



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) 13 July 2023

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Hunter Valley Signs Pty. Limited v Bartco Traffic Equipment Pty Ltd [2023] APO 37

Patent Application: 2016210770

Title: METHOD AND APPARATUS FOR INDICATING CONDITIONS

Patent Applicant: Bartco Traffic Equipment Pty Ltd

Opponent: Hunter Valley Signs Pty. Limited

Delegate: Xavier Gisz

Decision Date: 23 June 2023

Hearing Date: 30 March 2023, in Video Conference

Catchwords: **PATENTS** - opposition under section 104 – allowability under subsections 102(2)(a) and 102(2)(b) considered – amendments do not comply with 102(2)(a) – opposition succeeds – costs awarded against the applicant

Representation: Counsel for the applicant: James Samargis
Patent attorney for the applicant: Matt Pini
Patent attorney for the opponent: Andrew Caska

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 13 July 2023

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

CCL Secure Pty Ltd v De La Rue International Limited [2023] APO 39

Patent Application: 2014266991

Title: Security documents and methods of manufacture

Patent Applicant: De La Rue International Limited

Opponent: CCL Secure Pty Ltd

Delegate: Xavier Gisz

Decision Date: 28 June 2023

Hearing Date: 28 March 2023, in Video Conference

Catchwords: **PATENTS** - section 59 – final determination – the amendment does not overcome the grounds of opposition of inventive step – further opportunity provided to amend – costs awarded

Representation: Counsel for the applicant: Frances St John
Patent attorney for the opponent: Ian Lindsay of Allens Patent & Trade Mark Attorneys

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 13 July 2023

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Nufarm Australia Limited v Corteva Agriscience LLC [2023] APO 40

Patent Application: 2019253885

Title: Compounds derived from herbicidal carboxylic acids and tetraalkylammonium or (arylalkyl) trialkylammonium hydroxides

Patent Applicant: Corteva Agriscience LLC

Opponent: Nufarm Australia Limited

Delegate: Felix White

Decision Date: 30 June 2023

Hearing Date: 9 February 2023, by videoconference

Catchwords: **PATENTS** – herbicidal compositions for reducing vapour drift – opposition under s59 – estoppel – resolution of ambiguity of the term “choline” – claims 1, 2, 5, 8, 9, 10 and 11 lack novelty and inventive step – costs awarded – submissions sought on appropriateness of providing applicant with opportunity to amend

Representation: Counsel for the applicant: Craig Smith SC
Patent attorneys for the applicants: Dr Karen Bentley and Dr Julie Murison of FPA Patent Attorneys

Counsel for the opponent: Benjamin Fitzpatrick
Patent attorneys for the opponent: Virginia Beniac-Brooks and Ruth Clarkson of Arcadia Intellectual Property

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 27 Jun 2023 .

(71) Adverto Pty Ltd (21) 2023902018 (22) 27.06.2023 (54) INTERACTIVE DIGITAL DISPLAY SYSTEMS AND METHODS FOR OUT-DOOR ADVERTISING	(71) BLUEGREEN POWER TECHNOLOGIES PTY. LTD. (21) 2023902016 (22) 27.06.2023 (54) A HYDRAULIC DRIVEN DRIVE SHAFT ARRANGEMENT	(71) Custom Golf International Pty Ltd (21) 2023902020 (22) 27.06.2023 (54) GOLF TEE
(71) Agriculture Victoria Services Pty Ltd; Dairy Australia Limited (21) 2023902051 (22) 28.06.2023 (54) METHODS FOR CONTROLLING SELF-INCOMPATIBILITY IN PLANTS	(71) Burhoven-Jaspers, N. (21) 2023902056 (22) 28.06.2023 (54) Generator Assembly	Dairy Australia Limited see Agriculture Victoria Services Pty Ltd (21) 2023902051
(71) ASSA ABLOY Australia Pty Limited (21) 2023902023 (22) 27.06.2023 (54) IMPROVED LOCK ASSEMBLY HAVING HUB DETECTION	(71) Circular Solar Solutions Pty Ltd (21) 2023902024 (22) 27.06.2023 (54) METHOD AND APPARATUS FOR REMOVING FRAMES FROM SOLAR PANELS	(71) Elanco Australasia Pty Ltd (21) 2023902058 (22) 29.06.2023 (54) FORMULATION, PROCESS FOR PRODUCING A FORMULATION, AND USES OF THE FORMULATION
(71) Auckland UniServices Limited (21) 2023902064 (22) 29.06.2023 (54) Cellular reprogramming	(71) Clarity Pharmaceuticals Ltd (21) 2023902019 (22) 27.06.2023 (54) Injectable composition for delivery of a biologically active agent	(71) Fiber Sense Limited (21) 2023902021 (22) 27.06.2023 (54) Method and/or system for reducing number of redundant cable paths in a network
(71) Austral Oceanic Services Pty Ltd (21) 2023902032 (22) 28.06.2023 (54) Methodology to improve the efficiency of combustion of a fuel and to reduce the toxic emissions from that combustion using water	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2023902027 (22) 27.06.2023 (54) Fatty Acid Synthesis	(71) GeneSeq Pty Ltd (21) 2023902041 (22) 28.06.2023 (54) Method of diagnosis and treatment of ovarian cancer
(71) Autono Drone IP Pty Ltd (21) 2023902040 (22) 28.06.2023 (54) System for Loading and Balancing Cargo Drone	(71) Craft Brewing Solutions Pty Ltd (21) 2023902036 (22) 28.06.2023 (54) AN ACOUSTIC TREATMENT METHOD AND DEVICE	(71) Glasson, N. (21) 2023902118 (22) 30.06.2023 (54) HEATING SYSTEM FOR A CRYOGENIC STORAGE VESSEL
(71) BAYER, M. (21) 2023902035 (22) 28.06.2023 (54) Adjustable Armrest	(71) Creanova Universal Closures Limited (21) 2023902045 (22) 28.06.2023 (54) Closure for a container having a neck	(71) Gomez, R. (21) 2023902039 (22) 28.06.2023 (54) Production of special Green steel from Iron Ores
	(71) Creanova Universal Closures Limited (21) 2023902048 (22) 28.06.2023 (54) Closure for a container having a neck	(71) Greenzone Pest Innovations Pty Ltd (21) 2023902050 (22) 28.06.2023 (54) Termite Perimeter System
	(71) Creanova Universal Closures Limited (21) 2023902049 (22) 28.06.2023 (54) Closure for a container having a neck	

Provisional Applications Filed - Name Index cont'd

Harry Perkins Institute of Medical Research Inc. see The University of Western Australia
(21) 2023902022

(71) Johnson Screens, Inc.
(21) 2023902042 **(22)** 28.06.2023
(54) Fish and debris exclusion screen assembly

(71) KC8 CAPTURE TECHNOLOGIES LTD
(21) 2023901980 **(22)** 23.06.2023
(54) A VESSEL

(71) KINALTEK PTY. LTD.
(21) 2023901993 **(22)** 23.06.2023
(54) Carbon-based composites and method of production thereof

(71) Macquarie University
(21) 2023902044 **(22)** 28.06.2023
(54) Payload carrying system and method

(71) Maisha Innovations Pty Ltd
(21) 2023902055 **(22)** 28.06.2023
(54) Soil Improvement Composition

(71) Mapika, E.
(21) 2023902030 **(22)** 27.06.2023
(54) Generating power using buoyancy force

(71) McMurrich, D.
(21) 2023902015 **(22)** 27.06.2023
(54) Treatment of C4 photosynthesising plants

(71) MINETOMETAL PTY LTD
(21) 2023902033 **(22)** 28.06.2023
(54) Recovering Metal Values from Arsenic Containing Copper Materials

(71) MOKE, C.
(21) 2023901985 **(22)** 23.06.2023
(54) Scrapp is an innovative mobile app that revolutionizes the way scrap metal collection and recycling is managed. It connects scrap metal sellers with nearby scrap yards and drivers through location-based services, ensuring efficient and cost-effective logistics. With real-time communication, digital payments, and streamlined documentation, Scrapp simplifies the entire process, making it convenient and secure for users. By harnessing the power of technology, Scrapp empowers individuals and businesses to participate in sustainable practices while optimizing their scrap metal transactions.

(71) Nova Eye, Inc.
(21) 2023902026 **(22)** 27.06.2023
(54) Braid-reinforced Microcatheter

(71) palomo, m.
(21) 2023902029 **(22)** 27.06.2023
(54) an app for connecting people who need soil removed to those who need it

(71) Perron Institute for Neurological and Translational Science Limited
(21) 2023902017 **(22)** 27.06.2023
(54) Antisense oligomer treatment for bone loss

(71) Potas, J.
(21) 2023901967 **(22)** 21.06.2023
(54) Peripheral sensors for decoding intended thoughts

(71) Prowse Holdings Pty Ltd
(21) 2023902037 **(22)** 28.06.2023
(54) Wheel Component Handling Device

(71) Psylo Pty Ltd
(21) 2023902053 **(22)** 28.06.2023
(54) Compounds

(71) Psylo Pty Ltd
(21) 2023902054 **(22)** 28.06.2023
(54) Compounds

ResMed Asia Pte. Ltd. see ResMed Pty Ltd
(21) 2023902052

(71) ResMed Pty Ltd
(21) 2023902043 **(22)** 28.06.2023
(54) SYSTEMS AND METHODS FOR AIDING A USER IN BREATHING USING IMPLANTABLE DEVICES

(71) ResMed Pty Ltd; ResMed Sensor Technologies Limited
(21) 2023902047 **(22)** 28.06.2023
(54) PATIENT TRACKER

(71) ResMed Pty Ltd; ResMed Asia Pte. Ltd.
(21) 2023902052 **(22)** 28.06.2023
(54) STIMULATION DEVICE

ResMed Sensor Technologies Limited see ResMed Pty Ltd
(21) 2023902047

(71) Semcom Visual Communication Pty Ltd
(21) 2023902034 **(22)** 28.06.2023
(54) A reusable plastic display stand

(71) Team Work Fencing Contractors
(21) 2023902028 **(22)** 27.06.2023
(54) Retaining wall system

Telethon Kids Institute see The University of Western Australia
(21) 2023902022

(71) The University of Sydney
(21) 2023902031 **(22)** 28.06.2023
(54) Blood pressure monitoring device, system and method

(71) The University of Western Australia; Harry Perkins Institute of Medical Research Inc.; Telethon Kids Institute
(21) 2023902022 **(22)** 27.06.2023
(54) Stabilising Buffer for Lamp

(71) Thomas James Baldacchino
(21) 2023902025 **(22)** 27.06.2023
(54) A METHOD OF FORMING A NANOCOMPOSITE MATERIAL BY GRINDING

(71) TREATA ENVIRONMENTAL PTY LTD
(21) 2023902057 **(22)** 28.06.2023
(54) METHOD, APPARATUS AND SYSTEM FOR REMOVAL OF PFAS FROM AN AQUEOUS SOURCE AND PRODUCTION OF CONCENTRATED PFAS PRODUCT

(71) University of Cape Town
(21) 2023902059 **(22)** 29.06.2023
(54) METHOD AND COMPOUNDS FOR TREATING KELOIDS

(71) Upton, J.
(21) 2023902038 **(22)** 28.06.2023
(54) A ratchet head assembly

(71) Xero Limited
(21) 2023902046 **(22)** 28.06.2023
(54) Methods and systems for determining sets of second attributes associated with respective first attributes

(71) Y4PS Biotechnology Pty Ltd
(21) 2023901998 **(22)** 24.06.2023
(54) Support

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2023901980	KC8 CAPTURE TECHNOLOGIES LTD
2023901985	MOKE, C.
2023901993	KINALTEK PTY. LTD.
2023901998	Y4PS Biotechnology Pty Ltd
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2023902020	Custom Golf International Pty Ltd
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2023902049	Creanova Universal Closures Limited
2023902050	Greenzone Pest Innovations Pty Ltd
2023902051	Agriculture Victoria Services Pty Ltd; Dairy Australia Limited
2023902052	ResMed Pty Ltd; ResMed Asia Pte. Ltd.
2023902053	Psylo Pty Ltd
2023902054	Psylo Pty Ltd
2023902055	Maisha Innovations Pty Ltd
2023902056	Burhoven-Jaspers, N.
2023902057	TREATA ENVIRONMENTAL PTY LTD
2023902058	Elanco Australasia Pty Ltd
2023902059	University of Cape Town
2023902064	Auckland UniServices Limited
2023902118	Glasson, N.

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Applications listed below were processed through the Patent Office Canberra during the period ending 27 Jun 2023 .

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

<hr/> <p>(71) Abbott Laboratories (21) 2023204113 (22) 28.06.2023 (54) Devices and methods for sample analysis (62) 2021209235</p> <hr/> <p>(71) ACE VISION GROUP, INC. (21) 2023203989 (22) 23.06.2023 (54) SYSTEMS AND METHODS FOR AFFECTING THE BIOMECHANICAL PROPERTIES OF CONNECTIVE TISSUE (62) 2021205095</p> <hr/> <p>(71) Acres Technology (21) 2023204073 (22) 26.06.2023 (54) Electronic Wagering (62) 2021203054</p> <hr/> <p>(71) Afiniti, Ltd. (21) 2023204093 (22) 27.06.2023 (54) TECHNIQUES FOR BENCHMARKING PAIRING STRATEGIES IN A CONTACT CENTER SYSTEM (62) 2021201092</p> <hr/> <p>(71) Agriculture Victoria Services Pty Ltd (21) 2023203986 (22) 23.06.2023 (54) Taxonomic Identification and/or Profiling (31) 2022901754 (32) 24.06.22 (33) AU 2022902440 25.08.22 AU</p> <hr/> <p>(71) Agru America, Inc. (21) 2023204081 (22) 27.06.2023 (54) Knurled calender roll, method and apparatus for forming the knurled calender roll and geomembrane produced by the knurled calender roll (31) 17/850,872 (32) 27.06.22 (33) US</p> <hr/> <p>(71) Alpha Tau Medical Ltd. (21) 2023203994 (22) 23.06.2023 (54) Wet preparation of radiotherapy sources (62) 2020362983</p> <hr/> <p>(71) Alpha Tau Medical Ltd. (21) 2023203996 (22) 23.06.2023 (54) Wet preparation of radiotherapy sources (62) 2020362983</p>	<hr/> <p>(71) Alpha Tau Medical Ltd. (21) 2023203997 (22) 23.06.2023 (54) Wet preparation of radiotherapy sources (62) 2020362983</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023204058 (22) 26.06.2023 (54) System for managing gaming token money (62) 2019335834</p> <hr/> <p>(71) Anker Innovations Technology Co., Ltd. (21) 2023204111 (22) 28.06.2023 (54) Ground cleaning device (31) 202210763710.4 (32) 30.06.22 (33) CN 202221665009.0 30.06.22 CN</p> <hr/> <p>(71) Ansell Limited (21) 2023203987 (22) 23.06.2023 (54) Highly chemical resistant glove (62) 2021203390</p> <hr/> <p>(71) Anteris Technologies Corporation (21) 2023204151 (22) 29.06.2023 (54) REPLACEMENT HEART VALVE ASSEMBLY WITH A VALVE LOADED DISTALLY FROM A STENT (62) 2019269741</p> <hr/> <p>(71) Apple Inc. (21) 2023204133 (22) 29.06.2023 (54) Application integration with a digital assistant (62) 2021290340</p> <hr/> <p>(71) Ares Trading S.A. (21) 2023204140 (22) 29.06.2023 (54) Method for determining cell clonality (62) 2016363746</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023204107 (22) 27.06.2023 (54) SYSTEMS AND METHODS FOR EXPEDITED OUTPUTS IN ELECTRONIC GAMING (31) 18/214,179 (32) 26.06.23 (33) US 63/356,444 28.06.22 US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023204166 (22) 29.06.2023</p>	<hr/> <p>(54) SYMBOL-DRIVEN INCREMENTATION OF PROGRESSIVE FEATURE PRIZES ACROSS MULTIPLE GAMES IN A MULTI-GAME PACKAGE (31) 17/861,598 (32) 11.07.22 (33) US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023204167 (22) 29.06.2023 (54) MEMORY-EFFICIENT SYMBOL CREDIT VALUE GENERATION SYSTEM (31) 17/811,267 (32) 07.07.22 (33) US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023204168 (22) 29.06.2023 (54) GRAPHICAL USER INTERFACES FOR GAMES OF CHANCE WITH DYNAMIC FEATURE GAME TRIGGER SYMBOL MECHANIC (31) 17/815,545 (32) 27.07.22 (33) US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023204170 (22) 29.06.2023 (54) MULTI-PLAYER GAMING SYSTEM WITH SYNCHRONIZATION PERIODS AND ASSOCIATED SYNCHRONIZATION METHODS (31) 17/877,147 (32) 29.07.22 (33) US</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023204150 (22) 29.06.2023 (54) A GAMING MACHINE (62) 2021203314</p> <hr/> <p>(71) ARK HARDWARE PTY LTD (21) 2023204076 (22) 27.06.2023 (54) A PANEL SUPPORT STRUCTURE (31) 2022902961 (32) 10.10.22 (33) AU</p> <hr/> <p>(71) Auspex Pharmaceuticals, Inc. (21) 2023204103 (22) 27.06.2023 (54) Osmotic dosage forms comprising deutetribenazine and methods of use thereof (62) 2021288087</p> <hr/> <p>(71) Ausplow Pty. Ltd. (21) 2023204094 (22) 27.06.2023 (54) Seeding tool (31) 2022902126 (32) 28.07.22 (33) AU</p>
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(71) B.M.B Investments Pty Ltd
 (21) 2023204189 (22) 30.06.2023
 (54) A screw
 (31) 2022901916 (32) 08.07.22 (33) AU

(71) Beckman Coulter, Inc.
 (21) 2023203991 (22) 23.06.2023
 (54) Photoactive macromolecules and uses thereof
 (62) 2021212098

(71) Becton, Dickinson and Company
 (21) 2023204009 (22) 26.06.2023
 (54) Port interface for drug delivery device
 (62) 2021204460

BGC Partners, Inc. see CFPH, LLC
 (21) 2023204014

(71) Biogen Inc.
 (21) 2023204011 (22) 26.06.2023
 (54) Process for preparing alpha-carboxamide pyrrolidine derivatives
 (62) 2018346763

(71) BioMarin Technologies B.V.
 (21) 2023204080 (22) 27.06.2023
 (54) Pre-mRNA splice switching or modulating oligonucleotides comprising bicyclic scaffold moieties, with improved characteristics for the treatment of genetic disorders
 (62) 2017291960

(71) Bluedrop Medical Limited
 (21) 2023204075 (22) 27.06.2023
 (54) A skin inspection device for identifying abnormalities
 (31) 2209656.4 (32) 30.06.22 (33) GB

(71) BOESTEN, L.
 (21) 2023204085 (22) 27.06.2023
 (54) A BICYCLE HELMET
 (31) 2022903184 (32) 27.10.22 (33) AU

(71) BrightSeed, Inc.
 (21) 2023204067 (22) 26.06.2023
 (54) Method for modulating metabolism
 (62) 2019207737

(71) Britax Child Safety Inc
 (21) 2023204131 (22) 28.06.2023
 (54) CHILD SEAT WITH BELT TENSIONING MECHANISM FOR IMPROVED INSTALLATION
 (62) 2021203865

(71) Caiben Pty Ltd
 (21) 2023204074 (22) 26.06.2023
 (54) GAME APPARATUS AND METHOD FOR PLAYING A GAME

(71) Camfil Aktiebolag
 (21) 2023204104 (22) 27.06.2023
 (54) AN AIR FLOW GUIDING STRUCTURE AND AN AIR FILTER CARTRIDGE
 (31) 2250891-5 (32) 11.07.22 (33) SE

(71) Canva Pty Ltd
 (21) 2023204097 (22) 27.06.2023
 (54) Systems and methods for performing inpainting
 (31) 2023901771 (32) 05.06.23 (33) AU

(71) Capital One Services, LLC
 (21) 2023204154 (22) 29.06.2023
 (54) Delegated administration of permissions using a contactless card
 (62) 2020241413

(71) Catilina Nominees Pty Ltd
 (21) 2023204201 (22) 30.06.2023
 (54) COMPOSITION AND METHOD FOR PHARMACEUTICAL WASTE DISPOSAL

(71) CFPH, LLC; BGC Partners, Inc.
 (21) 2023204014 (22) 26.06.2023
 (54) SYSTEMS AND METHODS FOR PROVIDING ACCESS TO WIRELESS GAMING DEVICES
 (62) 2021202380

(71) CFPH, LLC
 (21) 2023204101 (22) 27.06.2023
 (54) MULTI-LEVEL GAMING COMPETITIONS
 (62) 2021202626

Clark, J. see Cripps Clark, J.
 (21) 2023204006

(71) CMR Surgical Limited
 (21) 2023204068 (22) 26.06.2023
 (54) Device interoperation
 (62) 2019354911

(71) ConMed Corporation
 (21) 2023204020 (22) 26.06.2023
 (54) ELECTROSURGICAL VESSEL SEALER HAVING OPPOSED SEALING SURFACES WITH VARYING GAP HEIGHT
 (62) 2020265231

Cripps Clark, J. see Cripps Clark, J.
 (21) 2023204006

Cripps Clark, J. see Cripps Clark, J.
 (21) 2023204006

Cripps Clark, J. see Cripps Clark, J.
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 (21) 2023204006

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 (21) 2023204006

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 (21) 2023204006

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 (21) 2023204006

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 (21) 2023204006

Cripps Clark, J. see Cripps Clark, J.
 (21) 2023204006

Cripps Clark, J. see Cripps Clark, J.
 (21) 2023204006

Cripps Clark, J. see Cripps Clark, J.
 (21) 2023204006

Cripps Clark, J. see Cripps Clark, J.
 (21) 2023204006

(71) Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.
 (21) 2023204006 (22) 23.06.2023
 (54) MeshMake – information infrastructure methods and devices that control access, veracity and privacy of diverse aggregations of live or archived data for flexible controlled analysis using data models including those linked and empowered through the DETPAT invention for block chain processing in distributed information system processing of any kind. Includes authority devices with methods for enabling collaborative selective actions and public participa-

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- tions in funding and selection of business case construction options.
(62) 2021202215, 2021218217, 2021232845, 2021236587, 2021261831, 2022201926, 2022202704, 2022205250, 2022209201, 2022209202, 2022228135, 2022259783, 2023201021, 2023201205, 2023202646
-
- (71)** Cue Health Inc.
(21) 2023204147 **(22)** 29.06.2023
(54) SYSTEMS AND METHODS FOR ENHANCED DETECTION AND QUANTIFICATION OF ANALYTES
(62) 2021257927
-
- (71)** Deere & Company
(21) 2023204136 **(22)** 29.06.2023
(54) Pneumatic conveyance leveling system
(31) 17/872,427 **(32)** 25.07.22 **(33)** US
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- (71)** Deere & Company
(21) 2023204141 **(22)** 29.06.2023
(54) Use of coverage areas in controlling agricultural machine operations
(31) 17/879,179 **(32)** 02.08.22 **(33)** US
-
- (71)** Deere & Company
(21) 2023204142 **(22)** 29.06.2023
(54) System and method for controlling soil compaction
(31) 17/879,193 **(32)** 02.08.22 **(33)** US
-
- (71)** Dixon, R.
(21) 2023203918 **(22)** 21.06.2023
(54) Plastic screw on connector enabling connection between a disposable plastic paint bladder bag to an automotive underbody texture spray gun
-
- (71)** Dolby International AB
(21) 2023204124 **(22)** 28.06.2023
(54) Audio Upmixer Operable in Prediction or Non-Prediction Mode
(62) 2022202192
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- (71)** Dolby Laboratories Licensing Corporation
(21) 2023204114 **(22)** 28.06.2023
(54) Device and method of improving the perceptual luminance nonlinearity-based image data exchange across different display capabilities
(62) 2022201261
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- (71)** Doood Pty Ltd
(21) 2023204087 **(22)** 27.06.2023
(54) ERASABLY WRITEABLE NOVELTY ITEM
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- (71)** East Carolina University
(21) 2023204082 **(22)** 27.06.2023
(54) Compounds, compositions, kits, and methods for activating immune cells and/or an immune system response
(62) 2018324070
-
- (71)** Easterseals Bay Area
(21) 2023204091 **(22)** 27.06.2023
(54) METHOD FOR MANAGING BEHAVIORAL TREATMENT THERAPY AND DEVICES THEREOF
(62) 2018322189
-
- (71)** Ecolab USA Inc.
(21) 2023204007 **(22)** 24.06.2023
(54) High alkaline solvent-based degreaser and cleaner with diutan gum as a primary thickening system
(62) 2020354640
-
- (71)** Eisai R&D Management Co., Ltd.
(21) 2023204118 **(22)** 28.06.2023
(54) Pladienolide derivatives as spliceosome targeting agents for treating cancer
(62) 2019252432
-
- (71)** Eli Lilly and Company
(21) 2023204008 **(22)** 25.06.2023
(54) Anti-alpha-synuclein antibodies and uses thereof
(62) 2019395325
-
- (71)** Emergent Biodefense Operations Lansing LLC
(21) 2023204117 **(22)** 28.06.2023
(54) Formulations of brincidofovir
(62) 2017290703
-
- (71)** Emergo Therapeutics, Inc.
(21) 2023204000 **(22)** 23.06.2023
(54) Mast cell stabilizers for treatment of hypercytokinemia and viral infection
(62) 2017325010
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- (71)** EXEL INDUSTRIES
(21) 2023203990 **(22)** 23.06.2023
(54) CONTAINER GRINDING SYSTEM CONTAINING OR HAVING CONTAINED A PLANT PROTECTION PRODUCT
(31) 2207355 **(32)** 18.07.22 **(33)** FR
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- (71)** Fisher & Paykel Healthcare Limited
(21) 2023204155 **(22)** 29.06.2023
(54) PATIENT INTERFACE AND HEADGEAR
(62) 2021200359
-
- (71)** Fortra, LLC
(21) 2023204169 **(22)** 29.06.2023
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- (54)** DATA COMMUNICATION WITH TRANSMISSION RATE ADJUSTMENT
(31) 17/944,402 **(32)** 14.09.22 **(33)** US
-
- (71)** Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2023204177 **(22)** 29.06.2023
(54) Video coding using a coded picture buffer
(31) 17/965,591 **(32)** 13.10.22 **(33)** US
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- (71)** Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2023204178 **(22)** 29.06.2023
(54) Video coding using a coded picture buffer
(31) 17/965,591 **(32)** 13.10.22 **(33)** US
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- (71)** Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2023204179 **(22)** 29.06.2023
(54) Video coding using a coded picture buffer
(31) 17/965,591 **(32)** 13.10.22 **(33)** US
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- (71)** Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2023204180 **(22)** 29.06.2023
(54) Video coding using a coded picture buffer
(31) 17/965,591 **(32)** 13.10.22 **(33)** US
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- (71)** Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2023204181 **(22)** 29.06.2023
(54) Video coding using a coded picture buffer
(31) 17/965,591 **(32)** 13.10.22 **(33)** US
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- (71)** Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2023204182 **(22)** 29.06.2023
(54) Video coding using a coded picture buffer
(31) 17/965,591 **(32)** 13.10.22 **(33)** US
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- (71)** Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2023204184 **(22)** 29.06.2023
(54) Video coding using a coded picture buffer
(31) 17/965,591 **(32)** 13.10.22 **(33)** US
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- (71)** Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2023204185 **(22)** 29.06.2023
(54) Video coding using a coded picture buffer
(31) 17/965,591 **(32)** 13.10.22 **(33)** US

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- (71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2023204186 (22) 29.06.2023
(54) Video coding using a coded picture buffer
(31) 17/965,591 (32) 13.10.22 (33) US
-
- (71) Genzyme Corporation; Samsung Life Public Welfare Foundation
(21) 2023204116 (22) 28.06.2023
(54) Adeno-associated viral vectors for treating mucopolidosis type II
(62) 2016372035
-
- (71) Globoide, Inc.
(21) 2023204084 (22) 27.06.2023
(54) ONE-WAY CLUTCH AND FISHING REEL
(31) 2022-135549 (32) 29.08.22 (33) JP
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- (71) Grail, LLC
(21) 2023204105 (22) 27.06.2023
(54) Variant Based Disease Diagnostics And Tracking
(62) 2017209330
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- (71) Grifols Diagnostic Solutions Inc.
(21) 2023204121 (22) 28.06.2023
(54) COMPOSITIONS, METHODS AND/OR KITS COMPRISING A RECOMBINANT HUMAN CD38-EXTRACELLULAR DOMAIN
(62) 2018313028
-
- (71) Guardant Health, Inc.
(21) 2023204088 (22) 27.06.2023
(54) Methods for multi-resolution analysis of cell-free nucleic acids
(62) 2017336153
-
- (71) Hella New Zealand Ltd
(21) 2023204275 (22) 03.07.2023
(54) SYSTEM FOR DETECTING OBSCURANTS ON A VEHICLE LAMP
(31) 2022901841 (32) 30.06.22 (33) AU
-
- (71) HONEYWELL INTERNATIONAL INC.
(21) 2023204012 (22) 26.06.2023
(54) APPARATUSES, COMPUTER-IMPLEMENTED METHODS, AND COMPUTER PROGRAM PRODUCTS FOR MONITORING AUDIO PROTECTOR FIT
(31) 17/812562 (32) 14.07.22 (33) US
-
- (71) Huawei Technologies Co., Ltd.
(21) 2023204122 (22) 28.06.2023
(54) PICTURE PREDICTION METHOD AND APPARATUS, AND CODEC
(62) 2018395081
-
- (71) Hurst, M.
(21) 2023204195 (22) 30.06.2023
(54) An insulation spacer assembly
-
- (71) I.C. Medical, Inc.
(21) 2023204127 (22) 28.06.2023
(54) Ultrapolar electrosurgery blade and ultrapolar electrosurgery blade assembly with conductive cutting edges and top and bottom conductive surfaces
(62) 2018230707
-
- (71) Identiflight International, LLC
(21) 2023204090 (22) 27.06.2023
(54) Imaging array for bird or bat detection and identification
(62) 2021201585
-
- (71) Identiflight International, LLC
(21) 2023204092 (22) 27.06.2023
(54) Bird or bat detection and identification for wind turbine risk mitigation
(62) 2021202273
-
- (71) International Aids Vaccine Initiative; Theraclone Sciences, Inc.; The Scripps Research Institute
(21) 2023204017 (22) 26.06.2023
(54) Human immunodeficiency virus (HIV) - neutralizing antibodies
(62) 2020210242
-
- (71) Johnson & Johnson Consumer Inc.
(21) 2023204148 (22) 29.06.2023
(54) Methods and compositions for enhancing hair quality using blackberry extract
(62) 2021202276
-
- (71) Juul Labs, Inc.
(21) 2023203998 (22) 23.06.2023
(54) Nicotine liquid formulations for aerosol devices and methods thereof
(62) 2021273622
-
- (71) Komatsu Ltd.
(21) 2023204001 (22) 23.06.2023
(54) Control system of unmanned vehicle and control method of unmanned vehicle
(62) 2019427892
-
- (71) L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude
(21) 2023204069 (22) 26.06.2023
(54) BURNER ARRANGEMENT FOR SYNTHESIS GAS PRODUCTION
(31) 22020352.5 (32) 21.07.22 (33) EP
-
- (71) LG Electronics Inc.
(21) 2023204083 (22) 27.06.2023
-
- (54) REFRIGERATOR
(31) 10-2022-0078426 (32) 27.06.22 (33) KR
-
- (71) Lifetime Products, Inc.
(21) 2023204106 (22) 27.06.2023
(54) TABLE
(62) 2020206254
-
- (71) Longeviti Neuro Solutions LLC
(21) 2023204095 (22) 27.06.2023
(54) Cerebral Spinal Fluid Shunt Plug
(62) 2018257528
-
- (71) Low Carbon Beef LLC
(21) 2023204066 (22) 26.06.2023
(54) Lifecycle Assessment Systems and Methods for Determining Emissions from Animal Production
(62) 2020381570
-
- (71) LUCOMM TECHNOLOGIES, INC.
(21) 2023204021 (22) 26.06.2023
(54) ROBOTIC DOOR LOCK
(31) 17/851,251 (32) 28.06.22 (33) US
-
- (71) Lycopodium Minerals Pty Ltd
(21) 2023204070 (22) 26.06.2023
(54) Support Structure for Flotation Cell
(31) 2022902314 (32) 15.08.22 (33) AU
-
- (71) Lycopodium Minerals Pty Ltd
(21) 2023204071 (22) 26.06.2023
(54) Low Headroom Classification and Gravity Circuit
(31) 2022902494 (32) 30.08.22 (33) AU
-
- (71) Massachusetts Institute of Technology; The Broad Institute, Inc.; President and Fellows of Harvard College
(21) 2023204078 (22) 27.06.2023
(54) Novel Type VI CRISPR orthologs and systems
(62) 2021203747
-
- (71) Medela Holding AG
(21) 2023204138 (22) 29.06.2023
(54) PUMPING GARMENT
(62) 2021348353
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- (71) Medisca Pharmaceutique Inc.
(21) 2023204134 (22) 29.06.2023
(54) PHARMACEUTICAL COMPOUNDING METHODS AND SYSTEMS
(62) 2017357961
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- (71) Mesoblast International Sarl
(21) 2023204145 (22) 29.06.2023
(54) Mesenchymal stem cells and uses therefor
(62) 2020201636

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(71) Meso Scale Technologies, LLC. (21) 2023204139 (22) 29.06.2023 (54) Integrated Consumable Data Management System and Platform (62) 2016297652	(71) Nicoventures Trading Limited (21) 2023204089 (22) 27.06.2023 (54) Aerosol generating system (62) 2020253980	(71) Rani Therapeutics, LLC (21) 2023204153 (22) 29.06.2023 (54) PCSK9 antibody preparations for delivery into a lumen of the intestinal tract using a swallowable drug delivery device (62) 2016320867
(71) Metalogenia Research & Technologies, S.L. (21) 2023204013 (22) 26.06.2023 (54) System for Fixing an Adapter for Earth-Moving Machines (62) 2019297466	(71) Ningbo Dongrun Mining Co., Ltd. (21) 2023204209 (22) 30.06.2023 (54) FOLDABLE TENT FRAMEWORK AND TENT (31) 202321235651X (32) 17.05.23 (33) CN	(71) Relievent Medsystems, Inc. (21) 2023204019 (22) 26.06.2023 (54) Systems and methods for creating curved paths through bone and modulating nerves within the bone (62) 2021200382
(71) MiTek Corp., Inc. (21) 2023204152 (22) 29.06.2023 (54) Direct fire small ceiling speaker system (62) 2018337828	(71) Novartis AG (21) 2023204098 (22) 27.06.2023 (54) Dosage regimen of an S1P receptor modulator (62) 2020204079	(71) ResMed Pty Ltd (21) 2023204149 (22) 29.06.2023 (54) Headgear for a Patient Interface (62) 2021240144
(71) Modex Wanhua Global Pty Ltd (21) 2023204018 (22) 26.06.2023 (54) Wall panel and panel system (31) 2022901961 (32) 13.07.22 (33) AU	(71) NR ELECTRIC CO., LTD; NR ENGINEERING CO., LTD (21) 2023204100 (22) 27.06.2023 (54) Valve Tower Reinforcing Structure And Reinforcing Method (62) 2022204069	(71) Retrotope, Inc. (21) 2023204024 (22) 26.06.2023 (54) SITE-SPECIFIC ISOTOPIC LABELING OF 1, 4-DIENE SYSTEMS (62) 2021225202
(71) National University Corporation Ehime University (21) 2023204079 (22) 27.06.2023 (54) Car library and scFv manufacturing method (62) 2020218446	NR ENGINEERING CO., LTD see NR ELECTRIC CO., LTD (21) 2023204100	(71) Rinnai Corporation (21) 2023204005 (22) 23.06.2023 (54) COMBUSTION APPARATUS (31) 2022-131512 (32) 22.08.22 (33) JP
(71) Nevro Corp. (21) 2023204099 (22) 27.06.2023 (54) SYSTEMS AND METHODS FOR EXTENDING THE LIFE OF AN IMPLANTED PULSE GENERATOR BATTERY (62) 2020257096	(71) Otonexus Medical Technologies, Inc. (21) 2023203995 (22) 23.06.2023 (54) INFRARED OTOSCOPE FOR CHARACTERIZATION OF EFFUSION (62) 2018275544	(71) Sage Therapeutics, Inc. (21) 2023204015 (22) 26.06.2023 (54) 3,3 Disubstituted 19-nor pregnane compounds, compositions, and uses thereof (62) 2021204782
(71) Nicoventures Trading Limited (21) 2023204003 (22) 23.06.2023 (54) Apparatus for an aerosol generating device (62) 2020303356	(71) Precision Planting LLC (21) 2023203992 (22) 23.06.2023 (54) Agricultural trench depth systems, methods, and apparatus (62) 2021290412	(71) Samsung Electronics Co., Ltd. (21) 2023204072 (22) 26.06.2023 (54) Module comprising antenna and RF element, and base station including same (62) 2018388526
(71) Nicoventures Trading Limited (21) 2023204010 (22) 26.06.2023 (54) Aerosol provision device (62) 2020235043	(71) Precision Planting LLC (21) 2023204077 (22) 27.06.2023 (54) Yield monitoring apparatus, systems, and methods (62) 2022201344	Samsung Life Public Welfare Foundation see Genzyme Corporation (21) 2023204116
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(54) Method for Parameter Set Reference Constraints in Coded Video Stream
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(71) Visual Defence Inc.
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(54) SYSTEM AND METHOD FOR TRAFFIC SIGNAGE INSPECTION THROUGH COLLECTION, PROCESSING AND TRANSMISSION OF DATA
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Applications listed below were processed through the Patent Office Canberra during the period ending 27 Jun 2023 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) AB Dynamoborstfabriken
(21) 2023100060 **(22)** 29.06.2023
(54) INTELLIGENT GRAPHITE DEVICE
(62) 2019238946

(71) Kumiai Chemical Industry Co., Ltd.
(21) 2023100061 **(22)** 30.06.2023
(54) Process for producing herbicide and in-
intermediate thereof
(62) 2023201945

(71) Kumiai Chemical Industry Co., Ltd.
(21) 2023100062 **(22)** 30.06.2023
(54) Process for producing herbicide and in-
intermediate thereof
(62) 2023201945

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2023100062 Kumiai Chemical Industry Co., Ltd.

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)
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- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)

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2023202132 (7AN) 2023202280 (7AN) 2023202284 (7AN)
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Assignments before Grant, Section 113

2018

2018244442 Phosphorex, Inc. The application has been assigned to **Cytodigm, Inc.**

2018342751 Bellus Health Cough Inc.; Neomed Institute The application has been assigned to **Bellus Health Cough Inc.**

Assignments before Grant, Section 113

2018360878 Family Zone Cyber Safety Ltd The application has been assigned to **Qoria Holdings Pty Ltd**

2018379644 Howard Foundation Holdings Ltd The application has been assigned to **MARAVILLA LLC**

2018388874 NIL, Lance The application has been assigned to **LN1 INC.**

2019

2019247898 Safran Cabin Netherlands N.V. The application has been assigned to **Safran Cabin Catering B.V.**

2019309371 NIL, Lance The application has been assigned to **LN1 INC.**

2019335221 Nil, Lance The application has been assigned to **LN1 INC.**

2020

2020223104 Vita Inclinata Technologies, Inc. The application has been assigned to **Vita Inclinata IP Holdings LLC**

2020223335 Nil, Lance The application has been assigned to **LN1 INC.**

2020267416 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2020270993 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2020289768 Portola Pharmaceuticals, Inc. The application has been assigned to **Alexion Pharmaceuticals, Inc.**

2020310315 Pero Solutions ApS The application has been assigned to **SwipBox Development ApS**

2020316044 Vita Inclinata Technologies, Inc. The application has been assigned to **Vita Inclinata IP Holdings LLC**

2020324465 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2020340263 Coors Brewing Company The application has been assigned to **Porifera Inc.**

2020346814 Zhang, Xiaofeng; Dana-Farber Cancer Institute, Inc. The application has been assigned to **Dana-Farber Cancer Institute, Inc.**

2020391500 Vita Inclinata Technologies, Inc. The application has been assigned to **Vita Inclinata IP Holdings LLC**

2020394206 Vita Inclinata Technologies, Inc. The application has been assigned to **Vita Inclinata IP Holdings LLC**

Assignments before Grant, Section 113

2020422462 Coors Brewing Company The application has been assigned to **Porifera Inc.**

2021

2021204634 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2021212123 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2021212156 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2021218033 Portola Pharmaceuticals, Inc. The application has been assigned to **Alexion Pharmaceuticals, Inc.**

2021218214 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2021221455 Vita Inclinata Technologies, Inc The application has been assigned to **Vita Inclinata IP Holdings LLC**

2021259619 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2021266184 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2021286397 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2021290335 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2021321510 Hadasit Medical Research Services & Development Limited; Yissum Research Development Company of the Hebrew University of Jerusalem Ltd. The application has been assigned to **Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.**

2021379575 LAU, Johnson Yiu-Nam The application has been assigned to **AVALON BIOMEDICAL (MANAGEMENT) LIMITED**

2021384002 KING'S COLLEGE LONDON; UCL BUSINESS LTD The application has been assigned to **UCL Business Ltd**

2021390213 HASHEMI, Farzad The application has been assigned to **Copsys Technologies Inc.**

2022

2022200147 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2022200486 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2022200927 Cortexyme, Inc. The application has been assigned to **Lighthouse Pharmaceuticals, Inc.**

Assignments before Grant, Section 113

2022202794 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2022271491 ProQR Therapeutics II B.V. The application has been assigned to **Academisch Ziekenhuis Leiden, also acting under the name Leiden University Medical Centre ("LUMC")**

2022283738 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2022903085 Collins, David; The University of Melbourne; Sammartino, Luke The application has been assigned to **The University of Melbourne**

2022903147 Pipe Couplings (Australasia) Pty Limited The application has been assigned to **Ricci, Giulio; Nakhle, Paul**

2023

2023200665 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2023201243 W. L. Gore & Associates, Inc. The application has been assigned to **Edwards Lifesciences Corporation**

2023901500 Serrao, Juliet The application has been assigned to **TRKB Investments 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.

2004

2004322947 **Hatch Ltd.** An application to extend the time from 01 Sep 2022 to 01 Jul 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2005

2005203598 **Hatch Ltd.** An application to extend the time from 12 Aug 2022 to 12 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2005276960 **Hatch Associates Pty Limited** An application to extend the time from 26 Aug 2022 to 26 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2008

2008302987 **Hatch Ltd.** An application to extend the time from 29 Sep 2022 to 29 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2008359682 **Hatch Ltd.** An application to extend the time from 25 Jul 2022 to 25 Jun 2023 in which to pay a renewal fee has been filed . Ad-

Extensions of Time, Section 223

dress for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2008359683 **Hatch Ltd.** An application to extend the time from 24 Jul 2022 to 22 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2009

2009353875 **Hatch Ltd.** An application to extend the time from 08 Oct 2022 to 08 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2011

2011320054 **Hatch Ltd.** An application to extend the time from 19 Oct 2022 to 19 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2012

2012315404 **Hatch Ltd.** An application to extend the time from 01 Oct 2022 to 01 Jul 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2013

2013308380 **Hatch Pty Ltd** An application to extend the time from 26 Aug 2022 to 26 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2013397905 **Hatch Ltd.** An application to extend the time from 15 Aug 2022 to 15 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2014

2014321147 **Hatch Pty Ltd** An application to extend the time from 12 Sep 2022 to 12 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2014336968 **Hatch Pty Ltd** An application to extend the time from 17 Oct 2022 to 17 Jun 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017

2017364328 **Swell Energy Inc.** An application to extend the time from 15 Nov 2022 to 15 Jul 2023 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

Extensions of Time, Section 223

Applications Allowed - Section 223(2)

2017

2017248507 **Pentair Water Pool And Spa, Inc.** The time in which to pay a renewal fee has been extended to 11 Jan 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018

2018307577 **Molony, V.** The time in which to request examination has been extended to 03 Mar 2023 . Address for service - LESICAR MAYNARD ANDREWS PTY LTD PO BOX 2545 KENT TOWN SA 5071 AU

2021

2021351555 **OWENS-BROCKWAY GLASS CONTAINER INC.** The time in which to enter the National Phase has been extended to 01 Jul 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021351723 **OWENS-BROCKWAY GLASS CONTAINER INC.** The time in which to enter the National Phase has been extended to 01 Jul 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021355512 **OWENS-BROCKWAY GLASS CONTAINER INC.** The time in which to enter the National Phase has been extended to 01 Jul 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021355513 **OWENS-BROCKWAY GLASS CONTAINER INC.** The time in which to enter the National Phase has been extended to 01 Jul 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021364103 **OWENS-BROCKWAY GLASS CONTAINER INC.** The time in which to enter the National Phase has been extended to 01 Jul 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2023

2023200324 **Alteogen, Inc** The time in which to request examination has been extended to 21 May 2023 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2023202578 **HydroCare Australia Investment Pty Ltd** The time in which to associate with a complete application has been extended to 27 May 2023 . Address for service - HydroCare Australia Investment Pty Ltd 6-8 Crawford St Braeside VIC 3195 AU

2023203290 **Hemanext Inc.** The time in which to make a further application for a divisional patent has been extended to 23 Jun 2023 . Address for service - IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD PO Box 1321 SPRINGWOOD QLD 4127 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

Amendments

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.

2002

2002333220 Phenyl-piperazine derivatives as serotonin reuptake inhibitors **H. Lundbeck A/S** The nature of the amendment is as shown in the statement(s) filed 17 May 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015

2015203736 Audio encoder and bandwidth extension decoder **Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.** The nature of the amendment is as shown in the statement(s) filed 27 Jun 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2016

2016208384 CLOSTRIDIUM HISTOLYTICUM ENZYMES AND METHODS FOR THE USE THEREOF **Endo Global Ventures** The nature of the amendment is as shown in the statement(s) filed 25 May 2023 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2016222479 MULTI-COMPONENT GUTTER BRACKET **Interit Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 05 Aug 2022 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2016263198 Antagonistic anti-tumor necrosis factor receptor super-family antibodies **The General Hospital Corporation** The nature of the amendment is as shown in the statement(s) filed 29 Jun 2023 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2016307967 Tissue factor pathway inhibitor antibodies and uses thereof **Pfizer Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Jun 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017

2017267665 Modulatory polynucleotides **Voyager Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 08 Jun 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2019

2019397033 Chimeric antigen receptors and CAR-T cells and methods of use **Kite Pharma, Inc.** The nature of the amendment is: Add the name of co-inventor Wiltzius, Jed . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2020

2020223177 Increasing representation accuracy of quantum simulations without additional quantum resources **Google LLC** The nature of the amendment is as shown in the statement(s) filed 01 Jun 2023 .

Amendments

Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2021

2021201433 Induction medium and methods for stem cell culture and therapy **SanBio, Inc.** The nature of the amendment is as shown in the statement(s) filed 05 Jun 2023 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

2021333331 Ship **Mitsubishi Shipbuilding Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 19 Jun 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2023

2023200478 Video coding using a coded picture buffer **Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.** The nature of the amendment is as shown in the statement(s) filed 26 Jun 2023 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

Amendments Made

2015

2015264940 **Amgen Fremont Inc.; Amgen Inc.** The nature of the amendment is as shown in the statement filed 27 Feb 2023

2018

2018205366 **Mars, Incorporated** The nature of the amendment is: Amend the name of the inventor to read Butterwick, Richard Fulton; Harrison, Matthew James; Salt, Carina; Bradley, Sophie and Morris, Penelope J.

2018235143 **Fresenius Medical Care Deutschland GmbH** The nature of the amendment is as shown in the statement filed 22 Jun 2023

2018320492 **Adama Makhteshim Ltd.** The nature of the amendment is as shown in the statement filed 28 Feb 2023

2018326401 **Commonwealth Scientific and Industrial Research Organisation** The nature of the amendment is as shown in the statement filed 03 Apr 2023

2019

2019309381 **CareFusion 213, LLC** The nature of the amendment is: Amend the name of the inventor to read PARVIZI, Javad; SHARKEY, Peter F.; DELLA VALLE, Craig J.; KIRSCHMAN, David L.; BRITAIN, Harry G.; PARMAR, Mayank M. and MILLER, Alan B.

2019464673 **Daikin Industries, Ltd.; Daikin Europe N.V.** The nature of the amendment is: Amend the invention title to read Compressor unit and refrigeration apparatus

2020

2020219412 **Unilever IP Holdings B.V.** The nature of the amendment is as shown in the statement filed 31 Mar 2023

Amendments

2020273158 **Pliant Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read DECARIS, Martin; TURNER, Scott and LEFEBVRE, Eric

2021

2021296100 **Nihon Nohyaku Co., Ltd.** The nature of the amendment is as shown in the statement filed 29 Jun 2023

2021296100 **Nihon Nohyaku Co., Ltd.** The nature of the amendment is: Amend the invention title to read ARYL TETRAHYDRO PYRIDAZINE DERIVATIVE OR SALT THEREOF, INSECTICIDAL AGENT CONTAINING THE COMPOUND, AND METHOD OF USE THEREOF

2021357746 **SANOFI PASTEUR; CTK BIOTECH, INC.** The nature of the amendment is as shown in the statement filed 27 Jun 2023

2021380874 **AXICHEM AB** The nature of the amendment is as shown in the statements filed 20 Jun 2023 and 30 Jun 2023

2021382150 **METSO OUTOTEC FINLAND OY** The nature of the amendment is: Remove priority details 20208640.1 EP dated 19 Nov 2020

2021390722 **CANWELL (GZ) BIOTECH LIMITED** The nature of the amendment is as shown in the statement filed 29 May 2023

2021394748 **IMAGINE PHARMA LLC** The nature of the amendment is as shown in the statement filed 24 Apr 2023

2021396560 **UNIVERSIDAD DE GRANADA** The nature of the amendment is as shown in the statement filed 29 May 2023

2021398477 **UCL BUSINESS LTD; THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES** The nature of the amendment is: Amend the name of the inventor to read FRATTA, Pietro; BROWN, Anna, Leigh; WILKINS, Oscar; KEUSS, Matthew; WARD, Michael and HILL, Sarah

2021400942 **AMGEN INC.** The nature of the amendment is: Amend the invention title to read PRMT5 inhibitors

2021401712 **MERUS N.V.** The nature of the amendment is as shown in the statement filed 15 Jun 2023

2021406354 **CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA** The nature of the amendment is: Amend the invention title to read PEPTIDES FOR THE TREATMENT OF RESPIRATORY INFECTIONS OF VIRAL ORIGIN

2021406791 **JFE STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read SURFACE-TREATED STEEL SHEET AND METHOD OF PRODUCING THE SAME

2021412298 **REC SOLAR PTE. LTD.** The nature of the amendment is: Amend the name of the inventor to read TANG, Muzhi; KARUPUSWAMY, Priyadharsini; CHONG, Shu Yunn and NAKAYASHIKI, Kenta

2021418938 **MICRO MOTION, INC.** The nature of the amendment is: Amend the name of the inventor to read SHANAHAAN, Shaun

Amendments

E.; MCANALLY, Craig B.; SMITH, Brian T.; JIANG, Hua; WANG, Yan; KADU, Suhas Suresh Rao; CHOUDHARY, Rajeev; CHENGJUN, Liu; GAO, Fengchuan; KRAVITZ, Andrew S.; DECHAO, Du; XU, Yingxue and YING, Liu

2021419917 **MITSUBISHI ELECTRIC CORPORATION** The nature of the amendment is: Amend the invention title to read Appliance control system, home appliance, and notification control method for home appliance

2021423180 **CJ CHEILJEDANG CORPORATION** The nature of the amendment is: Amend the invention title to read aroG aldolase variant and method for producing branched chain amino acid by using same

2021427809 **MITSUBISHI ELECTRIC CORPORATION** The nature of the amendment is: Amend the invention title to read Air conditioner, control method, and program

2022

2022219416 **UVEX ARBEITSSCHUTZ GMBH** The nature of the amendment is: Amend the invention title to read Goggle lens

2023

2023202578 **HydroCare Australia Investment Pty Ltd** The nature of the amendment is: Amend the priority details to read 2022901098 27 Apr 2022 AU

2023203593 **CFPH, LLC** The nature of the amendment is: Amend the name of a co-inventor to read Bahrapour, Robert F

2023203749 **Tencent America LLC** The nature of the amendment is: Amend the invention title to read Method for Mixed NAL Unit Type Support in a Coded Picture

2023902009 **CALVARY HEALTH CARE (NEWCASTLE) LIMITED; NSW HEALTH PATHOLOGY** The nature of the amendment is: Amend the invention title to read Broad Assay of Complement Over-activation (BACON)

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

2006

2006247392 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2008

2008236612 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2008236691 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2008236739 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2010

2010210666 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

Amendments

2011

2011203525 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2011224387 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2012

2012335330 Abyssal S.A. The name of the patentee has been altered to **Ocean Infinity (Portugal), S.A.**

2013

2013204387 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2013204473 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2014

2014204426 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2014213963 Rockwool International A/S The name of the patentee has been altered to **Rockwool A/S**

2014213971 Rockwool International A/S The name of the patentee has been altered to **Rockwool A/S**

2014224586 Rockwool International A/S The name of the patentee has been altered to **Rockwool A/S**

2014271310 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2014286114 Rockwool International A/S The name of the patentee has been altered to **Rockwool A/S**

2015

2015215950 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2015296289 Medivation Technologies, Inc. The name of the patentee has been altered to **Medivation Technologies LLC**

2016

2016200080 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2016200902 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2016256786 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2017

2017219098 Kabushiki Kaisha Honda Lock The name of the patentee has been altered to **Minebea AccessSolutions Inc.**

Amendments

2017235971 NetBio, Inc. The name of the patentee has been altered to **ANDE CORPORATION**

2017236009 Abyssal S.A. The name of the patentee has been altered to **Ocean Infinity (Portugal), S.A.**

2017292906 Precision Nanosystems Inc. The name of the patentee has been altered to **Precision Nanosystems ULC**

2017341723 Arvinas, Inc. The name of the patentee has been altered to **Arvinas Operations, Inc.**

2018

2018250226 Avidia Technologies, Inc.; The United States of America, as represented by the Secretary, Department of Health & Human Services The name of the applicant has been altered to **Vaccitech North America, Inc.; The United States of America, as represented by the Secretary, Department of Health & Human Services**

2018280129 OhmiQ, LLC The name of the applicant has been altered to **OhmiQ, Inc.**

2018387417 BicycleTx Limited The name of the applicant has been altered to **BicycleTx Limited**

2018387418 BicycleTx Limited The name of the applicant has been altered to **BicycleTx Limited**

2018390132 Orph Pharma IP Company Limited The name of the applicant has been altered to **Poolbeg Pharma (UK) Limited**

2018418224 Origincell Therapeutics Co., Ltd. The name of the applicant has been altered to **Oricell Therapeutics Co., Ltd.**

2018435825 Abyssal S.A. The name of the applicant has been altered to **Ocean Infinity (Portugal), S.A.**

2018436278 Abyssal S.A. The name of the applicant has been altered to **Ocean Infinity (Portugal), S.A.**

2018436279 Abyssal S.A. The name of the applicant has been altered to **Ocean Infinity (Portugal), S.A.**

2018436495 Abyssal S.A. The name of the applicant has been altered to **Ocean Infinity (Portugal), S.A.**

2019

2019214163 Nanjing Iaso Biotherapeutics Co., Ltd. ; Innovent Biologics (Suzhou) Co., Ltd. The name of the patentee has been altered to **Nanjing IASO Biotechnology Co., Ltd.; Innovent Biologics (Suzhou) Co., Ltd.**

2019224659 BicycleTx Limited The name of the applicant has been altered to **BicycleTx Limited**

2019247795 BicycleTx Limited The name of the applicant has been altered to **BicycleTx Limited**

Amendments

- 2019264604 Abyssal S.A. The name of the patentee has been altered to **Ocean Infinity (Portugal), S.A.**
- 2019272608 NantKwest, Inc. The name of the applicant has been altered to **ImmunityBio, Inc.**
- 2019272844 Avidea Technologies, Inc.; The United States of America, as represented by the secretary, Department of Health and Human Services Office of Technology Transfer National Institutes of Health The name of the applicant has been altered to **Vaccitech North America, Inc.; The United States of America, as represented by the secretary, Department of Health and Human Services Office of Technology Transfer National Institutes of Health**
- 2019289199 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2019289200 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2019349767 Rockwool International A/S The name of the applicant has been altered to **Rockwool A/S**
- 2019355926 Avidea Technologies, Inc.; The United States of America, as represented by The Secretary, Department of Health and Human Services The name of the applicant has been altered to **Vaccitech North America, Inc.; The United States of America, as represented by The Secretary, Department of Health and Human Services**
- 2019398516 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2019398722 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2020**
- 2020253990 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2020260131 Avidea Technologies, Inc.; Institute Of Macromolecular Chemistry; The United States of America, as represented by The Secretary, Department of Health and Human Services, Office of Technology Transfer, National Institutes of Health The name of the applicant has been altered to **Vaccitech North America, Inc.; Institute Of Macromolecular Chemistry; The United States of America, as represented by The Secretary, Department of Health and Human Services, Office of Technology Transfer, National Institutes of Health**
- 2020260280 Precision Nanosystems Inc. The name of the applicant has been altered to **Precision Nanosystems ULC**
- 2020269506 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2020301443 Shenzhen Lingfang Biotech Co., Ltd The name of the applicant has been altered to **Wuxi Life Fountain Biotech Co., Ltd.**
- 2020319704 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**

Amendments

- 2020322193 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2020323739 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2020392890 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2021**
- 2021225071 Vallaurix Trading Sarl MC The name of the applicant has been altered to **Vallaurix MC SARL**
- 2021230355 Novinium, Inc. The name of the applicant has been altered to **Novinium, LLC**
- 2021276616 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2021277645 Arvinas, Inc. The name of the applicant has been altered to **Arvinas Operations, Inc.**
- 2021289095 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2021289367 Supercap Technologies Corp. The name of the applicant has been altered to **CarbonIP Technologies Inc.**
- 2021327130 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2021376917 Bicycletx Limited The name of the applicant has been altered to **BicycleTx Limited**
- 2021404413 SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION SUPPLY) PTY LTD The name of the applicant has been altered to **Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd**
- 2022**
- 2022221566 The ASAN Foundation; University of Ulsan Foundation for Industry Cooperation The name of the applicant has been altered to **Anymedi, Inc.; The ASAN Foundation; University of Ulsan Foundation for Industry Cooperation**
- 2023**
- 2023203744 Rapoport, Benjamin; Griffith Hack The name of the applicant has been altered to **Rapoport, B.**
- 2023901916 Dunlop, Jonathan; Gardner, Bradley; Ganci, Nicholas; Legenhausen, Lina The name of the applicant has been altered to **Dunlop, J.; Gardner, B.; Ganci, N.; Legenhausen, L.**

Applications Open to Public Inspection

Name Index

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

(71) 10X Genomics, Inc.
 (11) AU-A-2023203879
 (21) 2023203879 (22) 20.06.2023
 (54) Compositions and methods for sample processing
 (51) Int. Cl.
 C12N 15/10 (2006.01)
 C12Q 1/68 (2018.01)
 G01N 33/566 (2006.01)
 (43) 13.07.2023
 (62) 2020244615
 (72) Hindson, Benjamin; Hindson, Christopher; Schnall-Levin, Michael; Ness, Kevin; Jarosz, Mirna; Masquelier, Donald; Saxonov, Serge; Merrill, Landon; Price, Andrew; Hardenbol, Paul; Li, Yuan
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) 4D Pharma León, S.L.U.
 (11) AU-A-2023203930
 (21) 2023203930 (22) 21.06.2023
 (54) Process for lyophilising a product
 (51) Int. Cl.
 F26B 5/06 (2006.01)
 A61J 1/10 (2006.01)
 (43) 13.07.2023
 (62) 2021201767
 (72) Carite, Christophe; Declomesnil, Sophie
 (74) FB Rice Pty Ltd

(71) 8 Rivers Capital, LLC
 (11) AU-A-2023203880
 (21) 2023203880 (22) 20.06.2023
 (54) Systems and methods for power production with integrated production of hydrogen
 (51) Int. Cl.
 F01K 13/00 (2006.01)
 C10J 3/72 (2006.01)
 F01K 23/10 (2006.01)
 F02C 3/28 (2006.01)
 F02C 3/34 (2006.01)
 F02C 6/18 (2006.01)
 (43) 13.07.2023
 (62) 2017356668
 (72) ALLAM, Rodney John
 (74) Spruson & Ferguson

(71) Abbott Laboratories
 (11) AU-A-2023204113
 (21) 2023204113 (22) 28.06.2023
 (54) Devices and methods for sample analysis
 (51) Int. Cl.
 B01L 3/00 (2006.01)
 G01N 33/48 (2006.01)

(43) 13.07.2023
 (62) 2021209235
 (72) HUFF, Jeffrey B.; HAYDEN, Mark A.; KARABATSOS, Peter J.; FISCHER, Andrew (Andy); ROBINSON, John M.; HOLETS-MCCORMACK, Shelley R.; LAURENSEN, Sophie
 (74) Spruson & Ferguson

AbbVie Inc. see Calico Life Sciences LLC
 (21) 2023203860

(71) Acer Incorporated
 (11) AU-A-2023203754
 (21) 2023203754 (22) 15.06.2023
 (54) DEVICE AND METHOD OF HANDLING A HANDOVER
 (51) Int. Cl.
 H04W 36/30 (2009.01)
 H04W 8/02 (2009.01)
 H04W 36/14 (2009.01)
 H04W 36/38 (2009.01)
 H04W 48/18 (2009.01)
 H04W 76/18 (2018.01)
 (43) 13.07.2023
 (62) 2022209323
 (72) LIN, Jung-Mao
 (74) Griffith Hack

(71) ACE VISION GROUP, INC.
 (11) AU-A-2023203989
 (21) 2023203989 (22) 23.06.2023
 (54) SYSTEMS AND METHODS FOR AFFECTING THE BIOMECHANICAL PROPERTIES OF CONNECTIVE TISSUE
 (51) Int. Cl.
 A61B 18/18 (2006.01)
 A61B 18/20 (2006.01)
 A61F 9/007 (2006.01)
 A61F 9/008 (2006.01)
 (43) 13.07.2023
 (62) 2021205095
 (72) Hipsley, AnnMarie
 (74) AJ PARK

(71) Acres Technology
 (11) AU-A-2023204073
 (21) 2023204073 (22) 26.06.2023
 (54) Electronic Wagering
 (51) Int. Cl.
 A63F 13/00 (2014.01)
 (43) 13.07.2023
 (62) 2021203054
 (72) Acres, John F.; White, Warren; Dailey, Mark N.; Hermansen, William Dale; Morrelli, Anthony; White, Alex; Luciano, Cyrus A.; Schmitz, John G.; King, Andrew; Ferguson, Patrick B.
 (74) Golja Haines & Friend

(71) Afiniti, Ltd.
 (11) AU-A-2023204093
 (21) 2023204093 (22) 27.06.2023
 (54) TECHNIQUES FOR BENCHMARKING PAIRING STRATEGIES IN A CONTACT CENTER SYSTEM
 (51) Int. Cl.
 G06Q 10/06 (2023.01)
 H04M 3/523 (2006.01)
 (43) 13.07.2023
 (62) 2021201092
 (72) Chishti, Zia
 (74) Allens Patent & Trade Mark Attorneys

(71) Afterpay Pty Ltd
 (11) AU-A-2023203755
 (21) 2023203755 (22) 15.06.2023
 (54) Payment system
 (51) Int. Cl.
 G06Q 40/02 (2023.01)
 G06K 19/06 (2006.01)
 G06Q 20/20 (2012.01)
 G06Q 20/32 (2012.01)
 (43) 13.07.2023
 (62) 2017295314
 (72) MOLNAR, Nicholas; WHITEMAN, David
 (74) FB Rice Pty Ltd

(71) AgeX Therapeutics, Inc.
 (11) AU-A-2023203808
 (21) 2023203808 (22) 16.06.2023
 (54) IMPROVED METHODS FOR DETECTING AND MODULATING THE EMBRYONIC-FETAL TRANSITION IN MAMMALIAN SPECIES
 (51) Int. Cl.
 A61K 31/713 (2006.01)
 A61K 31/715 (2006.01)
 A61K 38/00 (2006.01)
 (43) 13.07.2023
 (62) 2017278931
 (72) West, Michael D.; Larocca, Dana
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) Agro-Alliance Australia Pty Ltd
 (11) AU-A-2022201228
 (21) 2022201228 (22) 23.02.2022
 (54) TRIFLURALIN MICROCAPSULE, SUSPENDING FORMULATION CONTAINING TRIFLURALIN MICROCAPSULES, AND PREPARATION METHODS THEREOF
 (51) Int. Cl.
 A01N 25/28 (2006.01)
 A01N 33/02 (2006.01)
 A01N 33/18 (2006.01)
 A01N 59/10 (2006.01)

Applications Open to Public Inspection - Name Index cont'd

A01P 13/00 (2006.01)
B01J 13/02 (2006.01)
(31) 202111602593.5 **(32)** 24.12.21 **(33)** CN
(43) 13.07.2023
(72) Ye, Xiaogang
(74) Pearce IP Pty Ltd

(71) Alpha Tau Medical Ltd.
(11) AU-A-2023203994
(21) 2023203994 **(22)** 23.06.2023
(54) Wet preparation of radiotherapy sources

(51) Int. Cl.
G21G 4/08 (2006.01)
A61K 33/32 (2006.01)
A61K 51/00 (2006.01)
A61N 5/00 (2006.01)
A61N 5/02 (2006.01)
A61N 5/06 (2006.01)
A61N 5/10 (2006.01)
A61P 35/00 (2006.01)
G21G 4/04 (2006.01)
G21G 4/10 (2006.01)

(43) 13.07.2023
(62) 2020362983
(72) Schmidt, Michael; Kelson, Itzhak
(74) FPA Patent Attorneys Pty Ltd

(71) Alpha Tau Medical Ltd.
(11) AU-A-2023203996
(21) 2023203996 **(22)** 23.06.2023
(54) Wet preparation of radiotherapy sources

(51) Int. Cl.
G21G 4/08 (2006.01)
A61K 33/32 (2006.01)
A61K 51/00 (2006.01)
A61N 5/00 (2006.01)
A61N 5/02 (2006.01)
A61N 5/06 (2006.01)
A61N 5/10 (2006.01)
A61P 35/00 (2006.01)
G21G 4/04 (2006.01)
G21G 4/10 (2006.01)

(43) 13.07.2023
(62) 2020362983
(72) Schmidt, Michael; Kelson, Itzhak
(74) FPA Patent Attorneys Pty Ltd

(71) Alpha Tau Medical Ltd.
(11) AU-A-2023203997
(21) 2023203997 **(22)** 23.06.2023
(54) Wet preparation of radiotherapy sources

(51) Int. Cl.
G21G 4/08 (2006.01)
A61K 33/32 (2006.01)
A61K 51/00 (2006.01)
A61N 5/00 (2006.01)
A61N 5/02 (2006.01)
A61N 5/06 (2006.01)
A61N 5/10 (2006.01)
A61P 35/00 (2006.01)
G21G 4/04 (2006.01)
G21G 4/10 (2006.01)

(43) 13.07.2023
(62) 2020362983
(72) Schmidt, Michael; Kelson, Itzhak
(74) FPA Patent Attorneys Pty Ltd

(71) Angel Group Co., Ltd.
(11) AU-A-2023204058
(21) 2023204058 **(22)** 26.06.2023
(54) System for managing gaming token money

(51) Int. Cl.
A63F 9/00 (2006.01)
A44C 21/00 (2006.01)

(43) 13.07.2023
(62) 2019335834
(72) SHIGETA, Yasushi
(74) Davies Collison Cave Pty Ltd

(71) Ansell Limited
(11) AU-A-2023203987
(21) 2023203987 **(22)** 23.06.2023
(54) Highly chemical resistant glove

(51) Int. Cl.
A41D 19/015 (2006.01)
A41D 19/00 (2006.01)

(43) 13.07.2023
(62) 2021203390
(72) MEGAT ABDUL AZIZ, Putri Faridatul Akmar Binti; CHIN, Mei Yee; RASTAM, Norazilayati Binti; ZAWAWI, Mohd Fairuz Bin Mohamad; MOHAMED, Hamidon Zain Bin; HASSAN, Noorman Abu; WAN AHMAD, Wan Ashruzi Bin
(74) GLMR

(71) Apple Inc.
(11) AU-A-2023203776
(21) 2023203776 **(22)** 16.06.2023
(54) Displaying user interfaces associated with physical activities

(51) Int. Cl.
A63B 24/00 (2006.01)

(43) 13.07.2023
(62) 2021266294
(72) Williams, Aled Hywel; Butcher, Gary Ian; Sundstrom, Matthew J.; Wiebe, Molly Pray
(74) FPA Patent Attorneys Pty Ltd

(71) ARB Corporation Limited
(11) AU-A-2022291592
(21) 2022291592 **(22)** 22.12.2022
(54) Device for controlling an auxiliary light mounted to a vehicle

(51) Int. Cl.
B60Q 1/18 (2006.01)
B60Q 1/00 (2006.01)
H05B 47/155 (2020.01)

(31) 2021904273 **(32)** 24.12.21 **(33)** AU
(43) 13.07.2023
(72) Stickney, Simon John William; Brown, Andrew Harry; Clark, John Desmond
(74) FB Rice Pty Ltd

(71) ARB Labs Inc.
(11) AU-A-2023203965
(21) 2023203965 **(22)** 23.06.2023
(54) Systems, methods and devices for monitoring gaming tables

(51) Int. Cl.

H04N 7/18 (2006.01)
G06Q 50/34 (2012.01)
G06T 7/194 (2017.01)
G07D 9/02 (2006.01)
G08B 13/196 (2006.01)
H04N 5/33 (2023.01)

(43) 13.07.2023
(62) 2018285976
(72) BULZACKI, Adrian; CAZAN, Vlad
(74) Oxygene IP

(71) Aristocrat Technologies, Inc.
(11) AU-A-2023203873
(21) 2023203873 **(22)** 20.06.2023
(54) SYSTEMS, APPARATUS, AND METHODS FOR UNLOCKING HIGHER RTP GAMES

(51) Int. Cl.
G07F 17/00 (2006.01)

(43) 13.07.2023
(62) 2021202858
(72) PALMISANO, Angelo
(74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited

(11) AU-A-2023203932
(21) 2023203932 **(22)** 21.06.2023
(54) A METHOD OF GAMING, A GAME CONTROLLER AND A GAMING SYSTEM

(51) Int. Cl.
A63F 9/24 (2006.01)
A63F 13/00 (2014.01)

(43) 13.07.2023
(62) 2021201864
(72) GUPTA, Lipi
(74) Griffith Hack

(71) Assa Abloy AB
(11) AU-A-2023203743
(21) 2023203743 **(22)** 15.06.2023
(54) Ultra-wide band antenna configuration for physical access control system

(51) Int. Cl.
H01Q 1/22 (2006.01)
G06K 7/10 (2006.01)
G07C 9/00 (2020.01)
H01Q 1/00 (2006.01)
H01Q 1/12 (2006.01)
H01Q 5/25 (2015.01)
H01Q 21/30 (2006.01)
H01Q 1/42 (2006.01)

(43) 13.07.2023
(62) 2020356248
(72) PIRCH, Hans-Juergen
(74) Davies Collison Cave Pty Ltd

(71) Assa Abloy AB
(11) AU-A-2023203748
(21) 2023203748 **(22)** 15.06.2023
(54) Physical access control systems with localization-based intent detection

(51) Int. Cl.
G01S 1/00 (2006.01)
G01S 13/76 (2006.01)
G07C 9/00 (2020.01)

Applications Open to Public Inspection - Name Index cont'd

G07C 9/22 (2020.01)
G07C 9/28 (2020.01)
G07C 9/29 (2020.01)
H04W 4/02 (2018.01)
(43) 13.07.2023
(62) 2020247109
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(74) Davies Collison Cave Pty Ltd

(71) A Stand Up Company Pty Ltd
(11) AU-A-2022291567
(21) 2022291567 **(22)** 22.12.2022
(54) CARD ITEMS FOLDABLE INTO SMART DEVICE STAND
(51) Int. Cl.
B42D 15/00 (2006.01)
A47B 23/04 (2006.01)
H04M 1/04 (2006.01)
(31) 2021904219 **(32)** 23.12.21 **(33)** AU
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(74) protectmyidea.com.au

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(21) 2023204103 **(22)** 27.06.2023
(54) Osmotic dosage forms comprising deutetabenazine and methods of use thereof
(51) Int. Cl.
A61K 9/00 (2006.01)
A61K 9/20 (2006.01)
A61K 9/28 (2006.01)
A61K 31/473 (2006.01)
A61K 47/10 (2017.01)
A61K 47/38 (2006.01)
A61P 25/14 (2006.01)
A61P 25/28 (2006.01)
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(72) SHAH, Parag; JOSHI, Mayank; PATANAYEK, Soumen; PATEL, Divyang; PANDITA, Sandeep
(74) Davies Collison Cave Pty Ltd

(71) Automatic Technology (Australia) Pty Ltd
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(21) 2023203907 **(22)** 21.06.2023
(54) Track- or rail-mounted closure drive assembly
(51) Int. Cl.
E05F 15/681 (2015.01)
E05B 65/00 (2006.01)
E06B 3/44 (2006.01)
(43) 13.07.2023
(62) 2019290032
(72) Matthews, George; Hawkins, Raymond
(74) FPA Patent Attorneys Pty Ltd

(71) Baxter Healthcare SA; Baxter International Inc.
(11) AU-A-2023203835

(21) 2023203835 **(22)** 19.06.2023
(54) SYSTEM AND METHOD FOR PERITONEAL DIALYSIS EXCHANGES HAVING REUSABLE ENERGIZING UNIT
(51) Int. Cl.
A61M 1/16 (2006.01)
A61L 2/00 (2006.01)
A61L 2/10 (2006.01)
A61M 1/28 (2006.01)
(43) 13.07.2023
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(72) MINKUS, Marc S.
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

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(21) 2023203835

(71) Beckman Coulter, Inc.
(11) AU-A-2023203991
(21) 2023203991 **(22)** 23.06.2023
(54) Photoactive macromolecules and uses thereof
(51) Int. Cl.
C08G 61/02 (2006.01)
C09K 11/06 (2006.01)
G01N 33/58 (2006.01)
(43) 13.07.2023
(62) 2021212098
(72) EASWARAN, Arunkumar; GULNIK, Sergei
(74) Spruson & Ferguson

(71) Becton, Dickinson and Company
(11) AU-A-2023204009
(21) 2023204009 **(22)** 26.06.2023
(54) Port interface for drug delivery device
(51) Int. Cl.
A61M 5/142 (2006.01)
A61M 5/145 (2006.01)
A61M 5/158 (2006.01)
A61M 5/42 (2006.01)
A61M 39/02 (2006.01)
(43) 13.07.2023
(62) 2021204460
(72) Rabolli, Christina
(74) FB Rice Pty Ltd

(71) Beijing Sanyuan Foods Co., Ltd.
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(21) 2022331912 **(22)** 29.11.2022
(54) Preparation method of milk oligosaccharides and oligosaccharide powder and food prepared thereby
(51) Int. Cl.
A23C 9/142 (2006.01)
A23L 27/10 (2016.01)
(31) 202111649065.5 **(32)** 29.12.21 **(33)** CN
(43) 13.07.2023
(72) CHEN, Lijun; YANG, Baoyu; ZHANG, Minghui; QIAO, Weicang; ZHAO, Junying; CHEN, Jingyao; LIU, Yanpin; HU, Jufeng
(74) Spruson & Ferguson

(71) Beijing Tusen Zhitu Technology Co., Ltd.
(11) AU-A-2022283765
(21) 2022283765 **(22)** 09.12.2022
(54) Data distribution device, data distribution method and related computing system
(51) Int. Cl.
H04L 12/00 (2006.01)
G06T 7/00 (2017.01)
H04Q 9/04 (2006.01)
H04W 4/02 (2018.01)
H04W 12/02 (2009.01)
H04W 12/10 (2021.01)
H04W 24/04 (2009.01)
(31) 63/293,423 **(32)** 23.12.21 **(33)** US
(43) 13.07.2023
(72) ZHANG, Yu; HAO, Jianan
(74) FB Rice Pty Ltd

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(21) 2023204014

(71) BHE Turbomachinery, LLC
(11) AU-A-2023203858
(21) 2023203858 **(22)** 20.06.2023
(54) IMPROVED REVERSIBLE PUMP-TURBINE INSTALLATION
(51) Int. Cl.
E02B 9/00 (2006.01)
F03B 13/06 (2006.01)
F03B 13/10 (2006.01)
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(62) 2018293589
(72) Obermeyer, Henry K.; Iavornic, Claudiu M.; Baker, Grant Quinn
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(11) AU-A-2023204011
(21) 2023204011 **(22)** 26.06.2023
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(51) Int. Cl.
C07D 207/22 (2006.01)
(43) 13.07.2023
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(74) ALLENS PATENT & TRADE MARK ATTORNEYS

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(11) AU-A-2023203800
(21) 2023203800 **(22)** 16.06.2023
(54) Linear lipopeptide paenipeptins and methods of using the same
(51) Int. Cl.
C07K 7/06 (2006.01)
A61K 35/66 (2015.01)
A61K 38/14 (2006.01)
A61P 31/04 (2006.01)

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(72) HUANG, En; MOON, Sun Hee; SMELTZER, Mark; MEEKER, Daniel
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(11) AU-A-2022275438
(21) 2022275438 **(22)** 23.11.2022
(54) COMPENSATORY ACTIONS FOR AUTOMATED FARMING MACHINE FAILURE
(51) Int. Cl.
A01B 79/02 (2006.01)
A01B 69/00 (2006.01)
(31) 17/564,063 **(32)** 28.12.21 **(33)** US
 17/564,068 28.12.21 US
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(72) Ostrowski, James Patrick; Ehn, Erik; Anderson, Kent Michael; Chostner, Benjamin Ray; Peake, John William
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Bluewater Rise Investments Limited
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(21) 2023203864 **(22)** 20.06.2023
(54) A Container Apparatus and a Container Mounting Collar
(51) Int. Cl.
A47B 77/18 (2006.01)
B65F 1/14 (2006.01)
B65F 1/16 (2006.01)
(43) 13.07.2023
(62) 2018348585
(72) HOWSE, David Charles
(74) James & Wells Intellectual Property
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- (71)** BNSF RAILWAY COMPANY
(11) AU-A-2023203985
(21) 2023203985 **(22)** 23.06.2023
(54) SYSTEM AND METHOD FOR RAILROAD TIE MANAGEMENT
(51) Int. Cl.
G06Q 10/06 (2023.01)
G06Q 10/08 (2023.01)
(43) 13.07.2023
(62) 2021401740
(72) BRICK, Michael James; MINTON, Samuel; PICKARD, Christopher Neil; HUNT, Phillip; DEVINE, Justin Lee
(74) Oxygene IP
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- (71)** Boston Scientific Neuromodulation Corporation
(11) AU-A-2023203745
(21) 2023203745 **(22)** 15.06.2023
(54) User-weighted closed loop adjustment of neuromodulation treatment
(51) Int. Cl.
A61N 1/372 (2006.01)
(43) 13.07.2023
(62) 2020233573
(72) MCDONALD, Matthew Lee
(74) Spruson & Ferguson
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- (71)** Boyle, N.
(11) AU-A-2023203960
(21) 2023203960 **(22)** 22.06.2023
(54) APPARATUS, METHODS AND SYSTEMS FOR FOOD WASTE RECYCLING
(51) Int. Cl.
B65F 1/16 (2006.01)
A23K 10/26 (2016.01)
A23K 10/37 (2016.01)
B09B 5/00 (2006.01)
B65D 43/16 (2006.01)
B65D 51/18 (2006.01)
B65F 3/00 (2006.01)
(43) 13.07.2023
(62) 2021204513
(72) Boyle, Norman
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71)** Brane Cognitives Pte. Ltd.
(11) AU-A-2023203892
(21) 2023203892 **(22)** 20.06.2023
(54) Natural solution language
(51) Int. Cl.
G06F 8/30 (2018.01)
(43) 13.07.2023
(62) 2020205593
(72) BYRRAJU, Ramalinga Raju
(74) FB Rice Pty Ltd
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- (71)** BrightSeed, Inc.
(11) AU-A-2023204067
(21) 2023204067 **(22)** 26.06.2023
(54) Method for modulating metabolism
(51) Int. Cl.
A61K 31/715 (2006.01)
A61K 36/185 (2006.01)
A61P 3/06 (2006.01)
(43) 13.07.2023
(62) 2019207737
(72) CHAE, Lee Heil
(74) Spruson & Ferguson
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- (71)** Britax Child Safety Inc
(11) AU-A-2023204131
(21) 2023204131 **(22)** 28.06.2023
(54) CHILD SEAT WITH BELT TENSIONING MECHANISM FOR IMPROVED INSTALLATION
(51) Int. Cl.
B60N 2/26 (2006.01)
(43) 13.07.2023
(62) 2021203865
(72) Strong, Lynn Curtis; Gunter, Mark; Reed, Scott Alan
(74) Madderns Pty Ltd
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- (71)** Bullivants Pty Limited
(11) AU-A-2022291495
(21) 2022291495 **(22)** 21.12.2022
(54) ADJUSTABLE SLING
(51) Int. Cl.
B66C 1/12 (2006.01)
D07B 1/18 (2006.01)
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- (31)** 2021904236 **(32)** 23.12.21 **(33)** AU
(43) 13.07.2023
(72) TAYLOR, Andrew John; POOLMAN, John Joseph
(74) WRAYS PTY LTD
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- (71)** Bytemark, Inc.
(11) AU-A-2023203911
(21) 2023203911 **(22)** 21.06.2023
(54) Methods and systems for hands-free fare validation and gateless transit
(51) Int. Cl.
G06Q 10/02 (2012.01)
H04W 4/00 (2018.01)
H04W 4/02 (2018.01)
H04W 12/08 (2021.01)
(43) 13.07.2023
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(74) Spruson & Ferguson
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- (71)** C. R. Bard, Inc.
(11) AU-A-2023203963
(21) 2023203963 **(22)** 23.06.2023
(54) Catheter insertion tray with integrated instructions
(51) Int. Cl.
A61M 25/00 (2006.01)
A61B 50/33 (2016.01)
A61F 13/38 (2006.01)
(43) 13.07.2023
(62) 2017409008
(72) Hughett, David; Riescher, Russell; Gohde, John
(74) FB Rice Pty Ltd
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- (71)** Calico Life Sciences LLC; AbbVie Inc.
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(54) MODULATORS OF THE INTEGRATED STRESS PATHWAY
(51) Int. Cl.
C07C 233/00 (2006.01)
A61K 31/16 (2006.01)
A61K 31/165 (2006.01)
A61K 31/352 (2006.01)
A61K 31/36 (2006.01)
A61K 31/498 (2006.01)
A61K 31/538 (2006.01)
A61P 3/00 (2006.01)
A61P 19/00 (2006.01)
A61P 21/00 (2006.01)
A61P 25/00 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
C07C 235/00 (2006.01)
C07C 237/00 (2006.01)
C07D 207/22 (2006.01)
C07D 209/42 (2006.01)
C07D 265/36 (2006.01)
C07D 307/84 (2006.01)
C07D 311/66 (2006.01)
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C07D 405/12 (2006.01)
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C07D 493/04 (2006.01)

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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Capital One Services, LLC
 (11) AU-A-2023203948
 (21) 2023203948 (22) 22.06.2023
 (54) Contextual tapping engine
 (51) Int. Cl.
 G06Q 20/34 (2012.01)
 G06Q 20/32 (2012.01)
 G07F 7/08 (2006.01)

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 (72) RULE, Jeffrey; HERRINGTON, Daniel; HART, Colin; HENG, Melissa Yoemans
 (74) GLMR

(71) Capital One Services, LLC
 (11) AU-A-2023203952
 (21) 2023203952 (22) 22.06.2023
 (54) Steganographic image encoding of biometric template information on a card
 (51) Int. Cl.
 G06F 21/32 (2013.01)
 G06F 21/34 (2013.01)
 G06F 21/36 (2013.01)
 G06Q 20/40 (2012.01)

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 (72) OSBORN, Kevin; CHIGURUPATI, Srinivasa; RULE, Jeffrey
 (74) GLMR

(71) Carrier Corporation
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 (21) 2022283708 (22) 07.12.2022
 (54) Creating a workflow from multiple disparate workflow systems leveraging predictive actionable insights for equipment
 (51) Int. Cl.
 G06F 16/25 (2019.01)
 G05B 15/02 (2006.01)
 G06Q 10/06 (2023.01)
 G06Q 10/10 (2023.01)

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 (43) 13.07.2023
 (72) Mandal, Subhasis; J., Ezhilan; Narayana, Prasanna Kumar; Das, Arnab
 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2022204215

(71) Caterpillar Underground Mining Pty. Ltd.
 (11) AU-A-2022283690
 (21) 2022283690 (22) 07.12.2022
 (54) VARIABLE SYSTEM PRESSURE BASED ON IMPLEMENT POSITION
 (51) Int. Cl.
 E02F 9/22 (2006.01)
 E02F 3/65 (2006.01)
 F15B 11/028 (2006.01)
 (31) 17/563,977 (32) 28.12.21 (33) US
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 (72) ALBERS, Riley A.; EVANS, David R.; O'NEILL, William N.; MATE, Edward W.; SAYEED, Fuaad A.; WIGG, Jason P.; FERRIER, James T.; BERRY, Jeffrey K.
 (74) FPA Patent Attorneys Pty Ltd

(71) CFPH, LLC
 (11) AU-A-2023203940
 (21) 2023203940 (22) 22.06.2023
 (54) DIGITAL COMPUTING AND PROCESSING SYSTEMS INVOLVING INTERPROGRAM OR INTERPROCESS COMMUNICATION REGARDING RISK IN AMUSEMENT DEVICES
 (51) Int. Cl.
 G06F 17/00 (2019.01)
 (43) 13.07.2023
 (62) 2021204069
 (72) Flaherty, Phillip; Garrood, Andrew
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) CFPH, LLC; BGC Partners, Inc.
 (11) AU-A-2023204014
 (21) 2023204014 (22) 26.06.2023
 (54) SYSTEMS AND METHODS FOR PROVIDING ACCESS TO WIRELESS GAMING DEVICES
 (51) Int. Cl.
 H04B 7/26 (2006.01)
 H04L 12/28 (2006.01)
 H04W 88/06 (2009.01)
 (43) 13.07.2023
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 (72) Asher, Joseph M.; Alderucci, Dean P.; Burman, Kevin; Rushin, Ronald; Bahrapour, Robert; Coffey, James
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (11) AU-A-2023204101
 (21) 2023204101 (22) 27.06.2023
 (54) MULTI-LEVEL GAMING COMPETITIONS
 (51) Int. Cl.
 A63F 9/24 (2006.01)
 (43) 13.07.2023
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 (72) Miller, Kenneth L.; Amaitis, Lee; Flaherty, Phillip; Simbal, Jason; Lipka, Craig
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2021290374 (22) 24.12.2021
 (54) IMPROVED MECHANISM OF TRANSFERRING AIR/ LIQUID/ GAS OF STATIONARY COMPONENT TO SECOND ROTATING COMPONENT.
 (51) Int. Cl.
 B60C 23/00 (2006.01)
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 (72) Cline, Chet
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(71) China Automotive Technology and Research Center Co., Ltd; Catarc Automotive Test Center (Tianjin) Co., Ltd
 (11) AU-A-2022204215
 (21) 2022204215 (22) 16.06.2022
 (54) Preparation Method for Skin Layer of Limb of Automobile Crash Test Dummy
 (51) Int. Cl.
 B29C 41/18 (2006.01)
 B29B 7/86 (2006.01)
 B29B 13/02 (2006.01)
 B29B 13/10 (2006.01)
 B29C 41/46 (2006.01)
 B29K 27/06 (2006.01)
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 (43) 13.07.2023
 (72) Liu, Zhixin; Wu, Zhixin; Chen, Hong; Liu, Weidong; Ma, Weijie; Hao, Ye; Xie, Minghao; Wang, Kai
 (74) Raven IP

(71) China University of Mining and Technology
 (11) AU-A-2022325172
 (21) 2022325172 (22) 23.02.2022
 (54) Method for drivable area detection and autonomous obstacle avoidance of unmanned haulage equipment in deep confined spaces
 (51) Int. Cl.
 G05D 1/02 (2020.01)
 (31) 202111641284.9 (32) 29.12.21 (33) CN
 (43) 13.07.2023
 (72) ZHU, Zhencai; YANG, Chunyu; ZHANG, Yidong; ZHANG, Xin; GU, Zhen
 (74) Baxter Patent Attorneys Pty Ltd

(71) CHINA UNIVERSITY OF MINING AND TECHNOLOGY; XUZHOU KERUI MINING TECHNOLOGY CO., LTD.
 (11) AU-A-2022368365
 (21) 2022368365 (22) 30.09.2022
 (54) METHOD FOR POSITIONING AUXILIARY TRANSPORTATION VEHICLE IN COAL MINE AND POSITIONING SYSTEM THEREOF
 (51) Int. Cl.
 G05D 1/00 (2006.01)
 (31) 202111616413.9 (32) 27.12.21 (33) CN
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 (72) JIANG, Fan; ZHU, Zhencai; HUANG, Xingtao; ZHOU, Gongbo; LIU, Ni-ansheng; WANG, Libing; ZHANG,

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(71) Chiyoda Corporation
(11) AU-A-2023203898
(21) 2023203898 **(22)** 20.06.2023
(54) Method For Managing Plant, Plant Design Device, And Plant Management Device
(51) Int. Cl.
G05B 23/02 (2006.01)
G06F 21/55 (2013.01)
(43) 13.07.2023
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(72) IKAWA, Shizuka; YASUI, Takehito; FURUICHI, Kazuya; HAMADA, Yuki
(74) WRAYS PTY LTD

(71) Chr. Hansen HMO GmbH
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(54) Process for purifying sialylated oligosaccharides
(51) Int. Cl.
C07H 1/08 (2006.01)
C07H 3/06 (2006.01)
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(72) JENNEWEIN, Stefan; HELFRICH, Markus; ENGELS, Benedikt
(74) Davies Collison Cave Pty Ltd

(71) CNH Industrial America LLC
(11) AU-A-2022291512
(21) 2022291512 **(22)** 21.12.2022
(54) System for detecting a condition indicative of plugging of an agricultural combine
(51) Int. Cl.
A01D 41/127 (2006.01)
(31) 17/564,704 **(32)** 29.12.21 **(33)** US
(43) 13.07.2023
(72) Isaac, Nathan E.
(74) Griffith Hack

(71) Colgate-Palmolive Company
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(54) Peroxymonosulfate oral whitening compositions
(51) Int. Cl.
A61K 8/22 (2006.01)
A61K 8/58 (2006.01)
A61Q 11/00 (2006.01)
(31) 63/293,345 **(32)** 23.12.21 **(33)** US
 63/293,355 23.12.21 US
(43) 13.07.2023
(72) LEE, Jonghun; DOGO-ISONAGIE, Cajetan
(74) Spruson & Ferguson

(71) Colgate-Palmolive Company
(11) AU-A-2022335875
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(54) Peroxymonosulfate oral whitening compositions
(51) Int. Cl.
A61K 8/23 (2006.01)
A61Q 11/00 (2006.01)
(31) 63/293,345 **(32)** 23.12.21 **(33)** US
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(43) 13.07.2023
(72) DOGO-ISONAGIE, Cajetan; CHOPRA, Suman
(74) Spruson & Ferguson

(71) ConMed Corporation
(11) AU-A-2023204020
(21) 2023204020 **(22)** 26.06.2023
(54) ELECTROSURGICAL VESSEL SEALER HAVING OPPOSED SEALING SURFACES WITH VARYING GAP HEIGHT
(51) Int. Cl.
A61B 18/14 (2006.01)
A61B 18/00 (2006.01)
A61B 18/12 (2006.01)
(43) 13.07.2023
(62) 2020265231
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(74) Griffith Hack

(71) Coulisse B.V.
(11) AU-A-2022287598
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(54) System and method for counting corrugations in a flexible material
(51) Int. Cl.
G06T 7/60 (2017.01)
G06V 10/14 (2022.01)
G06V 10/44 (2022.01)
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(74) LAMINAR IP PTY LTD

(71) davern, m.
(11) AU-A-2022291580
(21) 2022291580 **(22)** 22.12.2022
(54) Power system for electric and hybrid vehicle and campervans
(51) Int. Cl.
B60L 8/00 (2006.01)
B60K 16/00 (2020.01)
F03D 9/00 (2016.01)
F03D 9/32 (2016.01)
(31) 2021904235 **(32)** 23.12.21 **(33)** AU
(43) 13.07.2023
(72) Davern, Michael
(74) michael davern

(71) Deere & Company
(11) AU-A-2023203979
(21) 2023203979 **(22)** 23.06.2023
(54) Automatic vehicle and conveyor positioning
(51) Int. Cl.
A01D 90/00 (2006.01)
A01C 15/00 (2006.01)

A01D 41/12 (2006.01)
A01D 75/00 (2006.01)
A01D 87/02 (2006.01)
A01D 90/02 (2006.01)
B60P 1/36 (2006.01)
B65G 41/00 (2006.01)
B65G 43/00 (2006.01)
B65G 67/08 (2006.01)
B65G 67/24 (2006.01)
G05D 1/02 (2020.01)
(43) 13.07.2023
(62) 2017204577
(72) Green, Lawrence D.; Frasier, Michael E.
(74) Davies Collison Cave Pty Ltd

(71) Dolby International AB
(11) AU-A-2023203838
(21) 2023203838 **(22)** 19.06.2023
(54) Method and device for rendering an audio soundfield representation for audio playback
(51) Int. Cl.
H04S 3/00 (2006.01)
(43) 13.07.2023
(62) 2021203484
(72) BOEHM, Johannes; KEILER, Florian
(74) Spruson & Ferguson

(71) Dolby International AB
(11) AU-A-2023203912
(21) 2023203912 **(22)** 21.06.2023
(54) Integration of high frequency reconstruction techniques with reduced post-processing delay
(51) Int. Cl.
G10L 21/038 (2013.01)
G10L 19/18 (2013.01)
G10L 21/02 (2013.01)
(43) 13.07.2023
(62) 2021277708
(72) KJOERLING, Kristofer; VILLEMoes, Lars; PURNHAGEN, Heiko; EK-STRAND, Per
(74) Spruson & Ferguson

(71) Dolby International AB
(11) AU-A-2023203942
(21) 2023203942 **(22)** 22.06.2023
(54) Improved Harmonic Transposition
(51) Int. Cl.
G10L 19/02 (2013.01)
G10L 19/022 (2013.01)
G10L 21/02 (2013.01)
G10L 21/038 (2013.01)
G10L 21/04 (2013.01)
(43) 13.07.2023
(62) 2022291476
(72) Ekstrand, Per; Villemoes, Lars Falck
(74) Chrysilou IP

(71) Dolby International AB
(11) AU-A-2023204124
(21) 2023204124 **(22)** 28.06.2023
(54) Audio Upmixer Operable in Prediction or Non-Prediction Mode
(51) Int. Cl.

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G10L 19/00 (2013.01)
G10L 19/008 (2013.01)
(43) 13.07.2023
(62) 2022202192
(72) Carlsson, Pontus; Purnhagen, Heiko; Villemoes, Lars
(74) Chrysiliou IP

(71) Dolby Laboratories Licensing Corporation
(11) AU-A-2023203814
(21) 2023203814 **(22)** 19.06.2023
(54) Image reshaping in video coding using rate distortion optimization
(51) Int. Cl.
H04N 19/503 (2014.01)
H04N 19/107 (2014.01)
H04N 19/117 (2014.01)
H04N 19/147 (2014.01)
H04N 19/159 (2014.01)
H04N 19/176 (2014.01)
H04N 19/46 (2014.01)
H04N 19/82 (2014.01)
H04N 19/85 (2014.01)
(43) 13.07.2023
(62) 2021282439
(72) YIN, Peng; PU, Fangjun; LU, Taoran; CHEN, Tao; HUSAK, Walter J.; MC-CARTHY, Sean Thomas
(74) Spruson & Ferguson

(71) Dolby Laboratories Licensing Corporation
(11) AU-A-2023204114
(21) 2023204114 **(22)** 28.06.2023
(54) Device and method of improving the perceptual luminance nonlinearity-based image data exchange across different display capabilities
(51) Int. Cl.
G06F 3/14 (2006.01)
G06T 5/00 (2006.01)
G09G 5/00 (2006.01)
(43) 13.07.2023
(62) 2022201261
(72) SCOTT, Daly; MILLER, Jon Scott; NEZAMABADI, Mahdi; ATKINS, Robin
(74) Chrysiliou IP

(71) Dong Guan Tian Sheng Optic-tronics Corp
(11) AU-A-2022211859
(21) 2022211859 **(22)** 04.08.2022
(54) INSULATING SPACER, PUSH-TYPE SWITCHING ASSEMBLY, AND TRACK CIRCUIT CLOSER AND SWITCHING METHOD
(51) Int. Cl.
H02G 5/06 (2006.01)
H01H 13/52 (2006.01)
H01R 13/6585 (2011.01)
H01R 25/14 (2006.01)
(31) 202111609444.1 **(32)** 24.12.21 **(33)** CN
(43) 13.07.2023
(72) Wang, Long
(74) Madderns Pty Ltd

(71) Duress IP Pty Ltd
(11) AU-A-2021290391
(21) 2021290391 **(22)** 24.12.2021
(54) A SAFETY ACTIVATION MEANS
(51) Int. Cl.
G08B 5/22 (2006.01)
G08B 21/02 (2006.01)
G08B 25/01 (2006.01)
(43) 13.07.2023
(72) PAGNIN, Karl; HEAVEN, Travis; WALSH, Tom
(74) Baxter Patent Attorneys Pty Ltd

(71) East Carolina University
(11) AU-A-2023204082
(21) 2023204082 **(22)** 27.06.2023
(54) Compounds, compositions, kits, and methods for activating immune cells and/or an immune system response
(51) Int. Cl.
A61K 31/5575 (2006.01)
A61K 9/00 (2006.01)
A61K 45/06 (2006.01)
C07C 235/78 (2006.01)
C07C 405/00 (2006.01)
(43) 13.07.2023
(62) 2018324070
(72) van Dross-Anderson, Rukiyah T.; Escobedo, Rene
(74) FPA Patent Attorneys Pty Ltd

(71) Easterseals Bay Area
(11) AU-A-2023204091
(21) 2023204091 **(22)** 27.06.2023
(54) METHOD FOR MANAGING BEHAVIORAL TREATMENT THERAPY AND DEVICES THEREOF
(51) Int. Cl.
G16H 10/60 (2018.01)
G16H 20/70 (2018.01)
G16H 40/67 (2018.01)
G16H 50/20 (2018.01)
(43) 13.07.2023
(62) 2018322189
(72) VAN TUYL, Robert; ARMIGER, Susan; SAMELSON, Doreen; NGUYEN, Nhan T.
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Ecolab USA Inc.
(11) AU-A-2023204007
(21) 2023204007 **(22)** 24.06.2023
(54) High alkaline solvent-based degreaser and cleaner with diutan gum as a primary thickening system
(51) Int. Cl.
C11D 3/04 (2006.01)
C11D 3/08 (2006.01)
C11D 3/22 (2006.01)
C11D 3/43 (2006.01)
(43) 13.07.2023
(62) 2020354640
(72) EMIRU, Hilina; WALTERS, Kerrie E.; FAUBION, Madeline G.
(74) Spruson & Ferguson

(71) Eli Lilly and Company
(11) AU-A-2023204008
(21) 2023204008 **(22)** 25.06.2023
(54) Anti-alpha-synuclein antibodies and uses thereof
(51) Int. Cl.
A61P 25/16 (2006.01)
A61P 25/28 (2006.01)
C07K 16/18 (2006.01)
A61K 39/00 (2006.01)
(43) 13.07.2023
(62) 2019395325
(72) CROY, Johnny Eugene; HAYASHI, Mansuo Lu; LU, Jirong; MA, Bo; TANG, Ying
(74) Spruson & Ferguson

(71) Emergent Biodefense Operations Lansing LLC
(11) AU-A-2023204117
(21) 2023204117 **(22)** 28.06.2023
(54) Formulations of brincidofovir
(51) Int. Cl.
A61K 9/08 (2006.01)
A61K 9/19 (2006.01)
A61K 31/685 (2006.01)
A61K 47/18 (2017.01)
A61K 47/26 (2006.01)
(43) 13.07.2023
(62) 2017290703
(72) KABIR, Mohammed Anowrul; NADERER, Odin Johann; GROSSI, Irma Marisa
(74) Spruson & Ferguson

(71) Emergo Therapeutics, Inc.
(11) AU-A-2023204000
(21) 2023204000 **(22)** 23.06.2023
(54) Mast cell stabilizers for treatment of hypercytokinemia and viral infection
(51) Int. Cl.
A61K 31/4535 (2006.01)
A61P 31/12 (2006.01)
(43) 13.07.2023
(62) 2017325010
(72) HYDE-DERUYSCHER, Robin Parish; HYDE-DERUYSCHER, Nancy Harlan; HYDE-DERUYSCHER, Elicia Kristine
(74) Spruson & Ferguson

(71) Fate Therapeutics, Inc.
(11) AU-A-2023203874
(21) 2023203874 **(22)** 20.06.2023
(54) Methods and compositions for inducing hematopoietic cell differentiation
(51) Int. Cl.
C12N 5/0789 (2010.01)
A61K 35/28 (2015.01)
G01N 33/569 (2006.01)
(43) 13.07.2023
(62) 2016348342
(72) VALAMEHR, Bahram; CLARKE, Raedun; BJORDAHL, Ryan
(74) Spruson & Ferguson

(71) Fisher & Paykel Healthcare Limited
(11) AU-A-2023203514

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(21) 2023203514 (22) 06.06.2023

(54) EXHALATION PORT

(51) Int. Cl.

A61M 16/06 (2006.01)

A61M 16/08 (2006.01)

A61M 39/16 (2006.01)

A62B 18/02 (2006.01)

(43) 13.07.2023

(62) 2021200629

(72) Powell, Kevin Blake; Fyfe, Katie

(74) AJ PARK

(71) FISHER & PAYKEL HEALTHCARE LIMITED

(11) AU-A-2023203958

(21) 2023203958 (22) 22.06.2023

(54) Connections for Humidification System

(51) Int. Cl.

A61M 16/16 (2006.01)

(43) 13.07.2023

(62) 2021203674

(72) OSBORNE, Hamish; MILLAR, Gavin Walsh; EVANS, Stephen David; HOLYOAKE, Bruce Gordon; STANTON, James William; McDERMOTT, Gareth Thomas; McKENNA, Nicholas James Michael; NORTON, Myfanwy Jane Antica; ELSWORTH, Adrian John; ANDERSEN, Michael John; GURM, Sandeep Singh; LAMBERT, Jonathan Andrew George; PARIS, Tessa Hazel; GRIFFITHS, Joseph Nathaniel; SI, Ping; SIMS, Christopher Gareth; STOKS, Elmo Benson; CHEUNG, Dexter Chi Lun; SEEKUP, Peter Alan; LIU, Po-Yen David; LANG, Richard Edward; TONKIN, Paul James; KWAN, Ian Lee Wai; McCAULEY, David Leon

(74) AJ PARK

(71) Francisco, J.

(11) AU-A-2021290405

(21) 2021290405 (22) 29.12.2021

(54) Cable Tie - Remove and Reuse

(51) Int. Cl.

B65D 63/00 (2006.01)

B65B 13/02 (2006.01)

(43) 13.07.2023

(72) Francisco, Jeremy

(74) Jeremy Francisco

(71) FusloT Pty Ltd

(11) AU-A-2022291523

(21) 2022291523 (22) 21.12.2022

(54) Smart Electronic Lock

(51) Int. Cl.

G07C 9/00 (2020.01)

E05B 47/00 (2006.01)

G07C 9/20 (2020.01)

G07C 9/28 (2020.01)

G07C 9/29 (2020.01)

H04L 9/08 (2006.01)

E05B 47/02 (2006.01)

(31) 2021904247 (32) 23.12.21 (33) AU

(43) 13.07.2023

(72) Sud, Bhanu

(74) The Trustee for the GET Solutions Family Trust

(71) Future Currency Group Pty Ltd

(11) AU-A-2021290326

(21) 2021290326 (22) 23.12.2021

(54) PRIVATE DISTRIBUTED LEDGER ECOSYSTEM

(51) Int. Cl.

G06Q 20/06 (2012.01)

G06Q 20/40 (2012.01)

H04L 9/32 (2006.01)

H04L 9/00 (2022.01)

(43) 13.07.2023

(72) Moore, Christian Dennis; Blankenship, Dylan Earl

(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) GEMA S.r.l.

(11) AU-A-2023203861

(21) 2023203861 (22) 20.06.2023

(54) Partition Wall for Commercial Vehicles

(51) Int. Cl.

E05D 15/06 (2006.01)

B60J 5/12 (2006.01)

B60R 21/02 (2006.01)

B62D 33/06 (2006.01)

(43) 13.07.2023

(62) 2017328469

(72) Camellini, Giancarlo

(74) A.P.T. Patent and Trade Mark Attorneys

(71) GEMA S.r.l.

(11) AU-A-2023203862

(21) 2023203862 (22) 20.06.2023

(54) Partition Wall for Commercial Vehicles

(51) Int. Cl.

E05D 15/06 (2006.01)

B60J 5/12 (2006.01)

B60R 21/02 (2006.01)

B62D 33/06 (2006.01)

(43) 13.07.2023

(62) 2017328469

(72) Camellini, Giancarlo

(74) A.P.T. Patent and Trade Mark Attorneys

(71) GEMA S.r.l.

(11) AU-A-2023203863

(21) 2023203863 (22) 20.06.2023

(54) Partition Wall for Commercial Vehicles

(51) Int. Cl.

E05D 15/06 (2006.01)

B60J 5/12 (2006.01)

B60R 21/02 (2006.01)

B62D 33/06 (2006.01)

(43) 13.07.2023

(62) 2017328469

(72) Camellini, Giancarlo

(74) A.P.T. Patent and Trade Mark Attorneys

(71) Genmab A/S

(11) AU-A-2023201733

(21) 2023201733 (22) 20.03.2023

(54) Humanized or chimeric CD3 antibodies

(51) Int. Cl.

C07K 16/28 (2006.01)

C07K 16/32 (2006.01)

(43) 13.07.2023

(62) 2016293073

(72) Rademaker, Rik; Altintas, Isil; Engelberts, Patrick; Schuurman, Janine; Parren, Paul

(74) Griffith Hack

(71) Genzyme Corporation; Samsung Life Public Welfare Foundation

(11) AU-A-2023204116

(21) 2023204116 (22) 28.06.2023

(54) Adeno-associated viral vectors for treating mucopolidosis type II

(51) Int. Cl.

C12N 15/86 (2006.01)

A01K 67/027 (2006.01)

A61K 48/00 (2006.01)

C12N 9/12 (2006.01)

(43) 13.07.2023

(62) 2016372035

(72) Yew, Nelson; Jin, Dong-Kyu

(74) Griffith Hack

(71) GE Video Compression, LLC

(11) AU-A-2023203785

(21) 2023203785 (22) 16.06.2023

(54) Entropy coding of motion vector differences

(51) Int. Cl.

H03M 7/42 (2006.01)

(43) 13.07.2023

(62) 2022235513

(72) STEGEMANN, Jan; WIEGAND, Thomas; GEORGE, Valeri; BROSS, Benjamin; KIRCHHOFFER, Heiner; MARPE, Detlev; NGUYEN, Tung; PREISS, Matthias; SIEKMANN, Mischa

(74) Griffith Hack

(71) Grail, LLC

(11) AU-A-2023204105

(21) 2023204105 (22) 27.06.2023

(54) Variant Based Disease Diagnostics And Tracking

(51) Int. Cl.

C12N 15/10 (2006.01)

C12Q 1/68 (2018.01)

(43) 13.07.2023

(62) 2017209330

(72) Venn, Oliver Claude

(74) WRAYS PTY LTD

(71) Greenyn Biotechnology Co., Ltd

(11) AU-A-2021290408

(21) 2021290408 (22) 29.12.2021

(54) C-MET REGULATORY COMPOSITION AND ITS USE FOR PROMOTING HEPATIC CELL REGENERATION

(51) Int. Cl.

A61K 31/357 (2006.01)

A61K 31/341 (2006.01)

A61P 1/16 (2006.01)

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 (72) Hsu, Pang-Kuei; Ho, Chun-Yi; Wu, Chia-Feng
 (74) LAMINAR IP PTY LTD

Griffith Hack see Milwaukee Electric Tool Corporation
 (21) 2023203750

(71) GyroGear Limited
 (11) AU-A-2023203849
 (21) 2023203849 (22) 19.06.2023
 (54) TREMOR STABILISATION APPARATUS AND METHOS

(51) Int. Cl.
A63B 21/22 (2006.01)
A61B 5/00 (2006.01)
A61B 5/11 (2006.01)
A61F 5/01 (2006.01)
A61H 23/00 (2006.01)
A61N 1/04 (2006.01)
A61N 1/36 (2006.01)
A63B 21/00 (2006.01)
A63B 23/16 (2006.01)
A63B 24/00 (2006.01)
F16F 7/10 (2006.01)
G01C 19/42 (2006.01)

(43) 13.07.2023
 (62) 2021203420
 (72) DE PANISSE, Paul; IBRAHIM, Youssef; MEDEISIS, Justas; LASIMAN, Tiarvando; VAKLEV, Nikolay Lyubomirov; ONG, Joon Faii; GAN, Benjamin; KOH, Benjamin; SOLER, Xavier Laguarda; CHOONG NGAN LOU, Winston
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Hanwha Corporation
 (11) AU-A-2022283701
 (21) 2022283701 (22) 07.10.2022
 (54) Emulsion explosive composition with low specific gravity
 (51) Int. Cl.
C06B 47/14 (2006.01)
C06B 23/00 (2006.01)
C06B 45/00 (2006.01)
 (31) 10-2021-0191302 (32) 29.12.21 (33) KR
 (43) 13.07.2023
 (72) LIM, Moon Young; KIM, Jang Ho; KIM, So Seol; AN, Young In
 (74) WRAYS PTY LTD

(71) Hanwha Corporation
 (11) AU-A-2022283740
 (21) 2022283740 (22) 07.10.2022
 (54) Device and method thereof for operating electronic detonator having auxiliary power function
 (51) Int. Cl.
F42C 19/12 (2006.01)
 (31) 10-2021-0190498 (32) 29.12.21 (33) KR
 (43) 13.07.2023
 (72) CHOI, Jeong Ho; KIM, Se Ho
 (74) WRAYS PTY LTD

(71) Hanwha Corporation
 (11) AU-A-2022283741
 (21) 2022283741 (22) 07.10.2022
 (54) Device and method thereof for operating stemming rod used for blasting and configured to include information collection function
 (51) Int. Cl.
F42D 1/00 (2006.01)
 (31) 10-2021-0190500 (32) 29.12.21 (33) KR
 (43) 13.07.2023
 (72) SHIN, Tae Seob; KIM, Se Ho; CHOI, Jeong Ho
 (74) WRAYS PTY LTD

(71) Hanwha Corporation
 (11) AU-A-2022283746
 (21) 2022283746 (22) 07.10.2022
 (54) Blasting device and method thereof for measuring blast vibration
 (51) Int. Cl.
G01H 17/00 (2006.01)
 (31) 10-2021-0192376 (32) 30.12.21 (33) KR
 (43) 13.07.2023
 (72) CHOI, Jeong Ho
 (74) WRAYS PTY LTD

(71) Hanwha Corporation
 (11) AU-A-2022283749
 (21) 2022283749 (22) 07.10.2022
 (54) Device and method thereof for determining detonator information by using wireless signal
 (51) Int. Cl.
F42D 1/00 (2006.01)
 (31) 10-2021-0191091 (32) 29.12.21 (33) KR
 (43) 13.07.2023
 (72) CHOI, Jeong Ho
 (74) WRAYS PTY LTD

(71) Hanwha Corporation
 (11) AU-A-2022283791
 (21) 2022283791 (22) 07.10.2022
 (54) Device and method thereof for operating electronic detonator having response relay function
 (51) Int. Cl.
F42D 1/05 (2006.01)
 (31) 10-2021-0190499 (32) 29.12.21 (33) KR
 (43) 13.07.2023
 (72) CHOI, Jeong Ho; KIM, Se Ho
 (74) WRAYS PTY LTD

(71) Healthall Laboratory, Inc.
 (11) AU-A-2023203924
 (21) 2023203924 (22) 21.06.2023
 (54) Superabsorbent materials and methods of making the same
 (51) Int. Cl.
A61K 31/717 (2006.01)
A61K 47/10 (2017.01)
A61P 3/04 (2006.01)
 (43) 13.07.2023
 (62) 2019316654
 (72) SUN, Lijun
 (74) FB Rice Pty Ltd

(71) Huawei Digital Power Technologies Co., Ltd.
 (11) AU-A-2022291613
 (21) 2022291613 (22) 23.12.2022
 (54) POWER CONVERSION APPARATUS AND CONTROL METHOD FOR POWER CONVERSION APPARATUS
 (51) Int. Cl.
H02J 3/48 (2006.01)
H02J 3/16 (2006.01)
H02J 3/38 (2006.01)
H02M 7/53846 (2007.01)
 (31) 202111633195X (32) 29.12.21 (33) CN
 (43) 13.07.2023
 (72) Wang, Congyuan; Xin, Kai; Shao, Zhangping
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.
 (11) AU-A-2023204122
 (21) 2023204122 (22) 28.06.2023
 (54) PICTURE PREDICTION METHOD AND APPARATUS, AND CODEC
 (51) Int. Cl.
H04N 19/50 (2014.01)
 (43) 13.07.2023
 (62) 2018395081
 (72) Ma, Xiang; Yang, Haitao; Chen, Huanbang; Gao, Shan
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Hyundai Oilbank Co., Ltd.; Wooroung Co., Ltd
 (11) AU-A-2022316518
 (21) 2022316518 (22) 24.10.2022
 (54) Reactor and carbonation equipment having same
 (51) Int. Cl.
C01F 11/18 (2006.01)
B01J 8/12 (2006.01)
B01J 8/22 (2006.01)
 (31) 10-2021-0185780 (32) 23.12.21 (33) KR
 (43) 13.07.2023
 (72) KIM, Cheol Hyun; SUNG, Dae Jin; LEE, Jeong Won; CHUNG, Yong Kwon; YUN, Byung Kwon; LEE, Sang Hoon; RYU, Jeon Yel; LEE, Seun Ho
 (74) Spruson & Ferguson

(71) I.C. Medical, Inc.
 (11) AU-A-2023204127
 (21) 2023204127 (22) 28.06.2023
 (54) Ultrapolar electrosurgery blade and ultrapolar electrosurgery blade assembly with conductive cutting edges and top and bottom conductive surfaces
 (51) Int. Cl.
A61B 18/00 (2006.01)
 (43) 13.07.2023
 (62) 2018230707
 (72) Cosmescu, Ioan
 (74) FB Rice Pty Ltd

(71) ICU Medical, Inc.
 (11) AU-A-2023203762
 (21) 2023203762 (22) 15.06.2023
 (54) Sanitizing caps for medical connectors

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(51) Int. Cl.
A61M 25/16 (2006.01)
(43) 13.07.2023
(62) 2017341782
(72) Fangrow, Thomas F.; Afzal, Muhammed Usman
(74) Davies Collison Cave Pty Ltd

(71) IdentFlight International, LLC
(11) AU-A-2023204090
(21) 2023204090 **(22)** 27.06.2023
(54) Imaging array for bird or bat detection and identification
(51) Int. Cl.
G01V 8/10 (2006.01)
G06T 7/00 (2017.01)
G06T 7/20 (2017.01)
G08B 15/00 (2006.01)
(43) 13.07.2023
(62) 2021201585
(72) WENGER, Eric S.; OLIVER, Andrew G.; BABBITT, Victor L.; HIESTER, Thomas R.
(74) Spruson & Ferguson

(71) IdentFlight International, LLC
(11) AU-A-2023204092
(21) 2023204092 **(22)** 27.06.2023
(54) Bird or bat detection and identification for wind turbine risk mitigation
(51) Int. Cl.
G01P 3/36 (2006.01)
G01V 8/10 (2006.01)
G08B 13/181 (2006.01)
G08B 15/00 (2006.01)
(43) 13.07.2023
(62) 2021202273
(72) WENGER, Eric S.; OLIVER, Andrew G.; BABBITT, Victor L.
(74) Spruson & Ferguson

(71) IGT
(11) AU-A-2022291531
(21) 2022291531 **(22)** 22.12.2022
(54) ANONYMOUS PROCUREMENT OF TICKET VOUCHERS
(51) Int. Cl.
G06Q 20/38 (2012.01)
G06Q 50/34 (2012.01)
G07F 17/42 (2006.01)
G07F 19/00 (2006.01)
(31) 17/563,845 **(32)** 28.12.21 **(33)** US
(43) 13.07.2023
(72) Shepherd, Jeffery; Higgins, Kevin
(74) PHILLIPS ORMONDE FITZPATRICK

(71) IGT
(11) AU-A-2023203980
(21) 2023203980 **(22)** 23.06.2023
(54) UPGRADE SYMBOL COLLECTION FOR SKILL-BASED GAMES IN A GAMING SYSTEM
(51) Int. Cl.
A63F 13/45 (2014.01)
G07F 17/34 (2006.01)

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(74) PHILLIPS ORMONDE FITZPATRICK

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(54) Learning device and boiler control sys- tem
(51) Int. Cl.
F22B 35/00 (2006.01)
G06N 20/00 (2019.01)
(43) 13.07.2023
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(74) Davies Collison Cave Pty Ltd

(71) ImmunityBio, Inc.
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(21) 2023203306 **(22)** 26.05.2023
(54) Fc-epsilon CAR
(51) Int. Cl.
C12N 5/0783 (2010.01)
A61K 35/17 (2015.01)
C07K 14/54 (2006.01)
C07K 14/735 (2006.01)
C07K 16/08 (2006.01)
C07K 16/30 (2006.01)
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(11) AU-A-2023203720
(21) 2023203720 **(22)** 14.06.2023
(54) Methods and compositions for consum- ables
(51) Int. Cl.
A23J 1/00 (2006.01)
(43) 13.07.2023
(62) 2021200365
(72) BROWN, Patrick; VRLJIC, Marija; VARADAN, Ranjani; EISEN, Michael; SOLOMATIN, Sergey
(74) Spruson & Ferguson

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(11) AU-A-2023203883
(21) 2023203883 **(22)** 20.06.2023
(54) Ultrasonic surgical handpiece
(51) Int. Cl.
A61B 17/32 (2006.01)
A61M 1/00 (2006.01)
A61B 17/00 (2006.01)
A61B 90/00 (2016.01)

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(54) Expandable intervertebral fusion device
(51) Int. Cl.
A61F 2/44 (2006.01)
(43) 13.07.2023
(62) 2018207289
(72) SHOSHTAEV, Eugene
(74) Spruson & Ferguson

(71) International Aids Vaccine Initiative; Theraclone Sciences, Inc.; The Scripps Research Institute
(11) AU-A-2023204017
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(51) Int. Cl.
C07K 16/10 (2006.01)
A61K 39/118 (2006.01)
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(74) FB Rice Pty Ltd

(71) JCM American Corporation
(11) AU-A-2023203844
(21) 2023203844 **(22)** 19.06.2023
(54) DEVICE, SYSTEM, AND METHOD FOR FACILITATING COMMUNIC- ATIONS BETWEEN ELECTRONIC GAMING MACHINES AND MOBILE DEVICES
(51) Int. Cl.
G07F 17/32 (2006.01)
G06Q 20/32 (2012.01)
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(74) AJ PARK

(71) Joy Global Underground Mining LLC
(11) AU-A-2023203767
(21) 2023203767 **(22)** 15.06.2023
(54) Cutting device and support for same
(51) Int. Cl.
E21C 25/16 (2006.01)
E21C 25/18 (2006.01)
E21C 27/12 (2006.01)
E21C 27/22 (2006.01)

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 A24F 1/10 (2006.01)
 (43) 13.07.2023
 (62) 2021273622
 (72) BOWEN, Adam; XING, Chenyue
 (74) Spruson & Ferguson

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 (54) FLOOR TREATMENT APPARATUS
 (51) Int. Cl.
 A47L 11/14 (2006.01)
 A47L 11/02 (2006.01)
 A47L 11/10 (2006.01)
 A47L 11/12 (2006.01)
 A47L 11/16 (2006.01)
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2023203901 (22) 20.06.2023
 (54) MICROALGAE INCUBATOR FOR PRODUCTION OF BIOFUEL
 (51) Int. Cl.
 C12M 1/04 (2006.01)
 C12M 1/02 (2006.01)
 (43) 13.07.2023
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 (74) Acacia Law

(71) Komatsu Ltd.
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 (54) Construction method, work machine control system, and work machine
 (51) Int. Cl.
 E02F 9/20 (2006.01)
 E02F 9/26 (2006.01)
 G01C 11/06 (2006.01)
 G01C 15/00 (2006.01)
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 (54) Control system of unmanned vehicle and control method of unmanned vehicle
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 G05D 1/02 (2020.01)
 B60W 30/14 (2006.01)
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 (54) Wireless medical imaging system
 (51) Int. Cl.
 A61B 1/07 (2006.01)
 A61B 1/045 (2006.01)
 A61B 1/06 (2006.01)
 A61B 18/24 (2006.01)
 H04N 7/18 (2006.01)
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 (54) MOBILE ELECTRIC LEAKAGE DETECTION DEVICE AND METHOD
 (51) Int. Cl.
 G01R 31/02 (2006.01)
 (43) 13.07.2023
 (62) 2021204242
 (72) Lee, Hyun Chang
 (74) AJ PARK

(71) LG Electronics Inc.
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 (54) Dishwasher
 (51) Int. Cl.
 A47L 15/42 (2006.01)
 A47L 15/22 (2006.01)
 B05B 3/02 (2006.01)
 (31) 10-2021-0187689 (32) 24.12.21 (33) KR
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 (74) FB Rice Pty Ltd

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 (54) Laundry treating apparatus
 (51) Int. Cl.
 D06F 29/00 (2006.01)
 D06F 34/28 (2020.01)
 D06F 39/12 (2006.01)
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 (54) METHOD FOR TRANSFORM-BASED IMAGE CODING AND APPARATUS THEREFOR
 (51) Int. Cl.
 H04N 19/61 (2014.01)
 H04N 19/11 (2014.01)
 H04N 19/18 (2014.01)
 H04N 19/186 (2014.01)
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 H04N 19/70 (2014.01)
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 (54) Cleaner
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 A47L 9/28 (2006.01)
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 (54) REFRIGERATOR AND CONTROL METHOD THEREFOR
 (51) Int. Cl.
 F25D 11/00 (2006.01)
 F25C 1/18 (2006.01)
 F25C 1/24 (2018.01)
 F25C 5/02 (2006.01)
 F25D 21/00 (2006.01)
 F25D 21/08 (2006.01)
 F25D 25/02 (2006.01)
 F25D 29/00 (2006.01)
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 (54) REFRIGERATOR AND METHOD FOR CONTROLLING SAME
 (51) Int. Cl.
F25D 11/00 (2006.01)
F25C 1/18 (2006.01)
F25C 1/24 (2018.01)
F25C 5/02 (2006.01)
F25D 25/02 (2006.01)
F25D 29/00 (2006.01)
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 (74) Dentons Patent Attorneys Australasia Limited

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 (54) LAUNDRY TREATING APPARATUS
 (51) Int. Cl.
D06F 29/00 (2006.01)
D06F 34/34 (2020.01)
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 (54) Laundry treatment apparatus
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H05K 5/00 (2006.01)
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 (54) TABLE
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A47B 3/091 (2006.01)
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 (74) Griffith Hack

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 (54) Hot swap condenser for immersion cooling
 (51) Int. Cl.
H05K 7/20 (2006.01)

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 (72) LAU, Kar-Wing
 (74) Spruson & Ferguson

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 (21) 2023204095 (22) 27.06.2023
 (54) Cerebral Spinal Fluid Shunt Plug
 (51) Int. Cl.
A61M 1/00 (2006.01)
A61M 25/00 (2006.01)
A61M 25/18 (2006.01)
A61M 27/00 (2006.01)
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G06Q 50/02 (2012.01)
G01N 33/497 (2006.01)
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 (74) Dennemeyer & Associates

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 (54) Proportional Flow Control Valve
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F16K 31/04 (2006.01)
F16K 1/32 (2006.01)
F16K 11/02 (2006.01)
F16K 27/04 (2006.01)
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 (51) Int. Cl.
H04J 14/00 (2006.01)
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 (74) Davies Collison Cave Pty Ltd

(71) MAKO Surgical Corp.
 (11) AU-A-2023203914

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 (54) Systems and methods for generating customized haptic boundaries
 (51) Int. Cl.
A61B 34/10 (2016.01)
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 (74) FB Rice Pty Ltd

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 (54) CRANE FALL PROTECTION SYSTEM
 (51) Int. Cl.
B66C 23/88 (2006.01)
B60P 3/28 (2006.01)
E04G 1/06 (2006.01)
E04G 5/00 (2006.01)
E04G 21/32 (2006.01)
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(71) Massachusetts Institute of Technology; The Broad Institute, Inc.; President and Fellows of Harvard College
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 (54) Novel Type VI CRISPR orthologs and systems
 (51) Int. Cl.
C12N 15/11 (2006.01)
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 (74) FPA Patent Attorneys Pty Ltd

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 (54) Laser assisted metallization process for solar cell stringing
 (51) Int. Cl.
H01L 31/18 (2006.01)
H01L 31/02 (2006.01)
H01L 31/05 (2014.01)
H01L 31/072 (2012.01)
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E05B 65/00 (2006.01)
A47B 88/50 (2017.01)
A47B 95/02 (2006.01)
E05B 65/46 (2017.01)
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 (74) Adams Pluck
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G06T 7/00 (2017.01)
H04N 13/106 (2018.01)
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 (54) MOTOR WINDING DESIGN FOR AN ELECTRIC MOTOR
 (51) Int. Cl.
H02K 1/14 (2006.01)
H02K 3/28 (2006.01)
H02K 3/52 (2006.01)
H02K 5/22 (2006.01)
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B65G 53/66 (2006.01)
G05D 7/06 (2006.01)
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B07C 5/34 (2006.01)
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A47L 25/00 (2006.01)
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 (51) Int. Cl.
G06Q 10/02 (2012.01)
G06Q 10/08 (2023.01)
G06Q 50/30 (2012.01)
G08G 1/00 (2006.01)
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 (51) Int. Cl.
G01R 31/36 (2020.01)
G01R 31/367 (2019.01)
H01M 10/42 (2006.01)
H02J 7/00 (2006.01)
 (31) 202111632544.6 (32) 28.12.21 (33) CN
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 (54) Car library and scFv manufacturing method
 (51) Int. Cl.
C07K 14/47 (2006.01)
C07K 14/705 (2006.01)
C07K 16/00 (2006.01)
C07K 16/46 (2006.01)
C07K 19/00 (2006.01)
C12N 1/15 (2006.01)
C12N 1/19 (2006.01)
C12N 1/21 (2006.01)
C12N 5/0783 (2010.01)
C12N 5/10 (2006.01)
C12N 15/13 (2006.01)
C12N 15/62 (2006.01)
C12P 21/02 (2006.01)
C12P 21/08 (2006.01)
C12Q 1/02 (2006.01)
C12Q 1/04 (2006.01)
C40B 30/04 (2006.01)
C40B 40/08 (2006.01)
C40B 40/10 (2006.01)
C40B 50/06 (2006.01)
G01N 33/531 (2006.01)
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 (62) 2020218446
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 (74) Spruson & Ferguson
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 (11) AU-A-2023203974
 (21) 2023203974 (22) 23.06.2023
 (54) Devices, systems, and methods for specializing, monitoring, and/or evaluating therapeutic nasal neuromodulation
 (51) Int. Cl.
A61B 5/00 (2006.01)
A61B 5/053 (2021.01)
A61B 18/00 (2006.01)
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 (74) FB Rice Pty Ltd
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 (11) AU-A-2023203891
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 (54) BRINE DISPERSAL SYSTEM
 (51) Int. Cl.
C02F 1/44 (2023.01)
B01D 61/02 (2006.01)
B01D 61/08 (2006.01)
B01F 23/231 (2022.01)
E02B 1/00 (2006.01)
 (43) 13.07.2023
 (62) 2018219332
 (72) Bergstrom, Robert A.
 (74) Halfords IP

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(71) Nevro Corp.
 (11) AU-A-2023204099
 (21) 2023204099 (22) 27.06.2023
 (54) SYSTEMS AND METHODS FOR EXTENDING THE LIFE OF AN IMPLANTED PULSE GENERATOR BATTERY
 (51) Int. Cl.
A61N 1/08 (2006.01)
A61N 1/32 (2006.01)
H02J 7/00 (2006.01)
 (43) 13.07.2023
 (62) 2020257096
 (72) Parker, Jon
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Nicoventures Trading Limited
 (11) AU-A-2023203968
 (21) 2023203968 (22) 23.06.2023
 (54) Aerosol provision device
 (51) Int. Cl.
A24F 40/10 (2020.01)
A24F 40/20 (2020.01)
A24F 40/465 (2020.01)
 (43) 13.07.2023
 (62) 2020235035
 (72) SAYED, Ashley John; THORSEN, Mitchel; WARREN, Luke James
 (74) Spruson & Ferguson

(71) Nicoventures Trading Limited
 (11) AU-A-2023204003
 (21) 2023204003 (22) 23.06.2023
 (54) Apparatus for an aerosol generating device
 (51) Int. Cl.
A24F 40/465 (2020.01)
A24F 40/50 (2020.01)
A24F 40/57 (2020.01)
H02M 7/48 (2007.01)
H05B 6/06 (2006.01)
H05B 6/10 (2006.01)
 (43) 13.07.2023
 (62) 2020303356
 (72) WHITE, Julian; HORROD, Martin
 (74) Spruson & Ferguson

(71) Nicoventures Trading Limited
 (11) AU-A-2023204010
 (21) 2023204010 (22) 26.06.2023
 (54) Aerosol provision device
 (51) Int. Cl.
A24F 40/40 (2020.01)
 (43) 13.07.2023
 (62) 2020235043
 (72) BLANDINO, Thomas Paul; SAYED, Ashley John; THORSEN, Mitchel; WARREN, Luke James
 (74) Spruson & Ferguson

(71) Nicoventures Trading Limited
 (11) AU-A-2023204016
 (21) 2023204016 (22) 26.06.2023
 (54) Aerosol generating system

(51) Int. Cl.
A24F 40/485 (2020.01)
A24F 40/30 (2020.01)
A24F 40/42 (2020.01)
 (43) 13.07.2023
 (62) 2020250957
 (72) MOLONEY, Patrick
 (74) Spruson & Ferguson

(71) Nicoventures Trading Limited
 (11) AU-A-2023204025
 (21) 2023204025 (22) 26.06.2023
 (54) Aerosol provision device
 (51) Int. Cl.
A24F 40/40 (2020.01)
A24F 40/46 (2020.01)
A24F 40/70 (2020.01)
A24F 40/20 (2020.01)
 (43) 13.07.2023
 (62) 2020235045
 (72) SAYED, Ashley John; THORSEN, Mitchel; WARREN, Luke James
 (74) Spruson & Ferguson

(71) Nicoventures Trading Limited
 (11) AU-A-2023204089
 (21) 2023204089 (22) 27.06.2023
 (54) Aerosol generating system
 (51) Int. Cl.
A24F 7/00 (2006.01)
A24F 40/30 (2020.01)
A24F 40/40 (2020.01)
A24F 40/465 (2020.01)
A24F 42/10 (2020.01)
 (43) 13.07.2023
 (62) 2020253980
 (72) MOLONEY, Patrick
 (74) Spruson & Ferguson

(71) Nokia Technologies Oy
 (11) AU-A-2023203794
 (21) 2023203794 (22) 16.06.2023
 (54) Reporting beam failure
 (51) Int. Cl.
H04W 72/04 (2023.01)
 (43) 13.07.2023
 (62) 2019351162
 (72) KOSKELA, Timo; TURTINEN, Samuli; WU, Chunli; ENESCU, Mihai; HAKOLA, Sami
 (74) Spruson & Ferguson

(71) Nokia Technologies Oy
 (11) AU-A-2023203813
 (21) 2023203813 (22) 19.06.2023
 (54) User data transport over control plane in communication system using designated payload container types
 (51) Int. Cl.
H04W 4/70 (2018.01)
 (43) 13.07.2023
 (62) 2020322086
 (72) LIU, Jennifer J-N.
 (74) Spruson & Ferguson

Nortje, B.E. see Viljoen, A.J.J.

(21) 2023203936

 (71) Novartis AG
 (11) AU-A-2023203751
 (21) 2023203751 (22) 15.06.2023
 (54) PHARMACEUTICAL COMBINATION COMPRISING TNO155 AND RIBOCICLIB
 (51) Int. Cl.
A61K 31/497 (2006.01)
A61K 31/00 (2006.01)
A61K 31/519 (2006.01)
A61P 35/00 (2006.01)
 (43) 13.07.2023
 (62) 2020222296
 (72) CHEN, Ying-nan Pan; HAO, Huaixiang; LIU, Chen; MOHSENI, Morvarid
 (74) Davies Collison Cave Pty Ltd

(71) Novartis AG
 (11) AU-A-2023203933
 (21) 2023203933 (22) 21.06.2023
 (54) Formulations of 4-(7-hydroxy-2-isopropyl-4-oxo-4H-quinazolin-3-yl)-benzotriazole
 (51) Int. Cl.
A61K 9/10 (2006.01)
A61K 9/00 (2006.01)
A61K 31/517 (2006.01)
A61P 27/02 (2006.01)
 (43) 13.07.2023
 (62) 202220957
 (72) BULLOCK, Joseph Paul; MAHESH-WARI, Chinmay; MEDLEY, Quintus; MOGI, Muneto; MONTECHI-PALMER, Michela; STASI, Kalliopi
 (74) Davies Collison Cave Pty Ltd

(71) Novartis AG
 (11) AU-A-2023204098
 (21) 2023204098 (22) 27.06.2023
 (54) Dosage regimen of an S1P receptor modulator
 (51) Int. Cl.
A61K 31/137 (2006.01)
A61P 11/06 (2006.01)
A61P 37/06 (2006.01)
 (43) 13.07.2023
 (62) 2020204079
 (72) Boulton, Craig; Burtin, Pascale; David, Olivier; De Vera, Ana; Dumortier, Thomas; Hunt, Irene; Schmouder, Robert
 (74) Davies Collison Cave Pty Ltd

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 (21) 2023203605

(71) NR ELECTRIC CO., LTD; NR ENGINEERING CO., LTD
 (11) AU-A-2023204100
 (21) 2023204100 (22) 27.06.2023
 (54) Valve Tower Reinforcing Structure And Reinforcing Method

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- (51) Int. Cl.
H02B 5/00 (2006.01)
H02J 3/36 (2006.01)
- (43) 13.07.2023
(62) 2022204069
(72) YU, Haibo; ZHANG, Xiaobo; GAO, Biao; LIU, Bin; REN, Chenxi; ZHANG, Weiwei
(74) WRAYS PTY LTD
-
- NR ENGINEERING CO., LTD see NR ELECTRIC CO., LTD**
(21) 2023204100
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- (71) Nuctech Company Limited
(11) AU-A-2022291582
(21) 2022291582 (22) 22.12.2022
(54) INSPECTION APPARATUS
(51) Int. Cl.
G01N 23/10 (2018.01)
B65G 15/00 (2006.01)
B65G 43/02 (2006.01)
B65G 43/06 (2006.01)
B65G 43/08 (2006.01)
G01N 23/046 (2018.01)
- (31) 202111636159.9 (32) 29.12.21 (33) CN
(43) 13.07.2023
(72) HUANG, Qingping; HONG, Mingzhi; WANG, Zinan; ZHANG, Liguo
(74) Wallington-Dummer
-
- (71) Nuctech Company Limited
(11) AU-A-2022291598
(21) 2022291598 (22) 23.12.2022
(54) Transfer device and inspection apparatus
(51) Int. Cl.
B65G 15/10 (2006.01)
B65G 15/30 (2006.01)
B65G 21/20 (2006.01)
- (31) 202111633627.7 (32) 29.12.21 (33) CN
(43) 13.07.2023
(72) HUANG, Qingping; HONG, Mingzhi; WANG, Zinan; ZHANG, Liguo
(74) FB Rice Pty Ltd
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- (71) Ocado Innovation Limited
(11) AU-A-2023203787
(21) 2023203787 (22) 16.06.2023
(54) Storage systems and methods
(51) Int. Cl.
B65G 1/04 (2006.01)
- (43) 13.07.2023
(62) 2017347684
(72) Clarke, Paul; Ingram-Tedd, Andrew John; Lindbo, Lars Sverker Ture
(74) Griffith Hack
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- (71) Otonexus Medical Technologies, Inc.
(11) AU-A-2023203995
(21) 2023203995 (22) 23.06.2023
(54) INFRARED OTOSCOPE FOR CHARACTERIZATION OF EFFUSION
(51) Int. Cl.
A61B 5/12 (2006.01)
A61B 1/06 (2006.01)
- A61B 1/07** (2006.01)
A61B 1/32 (2006.01)
G01B 9/02 (2022.01)
- (43) 13.07.2023
(62) 2018275544
(72) Moehring, Mark; Chesavage, Jay A.; Gates, George A.; Kreindler, Daniel
(74) AJ PARK
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- (71) OXTI CORPORATION
(11) AU-A-2021290419
(21) 2021290419 (22) 29.12.2021
(54) CHUCK STRUCTURE
(51) Int. Cl.
B25B 5/12 (2006.01)
B25B 11/00 (2006.01)
- (43) 13.07.2023
(72) Ho, Chih-Feng
(74) Alfred Lei
-
- (71) Pall Corporation
(11) AU-A-2022291655
(21) 2022291655 (22) 28.12.2022
(54) Connector with rotatable tube
(51) Int. Cl.
F16L 37/244 (2006.01)
A61M 39/10 (2006.01)
F16L 5/00 (2006.01)
F16L 17/06 (2006.01)
F16L 19/02 (2006.01)
F16L 21/00 (2006.01)
F16L 37/084 (2006.01)
- (31) 17/563,790 (32) 28.12.21 (33) US
(43) 13.07.2023
(72) DURRANT, Simon Phillip; BOWDERY, Danniell; KESSELAAR, Daniel James
(74) Spruson & Ferguson
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- (71) Pall Corporation
(11) AU-A-2022291661
(21) 2022291661 (22) 28.12.2022
(54) Fluid connector
(51) Int. Cl.
F16L 37/12 (2006.01)
A61M 39/10 (2006.01)
F16L 17/06 (2006.01)
F16L 21/00 (2006.01)
F16L 37/098 (2006.01)
F16L 37/252 (2006.01)
F16L 37/26 (2006.01)
H01R 13/02 (2006.01)
- (31) 17/563,880 (32) 28.12.21 (33) US
(43) 13.07.2023
(72) HARTRIDGE, Thomas James; ULIANA, Davi; KESSELAAR, Daniel J.
(74) Spruson & Ferguson
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- (71) Pall Corporation
(11) AU-A-2022291662
(21) 2022291662 (22) 28.12.2022
(54) Fluid connector with slidable member
(51) Int. Cl.
F16K 11/065 (2006.01)
A61M 39/10 (2006.01)
F16L 37/084 (2006.01)
F16L 37/256 (2006.01)
- (31) 17/563,842 (32) 28.12.21 (33) US
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- (43) 13.07.2023
(72) HARTRIDGE, Thomas James; ULIANA, Davi; KESSELAAR, Daniel J.
(74) Spruson & Ferguson
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- Politecnico di Milano see Prysmian S.p.A.**
(21) 2022279440
-
- (71) Precision Planting LLC
(11) AU-A-2023203992
(21) 2023203992 (22) 23.06.2023
(54) Agricultural trench depth systems, methods, and apparatus
(51) Int. Cl.
A01B 63/111 (2006.01)
A01B 49/06 (2006.01)
A01B 63/114 (2006.01)
A01B 79/00 (2006.01)
A01C 5/06 (2006.01)
A01C 7/06 (2006.01)
- (43) 13.07.2023
(62) 2021290412
(72) SLONEKER, Dillon; SWANSON, Todd; KOCH, Dale
(74) Spruson & Ferguson
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- (71) Precision Planting LLC
(11) AU-A-2023204077
(21) 2023204077 (22) 27.06.2023
(54) Yield monitoring apparatus, systems, and methods
(51) Int. Cl.
G01D 1/00 (2006.01)
G06M 11/04 (2006.01)
- (43) 13.07.2023
(62) 2022201344
(72) STRNAD, Michael D.; KOCH, Justin L.
(74) Spruson & Ferguson
-
- President and Fellows of Harvard College see Massachusetts Institute of Technology**
(21) 2023204078
-
- (71) Pride Mobility Products Corporation
(11) AU-A-2023203610
(21) 2023203610 (22) 09.06.2023
(54) ELEVATED HEIGHT WHEELCHAIR
(51) Int. Cl.
A61G 5/04 (2013.01)
A61G 5/06 (2006.01)
A61G 5/10 (2006.01)
A61G 5/12 (2006.01)
- (43) 13.07.2023
(62) 2020200761
(72) MULHERN, James P.; ANTONISHAK, Stephen J.
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71) Prysmian S.p.A.; Politecnico di Milano
(11) AU-A-2022279440
(21) 2022279440 (22) 30.11.2022
(54) Flame-retardant cable with self-extinguishing layer
(51) Int. Cl.

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C08K 3/016 (2018.01)
C08L 23/06 (2006.01)
C08L 23/08 (2006.01)
C09K 21/06 (2006.01)
C09K 21/14 (2006.01)
H01B 3/30 (2006.01)
H01B 7/29 (2006.01)
H01B 7/295 (2006.01)
(31) 102021000032810 **(32)** 28.12.21 **(33)** IT
(43) 13.07.2023
(72) Roda, Elena; Gambarotti, Cristian;
 Truscello, Ada; Galletti, Franco
(74) Davies Collison Cave Pty Ltd

(71) Qualcomm Incorporated
(11) AU-A-2023203846
(21) 2023203846 **(22)** 19.06.2023
(54) SYSTEMS AND METHODS FOR
 DOWNLINK CONTROL INFORMATION
 FORMAT SIZING
(51) Int. Cl.
H04L 5/00 (2006.01)
H04W 72/12 (2023.01)
H04L 1/00 (2006.01)
H04W 72/04 (2023.01)
(43) 13.07.2023
(62) 2019240408
(72) LEE, Heechoon; ANG, Peter Pui Lok;
 CHEN, Wanshi; XU, Huilin; SUN, Jing;
 LUO, Tao
(74) Madderns Pty Ltd

(71) Qualcomm Incorporated
(11) AU-A-2023203870
(21) 2023203870 **(22)** 20.06.2023
(54) SYSTEMS AND METHODS FOR
 DOWNLINK CONTROL INFORMATION
 FORMAT SIZING
(51) Int. Cl.
H04L 5/00 (2006.01)
H04W 72/12 (2023.01)
H04L 1/00 (2006.01)
H04W 72/04 (2023.01)
(43) 13.07.2023
(62) 2019240408
(72) LEE, Heechoon; ANG, Peter Pui Lok;
 CHEN, Wanshi; XU, Huilin; SUN, Jing;
 LUO, Tao
(74) Madderns Pty Ltd

(71) QuiaPEG Pharmaceuticals AB
(11) AU-A-2023203884
(21) 2023203884 **(22)** 20.06.2023
(54) Functionalized polymers
(51) Int. Cl.
C07F 9/09 (2006.01)
C07F 9/165 (2006.01)
C07F 9/24 (2006.01)
C08G 81/00 (2006.01)
(43) 13.07.2023
(62) 2021203182
(72) KWIATKOWSKI, Marek
(74) Spruson & Ferguson

(71) Rapoport, B.
(11) AU-A-2023203744
(21) 2023203744 **(22)** 15.06.2023

(54) INTRADURAL NEURAL ELECTRODES
(51) Int. Cl.
A61N 1/05 (2006.01)
A61B 5/24 (2021.01)
A61B 5/291 (2021.01)
(43) 13.07.2023
(62) 2020234581
(72) RAPOPORT, Benjamin I.
(74) Griffith Hack

(71) Redbud Labs, Inc.; The University of
 North Carolina at Chapel Hill
(11) AU-A-2023203437
(21) 2023203437 **(22)** 01.06.2023
(54) System, Fluidics Cartridge, And Meth-
 ods For Using Actuated Surface-At-
 tached Posts For Processing Cells
(51) Int. Cl.
B01L 3/00 (2006.01)
C12Q 1/68 (2018.01)
(43) 13.07.2023
(62) 2018244192
(72) Spero, Richard Chasen; Fisher, Jay
 Kenneth; Superfine, Richard
(74) James & Wells Intellectual Property

(71) Relievent Medsystems, Inc.
(11) AU-A-2023204019
(21) 2023204019 **(22)** 26.06.2023
(54) Systems and methods for creating
 curved paths through bone and modu-
 lating nerves within the bone
(51) Int. Cl.
A61B 17/16 (2006.01)
A61B 17/34 (2006.01)
A61B 17/56 (2006.01)
A61B 17/70 (2006.01)
A61B 18/12 (2006.01)
(43) 13.07.2023
(62) 2021200382
(72) PATEL, Samit; PELLEGRINO, Richard;
 FLAGLER, Robert
(74) FB Rice Pty Ltd

(71) Requisite Enrolment Solutions Pty Ltd
(11) AU-A-2023203872
(21) 2023203872 **(22)** 20.06.2023
(54) DATA STRUCTURE FOR CUR-
 RICULUM MANAGEMENT
(51) Int. Cl.
G06Q 50/20 (2012.01)
G06Q 10/04 (2023.01)
(43) 13.07.2023
(62) 2020406669
(72) ASHFORD, Graham
(74) IP Flourish

(71) ResMed Pty Ltd
(11) AU-A-2023203746
(21) 2023203746 **(22)** 15.06.2023
(54) VENT AND VENT ADAPTOR FOR PA-
 TIENT INTERFACE
(51) Int. Cl.
A61M 16/20 (2006.01)
A61M 16/06 (2006.01)
A61M 16/08 (2006.01)

A61M 39/24 (2006.01)
A62B 9/02 (2006.01)
A62B 18/10 (2006.01)
F16K 15/14 (2006.01)
(43) 13.07.2023
(62) 2017329112
(72) DANTANARAYANA, Muditha Pradeep;
 FINCH, Charles Harry; FORMICA,
 Justin John; JONES, Richard Llewelyn;
 ORMROD, Joseph Samuel; WEHBEH,
 Jamie Graeme; TAN, Chia Ik
(74) Halfords IP

(71) Retrotope, Inc.
(11) AU-A-2023204024
(21) 2023204024 **(22)** 26.06.2023
(54) SITE-SPECIFIC ISOTOPIIC LABELING
 OF 1, 4-DIENE SYSTEMS
(51) Int. Cl.
C07C 317/04 (2006.01)
C07C 69/67 (2006.01)
C07C 381/00 (2006.01)
(43) 13.07.2023
(62) 2021225202
(72) Vidovic, Dragoslav; Shchepinov, Mikhail
 Sergeevich
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Sage Therapeutics, Inc.
(11) AU-A-2023204015
(21) 2023204015 **(22)** 26.06.2023
(54) 3,3 Disubstituted 19-nor pregnane com-
 pounds, compositions, and uses thereof
(51) Int. Cl.
C07J 5/00 (2006.01)
A61K 31/57 (2006.01)
A61K 31/573 (2006.01)
A61K 31/58 (2006.01)
A61P 25/00 (2006.01)
C07J 7/00 (2006.01)
C07J 31/00 (2006.01)
C07J 43/00 (2006.01)
(43) 13.07.2023
(62) 2021204782
(72) UPASANI, Ravindra B.; HARRISON,
 Boyd L.; SALITURO, Francesco G.;
 ASKEW, Benny C.; ROBICHAUD, Al-
 bert J.
(74) Spruson & Ferguson

(71) Samsung Electronics Co., Ltd.
(11) AU-A-2023204072
(21) 2023204072 **(22)** 26.06.2023
(54) Module comprising antenna and RF
 element, and base station including
 same
(51) Int. Cl.
H01Q 1/38 (2006.01)
H01Q 1/02 (2006.01)
H01Q 1/24 (2006.01)
H01Q 9/04 (2006.01)
H04Q 1/02 (2006.01)
(43) 13.07.2023
(62) 2018388526
(72) BAEK, Kwanghyun; KO, Seungtae;
 KIM, Kijoon; SON, Juho; LEE, Sangho;
 LEE, Youngju; LEE, Jungyub; CHEON,
 Yonghun; HA, Dohyuk
(74) Griffith Hack

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Samsung Life Public Welfare Foundation
see **Genzyme Corporation**
(21) 2023204116

(71) Schneider Electric Systems USA, Inc.
(11) AU-A-2022287671
(21) 2022287671 (22) 16.12.2022
(54) DETECTING EVENTS IN PROGRESS-
ING CAVITY PUMP OPERATION AND
MAINTENANCE BASED ON ANOM-
ALY AND DRIFT DETECTION
(51) Int. Cl.
G05B 23/02 (2006.01)
G05B 19/045 (2006.01)
G06F 15/00 (2006.01)
G08B 21/18 (2006.01)
G08B 29/18 (2006.01)
H04L 67/025 (2022.01)
(31) 17/564,095 (32) 28.12.21 (33) US
(43) 13.07.2023
(72) Boguslawski, Bartosz; Bis-
suel-Beauvais, Loryne; Boujonnier,
Matthieu
(74) Madderns Pty Ltd

(71) Scholar Rock, Inc.
(11) AU-A-2023203922
(21) 2023203922 (22) 21.06.2023
(54) Anti-pro/latent-Myostatin antibodies and
uses thereof
(51) Int. Cl.
C07K 16/22 (2006.01)
A61K 39/395 (2006.01)
A61K 39/00 (2006.01)
(43) 13.07.2023
(62) 2016323447
(72) Carven, Gregory J.; Straub, Michelle;
Donovan, Adriana; Turner, Katherine
Jane
(74) FB Rice Pty Ltd

(71) Seminis Vegetable Seeds, Inc.
(11) AU-A-2023202701
(21) 2023202701 (22) 02.05.2023
(54) DISEASE RESISTANCE LOCI IN
ONION
(51) Int. Cl.
A01H 5/00 (2018.01)
C12Q 1/68 (2018.01)
(43) 13.07.2023
(62) 2021202284
(72) BLACK, Lowell; CHAN, Eva King-Fan;
COLCOL, Jeneylyne Ferrera; JONES,
Richard; KRAMER, Chad; XIANG,
Wenwen
(74) Griffith Hack

(71) SHAABAN, A.F.; THANDRA, V.
(11) AU-A-2023203834
(21) 2023203834 (22) 19.06.2023
(54) SYSTEM AND METHOD FOR INTER-
COMPANY BILLING PROCESSING
(51) Int. Cl.
G06Q 20/14 (2012.01)
G06Q 30/04 (2012.01)

(43) 13.07.2023
(62) 2021202986
(72) SHAABAN, Ahmed Farouk; THANDRA,
Venkat
(74) Murray Trento & Associates Pty Ltd

SHAABAN, A.F. see THANDRA, V.
(21) 2023203909

(71) SHAABAN, A.F.; THANDRA, V.
(11) AU-A-2023204119
(21) 2023204119 (22) 28.06.2023
(54) TIMEKEEPING AND BILLING TO CRE-
ATE AND MAINTAIN EMPLOYEES
AND INDEPENDENT CONTRACTORS
(51) Int. Cl.
G06Q 10/06 (2023.01)
(43) 13.07.2023
(62) 2021202486
(72) SHAABAN, Ahmed Farouk; THANDRA,
Venkat
(74) Murray Trento & Associates Pty Ltd

(71) Sinai Health System
(11) AU-A-2023203759
(21) 2023203759 (22) 15.06.2023
(54) ALLOGRAFT TOLERANCE WITHOUT
THE NEED FOR SYSTEMIC IMMUNE
SUPPRESSION
(51) Int. Cl.
C12N 15/11 (2006.01)
A61K 35/12 (2015.01)
A61K 35/545 (2015.01)
A61K 38/17 (2006.01)
A61K 39/395 (2006.01)
A61K 48/00 (2006.01)
A61L 27/38 (2006.01)
A61P 37/06 (2006.01)
C07K 14/47 (2006.01)
C12N 15/12 (2006.01)

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(62) 2018285972
(72) Nagy, Andras; Harding, Jeffrey; Nagy,
Kristina
(74) Pizeys Patent and Trade Mark Attor-
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(71) Snap-on Incorporated
(11) AU-A-2023203953
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(54) Ergonomic housing for a power tool
(51) Int. Cl.
B25F 5/02 (2006.01)
(43) 13.07.2023
(62) 2021204599
(72) PATTERSON, Matthew D.; DANCE,
William B.
(74) Griffith Hack

(71) Soft-Tex Group, Inc.
(11) AU-A-2023203466
(21) 2023203466 (22) 02.06.2023
(54) Mattress, cooling pad or mat, mattress
protector
(51) Int. Cl.
A47C 27/15 (2006.01)

A47C 7/74 (2006.01)
A47C 27/14 (2006.01)
A47G 9/10 (2006.01)

(43) 13.07.2023
(62) 2019325424
(72) SMIDERLE, Mark
(74) Griffith Hack

(71) Solar Pile International (HK) Ltd
(11) AU-A-2023204120
(21) 2023204120 (22) 28.06.2023
(54) Screw pile and drive tool
(51) Int. Cl.
E02D 5/56 (2006.01)
(43) 13.07.2023
(62) 2017361126
(72) PLOTKIN, Cayn Murray; PLOTKIN,
Kym Anthony
(74) Spruson & Ferguson

(71) Spark Therapeutics, Inc.
(11) AU-A-2023204029
(21) 2023204029 (22) 26.06.2023
(54) CELL LINE FOR RECOMBINANT
PROTEIN AND/OR VIRAL VECTOR
PRODUCTION
(51) Int. Cl.
C12N 9/22 (2006.01)
A61K 48/00 (2006.01)
C07K 14/705 (2006.01)
C12N 15/62 (2006.01)
C12N 15/85 (2006.01)
(43) 13.07.2023
(62) 2017244133
(72) Zhou, Jingmin; Qu, Guang; Wright,
John Fraser
(74) Pizeys Patent and Trade Mark Attor-
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(71) Stichting Hubrecht Organoid Tech-
nology; Koninklijke Nederlandse
Akademie van Wetenschappen
(11) AU-A-2023203677
(21) 2023203677 (22) 13.06.2023
(54) Immune cell organoid co-cultures
(51) Int. Cl.
G01N 33/50 (2006.01)
C12N 5/09 (2010.01)
(43) 13.07.2023
(62) 2018390960
(72) Kretzschmar, Kai; Bar-Ephraim, Jot-
am Elazar; Clevers, Johannes Carolus;
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Gerhardus Jacob
(74) FPA Patent Attorneys Pty Ltd

(71) STOKELL, B.
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(21) 2022291456 (22) 20.12.2022
(54) A BRACING AND LEVELLING APPAR-
ATUS
(51) Int. Cl.
E04G 21/26 (2006.01)
E04G 25/06 (2006.01)
E04B 1/58 (2006.01)
(31) 2021904228 (32) 23.12.21 (33) AU

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(72) STOKELL, Bradley Robin
(74) AJ PARK

(71) Stryker Corporation
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(54) Surgical garment and methods of donning the same
(51) Int. Cl.
A41D 13/12 (2006.01)
A41D 19/00 (2006.01)
A41D 27/10 (2006.01)
A41D 27/12 (2006.01)
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(72) Eschen, Kevin Paul; Blough, Owen;
Van Nortwick, Matthew
(74) Davies Collison Cave Pty Ltd

(71) Stryker Corporation
(11) AU-A-2023204130
(21) 2023204130 (22) 28.06.2023
(54) Patient support usable with bariatric patients
(51) Int. Cl.
A61G 7/05 (2006.01)
A61G 7/002 (2006.01)
A61G 7/018 (2006.01)
A61G 7/065 (2006.01)
A61G 7/075 (2006.01)
(43) 13.07.2023
(62) 2021204610
(72) Roussy, Richard Brian; Connell, Jason
John; Elku, Joseph Steven David;
Cerny, Jason James; George, Christopher
Alan; Roussy, Joseph William;
Jacob, Christopher Scott; Yusuf, Aleem
(74) Davies Collison Cave Pty Ltd

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(11) AU-A-2021393851
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(54) Electric cooker
(51) Int. Cl.
A47J 37/06 (2006.01)
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(72) OGAWA, Tomoyuki; WADA, Yasuo
(74) Adams Pluck

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(11) AU-A-2023203105
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(54) Substance for treating and/or preventing allergic diseases, and design method and preparation method thereof
(51) Int. Cl.
A61K 45/00 (2006.01)
A23L 33/10 (2016.01)
A23L 33/16 (2016.01)
A61K 31/00 (2006.01)
A61K 33/00 (2006.01)
A61P 37/02 (2006.01)
A61P 37/06 (2006.01)

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(72) DONG, Futian
(74) James & Wells Intellectual Property

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(11) AU-A-2023203739
(21) 2023203739 (22) 15.06.2023
(54) Anchorless intragastric device for treating obesity
(51) Int. Cl.
A61F 5/00 (2006.01)
(43) 13.07.2023
(62) 2021218222
(72) SHARMA, Virender K.; BASUDE, Raghuvveer
(74) Griffith Hack

(71) Syngenta Participations AG
(11) AU-A-2023203612
(21) 2023203612 (22) 09.06.2023
(54) Animal feed compositions and methods of use
(51) Int. Cl.
A23K 20/189 (2016.01)
A23K 50/10 (2016.01)
C12N 9/24 (2006.01)
C12N 15/82 (2006.01)
(43) 13.07.2023
(62) 2018261600
(72) Drouillard, James S.; Horton, Lucas Michael
(74) Davies Collison Cave Pty Ltd

(71) Systems IP Pty Ltd
(11) AU-A-2022291651
(21) 2022291651 (22) 27.12.2022
(54) Universal Connector
(51) Int. Cl.
F16L 15/00 (2006.01)
A63B 5/11 (2006.01)
A63B 17/04 (2006.01)
F16L 25/04 (2006.01)
F16L 37/084 (2006.01)
F16L 37/12 (2006.01)
F16L 41/02 (2006.01)
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(72) Andon, Joe; Yamada, Akira; Williams, Michael
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(21) 2023203784 (22) 16.06.2023
(54) Therapeutic and prophylactic method for tumor treatable with endocrine therapy by combined use of fibroblast growth factor receptor inhibitor with endocrine therapy
(51) Int. Cl.
A61K 31/138 (2006.01)
A61K 31/519 (2006.01)
A61K 31/565 (2006.01)

A61K 45/00 (2006.01)
A61P 35/00 (2006.01)
A61P 43/00 (2006.01)
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(72) HIRAI, Hiroshi; MIURA, Akihiro;
SOOTOME, Hiroshi
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(54) ELECTRIC MOTORS
(51) Int. Cl.
H02K 1/24 (2006.01)
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(72) RUBIN, Matthew J.; PENNINGTON III, Walter Wesley; STEVENSON, Gregory Gordon; AMBRECHT, Adam Daniel; DOS SANTOS Jr., Euzeli Cipriano
(74) Griffith Hack

(71) TAYA CANVAS (SHANGHAI) COMPANY LTD
(11) AU-A-2022202903
(21) 2022202903 (22) 02.05.2022
(54) FABRIC AND MANUFACTURING METHOD THEREOF
(51) Int. Cl.
D06P 3/52 (2006.01)
(31) 202111601962.9 (32) 24.12.21 (33) CN
(43) 13.07.2023
(72) Lin, I-Chien
(74) Collison & Co

(71) Techtronic Cordless GP
(11) AU-A-2022287546
(21) 2022287546 (22) 12.12.2022
(54) Work tool and transmission system thereof
(51) Int. Cl.
B25F 5/00 (2006.01)
B25F 3/00 (2006.01)
F16C 1/02 (2006.01)
G05B 19/045 (2006.01)
H05K 7/20 (2006.01)
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(71) Tencent America LLC
(11) AU-A-2023203749
(21) 2023203749 (22) 15.06.2023
(54) Method for Mixed NAL Unit Type Support in a Coded Picture
(51) Int. Cl.
H04N 19/30 (2014.01)
H04N 19/70 (2014.01)
(43) 13.07.2023
(62) 2020418848
(72) CHOI, Byeongdoo; WENGER, Stephan; LIU, Shan
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 (11) AU-A-2023203753
 (21) 2023203753 (22) 15.06.2023
 (54) METHOD AND APPARATUS FOR VIDEO CODING
 (51) Int. Cl.
G06T 7/00 (2017.01)
 (43) 13.07.2023
 (62) 2020420655
 (72) Li, Ling; Li, Xiang; Liu, Shan
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Tencent America LLC
 (11) AU-A-2023203796
 (21) 2023203796 (22) 16.06.2023
 (54) METHOD AND DEVICE FOR MAXIMUM TRANSFORM SIZE CONTROL FOR ENCODING OF VIDEO SEQUENCE, AND COMPUTER-READABLE MEDIUM
 (51) Int. Cl.
H04N 19/70 (2014.01)
H04N 19/119 (2014.01)
H04N 19/174 (2014.01)
H04N 19/44 (2014.01)
H04N 19/96 (2014.01)
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 (62) 2020233293
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 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Tencent America LLC
 (11) AU-A-2023203803
 (21) 2023203803 (22) 16.06.2023
 (54) Method and Apparatus for Video Coding
 (51) Int. Cl.
H04N 19/105 (2014.01)
H04N 7/12 (2006.01)
H04N 9/47 (2006.01)
H04N 19/11 (2014.01)
H04N 19/70 (2014.01)
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 (72) ZHAO, Liang; ZHAO, Xin; LI, Xiang; LIU, Shan
 (74) Golja Haines & Friend

(71) Tencent America LLC
 (11) AU-A-2023203809
 (21) 2023203809 (22) 16.06.2023
 (54) METHOD AND APPARATUS FOR VIDEO CODING
 (51) Int. Cl.
H04N 19/176 (2014.01)
H04N 19/105 (2014.01)
H04N 19/159 (2014.01)
H04N 19/44 (2014.01)
H04N 19/70 (2014.01)
 (43) 13.07.2023
 (62) 2021252497
 (72) CHOI, Byeongdo; LIU, Shan; WENGER, Stephan
 (74) Griffith Hack

(71) Tencent America LLC
 (11) AU-A-2023203915

(21) 2023203915 (22) 21.06.2023
 (54) METHOD FOR ADAPTATION PARAMETER SET REFERENCE AND CONSTRAINTS IN CODED VIDEO STREAM
 (51) Int. Cl.
H04B 1/66 (2006.01)
 (43) 13.07.2023
 (62) 2020415272
 (72) Choi, Byeongdo; Liu, Shan; Wenger, Stephan
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Tencent America LLC
 (11) AU-A-2023203938
 (21) 2023203938 (22) 22.06.2023
 (54) SIGNALING OF REFERENCE PICTURE RESAMPLING WITH RESAMPLING PICTURE SIZE INDICATION IN VIDEO BITSTREAM
 (51) Int. Cl.
H04N 19/61 (2014.01)
H04N 19/105 (2014.01)
 (43) 13.07.2023
 (62) 2020348214
 (72) Choi, Byeongdo; Wenger, Stephan; Liu, Shan
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Tencent America LLC
 (11) AU-A-2023204004
 (21) 2023204004 (22) 23.06.2023
 (54) METHOD FOR SIGNALING SUBPICTURE PARTITIONING IN CODED VIDEO STREAM
 (51) Int. Cl.
H04N 19/00 (2014.01)
 (43) 13.07.2023
 (62) 2021246616
 (72) CHOI, Byeongdo; LIU, Shan; WENGER, Stephan
 (74) Griffith Hack

(71) Tencent America LLC
 (11) AU-A-2023204022
 (21) 2023204022 (22) 26.06.2023
 (54) Method for Parameter Set Reference Constraints in Coded Video Stream
 (51) Int. Cl.
H04N 19/597 (2014.01)
H04N 19/105 (2014.01)
H04N 19/176 (2014.01)
H04N 19/46 (2014.01)
H04N 19/70 (2014.01)
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 (72) CHOI, Byeongdo; LIU, Shan; WENGER, Stephan
 (74) Golja Haines & Friend

(71) Tesla, Inc.
 (11) AU-A-2023203805
 (21) 2023203805 (22) 16.06.2023
 (54) System and method for improving color appearance of solar roofs
 (51) Int. Cl.
H02S 20/25 (2014.01)

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 (72) LIU, John; KANG, Yangsen; DUONG, Anh N.; CHAE, Yongkee; PADILLA, Milan; WANG, Chen; LABESQUE, Remy D.
 (74) Spruson & Ferguson

(71) Tetrous, Inc.
 (11) AU-A-2023203646
 (21) 2023203646 (22) 10.06.2023
 (54) Demineralized bone fiber implant compositions and methods for augmenting fixation in bone repair
 (51) Int. Cl.
A61F 2/28 (2006.01)
A61B 17/68 (2006.01)
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 (72) CARTER, Andrew J.; PATT, Bradley E.; ANDERSSON, Gunnar; MCRURY, Ian; VERMA, Nikhil; SCARBOROUGH, Nelson L.
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2023203834

(71) THANDRA, V.; SHAABAN, A.F.
 (11) AU-A-2023203909
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 (54) SYSTEM AND METHOD FOR TRACKING EXPENSES AND BILLING
 (51) Int. Cl.
G06Q 10/06 (2023.01)
G06F 17/40 (2006.01)
G06Q 20/14 (2012.01)
 (43) 13.07.2023
 (62) 2021202094
 (72) SHAABAN, Ahmed Farouk; THANDRA, Venkat
 (74) Murray Trento & Associates Pty Ltd

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 (11) AU-A-2023203605
 (21) 2023203605 (22) 09.06.2023
 (54) Using alternating electric fields to increase cell membrane permeability
 (51) Int. Cl.
A61N 1/32 (2006.01)
A61N 1/30 (2006.01)
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(21) 2023204078

(71) The Chamberlain Group LLC
(11) AU-A-2023203904
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(54) Barrier operator feature enhancement
(51) Int. Cl.
G05B 99/00 (2006.01)
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(62) 2021204734
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(74) AJ PARK

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(21) 2023204017

(71) The Regents of The University of California
(11) AU-A-2023203791
(21) 2023203791 (22) 16.06.2023
(54) CONJUGATES OF ACTIVE PHARMACEUTICAL INGREDIENTS
(51) Int. Cl.
C07D 487/22 (2006.01)
A61K 31/555 (2006.01)
C07H 15/24 (2006.01)
(43) 13.07.2023
(62) 2018283383
(72) Li, Yuanpei; Xue, Xiangdong; Huang, Yee; Ma, Zhao
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(21) 2023204017

(71) The Trustees of The University of Pennsylvania
(11) AU-A-2023202680
(21) 2023202680 (22) 02.05.2023
(54) Gene Therapy For Treating Mucopolysaccharidosis Type I
(51) Int. Cl.
C12N 15/86 (2006.01)
A61K 39/00 (2006.01)
A61K 48/00 (2006.01)
C12N 9/24 (2006.01)
(43) 13.07.2023
(62) 2017215211
(72) Hinderer, Christian; Wilson, James M.
(74) WRAYS PTY LTD

(71) The United States of America, as represented by The Secretary, Department of Health and Human Services
(11) AU-A-2023203954
(21) 2023203954 (22) 22.06.2023

(54) TISSUE CLAMP AND IMPLANTATION METHOD
(51) Int. Cl.
A61F 9/007 (2006.01)
A61B 17/04 (2006.01)
A61B 17/08 (2006.01)
A61B 17/122 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK

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(21) 2023203437

(71) Toughbuilt Industries, Inc.
(11) AU-A-2023203982
(21) 2023203982 (22) 23.06.2023
(54) Customizable knee pads and process of forming the same
(51) Int. Cl.
A41D 13/06 (2006.01)
A41C 3/14 (2006.01)
(43) 13.07.2023
(62) 2021204446
(72) Panosian, Michael; Keeler, Joshua
(74) Griffith Hack

(71) Trading Technologies International, Inc.
(11) AU-A-2023203848
(21) 2023203848 (22) 19.06.2023
(54) Tailored messaging
(51) Int. Cl.
G06F 16/23 (2019.01)
G06F 16/11 (2019.01)
G06Q 40/04 (2012.01)
(43) 13.07.2023
(62) 2021290254
(72) BROOKFIELD, Bevan Jacob
(74) Spruson & Ferguson

(71) Travers, A.; Williams, K.
(11) AU-A-2022291572
(21) 2022291572 (22) 22.12.2022
(54) Polymer Concrete Product
(51) Int. Cl.
C04B 26/02 (2006.01)
C04B 26/18 (2006.01)
C04B 111/00 (2006.01)
C04B 111/10 (2006.01)
(31) 2021904249 (32) 23.12.21 (33) AU
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(72) Travers, Alan Frank; Williams, Kenneth Richard
(74) Jones Tulloch

(71) Trigemina, Inc.
(11) AU-A-2023203831
(21) 2023203831 (22) 19.06.2023
(54) MAGNESIUM-CONTAINING OXYTOCIN FORMULATIONS AND METHODS OF USE
(51) Int. Cl.

A61K 9/12 (2006.01)
A61P 25/00 (2006.01)
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(62) 2017250505
(72) Carson, Dean; Yeomans, David C.
(74) AJ PARK

(71) Truphone Limited
(11) AU-A-2023204102
(21) 2023204102 (22) 27.06.2023
(54) Telecommunications Directory Services
(51) Int. Cl.
H04L 29/06 (2006.01)
G06Q 50/00 (2012.01)
H04L 29/12 (2006.01)
(43) 13.07.2023
(62) 2021204338
(72) Faulkner, Robert; Tagg, James; Linford, Adam
(74) Chrysiliou IP

(71) TuSimple, Inc.
(11) AU-A-2023203964
(21) 2023203964 (22) 23.06.2023
(54) System and method for vehicle position and velocity estimation based on camera and lidar data
(51) Int. Cl.
G05D 1/02 (2020.01)
G01S 17/02 (2020.01)
G01S 17/89 (2020.01)
G06T 7/70 (2017.01)
(43) 13.07.2023
(62) 2018256926
(72) LI, Chenyang; HOU, Xiaodi; LIU, Siyuan
(74) FB Rice Pty Ltd

(71) Tussy, K.A.
(11) AU-A-2023203850
(21) 2023203850 (22) 19.06.2023
(54) Facial recognition authentication system including path parameters
(51) Int. Cl.
G06F 21/32 (2013.01)
H04N 7/14 (2006.01)
(43) 13.07.2023
(62) 2021202681
(72) Tussy, Kevin Alan
(74) Davies Collison Cave Pty Ltd

(71) University of Pittsburgh - Of the Commonwealth System of Higher Education
(11) AU-A-2023203780
(21) 2023203780 (22) 16.06.2023
(54) MATRIX BOUND NANOVESICLES AND THEIR USE
(51) Int. Cl.
A61K 9/133 (2006.01)
A61P 17/02 (2006.01)
A61P 35/00 (2006.01)
(43) 13.07.2023
(62) 2017227790
(72) Badylak, Stephen Francis; Huleihel, Luai; Hussey, George S.; Naranjo Gutierrez, Juan Diego
(74) PHILLIPS ORMONDE FITZPATRICK

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 (11) AU-A-2023203000
 (21) 2023203000 (22) 15.05.2023
 (54) Oncolytic virus therapy
 (51) Int. Cl.
C12N 7/01 (2006.01)
C07K 14/47 (2006.01)
C07K 14/52 (2006.01)
C12N 15/09 (2006.01)
 (43) 13.07.2023
 (62) 2018215558
 (72) Guo, Zong Sheng; Bartlett, David; Liu, Zuqiang; Feist, Mathilde
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Valerio, T.
 (11) AU-A-2023204123
 (21) 2023204123 (22) 28.06.2023
 (54) Method and system for recovering metal using a helix separator
 (51) Int. Cl.
B03B 5/56 (2006.01)
B03B 5/52 (2006.01)
B07B 1/24 (2006.01)
 (43) 13.07.2023
 (62) 2017356308
 (72) Valerio, Thomas A.
 (74) FPA Patent Attorneys Pty Ltd

(71) Ventana Medical Systems, Inc.
 (11) AU-A-2023203913
 (21) 2023203913 (22) 21.06.2023
 (54) Quinone methide analog signal amplification
 (51) Int. Cl.
C07C 27/00 (2006.01)
G01N 33/58 (2006.01)
 (43) 13.07.2023
 (62) 2021277605
 (72) BIENIARZ, Christopher; ASH-WORTH-SHARPE, Julia; KELLY, Brian D.; POLASKE, Nathan
 (74) Spruson & Ferguson

(71) VERTEX PHARMACEUTICALS INCORPORATED
 (11) AU-A-2023203944
 (21) 2023203944 (22) 22.06.2023
 (54) MODULATOR OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR, PHARMACEUTICAL COMPOSITIONS, METHODS OF TREATMENT, AND PROCESS FOR MAKING THE MODULATOR
 (51) Int. Cl.
C07D 401/14 (2006.01)
A61K 31/455 (2006.01)
A61P 11/00 (2006.01)
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 (43) 13.07.2023
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 (72) ABELA, Alexander Russell; ALCA-CIO, Timothy; ANDERSON, Corey;

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 (74) AJ PARK

(71) Vibrant Holdings, LLC
 (11) AU-A-2023204047
 (21) 2023204047 (22) 26.06.2023
 (54) Substrates, systems, and methods for nucleic acid array synthesis
 (51) Int. Cl.
C12Q 1/68 (2018.01)
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 (43) 13.07.2023
 (62) 2020264330
 (72) RAJASEKARAN, John J
 (74) FB Rice Pty Ltd

(71) Victaulic Company
 (11) AU-A-2023204115
 (21) 2023204115 (22) 28.06.2023
 (54) Roller set and pipe elements
 (51) Int. Cl.
B21D 17/04 (2006.01)
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 (72) DOLE, Douglas R.
 (74) Spruson & Ferguson

(71) VIDEO GAMING TECHNOLOGIES, INC.
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 (21) 2023203931 (22) 21.06.2023
 (54) METHODS AND SYSTEMS FOR PRESENTING A GAMING-RELATED MESSAGE TO A GAMER IN AN AREA PROXIMATE TO A BEACON ASSOCIATED WITH A CASINO
 (51) Int. Cl.
G07F 17/32 (2006.01)
 (43) 13.07.2023
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 (72) JOHNSON, Ryan Christopher; HYSLER III, Lawrence Acosta
 (74) Griffith Hack

(71) Viljoen, A.J.J.; Nortje, B.E.
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 (21) 2023203936 (22) 22.06.2023

(54) CUSTOM NUTRITIONAL SUPPLEMENT COMPOSITION PRODUCTION SYSTEM AND METHOD
 (51) Int. Cl.
G06Q 50/22 (2018.01)
A23L 2/52 (2006.01)
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 (72) Nortje, Bernard Etienne; Viljoen, Alwyn Johannes Jacobus
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(71) Vitrafy Life Sciences Limited
 (11) AU-A-2022291570
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 (54) Packaging for preservation of biological material
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 (31) 2021904254 (32) 23.12.21 (33) AU
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 (72) Owens, Brent; Cameron, Sean
 (74) Davies Collison Cave Pty Ltd

(71) Viveve, Inc.
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 (54) Methods and systems for treating urinary stress incontinence
 (51) Int. Cl.
A61B 18/02 (2006.01)
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 (72) WILKERSON, Deborah Suzanne; BLACK, David Laurence; TOMASETTI, Perry Joseph; ALLAN, Bruce Baldwin
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 (11) AU-A-2021290323
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 (54) Method and Apparatus for the Simultaneous Production of Hydrogen Based Energy and Clean Water from a Saline or Contaminated Water Source
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 (72) Bellamy, Kenneth Michael
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 (54) Devices for occlusion of an atrial appendage
 (51) Int. Cl.
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 (62) 2021215235
 (72) CENTER, Charles J.; FOX, Aaron D.; KOREY, Nathan C.; SHAW, Edward E.; WEBSTER, Nicholas S.; WHAM, Bret J.; WOLFE, Roark N.; ZELLER, Peter J.
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(71) William Marsh Rice University
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 (54) Surface-based detection of nucleic acid in a convection flow fluidic device
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 (72) Khodakov, Dmitriy A.; Zhang, David
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Wing Aviation LLC
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 (54) Anticipatory dispatch of UAVs to pre-staging locations
 (51) Int. Cl.
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 (72) BLAKE, Jesse; SCHMALZRIED, James; VELEZ, Scott; PRAGER, Andre; TELLER, Eric; NUBBE, Matthew
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(71) Wix.com Ltd.
 (11) AU-A-2023204128
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 (54) System for synchronization of changes in edited websites and interactive applications
 (51) Int. Cl.
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 (72) Goldstein, Yuval; Kaufman, Amit; Hollander, Oren
 (74) FPA Patent Attorneys Pty Ltd

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 (54) Determining ore characteristics
 (51) Int. Cl.
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G06V 10/25 (2022.01)
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 (72) HUNT, Thomas Peter; TREAT, Neil David; DAVIS, Karen; GONCHARUK, Artem; SAHNEY, Vikram Neal
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(71) YADAV, J.
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 (54) A MELLOWED ROSE BREW AND PROCESS FOR PREPARATION THEREOF
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 (72) YADAV, Jayshree
 (74) Baxter Patent Attorneys Pty Ltd

(71) Yamada, K.
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 (54) Paper Cover And Method For Manufacturing Paper Cover
 (51) Int. Cl.
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 (72) Yamada, Kikuo
 (74) WRAYS PTY LTD

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A47J 31/08 (2006.01)
A23F 5/26 (2006.01)
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 (72) Yang, Hyejung
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(54) Saliva Kit for Nucleic Acid Test
 (51) Int. Cl.
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 (31) 202111620553.3 (32) 28.12.21 (33) CN
 (43) 13.07.2023
 (72) Ye, Manyu; Ye, Chaohua
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(71) YETI Coolers, LLC
 (11) AU-A-2023203941
 (21) 2023203941 (22) 22.06.2023
 (54) Insulated container with latch
 (51) Int. Cl.
B65D 45/24 (2006.01)
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 (74) Southern Cross Intellectual Property

(71) ZHONGWEI NEW ENERGY (CHENGDU) CO., LTD.
 (11) AU-A-2022348884
 (21) 2022348884 (22) 28.07.2022
 (54) HETEROJUNCTION SOLAR CELL, PREPARATION METHOD THEREOF AND POWER GENERATION DEVICE
 (51) Int. Cl.
H01L 31/04 (2014.01)
 (31) 202111667805.8 (32) 30.12.21 (33) CN
 (43) 13.07.2023
 (72) LAN, Shihu; ZHANG, Liping; ZHAO, Hui; ZHANG, Haichuan; SHI, Jianhua; FU, Haoxin; MENG, Fanying; LIU, Zhengxin
 (74) James & Wells Intellectual Property

(71) ZHONGWEI NEW ENERGY (CHENGDU) CO., LTD.
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 (54) HETEROJUNCTION SOLAR CELL, PREPARATION METHOD THEREOF AND POWER GENERATION DEVICE
 (51) Int. Cl.
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- (This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

<hr/> <p>(71) Ampan Naturally Pty Ltd (11) AU-A-2016102484 (21) 2016102484 (22) 25.07.2016 (54) PANEL AND METHOD OF PRODUCING A PANEL (51) Int. Cl. <i>E04C 2/16</i> (2006.01) <i>B27N 3/04</i> (2006.01) (45) 13.07.2023 (72) Gorman, John (74) Spruson & Ferguson</p> <hr/> <p>(71) Drewett, B. (11) AU-A-2023100058 (21) 2023100058 (22) 20.06.2023 (54) VOID FORMER FOR USE IN FORMING VOIDS IN CONCRETE STRUCTURES (51) Int. Cl. <i>E04G 11/36</i> (2006.01) <i>E04B 5/32</i> (2006.01) <i>E04G 15/06</i> (2006.01) (45) 13.07.2023 (62) 2018100286 (72) Drewett, Ben (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD</p> <hr/> <p>(71) HIT TEKK PTY LTD (11) AU-A-2023100057 (21) 2023100057 (22) 14.06.2023 (54) A SENSOR-ENABLED PLATFORM CONFIGURED TO MEASURE ATHLETIC ACTIVITY (51) Int. Cl. <i>A63B 24/00</i> (2006.01) <i>A63B 65/06</i> (2006.01) <i>G01L 5/00</i> (2006.01) <i>A63B 71/06</i> (2006.01) <i>G01G 3/13</i> (2006.01) <i>G01L 5/162</i> (2020.01) (45) 13.07.2023 (62) 2021221661 (72) Graham, Mat (74) FORWARD INTELLECTUAL PROPERTY PTY LTD</p> <hr/> <p>(71) Travers, A.; Williams, K. (11) AU-A-2023100056 (21) 2023100056 (22) 13.06.2023 (54) Building Element (2) (51) Int. Cl. <i>E04B 1/04</i> (2006.01) <i>E04B 1/14</i> (2006.01) <i>E04B 1/20</i> (2006.01) <i>E04B 1/30</i> (2006.01) <i>E04B 5/00</i> (2006.01) <i>E04C 2/04</i> (2006.01)</p>	<p><i>E04F 15/08</i> (2006.01) <i>C04B 14/22</i> (2006.01) <i>C04B 26/02</i> (2006.01) (45) 13.07.2023 (62) 2021103675 (72) Travers, Alan; Williams, Kenneth (74) Jones Tulloch</p> <hr/> <p>Williams, K. see Travers, A. (21) 2023100056</p>
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PCT applications which have entered the National Phase

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<p>(71) 1E THERAPEUTICS, LTD. (11) AU-A-2021411103 (21) 2021411103 (22) 28.12.2021 (54) P21 MRNA TARGET AREAS FOR SILENCING (51) Int. Cl. C12N 15/113 (2010.01) (87) WO2022/144882 (31) 63/130,936 (32) 28.12.20 (33) US (43) 07.07.2022 (72) PILPEL, Noam; OVADYA, Yossi; RAICHLIN, Dina; KATZ-KADOSH, Etti; KNANY, Alaa; GILLIS, Ella; BOROVSKY, Noam; SHAPIRO, Anastasia; BACHELET, Ido (74) Griffith Hack</p>	<p>(43) 30.06.2022 (72) JOHANSSON, Magnus S.; MANGAM, Abel Gladstone; HJORT, Patrick R.T.; URBAN, Henning T. (74) FPA Patent Attorneys Pty Ltd</p>	<p>A61K 9/00 (2006.01) A61K 31/4985 (2006.01) (87) WO2022/147073 (31) 63/131,564 (32) 29.12.20 (33) US (43) 07.07.2022 (72) QIU, Yihong; HUANG, Ye; ZHOU, Deliang (74) Spruson & Ferguson</p>
<p>(71) 3B PHARMACEUTICALS GMBH (11) AU-A-2022205523 (21) 2022205523 (22) 07.01.2022 (54) COMPOUNDS COMPRISING A FIBROBLAST ACTIVATION PROTEIN LIGAND AND USE THEREOF (51) Int. Cl. C07K 7/02 (2006.01) A61K 51/08 (2006.01) C07K 7/08 (2006.01) C07K 14/81 (2006.01) C12N 9/48 (2006.01) G01N 33/543 (2006.01) A61K 38/00 (2006.01) (87) WO2022/148843 (31) 63/134,704 (32) 07.01.21 (33) US (43) 14.07.2022 (72) OSTERKAMP, Frank; ZBORALSKI, Dirk; SCHNEIDER, Eberhard; HAASE, Christian; PASCHKE, Matthias; HÖHNE, Aileen; UNGEWISS, Jan; SMERLING, Christiane; REINEKE, Ulrich; BREDENBECK, Anne; VON HACHT, Jan Lennart; WAHSNER-TESCHNER, Jessica (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(71) ABBOTT DIABETES CARE INC. (11) AU-A-2021410547 (21) 2021410547 (22) 15.06.2021 (54) ANALYTE SENSORS WITH REDUCED INTERFERENT SIGNAL AND METHODS (51) Int. Cl. A61B 5/1486 (2006.01) A61B 5/1468 (2006.01) G01N 33/487 (2006.01) (87) WO2022/139876 (31) 63/129,874 (32) 23.12.20 (33) US (43) 30.06.2022 (72) HOSS, Udo; OUYANG, Tianmei; FELDMAN, Benjamin, J.; QIAN, Suyue (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) ABLE INNOVATIONS INC. (11) AU-A-2022207894 (21) 2022207894 (22) 12.01.2022 (54) DEVICES AND METHODS FOR TRANSFERRING AN OBJECT (51) Int. Cl. A61G 7/10 (2006.01) A61L 2/10 (2006.01) (87) WO2022/150915 (31) 63/136,348 (32) 12.01.21 (33) US (43) 21.07.2022 (72) BUI, Ngoc Phuong; CHANG, Philip; VAUGHAN, Trevor Jordan; LEMAY, Alexandre; GUTHRIE, Veronica; SINGH, Jayiesh (74) Dentons Patent Attorneys Australasia Limited</p>
<p>(71) 3M INNOVATIVE PROPERTIES COMPANY (11) AU-A-2021406181 (21) 2021406181 (22) 09.12.2021 (54) HEARING PROTECTION DEVICE, COLLISION WARNING SYSTEM AND METHOD OF RETROFITTING A HEARING PROTECTION DEVICE WITH A DETECTION UNIT (51) Int. Cl. A61F 11/06 (2006.01) A61F 11/08 (2006.01) A61F 11/14 (2006.01) (87) WO2022/137000 (31) 20217109.6 (32) 23.12.20 (33) EP</p>	<p>(71) ABB SCHWEIZ AG (11) AU-A-2020484060 (21) 2020484060 (22) 30.12.2020 (54) METHOD OF INDUSTRIAL PROCESSING OF A BULK MATERIAL (51) Int. Cl. G06Q 10/06 (2023.01) (87) WO2022/144083 (43) 07.07.2022 (72) JANKA, Dennis; BHALODI, Kalpesh; JUHLIN, Prerna; POTSCHKA, Andreas; SCHLAKE, Jan-Christoph (74) Griffith Hack</p>	<p>(71) ABM THERAPEUTICS CORPORATION (11) AU-A-2021401282 (21) 2021401282 (22) 16.12.2021 (54) KINASE INHIBITORS AND USES THEREOF (51) Int. Cl. C07D 205/04 (2006.01) A61K 31/397 (2006.01) A61K 31/40 (2006.01) A61K 31/444 (2006.01) A61K 31/4462 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01) C07D 207/14 (2006.01) C07D 211/56 (2006.01) C07D 401/12 (2006.01) (87) WO2022/133040 (31) 63/126,364 (32) 16.12.20 (33) US (43) 23.06.2022 (72) CHEN, Chen (74) Griffith Hack</p>
<p>(71) ABB SCHWEIZ AG (11) AU-A-2021406104 (21) 2021406104 (22) 16.12.2021 (54) AUTOMATIC IDENTIFICATION OF IMPORTANT BATCH EVENTS (51) Int. Cl. G05B 13/04 (2006.01) G05B 19/418 (2006.01) G06F 9/48 (2006.01) (87) WO2022/136108 (31) 20217000.7 (32) 23.12.20 (33) EP (43) 30.06.2022 (72) HOLLENDER, Martin; SCHMIDT, Benedikt (74) Griffith Hack</p>	<p>(71) ABBVIE INC. (11) AU-A-2021411506 (21) 2021411506 (22) 29.12.2021 (54) EXTENDED RELEASE UPADACITINIB FORMULATIONS (51) Int. Cl. A61K 31/495 (2006.01)</p>	<p>(71) ACADEMIA SINICA (11) AU-A-2021413867 (21) 2021413867 (22) 30.12.2021 (54) CELL CULTURE SYSTEMS, METHODS AND USES THEREOF (51) Int. Cl. C09D 177/04 (2006.01) C08J 7/04 (2020.01) C09D 129/04 (2006.01) C09D 171/02 (2006.01) C12M 1/00 (2006.01)</p>

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(72) CHANG, Ying-Chih
(74) Spruson & Ferguson
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- (71)** ADAPTIVENDO LLC
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(21) 2021382738 **(22)** 23.11.2021
(54) ENDOSCOPE SYSTEM
(51) Int. Cl.
A61B 1/00 (2006.01)
A61B 1/005 (2006.01)
A61B 1/008 (2006.01)
(87) WO2022/109488
(31) 63/117,003 **(32)** 23.11.20 **(33)** US
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 Mark, A.; GOLDENBOGEN, Michael,
 W.; FURNISH, Gregory, R.; CAN-
 FIELD, Nicholas; POWERS, Galen, R.;
 POWERS, Trevor, E.; ADAMS, Sumner,
 E.
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** ADORX THERAPEUTICS LIMITED
(11) AU-A-2021397402
(21) 2021397402 **(22)** 10.12.2021
(54) ANTAGONISTS OF THE ADENOSINE
 A2A RECEPTOR
(51) Int. Cl.
C07D 487/04 (2006.01)
A61K 31/5025 (2006.01)
A61P 35/00 (2006.01)
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(72) MCCARTHY, Clive; MOULTON, Ben-
 jamin
(74) FB Rice Pty Ltd
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- (71)** ADVANCED NEUROMODULATION
 SYSTEMS, INC.
(11) AU-A-2021411980
(21) 2021411980 **(22)** 31.12.2021
(54) SYSTEM AND METHOD FOR CON-
 TROLLING NEUROSTIMULATION AC-
 CORDING TO USER ACTIVITY DE-
 TECTED THROUGH PATIENT USE OF
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A61N 1/372 (2006.01)
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(72) CRAWFORD, Christopher, S., L.
(74) Pizzeys Patent and Trade Mark Attor-
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(54) VERTICALLY INTEGRATED MANU-
 FACTURING OF SILICA AEROGELS
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C01B 33/158 (2006.01)
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(72) DE POOTER, Steve; STEINER,
 Stephen, A., Iii; GRIFFIN, Justin S.
(74) WRAYS PTY LTD
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- (71)** AESCULAP AG
(11) AU-A-2021386707
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(54) METHOD FOR CAPTURING COM-
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(51) Int. Cl.
G16H 10/60 (2018.01)
G06K 19/06 (2006.01)
G06Q 10/08 (2023.01)
G16H 20/10 (2018.01)
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(72) KOCH, Jan; VITR, Mirco
(74) Pizzeys Patent and Trade Mark Attor-
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 TION OF TISSUE REGENERATION IN
 MICROBIOPSIES
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A61L 27/54 (2006.01)
C12N 5/00 (2006.01)
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(72) WEST, Michael D.
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- (71)** AGILENT TECHNOLOGIES, INC.
(11) AU-A-2021391539
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(54) ANTI-HUMAN CD10 ANTIBODIES
 FOR USE IN IMMUNOHISTOCHEM-
 ISTRY (IHC) PROTOCOLS TO DIA-
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(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK
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A01N 43/40 (2006.01)
A01N 43/90 (2006.01)
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(72) INBAL, Boaz; WEXSELBLATT,
 Ezequiel; FREUD, Yehoshua; ATS-
 MON-RAZ, Yoav; LOTHAR, Willms
(74) Griffith Hack
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- (71)** ALCON INC.
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(54) MULTI-VIEW CORNEAL TOPO-
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(51) Int. Cl.
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(31) 63/146,837 **(32)** 08.02.21 **(33)** US
(43) 11.08.2022
(72) ZIEGER, Peter; GRÜNDIG, Martin;
 NEKRASSOV, Daniil; GRECU, Horia
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** ALLERGAN PHARMACEUTICALS IN-
 TERNATIONAL LIMITED
(11) AU-A-2021409718
(21) 2021409718 **(22)** 22.12.2021
(54) TREATMENT OF MIGRAINE
(51) Int. Cl.
A61K 31/4545 (2006.01)
A61K 45/06 (2006.01)
A61P 25/06 (2006.01)
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(72) TRUGMAN, Joel; BOINPALLY,
 Ramesh; JAKATE, Abhijeet; FINNEG-
 AN, Michelle
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- (71)** ALLOGENE THERAPEUTICS, INC.
(11) AU-A-2022218162
(21) 2022218162 **(22)** 03.02.2022
(54) FORMULATIONS AND PROCESSES
 FOR CAR T CELL DRUG PRODUCTS
(51) Int. Cl.
A61K 35/17 (2015.01)
A01N 1/02 (2006.01)
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 (11) AU-A-2021411579
 (21) 2021411579 (22) 30.12.2021
 (54) CYCLIC-DISULFIDE MODIFIED PHOSPHATE BASED OLIGONUCLEOTIDE PRODRUGS
 (51) Int. Cl.
C07H 21/02 (2006.01)
C07D 339/00 (2006.01)
C07D 339/04 (2006.01)
C07D 339/08 (2006.01)
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- (71) AMADEUS S.A.S.
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 (72) LANDGREBE, Thomas Christopher Wolfgang; HORSLEY, Peter
 (74) Griffith Hack
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A61P 25/28 (2006.01)
C07K 16/28 (2006.01)
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 (72) ELLWANGER, Daniel C.; FOLTZ, Ian N.; HASSON, Samuel A.
 (74) Davies Collison Cave Pty Ltd
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- (71) ANGEL GROUP CO., LTD.
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 (54) MANAGEMENT SYSTEM
 (51) Int. Cl.
A63F 1/18 (2006.01)
A63F 1/06 (2006.01)
A63F 11/00 (2006.01)
G06K 7/10 (2006.01)
G06K 19/04 (2006.01)
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G06K 19/14 (2006.01)
G06Q 50/34 (2012.01)
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 (72) SHIGETA Yasushi
 (74) Davies Collison Cave Pty Ltd
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 (54) COMPOSITE ARTICLE COMPRISING AEROGEL PARTICLES, CERAMIC AND/OR GLASS FIBERS AND OPACIFIERS
 (51) Int. Cl.
C04B 26/12 (2006.01)
C04B 26/32 (2006.01)
C04B 28/26 (2006.01)
C04B 30/02 (2006.01)
C04B 111/28 (2006.01)
 (87) WO2022/189436
 (31) 21161398.9 (32) 09.03.21 (33) EP
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 (72) SOMBERG, Patric; HOLUB, Pavel; MÖLLER, Stephan; ZHENG, Zhicheng
 (74) Spruson & Ferguson
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 (54) COMPOSITE ARTICLE COMPRISING AEROGEL PARTICLES AND CERAMIC FIBERS
 (51) Int. Cl.
C04B 26/12 (2006.01)
C04B 26/32 (2006.01)
C04B 28/26 (2006.01)
C04B 30/02 (2006.01)
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 (74) Spruson & Ferguson
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 (11) AU-A-2022233847
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 (51) Int. Cl.
C04B 26/12 (2006.01)
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- (71) AROA BIOSURGERY LIMITED
 (11) AU-A-2021385935
 (21) 2021385935 (22) 24.11.2021
 (54) A SYSTEM FOR TREATING A WOUND
 (51) Int. Cl.
A61M 1/00 (2006.01)
A61F 13/00 (2006.01)
A61M 39/24 (2006.01)
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 (43) 02.06.2022
 (72) WARD, Brian Roderick; MASON, Isaac Tristram Tane; ASEFI, Dorrin; ROSE, Hamish Joshua; GORMAN, Sean James; CHITTOCK, Henry David
 (74) Catalyst Intellectual Property
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- (71) AROA BIOSURGERY LIMITED
 (11) AU-A-2021385936
 (21) 2021385936 (22) 24.11.2021
 (54) FLUID DRAINAGE AND DELIVERY DEVICE FOR WOUND TREATMENT
 (51) Int. Cl.
A61B 17/00 (2006.01)
A61F 13/00 (2006.01)
A61L 29/14 (2006.01)
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 (72) WARD, Brian Roderick; MASON, Isaac Tristram Tane; ROSE, Hamish Joshua; JOWSEY, Alister Todd; LOVELAND, Michael Andrew; DOUGLAS, Liam Joseph; TURNER, Samuel Barry; O'NEILL, Brendan Andrew; GORMAN, Sean James; ASEFI, Dorrin; CHITTOCK, Henry David
 (74) Catalyst Intellectual Property
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- (71) AROA BIOSURGERY LIMITED
 (11) AU-A-2021388458
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 (54) FLUID DRAINAGE OR DELIVERY DEVICE FOR TREATMENT SITE
 (51) Int. Cl.
A61M 1/00 (2006.01)
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CHITTOCK, Henry David
(74) Catalyst Intellectual Property
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(11) AU-A-2021388459
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(54) WOUND DRESSING
(51) Int. Cl.
A61F 13/02 (2006.01)
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Tristram Tane; ROSE, Hamish Joshua;
TURNER, Samuel Barry; WILLIAM-
SON, Sarah Frances; TRINIDADE,
Nigel; GORMAN, Sean James; ASEFI,
Dorrin; CHITTOCK, Henry David
(74) Catalyst Intellectual Property
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- (71)** ARRAY TECHNOLOGIES, INC.
(11) AU-A-2021409960
(21) 2021409960 **(22)** 23.12.2021
(54) PHOTOVOLTAIC MODULE DEFLEC-
TION LIMITER
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H02S 20/00 (2014.01)
F24S 25/00 (2018.01)
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(72) DE FRESART, Benjamin, C.;
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- (71)** ARTEDRONE
(11) AU-A-2022211588
(21) 2022211588 **(22)** 19.01.2022
(54) SYSTEM AND METHOD FOR MOV-
ING A MEDICAL DEVICE FOR TREAT-
ING OR DIAGNOSING A PATIENT
(51) Int. Cl.
A61B 34/00 (2016.01)
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ZARROUK, Azaddien; GRIMAUD,
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(54) DSG2 COMPOSITIONS AND METH-
ODS FOR THE TREATMENT OF COV-
ID-19
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C07K 14/705 (2006.01)
A61K 38/17 (2006.01)
A61P 9/00 (2006.01)
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(72) FOO, Shi Yin; TYLER, Ryan Edward
(74) Griffith Hack
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CHARGE (SOC)
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G01R 31/36 (2020.01)
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AYERDI OLAIZOLA, Isabel; CASTAÑO
CARMONA, Enrique; DESILANI, Se-
bastien; ULISSI, Ulderico
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- (71)** ASPEN HEALTHCARE SOLUTIONS
LLC
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(21) 2021401744 **(22)** 16.12.2021
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A01N 25/30 (2006.01)
A01N 25/04 (2006.01)
A01P 17/00 (2006.01)
A41D 13/00 (2006.01)
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COLLETTE, Derek; COLLETTE, Jared;
COLLETTE, Travis; COLLETTE, Trevor
(74) GLMR
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GMBH
(11) AU-A-2021407373
(21) 2021407373 **(22)** 08.12.2021
(54) A METHOD AND A SYSTEM FOR
ADJUSTING A CYCLE TIME OF A
TREATMENT PROCESS FOR AN OB-
JECT
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A61L 2/18 (2006.01)
A61L 2/20 (2006.01)
A61L 2/24 (2006.01)
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(31) 63/128,233 **(32)** 21.12.20 **(33)** US
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(72) FRYER, Benjamin
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MARK ATTORNEYS PTY LTD
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CUP, AND ATOMIZER ASSEMBLY
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A24F 40/40 (2020.01)
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A24F 40/465 (2020.01)
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(74) Matthias Scholl Inc.
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- (71)** ASTRAZENECA AB; MITSUBISHI
TANABE PHARMA CORPORATION
(11) AU-A-2021395353
(21) 2021395353 **(22)** 07.12.2021
(54) 4-(2-FLUORO-4-METHOXY-5-3-(((1-
METHYLCYCLOBUTYL)METHYL)CARBAMOYL)BICYC-
L)CARBAMOYL)PHENOXY)-1-
METHYLCYCLOHEX-
ANE-1-CARBOXYLIC ACID DERIV-
ATIVES AND SIMILAR COMPOUNDS
AS RXFP1 MODULATORS FOR THE
TREATMENT OF HEART FAILURE
(51) Int. Cl.
C07D 213/79 (2006.01)
A61P 9/04 (2006.01)
A61P 13/12 (2006.01)
C07C 13/40 (2006.01)
C07C 235/62 (2006.01)
C07D 231/12 (2006.01)
C07D 231/14 (2006.01)
C07D 237/20 (2006.01)
C07D 239/42 (2006.01)
C07D 241/12 (2006.01)
C07D 263/40 (2006.01)
C07D 275/02 (2006.01)

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C07D 493/08 (2006.01)
A61K 31/166 (2006.01)
A61K 31/192 (2006.01)
A61K 31/341 (2006.01)
A61K 31/343 (2006.01)
A61K 31/381 (2006.01)
A61K 31/415 (2006.01)
A61K 31/421 (2006.01)
A61K 31/44 (2006.01)
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A61K 31/519 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** ASTRAZENECA AB
(11) AU-A-2021395816
(21) 2021395816 **(22)** 09.12.2021
(54) N-(IMIDAZO[1,2-B]PYRIDAZIN-3-YL)-1-CYCLOHEXYL-2H-INDAZOLE-5-CARBOXAMIDE AND N-(PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-1-CYCLOHEXYL-2H-INDAZOLE-5-CARBOXAMIDE DERIVATIVES AS IRAK4 INHIBITORS FOR THE TREATMENT OF ASTHMA
(51) Int. Cl.
C07D 487/04 (2006.01)
A61K 31/5025 (2006.01)
A61K 31/519 (2006.01)
A61P 11/00 (2006.01)
A61P 11/06 (2006.01)
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- (71)** ASTRAZENECA UK LIMITED
(11) AU-A-2021395881
(21) 2021395881 **(22)** 10.12.2021
(54) METHODS OF PURIFYING ADENOVIRUS
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(54) METHODS OF PRODUCING ADENOVIRUS
(51) Int. Cl.
A61K 35/76 (2015.01)
A61K 39/12 (2006.01)
C12N 7/00 (2006.01)
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- (71)** AUMA RIESTER GMBH & CO. KG
(11) AU-A-2022400984
(21) 2022400984 **(22)** 21.09.2022
(54) ELECTRONIC DEVICE AND CORRESPONDING PRODUCT SERIES
(51) Int. Cl.
H05K 5/06 (2006.01)
H01R 13/52 (2006.01)
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(72) STENZEL, Rüdiger
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(11) AU-A-2021395887
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(54) INCREASED 2'-FL PRODUCTION BY GOATS
(51) Int. Cl.
C12Q 1/6876 (2018.01)
A23L 33/00 (2016.01)
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(74) Griffith Hack
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- (71)** AUTOMATIC BAR CONTROLS, INC.
(11) AU-A-2021392053
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(54) VISCOUS FOOD DISPENSING SYSTEM
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B67D 7/80 (2010.01)
B29B 7/22 (2006.01)
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(54) TREATMENTS FOR EYE INFECTION
(51) Int. Cl.
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A61N 5/06 (2006.01)
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(11) AU-A-2021398602
(21) 2021398602 **(22)** 16.12.2021
(54) OPTICAL DEVICES COMPRISING MICROLENSSES AND LASER-FABRICATED PATTERNS OR OTHER STRUCTURES, THEIR MANUFACTURE AND USE
(51) Int. Cl.
G02B 27/00 (2006.01)
B42D 25/328 (2014.01)
B42D 25/351 (2014.01)
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G02B 1/04 (2006.01)
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(74) Davies Collison Cave Pty Ltd
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- (71)** BAOSHAN IRON & STEEL CO., LTD.
(11) AU-A-2021420432
(21) 2021420432 **(22)** 01.12.2021
(54) COATED STEEL PLATE SUITABLE FOR INLINE THIN-FILM PHOTOVOLTAIC MODULE AND MANUFACTURING METHOD THEREFOR
(51) Int. Cl.
H01L 31/18 (2006.01)
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 A61B 17/072 (2006.01)
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 A61M 5/315 (2006.01)
 A61M 5/145 (2006.01)
 A61M 5/31 (2006.01)
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 A61M 25/00 (2006.01)
 A61B 5/15 (2006.01)
 A61M 39/10 (2006.01)
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 A61P 17/00 (2006.01)
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 (51) Int. Cl.
 A23C 9/142 (2006.01)
 A23L 27/10 (2016.01)
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 (51) Int. Cl.
 C07K 16/28 (2006.01)
 A61P 35/00 (2006.01)
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 (72) HAERIZADEH, Farzad; TAYEBI, Masood
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A61K 39/395 (2006.01)
C07K 16/18 (2006.01)
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 (72) HAERIZADEH, Farzad; TAYEBI, Masood
 (74) Davies Collison Cave Pty Ltd

(71) BIOARDIS, LLC
 (11) AU-A-2021401296
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 (54) EPCAM BINDING MOLECULES AND USES THEREOF
 (51) Int. Cl.
C07K 16/18 (2006.01)
A61P 35/00 (2006.01)
A61P 43/00 (2006.01)
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 (74) Davies Collison Cave Pty Ltd

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 (54) MESOTHELIN BINDING MOLECULES AND USES THEREOF
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C07K 16/28 (2006.01)
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 (72) HAERIZADEH, Farzad; TAYEBI, Masood
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 (54) PSEUDOMONAS PALMENSIS BBB001 STIMULATOR OF PLANT ADAPTIVE METABOLISM AGAINST ABIOTIC STRESS AND ENHANCER OF MINERAL NUTRITION
 (51) Int. Cl.
C12N 1/20 (2006.01)
C12R 1/38 (2006.01)
 (87) WO2022/112631
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LANO, Beatriz; GUTIERREZ MAÑERO, Francisco Javier
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A61K 31/341 (2006.01)
A61K 31/381 (2006.01)
A61K 31/4155 (2006.01)
A61K 31/422 (2006.01)
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A61P 25/14 (2006.01)
C07D 231/42 (2006.01)
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C07D 405/04 (2006.01)
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 (74) WRAYS PTY LTD

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 (54) SENOTHERAPEUTIC SUBSTANCE
 (51) Int. Cl.
A61K 31/20 (2006.01)
A61K 8/36 (2006.01)
A61K 8/49 (2006.01)
A61K 31/353 (2006.01)
A61P 9/10 (2006.01)
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 (31) 10202000029213 (32) 01.12.20 (33) IT
 (43) 09.06.2022
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 (74) HENRY HUGHES IP LTD

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 (11) AU-A-2021390182
 (21) 2021390182 (22) 30.11.2021
 (54) SENOTHERAPEUTIC COMPOUND
 (51) Int. Cl.
C07D 311/30 (2006.01)
A61K 31/352 (2006.01)
A61P 9/00 (2006.01)
A61P 17/00 (2006.01)
A61P 19/00 (2006.01)

A61P 25/00 (2006.01)
A61P 29/00 (2006.01)
A61P 39/06 (2006.01)
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 (54) ORTHOPAEDIC INTERNAL FIXATION IMPLANTED MEDICAL DEVICE
 (51) Int. Cl.
A61L 27/04 (2006.01)
A61L 27/28 (2006.01)
A61L 27/30 (2006.01)
A61L 27/32 (2006.01)
A61L 27/34 (2006.01)
A61L 27/50 (2006.01)
A61L 27/54 (2006.01)
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G06V 40/10 (2022.01)
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C07K 16/18 (2006.01)
A61P 27/02 (2006.01)
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A61B 17/072 (2006.01)
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A61K 9/00 (2006.01)
A61P 11/00 (2006.01)
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G01R 27/22 (2006.01)
A47J 31/06 (2006.01)
- G01N 33/18** (2006.01)
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(54) SYSTEM AND METHOD FOR DETERMINING DOSAGE OF COFFEE GROUNDS INTO A PORTAFILTER
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G08G 1/00 (2006.01)
G16Y 10/40 (2020.01)
G16Y 20/20 (2020.01)
G16Y 40/20 (2020.01)
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H02S 10/30 (2014.01)
C01B 3/06 (2006.01)
C25B 1/042 (2021.01)
C25B 11/03 (2021.01)
C25B 11/042 (2021.01)
G21B 3/00 (2006.01)
H02S 10/40 (2014.01)
H05H 1/48 (2006.01)
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(54) SATELLITE WITH DEPLOYABLE OPTICAL ASSEMBLY
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B64G 1/66 (2006.01)
G02B 17/08 (2006.01)
G02B 23/00 (2006.01)
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 (54) A WEARABLE DEVICE
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G08B 21/02 (2006.01)
A44C 5/00 (2006.01)
G06K 19/073 (2006.01)
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 (54) PROTECTED ALKYL TRYPTAMINES AND THEIR THERAPEUTIC USES
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C12N 9/02 (2006.01)
C12N 9/12 (2006.01)
C12N 9/88 (2006.01)
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 (31) 63/135,140 (32) 08.01.21 (33) US
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 (74) Allens Patent & Trade Mark Attorneys
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C07D 487/04 (2006.01)
A61K 31/4045 (2006.01)
A61K 31/675 (2006.01)
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 (21) 2021412502 (22) 30.12.2021
 (54) A COMPOSITION FOR USE IN THE TREATMENT OF RECTAL AND/OR INTESTINAL INFLAMMATION
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A61K 31/352 (2006.01)
A61K 9/00 (2006.01)
A61K 31/19 (2006.01)
A61K 31/728 (2006.01)
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A61K 45/06 (2006.01)
A61P 1/00 (2006.01)
A61P 1/04 (2006.01)
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B60P 1/38 (2006.01)
B65G 17/46 (2006.01)
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A61K 35/17 (2015.01)
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 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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A61K 35/12 (2015.01)
A61K 35/17 (2015.01)
A61K 38/20 (2006.01)
C12N 5/078 (2010.01)
C12N 5/0783 (2010.01)
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A61K 31/19 (2006.01)
A61K 31/327 (2006.01)
A61P 17/02 (2006.01)
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 (54) METHOD AND APPARATUS FOR DECOMPOSING AND RECYCLING THERMOSETTING RESIN COMPOSITE MATERIAL AND COMPOSITION UTILIZED THEREFOR
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B29B 17/02 (2006.01)
B09B 3/00 (2022.01)
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 (74) FPA Patent Attorneys Pty Ltd
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B62D 55/14 (2006.01)
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 (54) PRESS FIT ROLLER COLLAR
 (51) Int. Cl.
F16C 13/00 (2006.01)
B62D 55/088 (2006.01)
B62D 55/15 (2006.01)
F16C 33/74 (2006.01)
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(51) Int. Cl.
H02M 7/30 (2006.01)
H02M 7/66 (2006.01)
H02M 7/98 (2006.01)
H05K 5/02 (2006.01)
H05K 5/04 (2006.01)
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H02P 6/185 (2016.01)
H02P 25/089 (2016.01)
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B60L 15/08 (2006.01)
B60L 50/10 (2019.01)
B60L 50/51 (2019.01)
B60L 50/60 (2019.01)
B60L 50/61 (2019.01)
H02P 6/185 (2016.01)
H02P 21/12 (2016.01)
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D21H 17/11 (2006.01)
D21H 17/14 (2006.01)
D21H 17/70 (2006.01)
D21H 21/16 (2006.01)
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(72) SAMAIN, Daniel
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(11) AU-A-2021412369
(21) 2021412369 (22) 29.12.2021
(54) ANTI-APRIL ANTIBODIES AND USES THEREOF
(51) Int. Cl.
C07K 16/28 (2006.01)
A61P 3/06 (2006.01)
G01N 33/68 (2006.01)
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(54) NEW DERIVATIVES OF PYRROLOPYRROLE CYANINES AND USES THEREOF
(51) Int. Cl.
C07F 5/02 (2006.01)
C09B 23/01 (2006.01)
C09B 57/00 (2006.01)
H01G 9/00 (2006.01)
H01L 31/00 (2006.01)
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(21) 2021385976 (22) 13.10.2021
(54) PRODUCT RECOMMENDATION METHOD AND APPARATUS, COMPUTER STORAGE MEDIUM, AND SYSTEM
(51) Int. Cl.
G06Q 30/06 (2023.01)
G06F 16/9535 (2019.01)
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G05D 1/02 (2020.01)
(31) 202111641284.9 (32) 29.12.21 (33) CN
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(21) 2022368365 (22) 30.09.2022
(54) METHOD FOR POSITIONING AUXILIARY TRANSPORTATION VEHICLE IN COAL MINE AND POSITIONING SYSTEM THEREOF
(51) Int. Cl.
G05D 1/00 (2006.01)
(31) 202111616413.9 (32) 27.12.21 (33) CN
(43) 13.07.2023
(72) JIANG, Fan; ZHU, Zhencai; HUANG, Xingtao; ZHOU, Gongbo; LIU, Ni-ansheng; WANG, Libing; ZHANG, Chuansheng; PENG, Yuxing; SHEN, Gang; ZHANG, Chaofan; YI, Wenwen; CHENG, Shuman; WANG, Zhengxu
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 (54) USE OF CLADRIBINE FOR TREATING IMMUNE BRAIN DISEASE
 (51) Int. Cl.
A61K 31/7076 (2006.01)
A61P 37/02 (2006.01)
 (87) WO2022/123221
 (31) 2019460.1 (32) 10.12.20 (33) GB
 (43) 16.06.2022
 (72) REJDAK, Konrad
 (74) Griffith Hack

(71) CHROMA MEDICINE, INC.
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 (21) 2021409729 (22) 22.12.2021
 (54) COMPOSITIONS AND METHODS FOR EPIGENETIC EDITING
 (51) Int. Cl.
C12N 15/113 (2010.01)
C12N 9/10 (2006.01)
C12N 15/85 (2006.01)
C12N 15/87 (2006.01)
C12N 15/90 (2006.01)
 (87) WO2022/140577
 (31) 63/129,283 (32) 22.12.20 (33) US
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 (43) 30.06.2022
 (72) MAEDER, Morgan; FRIEDLAND, Ari; LINDER, Samantha; MYER, Vic
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2021410382 (22) 22.12.2021
 (54) STICK-TYPE FOOD PREPARATION SYSTEM, STICK-TYPE FOOD FORMING APPARATUS, AND TOPPING APPLYING APPARATUS FOR STICK-TYPE FOODS
 (51) Int. Cl.
A21C 5/00 (2006.01)
A21C 9/04 (2006.01)
A21D 13/40 (2017.01)
A21D 13/60 (2017.01)
 (87) WO2022/139486
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 (74) Spruson & Ferguson

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 (21) 2021413954 (22) 30.12.2021
 (54) SEASONING PROVISION DEVICE, SEASONING PROVISION METHOD AND SEASONING PROVISION MANAGEMENT DEVICE
 (51) Int. Cl.
A23B 7/10 (2006.01)
A23L 23/00 (2016.01)
A23L 27/10 (2016.01)
B65G 35/00 (2006.01)
B65G 37/00 (2006.01)
B65G 43/08 (2006.01)
G06Q 50/02 (2012.01)

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 (21) 2021423180 (22) 18.11.2021
 (54) AROG ALDOLASE VARIANT AND METHOD FOR PRODUCING BRANCHED CHAIN AMINO ACID BY USING SAME
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C12N 9/10 (2006.01)
C12N 15/77 (2006.01)
C12P 13/06 (2006.01)
C12P 13/08 (2006.01)
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 (72) LEE, Hayun; KIM, Ju Eun; LEE, Ji Hye; LEE, Heeseok; KIM, Kyungrim
 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2021420567 (22) 12.01.2021
 (54) EMBOLISATION SYSTEM FOR PROMOTING BLOOD CLOT FORMATION
 (51) Int. Cl.
A61B 17/12 (2006.01)
A61B 90/00 (2016.01)
 (87) WO2022/152363
 (43) 21.07.2022
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 (21) 2021428613 (22) 29.07.2021
 (54) QUANTUM SYSTEM WITH MULTIPLE-WAVELENGTH ARRAY TRAP
 (51) Int. Cl.
B82Y 10/00 (2011.01)
G06N 10/00 (2022.01)
 (87) WO2022/177599
 (31) 63/150,947 (32) 18.02.21 (33) US
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 (43) 25.08.2022
 (72) NOEL, Thomas, William; SAFFMAN, Mark
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 (54) Peroxymonosulfate oral whitening compositions
 (51) Int. Cl.
A61K 8/22 (2006.01)
A61K 8/58 (2006.01)
A61Q 11/00 (2006.01)
 (31) 63/293,345 (32) 23.12.21 (33) US
 63/293,355 23.12.21 US

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 (51) Int. Cl.
A61K 8/23 (2006.01)
A61Q 11/00 (2006.01)
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 (21) 2021411494 (22) 28.12.2021
 (54) SYSTEMS AND METHODS FOR ANALYTE ANALYSIS
 (51) Int. Cl.
C12Q 1/6809 (2018.01)
C12Q 1/6804 (2018.01)
 (87) WO2022/147025
 (31) 63/131,473 (32) 29.12.20 (33) US
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 (11) AU-A-2021402160
 (21) 2021402160 (22) 13.12.2021
 (54) SIMPLIFIED STRUCTURE OF TWO-TERMINAL TANDEM SOLAR CELLS WITH TRANSPARENT CONDUCTING OXIDE JUNCTION MATERIAL
 (51) Int. Cl.
H01L 31/0725 (2012.01)
H01L 31/0747 (2012.01)
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 (31) FR2013592 (32) 18.12.20 (33) FR
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 (72) PUAUD, Apolline; MATHERON, Muriel; MUNOZ, Maria-Delfina
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 (54) SIMPLIFIED TANDEM STRUCTURE FOR SOLAR CELLS WITH TWO TERMINALS
 (51) Int. Cl.
H01L 31/0747 (2012.01)
H01L 31/0725 (2012.01)
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MUNOZ, Maria-Delfina
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INDUSTRIAL RESEARCH ORGANISA-
TION; THE BOEING COMPANY
(11) AU-A-2021390925
(21) 2021390925 (22) 03.12.2021
(54) SECURE DATA CONNECTIONS IN
LOW DATA RATE NETWORKS
(51) Int. Cl.
H04L 45/52 (2022.01)
H04L 45/741 (2022.01)
H04L 45/7452 (2022.01)
H04L 61/50 (2022.01)
H04W 4/70 (2018.01)
(87) WO2022/115915
(31) 2020904498 (32) 04.12.20 (33) AU
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(43) 09.06.2022
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Surya; LI, Nan
(74) FB Rice Pty Ltd
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(11) AU-A-2021416859
(21) 2021416859 (22) 24.12.2021
(54) HEAT EXCHANGER
(51) Int. Cl.
F28D 1/047 (2006.01)
B33Y 80/00 (2015.01)
F28D 7/08 (2006.01)
F28F 1/08 (2006.01)
(87) WO2022/147595
(31) 2021900048 (32) 11.01.21 (33) AU
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(72) DOWLE, Ashley; BALELANG, Gabrian;
GILHOME, Brendan; FULLER, Michael;
HENDY, Paul
(74) Davies Collison Cave Pty Ltd
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TECHNOLOGY GMBH
(11) AU-A-2021388973
(21) 2021388973 (22) 29.11.2021
(54) GROUT INJECTION DEVICE AND
METHOD FOR INJECTING GROUT
INTO A LONGITUDINAL HOLE
(51) Int. Cl.
E02D 3/12 (2006.01)
E21D 9/00 (2006.01)
E21D 20/02 (2006.01)
(87) WO2022/112580
(31) 20210302.4 (32) 27.11.20 (33) EP
(43) 02.06.2022
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(21) 2022383965 (22) 06.06.2022
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(54) INFLATABLE EARPLUG SYSTEM
(51) Int. Cl.
A61F 11/10 (2006.01)
A61F 11/00 (2022.01)
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FOR ENERGY STORAGE DEVICE,
AND ENERGY STORAGE DEVICE
(51) Int. Cl.
H01M 10/613 (2014.01)
H01M 10/627 (2014.01)
H01M 10/6568 (2014.01)
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(43) 19.05.2023
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PROMOTIONS, INC.
(11) AU-A-2021411968
(21) 2021411968 (22) 30.12.2021
(54) COMPOSITIONS COMPRISING CAN-
NABIS AND MUSHROOM EXTRACTS,
AND USES THEREOF
(51) Int. Cl.
A61K 31/10 (2006.01)
A61K 31/015 (2006.01)
A61K 31/045 (2006.01)
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(31) 63/132,878 (32) 31.12.20 (33) US
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HALL, Kevin
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(21) 2021399292 (22) 17.12.2021
(54) SMAC MIMETICS FOR TREATMENT
OF CANCER, PROCESS FOR PRE-
PARATION AND PHARMACEUTICAL
COMPOSITION THEREOF
(51) Int. Cl.
A61K 31/00 (2006.01)
A61K 38/03 (2006.01)
A61K 38/05 (2006.01)
C07D 207/02 (2006.01)
C07D 207/08 (2006.01)
C07D 403/06 (2006.01)
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Dipankar; MISHRA, Durga Prasad;
RAMACHANDRAN, Ravishankar; AM-
PAPATHI, Ravi Sankar; GAYEN, Jiaur
Rahaman; DATTA, Dipak
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- (71) CRYOGENX LIMITED
(11) AU-A-2021383421
(21) 2021383421 (22) 23.11.2021
(54) A WEARABLE COOLING APPARATUS
FOR ON-SITE TREATMENT OF HEAT
ILLNESS
(51) Int. Cl.
A61F 7/02 (2006.01)
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(43) 27.05.2022
(72) ANDERSON, Matt
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(21) 2022213195 (22) 26.01.2022
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(11) AU-A-2021390530
(21) 2021390530 (22) 03.12.2021
(54) SYSTEMS AND METHODS FOR MAN-
AGING MOVEMENT OF MATERIALS
HANDLING VEHICLES
(51) Int. Cl.
G05D 1/02 (2020.01)
(87) WO2022/120116
(31) 63/121,388 (32) 04.12.20 (33) US
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(74) Griffith Hack
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(21) 2022224484 (22) 08.02.2022
(54) CALCULATING MISSED MESSAGES
EXPECTED TO BE RECEIVED BY A
CENTRAL DEVICE FROM A PERI-
PHERAL DEVICE
(51) Int. Cl.
H04W 4/40 (2018.01)
B66F 9/00 (2006.01)
G05D 1/00 (2006.01)
H04W 4/80 (2018.01)
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Casey; WOODY, Josh
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 (51) Int. Cl.
B01J 20/28 (2006.01)
B01D 15/38 (2006.01)
B01J 20/286 (2006.01)
C07H 1/08 (2006.01)
C12N 15/10 (2006.01)
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 (43) 04.08.2022
 (72) LUNDBACK, Peter; PALMGREN, Ronnie; LIND, Ola; NORRMAN, Nils; CHEEK, Helen; BRITO DOS SANTOS, Susana; DENKER, Per
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2021409095
 (21) 2021409095 (22) 23.12.2021
 (54) TEMPERATURE SENSITIVE PROBE
 (51) Int. Cl.
G01K 11/20 (2006.01)
G01N 25/00 (2006.01)
 (87) WO2022/138854
 (31) 2020-216735 (32) 25.12.20 (33) JP
 (43) 30.06.2022
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 (11) AU-A-2021400579
 (21) 2021400579 (22) 15.12.2021
 (54) METHODS AND SYSTEMS FOR RANSOMWARE DETECTION, ISOLATION AND REMEDIATION
 (51) Int. Cl.
G06F 21/56 (2013.01)
 (87) WO2022/132911
 (31) 17/128,048 (32) 19.12.20 (33) US
 (43) 23.06.2022
 (72) HANSEN, Kurt; KNOOP, Kevin; LEE, Stan
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 (11) AU-A-2022376688
 (21) 2022376688 (22) 19.09.2022
 (54) IRRIGATION DEVICE FOR PROMOTING DEEP ROOT GROWTH OF A PLANT
 (51) Int. Cl.
A01G 25/06 (2006.01)
A01G 25/00 (2006.01)
 (87) WO2023/076769
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 (43) 04.05.2023
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 (21) 2021412289 (22) 14.12.2021
- (54) HITCHING METHOD AND DEVICE FOR AGRICULTURAL VEHICLE
 (51) Int. Cl.
A01B 59/041 (2006.01)
A01B 59/06 (2006.01)
A01B 63/00 (2006.01)
 (87) WO2022/144173
 (31) FR2014219 (32) 29.12.20 (33) FR
 (43) 07.07.2022
 (72) DEFRANCQ, Hubert
 (74) AJ PARK
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 (11) AU-A-2022206102
 (21) 2022206102 (22) 11.01.2022
 (54) OPTICAL DEVICES AND METHODS OF MANUFACTURE THEREOF
 (51) Int. Cl.
B42D 25/324 (2014.01)
B42D 25/328 (2014.01)
B42D 25/351 (2014.01)
 (87) WO2022/148977
 (31) 2100327.2 (32) 11.01.21 (33) GB
 (43) 14.07.2022
 (72) HOLMES, Brian; FOURNIER, Frederic; KING, Maria
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 (11) AU-A-2021412659
 (21) 2021412659 (22) 23.12.2021
 (54) ARCHITECTURE FOR DIGITALIZING DOCUMENTS USING MULTI-MODEL DEEP LEARNING, AND DOCUMENT IMAGE PROCESSING PROGRAM
 (51) Int. Cl.
G06V 30/194 (2022.01)
G06V 30/14 (2022.01)
G06V 30/412 (2022.01)
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 (31) 2020-219612 (32) 28.12.20 (33) JP
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 (74) A.P.T. Patent and Trade Mark Attorneys
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 (21) 2022219482 (22) 09.02.2022
 (54) METHOD FOR ANONYMIZING VIDEO DATA
 (51) Int. Cl.
G06V 10/56 (2022.01)
G06V 20/52 (2022.01)
 (87) WO2022/171686
 (31) 2027526 (32) 09.02.21 (33) NL
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 (21) 2022216448 (22) 04.02.2022
 (54) PROCTOSCOPE
 (51) Int. Cl.
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A61B 1/31 (2006.01)
A61B 1/313 (2006.01)
A61B 1/32 (2006.01)
 (87) WO2022/167606
 (31) 21155308.6 (32) 04.02.21 (33) EP
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 (54) ORIENTATION SYSTEM FOR DOWN-HOLE DEVICE
 (51) Int. Cl.
E21B 47/022 (2012.01)
E21B 47/024 (2006.01)
E21B 7/04 (2006.01)
 (87) WO2022/154669
 (31) 20210042 (32) 12.01.21 (33) NO
 (43) 21.07.2022
 (72) TOKLE, Viktor; BJÖRGEN, Thomas; LINDHJEM, Rune; FLAAM, John
 (74) Collison & Co
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- (71) DOGTOOTH TECHNOLOGIES LIMITED
 (11) AU-A-2021393081
 (21) 2021393081 (22) 01.12.2021
 (54) ROBOT FRUIT PICKING SYSTEM
 (51) Int. Cl.
A01D 46/30 (2006.01)
 (87) WO2022/118021
 (31) 2018949.4 (32) 01.12.20 (33) GB
 2110653.9 23.07.21 GB
 2115455.4 27.10.21 GB
 (43) 09.06.2022
 (72) ROBERTSON, Duncan; HERBERT, Edward; COOK, Mat; TULLY, Frank; PADBURY, Chris; REDMAN, Thomas; HELLIER, Tom; SCOTT, Nick; DUNLOP, Adrian; KENDALL, Ruan
 (74) Davies Collison Cave Pty Ltd
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- (71) DOMETIC SWEDEN AB
 (11) AU-A-2022213822
 (21) 2022213822 (22) 25.01.2022
 (54) AIR CONDITIONING SYSTEM FOR A VEHICLE
 (51) Int. Cl.
B60H 1/00 (2006.01)
B60H 1/32 (2006.01)
B63J 2/04 (2006.01)
 (87) WO2022/162534
 (31) 63/141,800 (32) 26.01.21 (33) US
 (43) 04.08.2022
 (72) PABISZ, JR., Ronald A.; SCHUH, Eric; CELAURO, Justin Aaron
 (74) Spruson & Ferguson
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 (11) AU-A-2022233198
 (21) 2022233198 (22) 08.03.2022
 (54) METHOD OF OPERATING AN ELECTRONIC LOCK LOCKING A COM-

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(51) Int. Cl.
H04W 12/082 (2021.01)
E05B 47/00 (2006.01)
H04W 12/04 (2021.01)
(87) WO2022/187947
(31) 63/158,438 **(32)** 09.03.21 **(33)** US
(43) 15.09.2022
(72) LESSARD, Michel; ZHOU, Xiao Qiang; ABBASI, Farnaz; PALOMAR ROBLEDRO, Alberto
(74) Griffith Hack
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(11) AU-A-2020484352
(21) 2020484352 **(22)** 30.12.2020
(54) AQUEOUS COMPOSITION
(51) Int. Cl.
C08F 212/08 (2006.01)
C08K 5/17 (2006.01)
C09D 133/14 (2006.01)
(87) WO2022/141151
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(72) ZHAO, Yaguang; XU, Jianming; CUI, Wei; QIAN, Zhen
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71)** DRAEGER MEDICAL SYSTEMS, INC.
(11) AU-A-2021401329
(21) 2021401329 **(22)** 24.09.2021
(54) USING MACHINE LEARNING ALGORITHMS TO AUTOMATICALLY DETERMINE EXPOSURE IN GAS DETECTION TUBES
(51) Int. Cl.
G01N 21/78 (2006.01)
(87) WO2022/132270
(31) 63/126,143 **(32)** 16.12.20 **(33)** US
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(54) METHOD TO PRODUCE MEDIUM CHAIN FATTY ACIDS
(51) Int. Cl.
C12P 7/6409 (2022.01)
C02F 3/28 (2023.01)
C12P 39/00 (2006.01)
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(54) BODY CAVITY NAVIGATION DEVICES AND METHODS OF USE
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A61B 1/005 (2006.01)
A61B 1/01 (2006.01)
A61M 25/01 (2006.01)
A61M 25/10 (2013.01)
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G01V 1/30 (2006.01)
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(54) COMPOSITIONS AND METHODS FOR TREATING AND/OR PREVENTING GLYCOGEN STORAGE DISEASES
(51) Int. Cl.
A61K 38/47 (2006.01)
C12N 9/14 (2006.01)
C12N 15/56 (2006.01)
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(54) COMPOSITIONS FOR AND METHODS OF TREATING AND/OR PREVENTING GLYCOGEN STORAGE DISEASE TYPE VI AND TYPE IX
(51) Int. Cl.
A61K 38/47 (2006.01)
A61K 38/17 (2006.01)
A61P 3/00 (2006.01)
A61P 3/08 (2006.01)
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H01M 4/04 (2006.01)
H01M 4/36 (2006.01)
H01M 4/66 (2006.01)
H01M 10/052 (2010.01)
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(51) Int. Cl.
A46B 15/00 (2006.01)
A61C 9/00 (2006.01)
A61C 15/04 (2006.01)
A61C 17/02 (2006.01)
A61C 17/028 (2006.01)
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(21) 2021420770 **(22)** 02.12.2021
(54) DEVICE FOR APPLYING AN ARTICLE TO A MOVING OBJECT
(51) Int. Cl.
B65B 61/20 (2006.01)
B65B 65/02 (2006.01)
B65C 9/26 (2006.01)
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(31) 21151387.4 **(32)** 13.01.21 **(33)** EP
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G06T 7/60 (2017.01)
G16C 20/20 (2019.01)
G16C 20/70 (2019.01)

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C12N 15/13 (2006.01)
C07K 16/18 (2006.01)
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(54) EX VIVO SYSTEMS AND METHODS FOR DETERMINING THE EFFECT OF A DRUG OR OTHER AGENT ON A TISSUE
(51) Int. Cl.
G01N 33/50 (2006.01)
G01N 33/00 (2006.01)
G01N 33/53 (2006.01)
G01N 33/574 (2006.01)
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(54) PORTABLE COOLER CONTAINER
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F25D 3/14 (2006.01)
B65D 51/16 (2006.01)
F25D 29/00 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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(21) 2022210466 **(22)** 24.01.2022
(54) METHODS AND SYSTEM FOR COORDINATING UNCOORDINATED CONTENT BASED ON MULTI-MODAL METADATA THROUGH DATA FILTRATION AND SYNCHRONIZATION IN ORDER TO GENERATE COMPOSITE MEDIA ASSETS
(51) Int. Cl.
H04N 21/43 (2011.01)
G06N 3/08 (2023.01)
G06N 20/00 (2019.01)
H04N 21/218 (2011.01)
H04N 21/2743 (2011.01)
H04N 21/45 (2011.01)
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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C25B 1/16 (2006.01)
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(54) COMPONENT PLACEMENT FOR AN ENERGY GENERATION AND/OR STORAGE SYSTEM
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H02S 50/10 (2014.01)
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A61K 35/761 (2015.01)
C07K 14/005 (2006.01)
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A61K 48/00 (2006.01)
C12N 15/861 (2006.01)
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G01C 21/20 (2006.01)
G01C 21/00 (2006.01)
G01C 21/34 (2006.01)
G05D 1/02 (2020.01)
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G06F 9/50 (2006.01)
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A47C 21/04 (2006.01)
A47C 21/00 (2006.01)
A47G 9/02 (2006.01)
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C04B 26/00 (2006.01)
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A61F 13/47 (2006.01)
A61F 13/475 (2006.01)
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C07D 417/00 (2006.01)
A61K 31/381 (2006.01)
A61P 35/00 (2006.01)
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H01M 50/244 (2021.01)
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C22B 3/06 (2006.01)
C22B 3/22 (2006.01)
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63/147,981 10.02.21 US
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A61P 35/00 (2006.01)
A61K 51/10 (2006.01)
C07K 16/30 (2006.01)
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A61K 51/04 (2006.01)
A61P 35/00 (2006.01)
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C07D 471/04 (2006.01)
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(54) SYSTEMS AND METHODS FOR PROVIDING CLOUD COMPUTING SEMANTIC LAYER OPERATIONS
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G06F 11/34 (2006.01)
G06F 16/332 (2019.01)
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(74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd
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- (71) FISHER & PAYKEL APPLIANCES LIMITED
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(74) AJ PARK
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B65G 69/08 (2006.01)
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A61K 49/00 (2006.01)
A61L 24/00 (2006.01)
A61L 24/02 (2006.01)
A61L 24/04 (2006.01)
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(74) Griffith Hack
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(54) ROTARY DEVICE FOR TREATING MOLTEN METAL
(51) Int. Cl.
B22D 1/00 (2006.01)
C21C 1/02 (2006.01)
C21C 5/46 (2006.01)
C21C 7/00 (2006.01)
C21C 7/064 (2006.01)
C21C 7/072 (2006.01)
C21C 7/076 (2006.01)
(87) WO2022/129584
(31) 20215161.9 (32) 17.12.20 (33) EP
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(72) HRABINA, David; POWELL, Colin
(74) Griffith Hack
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(21) 2021402085 (22) 17.12.2021
(54) PROCESS FOR TREATING MOLTEN IRON
(51) Int. Cl.
B22D 1/00 (2006.01)
C21C 1/02 (2006.01)
C21C 5/46 (2006.01)
C21C 7/00 (2006.01)
C21C 7/064 (2006.01)
C21C 7/072 (2006.01)
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E06B 9/58 (2006.01)
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E06B 9/80 (2006.01)
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A61K 31/415 (2006.01)
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A61K 31/4245 (2006.01)
A61K 31/44 (2006.01)
A61K 31/4412 (2006.01)
A61K 31/505 (2006.01)
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A63F 9/02 (2006.01)
F41A 9/70 (2006.01)
F41B 7/00 (2006.01)
F41B 7/08 (2006.01)
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 configured to include information collec-
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 (74) PHILLIPS ORMONDE FITZPATRICK
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 (54) APPARATUS FOR PRUNING LIVE TREES
 (51) Int. Cl.
 A01G 23/02 (2006.01)
 A01G 3/08 (2006.01)
 A01G 23/08 (2006.01)
 A01G 23/081 (2006.01)
 B27L 1/00 (2006.01)
 B66C 3/04 (2006.01)
 B66C 3/14 (2006.01)
 B66C 3/20 (2006.01)
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(51) Int. Cl.
A61H 19/00 (2006.01)
A61B 5/00 (2006.01)
A61F 7/12 (2006.01)
A61H 21/00 (2006.01)
(87) WO2022/120501
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(43) 16.06.2022
(72) BARTHOLOMEW, Rachel; ROUINDEJ, Kamyar
(74) Davies Collison Cave Pty Ltd
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- (71) HYLER BV
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(54) HEMP PICKING MACHINE FOR PICKING HEMP
(51) Int. Cl.
A01D 45/06 (2006.01)
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(31) BE2020/5984 (32) 24.12.20 (33) BE
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(72) BAERT, Niels
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(21) 2021405821 (22) 24.12.2021
(54) PROCESSING MACHINE FOR FIBRE PLANTS
(51) Int. Cl.
A01D 45/06 (2006.01)
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(72) BAERT, Niels
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C01F 11/18 (2006.01)
B01J 8/12 (2006.01)
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(51) Int. Cl.
C07K 14/605 (2006.01)
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A61P 3/06 (2006.01)
A61P 3/10 (2006.01)
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A61K 39/395 (2006.01)
C07K 16/28 (2006.01)
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G01S 7/41 (2006.01)
G01S 13/90 (2006.01)
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(74) Dentons Patent Attorneys Australasia Limited
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(11) AU-A-2021399662
(21) 2021399662 (22) 02.12.2021
(54) METHOD FOR TREATING WASTE PLASTICS BY POLYMER DISSOLUTION AND PURIFICATION BY EXTRACTION
(51) Int. Cl.
B29B 17/02 (2006.01)
C08J 11/08 (2006.01)
(87) WO2022/128487
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(43) 23.06.2022
(72) LEINEKUGEL LE COCQ, Damien; WEISS, Wilfried; SIBEAUD, Mathilde; AUGIER, Frederic
(74) Griffith Hack
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(11) AU-A-2021403393
(21) 2021403393 (22) 02.12.2021
(54) METHOD FOR TREATING USED PLASTICS BY DISSOLVING THE POLYMERS AND PURIFYING THEM BY WASHING
(51) Int. Cl.
B29B 17/02 (2006.01)
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- C08J 11/08** (2006.01)
(87) WO2022/128488
(31) FR2013160 (32) 14.12.20 (33) FR
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(72) LEINEKUGEL LE COCQ, Damien; WEISS, Wilfried; AHMADI-MOTLAGH, Amir Hossein; HAROUN, Yacine
(74) Griffith Hack
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- (71) IFP ENERGIES NOUVELLES
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(21) 2021403394 (22) 02.12.2021
(54) METHOD FOR TREATING WASTE PLASTICS BY POLYMER DISSOLUTION AND ADSORPTION PURIFICATION
(51) Int. Cl.
B29B 17/02 (2006.01)
C08J 11/08 (2006.01)
(87) WO2022/128490
(31) FR2013161 (32) 14.12.20 (33) FR
(43) 23.06.2022
(72) WEISS, Wilfried; LEINEKUGEL LE COCQ, Damien; SIBEAUD, Mathilde; AHMADI-MOTLAGH, Amir Hossein
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- (71) IFP ENERGIES NOUVELLES
(11) AU-A-2021408275
(21) 2021408275 (22) 09.12.2021
(54) METHOD FOR CAPTURING SILICON AT LOW HOURLY SPACE VELOCITY
(51) Int. Cl.
B01D 53/44 (2006.01)
B01D 53/82 (2006.01)
B01J 20/02 (2006.01)
B01J 20/08 (2006.01)
B01J 20/28 (2006.01)
B01J 20/32 (2006.01)
C07C 7/148 (2006.01)
C10G 29/16 (2006.01)
C10L 3/10 (2006.01)
(87) WO2022/135944
(31) FR2013848 (32) 21.12.20 (33) FR
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(72) LEGAGNEUX, Nicolas; MARION, Marie-Claire; BARTHELET, Karin
(74) Griffith Hack
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(21) 2021400709 (22) 17.12.2021
(54) NON-STOP PRODUCTION PROCESS FOR IMPROVING FREEZE-DRYING SURVIVAL, HEAT TOLERANCE, SHELF STABILITY AND DIGESTIVE STABILITY OF PROBIOTICS USING SPONTANEOUS MATRIX-ENCAPSULATION TECHNIQUE
(51) Int. Cl.
C12N 11/08 (2020.01)
A23L 33/135 (2016.01)
A61K 9/19 (2006.01)
A61K 9/50 (2006.01)
A61K 35/00 (2006.01)
A61K 35/741 (2015.01)
A61P 1/00 (2006.01)
C12N 1/04 (2006.01)

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 HAN, Chi-Young; SEO, Han Sol; KIM,
 Tae-Yoon; LEE, Sunghye
(74) FB Rice Pty Ltd

(71) ILLUMINA, INC.
(11) AU-A-2022230469
(21) 2022230469 **(22)** 02.03.2022
(54) SENSOR WITH MULTIPLE REACTION
 SITES PER PIXEL
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G01N 21/64 (2006.01)
B01L 3/00 (2006.01)
(87) WO2022/187835
(31) 63/200,383 **(32)** 03.03.21 **(33)** US
(43) 09.09.2022
(72) REZAEI, Mohsen; BUREK, Michael;
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(74) Allens Patent & Trade Mark Attorneys

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(11) AU-A-2021342431
(21) 2021342431 **(22)** 16.09.2021
(54) METHODS AND APPARATUSES FOR
 THE SYNTHESIS OF DRUG-LOADED
 MAGNETIC MICELLE AGGREGATES
(51) Int. Cl.
A61K 9/127 (2006.01)
A61K 31/201 (2006.01)
C01G 49/06 (2006.01)
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(31) 63/079,094 **(32)** 16.09.20 **(33)** US
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 ABURTO, Rebeca; PEHERE, Ashok;
 PANG, Lang; HAZLE, John; BAST,
 Robert Clinton
(74) Davies Collison Cave Pty Ltd

(71) IMBRIA PHARMACEUTICALS, INC.
(11) AU-A-2022205937
(21) 2022205937 **(22)** 05.01.2022
(54) COMBINATION THERAPIES
(51) Int. Cl.
A23L 33/15 (2016.01)
A61K 9/00 (2006.01)
A61K 45/06 (2006.01)
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 Jaikrishna
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(21) 2021417519 **(22)** 24.02.2021
(54) FOCUSED ULTRASOUND DEVICE
 AND METHOD FOR SETTING ORDER
 OF FOCUSED ULTRASOUND TREAT-
 MENT THEREOF

(51) Int. Cl.
A61N 7/02 (2006.01)
A61B 8/00 (2006.01)
A61B 8/08 (2006.01)
A61N 7/00 (2006.01)
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(72) SON, Keon Ho; KIM, Dae Seung;
 JANG, Jun Hyeok
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(51) Int. Cl.
A61P 1/04 (2006.01)
A61K 9/00 (2006.01)
A61K 31/7125 (2006.01)
A61P 29/00 (2006.01)
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(72) ZARGARI, Arezou; SANDWALL, Per-
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 Birgitta; KNITTEL, Thomas; ZER-
 HOUNI, Peter
(74) FPA Patent Attorneys Pty Ltd

(71) INNOLITH TECHNOLOGY AG
(11) AU-A-2022215022
(21) 2022215022 **(22)** 26.01.2022
(54) SO₂-BASED ELECTROLYTE FOR A
 RECHARGEABLE BATTERY CELL,
 AND RECHARGEABLE BATTERY
 CELL
(51) Int. Cl.
H01M 10/0568 (2010.01)
H01M 4/131 (2010.01)
H01M 4/133 (2010.01)
H01M 4/485 (2010.01)
H01M 4/505 (2010.01)
H01M 4/525 (2010.01)
H01M 4/58 (2010.01)
H01M 4/587 (2010.01)
H01M 4/62 (2006.01)
H01M 4/66 (2006.01)
H01M 4/80 (2006.01)
H01M 10/0525 (2010.01)
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H01M 10/0585 (2010.01)
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 BUSCH, Rebecca
(74) WRAYS PTY LTD

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 CO., LTD.
(11) AU-A-2021408214
(21) 2021408214 **(22)** 22.12.2021
(54) INTERLEUKIN-21 MUTANT AND USE
 THEREOF
(51) Int. Cl.

C07K 14/54 (2006.01)
A61K 47/60 (2017.01)
C12P 21/02 (2006.01)
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 Hongya
(74) James & Wells Intellectual Property

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 EERING
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(54) METHANE PRODUCTION SYSTEM
(51) Int. Cl.
C10L 3/08 (2006.01)
C07C 1/12 (2006.01)
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(31) 10-2021-0004437 **(32)** 13.01.21 **(33)** KR
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 Min Hye
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(11) AU-A-2021410751
(21) 2021410751 **(22)** 22.12.2021
(54) COMPOSITIONS AND METHODS
 FOR GENETICALLY MODIFYING
 CIITA IN A CELL
(51) Int. Cl.
C12N 5/0783 (2010.01)
A61K 39/00 (2006.01)
C12N 9/22 (2006.01)
A61K 35/17 (2015.01)
C07K 14/725 (2006.01)
C07K 14/74 (2006.01)
C12N 15/10 (2006.01)
(87) WO2022/140587
(31) 63/130,098 **(32)** 23.12.20 **(33)** US
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(43) 30.06.2022
(72) HARRINGTON, William Frederick;
 GOEL, Surbhi
(74) Davies Collison Cave Pty Ltd

(71) INTERNATIONAL BUSINESS MA-
 CHINES CORPORATION
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(21) 2021417897 **(22)** 06.12.2021
(54) SYSTEMS AND METHODS FOR GEN-
 ERATING A MEDICAL IMAGE
(51) Int. Cl.
G06V 10/764 (2022.01)
A61B 5/053 (2021.01)
A61B 6/00 (2006.01)
A61B 8/00 (2006.01)
G06F 18/24 (2023.01)
G06T 7/00 (2017.01)
(87) WO2022/149014
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(72) RATNER, Vadim; SHOSHAN, Yoel; EL-
 HAY, Tal
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 (11) AU-A-2021386143
 (21) 2021386143 (22) 22.11.2021
 (54) METHODS FOR IMPROVING MUSCLE STRENGTH AND MOBILITY
 (51) Int. Cl.
 A61P 21/00 (2006.01)
 A23L 5/00 (2016.01)
 A23L 29/30 (2016.01)
 (87) WO2022/115347
 (31) 63/118,034 (32) 25.11.20 (33) US
 (43) 02.06.2022
 (72) MARTINEZ, Alexander; FERRONE, Jason
 (74) RNB IP PTY LTD

(71) INTRINSIC MEDICINE, INC.
 (11) AU-A-2021387739
 (21) 2021387739 (22) 22.11.2021
 (54) METHODS OF REDUCING EXERCISE-INDUCED INJURY OR ENHANCING MUSCLE RECOVERY AFTER EXERCISE
 (51) Int. Cl.
 A23L 33/125 (2016.01)
 A23L 33/10 (2016.01)
 A61K 31/702 (2006.01)
 A61P 21/00 (2006.01)
 C07H 3/06 (2006.01)
 (87) WO2022/115353
 (31) 63/118,039 (32) 25.11.20 (33) US
 (43) 02.06.2022
 (72) MARTINEZ, Alexander; FERRONE, Jason
 (74) RNB IP PTY LTD

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 (11) AU-A-2021397693
 (21) 2021397693 (22) 01.12.2021
 (54) COMPOSITIONS FOR INCREASING HALF-LIFE OF A THERAPEUTIC AGENT IN LIVESTOCK ANIMALS AND METHODS OF USE
 (51) Int. Cl.
 C07K 16/28 (2006.01)
 A61K 38/17 (2006.01)
 C07K 14/705 (2006.01)
 C07K 16/18 (2006.01)
 (87) WO2022/125355
 (31) 63/122,365 (32) 07.12.20 (33) US
 (43) 16.06.2022
 (72) BRONDYK, William; HORN, Juergen
 (74) Davies Collison Cave Pty Ltd

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 (54) TREATMENT OF BRAIN DAMAGE
 (51) Int. Cl.
 A61K 38/48 (2006.01)
 A61P 25/00 (2006.01)
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 (31) 2100566.5 (32) 15.01.21 (33) GB
 (43) 21.07.2022
 (72) KALINICHEV, Mikhail
 (74) Griffith Hack

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 (11) AU-A-2021411189
 (21) 2021411189 (22) 28.12.2021
 (54) POLYMER COMPRISING PENTAFLUOROPHENYL ESTER AND ELECTROCHEMICAL BIOSENSOR COMPRISING SAME
 (51) Int. Cl.
 C08F 220/22 (2006.01)
 C08F 8/32 (2006.01)
 C08F 8/42 (2006.01)
 C12Q 1/00 (2006.01)
 C12Q 1/26 (2006.01)
 G01N 27/327 (2006.01)
 (87) WO2022/146115
 (31) 10-2020-0189140 (32) 31.12.20 (33) KR
 (43) 07.07.2022
 (72) SHIN, Hyunseo; MOON, Bongjin; KWON, Hoejun
 (74) Griffith Hack

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 (11) AU-A-2021415745
 (21) 2021415745 (22) 28.12.2021
 (54) TRANSITION METAL COMPLEX CONTAINING TETRADENTATE NITROGEN DONOR LIGAND AND ELECTROCHEMICAL BIOSENSOR COMPRISING SAME
 (51) Int. Cl.
 C07F 15/00 (2006.01)
 C12Q 1/00 (2006.01)
 C12Q 1/26 (2006.01)
 (87) WO2022/145982
 (31) 10-2020-0189139 (32) 31.12.20 (33) KR
 (43) 07.07.2022
 (72) SHIN, Hyunseo; MOON, Bongjin; KWON, Hoejun
 (74) Griffith Hack

(71) ISP INVESTMENTS LLC
 (11) AU-A-2021410011
 (21) 2021410011 (22) 22.12.2021
 (54) RADIATION DOSIMETRY METHOD
 (51) Int. Cl.
 G01N 21/65 (2006.01)
 G01T 1/11 (2006.01)
 G01T 1/115 (2006.01)
 G01T 7/00 (2006.01)
 (87) WO2022/140615
 (31) 63/129,816 (32) 23.12.20 (33) US
 (43) 30.06.2022
 (72) HOOD, David K.; DAVIES, Mark Allen
 (74) Spruson & Ferguson

(71) ITRON, INC.
 (11) AU-A-2021435646
 (21) 2021435646 (22) 20.12.2021
 (54) GRANULAR CONTROL OF WATER DISTRIBUTION SYSTEM PRESSURE
 (51) Int. Cl.
 G05D 7/06 (2006.01)

(87) WO2022/203736
 (31) 17/209,028 (32) 22.03.21 (33) US
 (43) 29.09.2022
 (72) KANN, James, Lee
 (74) FPA Patent Attorneys Pty Ltd

(71) JANSSEN PHARMACEUTICA NV
 (11) AU-A-2021386450
 (21) 2021386450 (22) 07.05.2021
 (54) DOSING REGIMENS ASSOCIATED WITH EXTENDED RELEASE PALIPERIDONE INJECTABLE FORMULATIONS
 (51) Int. Cl.
 A61K 9/00 (2006.01)
 A61K 9/10 (2006.01)
 A61K 31/519 (2006.01)
 A61P 25/18 (2006.01)
 A61P 25/24 (2006.01)
 (87) WO2022/111859
 (31) 63/119,405 (32) 30.11.20 (33) US
 (43) 02.06.2022
 (72) GOPAL, Srihari; VENKATASUBRAMANIAN, Raja; T'JOLLYN, Huybrecht
 (74) Spruson & Ferguson

(71) JANSSEN PHARMACEUTICA NV
 (11) AU-A-2021388842
 (21) 2021388842 (22) 24.11.2021
 (54) METHODS FOR ENSURING RESUSPENSION OF PALIPERIDONE PALMITATE FORMULATIONS
 (51) Int. Cl.
 A61K 9/00 (2006.01)
 A61K 9/10 (2006.01)
 A61K 31/519 (2006.01)
 A61K 47/26 (2006.01)
 A61P 25/18 (2006.01)
 (87) WO2022/112367
 (31) 63/119,305 (32) 30.11.20 (33) US
 63/237,883 27.08.21 US
 (43) 02.06.2022
 (72) D'HOORE, Peter; WALLAERT, Ignace; NGUYEN, Jimmy; MEEUSSEN, Frank; GOPAL, Srihari
 (74) Spruson & Ferguson

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 (11) AU-A-2021389587
 (21) 2021389587 (22) 07.05.2021
 (54) DOSING REGIMENS ASSOCIATED WITH EXTENDED RELEASE PALIPERIDONE INJECTABLE FORMULATIONS
 (51) Int. Cl.
 A61K 9/00 (2006.01)
 A61K 9/10 (2006.01)
 A61K 31/519 (2006.01)
 A61P 25/18 (2006.01)
 A61P 25/24 (2006.01)
 (87) WO2022/111860
 (31) 63/119,363 (32) 30.11.20 (33) US
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 (74) Spruson & Ferguson

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- (71) JFE STEEL CORPORATION
(11) AU-A-2021406790
(21) 2021406790 (22) 29.11.2021
(54) SURFACE-TREATED STEEL SHEET AND PRODUCTION METHOD THEREFOR
(51) Int. Cl.
C25D 5/26 (2006.01)
C25D 3/06 (2006.01)
C25D 11/38 (2006.01)
(87) WO2022/138005
(31) 2020-211808 (32) 21.12.20 (33) JP
(43) 30.06.2022
(72) UENO Takashi; YAMANAKA Yoichiro; SUZUKI Yoshitsugu; TOMOZAWA Masanari; NAKAMICHI Haruo; KAWANO Takashi
(74) Davies Collison Cave Pty Ltd
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- (71) JIANGSU XCMG CONSTRUCTION MACHINERY RESEARCH INSTITUTE LTD.
(11) AU-A-2020482822
(21) 2020482822 (22) 24.12.2020
(54) METHOD, DEVICE AND SYSTEM FOR UPDATING MAP OF UNLOADING AREA OF OPEN PIT MINE
(51) Int. Cl.
G01C 21/32 (2006.01)
(87) WO2022/133885
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(72) ZHAO, Bin; TANG, Jianlin; YANG, Chao
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(51) Int. Cl.
E21D 20/02 (2006.01)
E21D 21/00 (2006.01)
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A61F 13/15 (2006.01)
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B02C 23/02 (2006.01)
B03D 1/08 (2006.01)
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A61K 35/32 (2015.01)
A61K 9/00 (2006.01)
A61L 27/24 (2006.01)
A61L 27/36 (2006.01)
A61P 19/02 (2006.01)
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C07K 16/46 (2006.01)
A61K 39/395 (2006.01)
A61K 45/00 (2006.01)
A61K 47/68 (2017.01)
A61K 51/10 (2006.01)
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C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
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A61K 8/64 (2006.01)
A61L 27/54 (2006.01)
A61L 29/16 (2006.01)
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 C07D 487/04 (2006.01)
 A61P 15/00 (2006.01)
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 AFZALI, Kiyam; REEKIE, Tristan;
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 A23F 5/26 (2006.01)
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 A23F 5/18 (2006.01)
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 C07C 23/36 (2006.01)
 A61K 47/50 (2017.01)
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 C01B 32/50 (2017.01)
 F25J 3/02 (2006.01)
 F25J 3/06 (2006.01)
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 (72) LECLERC, Mathieu; PERE, Félix
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

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 H04W 12/08 (2021.01)
 H04W 12/50 (2021.01)
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 C12N 15/09 (2006.01)
 C12Q 1/686 (2018.01)
 C12Q 1/6869 (2018.01)
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 H01J 35/08 (2006.01)
 G01N 23/22 (2018.01)
 G01N 23/223 (2006.01)
 (87) WO2022/115519
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 (74) FPA Patent Attorneys Pty Ltd

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 A62C 3/00 (2006.01)
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 A62C 31/28 (2006.01)
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 A23L 11/60 (2021.01)
 A23C 11/10 (2021.01)
 A23L 2/38 (2021.01)
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 A23L 11/30 (2016.01)
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 F16F 7/10 (2006.01)
 E04H 9/02 (2006.01)
 F03D 13/20 (2016.01)
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 (54) BIOACTIVE SUBSTANCE CONJUGATE, PREPARATION METHOD THEREFOR AND USE THEREOF
 (51) Int. Cl.
 A61K 47/68 (2017.01)
 A61K 39/00 (2006.01)
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 C07K 16/28 (2006.01)
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 C07D 215/54 (2006.01)
 A61K 31/517 (2006.01)
 A61P 35/00 (2006.01)
 C07D 239/94 (2006.01)
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 (54) CD40 BINDING MOLECULES AND USES THEREOF
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 C07K 16/28 (2006.01)
 A61K 39/395 (2006.01)
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 G06F 3/0481 (2022.01)
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 (54) STATE DETECTION DEVICE, STATE DETECTION METHOD, AND PROGRAM
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 G01N 22/00 (2006.01)
 G01V 3/12 (2006.01)
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 (54) CHARGE/DISCHARGE PLAN CREATING DEVICE, COMMAND DEVICE, POWER SYSTEM MANAGEMENT SYSTEM, TERMINAL DEVICE, POWER STORAGE SYSTEM, CHARGE/DISCHARGE SYSTEM, POWER STORAGE CELL, ELECTRIC VEHICLE, CHARGE/DISCHARGE PLAN CREATING METHOD, AND CHARGE/DISCHARGE PLAN CREATING PROGRAM
 (51) Int. Cl.
 H02J 3/00 (2006.01)
 H02J 3/38 (2006.01)
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 B01D 53/26 (2006.01)
 A61L 9/16 (2006.01)
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F24H 7/00 (2022.01)
F24H 9/20 (2022.01)
H02J 3/14 (2006.01)
H02J 3/24 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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A61L 27/44 (2006.01)
A61K 35/12 (2015.01)
A61L 27/20 (2006.01)
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A61L 27/50 (2006.01)
A61L 27/58 (2006.01)
C12M 3/00 (2006.01)
C12N 5/071 (2010.01)
C12N 5/10 (2006.01)
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C12P 21/00 (2006.01)
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A23N 1/00 (2006.01)
B30B 9/00 (2006.01)
B30B 9/02 (2006.01)
B30B 9/26 (2006.01)
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C11B 1/06 (2006.01)
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A61P 29/00 (2006.01)
C07C 39/08 (2006.01)
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C25B 1/04 (2021.01)
C25B 11/031 (2021.01)
C25B 11/061 (2021.01)
C25B 11/077 (2021.01)
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B29B 11/16 (2006.01)
D02G 3/18 (2006.01)
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 A61P 35/00 (2006.01)
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 C12N 15/62 (2006.01)
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C07D 413/06 (2006.01)
A61K 31/4375 (2006.01)
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(21) 2021420707 (22) 14.01.2021
(54) QUANTUM COMPUTATION METHOD AND QUANTUM OPERATION CONTROL LAYOUT
- (51) Int. Cl.
G06N 10/00 (2022.01)
- (87) WO2022/152384
(43) 21.07.2022
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(54) PROCESS FOR ESTABLISHING A HUMAN TESTICULAR TISSUE CULTURE SYSTEM
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A61K 35/52 (2015.01)
C12N 5/00 (2006.01)
C12Q 1/6851 (2018.01)
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(31) 63/133,633 (32) 04.01.21 (33) US
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(54) DRILL STRING-CONNECTED PROTECTION FROM BOREHOLE PULSATION ENERGIES
- (51) Int. Cl.
F16L 55/04 (2006.01)
E21B 1/28 (2006.01)
E21B 1/32 (2006.01)
F16L 55/027 (2006.01)
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(31) 63/131,727 (32) 29.12.20 (33) US
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(72) ROGERS, John Thomas; JANTZON, Cersten
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 (51) Int. Cl.
H05B 6/06 (2006.01)
A24F 40/465 (2020.01)
H05B 1/02 (2006.01)
 (87) WO2022/136660
 (31) 20217031.2 (32) 23.12.20 (33) EP
 (43) 30.06.2022
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 (54) AEROSOL-GENERATING DEVICE AND SYSTEM COMPRISING AN INDUCTIVE HEATING DEVICE AND METHOD OF OPERATING THE SAME
 (51) Int. Cl.
A24F 40/465 (2020.01)
A24F 40/20 (2020.01)
A24F 40/57 (2020.01)
 (87) WO2022/136661
 (31) 20217029.6 (32) 23.12.20 (33) EP
 (43) 30.06.2022
 (72) BUTIN, Yannick; MOHSENI, Farhang; STURA, Enrico; NESOVIC, Milica; GATTONI, Lucas
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 (54) AEROSOL-GENERATING DEVICE AND SYSTEM COMPRISING AN INDUCTIVE HEATING DEVICE AND METHOD OF OPERATING THE SAME
 (51) Int. Cl.
A24F 40/465 (2020.01)
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A61M 15/06 (2006.01)
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 (54) AEROSOL-GENERATING DEVICE AND SYSTEM COMPRISING AN INDUCTIVE HEATING DEVICE AND METHOD OF OPERATING THE SAME
 (51) Int. Cl.
A24F 40/465 (2020.01)
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 (54) CLUBROOT RESISTANCE IN BRASSICA
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A01H 1/02 (2006.01)
A01H 1/04 (2006.01)
A01H 6/20 (2018.01)
C12Q 1/6895 (2018.01)
G01N 33/00 (2006.01)
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C09D 129/14 (2006.01)
A61L 2/23 (2006.01)
C09D 5/14 (2006.01)
C09D 7/20 (2018.01)
C09D 7/80 (2018.01)
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 (54) USE OF SUGAR CANE EXTRACTS IN THE TREATMENT OR PREVENTION OF MICROBIAL INFECTIONS AND DYSBIOSIS
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A61K 36/899 (2006.01)
A23K 10/33 (2016.01)
A23K 20/00 (2016.01)
A23K 50/80 (2016.01)
A61P 1/14 (2006.01)
A61P 31/04 (2006.01)
A61P 31/12 (2006.01)
A61P 33/02 (2006.01)
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 (51) Int. Cl.
A61K 8/25 (2006.01)
A61Q 11/00 (2006.01)
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 (11) AU-A-2021421112
 (21) 2021421112 (22) 08.12.2021
 (54) METHODS OF OPERATIONAL FLEXIBILITY IN PARTIAL OXIDATION
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C10K 3/00 (2006.01)
C01B 3/36 (2006.01)
C10K 3/02 (2006.01)
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 (31) 63/141,042 (32) 25.01.21 (33) US
 (43) 28.07.2022
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 (74) Griffith Hack
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 (54) METHODS FOR CONTROLLING SYN-GAS COMPOSITION
 (51) Int. Cl.
C10J 3/46 (2006.01)
C01B 3/36 (2006.01)
C10J 3/84 (2006.01)
C10K 3/06 (2006.01)
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 (51) Int. Cl.
A61F 11/20 (2022.01)
 (87) WO2022/147110
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 (54) ROW CLEANER PRESCRIPTION METHOD
 (51) Int. Cl.
 A01C 7/20 (2006.01)
 A01B 79/00 (2006.01)
 (87) WO2022/175741
 (31) 63/150,428 (32) 17.02.21 (33) US
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 (54) DATA TRANSFER
 (51) Int. Cl.
 A01B 79/00 (2006.01)
 G05D 1/02 (2020.01)
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 (51) Int. Cl.
 A01B 49/06 (2006.01)
 A01C 19/02 (2006.01)
 A01M 9/00 (2006.01)
 (87) WO2022/175768
 (31) 63/150,436 (32) 17.02.21 (33) US
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 (54) MIX CALCULATOR
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 A01C 21/00 (2006.01)
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 (11) AU-A-2021401403
 (21) 2021401403 (22) 17.12.2021
 (54) CDK INHIBITORS AND THEIR USE AS PHARMACEUTICALS
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 C07D 401/14 (2006.01)
 A61K 31/4365 (2006.01)
 A61P 35/00 (2006.01)
 C07D 471/04 (2006.01)
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 (21) 2021400841 (22) 14.12.2021
 (54) MASS SPECTROMETRY SAMPLE PROCESSING METHODS, CHROMATOGRAPHY DEVICES, AND DATA ANALYSIS TECHNIQUES FOR BIOMARKER ANALYSIS
 (51) Int. Cl.
 G01N 33/68 (2006.01)
 B01L 3/00 (2006.01)
 C12N 15/01 (2006.01)
 C12Q 1/68 (2018.01)
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 (21) 2022210206 (22) 11.01.2022
 (54) SYSTEMS, DEVICES AND METHODS FOR MULTI-AXIAL ASSEMBLIES
 (51) Int. Cl.
 A61F 2/66 (2006.01)
 A61F 2/00 (2006.01)
 A61F 2/42 (2006.01)
 A61F 2/50 (2006.01)
 A61F 2/60 (2006.01)
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 (21) 2021418225 (22) 13.12.2021
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 (51) Int. Cl.
 G01N 33/68 (2006.01)
 C07K 14/705 (2006.01)
 C07K 16/28 (2006.01)
 C12N 15/12 (2006.01)
 G01N 33/50 (2006.01)
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 (54) PARTICULATE COMPOSITION CONTAINING CO-CRYSTAL OF MALIC ACID AND ALKALI METAL HYDROGEN MALATE
 (51) Int. Cl.
 A23G 1/32 (2006.01)
 A23G 3/34 (2006.01)
 A23G 3/36 (2006.01)
 A23G 4/02 (2006.01)
 A23G 4/04 (2006.01)
 A23G 4/06 (2006.01)
 C07C 51/43 (2006.01)
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 (31) 20215219.5 (32) 17.12.20 (33) EP
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 (51) Int. Cl.
 A61K 31/437 (2006.01)
 A61K 31/519 (2006.01)
 C07D 241/36 (2006.01)
 C07D 471/04 (2006.01)
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 (51) Int. Cl.
A61K 31/192 (2006.01)
A61K 9/00 (2006.01)
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 (54) TREATMENT OF LONG BONE FRACTURES WITH ABALOPARATIDE
 (51) Int. Cl.
A61K 9/70 (2006.01)
A61K 38/29 (2006.01)
A61P 19/08 (2006.01)
 (87) WO2022/149066
 (31) 63/134,027 (32) 05.01.21 (33) US
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- (71) RANSON, R.
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 (54) CRANIUM-COVERING EXTENSION DEVICE FOR A FACE SHIELD
 (51) Int. Cl.
A41D 13/11 (2006.01)
A42B 3/20 (2006.01)
A61F 9/04 (2006.01)
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 (43) 09.06.2022
 (72) RANSON, Robert
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd
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 (21) 2021414136 (22) 29.12.2021
 (54) MONITORING SYSTEMS
 (51) Int. Cl.
G08B 13/196 (2006.01)
G01S 17/08 (2006.01)
G06T 19/00 (2011.01)
H04N 7/18 (2006.01)
 (87) WO2022/147455
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- (54) ENVIRONMENTAL MONITORING NAVIGATION SYSTEMS AND METHODS FOR SAME
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B64B 1/44 (2006.01)
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 (54) A SOLAR CELL ASSEMBLY
 (51) Int. Cl.
H01L 31/0224 (2006.01)
H01L 31/18 (2006.01)
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 (31) 2020731.2 (32) 30.12.20 (33) GB
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 (74) PHILLIPS ORMONDE FITZPATRICK
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 (54) ELECTRODE ASSEMBLY
 (51) Int. Cl.
H01L 31/0224 (2006.01)
H01L 31/054 (2014.01)
H01L 31/0747 (2012.01)
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 (43) 07.07.2022
 (72) WU, Meng Hsiu
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) REGENERON PHARMACEUTICALS, INC.
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 (54) METHODS FOR IDENTIFICATION OF SCRAMBLED DISULFIDES IN BIOMOLECULES
 (51) Int. Cl.
G01N 33/68 (2006.01)
G01N 30/02 (2006.01)
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 (31) 63/128,146 (32) 20.12.20 (33) US
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 (54) IMMUNOGLOBULIN PROTEINS THAT BIND TO NPR1 AGONISTS
 (51) Int. Cl.
C07K 16/42 (2006.01)
A61K 31/165 (2006.01)
A61P 9/12 (2006.01)
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 (54) METHODS OF IMPROVING PROTEIN TITER IN CELL CULTURE
 (51) Int. Cl.
C12N 5/00 (2006.01)
A01N 1/02 (2006.01)
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 (74) Davies Collison Cave Pty Ltd
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- (71) REGENXBIO INC.
 (11) AU-A-2022210592
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 (54) IMPROVED PRODUCTION OF RECOMBINANT POLYPEPTIDES AND VIRUSES
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C12N 15/86 (2006.01)
C12N 15/87 (2006.01)
 (87) WO2022/159662
 (31) 63/139,992 (32) 21.01.21 (33) US
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- (71) REJUVENATION TECHNOLOGIES INC.
 (11) AU-A-2021413753
 (21) 2021413753 (22) 28.12.2021
 (54) COMPOSITIONS AND METHODS FOR DELIVERY OF RNA
 (51) Int. Cl.
A61K 31/7088 (2006.01)
A61K 47/00 (2006.01)
A61K 47/50 (2017.01)
A61K 47/69 (2017.01)
A61P 1/16 (2006.01)
 (87) WO2022/147039
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 (72) RAMUNAS, John; MARKOV, Glenn Jeremy; OLSEN, William Gillis
 (74) Davies Collison Cave Pty Ltd
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 (21) 2022358137 (22) 29.09.2022
 (54) METHOD FOR TREATING SJOGREN'S SYNDROME USING TACI-FC FUSION PROTEIN
 (51) Int. Cl.

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A61P 37/00 (2006.01)
(87) WO2023/051660
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(51) Int. Cl.
H04L 9/40 (2022.01)
H04L 67/61 (2022.01)
H04W 12/80 (2021.01)
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F16L 33/30 (2006.01)
A01G 25/02 (2006.01)
F16L 37/02 (2006.01)
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G21C 19/20 (2006.01)
B23P 19/06 (2006.01)
B25B 29/02 (2006.01)
G21C 13/073 (2006.01)
(87) WO2022/117318
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C12N 15/82 (2006.01)
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C12N 9/10 (2006.01)
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(54) UREA CALCIUM SULFATE COATED UREA FERTILIZER AND BLENDS THEREOF
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C05D 3/00 (2006.01)
C05G 5/12 (2020.01)
C05G 5/30 (2020.01)
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C05B 19/02 (2006.01)
C05B 11/04 (2006.01)
C05B 17/00 (2006.01)
C05D 1/00 (2006.01)
C05G 3/40 (2020.01)
C05G 5/12 (2020.01)
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C12Q 1/6813 (2018.01)
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A61F 5/44 (2006.01)
A61F 5/441 (2006.01)
A61F 5/443 (2006.01)
A61F 5/451 (2006.01)
A61F 5/453 (2006.01)
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A61K 31/573 (2006.01)
A61P 15/00 (2006.01)
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A61B 17/3205 (2006.01)
A61B 17/32 (2006.01)
A61F 9/013 (2006.01)
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G01C 11/02 (2006.01)
G03B 15/00 (2021.01)
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G06F 1/16 (2006.01)
H04R 1/08 (2006.01)
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E02F 9/28 (2006.01)
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(54) SMART CONTROL SYSTEM FOR A ROBOTIC DEVICE
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B25J 9/16 (2006.01)
G05D 1/00 (2006.01)
B25J 11/00 (2006.01)
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B25J 9/00 (2006.01)
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B62D 55/06 (2006.01)
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A23C 1/00 (2006.01)
A61K 8/64 (2006.01)
A23C 1/12 (2006.01)
A23C 1/14 (2006.01)
A23C 9/15 (2006.01)
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(21) 2021409214 (22) 14.12.2021
(54) APPARATUS AND METHOD TO MEASURE FLARE BURNER FALLOUT
(51) Int. Cl.
F23G 7/08 (2006.01)
G01N 15/02 (2006.01)
G01N 21/94 (2006.01)
G06T 7/00 (2017.01)
G06T 7/62 (2017.01)
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C07K 16/28 (2006.01)
A61P 3/04 (2006.01)
A61P 29/02 (2006.01)
C07K 16/22 (2006.01)
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A23J 1/14 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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G01N 23/223 (2006.01)
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E04B 7/02 (2006.01)
E04B 7/04 (2006.01)
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A61B 5/00 (2006.01)
G16H 50/30 (2018.01)
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A61K 31/436 (2006.01)
A61K 48/00 (2006.01)
C12N 15/86 (2006.01)
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(54) MULTICISTRONIC RNA VACCINES AND USES THEREOF
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A61K 31/7088 (2006.01)
A61K 31/7105 (2006.01)
A61K 35/76 (2015.01)
A61K 39/00 (2006.01)
A61K 39/12 (2006.01)
C12N 15/09 (2006.01)
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A01N 63/00 (2020.01)
A01N 65/00 (2009.01)
A23L 31/00 (2016.01)
A23L 33/135 (2016.01)
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A61N 7/00 (2006.01)
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A61K 33/24 (2019.01)
A61P 25/04 (2006.01)
A61P 25/06 (2006.01)
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G01R 19/25 (2006.01)
G01R 31/50 (2020.01)
G01R 31/67 (2020.01)
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A61N 5/06 (2006.01)
A61K 8/18 (2006.01)
A61K 41/00 (2020.01)
G01W 1/10 (2006.01)
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C22B 3/04 (2006.01)
B09B 3/80 (2022.01)
C22B 3/16 (2006.01)
C22B 3/28 (2006.01)
C22B 11/00 (2006.01)
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E04G 3/28 (2006.01)
E06C 1/397 (2006.01)
(87) WO2022/115703
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(54) PHARMACEUTICAL COMPOSITION COMPRISING INSOLUBLE CAMP-TOHECIN COMPOUND-CONTAINING NANOPARTICLE FOR TREATMENT OF CANCER AND COMBINATION THERAPY THEREOF
(51) Int. Cl.
A61K 9/51 (2006.01)
A61K 31/437 (2006.01)
A61K 31/4745 (2006.01)
A61K 45/06 (2006.01)
A61P 35/00 (2006.01)
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A23L 33/00 (2016.01)
A61K 31/00 (2006.01)
A61K 35/745 (2015.01)
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- (71) SOCIETE DES PRODUITS NESTLE SA
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 (54) GENERATING PET IMAGE TRAINING DATA BASED ON SOURCE IMAGES
 (51) Int. Cl.
G06V 10/82 (2022.01)
G06V 40/10 (2022.01)
G16H 20/60 (2018.01)
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 (51) Int. Cl.
C12N 9/24 (2006.01)
A61K 38/47 (2006.01)
A61P 3/00 (2006.01)
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 (74) AJ PARK
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A63B 53/14 (2015.01)
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A47J 37/06 (2006.01)
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A23L 2/52 (2006.01)
A23L 2/60 (2006.01)
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A23L 2/52 (2006.01)
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A23L 2/56 (2006.01)
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G02F 1/1516 (2019.01)
H01M 10/0564 (2010.01)
H01M 10/0565 (2010.01)
H01M 10/10 (2006.01)
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C08J 9/16 (2006.01)
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A01P 1/00 (2006.01)
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B09B 3/20 (2022.01)

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C04B 7/14 (2006.01)
C04B 7/153 (2006.01)
C04B 28/00 (2006.01)
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A61F 2/24 (2006.01)
A61B 17/12 (2006.01)
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A61F 2/46 (2006.01)
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A61K 9/00 (2006.01)
A61N 1/32 (2006.01)
A61N 1/36 (2006.01)
A61N 1/40 (2006.01)
A61P 25/00 (2006.01)
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H04W 24/08 (2009.01)
H04W 36/36 (2009.01)
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E01C 13/08 (2006.01)
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H01L 31/0256 (2006.01)
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A61P 35/00 (2006.01)
C07D 493/04 (2006.01)
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B32B 27/08 (2006.01)
B32B 27/20 (2006.01)
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C07K 14/165 (2006.01)
A61K 39/12 (2006.01)
A61K 45/06 (2006.01)
C07K 16/10 (2006.01)
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A01K 67/00 (2006.01)
A01K 67/02 (2006.01)
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(54) GAIT AND POSTURE ANALYSIS
(51) Int. Cl.
A61B 5/103 (2006.01)
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(51) Int. Cl.
C10L 1/14 (2006.01)
C10L 10/04 (2006.01)
C10L 1/198 (2006.01)
C10L 1/222 (2006.01)
C10L 1/224 (2006.01)
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C07K 16/42 (2006.01)
A61K 39/395 (2006.01)
A61P 37/00 (2006.01)
C07K 16/44 (2006.01)
C12N 15/85 (2006.01)
G01N 33/50 (2006.01)
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C07D 239/42 (2006.01)
A61K 31/506 (2006.01)
A61P 37/00 (2006.01)
C07D 403/12 (2006.01)
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(54) ENGINEERED GAMMA DELTA T CELLS AND METHODS OF MAKING AND USING THEREOF
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A61K 35/17 (2015.01)
C07K 14/725 (2006.01)
C12N 5/0783 (2010.01)
C12N 15/85 (2006.01)
C12N 15/86 (2006.01)
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(74) Spruson & Ferguson
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(54) COMPOSITION AND METHOD OF PRESERVING VIABILITY OF CELL IN A LOW TEMPERATURE ENVIRONMENT
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A01N 1/02 (2006.01)
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A61K 31/4375 (2006.01)
A61K 31/4709 (2006.01)
A61K 31/472 (2006.01)
A61K 31/496 (2006.01)
A61P 31/04 (2006.01)
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A61K 39/215 (2006.01)
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(72) CONNORS, Mark
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A61K 39/09 (2006.01)
A61P 31/04 (2006.01)
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C01B 32/194 (2017.01)
C08K 3/04 (2006.01)
C08L 71/02 (2006.01)
H01M 4/62 (2006.01)

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(51) Int. Cl.
C07C 259/10 (2006.01)
A61P 3/00 (2006.01)
A61P 9/00 (2006.01)
A61P 13/12 (2006.01)
A61P 19/02 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
A61P 37/00 (2006.01)
A61P 43/00 (2006.01)
C07C 275/24 (2006.01)
C07C 275/28 (2006.01)
C07D 207/12 (2006.01)
C07D 207/34 (2006.01)
C07D 209/18 (2006.01)
C07D 209/46 (2006.01)
C07D 209/48 (2006.01)
C07D 213/56 (2006.01)
C07D 213/64 (2006.01)
C07D 213/74 (2006.01)
C07D 215/40 (2006.01)
C07D 233/64 (2006.01)
C07D 233/72 (2006.01)
C07D 233/90 (2006.01)
C07D 235/02 (2006.01)
C07D 235/08 (2006.01)
C07D 239/36 (2006.01)
C07D 239/42 (2006.01)
C07D 239/54 (2006.01)
C07D 239/91 (2006.01)
C07D 239/96 (2006.01)
C07D 241/08 (2006.01)
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C07D 471/04 (2006.01)
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(21) 2021418416 **(22)** 02.09.2021
(54) RADOME
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H01Q 1/42 (2006.01)
B32B 5/02 (2006.01)
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(21) 2021428696 **(22)** 11.10.2021
(54) SANDWICH PANEL MOLDING METHOD
(51) Int. Cl.
B32B 37/14 (2006.01)
B32B 5/28 (2006.01)
B32B 27/38 (2006.01)
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(31) 2021-022230 **(32)** 16.02.21 **(33)** JP
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(74) FB Rice Pty Ltd
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- (71)** THIRDWAYV, INC.
(11) AU-A-2021400495
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(54) REMOTE CONTROL OF INTERNET-OF-THINGS DEVICES
(51) Int. Cl.
H04L 67/125 (2022.01)
H04L 9/08 (2006.01)
H04L 12/66 (2006.01)
H04W 4/80 (2018.01)
H04W 8/00 (2009.01)
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(72) AYOUB, Michael Atef; WASILY, Nabil
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(11) AU-A-2022402780
(21) 2022402780 **(22)** 21.11.2022
(54) METHOD FOR COMPREHENSIVELY RECOVERING LITHIUM, TANTALUM-NIOBIUM, SILICON-ALUMINUM MICRO-POWDER, IRON ORE CONCENTRATE AND GYPSUM FROM LITHIUM SLAG
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B03B 9/06 (2006.01)
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(72) YIN, Zhigang; ZHOU, Fu; DENG, Xingxing; XU, Chuan; GAO, Yibao
(74) A.P.T. Patent and Trade Mark Attorneys
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(21) 2021403054 **(22)** 16.12.2021
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C07K 14/435 (2006.01)
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C12N 5/00 (2006.01)
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(54) IMPROVED MATERIALS FOR TUNGSTEN BORIDE NEUTRON SHIELDING
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G21F 1/08 (2006.01)
C04B 35/56 (2006.01)
C22C 1/04 (2023.01)
G21B 1/11 (2006.01)
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(54) STABLE LIQUID LIPID NANOPARTICLE FORMULATIONS
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A61K 9/00 (2006.01)
A61K 9/127 (2006.01)
A61K 31/7088 (2006.01)
A61K 31/7105 (2006.01)
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(54) THERAPEUTIC MATERIAL WITH LOW pH AND LOW TOXICITY ACTIVE AGAINST AT LEAST ONE PATHOGEN FOR ADDRESSING PATIENTS WITH RESPIRATORY ILLNESSES
(51) Int. Cl.

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A61P 11/00 (2006.01)
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A61K 31/4725 (2006.01)
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A61P 25/02 (2006.01)
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A61K 31/454 (2006.01)
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(54) PROCESS FOR PRODUCING PAINT CONTAINING CARBON NANOMATERIALS, PRODUCTS AND USE IN MONITORING STRAINS, STRESSES AND IMPACT
(51) Int. Cl.
C09D 101/02 (2006.01)
C09D 4/02 (2006.01)
C09D 7/41 (2018.01)
C09D 129/02 (2006.01)
G01B 1/00 (2006.01)
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A61K 38/10 (2006.01)
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A61K 39/00 (2006.01)
A61K 39/39 (2006.01)
A61P 31/00 (2006.01)
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B29C 70/00 (2006.01)
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H01M 8/18 (2006.01)
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B29B 17/00 (2006.01)
C10B 49/02 (2006.01)
C10B 53/07 (2006.01)
F23G 5/027 (2006.01)
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C08L 5/08 (2006.01)
B32B 1/02 (2006.01)
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B32B 23/04 (2006.01)
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B65D 65/40 (2006.01)
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D21J 3/10 (2006.01)
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A23L 29/00 (2016.01)
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A61P 31/04 (2006.01)
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A62C 31/28 (2006.01)
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A61K 47/69 (2017.01)
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(54) DEVICE FOR REMOVING FOREIGN MATTER FROM A LIQUID
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A47J 37/12 (2006.01)
B01D 29/07 (2006.01)
B01D 29/52 (2006.01)
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F01M 11/03 (2006.01)
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B01L 7/00 (2006.01)
F25D 17/02 (2006.01)
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E03B 3/03 (2006.01)
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 B22F 3/105 (2006.01)
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 B23K 26/064 (2014.01)
 B29C 64/268 (2017.01)
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 B67D 7/08 (2010.01)
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 G02B 6/02 (2006.01)
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 PREPARATION METHOD THEREOF
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 G06F 17/18 (2006.01)
 G06N 20/00 (2019.01)
 G06Q 30/02 (2023.01)
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 A61F 2/46 (2006.01)
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 (74) PHILLIPS ORMONDE FITZPATRICK

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 (87) WO2022/165215
 (31) 63/143,514 (32) 29.01.21 (33) US
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 (72) SLOCUM, Alexander; GOYAL, Nitin
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ZTE CORPORATION
 (11) AU-A-2020482982
 (21) 2020482982 (22) 24.12.2020
 (54) SYSTEMS AND METHODS FOR
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 (51) Int. Cl.
 H04W 72/04 (2023.01)
 (87) WO2022/133896
 (43) 30.06.2022
 (72) WU, Hao; JIANG, Chuangxin; ZHANG,
 Shujuan; YAO, Ke; WANG, Yuxin; GAO,
 Bo; LU, Zhaohua
 (74) Spruson & Ferguson

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2020479043	ASOCIACION CENTRO TECNOLOGICO CEIT; GELI- ON TECHNOLOGIES PTY LTD	2021390199	BREATHE RESTORE, INC.; PETRUCCI, G.M.;
2020479584	MANDERSON ENGINEERING INNOVATIONS PTY LTD	2021390415	MUSTAPHA, J.A.
2020479737	HSU, T.S.	2021390439	SINGAPORE POLYTECHNIC
2020479827	VGS ENERGY LTD	2021390530	TYGRUS, LLC
2020480101	CELLULOTECH INC	2021390925	CROWN EQUIPMENT CORPORATION
2020480772	BEHAULT INDUSTRIAL PROPERTY OFFICE B.V.		COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION; THE BOEING COM- PANY
2020480974	KIMBERLY-CLARK WORLDWIDE, INC.	2021391364	HEGLA BORAIDENT GMBH & CO. KG
2020481267	TERMO-IND SA	2021391453	EUBULUS BIOTHERAPEUTICS INC.
2020482822	JIANGSU XCMG CONSTRUCTION MACHINERY RE- SEARCH INSTITUTE LTD.	2021391539	AGILENT TECHNOLOGIES, INC.
	ZTE CORPORATION	2021391695	CASTELLANA, R.; PIANI, F.
2020482982	W. L. GORE & ASSOCIATES, INC.	2021391729	AEROBEL BV
2020483645	UNIVERSIDAD TECNOLÓGICA METROPOLITANA	2021391882	POLYAMYNA NANOTECH INC.
2020483775	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	2021391884	HUDSON STRATEGIC LIMITED
2020484051	ABB SCHWEIZ AG	2021391885	BIONEXA S.R.L
2020484057	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	2021391977	ORION CORPORATION
2020484060	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	2021392053	AUTOMATIC BAR CONTROLS, INC.
2020484181	DOW GLOBAL TECHNOLOGIES LLC	2021392077	SEQIRUS INC.
2020484352	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	2021392619	ZILLOW, INC.
2020484361	IMAGION BIOSYSTEMS, INC.	2021392645	NEUPHARMA, INC
2021342431	BEIERSDORF AG	2021392794	ROLLS-ROYCE SMR LIMITED
2021373926	BECTON, DICKINSON AND COMPANY	2021392819	HOT SPOT HOLDINGS PTY LTD
2021374695	ADAPTIVENDO LLC	2021392993	NOVAI LTD
2021382738	CRYOGENX LIMITED	2021393081	DOGTOOTH TECHNOLOGIES LIMITED
2021383421	POLY GAIN PTE LTD	2021393107	BREATHE RESTORE, INC.
2021384768	JOCKEY INTERNATIONAL, INC.	2021393426	RANSON, R.
2021385117	CATACKH CO., LTD.	2021393590	AMGEN INC.
2021385309	SMITH, G.	2021393851	Suntec Co., Ltd
2021385423	TAU MEDICAL INC.; TAU MEDICAL INC.	2021393892	KONINKLIJKE DOUWE EGBERTS B.V
2021385571	ARO A BIOSURGERY LIMITED	2021393910	ICEYE OY
2021385935	ARO A BIOSURGERY LIMITED	2021394134	GLOBAL HYDROGEN VENTURES PTY LTD
2021385936	MW PHARMA IP LIMITED	2021394754	GENESYS CLOUD SERVICES HOLDINGS II, LLC
2021385937	CHINA MOBILE (SUZHOU) SOFTWARE TECHNO- LOGY CO., LTD.; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	2021395010	GRAPHIUM BIOSCIENCES, INC.
2021385976	INTRINSIC MEDICINE, INC.	2021395353	ASTRAZENECA AB; MITSUBISHI TANABE PHARMA CORPORATION
2021386143	INDEX PHARMACEUTICALS AB	2021395696	FREEDOM SCREENS CAPITAL PTY LTD
2021386281	LONGYEAR TM, INC.	2021395699	VARDEN PROCESS PTY LTD
2021386382	JANSSSEN PHARMACEUTICA NV	2021395729	UCB BIOPHARMA SRL
2021386450	RHEINMETALL ELECTRONICS GMBH	2021395741	KONINKLIJKE DOUWE EGBERTS B.V.
2021386629	NEVEON GERMANY GMBH	2021395816	ASTRAZENECA AB
2021386702	AESCLAP AG	2021395881	ASTRAZENECA UK LIMITED
2021386707	TRANSLATE BIO, INC.	2021395887	AUSNUTRIA B.V.
2021386737	BIOBAB R&D, S.L.	2021396440	ENPHASE ENERGY, INC.
2021386758	UNIVERSITY OF STRATHCLYDE	2021396734	PQ SILICAS UK LIMITED
2021386789	THE UNIVERSITY OF QUEENSLAND	2021396804	MASSEY VENTURES LIMITED
2021386880	SAMARAWICKRAMA, C.D.	2021396878	OSPEDALE PEDIATRICO BAMBINO GESU'
2021386881	SNBIOSCIENCE INC.	2021397056	FIDELITY INFORMATION SERVICES, LLC
2021387448	SEATTLE FOOD TECH, INC.	2021397402	ADORX THERAPEUTICS LIMITED
2021387663	INTRINSIC MEDICINE, INC.	2021397693	INVETX, INC.
2021387739	BRODA, K.; COTE, K.; SAUER, V.; LISSINNA, C.;	2021397822	HYIVY HEALTH INC.
2021388088	ROBSON, C.	2021397843	NESTE OYJ
2021388169	SERES THERAPEUTICS, INC.	2021397861	DYSON TECHNOLOGY LIMITED
2021388342	KANGSTEM BIOTECH CO., LTD.	2021397864	CHORD THERAPEUTICS SA
2021388458	ARO A BIOSURGERY LIMITED	2021397876	MIXERGY LIMITED
2021388459	ARO A BIOSURGERY LIMITED	2021398385	UCB BIOPHARMA SRL
2021388521	MICROWAVE CHEMICAL CO., LTD.	2021398544	ASTRAZENECA UK LIMITED
2021388842	JANSSSEN PHARMACEUTICA NV	2021398602	BANK OF CANADA; THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO
2021388973	CONSTRUCTION RESEARCH & TECHNOLOGY GMBH	2021398664	BRIDGESTONE CORPORATION
2021389009	GELION TECHNOLOGIES PTY LIMITED	2021399142	FOSECO INTERNATIONAL LIMITED
2021389587	JANSSSEN PHARMACEUTICA NV	2021399149	ROTHAMSTED RESEARCH LIMITED
2021390122	KEYMED BIOSCIENCES CO., LTD	2021399196	DYSON TECHNOLOGY LIMITED
2021390123	KEYMED BIOSCIENCES CO.,LTD	2021399285	SECURITY MATTERS LTD.
2021390182	BIONEXA S.R.L.	2021399292	COUNCIL OF SCIENTIFIC & INDUSTRIAL RE- SEARCH
		2021399662	IFP ENERGIES NOUVELLES
		2021400221	MOMENTA PHARMACEUTICALS, INC.

PCT applications which have entered the National Phase - Numerical Index cont'd

2021400321	THE UNITED STATES OF AMERICA, as represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES; THIRD AFFILIATED HOSPITAL OF SUN YAT-SEN UNIVERSITY		
2021400324	REGENERON PHARMACEUTICALS, INC.	2021404990	LTD; NANTONG SHENDE MEDICAL DEVICE TECHNOLOGY CO., LTD
2021400338	NALU BIO, INC.	2021404998	JMBG GMBH + CO KG
2021400495	THIRDWAYV, INC.	2021405046	JMBG GMBH + CO KG
2021400579	DATTO, INC.	2021405055	TEN CATE THIOLON B.V.
2021400580	W. L. GORE & ASSOCIATES, INC.	2021405064	PHILIP MORRIS PRODUCTS S.A.
2021400610	NIPPON SHEET GLASS COMPANY, LIMITED	2021405064	HYLER BV
2021400660	BECTON, DICKINSON AND COMPANY	2021405069	MUSHLABS GMBH
2021400709	ILDONG PHARMACEUTICAL CO., LTD.	2021405164	SIHEALTH PHOTONICS S.R.L.
2021400733	MEMORIAL SLOAN KETTERING CANCER CENTER; TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE, INC.	2021405381	HOLCIM TECHNOLOGY LTD
2021400738	I2O THERAPEUTICS, INC.	2021405456	LOGOMIX, INC.
2021400841	PROTEAS BIOANALYTICS, INC.	2021405498	TOKAMAK ENERGY LTD; IMPERIAL COLLEGE INNOVATIONS LIMITED
2021400845	ARVADA THERAPEUTICS, INC.	2021405636	SAVENCIA SA
2021400851	UNIVERSITEIT UTRECHT HOLDING B.V.	2021405770	VITO AG
2021400890	NANOFLEX POWER CORPORATION	2021405794	PHILIP MORRIS PRODUCTS S.A.
2021400968	ORCHARD ULTRASOUND INNOVATION LLC	2021405803	PHILIP MORRIS PRODUCTS S.A.
2021400975	BIOARDIS, LLC	2021405805	PHILIP MORRIS PRODUCTS S.A.
2021400976	BIOARDIS, LLC	2021405818	HORAN, P.
2021401039	MEMORIAL SLOAN KETTERING CANCER CENTER	2021405821	HYLER BV
2021401070	QED THERAPEUTICS, INC.	2021406008	TAURUS GMBH & CO. KG
2021401128	UCB BIOPHARMA SRL	2021406104	ABB SCHWEIZ AG
2021401282	ABM THERAPEUTICS CORPORATION	2021406181	3M INNOVATIVE PROPERTIES COMPANY
2021401296	BIOARDIS, LLC	2021406190	SABIC GLOBAL TECHNOLOGIES B.V.
2021401312	PAIGE.AI, INC.	2021406359	SAM - DIMENSION GMBH
2021401329	DRAEGER MEDICAL SYSTEMS, INC.	2021406790	JFE STEEL CORPORATION
2021401403	PRELUDE THERAPEUTICS INCORPORATED	2021407373	ASP GLOBAL MANUFACTURING GMBH
2021401415	REGENERON PHARMACEUTICALS, INC.	2021407384	ORIENT EXPRESS INT'L LTD
2021401427	AVEDRO, INC.	2021407394	BREVILLE PTY LIMITED
2021401542	NAYDENOVA, V.B.; VALAND, D.A.; MONAHOV, B.I.; SHIROV, B.T.	2021407396	THE UNIVERSITY OF QUEENSLAND
2021401729	RAVEN INDUSTRIES, INC.	2021407605	HUAWEI TECHNOLOGIES CO., LTD.
2021401744	ASPEN HEALTHCARE SOLUTIONS LLC	2021407757	SHENZHEN FANGSHENGTAI MEDICAL TECHNOLOGY CO., LTD.
2021401996	KINOXIS THERAPEUTICS PTY LTD	2021407770	BREVILLE PTY LIMITED
2021402000	BREVILLE PTY LIMITED	2021407922	FOSHAN ACXEL BOXIN TECH CO., LTD
2021402085	FOSECO INTERNATIONAL LIMITED	2021408090	BREVILLE PTY LIMITED
2021402149	NIGHTINGALE HEALTH OYJ	2021408091	THE MACFARLANE BURNET INSTITUTE FOR MEDICAL RESEARCH AND PUBLIC HEALTH LTD; GENMAB A/S
2021402160	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES; 3SUN S.R.L.	2021408129	NOVARTIS AG
2021402267	KAAKKOIS-SUOMEN AMMATTIKORKEAKOULU OY	2021408163	HEXO OPERATIONS INC.
2021402673	PURAC BIOCHEM B.V.	2021408214	INNOVENT BIOLOGICS (SUZHOU) CO., LTD.
2021402885	ANGEL GROUP CO., LTD.	2021408275	IFP ENERGIES NOUVELLES
2021402905	LANDIS+GYR INNOVATIONS, INC.	2021408473	MAURER ENGINEERING GMBH
2021402916	NANOVIS, LLC	2021408804	FISHER & PAYKEL APPLIANCES LIMITED
2021402930	SWM LUXEMBOURG	2021408990	KOREA ATOMIC ENERGY RESEARCH INSTITUTE
2021402944	THE JACKSON LABORATORY	2021409007	SUNLIGHTEN, INC.
2021403010	VOYAGER THERAPEUTICS, INC.	2021409095	DAICEL CORPORATION; KYOTO UNIVERSITY
2021403054	TME THERAPEUTICS CO., LTD.	2021409119	CATERPILLAR INC.
2021403089	BIOARDIS, LLC	2021409146	CATERPILLAR INC.
2021403156	GENEVANT SCIENCES GMBH	2021409214	SCHLUMBERGER TECHNOLOGY B.V.
2021403393	IFP ENERGIES NOUVELLES	2021409314	CATERPILLAR INC.
2021403394	IFP ENERGIES NOUVELLES	2021409460	CATERPILLAR INC.
2021403603	UCB BIOPHARMA SRL	2021409568	OAKBIO, INC.
2021403883	TAPOJÄRVI OY	2021409576	FLUIDX MEDICAL TECHNOLOGY, LLC
2021403894	VITRAFY LIFE SCIENCES LIMITED	2021409615	CARGO MAC B.V.
2021403921	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES; 3SUN S.R.L.	2021409716	THE LUBRIZOL CORPORATION
2021403951	UNIVERSIDADE FEDERAL DE MINAS GERAIS - UFMG; SUZANO S.A.	2021409718	ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED
2021404127	BUDDI LIMITED	2021409729	CHROMA MEDICINE, INC.
2021404158	GW RESEARCH LIMITED	2021409799	SSG INTERNATIONAL LLC
2021404159	GW RESEARCH LIMITED	2021409949	SAGE PRODUCTS LLC
2021404413	SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION SUPPLY) PTY LTD	2021409956	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
2021404708	SHANGHAI SHENDE GREEN MEDICAL ERA HEALTHCARE TECHNOLOGY CO., LTD.; SHENDE (NINGBO) MEDICAL DEVICE TECHNOLOGY CO.,	2021409960	ARRAY TECHNOLOGIES, INC.
		2021409964	DUKE UNIVERSITY
		2021410006	ENSOMA, INC.
		2021410011	ISP INVESTMENTS LLC
		2021410021	HACKENSACK MERIDIAN HEALTH CENTER FOR DISCOVERY AND INNOVATION
		2021410093	WAYNE FUELING SYSTEMS LLC

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2021410382	CJ CHEILJEDANG CORPORATION	2021417416	NOKIA TECHNOLOGIES OY
2021410522	GAURIAN CORPORATION; KOLON E&C, INC.	2021417492	SEKISUI HOUSE, LTD.
2021410547	ABBOTT DIABETES CARE INC.	2021417519	IMGT CO, LTD.
2021410602	CATERPILLAR INC.	2021417559	SAMSUNG ELECTRONICS CO., LTD.
2021410616	CATERPILLAR INC.	2021417897	INTERNATIONAL BUSINESS MACHINES CORPORATION
2021410663	SWM LUXEMBOURG	2021418124	AMADEUS S.A.S.
2021410726	MEKANISTIC THERAPEUTICS LLC	2021418225	PUBLIC UNIVERSITY CORPORATION YOKOHAMA CITY UNIVERSITY; TOSOH CORPORATION
2021410730	DRIVE MEDICAL, INC.	2021418416	THE YOKOHAMA RUBBER CO., LTD.
2021410751	INTELLIA THERAPEUTICS, INC.	2021418775	DUG TECHNOLOGY (AUSTRALIA) PTY LTD.
2021410765	ENSOMA, INC.	2021419776	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
2021411041	THE BLUE BOX BIOMEDICAL SOLUTIONS, SL	2021419833	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
2021411062	SABIC GLOBAL TECHNOLOGIES B.V.	2021420432	BAOSHAN IRON & STEEL CO., LTD.
2021411103	1E THERAPEUTICS, LTD.	2021420567	CLEARSTREAM TECHNOLOGIES LIMITED
2021411133	UNICHARM CORPORATION	2021420707	PARITY QUANTUM COMPUTING GMBH
2021411189	I-SENS, INC.; SOGANG UNIVERSITY RESEARCH & BUSINESS DEVELOPMENT FOUNDATION	2021420762	SIEMENS AKTIENGESSELLSCHAFT
2021411494	COMBINATI INCORPORATED	2021420770	ECOLEAN AB
2021411506	ABBVIE INC.	2021421112	PRAXAIR TECHNOLOGY, INC.
2021411579	ALNYLAM PHARMACEUTICALS, INC.	2021421598	PRAXAIR TECHNOLOGY, INC.
2021411580	DUKE UNIVERSITY	2021423180	CJ CHEILJEDANG CORPORATION
2021411601	UOP LLC	2021423472	MITSUBISHI ELECTRIC CORPORATION
2021411660	BIOTYX MEDICAL (SHENZHEN) CO., LTD.	2021425551	ZHEJIANG CFMOTO POWER CO., LTD
2021411698	REC SOLAR PTE. LTD.	2021426845	CHANNEL MEDSYSTEMS, INC.
2021411709	NOVAMONT S.P.A.	2021428613	COLDQUANTA, INC.
2021411747	PALEO B.V.	2021428628	PRECISION PLANTING LLC
2021411968	COOKIES CREATIVE CONSULTING & PROMOTIONS, INC.	2021428696	THE YOKOHAMA RUBBER CO., LTD.
2021411980	ADVANCED NEUROMODULATION SYSTEMS, INC.	2021431729	HALLIBURTON ENERGY SERVICES, INC.
2021412269	GLOBE (JIANGSU) CO., LTD.	2021432358	OMEV SNC DI VIRGINIO E FIGLI
2021412289	DEFRANCQ, H.	2021432534	MITSUBISHI ELECTRIC CORPORATION; MITSUBISHI ELECTRIC HOME APPLIANCE CO., LTD.
2021412299	REC SOLAR PTE. LTD.	2021435646	ITRON, INC.
2021412316	BASF SE	2021438118	HALLIBURTON ENERGY SERVICES, INC.
2021412336	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; NANTES UNIVERSITE; UNIVERSITE DE PICARDIE JULES VERNE	2021474089	VOLIN, D.
2021412369	CeMM - FORSCHUNGSZENTRUM FÜR MOLEKULARE MEDIZIN GMBH; MEDIZINISCHE UNIVERSITÄT WIEN; UNIVERSITÉ DE LAUSANNE	2022204950	PURDUE RESEARCH FOUNDATION; LOW, P.S.; SRINIVASARAO, M.; LUO, W.
2021412388	VESTATIS GMBH	2022205056	HEARTLAND AG TECH, INC.
2021412502	CANNAMORE BIOTECHS LTD.	2022205057	MERSANA THERAPEUTICS, INC.
2021412659	DELOITTE TOUCHE TOHMATSU LLC	2022205084	PATERNA BIOSCIENCES INC.
2021412908	BOSTON SCIENTIFIC SCIMED, INC.	2022205114	DRANCO, NAAMLÖZE VENNOOTSCHAP
2021413069	ASPIRE NORTH AMERICA LLC	2022205358	VULCANFORMS INC.
2021413227	ELEPHAS BIOSCIENCES CORPORATION	2022205389	KEYSTONE BIO, INC.; UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC.
2021413228	SARCOS CORP.	2022205425	EVOQUA WATER TECHNOLOGIES LLC
2021413371	KYMERA THERAPEUTICS, INC.	2022205427	IBEX BIOSCIENCES, LLC
2021413737	EQUINIX, INC.	2022205523	3B PHARMACEUTICALS GMBH
2021413753	REJUVENATION TECHNOLOGIES INC.	2022205644	BECTON, DICKINSON AND COMPANY
2021413867	ACADEMIA SINICA	2022205670	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM
2021413870	SARCOS CORP.	2022205800	TELEA ELECTRONIC ENGINEERING SRL; AZIENDA ULSS 8 BERICA
2021413871	SARCOS CORP.	2022205801	RADIUS HEALTH, INC.
2021413954	CJ CHEILJEDANG CORPORATION	2022205802	NATIONAL RESEARCH COUNCIL OF CANADA
2021414124	THE JACKSON LABORATORY	2022205904	H2 NORWAY AS
2021414136	RAPTOR VISION, LLC	2022205936	OTSUKA AMERICA INC.; CLICK THERAPEUTICS, INC.
2021414144	UOP LLC	2022205937	IMBRIA PHARMACEUTICALS, INC.
2021414216	PERFORMANCE PULSATION CONTROL, INC.	2022205967	MOSHUN, LLC.
2021414759	MOCHIDA PHARMACEUTICAL CO., LTD.	2022206102	DE LA RUE INTERNATIONAL LIMITED
2021415294	TRACXONE LTD.	2022206132	SUNTORY HOLDINGS LIMITED
2021415468	GENESYS CLOUD SERVICES HOLDINGS II, LLC	2022206197	SELECTA BIOSCIENCES, INC.
2021415745	I-SENS, INC.; SOGANG UNIVERSITY RESEARCH & BUSINESS DEVELOPMENT FOUNDATION	2022206390	THE UNIVERSITY OF LIVERPOOL
2021415916	GENESYS CLOUD SERVICES HOLDINGS II, LLC	2022206419	CAAMTECH, INC.
2021416090	NEW YORK UNIVERSITY	2022206421	NEURELIS, INC.
2021416169	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2022206448	CAAMTECH, INC.
2021416175	H.P. SHELBY MANUFACTURING LTD.	2022206999	THE NATIONAL INSTITUTES OF PHARMACEUTICAL R&D CO., LTD
2021416193	PRECEPTIS MEDICAL, INC.	2022207066	AGEX THERAPEUTICS, INC.
2021416430	SUNTORY HOLDINGS LIMITED	2022207086	PALINTEST LIMITED
2021416859	CONFLUX TECHNOLOGY PTY LTD	2022207090	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2021417051	BOSTON SCIENTIFIC LIMITED		
2021417052	SOCIETE DES PRODUITS NESTLE SA		
2021417233	EMBER TECHNOLOGIES, INC.		

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2022207185	SPARK THERAPEUTICS, INC.	2022224484	CROWN EQUIPMENT CORPORATION
2022207359	MSM MILLING PTY LTD	2022224530	PRECISION PLANTING LLC
2022207483	WOODS HOLE OCEANOGRAPHIC INSTITUTION	2022224994	EPIROC ROCK DRILLS AKTIEBOLAG
2022207615	F. HOFFMANN-LA ROCHE AG	2022226921	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022207624	F. HOFFMANN-LA ROCHE AG	2022230312	OTSUKA PHARMACEUTICAL CO., LTD.
2022207651	NANO CATS GMBH	2022230469	ILLUMINA, INC.
2022207765	RIVULIS PLASTRO LTD.	2022233198	DORMAKABA CANADA INC.
2022207894	ABLE INNOVATIONS INC.	2022233250	ARMACELL ENTERPRISE GMBH & CO. KG
2022207920	DEVICO AS	2022233709	ARMACELL ENTERPRISE GMBH & CO. KG
2022207974	GLOFISH, LLC	2022233847	ARMACELL ENTERPRISE GMBH & CO. KG
2022208035	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	2022234027	BRILLIANT LIGHT POWER, INC.
2022208061	CREARE LLC	2022235946	BIOFRONT LTD
2022208199	VIROXIS; INSTITUT PASTEUR; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INSTITUT GUSTAVE ROUSSY (IGR)	2022237705	EXEGER OPERATIONS AB
2022208240	IPSEN BIOPHARM LIMITED	2022238281	FLEXICON CORPORATION
2022208299	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	2022250944	HITACHI, LTD.
2022208375	VISCIDI, R.P.; PIVEN, C.J.	2022255463	VICTAULIC COMPANY
2022208500	HONEYWELL INTERNATIONAL INC.	2022283701	Hanwha Corporation
2022208884	BAOSHAN IRON & STEEL CO., LTD.	2022283740	Hanwha Corporation
2022208919	INSTITUTE FOR ADVANCED ENGINEERING	2022283741	Hanwha Corporation
2022209155	THE GLAD PRODUCTS COMPANY	2022283746	Hanwha Corporation
2022209518	BMC (TIANJIN) MEDICAL CO., LTD.	2022283749	Hanwha Corporation
2022209699	NBO PHARMA LLC	2022283791	Hanwha Corporation
2022209730	REGENERON PHARMACEUTICALS, INC.	2022299180	EION CORP.
2022210206	PROTEOR USA, LLC	2022316518	Hyundai Oilbank Co., Ltd.; Wooroung Co., Ltd
2022210295	ASAHI KASEI BIOPROCESS AMERICA, INC.	2022325172	China University of Mining and Technology
2022210349	ERGON, INC.	2022331911	Colgate-Palmolive Company
2022210374	SYNGENTA CROP PROTECTION AG	2022331912	Beijing Sanyuan Foods Co., Ltd.
2022210460	EXTRAKT PROCESS SOLUTIONS, LLC	2022335875	Colgate-Palmolive Company
2022210466	EMERGEX, LLC	2022340808	SCOUT BIO, INC.
2022210469	THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC.; WALTER REED ARMY INSTITUTE OF RESEARCH	2022348884	ZHONGWEI NEW ENERGY (CHENGDU) CO., LTD.
2022210592	REGENXBIO INC.	2022358137	REMEGEN CO., LTD.
2022211181	SAFEGUARD BIOSYSTEMS HOLDINGS LTD	2022368365	CHINA UNIVERSITY OF MINING AND TECHNOLOGY; XUZHOU KERUI MINING TECHNOLOGY CO., LTD.
2022211205	AG PLENUS LTD	2022376688	DEEP ROOT IRRIGATION, LLC
2022211325	ZIMMER, INC.	2022383965	CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED
2022211381	HENDRICKSON USA, L.L.C.	2022400984	AUMA RIESTER GMBH & CO. KG
2022211588	ARTEDRONE	2022402780	TIANQI LITHIUM GENESIS TECHNOLOGY (SHENZHEN) LTD.
2022212487	F. HOFFMANN-LA ROCHE AG	2022404321	EVE POWER CO., LTD.
2022212602	BAYER AKTIENGESELLSCHAFT; BAYER AS		
2022212797	LANDIS+GYR INNOVATIONS, INC.		
2022213195	CYTIVA BIOPROCESS R&D AB		
2022213822	DOMETIC SWEDEN AB		
2022214068	PIONEER HI-BRED INTERNATIONAL, INC.		
2022214187	SAGE THERAPEUTICS, INC.		
2022214328	CARPENTER, M.C.; ACKERMAN, M.E.; HUANG, Y.H.		
2022214931	ZIMMER, INC.		
2022215022	INNOLITH TECHNOLOGY AG		
2022215359	SEKISUI HOUSE, LTD.		
2022215561	CARISMA THERAPEUTICS INC.		
2022216448	DEVELOPERATION AB		
2022216893	ALCON INC.		
2022218162	ALLOGENE THERAPEUTICS, INC.		
2022218177	HINGE HEALTH, INC.		
2022218707	ENERGY EXPLORATION TECHNOLOGIES, INC.		
2022219416	UVEX ARBEITSSCHUTZ GMBH		
2022219482	DEO N.V.		
2022219517	BOEHRINGER INGELHEIM INTERNATIONAL GMBH; CDR-LIFE AG		
2022220512	MEDILINK THERAPEUTICS (SUZHOU) CO., LTD.		
2022220541	ERGOMOTION, INC.		
2022222134	EISAI R&D MANAGEMENT CO., LTD.		
2022222712	SUNTORY HOLDINGS LIMITED		
2022223508	PRECISION PLANTING LLC		
2022223735	PRECISION PLANTING LLC		
2022224363	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.		

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2022207894	2021388342	2022205937	<u>A61L 2 /-</u>	<u>A61N 1 /-</u>	2021401996
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2021397822	2021410006	2021385937	<u>A61L 24 /-</u>	2021401427	2021407757
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2021395353	2022207185	2022207615	2021385936	2022214187	2021391885
2021395816	2022208240	2022207624	2021388458	<u>A61P 17 /-</u>	2021400851
2021397402	2022209699	2022212602	2021388459	2021373926	2021402916
2021397864	2022214328	<u>A61K 8 /-</u>	<u>A61L 11 /-</u>	2021390182	2021409956
2021399292	<u>A61K 39 /-</u>	2021373926	2021393107	2021391695	2021412388
2021400338	2021390122	2021391885	<u>A61M 15 /-</u>	2021391885	2022206390
2021401070	2021390123	2021396734	2021405803	2021395816	2022208199
2021401128	2021391539	2021405164	2021405805	<u>A61P 19 /-</u>	2021384768
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2021401415	2021396878	2022331911	2022205644	2021391885	2021391885
2021401415	2021398544	2022335875	<u>A61M 11 /-</u>	2021395816	2021402916
2021403603	2021400221	<u>A61K 9 /-</u>	2021385935	<u>A61P 33 /-</u>	2021409956
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2021408129	2021408091	202138737	<u>A61M 11 /-</u>	2021391695	<u>A61P 33 /-</u>
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2021409956	2022205670	2021388842	2021405803	2021395816	2021387448
2021410726	2022206197	2021389587	2021405805	2021391885	2021390122
2021411506	2022206421	2021390199	<u>A61M 27 /-</u>	2021401996	2021390123
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2021412388	2022206999	2021400709	2021388458	2022205801	2021391539
2021412502	2022212487	2021401070	<u>A61M 27 /-</u>	<u>A61P 21 /-</u>	2021391885
2021413753	2022214187	2021401128	2021385935	2021386143	2021391977
2022204950	2022224363	2021408163	2021385936	2021387739	2021395816
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<u>C04B 111 /-</u>	2022283701	<u>C07D 209 /-</u>	2021404159	2022204950	2021416169
2022233250	<u>C06B 45 /-</u>	2021407396	<u>C07D 273 /-</u>	2022212487	2021418225
2022233709	2022283701	<u>C07D 211 /-</u>	2021404159	2021391977	2022205523
2022233847	<u>C06B 47 /-</u>	2021401282	2022235946	2021401403	2022208199
<u>C04B 12 /-</u>	2022283701	<u>C07D 213 /-</u>	<u>C07D 263 /-</u>	2021407396	2022208375
2021403883	<u>C07C 1 /-</u>	2021395353	2021395353	2022204950	2022210469
<u>C04B 24 /-</u>	2022208919	2021404159	2021404159	2022212487	<u>C07K 16 /-</u>
2021405381	<u>C07C 13 /-</u>	2021407396	<u>C07D 277 /-</u>	2022212487	2021390122
<u>C04B 26 /-</u>	2021395353	2021410726	2022235946	<u>C07D 487 /-</u>	2021390123
2022210349	2021413371	<u>C07D 215 /-</u>	2021395353	2021395353	2021391539
2022233250	<u>C07C 209 /-</u>	2021407396	2022235946	2021395816	2021393590
2022233709	2021386702	<u>C07D 231 /-</u>	<u>C07D 307 /-</u>	2021397402	2021395729
2022233847	<u>C07C 215 /-</u>	2021395353	2021395353	2021401996	2021396878
<u>C04B 28 /-</u>	2021400338	2021404158	<u>C07D 311 /-</u>	2022206448	2021397693
2021403883	2021404159	2022235946	2021407396	2022212487	2021398385
2021405381	<u>C07C 23 /-</u>	<u>C07D 233 /-</u>	2021395353	<u>C07D 491 /-</u>	2021400221
2022233250	2021413371	2021407396	2022235946	2021401996	2021400733
2022233709	<u>C07C 235 /-</u>	2021404159	<u>C07D 333 /-</u>	2021410726	2021400975
2022233847	2021395353	2022235946	2021390182	<u>C07D 493 /-</u>	2021400976
<u>C04B 30 /-</u>	<u>C07C 259 /-</u>	<u>C07D 235 /-</u>	2021400338	2021401296	2021401415
2022233250	2021407396	2021404159	<u>C07D 339 /-</u>	2021401415	2021403010
2022233709	2021413371	2021407396	2021395353	2021395353	2021403089
2022233847	<u>C07C 275 /-</u>	2021404159	2022235946	2022205670	2021408091
<u>C04B 35 /-</u>	2021395353	<u>C07D 237 /-</u>	<u>C07D 311 /-</u>	2021410021	2021410021
2021405498	2021407396	2021395353	2021390182	2021412369	2021418225
<u>C04B 7 /-</u>	<u>C07C 275 /-</u>	2022235946	2021400338	2022205057	2022205389
2021403883	2021407396	<u>C07D 239 /-</u>	<u>C07D 333 /-</u>	2022205427	2022205427
<u>C05B 11 /-</u>	<u>C07C 39 /-</u>	2021395353	2021395353	2022207615	2022210469
2021411062	2021400338	2022206999	2022235946	2022210469	2022219517
			<u>C07D 401 /-</u>	2022220512	2022220512
			2021391977	202222134	2022340808
			2021392645	<u>C07H 1 /-</u>	<u>C07K 19 /-</u>
			2021401282	2022213195	2022358137
			2021401403	<u>C07H 15 /-</u>	<u>C07K 7 /-</u>
			2021403603	2022205802	2021416090
			2021410726	<u>C07H 21 /-</u>	2022205523
			<u>C07D 403 /-</u>	2021415745	<u>C08F 212 /-</u>
			2021391977	2021415745	2020484352
			2021399292	<u>C07F 5 /-</u>	<u>C08F 220 /-</u>
			2021408129	2021412336	2021416090
			2021410726	<u>C07H 3 /-</u>	2022205523
			2022206999	2021387739	<u>C07K 1 /-</u>
			2022235946	<u>C07K 1 /-</u>	2021411189
				2021410021	

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2021411189	2021403951	2021386737	2022205114	2021406790	2022205967
<u>C08J 11 /-</u>	<u>C09D 5 /-</u>	2021390123	<u>C12Q 1 /-</u>	<u>C25D 5 /-</u>	<u>E06B 9 /-</u>
2021386702	2021391882	2021392077	2021374695	2021406790	2021395696
2021399662		2021398544	2021395887		
2021403393	<u>C09D 7 /-</u>	2021399149	2021400841	<u>D02G 3 /-</u>	<u>E06C 1 /-</u>
2021403394	2021391882	2021400841	2021405456	2021400610	2021385423
<u>C08J 5 /-</u>	2021403951	2021403156	2021411189		
2021411709	<u>C10B 49 /-</u>	2021405456	2021411494	<u>D21H 17 /-</u>	<u>E21B 1 /-</u>
	2021409568	2021408091	2021415745	2020480101	2021414216
<u>C08J 7 /-</u>	2021414144	2021409729	2022205084		
2021413867	<u>C10B 53 /-</u>	2021409964	2022211181	<u>D21H 21 /-</u>	<u>E21B 17 /-</u>
	2021414144	2021410751	2022214068	2020480101	2021431729
<u>C08J 9 /-</u>		2021410765	2022230312		
2021410663	<u>C10G 29 /-</u>	2021411103	<u>C12R 1 /-</u>	<u>D21H 25 /-</u>	<u>E21B 23 /-</u>
	2021408275	2021416169	2021386758	2020480101	2021438118
<u>C08K 3 /-</u>		2021418225	<u>C21C 1 /-</u>	<u>D21J 3 /-</u>	<u>E21B 33 /-</u>
2021386880	<u>C10G 3 /-</u>	2021423180	2021399142	2021395699	2021431729
	2021397843	2022205802	2021402085	<u>E01C 13 /-</u>	2021438118
<u>C08K 5 /-</u>		2022206197	<u>C21C 5 /-</u>		
2020484352	<u>C10J 3 /-</u>	2022207974	2021399142	<u>E02D 3 /-</u>	<u>E21B 34 /-</u>
2021386702	2021421598	2022208199	2021402085	2021388973	2021431729
<u>C08L 5 /-</u>		2022210592	<u>C21C 7 /-</u>	<u>E02F 3 /-</u>	<u>E21B 43 /-</u>
2021395699	<u>C10K 3 /-</u>	2022213195	2021399142	2021404413	2021438118
	2021421112	2022222134	2021402085	<u>E02F 9 /-</u>	<u>E21B 47 /-</u>
<u>C08L 71 /-</u>	2021421598	<u>C12N 5 /-</u>	<u>C21D 8 /-</u>	2021392819	2022207920
2021386880	<u>C10L 1 /-</u>	2021403054	2022208884	2021404413	<u>E21B 7 /-</u>
	2021397843	2021410751	<u>C22B 11 /-</u>	2021474089	2022207920
<u>C08L 97 /-</u>	2021409716	2021413867	2021390415	<u>E03B 3 /-</u>	<u>E21D 20 /-</u>
2021395699		2021414759	<u>C22B 3 /-</u>	2021474089	2021388973
<u>C09B 23 /-</u>	<u>C10L 10 /-</u>	2021416169	2021390415	<u>E04B 5 /-</u>	2021404990
2021412336	2021421598	2022205084	2022210460	2021410522	2021404998
<u>C09B 57 /-</u>		2022207066	<u>C22C 1 /-</u>		<u>E21D 21 /-</u>
2021412336	<u>C10L 3 /-</u>	2022209730	2021405498	<u>E04B 7 /-</u>	2021404990
	2021409716	2022214328	<u>C22C 38 /-</u>	2022215359	<u>E21D 9 /-</u>
<u>C09D 101 /-</u>	<u>C10L 10 /-</u>	<u>C12N 7 /-</u>	2022208884	<u>E04C 3 /-</u>	2021388973
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		2021398544	2021390415	<u>E04C 5 /-</u>	2021405770
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<u>C09D 177 /-</u>	<u>C12M 1 /-</u>	2021410751	2022218707		
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	2021413867	2022205523	<u>C25B 11 /-</u>		
<u>C09D 133 /-</u>	<u>C12M 3 /-</u>	2022206419	2022207651		
2020484352	2021414759	2022207185	2022234027		
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2021413867		2021408214			
<u>C09D 133 /-</u>	<u>C12M 3 /-</u>	2021414759			
2020484352	2021414759	<u>C12P 23 /-</u>			
<u>C09D 171 /-</u>	<u>C12N 1 /-</u>	2021409568			
2021413867	2021386758	<u>C12P 39 /-</u>			
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	2021403894		2021413227	2022219416	2021415916
<u>F16C 13 /-</u>	<u>F25J 3 /-</u>	<u>G01F 17 /-</u>	2021416090		
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			2022205523	2021402930	2022208500
<u>F16C 33 /-</u>	<u>F28D 1 /-</u>	<u>G01F 23 /-</u>	<u>G01R 19 /-</u>		
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				2021406359	2021406104
<u>F16D 13 /-</u>	<u>F28D 7 /-</u>	<u>G01F 25 /-</u>	<u>G01R 27 /-</u>	<u>G03B 21 /-</u>	2021413737
2021431729	2021416859	2021410093	2021402000	2021474089	<u>G06K 19 /-</u>
					2021386707
<u>F16F 7 /-</u>	<u>F28F 1 /-</u>	<u>G01H 17 /-</u>	<u>G01R 31 /-</u>	<u>G05B 13 /-</u>	2021402885
2021408473	2021416859	2022283746	2020479043	2021406104	2021404127
			2021420762		
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2022207765	2021416175	2021409095	2021393910	2021406104	2021402885
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					2021428613
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				2021413228	2022210466
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2021394134	2021416175	2021401329	2021410011	2022224484	<u>G06N 3 /-</u>
		2021409214		2022224994	
<u>F23G 5 /-</u>	<u>F42B 6 /-</u>	2021410011	<u>G01T 7 /-</u>	2022325172	2021415916
2021414144	2021416175	2022207086		2022368365	2022210466
		2022207483	2021410011		
<u>F23G 7 /-</u>	<u>F42C 19 /-</u>	2022230469	<u>G01V 1 /-</u>	<u>G05D 7 /-</u>	<u>G06N 5 /-</u>
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2021414144		2021388521		<u>G06F 1 /-</u>	<u>G06Q 10 /-</u>
				2021417559	2020484060
<u>F24F 8 /-</u>	<u>F42D 1 /-</u>	<u>G01N 23 /-</u>	<u>G01V 3 /-</u>		2021386707
2021432534	2022283741	2021386382	2021388521	<u>G06F 11 /-</u>	
	2022283749	2021399285		2021397056	<u>G06Q 20 /-</u>
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2021397876	<u>G01B 1 /-</u>	2021409095	2021405164	<u>G06F 16 /-</u>	
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2021397876	2021403951	2021411189	2021398602	2021401039	2021392619
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2021409960	2020482822	<u>G01N 33 /-</u>	<u>G02B 27 /-</u>	<u>G06F 21 /-</u>	<u>G06T 19 /-</u>
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		2021400841	2021398602	2021419833	2021417897
<u>F25D 29 /-</u>	<u>G01F 1 /-</u>	2021402000	<u>G02B 6 /-</u>		2022299180
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		2021408091	2022207483	2021401039	
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2021417052	2022234027	<u>H01R 13 /-</u>	<u>H04L 9 /-</u>	2021405055
2021418124	<u>G21C 13 /-</u>	2022400984	2021386629	<u>H05H 1 /-</u>
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<u>G08B 13 /-</u>	<u>G21C 19 /-</u>	2021397876	2021417416	
2021414136	2021392794	2021423472	<u>H04M 3 /-</u>	<u>H05K 5 /-</u>
<u>G08B 21 /-</u>	<u>G21F 1 /-</u>	<u>H02J 50 /-</u>	2021394754	2021409314
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2021398664	2021412336	<u>H02M 7 /-</u>	<u>H04R 1 /-</u>	
<u>G16C 20 /-</u>	2022237705	2021409314	2021417559	
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2021386707	<u>H01J 49 /-</u>	<u>H02P 25 /-</u>	<u>H04W 12 /-</u>	
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	2021386880		2021400495	
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	2021397861			
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 (11) AU-B-2020361132
 (21) 2020361132 (22) 02.10.2020
 (54) Dual hearing protection system
 (51) Int. Cl.
H04R 1/10 (2006.01)
A61F 11/06 (2006.01)
 (87) WO2021/064658
 (31) 62/909,989 (32) 03.10.19 (33) US
 (43) 08.04.2021
 (44) 13.07.2023
 (72) HENRY, Paul D.; ALBEAN, David L.;
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(71) A'Bear, A.
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 (21) 2017204888 (22) 14.07.2017
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 (72) A'Bear, Alan Mark
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 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (54) Crystalline dimethyl tryptamine analogues
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 (54) COMPOSITIONS AND METHODS OF MODULATING S-NITROSYLATION
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A61Q 19/10 (2006.01)
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B01D 53/02 (2006.01)
B01D 53/18 (2006.01)
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C08G 77/26 (2006.01)
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G06T 7/00 (2006.01)
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H04N 5/14 (2006.01)
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G06F 17/11 (2006.01)
G06N 3/02 (2006.01)
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B65D 39/02 (2006.01)
B65D 39/04 (2006.01)
B65D 41/46 (2006.01)
B65D 47/36 (2006.01)
B65D 51/20 (2006.01)
B65D 55/06 (2006.01)
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C25B 3/25 (2021.01)

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G06N 3/08 (2006.01)

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A61F 2/42 (2006.01)
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G01S 19/42 (2010.01)
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C07D 417/12 (2006.01)
A61P 35/00 (2006.01)
C07D 417/14 (2006.01)
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H01J 35/06 (2006.01)
H05G 1/00 (2006.01)
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B01L 3/00 (2006.01)
F16K 99/00 (2006.01)
G01N 1/18 (2006.01)
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F04D 29/44 (2006.01)

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A61K 31/203 (2006.01)
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A61K 9/00 (2006.01)
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F21V 21/096 (2006.01)
F21V 23/04 (2006.01)
H01M 10/0525 (2010.01)
H02J 50/20 (2016.01)
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F21Y 115/10 (2016.01)
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G01N 21/64 (2006.01)
B82Y 15/00 (2011.01)
C09K 11/06 (2006.01)
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H02G 15/04 (2006.01)
B60L 53/16 (2019.01)
G01K 7/22 (2006.01)
H01R 13/04 (2006.01)
H01R 13/20 (2006.01)
H01R 24/28 (2011.01)
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B22F 3/105 (2006.01)
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D01F 8/06 (2006.01)
D01F 1/06 (2006.01)
D01F 1/10 (2006.01)
D06M 17/06 (2006.01)
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 (51) Int. Cl.
C07K 14/55 (2006.01)
A61K 38/00 (2006.01)
C07K 19/00 (2006.01)
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 (74) Spruson & Ferguson

(71) Westinghouse Air Brake Technologies Corporation
 (11) AU-B-2020279614
 (21) 2020279614 (22) 13.05.2020
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 (51) Int. Cl.
E05F 15/56 (2015.01)
B60J 5/06 (2006.01)
E05D 15/10 (2006.01)
E05F 15/643 (2015.01)
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 (74) Phillips Ormonde Fitzpatrick

(71) Wing Aviation LLC
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 (51) Int. Cl.
G05D 1/02 (2020.01)
B64C 39/02 (2006.01)
G05D 1/00 (2006.01)
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(71) Wing Aviation LLC
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 (51) Int. Cl.
G01C 21/16 (2006.01)
G05D 1/10 (2006.01)
G06T 7/73 (2017.01)
G08G 5/00 (2006.01)
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A23K 20/105 (2016.01)
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C07C 49/713 (2006.01)
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E04G 21/32 (2006.01)
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 (54) Method and system for providing inter-active parking management via artificial intelligence analytic (AIA) services using cloud network
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G06Q 50/30 (2012.01)
G06F 15/16 (2006.01)
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(71) Xiamen Vivohealths Technology Co., Ltd.
 (11) AU-B-2020274362
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 (54) Substituted fluorine-containing imidazole salt compound, preparation method therefor, pharmaceutical composition thereof and use thereof
 (51) Int. Cl.
C07D 233/68 (2006.01)
A61K 31/4184 (2006.01)
A61P 1/16 (2006.01)
A61P 3/06 (2006.01)
A61P 25/28 (2006.01)
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 (74) FB Rice Pty Ltd

(71) Xynomic Pharmaceuticals, Inc.
 (11) AU-B-2022201044
 (21) 2022201044 (22) 17.02.2022
 (54) Crystalline salts of a B-RAF kinase inhibitor
 (51) Int. Cl.
C07D 471/04 (2006.01)
A61K 31/519 (2006.01)
A61P 35/00 (2006.01)
 (43) 10.03.2022
 (44) 13.07.2023
 (62) 2018355528
 (72) Werthmann, Ulrike; Maier, Gerd-Michael; Betzemeier, Bodo; Schaaf, Otmar
 (74) FPA Patent Attorneys Pty Ltd

(71) Zebra Technologies Corporation
 (11) AU-B-2022201964
 (21) 2022201964 (22) 22.03.2022
 (54) Layout generation for location-tracking sensors
 (51) Int. Cl.
G06T 7/292 (2017.01)
G01D 21/00 (2006.01)

G06V 20/52 (2022.01)
H04W 4/80 (2018.01)
 (31) 17/355,652 (32) 23.06.21 (33) US
 (43) 19.01.2023
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 (74) Spruson & Ferguson

(71) Zhejiang Chint Electrics Co., Ltd.
 (11) AU-B-2020381661
 (21) 2020381661 (22) 14.11.2020
 (54) Plug-in circuit breaker
 (51) Int. Cl.
H01H 71/02 (2006.01)
 (87) WO2021/093874
 (31) 201911121722.1 (32) 15.11.19 (33) CN
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 (74) IP SOLVED (ANZ) PTY. LTD.

Zhejiang GenFleet Therapeutics Co., Ltd. see GenFleet Therapeutics (Shanghai) Inc.
 (21) 2020288270

Zhejiang Jinko Solar Co. Ltd. see Shanghai Jinko Green Energy Enterprise Management Co. Ltd.
 (21) 2023200988

(71) ZTE Corporation
 (11) AU-B-2019461142
 (21) 2019461142 (22) 15.08.2019
 (54) Methods and devices for assisting cell reselection and paging
 (51) Int. Cl.
H04W 24/04 (2009.01)
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 (43) 18.02.2021
 (44) 13.07.2023
 (72) LI, Wenting; HUANG, He
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(71) ZTE Corporation
 (11) AU-B-2020327082
 (21) 2020327082 (22) 30.07.2020
 (54) Target parameter determination method, communication node and storage medium
 (51) Int. Cl.
H04L 5/00 (2006.01)
H04L 1/18 (2006.01)
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 (74) GLMR

(71) ZTE Corporation
 (11) AU-B-2020352350
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(54) Information reporting and receiving methods, apparatus, terminal, service node, and storage medium
 (51) Int. Cl.
H04W 74/08 (2009.01)
H04W 24/10 (2009.01)
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 (74) GLMR

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 (11) AU-B-2020360329
 (21) 2020360329 (22) 28.09.2020
 (54) Random access method and device, and first communication node and second communication node
 (51) Int. Cl.
H04W 74/00 (2009.01)
H04W 74/08 (2009.01)
 (87) WO2021/063323
 (31) 201910944026.4 (32) 30.09.19 (33) CN
 (43) 08.04.2021
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 (74) GLMR

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2016225935	Able High International Ltd.	2017390079	Sumitomo Electric Industries, Ltd.
2016315478	Novavax, Inc.	2017414684	BL Technologies, Inc.
2016323440	Amgen Inc.	2017418693	Solight Ltd.
2016336063	Universidad de Chile	2017420696	Halliburton Energy Services, Inc.
2016344770	Metabogen AB	2017431429	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2016348632	The Board of Trustees of the University of Illinois	2017434770	ShawCor Ltd.
2016349392	The United States of America, as represented by the Secretary, Department of Health and Human Services; The Trustees of Columbia University in the City of New York	2018200235	ABUS August Bremicker Söhne KG
2016375869	Sutura Therapeutics Ltd	2018200693	The Boeing Company
2016396401	Centro Nacional de Investigaciones Cardiovasculares Carlos III (F.S.P.); Consejo Superior de Investigaciones Científicas; Universidad Autónoma de Madrid	2018201145	Groz-Beckert KG
2016426574	Euro-Celtique S.A.	2018202293	Welspun Flooring Limited
2016434850	Electrolux Appliances Aktiebolag	2018203296	Medos International Sarl
2016434860	Electrolux Appliances Aktiebolag	2018207302	Drawbridge Health, Inc.
2016434981	Electrolux Appliances Aktiebolag	2018208667	Palo Alto Research Center Incorporated
2017204729	Deere & Company	2018214226	Grains Research and Development Corporation (GRDC)
2017204888	A'Bear, A.	2018214954	The United States of America, as represented by the Secretary, Department of Health and Human Services
2017207082	National University Corporation Chiba University; Eisai Randd Management Co., Ltd.	2018216627	Genea IP Holdings Pty Limited
2017219144	Deere & Company	2018216658	Avent, Inc.
2017246638	Cold Spring Harbor Laboratory	2018219332	Natural Ocean Well Co.
2017248276	Oyster Point Pharma, Inc.	2018219637	Eisai R&D Management Co., Ltd.
2017252427	Vaccinex, Inc.	2018219671	OncoBeta International GmbH
2017257274	The Broad Institute, Inc.; Massachusetts Institute of Technology	2018219975	CSR Building Products Limited
2017258776	Spark Therapeutics, Inc.	2018224306	Saudi Arabian Oil Company
2017258948	Hunter Douglas Industries B.V.	2018225436	The Board of Regents of the University of Texas System
2017259056	University of Manitoba	2018226868	Mansell, J.
2017260630	Exact Sciences Corporation; Mayo Foundation for Medical Education and Research	2018228725	REMIS Gesellschaft für Entwicklung und Vertrieb von technischen Elementen mbH
2017263716	Murdoch Childrens Research Institute	2018230599	AGCO Corporation
2017265029	Deere & Company	2018230602	AGCO Corporation
2017293294	Fugro N.V.	2018230991	Venatorx Pharmaceuticals, Inc.
2017293758	Auckland UniServices Limited	2018231326	Hilti Aktiengesellschaft
2017294962	Bayer CropScience Aktiengesellschaft	2018233490	Domodom Holding ApS
2017295704	President and Fellows of Harvard College	2018234244	Prevor International
2017296007	Crown Packaging Technology, Inc.	2018241053	Thomson Reuters Enterprise Centre GmbH
2017296249	H2 Water Technologies Ltd	2018241873	Flechsigt, T.
2017300026	ObsEva S.A.	2018242112	Sony Corporation
2017311405	Temple University Of The Commonwealth System Of Higher Education	2018244460	Johnson & Johnson Consumer Inc.
2017313763	Cordance Medical Inc.	2018244758	The Board of Trustees of the University of Illinois
2017316292	Climate LLC	2018249358	Becton, Dickinson and Company
2017327392	Rasna Research Inc.	2018249598	Tranquillo, R.; Syedain, Z.
2017330379	Memorial Sloan Kettering Cancer Center	2018250581	Stepan Company
2017335828	Board of Regents of the University of Nebraska	2018252445	Noritz Corporation
2017336153	Guardant Health, Inc.	2018254008	Cryovac, LLC
2017338819	University of South Florida; The Regents of the University of California; The Texas A&M University System	2018258080	Illumina, Inc.
2017338914	Abbott Laboratories	2018258208	Huntsman Petrochemical LLC
2017346318	FNV IP B.V.	2018258899	Electrolux Appliances Aktiebolag
2017350848	Inhibikase Therapeutics, Inc.	2018260797	SAP SE
2017351645	Australian Mud Company Pty Ltd	2018261321	Rapid Granulator AB
2017351887	Española De Plataformas Marinas, S.L.	2018263139	Conicet; Batthyány, C.; Institut Pasteur de Montevideo
2017353363	Lótus Medicina Avançada	2018272907	Ascendis Pharma A/S
2017353716	BAE Systems Hägglunds Aktiebolag	2018273547	DePuy Synthes Products, Inc.
2017355230	Coomtech Limited	2018275198	Haemonetics Corporation
2017357650	Oribiotech Ltd	2018276063	Techventure Investments Pty Ltd
2017368214	Reckitt Benckiser Finish B.V.	2018276075	Locking Key Pty Ltd
2017369455	Reckitt Benckiser Finish B.V.	2018278106	DePuy Synthes Products, Inc.
2017371710	King Furniture Australia Pty Ltd	2018279101	Shifamed Holdings, LLC
2017373747	S.A. Lhoist Recherche et Developpement	2018280054	Amgen Inc.
2017381487	Axens; IFP Energies Nouvelles; Total SA	2018283147	Avent, Inc.
2017382448	XEVO Inc.	2018286638	The University of Queensland
2017383069	Intervet International B.V.	2018288221	Luigi Lavazza S.p.A.
		2018288533	Lightcast Discovery Ltd
		2018289490	Evoqua Water Technologies LLC
		2018290954	The Regents of the University of California
		2018293387	Blink AG
		2018297187	Schumacher Electric Corp.

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2018298200	Aviana Molecular Technologies, LLC	2019386119	metamorphosis GmbH
2018300033	Karl Leibinger Medizintechnik GmbH & Co. KG	2019386525	LG Electronics Inc.
2018305973	Nippon Shokubai Co., Ltd.	2019389856	Abbas Mohammad Khan, A.
2018314865	BP Exploration Operating Company Limited	2019410702	Inventio AG
2018315717	UPL Ltd	2019424375	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.
2018316811	The Trustees of the University of Pennsylvania	2019428744	Nokia Technologies Oy
2018326801	Put Corp.	2019440103	Nicoventures Trading Limited
2018329837	Savant Systems, Inc.	2019444894	Chemcom S.A.
2018331013	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2019446553	WISORIG TECHNOLOGIES PTE. LIMITED
2018332795	Southwall Technologies Inc.	2019447961	Hitachi, Ltd.
2018333007	Evoqua Water Technologies LLC	2019451355	FUJIFILM Business Innovation Corp.
2018333082	Societe des Produits Nestle S.A.	2019453945	Longi Solar Technology (Taizhou) Co., Ltd.
2018333278	Reflex Instruments Asia Pacific Pty Ltd	2019461142	ZTE Corporation
2018337785	Stick Tech Oy	2020202407	Eagle Biologics, Inc.
2018338097	Cerus Corporation	2020203137	Seattle Children's Hospital d/b/a Seattle Children's Research Institute
2018346162	Itron Networked Solutions, Inc.	2020203258	LEMMEN, J.A.J.; VAN DOREMAELE, M.G.M.
2018346597	FORMA Therapeutics, Inc.	2020214691	Vilox AB
2018348359	Douglas Pharmaceuticals Ltd.	2020217310	Albert Einstein College of Medicine
2018353106	Andritz Fiedler GmbH	2020222608	Huawei Technologies Co., Ltd.
2018360059	Aclaris Therapeutics, Inc.	2020227162	Inventio AG
2018361706	Université de Montréal	2020227567	LG Electronics Inc.
2018364989	Thrombolex, Inc.	2020227654	Graphic Packaging International, LLC
2018365462	Progress Rail Services Corporation	2020234033	AstraZeneca AB
2018367939	Montdorex Inc.	2020234055	Nicoventures Trading Limited
2018371153	Khondrion IP B.V.	2020234056	Nicoventures Trading Limited
2018376161	Syngenta Participations AG	2020235790	Nicoventures Trading Limited
2018395417	GlycoMimetics, Inc.	2020239165	International Business Machines Corporation
2018397701	Klabin S/A	2020240270	Komatsu Ltd.
2018400409	NTT DOCOMO, INC.	2020240943	LG Electronics Inc.
2018430945	Qingdao Kingagroot Chemical Compound Co., Ltd.	2020243633	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.
2018433292	TWE Meulebeke	2020248682	ReCarbon, Inc.
2018436279	Abysal S.A.	2020255345	McMillan, J.
2018438767	United Biopharma Inc	2020264280	Citizen Science Limited
2019204505	Rohm and Haas Company	2020272919	Inventio AG
2019206685	Truetiva Inc.	2020274362	Xiamen Vivohealths Technology Co., Ltd.
2019207737	Brightseed, Inc.	2020275699	Wing Aviation LLC
2019210161	Lokaway Pty Ltd	2020276042	Loci Orthopaedics Limited
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2019220404	Universite De Liege	2020279614	Westinghouse Air Brake Technologies Corporation
2019223883	Microsoft Technology Licensing, LLC	2020279750	NeoVasc Tiara Inc.
2019229721	MaaT Pharma	2020280758	LG Electronics Inc.
2019232153	Panoptes Pharma Ges.m.b.H.	2020281973	Hubei Monyan Pharmaceutical Co., Ltd.
2019240306	ConocoPhillips Company	2020282766	P.D. of Miami, Inc.
2019243551	Fire & Flood Emergency Services Ltd.	2020282847	Nippon Steel Corporation
2019248217	Micro-X Limited	2020288270	GenFleet Therapeutics (Shanghai) Inc.; Zhejiang Gen-Fleet Therapeutics Co., Ltd.
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2019260109	Janssen Sciences Ireland Unlimited Company	2020297624	ELC Management LLC
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2019288938	Unicrest Group Limited	2020315413	Greening Be Gone, LLC
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2019295790	FORMA Therapeutics, Inc.	2020324207	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.
2019300349	Vogel, W.; Jaber, A.	2020324520	BASF Coatings GmbH
2019302170	Sakata Seed Corporation	2020325151	i-SENS, Inc.
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2019325340	Sensus Spectrum, LLC	2020330857	CorNeat Vision Ltd.
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2020347499	Mutum GmbH	2021240285	MFTB Holdco, Inc.
2020347697	Nihon Nohyaku Co., Ltd.	2021240310	The NOCO Company
2020348551	Shenzhen Inccare Biotech Co.Ltd	2021240325	LG ELECTRONICS INC.
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2020354138	Innovo Therapeutics Inc.	2021241230	Daikin Industries, Ltd.
2020360329	ZTE Corporation	2021244135	Motorola Solutions, Inc.
2020361132	3M Innovative Properties Company	2021245210	FISHER & PAYKEL HEALTHCARE LIMITED
2020368796	CJ Cheiljedang Corporation	2021248429	Siemens Mobility AG
2020377230	Sungrow Power Supply Co., Ltd.	2021250885	Twilio Inc.
2020380167	Apple Inc.	2021250888	Boston Scientific Scimed, Inc.
2020380362	ServiceNow, Inc.	2021252535	CaaMTech, Inc.
2020381661	Zhejiang Chint Electrics Co., Ltd.	2021254568	Apple Inc.
2020388371	Wing Aviation LLC	2021257891	Bayer HealthCare LLC
2020400699	Honor Device Co., Ltd.	2021260391	Kytecbio Co., Ltd.
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2020408484	Guangzhou Xaircraft Technology Co., Ltd.		Empi, Inc.
2020437884	Fujikura Ltd.	2021261951	Medshine Discovery Inc.
2020440900	China Huaneng Group Co., Ltd; Huaneng Clean Energy Research Institute	2021262977	Redis Ltd.
		2021266299	CaaMTech, Inc.
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		2021271799	Water Pik, Inc.
2021201023	Joy Global Underground Mining LLC	2021277591	Meso Scale Technologies, LLC
2021201038	Arm West, LLC	2021277634	Magic Leap, Inc.
2021201939	BASF Agricultural Solutions Seed US LLC	2021277680	Snap-on Incorporated
2021202187	Nevro Corporation	2021277722	Top Cap Holding GmbH
2021202433	Sage Therapeutics, Inc.	2021282445	International Business Machines Corporation
2021202581	President and Fellows of Harvard College	2021286505	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
2021202862	miDiagnostics NV	2021326002	ACLARIS WATER INNOVATIONS GMBH , LINDAU , ZWEIGNIEDERLASSUNG REBSTEIN
2021202949	The Board of Trustees of the University of Illinois		Biopaxium Technologies Limited
2021203023	CASE WESTERN RESERVE UNIVERSITY	2021335410	International Business Machines Corporation
2021203027	Bausch & Lomb Incorporated		FLSMIDTH A/S
2021203035	Eli Lilly and Company	2021339039	CCTEG Coal Mining Research Institute; Tiandi Science & Technology Co.,Ltd
2021203225	Breville Pty Limited	2021351049	Beijing Bytedance Network Technology Co., Ltd.
2021203263	Applied Medical Resources Corporation	2021351049	Wang, X.
2021203372	FRINGERO, B.	2021360303	MOTOROLA SOLUTIONS, INC.
2021203658	Horizon Quantum Computing PTE. LTD.	2021367388	BAKER HUGHES OILFIELD OPERATIONS LLC
2021203819	Illumina, Inc.		CONSERVATION X LABS, INC.
2021203832	Breville Pty Limited	2021376723	Fetch TV Pty Ltd
2021203837	BRIEN HOLDEN VISION INSTITUTE	2021380857	Worxsafe Ab
2021204059	Stryker Corporation	2021395167	Mitsubishi Electric Corporation
2021204224	Bayer Aktiengesellschaft	2021400452	Apple Inc.
2021204233	Radius Health, Inc.; Kindeva Drug Delivery L.P.	2021409901	Think Surgical, Inc.
2021204456	Crossroads Extremity Systems, LLC	2022200077	NAVICO HOLDING AS
2021204462	Ventana Medical Systems, Inc.	2022200481	Shanghai United Imaging Healthcare Co., Ltd.
2021204730	Mayo Foundation for Medical Education and Research	2022200749	Xynomic Pharmaceuticals, Inc.
2021204734	The Chamberlain Group LLC	2022200758	Precision Planting LLC
2021204987	THE CHEMOURS COMPANY FC, LLC.	2022200866	The NOCO Company
2021205039	Monash University	2022200934	O'Brien, E.
2021205094	TLS CORP.	2022200948	Huawei Technologies Co., Ltd.
2021205136	Australian Conveyor Components Pty Limited	2022201044	HONEYWELL INTERNATIONAL INC.
2021206846	PELL Bio-Med Technology Co., Ltd	2022201164	Pro-Iroda Industries, Inc.
2021207443	S. C. Johnson & Son, Inc.	2022201289	Husqvarna AB
2021209785	Siemens Aktiengesellschaft	2022201339	MARA RENEWABLES CORPORATION
2021211998	Flo-Rite, Inc.	2022201456	Zebra Technologies Corporation
2021212080	Indian Oil Corporation Limited; Department Of Biotechnology	2022201517	Precision Planting LLC
		2022201677	JINKO SOLAR (HAINING) CO., LTD.
		2022201860	Kaisha Packaging Private Ltd.
2021215200	Axogen Corporation	2022201863	Volex Interconnect Systems (Suzhou) Co., Ltd.; Volex PLC
2021215201	Axogen Corporation	2022201964	Heraeus Medical GmbH
2021216347	Tovis Co., Ltd.	2022202547	PayPal, Inc.
2021221463	DALIAN INO-TECH CO., LTD.	2022202922	Standard Bariatrics Inc
2021221466	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	2022202997	University of Washington; Lamprogen, Inc.
		2022203226	CYMABAY THERAPEUTICS, INC.
2021221917	RAI Strategic Holdings, Inc.		IDAC Holdings, Inc.
2021229312	Northrop Grumman Systems Corporation	2022203455	
2021232743	State Grid Jiangsu Electric Power Co., LTD, Nanjing Power Supply Branch	2022203509	
		2022204678	
2021235526	International Business Machines Corporation	2022204893	
2021236548	W. L. Gore & Associates, Inc.	2022214948	
2021236560	Advance DX, Inc.	2022215175	

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2022221383 Nicira, Inc.
2022224774 CTS System Co., Ltd.; Um, T.J.
2022224803 OCEAN VISION ENVIRONMENTAL RESEARCH PTY
LTD
2022228207 Apple Inc.
2022231768 Japan Aerospace Exploration Agency
2022241557 Pharmazen Limited
2022256137 Google LLC
2023200450 Ashley, G.
2023200936 ESCEA LIMITED
2023200988 Shanghai Jinko Green Energy Enterprise Management
Co. Ltd.; Zhejiang Jinko Solar Co. Ltd.
2023202006 Volavola Vidal, E.; Chernis, E.
2023202347 Butlr Technologies Inc.
2023203036 HOLLISTER INCORPORATED
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2022202547	2022201339	2020346578	2017371710	2022200948	2018230991
	<u>A01K 31 /-</u>	2020347697	<u>A47B 23 /-</u>		2018263139
<u>A01B 63 /-</u>	2022201339	<u>A01P 9 /-</u>	2017371710	<u>A61B 8 /-</u>	2018316811
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2022201164	<u>A01K 61 /-</u>	2020347697	<u>A47B 5 /-</u>		2018361706
	2017351887	<u>A23K 10 /-</u>	2017371710	<u>A61B 90 /-</u>	2018367939
<u>A01C 15 /-</u>	<u>A01K 67 /-</u>	2022241557	<u>A47F 7 /-</u>	2022200866	2018371153
2017316292	2017338819	<u>A23K 20 /-</u>	2018200235		2018395417
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<u>A01C 21 /-</u>	2017294962	2018333082	<u>A47J 31 /-</u>		2019220404
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	2018338097	<u>A23L 29 /-</u>	<u>A47L 15 /-</u>		2019289222
<u>A01C 5 /-</u>	2019229721	2022241557	2017368214	<u>A61F 11 /-</u>	2019295790
2021211998	<u>A01N 25 /-</u>	<u>A23L 33 /-</u>	2017369455	2020361132	2019302170
2022202547	2018214226	<u>A23L 39 /-</u>	<u>A61B 10 /-</u>		2019373242
	2018250581	2017296249	2021236560	<u>A61F 13 /-</u>	2019424375
<u>A01C 7 /-</u>	<u>A01N 39 /-</u>	2018333082	<u>A61B 17 /-</u>		2020234033
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	2018376161	2020234055	2018283147	2018364989	2020346578
<u>A01D 34 /-</u>	2018430945	<u>A24D 3 /-</u>	2018300033	2020276042	2020347697
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	2020347697	2020343246	2020276042	2018364989	2020407560
<u>A01D 45 /-</u>	<u>A01N 47 /-</u>	2021203263	2020343246	2018433292	2021202433
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	2018376161	2022200866	2021236548	<u>A61F 5 /-</u>	2021203023
<u>A01D 69 /-</u>	2020346578	2022200948	2022200866	2018283147	2021203027
2022201860	2020347697	2022204678	2021204456	2023203036	2021205039
	<u>A01N 59 /-</u>	<u>A24F 40 /-</u>	2021236548		2021252535
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	2020217310	2020235790	<u>A61B 18 /-</u>	2021380857	2017296249
<u>A01G 18 /-</u>	2020217310	2021221917	2018283147		
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	2020315413	2019288938	2022200866	2018283147	2016344770
<u>A01G 29 /-</u>	2020315413	<u>A45D 34 /-</u>	2022200948	2023203036	2017330379
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	2020217310	<u>A46B 13 /-</u>	<u>A61B 5 /-</u>	<u>A61F 9 /-</u>	2019229721
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2018230602	<u>A01P 13 /-</u>	2021277591	2018216658	2021380857	2019207737
	2018315717	<u>A46B 9 /-</u>	2020325151	<u>A61J 1 /-</u>	2020281973
<u>A01H 18 /-</u>	<u>A01P 3 /-</u>	2021277591	2021215200		2022241557
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	<u>A01P 13 /-</u>	2021277591	<u>A61B 50 /-</u>	2022202997	2018225436
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	2018315717	2021277591	<u>A61J 7 /-</u>	<u>A61K 31 /-</u>	2020203137
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		2021277591		2017258776	2016426574
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2017259056		2021277591		2017311405	2017252427
		2021277591		2017350848	2018316811
<u>A01H 6 /-</u>		2021277591		2017383069	
2019302170		2021277591			

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A61K 49 /-	2018249358 2018272907 2018280054 2018364989 2020279750 2021257891 2022203455	2020346578 2020347697	2021277680	2021260391	2019378560
2020217310	A61M 8 /-	A61P 35 /-	A63F 13 /-	B01L 3 /-	B25C 1 /-
2019444894 2020327160	A61N 1 /-	2016426574 2017207082 2017295704 2018219637 2018263139 2018361706 2018367939 2018395417 2019262978 2019289222 2019295790 2020203137 2020274362 2020288270 2020296620 2021262977 2022201044	2021277680	2018216627 2018288533 2018293387 2021202862	2020300007
A61K 9 /-	2018226868 2020335220 2021202187 2021261951	A61P 37 /-	B01D 17 /-	B01L 7 /-	B25F 5 /-
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A61L 17 /-	2018219671	A61P 5 /-	B01D 24 /-	B01D 27 /-	B29C 35 /-
2021236548	A61P 11 /-	A61P 7 /-	2018333007	B01D 29 /-	2021240172
A61L 27 /-	2017207082 2017383069	2020281973	B01D 27 /-	2021335410	B29C 45 /-
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	A61P 25 /-	2019444894	B01D 35 /-	B01D 21 /-	B29C 70 /-
	A61P 25 /-		B01D 35 /-	B03C 11 /-	2017434770
	A61P 25 /-		B01D 53 /-	2018286638	B29L 23 /-
	A61P 25 /-		B01D 53 /-	B03C 7 /-	2018249598
	A61P 25 /-		B01D 61 /-	2018286638	B32B 27 /-
	A61P 25 /-		B01D 61 /-	B04B 3 /-	2018332795
	A61P 25 /-		B01D 61 /-	2018353106	B32B 29 /-
	A61P 25 /-		B01F 23 /-	B04B 7 /-	2018397701
	A61P 25 /-		B01F 23 /-	2018353106	B32B 5 /-
	A61P 25 /-		B01F 25 /-	B05B 15 /-	2018305973 2021339039
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	A61P 25 /-		B01F 31 /-	B05B 3 /-	2021240172
	A61P 25 /-		B01F 31 /-	2017219144 2020335965	B41F 13 /-
	A61P 25 /-		B01F 31 /-	B05B 9 /-	2017296007

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	2017293294	2022202997			
<u>B41F 33 /-</u>	<u>B63G 8 /-</u>	<u>B65D 43 /-</u>	<u>B66B 5 /-</u>	<u>C07C 17 /-</u>	<u>C07D 321 /-</u>
2017296007	2017293294	2016225935	2019410702	2021204987	2019373242
<u>B42D 25 /-</u>	<u>B64C 1 /-</u>	<u>B65D 47 /-</u>	<u>B81B 5 /-</u>	<u>C07C 225 /-</u>	<u>C07D 401 /-</u>
2020308438	2020408484	2022202997	2018216627	2018348359	2018346597
<u>B60B 17 /-</u>	<u>B64C 39 /-</u>	<u>B65D 5 /-</u>	<u>B82Y 15 /-</u>	<u>C07C 233 /-</u>	2019289222
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<u>B60J 5 /-</u>	<u>B64D 1 /-</u>	2020227654	<u>B82Y 5 /-</u>	<u>C07C 235 /-</u>	2020296620
2020279614	2020282766	2021339039	2017295704	2018371153	2020354138
<u>B60K 1 /-</u>	<u>B64D 17 /-</u>	<u>B65D 51 /-</u>	<u>C01B 3 /-</u>	<u>C07C 257 /-</u>	<u>C07D 403 /-</u>
2017353716	2020282766	2021282445	2017296249	2018367939	2020296620
<u>B60K 6 /-</u>	<u>B65B 11 /-</u>	2022202997	<u>C01B 33 /-</u>	<u>C07C 319 /-</u>	2019289222
2017353716	2018254008	2021282445	2021326002	2019302170	2019373242
<u>B60L 50 /-</u>	<u>B65B 31 /-</u>	<u>B65D 53 /-</u>	<u>C01F 5 /-</u>	<u>C07C 323 /-</u>	2020354138
2018365462	2018254008	2021282445	2017296249	2019302170	<u>C07D 409 /-</u>
<u>B60L 53 /-</u>	<u>B65B 41 /-</u>	<u>B65D 55 /-</u>	<u>C02F 1 /-</u>	<u>C07C 49 /-</u>	2020354138
2020338479	2018254008	2022202997	2017296249	2019302170	<u>C07D 413 /-</u>
2022203226	2018254008	2016225935	2017381487	2019446553	2018361706
<u>B60Q 1 /-</u>	<u>B65B 43 /-</u>	<u>B65D 6 /-</u>	2018219332	<u>C07D 207 /-</u>	2019289222
2023200450	2018254008	2018314865	2021335410	2019424375	2019373242
<u>B60S 1 /-</u>	<u>B65B 51 /-</u>	2021339039	<u>C02F 3 /-</u>	<u>C07D 215 /-</u>	2020347697
2020335965	2018254008	<u>B65D 73 /-</u>	2017414684	2018361706	2019289222
<u>B60W 10 /-</u>	<u>B65B 57 /-</u>	2018200235	<u>C04B 103 /-</u>	2018376161	2020288270
2017353716	2018254008	<u>B65D 90 /-</u>	2018219975	2020288270	2021262977
<u>B60W 20 /-</u>	<u>B65B 61 /-</u>	2021360303	<u>C04B 111 /-</u>	<u>C07D 233 /-</u>	<u>C07D 471 /-</u>
2017353716	2018254008	<u>B65F 3 /-</u>	2018219975	2020274362	2018346597
<u>B61C 3 /-</u>	<u>B65B 7 /-</u>	2020335965	<u>C04B 18 /-</u>	<u>C07D 239 /-</u>	2018360059
2018365462	2018254008	2021360303	2019389856	2018360059	2019260109
<u>B61L 15 /-</u>	<u>B65D 1 /-</u>	<u>B65G 11 /-</u>	<u>C04B 28 /-</u>	2018430945	2019295790
2018365462	2021339039	2021360303	2018219975	2018430945	2019373242
<u>B61L 27 /-</u>	<u>B65D 17 /-</u>	<u>B65G 21 /-</u>	<u>C04B 33 /-</u>	2020296620	2020347697
2019447961	2021282445	2021201023	2019389856	<u>C07D 263 /-</u>	2021262977
<u>B62B 5 /-</u>	<u>B65D 21 /-</u>	<u>B65G 37 /-</u>	<u>C04B 35 /-</u>	2018361706	2022201044
2022201339	2016225935	2021201023	2018219975	<u>C07D 265 /-</u>	<u>C07D 473 /-</u>
<u>B62D 51 /-</u>	<u>B65D 25 /-</u>	<u>B65G 45 /-</u>	<u>C04B 38 /-</u>	2019373242	2019220404
2022201860	2020227654	2021205136	2019389856	<u>C07D 277 /-</u>	<u>C07D 487 /-</u>
<u>B63B 35 /-</u>	<u>B65D 39 /-</u>	<u>B65G 67 /-</u>	<u>C04B 40 /-</u>	2018376161	2018360059
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		<u>B66B 23 /-</u>	2018219975	<u>C07D 311 /-</u>	2020346578
		2020227162	2018244758	2018371153	<u>C07D 491 /-</u>
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C07D 519 /-	2018305973	2019377857	2017258776	D21H 11 /-	2016225935
2019262978	2018305973	C12M 3 /-	2017260630	2018397701	E05D 11 /-
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2021202581	2019204505	2017258776	2021260391	E04B 1 /-	2019210161
C07J 43 /-	C09D 5 /-	2017259056	C40B 40 /-	2017258948	E06B 9 /-
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2021202433	2018234244	2018290954	D01D 5 /-	2018276075	2021400452
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2017246638	C09K 3 /-	2018438767	D01F 1 /-	E04G 21 /-	2017351645
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G01N 33/28 (2006.01)

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(21) 2020100281 (22) 26.02.2020
(54) Concentric architecture for optical sensing
(51) Int. Cl.
A61B 5/024 (2006.01)
A61B 5/00 (2006.01)
(45) 13.07.2023
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(72) BLOCK, Ueyn L.; SHAO, Guocheng; HIROMI, Itaru L.; CHARBONNEAU-LEFORT, Mathieu; HARRISON-NOONAN, Tobias J.
(74) FPA Patent Attorneys Pty Ltd

(71) LU, Y.
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(51) Int. Cl.
H01R 13/52 (2006.01)
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(72) LU, Yun Qi
(74) Baxter Patent Attorneys Pty Ltd

(71) Milwaukee Electric Tool Corporation
(11) AU-B-2022100154
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(54) Modular tool container
(51) Int. Cl.
B25H 3/02 (2006.01)
B23Q 13/00 (2006.01)
(45) 13.07.2023
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(72) BURNS, Courtney J.; ZIMMERMANN, Michael J.; HYMA, Steven W.; HUH, Michael D.
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(71) Park, S.
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(21) 2022100045 (22) 15.03.2022
(54) APPARATUS FOR COLLECTING AND STORING FLUID SAMPLES FROM VEHICLES AND MACHINERY
(51) Int. Cl.
G01N 1/14 (2006.01)
B65D 41/04 (2006.01)
B65D 51/18 (2006.01)
B65D 51/24 (2006.01)
B67C 3/16 (2006.01)
B67C 3/26 (2006.01)

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Offer to Surrender

It is hereby notified that **Kling Biotherapeutics B.V. Meibergdreef 59 , 1105 BA Amsterdam** , the Patentee of Patent 2016281424 dated 08.04.2021 for an invention titled ' AML antigens and uses thereof ' offers to surrender the said Patent. Any person desiring to be heard before the said offer to surrender is accepted must lodge a request to be heard within one month from the date of this journal.

It is hereby notified that **Hansen Price Pty Ltd U3 48 Hardey Rd , Belmont WA 6104** , the Patentee of Patent 2020100311 dated 08.04.2020 for an invention titled ' Collapsible Mast ' offers to surrender the said Patent. Any person desiring to be heard before the said offer to surrender is accepted must lodge a request to be heard within one month from the date of this journal.

Assignments Registered

2004242839 Societe De Technologie Michelin; Michelin Recherche Et Technique S.A. The patent has been assigned to **Compagnie Générale des Etablissements Michelin**

2005242991 Ecebs Limited The patent has been assigned to **VISA International Service Association**

2006203035 Compagnie Generale des Etablissements Michelin; Michelin Recherche et Technique S.A. The patent has been assigned to **Compagnie Générale des Etablissements Michelin**

2006256601 Ecebs Limited The patent has been assigned to **VISA International Service Association**

2006264667 CENTRAL MEDICAL SUPPLIES LIMITED The patent has been assigned to **Infans Ltd**

Assignments Registered

2006286382 Ecebs Limited The patent has been assigned to **VISA International Service Association**

2007233734 Compagnie Generale des Etablissements Michelin; Michelin Recherche et Technique S.A. The patent has been assigned to **Compagnie Générale des Etablissements Michelin**

2007233735 Compagnie Generale des Etablissements Michelin; Michelin Recherche et Technique S.A. The patent has been assigned to **Compagnie Générale des Etablissements Michelin**

2008277977 Treofan Germany GmbH & Co. KG The patent has been assigned to **Innovia Films America, Inc.**

2008291823 Shionogi & Co., Ltd.; Purdue Pharma L.P. The patent has been assigned to **Purdue Pharma L.P.**

2008363855 Woznica, Zenon; SN BIOTECH TECHNOLOGIES Sp. z o.o. Sp. k. The patent has been assigned to **SN BIOTECH TECHNOLOGIES Sp. z o.o. Sp. k.; Woznica, Zenon; CIECH Sarzyna S.A.**

2009235287 Suez Environnement The patent has been assigned to **Suez International**

2009275218 Purdue Pharma L.P.; Shionogi & Co., Ltd The patent has been assigned to **Purdue Pharma L.P.**

2009308380 Quark Pharmaceuticals, Inc. The patent has been assigned to **Suzhou Ribo Life Science Co., Ltd.**

2009353374 Caterpillar Global Mining LLC The patent has been assigned to **Gainwell Engineering Global Pte. Ltd.**

2010205815 Treofan Germany GmbH & Co. KG The patent has been assigned to **Innovia Films America, Inc.**

2010238506 Compagnie Generale des Etablissements Michelin; Michelin Recherche et Technique S.A. The patent has been assigned to **Compagnie Générale des Etablissements Michelin**

2010302457 Compagnie Generale des Etablissements Michelin; Michelin Recherche et Technique S.A. The patent has been assigned to **Compagnie Générale des Etablissements Michelin**

2011268044 Caterpillar Global Mining LLC The patent has been assigned to **Gainwell Engineering Global Pte. Ltd.**

2011278577 Compagnie Generale des Etablissements Michelin; Michelin Recherche et Technique S.A. The patent has been assigned to **Compagnie Générale des Etablissements Michelin**

2011279961 Caterpillar Global Mining LLC The patent has been assigned to **Gainwell Engineering Global Pte. Ltd.**

2012280056 Howard Foundation Holdings Ltd The patent has been assigned to **MARAVILLA LLC**

2012356178 Suez Environnement The patent has been assigned to **Suez International**

2013239188 Suez Environnement The patent has been assigned to **Suez International**

2013239189 Suez Environnement The patent has been assigned to **Suez International**

2013270541 Ahn, Yoo The patent has been assigned to **Ace Bed Co., Ltd.**

2013273837 Ahn, Yoo The patent has been assigned to **Ace Bed Co., Ltd.**

Assignments Registered

2013289633 Treofan Germany GmbH & Co. KG The patent has been assigned to **Innovia Films America, Inc.**

2013293212 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2013293455 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2013328318 Suez Environnement The patent has been assigned to **Suez International**

2013336281 Suez Environnement The patent has been assigned to **Suez International**

2013361268 W.L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2013361283 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2013363172 W.L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2013363289 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2014202637 Incept, Inc. The patent has been assigned to **Solmetex, LLC**

2014285729 Suez Environnement The patent has been assigned to **Suez International**

2014323535 Firestone Building Products Co., LLC The patent has been assigned to **Holcim Technology Ltd**

2014360294 W.L Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2015101636 Heka Hoods IP Pty Ltd The patent has been assigned to **HEKA HOODS DEVELOPMENT PTY LTD**

2015245935 Family Zone Cyber Safety Ltd. The patent has been assigned to **Qoria Holdings Pty Ltd**

2015263115 Northstone (NI) Limited The patent has been assigned to **CUBIS SYSTEMS LIMITED**

2015305868 W.L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2015318007 W.L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2015328385 Quince Therapeutics, Inc. The patent has been assigned to **Lighthouse Pharmaceuticals, Inc.**

2015333658 W.L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2015334664 Knox Fire and Security Limited The patent has been assigned to **ICO Products Ltd**

2015364334 W.L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2016201614 MCLACHLAN, IAN The patent has been assigned to **McLachlan Enterprises Pty Ltd**

2016204540 INNOAUS KOREA INC. The patent has been assigned to **KAON INTERNETWORKING, INC.**

Assignments Registered

2016262761 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2016273906 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2016336369 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2017200748 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2017200967 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2017201165 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2017201199 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2017202405 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2017202433 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2017235949 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2017326466 Quince Therapeutics, Inc. The patent has been assigned to **Lighthouse Pharmaceuticals, Inc.**

2018200631 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018203047 Popa, Vitalie The patent has been assigned to **Popa, Vitalie; Gantenbrink, Bruno**

2018282323 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018286581 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018334191 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018342222 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018342223 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018347852 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018362079 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018362080 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018362081 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018362092 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2018362341 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

Assignments Registered

2019201417 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2019201907 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2019202203 Family Zone Cyber Safety Ltd The patent has been assigned to **Qoria Holdings Pty Ltd**

2019206121 W.L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2019210640 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2019216635 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2019217244 Vita Inclinata Technologies, Inc The patent has been assigned to **Vita Inclinata IP Holdings LLC**

2019219832 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2019229440 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2019257469 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2020204617 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2020210253 W.L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2020232237 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2020244552 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2020258360 Coors Brewing Company The patent has been assigned to **Porifera Inc.**

2020273333 W. L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2021105430 Heka Hoods IP Pty Ltd The patent has been assigned to **HEKA HOODS DEVELOPMENT PTY LTD**

2021107140 Heka Hoods IP Pty Ltd The patent has been assigned to **HEKA HOODS DEVELOPMENT PTY LTD**

2021201696 W.L. Gore & Associates, Inc. The patent has been assigned to **Edwards Lifesciences Corporation**

2022100097 McLachlan, Ian The patent has been assigned to **McLachlan Enterprises Pty Ltd**

Licences Registered - Section 187, Reg. 19

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

2003249962 Novartis AG (Novartis Pharmaceuticals Australia Pty Ltd)

2006276205 Novartis AG (Novartis Pharmaceuticals Australia Pty Ltd)

2007301977 Novartis AG (Novartis Pharmaceuticals Australia Pty Ltd)

Licences Registered - Section 187, Reg. 19

2010241419 Novartis AG (Novartis Pharmaceuticals Australia Pty Ltd)
 2010322102 Novartis AG (Novartis Pharmaceuticals Australia Pty Ltd)
 2012201453 Novartis AG (Novartis Pharmaceuticals Australia Pty Ltd)
 2012203844 Novartis AG (Novartis Pharmaceuticals Australia Pty Ltd)

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.

2020260435 **Apellis Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 03 Feb 2022

For the goods EMPAVELI pegcetacoplan

Address for service : FB Rice Pty Ltd Level 23, 44 Market Street Sydney NSW 2000 AU

Corrigenda

In Vol 35 , No 36 , Page(s) 7283 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Vita Inclinata Technologies, Application No. 2020223104, under INID (71) correct the applicant name to Vita Inclinata Technologies, Inc.

In Vol 57 , No 26 , Page(s) 3758 under the heading **Assignments Before Grant, Section 113 - 2018** Under the name OhmlQ, Inc., Application No. 2018280129, under INID (71) correct the applicant name to OhmlQ, LLC

In Vol 57 , No 26 , Page(s) 3760 under the heading **Amendments - Application for Amendments** Under the name Chr. Hansen A/S, Application No. 2018251957 correct the date of the statements filed to 03 May 2023 and 15 May 2023

Specifications Republished

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

2016258742 **Dana-Farber Cancer Institute, Inc.**
 2020470781 **IMMUNICOM, INC.**
 2021324314 **INNATE PHARMA**
 2021327855 **OXFORD GENETICS LIMITED; OXFORD UNIVERSITY INNOVATION LIMITED**
 2021330539 **JANSSEN BIOTECH, INC.**
 2021330836 **SANOPI PASTEUR INC.; GLAXOSMITHKLINE BIOLOGICALS SA**
 2021330883 **SHANGHAI JUNSHI BIOSCIENCES CO., LTD.**
 2021333572 **SANOPI PASTEUR INC.**
 2021333671 **XENOTHERAPEUTICS, INC.; ALEXIS BIO, INC.**
 2021333882 **JANSSEN BIOTECH, INC.**
 2021336399 **THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES**

Specifications Republished

2021337000 **NKARTA, INC.**
 2021337226 **SOLSTAR PHARMA INC.**
 2021342126 **MUSTANG BIO, INC.; CITY OF HOPE**
 2021347154 **TRISALUS LIFE SCIENCES, INC.**
 2021347288 **SCORPION THERAPEUTICS, INC.**
 2021347348 **ALBERT EINSTEIN COLLEGE OF MEDICINE**
 2021347408 **BIOAEGIS THERAPEUTICS INC.; UNIVERSITY OF MARYLAND, BALTIMORE**
 2021347595 **MEDIGENE IMMUNOTHERAPIES GMBH**
 2021348167 **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION**
 2021348239 **MEDIGENE IMMUNOTHERAPIES GMBH**
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 2021350099 **SANGAMO THERAPEUTICS, INC.**
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 2021376367 **ELI LILLY AND COMPANY**
 2021376490 **BECTON, DICKINSON AND COMPANY**
 2021378792 **CALIFORNIA INSTITUTE OF TECHNOLOGY**
 2021396659 **ACM BIOLABS PTE LTD**
 2022200023 **Huawei Technologies Co., Ltd.**
 2022258955 **ACADEMIA SINICA**