US
 63/132,849 31.12.20 US
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 63/200,973 06.04.21 US
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(43) 17.03.2022
(72) YEH, Alexander; WANG, Frank W.; SCHELLENBERG, Stephen James; ARMSTRONG, Anastacia; SABESAN, Shivkumar
(74) FB Rice Pty Ltd
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- (71)** NICHOLLS, R.
(11) AU-A-2021348163
(21) 2021348163 **(22)** 24.08.2021
(54) MODULAR BUILDING UNIT AND ASSOCIATED BUILDING AND CONSTRUCTION METHOD
(51) Int. Cl.
E04B 1/348 (2006.01)
(87) WO2022/061393
(31) 2020903463 **(32)** 25.09.20 **(33)** AU
(43) 31.03.2022
(72) NICHOLLS, Richard
(74) Cooper IP Pty Ltd

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<p>(71) NICOYA LIFESCIENCES, INC. (11) AU-A-2021340275 (21) 2021340275 (22) 07.09.2021 (54) PIPETTE DISPENSER SYSTEM AND METHOD (51) Int. Cl. G01N 1/14 (2006.01) G01N 35/10 (2006.01) (87) WO2022/051840 (31) 63/075,541 (32) 08.09.20 (33) US 63/139,173 19.01.21 US 63/233,607 16.08.21 US (43) 17.03.2022 (72) DENOMME, Ryan Cameron; IYER, Krishna; STERLINA, Patrick; HALL, Gordon H.; SUDARSAN, Arjun (74) James & Wells Intellectual Property</p>	<p>(43) 05.05.2022 (72) TROXLER, Thomas Josef; ORAIN, David; FURET, Pascal; WEIGAND, Klaus; SCHLAPBACH, Achim (74) Davies Collison Cave Pty Ltd</p>	<p>(43) 31.03.2022 (72) DHIBA, Driss; EL MAHDI, Mounir; BERRY, William W.; BAROODY, Thomas E. (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) NINGBO BABY FIRST BABY PRODUCTS CO., LTD. (11) AU-A-2021385694 (21) 2021385694 (22) 04.06.2021 (54) SAFETY SEAT (51) Int. Cl. B60N 2/28 (2006.01) (87) WO2022/110751 (31) 202011380172.8 (32) 30.11.20 (33) CN (43) 02.06.2022 (72) ZHOU, Xiaolin; YANG, Gang; GUO, Yi (74) A.P.T. Patent and Trade Mark Attorneys</p>	<p>(71) NUBART GMBH (11) AU-A-2021338535 (21) 2021338535 (22) 02.09.2021 (54) METHOD FOR SYNCHRONIZING THE PLAYBACK OF AN AUDIO FILE WITH AN ASSOCIATED VIDEO FILE (51) Int. Cl. H04N 21/00 (2011.01) G03B 31/04 (2021.01) H04N 21/414 (2011.01) H04N 21/43 (2011.01) H04N 21/462 (2011.01) H04N 21/81 (2011.01) (87) WO2022/049210 (31) 63/073,589 (32) 02.09.20 (33) US (43) 10.03.2022 (72) EFFING, Simon (74) FB Rice Pty Ltd</p>	<p>(71) OCTAVE BIOSCIENCE, INC. (11) AU-A-2021336985 (21) 2021336985 (22) 03.09.2021 (54) BIOMARKERS FOR PREDICTING MULTIPLE SCLEROSIS DISEASE PROGRESSION (51) Int. Cl. G16B 30/00 (2019.01) G01N 33/68 (2006.01) (87) WO2022/051674 (31) 63/074,768 (32) 04.09.20 (33) US 63/148,906 12.02.21 US (43) 10.03.2022 (72) BECICH, Michael, Justin; GEHMAN, Victor, Michael; QURESHI, Ferhan; HAGSTROM, William, A.; RUBIO DA COSTA, Fatima; ZHANG, Fujun (74) FB Rice Pty Ltd</p>
<p>(71) NOVARTIS AG (11) AU-A-2021342783 (21) 2021342783 (22) 15.09.2021 (54) COMPOUNDS AND COMPOSITIONS AS SPPL2A INHIBITORS (51) Int. Cl. C07D 487/04 (2006.01) A61K 31/551 (2006.01) A61P 35/00 (2006.01) (87) WO2022/058902 (31) 63/079,604 (32) 17.09.20 (33) US (43) 24.03.2022 (72) BRANDL, Trixi; EHRHARDT, Claus; EPPLE, Robert; MARKERT, Christian; RIGOLLIER, Pascal; VELCICKY, Juraj (74) Davies Collison Cave Pty Ltd</p>	<p>(71) NUC Electronics Co., Ltd. (11) AU-A-2022256104 (21) 2022256104 (22) 11.02.2022 (54) Double input structure juice module and screw (51) Int. Cl. A23N 1/02 (2006.01) A47J 19/02 (2006.01) (31) 10-2021-0144416 (32) 27.10.21 (33) KR 10-2021-017 4325 08.12.21 KR (43) 18.05.2023 (72) KIM, Jong Boo (74) FB Rice Pty Ltd</p>	<p>(71) ONCOONE RESEARCH & DEVELOPMENT GMBH (11) AU-A-2021354917 (21) 2021354917 (22) 01.10.2021 (54) IMPROVED ANTI-oxMIF ANTIBODIES WITH REDUCED AGGREGATION POTENTIAL AND REDUCED HYDROPHOBICITY (51) Int. Cl. C07K 16/24 (2006.01) (87) WO2022/069712 (31) 20199829.1 (32) 02.10.20 (33) EP (43) 07.04.2022 (72) SCHINAGL, Alexander; MIRKINA, Irina; KERSCHBAUMER, Randolph; THIELE, Robert Michael (74) Davies Collison Cave Pty Ltd</p>
<p>(71) NOVARTIS AG (11) AU-A-2021368247 (21) 2021368247 (22) 01.11.2021 (54) INTERLEUKIN-17 INHIBITORS (51) Int. Cl. C07D 401/12 (2006.01) A61K 31/4427 (2006.01) A61P 17/02 (2006.01) A61P 17/06 (2006.01) A61P 37/00 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 487/04 (2006.01) (87) WO2022/091056 (31) 20205121.5 (32) 02.11.20 (33) EP</p>	<p>(71) OCEAN HARVESTING TECHNOLOGIES AB (11) AU-A-2021335930 (21) 2021335930 (22) 07.09.2021 (54) BUOY, WAVE ENERGY CONVERTER COMPRISING SUCH BUOY AND METHOD OF MANUFACTURING A BUOY (51) Int. Cl. B63B 22/00 (2006.01) F03B 13/16 (2006.01) (87) WO2022/050892 (31) 2051052-5 (32) 07.09.20 (33) SE (43) 10.03.2022 (72) SIDENMARK, Mikael (74) Griffith Hack</p>	<p>(71) OWENS CORNING INTELLECTUAL CAPITAL, LLC (11) AU-A-2021352425 (21) 2021352425 (22) 01.10.2021 (54) B-STAGEABLE AQUEOUS BINDER COMPOSITIONS (51) Int. Cl. C08K 5/053 (2006.01) C08K 5/092 (2006.01) C08K 5/17 (2006.01) (87) WO2022/072780 (31) 63/086,267 (32) 01.10.20 (33) US (43) 07.04.2022 (72) MUELLER, Gert; BRODERICK, Andrew; ZHANG, Xiujuan; CHEN, Liang (74) Davies Collison Cave Pty Ltd</p>
<p>(71) OCP S.A. (11) AU-A-2020468925 (21) 2020468925 (22) 25.09.2020 (54) PROCESSES FOR THE RECOVERY OF URANIUM (51) Int. Cl. C22B 3/42 (2006.01) C22B 3/44 (2006.01) C22B 60/02 (2006.01) (87) WO2022/066169</p>	<p>(71) OWENS CORNING INTELLECTUAL CAPITAL, LLC; PAROC GROUP OY (11) AU-A-2021354037 (21) 2021354037 (22) 30.09.2021 (54) ADDITIVES FOR BINDER COMPOSITIONS IN FIBROUS INSULATION PRODUCTS</p>	

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C03C 25/26 (2018.01)
E04B 1/78 (2006.01)
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(43) 07.04.2022
(72) CLICK, Kevin; CHEN, Liang;
MUELLER, Gert; PETTERSSON, Char-
lotte; ZHANG, Xiujuan
(74) Davies Collison Cave Pty Ltd

(71) Pangang Group Panzhihua Iron & Steel
Research Institute Co., Ltd.
(11) AU-A-2022215194
(21) 2022215194 (22) 30.06.2022
(54) Moderate-strength steel rail and pro-
duction method thereof
(51) Int. Cl.
C22C 38/18 (2006.01)
B21H 8/00 (2006.01)
C21D 6/00 (2006.01)
C22C 38/02 (2006.01)
C22C 38/04 (2006.01)
(31) 202111292347.4 (32) 03.11.21 (33) CN
(43) 18.05.2023
(72) YUAN, Jun; DENG, Yong; CHEN,
Chongmu; WANG, Yuan
(74) FB Rice Pty Ltd

(71) PAYPAL, INC.
(11) AU-A-2020472953
(21) 2020472953 (22) 21.10.2020
(54) ACCESS CONSISTENCY IN HIGH-
AVAILABILITY DATABASES
(51) Int. Cl.
G06F 11/07 (2006.01)
G06F 11/14 (2006.01)
H04L 41/00 (2022.01)
(87) WO2022/082475
(43) 28.04.2022
(72) HUANG, Zhe; MEI, Jia; LI, Xin; YUE,
Ying; CHEN, Chaoyi
(74) FPA Patent Attorneys Pty Ltd

(71) PBLBIOLAB; NVP HEALTHCARE CO.,
LTD.
(11) AU-A-2021350460
(21) 2021350460 (22) 17.09.2021
(54) NOVEL LACTIC ACID BACTERIA AND
USE THEREOF
(51) Int. Cl.
C12N 1/20 (2006.01)
A23L 33/135 (2016.01)
A61K 35/741 (2015.01)
A61P 25/00 (2006.01)
A61P 27/02 (2006.01)
A61P 29/00 (2006.01)
C12R 1/01 (2006.01)
C12R 1/25 (2006.01)
(87) WO2022/065848
(31) 10-2020-0123129 (32) 23.09.20 (33) KR
(43) 31.03.2022
(72) KIM, Dong Hyun
(74) Davies Collison Cave Pty Ltd

(71) PEPSICO, INC.
(11) AU-A-2021361885
(21) 2021361885 (22) 24.09.2021
(54) CONTACTLESS BEVERAGE DIS-
PENSERS AND CONTACTLESS
BEVERAGE DISPENSING METHODS
(51) Int. Cl.
G06F 17/00 (2019.01)
(87) WO2022/081324
(31) 17/069,505 (32) 13.10.20 (33) US
(43) 21.04.2022
(72) LJUNGGREN, Anton; CIMATTI, Marco;
BROEN, Martin Eduardo; CATES, Jac-
ob Michael; TAYLOR, Adrian; TOBIN,
Cory
(74) ALLENS PATENT & TRADE MARK
ATTORNEYS

(71) POPSOCKETS LLC
(11) AU-A-2021364695
(21) 2021364695 (22) 15.10.2021
(54) APPARATUS FOR PROVIDING EMER-
GENCY FEATURE ACTIVATION FOR
MOBILE ELECTRONIC DEVICES
(51) Int. Cl.
H04B 1/3888 (2015.01)
(87) WO2022/086811
(31) 63/105,145 (32) 23.10.20 (33) US
(43) 28.04.2022
(72) BARNETT, David B.
(74) PHILLIPS ORMONDE FITZPATRICK

(71) POQ PTY LTD
(11) AU-A-2021329996
(21) 2021329996 (22) 31.08.2021
(54) ELECTRONIC PAYMENTS SYSTEMS,
METHODS AND APPARATUS
(51) Int. Cl.
G06Q 20/34 (2012.01)
G06Q 20/38 (2012.01)
G07F 7/08 (2006.01)
(87) WO2022/040762
(31) 2020903108 (32) 31.08.20 (33) AU
(43) 03.03.2022
(72) GRAHAM, Tom
(74) Spruson & Ferguson

(71) PRC-DESOTO INTERNATIONAL, INC.
(11) AU-A-2021361841
(21) 2021361841 (22) 07.10.2021
(54) PLUNGERS FOR SEALANT DIS-
PENSING CARTRIDGES WITH COL-
LAPSIBLE SEALANT PACKAGING
(51) Int. Cl.
B05C 17/005 (2006.01)
B65D 35/12 (2006.01)
(87) WO2022/081417
(31) 63/090,991 (32) 13.10.20 (33) US
(43) 21.04.2022
(72) KUCHINSKI, Paul; SANTILLAN, Oscar
(74) Minter Ellison

(71) PROA HOLDINGS PTY LTD
(11) AU-A-2021337456
(21) 2021337456 (22) 16.07.2021
(54) WILDLIFE DETECTION AND DE-
TERRENT SYSTEM AND METHOD

FOR ENVIRONMENTAL INSTRU-
MENTATION
(51) Int. Cl.
A01M 29/06 (2011.01)
A01M 29/16 (2011.01)
G01J 1/00 (2006.01)
G01W 1/12 (2006.01)
(87) WO2022/047519
(31) 2020903149 (32) 03.09.20 (33) AU
(43) 10.03.2022
(72) KNOX, Alistair; DEPOORTER RUELLE,
Victor
(74) Griffith Hack

(71) QINGDAO HAIER NEW ENERGY AP-
PLIANCE CO., LTD.; QINGDAO ECO-
NOMIC AND TECHNOLOGICAL DE-
VELOPMENT ZONE HAIER WATER
HEATER CO., LTD.; HAIER SMART
HOME CO., LTD.
(11) AU-A-2021333692
(21) 2021333692 (22) 22.07.2021
(54) CONTROL METHOD AND DEVICE
FOR HEAT PUMP WATER HEATER
(51) Int. Cl.
F24H 4/02 (2022.01)
F24H 9/20 (2022.01)
F25B 30/02 (2006.01)
(87) WO2022/042154
(31) 202010861230.2 (32) 25.08.20 (33) CN
(43) 03.03.2022
(72) HUANG, Juan; LI, Bo; CHEN,
Bingquan; LI, Xilong
(74) Ellis Terry

(71) QINGDAO HAIER REFRIGERATOR
CO., LTD; HAIER SMART HOME CO.,
LTD.; HAIER US APPLIANCE SOLU-
TIONS, INC.
(11) AU-A-2021362932
(21) 2021362932 (22) 27.09.2021
(54) ICE DISCHARGE ELECTRIC MOTOR
ASSEMBLY HAVING INDEPENDENT
HOUSING WITH MINIMIZED INTERN-
AL VOLUME
(51) Int. Cl.
F25C 5/02 (2006.01)
F25D 29/00 (2006.01)
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H04N 19/533 (2014.01)
H04N 19/44 (2014.01)
H04N 19/56 (2014.01)
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E04B 1/61 (2006.01)
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E04B 7/02 (2006.01)
E04C 2/284 (2006.01)
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A61P 37/02 (2006.01)
C07K 14/005 (2006.01)
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 THEREFOR
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C08J 5/02 (2006.01)
A61F 6/04 (2006.01)
C08G 18/12 (2006.01)
C08G 18/32 (2006.01)
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C08G 18/48 (2006.01)
C08G 18/66 (2006.01)
C08G 18/72 (2006.01)
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C08J 5/18 (2006.01)
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A61K 39/395 (2006.01)
A61L 2/00 (2006.01)
B01D 15/24 (2006.01)
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A61P 27/02 (2006.01)
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H01L 31/0224 (2006.01)
H01L 31/0236 (2006.01)
H01L 31/0745 (2012.01)
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G01B 5/14 (2006.01)
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 LATIVE DAMAGE AND FATIGUE
 STRENGTH OF A VIBRATING MA-
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B07B 1/28 (2006.01)
B65G 27/00 (2006.01)
G01M 7/02 (2006.01)
G05B 23/02 (2006.01)
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(54) SHORT TUBULAR CONNECTION
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(51) Int. Cl.
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F02N 11/12 (2006.01)
B60R 16/033 (2006.01)
B60R 16/04 (2006.01)
F02N 11/08 (2006.01)
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H04W 84/12 (2009.01) 18.05.21 DK
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F03D 80/70 (2016.01) **A45B 25/02** (2006.01)
F16C 35/07 (2006.01) **A45B 19/00** (2006.01)
F16H 57/021 (2012.01) **A45B 19/10** (2006.01)
F16H 57/022 (2012.01) **A45B 25/00** (2006.01)
F16H 57/023 (2012.01) **A45B 25/22** (2006.01)
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MODULATOR, PREPARATION
METHOD THEREFOR AND APPLICA-
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C22B 11/08 (2006.01) **C07D 471/04** (2006.01)
C22B 3/04 (2006.01) **A61K 31/437** (2006.01)
(87) WO2022/236956 **A61P 35/00** (2006.01)
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GENT TECHNOLOGY CO., LTD. BEIJING SHOUANG CO., LTD.
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(54) SHELF DEVICE, ROBOT AND STOR- (54) 700 MPA GRADE HOT-FORMED
AGE SYSTEM AXLE HOUSING STEEL AND PRE-
PARATION METHOD THEREFOR
(51) Int. Cl.
C22C 38/02 (2006.01)
B21C 37/02 (2006.01)
C22C 33/04 (2006.01)
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F16M 13/02 (2006.01)
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A23L 33/00 (2016.01)
A23L 33/125 (2016.01)
A61K 31/702 (2006.01)
A61P 1/00 (2006.01)
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G06F 3/16 (2006.01)
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(51) Int. Cl.
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G01S 7/51 (2006.01)
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A47C 27/12 (2006.01)
D04H 1/4209 (2012.01)
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D04H 1/44 (2006.01)
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C02F 1/28 (2023.01)
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(51) Int. Cl.
C02F 1/28 (2023.01)
B01D 24/46 (2006.01)
C02F 1/42 (2023.01)
C02F 103/00 (2006.01)
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C07C 235/38 (2006.01)
A61K 31/215 (2006.01)
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A61K 31/351 (2006.01)
A61K 31/381 (2006.01)
A61K 31/4418 (2006.01)
A61P 1/00 (2006.01)
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C07C 235/42 (2006.01)
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C12Q 1/6895 (2018.01)
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C07D 209/16 (2006.01)
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 A61K 36/82 (2006.01)
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 A61K 38/00 (2006.01)
 A61P 3/08 (2006.01)
 A61P 3/10 (2006.01)
 A61P 5/48 (2006.01)
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 B01D 27/04 (2006.01)
 B01D 29/31 (2006.01)
 B05B 15/40 (2018.01)
 B08B 3/02 (2006.01)
 B08B 9/04 (2006.01)
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A61P 35/00 (2006.01)
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C12N 1/12 (2006.01)
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A23L 29/281 (2016.01)
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C08J 9/28 (2006.01)
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- (71)** ZHUHAI BEIHAI BIOTECH CO., LTD.
(11) AU-A-2021342298
(21) 2021342298 **(22)** 13.09.2021
(54) FORMULATIONS OF CABAZITAXEL
(51) Int. Cl.
A61K 31/337 (2006.01)
A61K 47/10 (2017.01)
A61K 47/12 (2006.01)
(87) WO2022/056396
(31) 63/078,067 **(32)** 14.09.20 **(33)** US
 63/227,180 29.07.21 US
 63/241,999 08.09.21 US
(43) 17.03.2022
(72) SUN, Qun
(74) Davies Collison Cave Pty Ltd
-
- (71)** ZHUZHOU CRRC TIMES ELECTRIC CO., LTD.
(11) AU-A-2020473963
(21) 2020473963 **(22)** 29.10.2020
(54) TRACTION POWER SUPPLY SYSTEM FOR RAIL TRANSIT, CONTROL METHOD THEREFOR, AND RELATED COMPONENTS
(51) Int. Cl.
H02J 3/06 (2006.01)
H02J 3/28 (2006.01)
(87) WO2022/082835
(31) 202011147149.4 **(32)** 23.10.20 **(33)** CN
(43) 28.04.2022
(72) XU, Shaolong; RAO, Peinan; CHEN, Jielian; ZHANG, Min; WANG, Xiong; WENG, Xingfang; YIN, Weiheng; CHEN, Guangzan; LI, Hongbo; HU, Ping; CAI, Yufeng; TAO, Hongliang; WU, Xuefeng
(74) FPA Patent Attorneys Pty Ltd
-
- (71)** ZOETIS SERVICES LLC
(11) AU-A-2021364308
(21) 2021364308 **(22)** 18.10.2021
(54) ANTIBODIES TO CANINE AND FELINE ONCOSTATIN M RECEPTOR BETA AND USES THEREOF
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
G01N 33/53 (2006.01)
(87) WO2022/086837
(31) 63/093,607 **(32)** 19.10.20 **(33)** US
(43) 28.04.2022
(72) BMMERT, Gary, Francis; GONZALES, Andrea, Joy
(74) Davies Collison Cave Pty Ltd
-
- (71)** ZUO, S.
(11) AU-A-2020478538
(21) 2020478538 **(22)** 26.11.2020
(54) INTERIOR LOCK
(51) Int. Cl.
E05B 65/06 (2006.01)
(87) WO2022/112815

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(43) 02.06.2022
(72) ZUO, Sue
(74) Sue Zuo

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2020466305	THE FLOREY INSTITUTE OF NEUROSCIENCE AND MENTAL HEALTH	2021337227	DEPUY SYNTHES PRODUCTS, INC.
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2021331691	ARTEC EUROPE S.A R.L.	2021339953	MEDIMMUNE LIMITED
2021332597	SONOS, INC.	2021340178	AESFULAP AG
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2021348167	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	2021354445	ISHIHARA SANGYO KAISHA, LTD.
2021348225	ABLEVIA BIOTECH GMBH	2021354681	RISEN ENERGY CO., LTD.
2021348226	ABLEVIA BIOTECH GMBH	2021354917	ONCOONE RESEARCH & DEVELOPMENT GMBH
2021348265	FLAT PTY LIMITED	2021354944	VERNACARE LIMITED
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2021348340	SANGENIC INTERNATIONAL LIMITED	2021354977	DAIKIN INDUSTRIES, LTD.
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2021348595	SHOUGANG GROUP CO., LTD.; BEIJING SHOU- GANG CO., LTD.	2021355372	CATERPILLAR INC.
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2021358087	APPLIED MEDICAL RESOURCES CORPORATION	2021366655	MADRIGAL PHARMACEUTICALS, INC.
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2021358382	B. BRAUN MELSUNGEN AG	2021367902	ETA GREEN POWER LTD.
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2021411389 ITRON, INC.
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2021412912 QUALCOMM INCORPORATED
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2022231757 State Grid Shanghai Municipal Electric Power Company; Shanghai University of Electric Power
2022236940 LI-S ENERGY LIMITED
2022248027 CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
2022248029 CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
2022248345 CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
2022251241 CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
2022251244 CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
2022256104 NUC Electronics Co., Ltd.
2022321036 Jiangsu Hengxin Technology Co., Ltd; Jiangsu Hengxin Wireless Technology Co., Ltd
2022325359 REMEGEN CO., LTD.
2022365091 LINGONG HEAVY MACHINERY CO., LTD.

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2021370814	2021370814	A41D 27 /-	2021367870	2021341440	2021369679
2021358857	A23K 10 /-	2021354975	A47L 9 /-	2021364641	2021369898
A01G 3 /-	2021349560	A43B 17 /-	A61F 5 /-	2021377598	2021379081
2021339952	2021362679	2021340270	2021340270	2021387727	2021379562
A01H 1 /-	A23K 20 /-	A43B 7 /-	A61B 1 /-	2021387892	2021391603
2021367884	2021362667	2021340270	2021336529	2021387892	2021391849
A01H 5 /-	2021362679	A45B 19 /-	A61B 17 /-	A61F 6 /-	A61K 35 /-
2021367884	2021365515	2021376132	2021336471	2021345853	2020234718
A01H 6 /-	A23K 50 /-	A45B 25 /-	2021336529	A61F 9 /-	2021336399
2021367884	2021362667	2021376132	2021337227	2021344443	2021342126
A01K 1 /-	2021362679	A45C 11 /-	2021340178	A61H 1 /-	2021347359
2021336657	2021365515	2021354975	2021341440	2021362732	2021349560
A01K 15 /-	A23L 13 /-	A45F 5 /-	2021354376	A61H 23 /-	2021350460
2021336657	2021370814	2021354975	2021358087	2021344443	2021353585
A01M 29 /-	A23L 27 /-	A46B 11 /-	2021371050	A61H 39 /-	2021358086
2021336657	2021367987	2021359751	A61B 18 /-	2021344443	2021374796
2021337456	A23L 29 /-	2021359751	2021341745	A61K 36 /-	A61K 38 /-
A01M 7 /-	A23L 3 /-	A46B 9 /-	2021368674	2021339920	2021346951
2020471668	2021370814	2021359751	A61B 3 /-	2021351950	2021374796
A01N 1 /-	A23L 33 /-	A47C 27 /-	A61B 34 /-	A61K 31 /-	A61K 39 /-
2021364641	2021347424	2020473185	2021354376	2021337109	2020234718
2021377598	A23L 3 /-	2021357745	A61B 5 /-	2021337217	2020466305
A01N 43 /-	2021374796	2021352660	2021335359	2021337476	2021342126
2021358130	A23L 5 /-	A47J 9 /-	2021336471	2021339298	2021346205
2021360993	2021370814	2022256104	2021336806	2021339579	2021347424
A01N 57 /-	A23N 1 /-	A47J 19 /-	2021338858	2021339953	2021347582
2021360993	2022256104	2021353512	2021343267	2021340604	2021355496
A01P 13 /-	A41B 11 /-	A47J 27 /-	2021343770	2021342298	2021356989
2021360993	2021354328	2021353512	2021344650	2021342783	2021362209
A23B 4 /-	A41B 9 /-	A47J 31 /-	2021345210	2021343525	2021371342
2021370814	2021354328	2021335415	2021346205	2021343539	2021372544
A23C 9 /-	A41C 3 /-	A47J 36 /-	2021346951	2021343770	2022325359
2021354395	2021354328	2021378761	2021347913	2021344650	A61K 39 /-
2021391603	A41B 9 /-	A47J 37 /-	2021348592	2021345210	2020473977
2021391849	2021354328	2020473099	2021349324	2021346205	2021336399
A23J 1 /-	A41C 3 /-	A47J 37 /-	2021350201	2021346951	2021339953
2021342655	2021354328	2021354328	2021351950	2021347913	2021342126
			2021353722	2021348592	2021342128
			2021354445	2021349324	2021345856
			202135498	2021350201	2021347359
			2021355498	2021351950	2021347582
			2021356114	2021353722	2021353585
			2021356121	2021354445	2021353590
			2021356130	202135498	2021355496
			2021356639	2021356114	2021356121
			2021356651	2021356121	2021359635
			2021357705	2021356130	2021364308
			2021358063	2021356639	2021366431
			2021358130	2021356651	2022325359
			2021358512	2021357705	A61K 45 /-
			2021360494	2021357705	2021355498
			2021365542	2021358063	2021356121

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<u>A61K 47 /-</u>	<u>A61M 39 /-</u>	2021379081	<u>A61P 5 /-</u>	<u>B01D 35 /-</u>	<u>B02C 19 /-</u>
2020473977	2021361842		2020466305	2021335415	2021354944
2021337493		<u>A61P 27 /-</u>	2021340604	2021354361	<u>B02C 25 /-</u>
2021339920	<u>A61M 5 /-</u>	2021340604	2021366655	2021355372	2021354944
2021339953		2021350460			
2021342298	2021344336	2021358781	<u>A61P 7 /-</u>	<u>B01D 46 /-</u>	<u>B03C 1 /-</u>
2021345856	2021352977		2021343770	2021353781	2021356504
2021347581	2021357584	<u>A61P 29 /-</u>	2021347582	2021355372	
2021347582	2021358022	2021347913			
2021347611	2021358515	2021349324	<u>A61P 9 /-</u>	<u>B01D 53 /-</u>	<u>B05B 15 /-</u>
2021348225	2021361842	2021350460	2021337476	2021338411	2021351558
2021348226	2021364424	2021353722	2021343770	2021356498	
2021350201		2021354445	2021346205		<u>B05B 9 /-</u>
2021354445	<u>A61M 60 /-</u>	2021366655	2021366655	<u>B01D 61 /-</u>	2020471668
2021360494	2021340802			2021379688	<u>B05C 17 /-</u>
2021362206		<u>A61P 3 /-</u>	<u>A61Q 19 /-</u>	<u>B01D 65 /-</u>	2021361841
2021362209	<u>A61N 1 /-</u>	2020466305	2021356989	2021379688	<u>B07B 1 /-</u>
		2021337476			2021350289
<u>A61K 48 /-</u>	2021335359	2021347424	<u>A62C 35 /-</u>	<u>B01F 23 /-</u>	<u>B08B 3 /-</u>
2021360494	2021338199	2021362209	2021414395	2021336818	2021340280
2021362206	2021342061	2021366655			2021351558
		2021374796	<u>A63B 23 /-</u>	<u>B01F 25 /-</u>	<u>B08B 9 /-</u>
<u>A61K 8 /-</u>	<u>A61N 5 /-</u>		2021355416	2021336818	2021351558
2021356989	2021344443	<u>A61P 31 /-</u>			<u>B21B 37 /-</u>
		2021342128	<u>A63B 55 /-</u>	<u>B01F 33 /-</u>	2020470046
<u>A61K 9 /-</u>	<u>A61P 1 /-</u>	2021346951	2021357162	2021336818	<u>B21C 37 /-</u>
2020473977	2021337109	2021354445			2021348595
2021337493	2021337476		<u>A63C 17 /-</u>	<u>B01J 19 /-</u>	<u>B21H 8 /-</u>
2021339920	2021346205	<u>A61P 35 /-</u>	2021339234	2021323412	2022215194
2021340604	2021354445	2020473977			<u>B22F 3 /-</u>
2021340733	2021359635	2021339298	<u>A63C 13 /-</u>	<u>B01J 20 /-</u>	2021336790
2021345210	2021366655	2021339953	2021339234	2020470781	<u>B23K 10 /-</u>
2021346205	2021374796	2021342126			2021349379
2021347147	2021387727	2021342783	<u>A63F 13 /-</u>	<u>B01J 23 /-</u>	<u>B23K 9 /-</u>
2021354445	2021391603	2021343770	2021383910	2021359963	2021349379
2021357705		2021347611			<u>B25G 3 /-</u>
2021362206	<u>A61P 11 /-</u>	2021347913	<u>A63H 3 /-</u>	<u>B01J 37 /-</u>	2021353512
2021365542	2021354445	2021348592	2021357747	2021369843	<u>B25J 9 /-</u>
	2021358512	2021350201	2021361119	2021379688	2021362732
<u>A61L 2 /-</u>	<u>A61P 13 /-</u>	2021356130	<u>B01D 11 /-</u>	<u>B01J 41 /-</u>	<u>B26B 15 /-</u>
2021353590	2021343770	2021366431	2021377197	2021369843	2021339952
	2021353722	2021366655	<u>B01D 15 /-</u>	2021369843	<u>B26D 5 /-</u>
<u>A61L 26 /-</u>	<u>A61P 17 /-</u>	2021368798			2021358754
2021339920	2021368247	2021369898	<u>B01D 21 /-</u>	<u>B01J 47 /-</u>	
		2021371342	2021340897	2021379688	
<u>A61L 27 /-</u>	<u>A61P 19 /-</u>	2021372544	2021353590	<u>B01J 49 /-</u>	
2021336557	2021343770	2022325359	2021353590	2021369843	
2021358086	2021344650		2021371309		
2021363610		<u>A61P 37 /-</u>		<u>B01D 27 /-</u>	
<u>A61L 31 /-</u>	<u>A61P 21 /-</u>	2021337798	<u>B01D 29 /-</u>	<u>B01L 3 /-</u>	
2021337227	2021343770	2021344650	2021335415	2021366678	
	2021344650	2021347913	2021351558	2021391314	
<u>A61M 1 /-</u>	<u>A61P 25 /-</u>	2021349324			
2020470781	2021343770	2021360494	<u>B01D 24 /-</u>	<u>B02C 18 /-</u>	
	2021349560	2021368247	2021365810	2021354944	
		2021369898			
<u>A61M 25 /-</u>		2021371342	<u>B01D 27 /-</u>		
2021358382	2021343525	2021372544	2021344616		
2021358515	2021343770	2022325359	2021351558		
2021361842	2021345210				
2021361842	2021350460	<u>A61P 43 /-</u>	<u>B01D 27 /-</u>		
2021371314	2021353722	2021337109	2021335415		
	2021356121	2021343770	2021351558		
	2021356639	2021356651			
	2021357705	2021357705	<u>B01D 29 /-</u>		
	2021357705	2021358063	2021335415		
			2021351558		

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B26D 7 /-	B60F 3 /-	B63C 13 /-	B65H 51 /-	C02F 1 /-	C07C 273 /-
2021358754	2021420534	2021420534	2021340273	2021335415	2021382845
B26D 9 /-	B60G 15 /-	B63H 5 /-	B65H 57 /-	2021343265	C07C 275 /-
2021358754	2021359596	2021420534	2021340273	2021344616	2021382845
B27N 3 /-	B60G 17 /-	B65B 23 /-	B65H 61 /-	2021365810	C07C 29 /-
2021357745	2021359596	2021339333	2021340273	2021369843	2021367987
B28C 5 /-	B60K 1 /-	B65B 43 /-	B65H 67 /-	2021379688	C07C 35 /-
2021355547	2021353687	2021339333	2021340273	C02F 103 /-	2021367987
B28C 7 /-	B60L 53 /-	B65B 5 /-	B65H 75 /-	2021344616	C07D 209 /-
2021355547	2021353868	2021339333	2021347674	C02F 11 /-	2021343525
B29B 7 /-	B60L 58 /-	B65B 61 /-	B66B 19 /-	2021374229	C03C 17 /-
2021358695	2021353868	2021339333	2021351853	2021351702	C07D 213 /-
B29C 44 /-	B60N 2 /-	B65C 9 /-	B66C 23 /-	C03C 25 /-	2021337109
2021356186	2021385694	2021356260	2022365091	2021354037	C07D 221 /-
B29C 67 /-	B60R 16 /-	B65D 35 /-	B66F 11 /-	C05F 3 /-	2021379081
2021356186	2021364649	2021361841	2022365091	2021374229	C07D 235 /-
B32B 17 /-	B60W 40 /-	B65D 5 /-	B66F 19 /-	C05F 9 /-	2021358130
2021354037	2021362270	2021346845	2021352660	2021374229	C07D 237 /-
B32B 27 /-	B62B 9 /-	2021376196	B66F 7 /-	2021374229	2021366655
2021342821	2021357162	2021376346	2021351106	C05G 5 /-	C07D 239 /-
2021354977	B62D 17 /-	B65D 65 /-	B66F 9 /-	2021374229	2021356130
B32B 3 /-	2021359596	2021354977	2021351106	C07C 1 /-	C07D 241 /-
2021342821	B62H 3 /-	2021380580	B67D 1 /-	2021367987	2021337476
B32B 33 /-	2021335914	2021346845	2021351269	2021372748	C07D 333 /-
2021354977	B62K 11 /-	B65D 77 /-	B82Y 10 /-	C07C 13 /-	2021362481
B32B 37 /-	2021335914	2021376196	2021352452	2021367987	C07D 401 /-
2021354977	B62K 5 /-	2021376346	B82Y 5 /-	2021372748	2021337476
B33Y 10 /-	2021356221	B65F 1 /-	2021355407	C07C 201 /-	2021339298
2021336790	B63B 1 /-	2021348340	2021360494	2021362481	2021348592
B33Y 30 /-	2021420534	B65G 1 /-	C01B 13 /-	C07C 205 /-	2021349324
2021336790	B63B 21 /-	2021346619	2021359963	2021362481	2021368247
B33Y 50 /-	2021371437	2021356752	C01C 3 /-	C07C 209 /-	2021379081
2021336790	B63B 22 /-	2021350289	2021369843	2021362481	C07D 403 /-
B41J 11 /-	2021335930	B65G 27 /-	C01G 25 /-	C07C 211 /-	2021349324
2021358754	B63B 27 /-	2021352660	2021377197	2021362481	2021368247
B41J 2 /-	2021351106	B65G 49 /-	C01G 27 /-	C07C 229 /-	2021379081
2021358754	2021353472	2021352660	2021377197	2021360494	2021368247
B63B 7 /-	2021420534	C01G 53 /-	2021359963	C07C 235 /-	2021379081
				2021337109	

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<u>C07D 417 /-</u>	2021366431 2021371342 2021372544 2021393752	2021350175	<u>C12Q 1 /-</u>	<u>D06F 34 /-</u>	<u>E04B 7 /-</u>
2021341527 2021353722 2021368247 2021379081 2021379562		<u>C09J 171 /-</u>	2020478575 2021341527 2021342128 2021344868 2021345360 2021348167 2021355407 2021358768 2021363336 2021367884	2021335847 2021337478	2021368860
<u>C07D 471 /-</u>	<u>C07K 16 /-</u>	2021372804	<u>C09J 183 /-</u>	<u>D06F 35 /-</u>	<u>E04C 2 /-</u>
2021337217 2021369898 2021379081	2021339953 2021344531 2021345856 2021347359 2021350201 2021354917 2021356681 2021364308 2021371309	<u>C09J 7 /-</u>	2021372804	2021336001 2021337478	2021368860
<u>C07D 487 /-</u>	<u>C07K 17 /-</u>	2021350173 2021350175	<u>C09J 7 /-</u>	<u>D06F 37 /-</u>	<u>E04F 15 /-</u>
2021342783 2021347913 2021358130 2021368247 2021379081	2021347581 2021347582 2021348225	<u>C10B 57 /-</u>	2021350173 2021350175	2021336355 2021336356 2021338132 2021338133	2021368860
<u>C07D 495 /-</u>	<u>C07K 19 /-</u>	2021373274	<u>C10G 1 /-</u>	<u>D06F 39 /-</u>	<u>E04G 11 /-</u>
2021349324 2021356130	2021347359 2022325359	<u>C10G 11 /-</u>	2021323412	2021336355 2021336356 2021338133	2021337139
<u>C07D 513 /-</u>	<u>C07K 7 /-</u>	<u>C10G 6 /-</u>	<u>C10G 11 /-</u>	<u>D06F 58 /-</u>	<u>E04H 15 /-</u>
2021343770 2021349324	2021347582	2020467306	2021323412 2021356498	2021335818 2021335847 2021336001 2021336355 2021337478 2021338132 2021338133	2021368860
<u>C07D 515 /-</u>	<u>C08F 212 /-</u>	<u>C22B 11 /-</u>	<u>C10G 65 /-</u>	<u>D06F 58 /-</u>	<u>E05B 65 /-</u>
2021356651 2021358063 2021358512	2021350173 2021350175	2021369843 2021445505	2021323412	2021335818 2021335847 2021336001 2021336355 2021337478 2021338132 2021338133	2020478538
<u>C07D 519 /-</u>	<u>C08G 18 /-</u>	<u>C22B 3 /-</u>	<u>C10L 9 /-</u>	<u>D06F 73 /-</u>	<u>E06B 9 /-</u>
2021343770 2021358512	2021345853	2020468925 2021369843 2021377197 2021445505	2021373274	2021336001 2021337478	2021338564
<u>C07F 9 /-</u>	<u>C08G 65 /-</u>	<u>C22B 34 /-</u>	<u>C11B 9 /-</u>	<u>E21B 17 /-</u>	<u>E21B 17 /-</u>
2021355498	2021372804	2021377197	2021367987	2021380580	202138870 2021358122 2021358533
<u>C07H 19 /-</u>	<u>C08G 69 /-</u>	<u>C22B 60 /-</u>	<u>C12N 1 /-</u>	<u>D21H 19 /-</u>	<u>E21B 19 /-</u>
2021363336	2021362481	2020468925	2021373274	2021380580	2021358533
<u>C07H 21 /-</u>	<u>C08J 5 /-</u>	<u>C22C 33 /-</u>	<u>C12N 15 /-</u>	<u>D21H 27 /-</u>	<u>E21B 21 /-</u>
2021338715	2021345853	2021348595	2021338715 2021342655 2021349560 2021350460 2021353585	2021380580	2020478178 2021383159
<u>C07K 1 /-</u>	<u>C08J 7 /-</u>	<u>C22C 38 /-</u>	<u>C12N 15 /-</u>	<u>E02B 3 /-</u>	<u>E21B 23 /-</u>
2021340897 2021353590 2021371309	2021350173	2021348595	2021336262 2021337798 2021344868 2021345856 2021353585 2021355496 2021356639 2021358781 2021360197 2021362206 2021362209 2021363098	2021336001 2021337478	2020480948 2020481682 2021318870 2021345024
<u>C07K 14 /-</u>	<u>C08J 9 /-</u>	<u>D02H 1 /-</u>	<u>C12N 15 /-</u>	<u>E02B 9 /-</u>	<u>E21B 33 /-</u>
2020466305 2020470781 2021336399 2021338715 2021342126 2021342128 2021347424 2021347581 2021347582 2021348225 2021358009	2021342821 2021356186	2021340273	<u>C12N 15 /-</u>	2021368562	2020480948 2020481682 2021345024
	<u>C08K 5 /-</u>	<u>D04H 1 /-</u>	<u>C12N 5 /-</u>	<u>E03B 7 /-</u>	<u>E21B 33 /-</u>
	2021352425 2021358130 2021372804	2021357745	2021336399 2021337798 2021358086 2021360197 2021363098	2021400667 2021402908	2021358533
	<u>C08L 75 /-</u>	<u>D04H 1 /-</u>	<u>C12N 9 /-</u>	<u>E04B 1 /-</u>	<u>E21B 34 /-</u>
	2021345853	2021357745	2021336262 2021362209	2021348163 2021354037 2021368860	2020480948 2020481682
	<u>C09J 125 /-</u>	<u>E04B 2 /-</u>		<u>E04B 5 /-</u>	<u>E21B 41 /-</u>
	2021350173	2021349696		2021368860 2021461417	2021349696
		<u>E21B 47 /-</u>			<u>E21B 47 /-</u>
		2020478178			2020478178
		<u>E21B 7 /-</u>			<u>E21B 7 /-</u>
		2021318870			2021318870

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<u>F02F 1 /-</u>	<u>F16K 15 /-</u>	<u>F24F 11 /-</u>	<u>G01C 21 /-</u>	<u>G01N 35 /-</u>	<u>G06F 18 /-</u>
2021351635	2021414395	2021333082	2021337005	2021340275	2021334400
<u>F02F 11 /-</u>	<u>F16K 17 /-</u>	<u>F24F 110 /-</u>	<u>G01D 5 /-</u>	<u>G01S 17 /-</u>	<u>G06F 21 /-</u>
2021351635	2021414395	2021333082	2021348267	2021354001	2021334178 2021337459 2021354191 2021354334 2021355488
<u>F02N 11 /-</u>	<u>F16K 24 /-</u>	<u>F24F 7 /-</u>	<u>G01F 1 /-</u>	<u>G01S 7 /-</u>	
2021364649	2021414395	2021333082	2021415466	2021354001	
<u>F03B 13 /-</u>	<u>F16K 37 /-</u>	<u>F24H 4 /-</u>	<u>G01F 25 /-</u>	<u>G01W 1 /-</u>	<u>G06F 3 /-</u>
2021335930 2021338506 2021368562 2021374870	2021414395	2021333692	2021400667 2021402908	2021337456	2021332597
<u>F03D 80 /-</u>	<u>F16L 15 /-</u>	<u>F24H 9 /-</u>	<u>G01G 19 /-</u>	<u>G02B 1 /-</u>	<u>G06K 7 /-</u>
2021365360	2021344841	2021333692	2021362270	2021400054	2021352969
<u>F04B 1 /-</u>	<u>F16L 59 /-</u>	<u>F25B 30 /-</u>	<u>G01H 9 /-</u>	<u>G02B 27 /-</u>	<u>G06N 10 /-</u>
2021338506	2021357745	2021333692	2021348267	2020368118	2021352452
<u>F04B 13 /-</u>	<u>F16M 11 /-</u>	<u>F25C 1 /-</u>	<u>G01J 1 /-</u>	<u>G02B 5 /-</u>	<u>G06N 3 /-</u>
2021352977	2021342843	2021358230	2021337456	2021342705 2021351632	2021331069 2021331691 2021339584 2021351207 2021383910
<u>F04B 27 /-</u>	<u>F16M 13 /-</u>	<u>F25C 5 /-</u>	<u>G01K 11 /-</u>	<u>G02C 7 /-</u>	
2021352977	2021342843	2021362932	2021378761	2021342705 2021343267 2021349319	<u>G06N 5 /-</u>
<u>F04B 9 /-</u>	<u>F16P 1 /-</u>	<u>F25D 29 /-</u>	<u>G01L 9 /-</u>	<u>G02F 1 /-</u>	2021383910
2021352977	2021356260	2021362932	2021415466	2021351632	<u>G06Q 10 /-</u>
<u>F04D 13 /-</u>	<u>F16P 3 /-</u>	<u>F25J 1 /-</u>	<u>G01M 3 /-</u>	<u>G03B 31 /-</u>	2020471033 2021352969 2021356752 2021359240
2021355547	2021339952 2021356260	2021382399	2021347839	2021338535	
<u>F04D 3 /-</u>	<u>F17D 5 /-</u>	<u>F25J 3 /-</u>	<u>G01M 7 /-</u>	<u>G05B 23 /-</u>	<u>G06Q 20 /-</u>
2021355547	2021347839	2021356498	2021350289	2021350289	2021329996
<u>F16B 33 /-</u>	<u>F21V 23 /-</u>	<u>F26B 21 /-</u>	<u>G01N 1 /-</u>	<u>G05D 7 /-</u>	<u>G06Q 30 /-</u>
2021344841	2021361119 2021393367	2021342311	2021340275 2021340646	2021358857	2021215367
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2021344841	2021361119	2021335847	2021345360 2021348267 2021366678	2021354975	2021351349 2021353150 2021354282 2021355061 2022204116
<u>F16B 7 /-</u>	<u>F23K 3 /-</u>	<u>F28D 9 /-</u>	<u>G01N 22 /-</u>	<u>G06F 11 /-</u>	
2021344841	2020466444	2020466174	2021339236	2020472953 2021355460	
<u>F16C 35 /-</u>	<u>F23Q 13 /-</u>	<u>F42D 1 /-</u>	<u>G01N 23 /-</u>	<u>G06F 15 /-</u>	<u>G06T 11 /-</u>
2021365360	2021349696	2021353101	2021336196	2021337529	2021339584
<u>F16F 9 /-</u>	<u>F23Q 21 /-</u>	<u>G01B 11 /-</u>	<u>G01B 3 /-</u>	<u>G06F 16 /-</u>	<u>G06T 17 /-</u>
2021342038	2021349696	2021331691	2021349777	2021351207 2021353075 2022204116	2021336471
<u>F16H 57 /-</u>	<u>F24C 15 /-</u>	<u>G01B 3 /-</u>	<u>G01B 5 /-</u>	<u>G06F 17 /-</u>	<u>G06T 19 /-</u>
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<u>F16J 15 /-</u>	<u>F24C 7 /-</u>	<u>G01B 7 /-</u>			<u>G06T 7 /-</u>
2021351635	2021378761	2021349777			2021331691 2021358905

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<u>G06T 9 /-</u>	<u>G21G 1 /-</u>	<u>H02S 10 /-</u>	2021370352 2021411389 2021415915
2021412912	2021336196	2021393367	
<u>G06V 10 /-</u>	<u>H01F 27 /-</u>	<u>H02S 40 /-</u>	<u>H04W 16 /-</u>
2021331069 2021339584 2021371167	2021367902	2021393367	2021358629
<u>G06V 20 /-</u>	<u>H01F 3 /-</u>	<u>H03K 17 /-</u>	<u>H04W 24 /-</u>
2021331069 2021334400 2021359240	2021367902	2021352452	2021337459 2021347699
<u>G06V 30 /-</u>	<u>H01H 71 /-</u>	<u>H04B 1 /-</u>	<u>H04W 28 /-</u>
2021371167	2022248027 2022248029 2022248345 2022251241 2022251244	2021354975 2021364695	2021347699 2021358629
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2021350289	2021351702 2021354681	2021358629 2021360336 2021365614	2020470490
<u>G07F 7 /-</u>	<u>H01M 4 /-</u>	<u>H04L 1 /-</u>	<u>H04W 4 /-</u>
2021329996	2022236940	2021358629 2021363258	2021369473
<u>G08B 13 /-</u>	<u>H01M 8 /-</u>	<u>H04L 12 /-</u>	<u>H04W 72 /-</u>
2021348267 2021349774	2020471451 2021380718	2021351515 2021369473	2020469301 2021343589 2021358629 2021363258
<u>G09F 19 /-</u>	<u>H01Q 3 /-</u>	<u>H04L 41 /-</u>	<u>H04W 76 /-</u>
2021361119	2022321036	2020472953 2021352426 2021369473	2021370352
<u>G09G 3 /-</u>	<u>H02J 13 /-</u>	<u>H04L 67 /-</u>	<u>H04W 8 /-</u>
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<u>G09G 5 /-</u>	<u>H02J 3 /-</u>	<u>H04L 9 /-</u>	<u>H04W 80 /-</u>
2021351632	2020473963 2021351349 2021353150 2021354282 2021355061 2022231757	2021334178 2021337529 2021411389 2021412799 2021415915	2021358629
<u>G10H 1 /-</u>	<u>H02J 50 /-</u>	<u>H04N 19 /-</u>	<u>H04W 84 /-</u>
2021351207	2021332597	2020368118 2021409231 2021409783 2021412912 2021416082	2021337459 2021411389
<u>G10L 19 /-</u>	<u>H02J 7 /-</u>	<u>H04N 21 /-</u>	<u>H04W 88 /-</u>
2021357364 2021358432	2021350182	2021332597 2021338535	2021370352
<u>G10L 25 /-</u>	<u>H02K 1 /-</u>	<u>H04N 23 /-</u>	<u>H05B 45 /-</u>
2021351207	2021336355 2021336356 2021338133	2021349774	2021393367
<u>G16B 30 /-</u>	<u>H02K 7 /-</u>	<u>H04R 1 /-</u>	<u>H05B 47 /-</u>
2021336985	2021336355 2021336356 2021338133	2021332597	2021393367
<u>G16H 20 /-</u>		<u>H04W 12 /-</u>	<u>H05H 1 /-</u>
2021336471 2021337529		2021334178	2021349379
<u>G16H 30 /-</u>			
2021336471			
<u>G16H 40 /-</u>			
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H05B 6/64 (2006.01)
B65D 81/34 (2006.01)
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B61L 17/00 (2006.01)
B61L 25/02 (2006.01)
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A61L 27/14 (2006.01)
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C23C 14/06 (2006.01)
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G06K 19/00 (2006.01)
B32B 3/30 (2006.01)
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G06Q 10/06 (2012.01)
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C05D 9/00 (2006.01)
C25B 1/02 (2006.01)
C25B 1/28 (2006.01)
C25B 15/00 (2006.01)
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A61Q 11/00 (2006.01)
A61K 8/44 (2006.01)
A61K 8/19 (2006.01)
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A61C 17/22 (2006.01)
A46B 11/00 (2006.01)
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G16H 10/00 (2018.01)
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C22B 34/12 (2006.01)
C01G 23/047 (2006.01)
C01G 23/053 (2006.01)
C22B 3/10 (2006.01)
C22B 3/22 (2006.01)
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G02C 7/08 (2006.01)
G02C 7/04 (2006.01)
G02C 11/00 (2006.01)
G02F 1/1339 (2006.01)
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F16P 3/14 (2006.01)
G05D 1/02 (2006.01)
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C08K 5/3475 (2006.01)
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A61K 31/4745 (2006.01)
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A61P 35/00 (2006.01)
C07C 233/15 (2006.01)
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B32B 3/30 (2006.01)
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G21F 9/28 (2006.01)
G21F 5/005 (2006.01)
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(54) Mobility device

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A61G 5/06 (2006.01)
B60L 15/10 (2006.01)
G05D 1/00 (2006.01)
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B42D 25/40 (2014.01)
B41F 31/15 (2006.01)
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C07D 401/14 (2006.01)
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A61K 31/538 (2006.01)
A61P 31/04 (2006.01)
C07D 401/04 (2006.01)
C07D 403/14 (2006.01)
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F16L 41/12 (2006.01)
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B29C 64/20 (2017.01)
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B33Y 30/00 (2015.01)
B33Y 40/00 (2015.01)
C23C 24/00 (2006.01)
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C07D 311/58 (2006.01)
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H01B 7/30 (2006.01)
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E02D 27/52 (2006.01)
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G06Q 10/087 (2023.01)
G10L 13/00 (2006.01)
G10L 15/22 (2006.01)
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B60L 53/12 (2019.01)
H01F 5/00 (2006.01)
H02J 50/10 (2016.01)
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B07C 3/16 (2006.01)

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C07D 207/277 (2006.01)
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E03B 7/07 (2006.01)
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G06F 3/048 (2013.01)
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C12Q 1/68 (2018.01)
G01N 5/078 (2010.01)
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A23L 33/105 (2016.01)
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A61K 31/506 (2006.01)
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A61B 17/56 (2006.01)
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H01L 31/05 (2014.01)
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A01N 43/54 (2006.01)
A01P 3/00 (2006.01)
C04B 28/02 (2006.01)
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B25B 7/22 (2006.01)
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C12N 15/115 (2010.01)
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H05B 3/40 (2006.01)
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H02S 20/25 (2014.01)
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A61P 1/00 (2006.01)
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B29C 59/04 (2006.01)
B63B 5/24 (2006.01)
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F25D 23/02 (2006.01)

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A61K 9/10 (2006.01)

A61K 31/33 (2006.01)

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A61M 25/01 (2006.01)

A61P 29/00 (2006.01)

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A23P 30/00 (2016.01)

B05C 5/00 (2006.01)

B05D 1/26 (2006.01)

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A01P 13/00 (2006.01)

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B28C 7/02 (2006.01)

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C07D 401/14 (2006.01)

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B02C 2/04 (2006.01)

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 (54) MULTI-VEHICLE BRAKING SYSTEM
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B60T 8/17 (2006.01)
B60T 13/66 (2006.01)
B60T 17/22 (2006.01)
B61H 13/34 (2006.01)
 (31) 17/468,773 (32) 08.09.21 (33) US
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 (51) Int. Cl.
G01S 5/06 (2006.01)
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C11D 3/16 (2006.01)
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G01N 23/223 (2006.01)
G06N 3/08 (2023.01)
G06V 10/25 (2022.01)
G06V 10/40 (2022.01)
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 (74) Spruson & Ferguson

(71) Xinjiang Goldwind Science & Technology Co., Ltd.
 (11) AU-B-2020402903
 (21) 2020402903 (22) 08.06.2020
 (54) Control method and system for continuous high and low voltage ride through of permanent-magnet direct-drive wind-driven generator set
 (51) Int. Cl.
H02J 3/38 (2006.01)
 (87) WO2021/114589
 (31) 201911279792.X (32) 13.12.19 (33) CN
 (43) 17.06.2021
 (44) 18.05.2023
 (72) ZHOU, Jie; HUANG, Yuanyan; QIN, Chengzhi; ZHANG, Shaohua; CHEN, Xin
 (74) Madderns Pty Ltd

(71) Xinjiang Goldwind Science & Technology Co., Ltd.
 (11) AU-B-2020415851
 (21) 2020415851 (22) 09.06.2020
 (54) Motor splitting or assembling apparatus, motor splitting method, and motor assembling method
 (51) Int. Cl.
H02K 15/02 (2006.01)
H02K 15/03 (2006.01)
 (87) WO2021/135075
 (31) 201911408904.7 (32) 31.12.19 (33) CN
 (43) 08.07.2021
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 (72) HOU, Nan; LUO, Jiuyang
 (74) Madderns Pty Ltd

(71) Xi'an Biocare Pharma Ltd.
 (11) AU-B-2021251935
 (21) 2021251935 (22) 07.04.2021
 (54) Bile acid derivative salt, crystal structure thereof, preparation method thereof and use thereof

(51) Int. Cl.
C07J 51/00 (2006.01)
 (87) WO2021/204142
 (31) 202010272501.0 (32) 08.04.20 (33) CN
 (43) 14.10.2021
 (44) 18.05.2023
 (72) FU, Guoqin
 (74) Minter Ellison

(71) YETI Coolers, LLC
 (11) AU-B-2020204740
 (21) 2020204740 (22) 06.01.2020
 (54) Luggage system
 (51) Int. Cl.
A45C 5/03 (2006.01)
A45C 5/14 (2006.01)
A45C 13/00 (2006.01)
A45C 13/02 (2006.01)
A45C 13/26 (2006.01)
 (87) WO2020/142777
 (31) 62/788,886 (32) 06.01.19 (33) US
 62/788,888 06.01.19 US
 16/735,013 06.01.20 US
 (43) 09.07.2020
 (44) 18.05.2023
 (72) NICHOLS, Steve Charles; BONDHUS, Andy; CIESZKO, Michael Christopher; LOMBARDI, Nicholas James; ROGERS, Kyle Edward
 (74) Southern Cross Intellectual Property Limited

(71) Ynsect
 (11) AU-B-2017385712
 (21) 2017385712 (22) 28.12.2017
 (54) Method for treating insects, in which the cuticles are separated from the soft part of the insects, and the soft part is then separated into three fractions
 (51) Int. Cl.
A23K 10/20 (2016.01)
A23K 40/10 (2016.01)
 (87) WO2018/122352
 (31) 1663478 (32) 28.12.16 (33) FR
 PCT/ 10.03.17 FR
 FR2017/050554

(43) 05.07.2018
 (44) 18.05.2023
 (72) Laurent, Sophie; Sarton du Jonchay, Thibault; Levon, Jean-Gabriel; Socolsky, Cecilia; Sanchez, Lorena; Berezina, Nathalie; Armenjon, Benjamin; Hubert, Antoine; Le Berre, Corentin; Kireche, Adam; Tokos, Hella; Lorrette, Bénédicte
 (74) Griffith Hack

(71) Zebra Technologies Corporation
 (11) AU-B-2020391392
 (21) 2020391392 (22) 01.10.2020
 (54) Method for optimizing improper product barcode detection
 (51) Int. Cl.
G07G 1/00 (2006.01)
G07G 3/00 (2006.01)
G08B 13/00 (2006.01)
G08B 13/22 (2006.01)
 (87) WO2021/108033
 (31) 16/698,075 (32) 27.11.19 (33) US

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(43) 03.06.2021
 (44) 18.05.2023
 (72) FJELLSTAD, Christopher J.; TURRO, David R.
 (74) Spruson & Ferguson

(71) Zebra Technologies Corporation
 (11) AU-B-2020405493
 (21) 2020405493 (22) 16.09.2020
 (54) System and method of selective auxiliary data capture
 (51) Int. Cl.
 G06K 17/00 (2006.01)
 G06K 7/10 (2006.01)
 G06K 7/14 (2006.01)
 G06M 1/10 (2006.01)
 G06M 3/14 (2006.01)
 G07B 11/09 (2006.01)
 (87) WO2021/126328
 (31) 16/723,220 (32) 20.12.19 (33) US
 (43) 24.06.2021
 (44) 18.05.2023
 (72) BARKAN, Edward; FJELLSTAD, Christopher J.; PANG, Robert James; GURURAJA, Abhilash
 (74) Spruson & Ferguson

(71) Zebra Technologies Corporation
 (11) AU-B-2022202037
 (21) 2022202037 (22) 24.03.2022
 (54) Barcode reader and barcode reader assembly with lift handles
 (51) Int. Cl.
 B66F 9/00 (2006.01)
 G06K 7/10 (2006.01)
 G06K 17/00 (2006.01)
 (31) 17/363,992 (32) 30.06.21 (33) US
 (43) 19.01.2023
 (44) 18.05.2023
 (72) SIECKOWSKI, Steven D.; STIBAL, Benjamin H.; HANDSHAW, Darran Michael
 (74) Spruson & Ferguson

(71) Zhejiang Chint Electrics Co.,Ltd.
 (11) AU-B-2020384177
 (21) 2020384177 (22) 14.11.2020
 (54) Plug-in circuit breaker
 (51) Int. Cl.
 H01H 71/58 (2006.01)
 (87) WO2021/093879
 (31) 20191121721.7 (32) 15.11.19 (33) CN
 (43) 20.05.2021
 (44) 18.05.2023
 (72) LU, Kejun; GU, Xiangyi; YANG, An; ZHU, Jun; GUO, Shaojun
 (74) IP SOLVED (ANZ) PTY. LTD.

ZHEJIANG JINKO SOLAR CO., LTD. see Jinko Green Energy (Shanghai) Management Co., LTD.
 (21) 2022202235

(71) ZTE Corporation
 (11) AU-B-2020329417
 (21) 2020329417 (22) 10.08.2020

(54) Method and device for transmitting wakeup signal, and storage medium
 (51) Int. Cl.
 H04W 52/02 (2009.01)
 (87) WO2021/027769
 (31) 201910735909.4 (32) 09.08.19 (33) CN
 (43) 18.02.2021
 (44) 18.05.2023
 (72) YANG, Weiwei; DAI, Bo; LIU, Kun; FANG, Huiying; BIAN, Luanjian; HU, Youjun
 (74) GLMR

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2016202871	Australian Trailer Solutions Group Property Pty Ltd	2017360115	Cross, T.P.
2016317661	Ology Bioservices, Inc.	2017365237	Council of Scientific & Industrial Research
2016321116	Brigham and Women's Hospital, Inc.	2017368518	National Center of Neurology and Psychiatry
2016329919	Lemonex Inc.	2017373557	Neuronano AB
2016338747	The United States of America, as represented by the Secretary, Department of Health and Human Services	2017379065	Johnson & Johnson Consumer Inc.
2016342049	ModernaTX, Inc.	2017379550	Equinor Energy AS
2016378737	Biomerica, Inc.	2017380760	Liaver GmbH & Co. KG
2016406798	iRobot Corporation	2017382296	The Alfred E. Mann Foundation for Scientific Research
2016409864	Cytec Industries Inc.	2017385712	Ynsect
2016422173	Garios, W.	2017386410	Metronom Health, Inc.
2016432186	Kimberly-Clark Worldwide, Inc.	2017387430	KONE Corporation
2017202340	Koks Group B.V.	2017397835	Alcon Inc.
2017203875	CNH Industrial America LLC; Autonomous Solutions, Inc.	2017401534	TerraPower, LLC
2017204957	Commonwealth Scientific and Industrial Research Organisation	2017416031	Prysmian S.p.A.
2017211858	Memorial Sloan-Kettering Cancer Center	2017423262	Prysmian S.p.A.
2017215211	The Trustees of The University of Pennsylvania	2017424814	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2017217248	La Trobe University	2017424910	Equelo SP.Z O.O.
2017223057	Temasek Life Sciences Laboratory Limited	2017424920	Razer (Asia-Pacific) Pte. Ltd.
2017232166	NORTHLAND SAFETY SOLUTIONS LIMITED	2017427586	Equifax Inc.
2017236239	BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH	2017436083	Halliburton Energy Services, Inc.
2017245315	BLUESCOPE STEEL LIMITED	2018200900	Johnson & Johnson Consumer Inc.
2017254838	Fujitsu General Limited	2018200926	Southern Cross Trading 5 (Pty) Ltd
2017268396	ModernaTX, Inc.	2018203455	The Boeing Company
2017272916	Liquid Intellect International Pty. Ltd.	2018207665	Radio Systems Corporation
2017276807	Breville Pty Limited	2018208010	Wandercraft
2017277779	Tyco Fire Products LP	2018214388	Toray Industries, Inc.
2017277800	CNH Industrial America LLC; Autonomous Solutions, Inc.	2018214814	Benjamin Moore & Co.
2017280943	The Board of Trustees of the Leland Stanford Junior University; Emory University	2018217309	Upreti, S.
2017281303	Ocado Innovation Limited	2018217710	Superior Industries, Inc.
2017281530	Crown Equipment Corporation	2018218560	Novideas S.r.l.
2017281539	Crown Equipment Corporation	2018218799	Equinor Energy AS
2017282723	SwarmFarm Robotics Pty Ltd	2018219578	Meiko Maschinenbau GmbH & Co. KG
2017285224	Regents of The University of Minnesota	2018223076	Guhl, B.
2017286604	Cellectar Biosciences, Inc.	2018223205	Savage, J.
2017288521	Wavin B.V.	2018223229	Parkd Ltd
2017290353	Tulavi Therapeutics, Inc.	2018224426	Singapore Health Services Pte Ltd
2017290671	Black & Decker Inc.	2018225084	Verifi LLC
2017296317	Armstrong World Industries, Inc.	2018226188	Ecolean AB
2017298222	Seidel, D.	2018227468	CiDRA Corporate Services LLC
2017301511	Cerapedics, Inc.	2018228663	T.J.Smith and Nephew, Limited
2017301744	Ecolab USA Inc.	2018231583	Akulight AS
2017305661	Emeramed Limited	2018232702	Nomad Bioscience GmbH; UAB Nomads
2017307335	Koninklijke Philips N.V.	2018235948	915 Labs, Inc.
2017308788	Norbrook Laboratories Limited	2018237312	Johnson & Johnson Surgical Vision, Inc.
2017311412	Ovid Therapeutics Inc.	2018238533	Defrancq, H.
2017311865	Unifiller Systems Inc.	2018239264	Magic Leap, Inc.
2017328613	F. Hoffmann-La Roche AG	2018239935	FMC Corporation
2017332752	Artisan Vehicle Systems Inc.	2018240904	Honda Motor Co.,Ltd.
2017335772	Kellogg Company	2018244364	Cryovac, Inc.
2017336229	Heinze Gruppe Verwaltungs GmbH	2018247568	Effusiontech IP Pty Ltd
2017338624	The Governing Council of The University of Toronto; Sunnybrook Research Institute	2018247749	INSTAHEAT AG
2017338791	Breville Pty Limited	2018252160	Limacorporate S.p.A.
2017342282	Advanced Drainage Systems, Inc.	2018254411	ConocoPhillips Company
2017342432	NeVap, Inc.	2018255941	Syrp Limited
2017343369	Fisher & Paykel Healthcare Limited	2018261218	Apogee Enterprises, Inc.
2017345707	Brijjit Medical, Inc.	2018262177	BioEcho Life Sciences GmbH
2017350165	Assa Abloy Entrance Systems AB	2018263292	Commonwealth Scientific and Industrial Research Organisation
2017355673	Totes Isotoner Corporation	2018268704	Weylchem Wiesbaden GmbH
2017357374	ASC Regenity Ltd.	2018271375	Fives Intralogistics S.p.A. Con Socio Unico
2017358483	Mölnlycke Health Care AB	2018277152	Becton Dickinson France
		2018285923	TAE Technologies, Inc.
		2018297274	Kapiloff, M.S.
		2018299419	Cullen, S.; Pantin, C.; Pantin, V.
		2018299799	Dow Global Technologies LLC
		2018301651	SRI International
		2018303662	Cisco Technology, Inc.

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2018312581	ObjectVideo Labs, LLC	2020204541	Regencor, Inc.; Sanford Burnham Prebys Medical Discovery Institute
2018318347	Jiangsu Rotam Chemistry Co., Ltd.	2020204740	YETI Coolers, LLC
2018324070	East Carolina University	2020206080	LG Electronics Inc.
2018333498	BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH	2020207942	Techcyte, Inc.
2018341019	De La Rue International Limited	2020210967	Everseen Limited
2018341394	ExRobotics B.V.	2020212757	Huawei Technologies Co., Ltd.
2018361828	Discuva Ltd.	2020216500	Schlage Lock Company LLC
2018367916	UPL Ltd	2020220413	MagAssist, Inc.
2018374839	Itron, Inc.	2020221993	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2018380426	Vertex Pharmaceuticals Incorporated	2020223701	Cufone, M.
2018383669	The Research Foundation for the State University of New York	2020224331	BASF Coatings GmbH
2018391799	Galderma Research & Development	2020228803	ShanghaiTech University
2018413791	Step Pharma S.A.S.	2020229871	Regeneron Pharmaceuticals, Inc.
2018451721	Hewlett-Packard Development Company, L.P.	2020229917	Huawei Technologies Co., Ltd.
2019201909	General Electric Company	2020231091	Medacta International SA
2019219773	P J Staples Limited	2020248270	Shenzhen Chipscreen Biosciences Co., Ltd.
2019220741	Qualcomm Incorporated	2020249395	Kabushiki Kaisha Toyota Jidoshokki
2019225798	Medigene Immunotherapies GmbH	2020252207	PPG Industries Ohio, Inc.
2019240207	Alphamed, Inc.	2020252576	Butler, W.
2019240270	Halter USA Inc	2020254703	Lummus Technology LLC
2019242685	Dai Nippon Printing Co., Ltd.	2020256312	PLF Agritech Pty Ltd
2019242751	GENESYS CLOUD SERVICES HOLDINGS II, LLC	2020256358	Potrero Medical, Inc.
2019245435	CommScope Technologies LLC	2020256662	Beijing Chengshi Wanglin Information Technology Co., Ltd.
2019250504	Qurient Co., Ltd.; Lead Discovery Center GmbH	2020259946	Hinova Pharmaceuticals Inc.
2019252287	Qualcomm Incorporated	2020264326	Guardant Health, Inc.
2019252409	QuVa Pharma, Inc.	2020265432	Church & Dwight Co., Inc.
2019253089	Hands-on Virtual Reality Labs LLC	2020267282	Novartis AG
2019260793	Spruce Biosciences, Inc.	2020268954	Bridgestone Europe NV/SA
2019266295	Qualcomm Incorporated	2020270237	Huawei Technologies Co., Ltd.
2019270515	Leibniz-Institut für Plasmaforschung und Technologie e.V.	2020270768	Todoc Co., Ltd.
2019271388	California Institute of Technology	2020271840	PayPal, Inc.
2019282460	Enertech Limited	2020271984	Medacta International SA
2019290032	Automatic Technology (Australia) Pty Ltd	2020273316	Sigma-Aldrich Co. LLC
2019295776	GE Nutrients, Inc.	2020276005	Shanghai Leado Pharmatech Co. Ltd.
2019307604	Amsted Rail Company, Inc.	2020277301	Boston Scientific Scimed, Inc.
2019308251	Insulet Corporation	2020282352	Encoded Therapeutics, Inc.
2019317924	Toppan Printing Co., Ltd.	2020285759	Aquasolution Corporation
2019329023	Stevlos B.V.	2020286230	GEORGETOWN UNIVERSITY
201932683	Chiyoda Corporation	2020286236	Fisher & Paykel Healthcare Limited
2019368215	Inscripta, Inc.	2020287179	The Procter & Gamble Company
2019374529	String Bio Private Limited	2020289549	X Development LLC
2019379106	Conmed Corporation	2020294225	Breville Pty Limited
2019390482	Milwaukee Electric Tool Corporation	2020295264	CJ CheilJedang Corporation
2019392067	TRU Zip LLC	2020295460	CRRC Qingdao Sifang Co., Ltd.
2019396397	Inventio AG	2020299514	Colgate-Palmolive Company
2019403265	Abnormal Security Corporation	2020312856	Biocompatibles UK Limited
2019404197	The Cleveland Clinic Foundation	2020322086	Nokia Technologies Oy
2019405444	Elanco Tiergesundheit AG	2020323127	Hexion Inc.
2019405839	Posco; Research Institute Of Industrial Science & Technology	2020327863	Wescone Distribution Pty Ltd
2019409113	Inventio AG	2020329417	ZTE Corporation
2019419406	Repligen Corporation	2020334705	Telefonaktiebolaget LM Ericsson (publ)
2019422268	General Electric Company	2020335790	Huawei Technologies Co., Ltd.
2019422590	Shenzhen Hive Box Technology Co., Ltd	2020335813	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.
2019428447	Hewlett-Packard Development Company, L.P.	2020336766	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.
2019433083	NEC Corporation	2020338794	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.
2019442226	Colgate-Palmolive Company	2020341814	Mobile Advanced Technologies, LLC
2019444370	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.	2020343687	Mobile Advanced Technologies, LLC
2019457052	Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shizhen Information Technology Co., Ltd.	2020346171	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.
2019460184	Colgate-Palmolive Company	2020349748	LONGi Solar Technology CO., Ltd.
2019462417	Nissin Electric Co., Ltd.	2020354000	Wuxi Hisky Medical Technologies Co., Ltd.
2019468311	Nantkwest, Inc.	2020356369	Mustang Sampling, LLC
2020201048	Memorial Sloan-Kettering Cancer Center	2020356726	Pritchard, J.
2020201541	Thales Management & Services Deutschland GmbH	2020357152	Daikin Industries, Ltd.
2020203636	Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology	2020357581	Raven Industries, Inc.

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2020366585	DualSun	2021212165	The General Hospital Corporation
2020368075	Lanxess Deutschland GmbH	2021215151	ALX Oncology Inc.
2020373770	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.	2021218036	Apple Inc.
2020376125	Danieli Automation S.p.A.	2021218145	Cagent Vascular, Inc.
2020378282	Medikine, Inc.	2021218168	ConMed Corporation
2020378394	China Mobile Communication Co., Ltd Research Insti- tute; China Mobile Communications Group Co., Ltd.	2021221374	CJ Cheiljedang Corporation
2020379335	Hitachi, Ltd.	2021225173	Google LLC
2020384177	Zhejiang Chint Electrics Co.,Ltd.	2021225186	HONEYWELL INTERNATIONAL INC.
2020388742	Shanghai MicroPort EP MedTech Co., Ltd.	2021225193	United Arab Emirates University
2020391048	PMS Handelskontor GmbH	2021229220	Huawei Technologies Co., Ltd.
2020391392	Zebra Technologies Corporation	2021232217	The Kun Shoulder Rest Inc.
2020392420	Neste Oyj	2021232676	SUNGROW (SHANGHAI) CO., LTD.
2020393015	HID Textile Services SARL	2021232708	Ishida Co., Ltd.
2020394004	Mitsubishi Heavy Industries Engineering, Ltd.	2021232737	Bio-Gene Technology Limited
2020396167	Hitachi, Ltd.	2021232752	DEKA Products Limited Partnership
2020397825	Chevron U.S.A. Inc.	2021234584	Shenyang Sinochem Agrochemicals R&D Co., Ltd.; Ji- angsu Yangnong Chemical Co., Ltd.
2020400213	Landspace Science & Technology Co., Ltd	2021236453	ExxonMobil Technology and Engineering Company
2020402039	PayPal, Inc.	2021236526	GI Scientific, LLC
2020402903	Xinjiang Goldwind Science & Technology Co., Ltd.	2021236558	Becton Dickinson France
2020403497	Mitsubishi Materials Corporation	2021240159	Westinghouse Air Brake Technologies Corporation
2020405493	Zebra Technologies Corporation	2021240320	Su, W.
2020407109	Tencent America LLC	2021245105	Unilever IP Holdings B.V.
2020407298	Element Six (UK) Limited	2021245157	Illumina, Inc.; Illumina Cambridge Limited
2020415851	Xinjiang Goldwind Science & Technology Co., Ltd.	2021245170	CooperVision International Limited
2020417159	Dropbox, Inc.	2021251935	Xi'an Biocare Pharma Ltd.
2020418483	Benjamin Moore & Co.	2021258080	Skylark WL Holdings, LLC
2020427613	Shandong University of Science and Technology	2021258094	Komatsu Ltd.
2020453086	Qyuns Therapeutics Co., Ltd.	2021266185	Dexcom, Inc.
2020464165	CONEX HEALTHCARE PTE. LTD.	2021266219	Huawei Technologies Co., Ltd.
2021200039	CDA Research Group, Inc.	2021266258	Golden Solar (Quanzhou) New Energy Technology Co., Ltd.
2021200280	True Manufacturing Co., Inc.	2021269389	Illumina, Inc.
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2021202402	Leatherman Tool Group, Inc.	2021277638	Ascendis Pharma Growth Disorders A/S
2021202725	Panduit Corp.	2021277733	Ab Initio Technology LLC
2021202766	Circulogene Theranostics, Inc.	2021280402	Commonwealth Scientific and Industrial Research Or- ganisation
2021202795	Contemporary Han Cloud Co., Ltd	2021286414	DEKA Products Limited Partnership
2021202947	ABB Schweiz AG	2021286450	Thales Holdings UK Plc
2021202968	NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY; FURUKAWA ELECTRIC CO., LTD.	2021290227	DEKA Products Limited Partnership
2021203193	Abbott Diabetes Care Inc.	2021290427	SenseTime International Pte. Ltd.
2021203213	LG ELECTRONICS INC.; EPTech Co., Ltd	2021303413	Anteris Technologies Corporation
2021203217	NUC Electronics Co., Ltd.	2021318113	Intuit Inc.
2021203297	Illumina, Inc.	2021328131	I911 International, Inc.
2021203399	Intarcia Therapeutics, Inc.	2021336098	Hindustan Petroleum Corporation Limited
2021203408	Canon Kabushiki Kaisha	2021353103	STANDARD MILLOX PHARMACEUTICALS OY
2021203598	Intuit, Inc.	2021356330	SIGNATURE ORTHOPAEDICS EUROPE LTD
2021203889	Daiichi Sankyo Company, Limited	2021404185	CooperVision International Limited
2021203984	TE Connectivity Australia Pty Ltd	2022200488	HAO, D.
2021204008	LG Electronics Inc.	2022200684	Corteva Agriscience LLC
2021204020	Société des Produits Nestlé S.A.	2022200803	Westinghouse Air Brake Technologies Corporation
2021204022	Atea Pharmaceuticals, Inc.	2022201007	BiSN Tec Ltd
2021204027	Société des Produits Nestlé S.A.	2022201008	BiSN Tec Ltd
2021204082	LG Electronics Inc.	2022201185	QINGDAO UNIVERSITY OF TECHNOLOGY; IK GUJRAL PUNJAB TECHNICAL UNIVERSITY
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2021211974	Todoc Co., Ltd.	2022263450	iBasis, Inc.
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2017282723	2022200684	<u>A43B 13 /-</u>	<u>A47K 13 /-</u>	<u>A61F 2 /-</u>	2018232702
<u>A01D 90 /-</u>	<u>A01N 47 /-</u>	2017355673	2017360115	2017338624	2018297274
2018217710	2018318347	<u>A44B 19 /-</u>	<u>A47L 11 /-</u>	2018237312	2018383669
<u>A01G 27 /-</u>	<u>A01N 57 /-</u>	2019392067	2016406798	2018252160	2020204541
2020285759	2018367916	<u>A45C 13 /-</u>	<u>A47L 15 /-</u>	2021203399	2021212084
<u>A01G 31 /-</u>	<u>A01N 59 /-</u>	2020204740	<u>A61B 1 /-</u>	2021303413	2021215151
2020285759	2018367916	<u>A45C 5 /-</u>	2018219578	2021356330	<u>A61K 39 /-</u>
<u>A01G 31 /-</u>	<u>A01N 61 /-</u>	2020204740	<u>A61B 10 /-</u>	<u>A61F 5 /-</u>	2016317661
2020285759	2018367916	<u>A45F 3 /-</u>	2017342432	2018299419	2016342049
<u>A01G 7 /-</u>	<u>A01P 13 /-</u>	2017298222	2020277301	<u>A61F 9 /-</u>	2017215211
2020285759	2018367916	<u>A46B 11 /-</u>	<u>A61B 17 /-</u>	2017397835	2017280943
<u>A01H 5 /-</u>	2020365272	2019460184	2017338624	2019240207	2017290353
2017204957	<u>A01P 15 /-</u>	<u>A46B 15 /-</u>	2017345707	<u>A61G 5 /-</u>	2017368518
<u>A01K 15 /-</u>	2018367916	2019460184	2019379106	2021286414	2020203636
2018207665	<u>A01P 21 /-</u>	2020287179	2020231091	2021290227	2020453086
2019240270	2018367916	<u>A46B 9 /-</u>	2020271984	2023201472	2021203889
<u>A01K 27 /-</u>	<u>A01P 3 /-</u>	2020287179	2021203399	<u>A61H 3 /-</u>	<u>A61K 45 /-</u>
2019240270	2020368075	<u>A46D 1 /-</u>	2021204726	2018208010	2017305661
<u>A01K 51 /-</u>	<u>A01P 7 /-</u>	2020287179	2021218168	<u>A61J 1 /-</u>	2017368518
2019219773	2018318347	<u>A47C 21 /-</u>	2021236526	2021203399	2018324070
<u>A01K 67 /-</u>	2021232737	2021204398	2022200488	<u>A61K 31 /-</u>	2020273316
2017285224	<u>A21C 9 /-</u>	<u>A47D 9 /-</u>	<u>A61B 18 /-</u>	2016342049	2021204020
<u>A01M 1 /-</u>	2017311865	2017298222	2020286236	2017290353	2021204027
2019219773	<u>A23G 9 /-</u>	<u>A47G 9 /-</u>	<u>A61B 3 /-</u>	2017305661	<u>A61K 47 /-</u>
<u>A01M 7 /-</u>	2021245105	2017298222	2017397835	2017308788	2017301511
2017282723	<u>A23K 10 /-</u>	<u>A47J 27 /-</u>	<u>A61B 5 /-</u>	2017311412	2017308788
2020357581	2017385712	2017276807	2017373557	2018200900	2019252409
<u>A01N 25 /-</u>	<u>A23K 40 /-</u>	<u>A47J 31 /-</u>	2017386410	2018224426	2021203889
2018318347	2017385712	2017307335	2018223205	2018297274	2021277638
2019219773	<u>A23L 3 /-</u>	2020294225	2019404197	2018324070	2021353103
2020368075	<u>A23L 33 /-</u>	<u>A47J 36 /-</u>	2020252576	2018361828	<u>A61K 48 /-</u>
<u>A01N 35 /-</u>	2018232702	2017276807	2020256358	2018391799	2017215211
2021232737	<u>A23L 33 /-</u>	<u>A47J 37 /-</u>	2020270768	2018413791	2018297274
<u>A01N 37 /-</u>	2019295776	2020277301	2020270768	2019250504	<u>A61K 49 /-</u>
2018367916	2021204020	2020354000	2020464165	2019252409	2020312856
2019219773	2021204027		2021202795	2019260793	<u>A61K 8 /-</u>
			2021203193	2019405444	2017357374
			2021266185	2020228803	2018200900
				2020248270	2019442226
				2020259946	2020265432
				2020276005	2020299514
				2020286230	<u>A61K 9 /-</u>
				2021200039	2017268396
				2021203889	2017290353
				2021204022	2017308788
				2022203557	2018324070
				<u>A61K 35 /-</u>	2019252409
				2016321116	2020229871

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<u>A61L 2 /-</u>	2020276005	2018297274 2020204541	<u>B01L 3 /-</u>	<u>B24B 49 /-</u>	<u>B33Y 30 /-</u>
2019270515 2021204510	<u>A61P 13 /-</u>	<u>A61Q 11 /-</u>	2021269389	2022201185	2017338624 2018247568
<u>A61L 27 /-</u>	2019295776 2020276005	2019442226 2020299514	<u>B02C 13 /-</u>	<u>B24B 55 /-</u>	<u>B33Y 40 /-</u>
2017301511 2017338624 2021303413	<u>A61P 17 /-</u>	<u>A61Q 19 /-</u>	2020391048	2022201185	2018247568
<u>A61M 1 /-</u>	2018200900 2020276005	2017357374 2018200900	<u>B02C 2 /-</u>	<u>B25B 7 /-</u>	<u>B33Y 50 /-</u>
2017342432 2017358483 2018228663 2021232752	<u>A61P 19 /-</u>	<u>A61Q 5 /-</u>	2020327863	2021202402	2018247568
<u>A61M 16 /-</u>	2021277638	2020265432	<u>B03D 3 /-</u>	<u>B25C 1 /-</u>	<u>B33Y 70 /-</u>
2017342432 2017343369 2020286236	<u>A61P 25 /-</u>	2017277779	2016409864	2017290671	2017338624
<u>A61M 25 /-</u>	2017368518 2020282352 2020286230 2021204020 2021204027	<u>A62C 35 /-</u>	<u>B04C 11 /-</u>	<u>B25F 1 /-</u>	<u>B41F 31 /-</u>
2017290353 2021218145	<u>A61P 27 /-</u>	2017424920 2018239264	2017202340	2021202402	2018341019
<u>A61M 27 /-</u>	2018224426 2020229871	<u>B01D 19 /-</u>	<u>B04C 5 /-</u>	<u>B25J 9 /-</u>	<u>B41J 2 /-</u>
2018228663	<u>A61P 29 /-</u>	2021204300	2017202340	2018208010	<u>B41M 1 /-</u>
<u>A61M 35 /-</u>	2017290353 2019250504 2020276005 2020453086	<u>B01D 21 /-</u>	<u>B05B 12 /-</u>	2021202402	2018341019
2017338624	<u>A61P 3 /-</u>	2016409864	2017282723 2020357581	<u>B26B 13 /-</u>	<u>B42D 25 /-</u>
<u>A61M 37 /-</u>	2017268396 2020203636	<u>B01D 29 /-</u>	<u>B05C 1 /-</u>	2021202402	2018341019 2019317924
2017379065 2021203399	<u>A61P 31 /-</u>	2019419406	2018227468	<u>B26D 1 /-</u>	<u>B44C 3 /-</u>
<u>A61M 39 /-</u>	2017268396 2020203636	<u>B01D 3 /-</u>	<u>B05C 5 /-</u>	<u>B26D 7 /-</u>	2019242685
2017358483 2019308251	<u>A61P 33 /-</u>	2021225193	2017311865	2020223701	<u>B44F 9 /-</u>
<u>A61M 5 /-</u>	2016342049 2018361828 2019250504	<u>B01D 39 /-</u>	<u>B05C 9 /-</u>	<u>B28C 5 /-</u>	2019242685
2018277152 2019308251 2021236558	<u>A61P 35 /-</u>	2019419406	2018227468	2018225084	<u>B60J 5 /-</u>
<u>A61M 60 /-</u>	2019405444	<u>B01D 45 /-</u>	<u>B05D 1 /-</u>	<u>B28C 7 /-</u>	2016202871
2020220413	2018413791 2019250504 2019295776 2019468311 2020228803 2020248270 2020259946 2020378282 2021203889	2017202340	2017311865	2018225084	<u>B60L 15 /-</u>
<u>A61N 1 /-</u>	<u>A61P 33 /-</u>	<u>B01D 53 /-</u>	<u>B07C 3 /-</u>	<u>B29C 33 /-</u>	2021290227
2017373557 2017382296 2020270768 2021211974	<u>A61P 35 /-</u>	2020394004 2021204300	2018271375	2021286450	<u>B60L 53 /-</u>
<u>A61N 5 /-</u>	2018413791 2019250504 2019295776 2019468311 2020228803 2020248270 2020259946 2020378282 2021203889	<u>B01D 63 /-</u>	<u>B07C 5 /-</u>	<u>B29C 59 /-</u>	2018341394
2018200900 2018231583	<u>A61P 37 /-</u>	2018214388	2021201293	2021286450	<u>B60R 11 /-</u>
<u>A61P 1 /-</u>	2017368518 2019250504 2020378282	<u>B01F 23 /-</u>	<u>B23K 101 /-</u>	<u>B29C 64 /-</u>	2017203875
2020276005	<u>A61P 43 /-</u>	2018218560 2021240320	2021266258	2017338624 2018247568	<u>B60T 13 /-</u>
<u>A61P 11 /-</u>	2017368518	<u>B01F 25 /-</u>	2020407298	<u>B32B 15 /-</u>	2021240159
	<u>A61P 9 /-</u>	2021240320	<u>B23K 26 /-</u>	2021204788	<u>B60T 17 /-</u>
		<u>B01J 29 /-</u>	2020343687	<u>B32B 3 /-</u>	2021240159
		2021202968	<u>B24B 1 /-</u>	2019242685 2021204788	<u>B60T 8 /-</u>
		<u>B01J 8 /-</u>	2022201185	<u>B33Y 10 /-</u>	2021240159
		2020254703	<u>B24B 41 /-</u>	2018247568	<u>B60W 30 /-</u>
			2022201185		2020268954

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<u>B60W 40 /-</u>		2017272916	2021203889	2018380426	2018301651
2020268954	<u>B65D 33 /-</u>	2017311865		2019405444	2021203889
	2019392067		<u>C07C 233 /-</u>	2020228803	
<u>B60W 50 /-</u>		<u>B82Y 15 /-</u>	2021203889	<u>C07D 407 /-</u>	<u>C08B 37 /-</u>
2020268954	<u>B65D 5 /-</u>	2021245157		2020276005	2016329919
	2017272916		<u>C07C 235 /-</u>		<u>C08F 10 /-</u>
<u>B61F 5 /-</u>		<u>C01B 17 /-</u>	2018324070	<u>C07D 409 /-</u>	
2020295460	<u>B65D 77 /-</u>	2019271388		2020276005	2018299799
	2017272916		<u>C07C 405 /-</u>		<u>C08F 2 /-</u>
<u>B61G 11 /-</u>		<u>C01B 3 /-</u>	2018324070	<u>C07D 411 /-</u>	2018299799
2020427613	<u>B65D 81 /-</u>	2020249395		2020259946	
	2017335772	2021336098	<u>C07D 207 /-</u>		<u>C08F 216 /-</u>
<u>B61H 13 /-</u>	2018235948		2018239935	<u>C07D 413 /-</u>	2020312856
2021240159	<u>B65G 15 /-</u>	2020394004		2018361828	
	2018271375	2021336098	<u>C07D 213 /-</u>	2020365272	<u>C08F 218 /-</u>
<u>B61L 15 /-</u>	2020356726		2018413791		
2019307604		<u>C01B 39 /-</u>	2022200684	<u>C07D 417 /-</u>	2020323127
	<u>B65G 39 /-</u>	2019405839		2020228803	<u>C08F 220 /-</u>
<u>B61L 17 /-</u>	2016432186		<u>C07D 215 /-</u>		2020252207
2019307604	2020356726	<u>C01F 7 /-</u>	2019405444	<u>C07D 471 /-</u>	2020323127
		2016409864		2019405444	<u>C08F 230 /-</u>
<u>B61L 25 /-</u>	<u>B65G 41 /-</u>	<u>C01G 23 /-</u>	2018380426	2020228803	
2019307604	2018217710		2019260793	2022203557	2016409864
2020201541		2021280402	2021234584	<u>C07D 487 /-</u>	<u>C08F 290 /-</u>
<u>B61L 27 /-</u>	<u>B65G 47 /-</u>	<u>C02F 1 /-</u>		2018391799	
2020379335	2017311865		<u>C07D 233 /-</u>	2019250504	2020252207
2020396167	2018217710	2016409864	2019260793	2020228803	<u>C08F 8 /-</u>
	<u>B65G 63 /-</u>	2021225193			
<u>B62D 33 /-</u>		<u>C02F 103 /-</u>	<u>C07D 239 /-</u>	<u>C07D 491 /-</u>	2020312856
2016202871	2017281303		2018413791	2021203889	<u>C08G 18 /-</u>
	<u>B65G 65 /-</u>	2021225193	2020259946		
<u>B62D 49 /-</u>		<u>C02F 3 /-</u>	<u>C07D 247 /-</u>	<u>C07D 495 /-</u>	2020252207
2017203875	2018217710	2018218560	2019260793	2020228803	<u>C08J 3 /-</u>
	<u>B65G 67 /-</u>				
<u>B62D 57 /-</u>		<u>C02F 5 /-</u>	<u>C07D 295 /-</u>	<u>C07H 19 /-</u>	2021353103
2018208010	2018217710	2017301744	2022203557	2021204022	<u>C08J 9 /-</u>
	<u>B65G 69 /-</u>				
<u>B63B 21 /-</u>		<u>C03B 33 /-</u>	<u>C07D 311 /-</u>	<u>C07J 51 /-</u>	2018227468
2017379550	2018217710	2020343687	2019405444	2021251935	<u>C08K 5 /-</u>
2019329023	<u>B65H 16 /-</u>				
2020223701	2020393015	<u>C03C 17 /-</u>	<u>C07D 343 /-</u>	<u>C07K 14 /-</u>	2020323127
		2018261218	2020276005	2017268396	2021209170
<u>B63B 49 /-</u>	<u>B66B 13 /-</u>			2017280943	<u>C09D 133 /-</u>
2021328131	2017387430	<u>C04B 2 /-</u>	<u>C07D 401 /-</u>	2018297274	
		2019271388	2018361828	2018301651	2017296317
<u>B63B 5 /-</u>	<u>B66B 19 /-</u>		2018380426	2018333498	2020252207
2021286450	2019409113	<u>C04B 28 /-</u>	2018413791	2019225798	
		2020368075	2020228803	2020378282	<u>C09D 143 /-</u>
<u>B65B 43 /-</u>	<u>B66F 9 /-</u>		2020259946	20212215151	
2018226188	2022202037	<u>C05D 9 /-</u>	2022203557	2021221374	2020252207
2021232708		2019271388		<u>C07K 16 /-</u>	2020323127
	<u>B67D 1 /-</u>		<u>C07D 403 /-</u>	2016338747	<u>C09D 17 /-</u>
<u>B65B 57 /-</u>		<u>C07B 61 /-</u>	2018361828	2019225798	2020418483
2021232708	2017272916		2018413791	2020203636	
	2018244364	2021203889	2020259946	2020453086	<u>C09D 175 /-</u>
<u>B65D 25 /-</u>	<u>B67D 3 /-</u>	<u>C07C 231 /-</u>	<u>C07D 405 /-</u>	2021203889	
2021236558				<u>C07K 7 /-</u>	2020252207

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<u>C09D 5 /-</u>	2016329919 2017204957 2017215211 2017236239 2017280943	<u>C22B 34 /-</u>	2016422173	<u>E05D 15 /-</u>	<u>F04B 7 /-</u>
2017296317	2017280943	2021280402	<u>E04B 1 /-</u>	2018223076	2019308251
<u>C09D 7 /-</u>	2017285224 2018262177 2018383669 2019368215 2019468311 2020229871 2020264326 2020267282 2020273316 2020282352	<u>C22C 21 /-</u>	2022279443	<u>E05D 3 /-</u>	<u>F04C 18 /-</u>
2017296317	2018262177	2018203455	<u>E04B 5 /-</u>	2021203213	2017254838
2020323127	2018383669	<u>C22C 9 /-</u>	2017336229 2018223229	<u>E05D 7 /-</u>	<u>F04C 29 /-</u>
2020418483	2019368215	2020403497	<u>E04C 1 /-</u>	2020335813 2020336766 2020338794	2017254838
<u>C09K 8 /-</u>	2019468311 2020229871 2020264326 2020267282 2020273316 2020282352	<u>C22F 1 /-</u>	2017232166	<u>E05F 15 /-</u>	<u>F16B 31 /-</u>
2017301744	2020295264 2020453086	2020403497	<u>E04C 2 /-</u>	2017350165 2019290032	2022200488
<u>C10B 53 /-</u>	2021212165 2021221374 2023202056	<u>C23C 14 /-</u>	2017232166	<u>E06B 1 /-</u>	<u>F16B 35 /-</u>
2020392420	2020295264 2020453086	2018203455 2018261218	<u>E04C 5 /-</u>	2018223229	2022200488
<u>C10G 1 /-</u>	2021212165 2021221374 2023202056	<u>C23C 24 /-</u>	2018223229	<u>E04D 13 /-</u>	<u>F16B 39 /-</u>
2020392420	<u>C12N 5 /-</u>	2018247568	<u>E04D 13 /-</u>	2017232166	2022200488
<u>C10G 11 /-</u>	2017211858 2017236239 2018333498 2019468311 2020201048 2020453086 2023202348	<u>C23F 11 /-</u>	2017245315 2020349748 2023201144	<u>E06B 3 /-</u>	<u>F16C 13 /-</u>
2020254703	2017211858 2017236239 2018333498 2019468311 2020201048 2020453086 2023202348	2017301744	<u>E04D 3 /-</u>	2019290032	2016432186
<u>C10G 19 /-</u>	2020295264 2020453086 2023202348	<u>C25B 1 /-</u>	<u>E04D 3 /-</u>	<u>E06C 1 /-</u>	<u>F16C 32 /-</u>
2020392420	2020295264 2020453086 2023202348	2019271388	2020349748	2021206781	2020220413
<u>C10G 21 /-</u>	<u>C12N 9 /-</u>	<u>C25B 15 /-</u>	<u>E04F 13 /-</u>	<u>E06C 7 /-</u>	<u>F16F 9 /-</u>
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<u>C10G 3 /-</u>	2017215211 2018232702 2019368215 2020273316 2020295264 2023202056	<u>C40B 30 /-</u>	<u>E04F 15 /-</u>	<u>E21B 33 /-</u>	<u>F16K 11 /-</u>
2020392420	2017215211 2018232702 2019368215 2020273316 2020295264 2023202056	2021269389	2022279443	2017379550 2017436083 2022201007 2022201008	2019308251
<u>C10G 55 /-</u>	<u>C12P 13 /-</u>	<u>C40B 40 /-</u>	<u>E04G 11 /-</u>	<u>E21B 36 /-</u>	<u>F16L 13 /-</u>
2020392420	2020295264 2021221374	2021202766	2019409113	2021206781	2017288521
<u>C10G 9 /-</u>	2020295264 2021221374	<u>C40B 50 /-</u>	<u>E04H 9 /-</u>	<u>E21B 36 /-</u>	<u>F16L 3 /-</u>
2020392420	2020295264 2021221374	2021202766 2021269389	2022279443	2022201007 2022201008	2018223229
<u>C10L 3 /-</u>	<u>C12P 19 /-</u>	2021202766 2021269389	<u>E05B 41 /-</u>	<u>E21B 43 /-</u>	<u>F16L 33 /-</u>
2021204300	2021202766	<u>E01F 8 /-</u>	2020216500 2021206788	2018218799	2017288521 2021202947
<u>C11D 11 /-</u>	<u>C12Q 1 /-</u>	2017380760	<u>E05B 45 /-</u>	<u>F01D 15 /-</u>	<u>F16L 35 /-</u>
2018268704	2017217248 2017223057 2017328613 2017368518 2020201048 2020264326 2021202766 2021212165 2021269389 2023202348	<u>E02D 27 /-</u>	2020216500	2019201909	2021202947
<u>C11D 17 /-</u>	2017217248 2017223057 2017328613 2017368518 2020201048 2020264326 2021202766 2021212165 2021269389 2023202348	2017379550	<u>E05B 47 /-</u>	<u>F02D 19 /-</u>	<u>F16L 41 /-</u>
2018268704	2017217248 2017223057 2017328613 2017368518 2020201048 2020264326 2021202766 2021212165 2021269389 2023202348	<u>E02F 9 /-</u>	2020216500 2021206788	2020249395	2020366585
<u>C11D 3 /-</u>	2020264326 2021202766 2021212165 2021269389 2023202348	2021258094	<u>E05B 59 /-</u>	<u>F02M 21 /-</u>	<u>F16M 11 /-</u>
2018268704	2020264326 2021202766 2021212165 2021269389 2023202348	<u>E03B 3 /-</u>	2021204207	2020249395	2018255941
<u>C11D 7 /-</u>	<u>C21D 1 /-</u>	2016422173	<u>E05B 63 /-</u>	<u>F02M 27 /-</u>	<u>F16M 13 /-</u>
2018268704	2017401534	<u>E03B 7 /-</u>	2021204207	2020249395	2018255941
<u>C12M 3 /-</u>	2017401534	2016422173	<u>E05B 65 /-</u>	<u>F04B 1 /-</u>	<u>F16M 3 /-</u>
2017338624	2017401534	<u>E03F 1 /-</u>	2019290032 2020216500 2021204207	2019308251	2017281530
<u>C12N 1 /-</u>	2017401534	2017342282	<u>E05B 65 /-</u>	<u>F04B 53 /-</u>	<u>F24C 15 /-</u>
2019374529	2017401534	<u>E03F 3 /-</u>	2019290032 2020216500 2021204207	2019308251	
<u>C12N 15 /-</u>	2021280402				

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2020206080	<u>G01K 7 /-</u>	<u>G01S 19 /-</u>	2020402039	2022203643	<u>G07B 11 /-</u>
<u>F24S 10 /-</u>	2018223205	2021328131	2020417159		
2020366585	<u>G01L 1 /-</u>	<u>G01S 5 /-</u>	2022203643	<u>G06N 3 /-</u>	2020405493
<u>F25C 1 /-</u>	2020388742	2017203875	2023201603	2020289549	<u>G07C 5 /-</u>
2019444370	<u>G01M 11 /-</u>	2022200803		2021271230	2017281530
2021200280	2018237312	2020252576	<u>G06F 17 /-</u>	2022203643	
<u>F25C 5 /-</u>	<u>G01M 3 /-</u>	<u>G02B 21 /-</u>	2020252576		
2019444370	2019362683	2020207942	<u>G06F 18 /-</u>	<u>G06N 5 /-</u>	<u>G07C 9 /-</u>
<u>F25D 11 /-</u>	<u>G01N 1 /-</u>	2020207942	2023202133	2021318113	2017281530
2020335813	2019362683	<u>G02B 27 /-</u>	<u>G06F 21 /-</u>	<u>G06N 99 /-</u>	<u>G07F 17 /-</u>
2020341814	2019362683	2018239264	2018451721	2021225173	2018219578
2020373770	<u>G01N 1 /-</u>	2022202969	2019317924	<u>G06Q 10 /-</u>	<u>G07G 1 /-</u>
<u>F25D 17 /-</u>	<u>G01N 15 /-</u>	<u>G02B 6 /-</u>	2019403265	2017281539	2020391392
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<u>F25D 21 /-</u>	<u>G01N 21 /-</u>	2017423262	2020402039	2019396397	2020391392
2020373770	2017223057	2019245435	2021203598	2019422590	
<u>F25D 23 /-</u>	2020224331	<u>G02C 11 /-</u>	<u>G06F 3 /-</u>	2020210967	<u>G08B 13 /-</u>
2020336766	2021203297	2021245170	2019242751	2021218036	
2020338794	2021269389	<u>G02C 7 /-</u>	2019253089	<u>G06Q 20 /-</u>	2020391392
2020346171	<u>G01N 23 /-</u>	2018237312	2019457052	2020271840	<u>G08B 21 /-</u>
2020373770	2017365237	2021245170	2021218036	<u>G06Q 30 /-</u>	2020464165
2021200280	2020289549	<u>G02F 1 /-</u>	2022201622	2018214814	<u>G08G 3 /-</u>
2021203213	<u>G01N 27 /-</u>	2021245170	2022203953	2019242751	2021328131
2021204008	2018263292	<u>G03B 17 /-</u>	<u>G06F 30 /-</u>	<u>G06Q 40 /-</u>	<u>G09B 23 /-</u>
2021204974	<u>G01N 33 /-</u>	2018255941	2020400213	2020271840	2019253089
<u>F25J 1 /-</u>	2016329919	<u>G03G 21 /-</u>	<u>G06F 40 /-</u>	<u>G06Q 50 /-</u>	<u>G09B 9 /-</u>
2018254411	2016378737	2021203408	2019457052	2020210967	2019253089
2021236453	2017217248	<u>G05D 1 /-</u>	2022203643	2020285759	
<u>F25J 3 /-</u>	2017223057	2017277800	<u>G06F 9 /-</u>	2020379335	<u>G10D 1 /-</u>
2018254411	2017286604	2017281530	2021277733	2020396167	2021232217
<u>F27B 3 /-</u>	2017365237	2018341394	<u>G06K 15 /-</u>	2021212135	
2020376125	2020201048	2021290227	2018451721	2021218036	<u>G10D 3 /-</u>
<u>G01B 11 /-</u>	2020207942	2022200803	<u>G06K 17 /-</u>	<u>G06T 1 /-</u>	2021232217
2018239264	2020256312	<u>G05D 16 /-</u>	2020405493	2021290427	<u>G10L 13 /-</u>
<u>G01B 7 /-</u>	2020289549	2020356369	2022202037	<u>G06T 17 /-</u>	<u>G10L 15 /-</u>
2018200926	2021201293	<u>G05G 1 /-</u>	<u>G06K 19 /-</u>	2020256662	2020210967
2020388742	2021212084	2020356369	2020393015	2020397825	<u>G10L 15 /-</u>
2021225186	2023202348	<u>G06F 11 /-</u>	2021204788	<u>G06T 5 /-</u>	2020210967
<u>G01D 3 /-</u>	<u>G01P 15 /-</u>	2017424920	<u>G06K 7 /-</u>	2021229220	<u>G11B 27 /-</u>
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<u>G01K 13 /-</u>	<u>G01R 31 /-</u>	2017427586	2020405493	<u>G06V 10 /-</u>	2019460184
2018223205	2019422268	<u>G06F 111 /-</u>	<u>G06M 3 /-</u>	2020289549	<u>G16H 10 /-</u>
	2021202725	2020400213	2020405493	2022202817	<u>G16H 50 /-</u>
	<u>G01S 13 /-</u>	<u>G06F 13 /-</u>	<u>G06N 20 /-</u>	<u>G06V 20 /-</u>	
	2022200803	2018451721	2019403265	2021245157	
		<u>G06F 16 /-</u>	2021318113		

Applications Accepted - IPC Index cont'd

<u>G16H 80 /-</u>	<u>H02G 1 /-</u>	<u>H02S 40 /-</u>	<u>H04N 7 /-</u>	<u>H05B 3 /-</u>
2019460184	2021232676	2020349748 2020366585	2018312581	2018247749 2020206080
<u>G21F 5 /-</u>	<u>H02G 15 /-</u>	<u>H04B 1 /-</u>	<u>H04Q 9 /-</u>	<u>H05B 6 /-</u>
2022224850	2017416031	2022204533	2021258094	2018235948 2020206080
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2022224850	2019282460 2020402903	2021258080 2021328131	2021204974	2020376125
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2019282460	2018341394	2019220741 2020221993 2020378394	2020270237	
<u>H01B 9 /-</u>	<u>H02J 7 /-</u>	<u>H04L 12 /-</u>	<u>H04W 16 /-</u>	
2019282460	2018240904	2018374839	2020212757	
<u>H01F 5 /-</u>	<u>H02J 9 /-</u>	<u>H04L 25 /-</u>	<u>H04W 28 /-</u>	
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<u>H01H 13 /-</u>	<u>H02K 1 /-</u>	<u>H04L 27 /-</u>	<u>H04W 36 /-</u>	
2017424920	2017424910 2019390482	2021204772	2021207189	
<u>H01H 71 /-</u>	<u>H02K 15 /-</u>	<u>H04L 41 /-</u>	<u>H04W 4 /-</u>	
2020384177	2020415851	2018303662	2019242751 2020322086 2022203337	
<u>H01L 27 /-</u>	<u>H02K 16 /-</u>	<u>H04L 43 /-</u>	<u>H04W 52 /-</u>	
2021269389	2017424910	2018303662	2020329417	
<u>H01L 31 /-</u>	<u>H02K 21 /-</u>	<u>H04L 5 /-</u>	<u>H04W 56 /-</u>	
2021266258 2022202235	2017424910	2019220741 2019266295 2021204772	2020334705	
<u>H01M 10 /-</u>	<u>H02K 3 /-</u>	<u>H04L 65 /-</u>	<u>H04W 72 /-</u>	
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<u>H01M 8 /-</u>	<u>H02K 9 /-</u>	<u>H04N 19 /-</u>	<u>H04W 84 /-</u>	
2019271388	2017424910	2020335790	2022203337	
<u>H01Q 1 /-</u>	<u>H02M 1 /-</u>	<u>H04N 21 /-</u>	<u>H04W 88 /-</u>	
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<u>H01R 13 /-</u>	<u>H02S 20 /-</u>	<u>H04N 5 /-</u>	<u>H05B 11 /-</u>	
2019245435	2020349748	2023202133	2020206080	
<u>H01R 9 /-</u>				
2018240904 2021203984				

Certified Innovation Patents**Name Index**

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

-
- (71) DIT AgTech Limited
(11) AU-B-2021105299
(21) 2021105299 (22) 11.08.2021
(54) A method of reducing methane production in a ruminant animal
(51) Int. Cl.
A23K 50/10 (2016.01)
A23K 20/10 (2016.01)
A23K 20/105 (2016.01)
A23K 20/20 (2016.01)
A23K 20/22 (2016.01)
A23K 20/24 (2016.01)
C12N 9/10 (2006.01)
(31) 2021901206 (32) 23.04.21 (33) AU
2021902155 14.07.21 AU
(45) 18.05.2023
(72) Peart, Mark Rawlinson; Feez, Thomas
Robinson
(74) Spruson & Ferguson

Numerical Index

2021105299 DIT AgTech Limited

IPC Index

A23K 20 /-

2021105299

A23K 50 /-

2021105299

C12N 9 /-

2021105299

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

2016430503 **Sandvik Intellectual Property AB (CQMS PTY LTD)**

Patents Granted

Standard Patents

2016202423	2016204724	2016302575	2016343937
2016353320	2016361646	2016371385	2016396661
2016406757	2016412932	2016419981	2016425935
2016425949	2016428798	2016433836	2016434454
2017203733	2017204156	2017208719	2017217688
2017220391	2017231106	2017232199	2017232516
2017234163	2017234387	2017238455	2017243872
2017251709	2017254264	2017257449	2017258602
2017261850	2017266443	2017268298	2017272341
2017273415	2017277405	2017278050	2017278080
2017278103	2017279477	2017281588	2017288698
2017289294	2017293759	2017295964	2017299759
2017333287	2017333939	2017334129	2017335130
2017335637	2017336305	2017338287	2017339186
2017341098	2017345162	2017346962	2017346972
2017348921	2017350625	2017353360	2017353727
2017357456	2017357597	2017360887	2017367682
2017373715	2017378731	2017382943	2017382998
2017397431	2017400543	2017409112	2017416526
2017416737	2017419936	2017427019	2018202202
2018202753	2018206195	2018212384	2018212998
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2018230108	2018241039	2018243309	2018247062
2018254455	2018257609	2018257956	2018258016
2018262114	2018262360	2018264563	2018267703
2018271145	2018272933	2018276577	2018280337
2018285143	2018285692	2018289297	2018293929
2018304176	2018305609	2018308581	2018310427
2018312516	2018330723	2018331404	2018333735
2018337040	2018337795	2018340475	2018345168
2018349451	2018355656	2018359421	2018361705
2018367796	2018372665	2018374219	2018374406
2018384822	2018386104	2018401458	2018405470
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2018448123	2018449575	2018450480	2018453188
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2019426678	2019428071	2019428183	2019428305
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2020209726	2020212661	2020213389	2020213574
2020213696	2020219695	2020220127	2020220897
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2020257033	2020257902	2020258282	2020260561
2020261288	2020261742	2020263826	2020264112
2020265402	2020266145	2020267016	2020267309
2020274313	2020277162	2020279629	2020284606
2020286248	2020289213	2020289776	2020292256

Patents Granted

Standard Patents

2020303560	2020307342	2020311423	2020311435
2020316661	2020316823	2020317953	2020325457
2020334109	2020341256	2020344470	2020345571
2020348846	2020351200	2020357189	2020361670
2020371551	2020373975	2020381947	2020387113
2020397803	2020398125	2020398547	2020399038
2020425314	2021200034	2021200099	2021200191
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2021200695	2021200797	2021201082	2021201085
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2021202157	2021202434	2021202458	2021202638
2021202782	2021202873	2021203215	2021203251
2021203252	2021203444	2021203644	2021203694
2021203768	2021203848	2021204312	2021204835
2021204971	2021205099	2021206845	2021209188
2021209203	2021209619	2021216560	2021218097
2021218155	2021221817	2021221922	2021239744
2021239795	2021240119	2021250995	2021251658
2021251717	2021256968	2021257917	2021258058
2021261875	2021263240	2021266203	2021275061
2021277682	2021282493	2021282502	2021282551
2021282558	2021334933	2022200069	2022201049
2022203864	2022204102	2022205158	2022223401
2022275407			

Revocation

It is hereby notified that the offer by the Patentee **Coretherapix SLU** to surrender Patent 2014229176 which was advertised in the Official Journal of 30.03.2023 has been accepted and the Patent has been revoked in accordance with Section 137 of the Patents Act.

Assignments Registered

2004203273	thyssenkrupp Industrial Solutions AG	The patent has been assigned to FLSmidth A/S
2006287207	Novozymes North America, Inc.	The patent has been assigned to EnviroZyme LLC
2007292295	PhaseBio Pharmaceuticals, Inc.	The patent has been assigned to ImmunoForge Co., Ltd.
2009316874	AcelRx Pharmaceuticals, Inc.	The patent has been assigned to Vertical Pharmaceuticals, LLC
2009317170	Boehringer Ingelheim International GmbH	The patent has been assigned to InxMed (Hong Kong) Limited
2010265749	Dreco Energy Services ULC	The patent has been assigned to NOV Canada ULC
2010328690	Glass Investments Projects, Inc.	The patent has been assigned to Houweling Intellectual Properties, Inc.
2011282892	Genomic Health, Inc.	The patent has been assigned to MDxHealth SA
2011289648	Buchsbaum, Norbert	The patent has been assigned to Cryodesalination, LLC
2011354245	thyssenkrupp Industrial Solutions AG	The patent has been assigned to FLSmidth A/S
2012200998	AKSHAYA BIO INC.	The patent has been assigned to Kaimi Biomedicine (Chengdu) Co., Ltd.
2012269742	Austech and Design Pty Ltd	The patent has been assigned to RIHA Industries Pty Ltd

Assignments Registered

2012285775 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2012314650 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2012318282 Austech and Design Pty Ltd The patent has been assigned to **RIHA Industries Pty Ltd**

2013214301 ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2013224720 PhaseBio Pharmaceuticals, Inc. The patent has been assigned to **ImmunoForge Co., Ltd.**

2013269844 ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2013320199 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2013336773 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2013339535 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2013339553 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2013339604 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2013339611 ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2014200776 INTAKS NZ Limited The patent has been assigned to **INTAKS IP LIMITED**

2014211453 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2014213537 Glass Investments Projects, Inc. The patent has been assigned to **Houweling Intellectual Properties, Inc.**

2014219519 Stranda Prolog AS The patent has been assigned to **Hoseth Holding AS**

2014230973 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2014257639 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2014270565 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2014277275 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2014301397 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2014331405 thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2014365743 ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2015201029 Dreco Energy Services ULC The patent has been assigned to **NOV Canada ULC**

Assignments Registered

2015227398 Genomic Health, Inc. The patent has been assigned to **MDxHealth SA**

2015255752 Phasebio Pharmaceuticals, Inc. The patent has been assigned to **IMMUNOFORGE CO., LTD.**

2015369710 AcelRx Pharmaceuticals, Inc. The patent has been assigned to **Vertical Pharmaceuticals, LLC**

2016219513 Phasebio Pharmaceuticals, Inc. The patent has been assigned to **IMMUNOFORGE CO., LTD.**

2016227483 Elogab, Osama The patent has been assigned to **OGAB Limited**

2016294855 Eberhard Karls Universitaet Tuebingen Medizinische Fakultae The patent has been assigned to **Prime Vector Technologies GmbH**

2016323992 Metacrine, Inc. The patent has been assigned to **Organovo, Inc.**

2016325663 Professional Dietetics International S.r.l The patent has been assigned to **PROFESSIONAL DIETETICS S.p.A.**

2016353229 MicroOptx Inc. The patent has been assigned to **Innomedex LLC**

2017265250 Swedish Neutral AB The patent has been assigned to **Winter Brothers AB**

2017268510 Genomic Health, Inc. The patent has been assigned to **MDxHealth SA**

2017332524 Webser, Gary; Keron, Neil The patent has been assigned to **Keron, Neil; GLIC LTD**

2017405304 Victoria Link Limited; Turnbull, Jeremy The patent has been assigned to **Victoria Link Limited**

2018236275 Metacrine, Inc. The patent has been assigned to **Organovo, Inc.**

2018273485 Swedish Neutral AB The patent has been assigned to **Winter Brothers AB**

2018273752 DEDRONE HOLDINGS, INC. The patent has been assigned to **Battelle Memorial Institute**

2018349342 Joby Elevate, Inc. The patent has been assigned to **Joby Aero, Inc.**

2019200090 Glass Investments Projects, Inc. The patent has been assigned to **Houweling Intellectual Properties, Inc.**

2019252943 Corbett III, Scott; Steinberg, Stephen The patent has been assigned to **ENDOSOUND, INC**

2019284109 Central South University The patent has been assigned to **HUNAN HI-TECH CUWAY MATERIALS CO., LTD.**

2020201779 Genomic Health, Inc. The patent has been assigned to **MDxHealth SA**

2020202261 ELOGAB, Osama The patent has been assigned to **OGAB Limited**

2020202262 ELOGAB, Osama The patent has been assigned to **OGAB Limited**

2020202263 ELOGAB, Osama The patent has been assigned to **OGAB Limited**

Assignments Registered

2020202264 ELOGAB, Osama The patent has been assigned to **OGAB Limited**

2020327704 Collibra NV The patent has been assigned to **Collibra Belgium BV**

Licences Registered - Section 187, Reg. 19

(The name in the parentheses is that of the licensee)

2003206738 Novartis AG (Novartis Pharmaceuticals Australia Pty Limited)

2006311481 Novartis AG (Novartis Pharmaceuticals Australia Pty Limited)

2008324878 Novartis AG (Novartis Pharmaceuticals Australia Pty Limited)

2013304949 Novartis AG (Novartis Pharmaceuticals Australia Pty Limited)

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Accepted

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2007317817 **Cara Therapeutics, Inc.**

The earliest first regulatory approval date provided by the patentee 10 Nov 2022

For the goods KORSUVA difelikefalin (as acetate)

Address for service : Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

Extensions granted

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

2009246926 **Celgene Corporation**

The earliest first regulatory approval date provided by the patentee 08 Apr 2022

For the goods ONUREG azacitidine

Extension of Term of patent pursuant to Section 77 expires on 14 May 2034

2011205290 **Recordati AG**

The earliest first regulatory approval date provided by the patentee 12 May 2022

For the goods ISTURISA osilodrostat

Extension of Term of patent pursuant to Section 77 expires on 13 Jan 2036

Corrigenda

In Vol 36 , No 25 , Page(s) 3509 under the heading **Amendments - Amendments Made** Under the name Julianne Mary Cripps Clark, Application No. 2021218217, under INID (31) remove divisional 2022203235

Corrigenda

In Vol 36 , No 25 , Page(s) 3509 under the heading **Amendments - Amendments Made** Under the name Julianne Cripps Clark, Application No. 2021232845, under INID (31) remove divisional 2022203235

In Vol 36 , No 25 , Page(s) 3509 under the heading **Amendments - Amendments Made** Under the name Julianne Cripps Clark, Application No. 2021236587, under INID (31) remove divisional 2022203235

In Vol 36 , No 25 , Page(s) 3509 under the heading **Amendments - Amendments Made** Under the name Julianne Cripps Clark, Application No. 2021252607, under INID (31) remove divisional 2022203235

In Vol 36 , No 25 , Page(s) 3509 under the heading **Amendments - Amendments Made** Under the name Julianne Cripps Clark, Application No. 2021261831, under INID (31) remove divisional 2022203235

In Vol 36 , No 25 , Page(s) 3509 under the heading **Amendments - Amendments Made** Under the name Julianne Cripps Clark, Application No. 2021286396, under INID (31) remove divisional 2022203235

In Vol 57 , No 17 , Page(s) 2383 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2021** Delete all reference to application number 2021353923

In Vol 57 , No 18 , Page(s) 2520 under the heading **Amendments - Application for Amendments** Under the name What3words Limited, Application No. 2014255510 correct the date of the statements filed to read 09 September 2022 and 19 January 2023

In Vol 57 , No 18 , Page(s) 2629 under the heading **Assignments Registered** Under the name TLBORIK PATENT HOLDER PTY LTD, Innovation Patent No. 2021103539 under INID (71) correct the patentee name to TLOBRIK PATENT HOLDER PTY LTD

Specifications Republished

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

2012326370	Celator Pharmaceuticals, Inc.
2017274517	Baker Hughes Oilfield Operations, LLC
2018293589	BHE Turbomachinery, LLC
2019352068	Curadis GmbH
2022211878	Shihezi University
2022231719	The Chinese University of Hong Kong