



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

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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 1 February 2024

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

CSR Building Products Limited v United States Gypsum Company [2024] APO 1

Patent Application: 2016284331

Title: Composite gypsum board and methods related thereto

Patent Applicant: United States Gypsum Company

Opponent: CSR Building Products Limited

Delegate: M. Umehara

Decision Date: 23 January 2024

Hearing Date: 27 October 2023, by video conference

Catchwords: **PATENTS** – Section 59 – opposition to grant of a patent – grounds of sufficiency, support, novelty and inventive step – technical contribution to the art does not extend to a general principle – the specification does not provide clear guidance telling the person skilled in the art how to adjust the process and materials so as to achieve with certitude the full range of products – citations do not disclose all features of the claims – it would not be a matter of routine to arrive at the claimed invention – opposition succeeds on section 40(2)(a) and section 40(3) – costs awarded

Representation: Counsel for the applicant: Gus Hazel and George Jackson

Patent attorney for the applicant: Andrew Scott and Sam Fraser of James & Wells

Counsel for the opponent: David Larish and Sophie Yates

Patent attorney for the opponent: Derek Baigent, Robert Wulff and John Scicluna of Griffith Hack

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 1 February 2024

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Commonwealth Scientific and Industrial Research Organisation [2024] APO 2

Patent Application: 2021282508

Title: Object monitoring system

Patent Applicant: Commonwealth Scientific and Industrial Research Organisation

Delegate: Tim Gillett

Decision Date: 23 January 2024

Hearing Date: Written submissions filed on 29 September 2023

Catchwords: **PATENTS** – section 45 – examiner’s objection – novelty – inventive step – manner of manufacture – tag – object monitoring – bytecode – snippet – Bluetooth – not novel – not a manner of manufacture – application remitted for further examination

Representation: Patent attorney for the applicant: Davies Collison Cave Pty Ltd

Proceedings under the Patents Act 1990

Provisional Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 16 Jan 2024 .

(71) AC Industries Nominees Pty Ltd (21) 2024900128 (22) 19.01.2024 (54) In-line device for tensioning wire	(71) EMPOWERUS AUSTRALIA PTY LTD (21) 2024900163 (22) 24.01.2024 (54) Needs-Based Systems	(71) Gomez, R. (21) 2024900141 (22) 22.01.2024 (54) Improved Advanced Hydrogen Fuel Cell
(71) AQUIRIAN TECHNOLOGY PTY LTD (21) 2024900135 (22) 21.01.2024 (54) BLAST HOLE LINING APPARATUS AND METHOD	(71) EPREP PTY LTD (21) 2024900148 (22) 22.01.2024 (54) Use of LiCl Solutions to "Salt-Out" in Automated Liquid-Liquid Extraction	(71) Hamilton, B. (21) 2024900137 (22) 22.01.2024 (54) RECONFIGURABLE TRAILER/TROLLEY
(71) Auckland UniServices Limited (21) 2024900156 (22) 23.01.2024 (54) ACTIVE IMPEDANCE CONTROL	(71) EVERLAST NETWORKS PTY LTD (21) 2024900147 (22) 22.01.2024 (54) TECHNOLOGY CONFIGURED TO ENABLE IMPROVED SECURE COMMUNICATION OVER A NETWORK	(71) Hay Innovations and Technology Pty Ltd (21) 2024900149 (22) 22.01.2024 (54) Underground mining overbreak minimisation method and system
(71) AWADA, F. (21) 2024900119 (22) 17.01.2024 (54) A FORMWORK ELEMENT, KIT, ASSEMBLY AND METHOD	(71) Fliteboard Pty Ltd (21) 2024900113 (22) 17.01.2024 (54) E-foil board	(71) James Cook University (21) 2024900126 (22) 19.01.2024 (54) ANTI-INFLAMMATORY COMPOUNDS AND METHODS
(71) Ayonz Pty Limited (21) 2024900144 (22) 22.01.2024 (54) Improved Power Adaptor	(71) FLOW IMPORTS LIMITED (21) 2024900121 (22) 18.01.2024 (54) AN INFLATABLE AIRBED AND A METHOD OF ITS CONSTRUCTION	(71) Johnson, A. (21) 2024900139 (22) 22.01.2024 (54) A SYSTEM AND METHOD FOR RETURNING LOST PERSONAL ITEMS TO THEIR OWNERS
(71) Aztec Australasia Pty Ltd (21) 2024900127 (22) 19.01.2024 (54) ROOF COLLAR ASSEMBLY	(71) Gackle, M. (21) 2024900140 (22) 22.01.2024 (54) Router/Trimmer base with floating shaft	(71) Lam, T.T. (21) 2024900131 (22) 20.01.2024 (54) SYNCHRONIZED AUXILIARY BEARING AND VIBRATION DAMPER-DISPLACER
(71) CARBOPHITE PTY LTD (21) 2024900122 (22) 18.01.2024 (54) SOLID MATERIALS CARBON-COATED WITH COAL-BASED PRECURSOR AND METHODS THEREOF	(71) Gene Company Pty Ltd (21) 2024900129 (22) 19.01.2024 (54) Retinoid compositions and methods of use	(71) Lampron, S. (21) 2024900130 (22) 20.01.2024 (54) AI Geological modelling based on documented Resources
Di Lullo, L. see Wellington, B. (21) 2024900110	(71) Gomez, R. (21) 2024900134 (22) 21.01.2024 (54) Advanced Hydrogen Membrane Fuel Cell	(71) LIU, C. (21) 2024900125 (22) 19.01.2024 (54) Innovative Process of Ordering and Creating Customizable Accessory and Jewellery
(71) Emerald Planet Environmental Pty Ltd (21) 2024900124 (22) 19.01.2024 (54) Multi-connection scheduling gateway apparatus		

Provisional Applications Filed - Name Index cont'd

<p>(71) Lowe Farms Pty Ltd (21) 2024900138 (22) 22.01.2024 (54) APPARATUS AND METHOD FOR AP- PLYING A LIQUID CHEMICAL</p>	<p>(71) Psylo Pty Ltd (21) 2024900154 (22) 23.01.2024 (54) Compounds</p>	<p>(71) Webber, G. (21) 2024900136 (22) 21.01.2024 (54) Wave reflecting device for coastal erosion mitigation.</p>
<p>(71) Macquarie University (21) 2024900157 (22) 23.01.2024 (54) AN APPARATUS AND METHOD OF OPTICALLY SORTING NANO- PARTICLES</p>	<p>(71) ResusRight Pty Ltd (21) 2024900112 (22) 17.01.2024 (54) Resuscitation monitoring apparatus</p>	<p>(71) Wellington, B.; Di Lullo, L. (21) 2024900110 (22) 17.01.2024 (54) Hay Net Frame</p>
<p>(71) ME INNOVATIONS PTY LTD (21) 2024900142 (22) 22.01.2024 (54) A TOOL FOR A TILE SPACER SYS- TEM</p>	<p>(71) Simpson, j. (21) 2024900132 (22) 21.01.2024 (54) Insulation manufactured from waste material</p>	<p>(71) Western Sydney Local Health District; The University of Sydney (21) 2024900116 (22) 17.01.2024 (54) Multi-lumen catheter device</p>
<p>(71) Meizon Innovation TB22 Pty Ltd (21) 2024900145 (22) 22.01.2024 (54) Method of treatment</p>	<p>(71) Simpson, j. (21) 2024900133 (22) 21.01.2024 (54) A building block including waste mater- ial</p>	<p>(71) Williams, B. (21) 2024900115 (22) 17.01.2024 (54) PERSONAL TRANSPORTATION VEHICLE</p>
<p>(71) Meizon Innovation TB22 Pty Ltd (21) 2024900146 (22) 22.01.2024 (54) Method of treatment II</p>	<p>(71) Smith, C. (21) 2024900123 (22) 19.01.2024 (54) EXTENSION APPARATUS FOR WING MIRROR MOUNTING BRACKET</p>	<p>(71) Worthdown Pty Ltd (21) 2024900114 (22) 17.01.2024 (54) Formwork connector</p>
<p>(71) Metabolic Health Solutions Pty Ltd (21) 2024900118 (22) 17.01.2024 (54) Metabolic Measurement System with Sensors, Machine Learning, and Digital Health Database</p>	<p>(71) Spira Health Pty Ltd (21) 2024900159 (22) 23.01.2024 (54) Respiratory training device</p>	<p>Youssif, A. see Youssif, A. (21) 2024900117</p>
<p>(71) MOLEC Electrical Contractors Pty Ltd (21) 2024900155 (22) 23.01.2024 (54) A PORTABLE VEHICLE OR MA- CHINERY CONTROL TRAINING AID</p>	<p>(71) Starboard Co. Ltd (21) 2024900143 (22) 22.01.2024 (54) Wingsail</p>	<p>(71) Youssif, A.; Youssif, A. (21) 2024900117 (22) 17.01.2024 (54) Converting solar and electrical energy into kinetic energy and self-charging at once without using raw materials</p>
<p>(71) New Edge Microbials Pty Ltd (21) 2024900158 (22) 23.01.2024 (54) ENDOPHYTE MICROBES FOR USE IN AGRICULTURE</p>	<p>(71) Stewart, T. (21) 2024900161 (22) 24.01.2024 (54) FLOAT VALVE DAMPER</p>	
<p>(71) Opal Packaging Australia Pty Ltd (21) 2024900120 (22) 18.01.2024 (54) A sack</p>	<p>(71) Stoica, D. (21) 2024900152 (22) 23.01.2024 (54) Universal electronic sports scoring sys- tem using an interactive mobile judge controller with an adaptive server-driv- en user interface</p>	
<p>(71) Open Induction Motors Pty. LTD (21) 2024900151 (22) 22.01.2024 (54) Turbo-Mechanical Electrolyser</p>	<p>(71) Technological Resources Pty. Limited (21) 2024900165 (22) 24.01.2024 (54) HEAP LEACHING A BASE MET- AL-CONTAINING MATERIAL</p>	
<p>(71) Our Eco Bee Pty Ltd (21) 2024900153 (22) 23.01.2024 (54) A beehive</p>	<p>The University of Sydney see Western Sydney Local Health District (21) 2024900116</p>	
<p>(71) Parker, E. (21) 2024900150 (22) 22.01.2024 (54) SYSTEM AND METHOD FOR SLEEP AND DREAM ANALYSIS</p>	<p>(71) Wallace Building Systems Pty Ltd (21) 2024900111 (22) 17.01.2024 (54) Method, apparatus and system for sample detection</p>	

Numerical Index

2024900110	Wellington, B.; Di Lullo, L.
2024900111	Wallace Building Systems Pty Ltd
2024900112	ResusRight Pty Ltd
2024900113	Fliteboard Pty Ltd
2024900114	Worthdown Pty Ltd
2024900115	Williams, B.
2024900116	Western Sydney Local Health District; The University of Sydney
2024900117	Youssif, A.; Youssif, A.
2024900118	Metabolic Health Solutions Pty Ltd
2024900119	AWADA, F.
2024900120	Opal Packaging Australia Pty Ltd
2024900121	FLOW IMPORTS LIMITED
2024900122	CARBOPHITE PTY LTD
2024900123	Smith, C.
2024900124	Emerald Planet Environmental Pty Ltd
2024900125	LIU, C.
2024900126	James Cook University
2024900127	Aztec Australasia Pty Ltd
2024900128	AC Industries Nominees Pty Ltd
2024900129	Gene Company Pty Ltd
2024900130	Lampron, S.
2024900131	Lam, T.T.
2024900132	Simpson, j.
2024900133	Simpson, j.
2024900134	Gomez, R.
2024900135	AQUIRIAN TECHNOLOGY PTY LTD
2024900136	Webber, G.
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2024900157	Macquarie University
2024900158	New Edge Microbials Pty Ltd
2024900159	Spira Health Pty Ltd
2024900161	Stewart, T.
2024900163	EMPOWERUS AUSTRALIA PTY LTD
2024900165	Technological Resources Pty. Limited

Complete Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 16 Jan 2024 .

. (*) Title not in Roman characters

. (**) Title not given

(71) Ablynx NV (21) 2024200309 (22) 17.01.2024 (54) Techniques for predicting, detecting and reducing aspecific protein interference in assays involving immunoglobulin single variable domains	(71) Arbutus Biopharma Corporation (21) 2024200392 (22) 22.01.2024 (54) Compositions and methods for delivering messenger RNA	(71) Biocompatibles UK Limited (21) 2024200336 (22) 18.01.2024 (54) Dual stage cryocooler
(71) Adobe Inc. (21) 2024200377 (22) 19.01.2024 (54) GENERATING A MODIFIED DIGITAL IMAGE UTILIZING A HUMAN INPAINTING MODEL	(71) Aristocrat Technologies Australia Pty Limited (21) 2024200346 (22) 18.01.2024 (54) A METHOD OF OPERATING A GAMING MACHINE AND A GAMING MACHINE	(71) Boston Scientific Scimed, Inc. (21) 2024200441 (22) 24.01.2024 (54) System and device for treating tissue
(71) Air Products and Chemicals, Inc. (21) 2024200413 (22) 23.01.2024 (54) METHOD AND APPARATUS FOR MONITORING OPERATIONAL CHARACTERISTICS OF AN INDUSTRIAL GAS PLANT COMPLEX	(71) Aristocrat Technologies Australia Pty Limited (21) 2024200367 (22) 19.01.2024 (54) A GAMING SYSTEM AND A METHOD OF GAMING	(71) BREEN, W.; VALLESE, M. (21) 2024200397 (22) 22.01.2024 (54) PLUMBING FITTING AND SEAT
(71) Alcon Inc. (21) 2024200326 (22) 18.01.2024 (54) MULTIFOCAL OPHTHALMIC LENS HAVING CHROMATIC ABERRATION CORRECTION	(71) Assurant, Inc. (21) 2024200365 (22) 19.01.2024 (54) Apparatus, method, and computer program product for claim management device lockout	(71) Canon Kabushiki Kaisha (21) 2024200305 (22) 17.01.2024 (54) Method, apparatus and system for encoding and decoding tensors and video
(71) AMOURIS, K. (21) 2024200354 (22) 19.01.2024 (54) SYSTEM AND METHOD FOR CONSUMER-BASED STORING, RETRIEVING AND TRANSMITTING OF PROMOTIONAL CONTENT TO OTHER CONSUMERS	(71) Atlas Power Technologies Inc. (21) 2024200356 (22) 19.01.2024 (54) Serviceable Electrostatic Storage Device	(71) Canva Pty Ltd (21) 2024200402 (22) 23.01.2024 (54) Digital video production systems and methods
(71) Apple Inc. (21) 2024200347 (22) 18.01.2024 (54) Content-based tactile outputs	(71) Attochron, LLC (21) 2024200394 (22) 22.01.2024 (54) Method and apparatus for ultra-short pulsed laser communication through a lossy medium	(71) Casale SA (21) 2024200390 (22) 22.01.2024 (54) Reforming Process Integrated with Gas Turbine Generator
(71) Apple Inc. (21) 2024200357 (22) 19.01.2024 (54) Devices, methods, and graphical user interfaces for wireless pairing with peripheral devices and displaying status information concerning the peripheral devices	(71) Australian Industrial Plastics Pty Ltd (21) 2024200439 (22) 24.01.2024 (54) Odour Control Apparatus	(71) Cellresearch Corporation Pte. Ltd. (21) 2024200348 (22) 18.01.2024 (54) A METHOD OF ISOLATING MESENCHYMAL STEM CELLS FROM UMBILICAL CORD AMNIOTIC MEMBRANE USING A CELL CULTURE MEDIUM
(71) Apple Inc. (21) 2024200364 (22) 19.01.2024 (54) Chroma quantization in video coding	(71) Axon Enterprise, Inc. (21) 2024200335 (22) 18.01.2024 (54) Methods and apparatus for assigning electrode polarity for a conducted electrical weapon	(71) CG Discovery, Inc. (21) 2024200382 (22) 19.01.2024 (54) Compositions of influenza hemagglutinin with heterologous epitopes and/or altered maturation cleavage sites
	(71) Bigfoot Biomedical, Inc. (21) 2024200423 (22) 23.01.2024 (54) Medicine injection and disease management systems, devices, and methods	(71) Chugai Seiyaku Kabushiki Kaisha (21) 2024200345 (22) 18.01.2024 (54) Antigen-binding domain, and polypeptide including conveying section
		CNH Industrial America LLC see CNH Industrial Harbin Machinery Co., Ltd. (21) 2024200334

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(71) CNH Industrial Harbin Machinery Co., Ltd.; CNH Industrial America LLC (21) 2024200334 (22) 18.01.2024 (54) Independent and suspended spreader hood and distribution deflector	(71) EddyFi Canada Inc. (21) 2024200421 (22) 23.01.2024 (54) TETHER ROLLER APPARATUS	(71) Gen-Probe Incorporated (21) 2024200422 (22) 23.01.2024 (54) System for Measuring Optical Signal Detector Performance
(71) Cobra Fixations Cie Ltee - Cobra Anchors Co. Ltd. (21) 2024200398 (22) 22.01.2024 (54) Anchor assembly for fastener	(71) Element Biosciences, Inc. (21) 2024200383 (22) 19.01.2024 (54) Flow cell device and use thereof	(71) Genzyme Corporation (21) 2024200349 (22) 18.01.2024 (54) Methods for detecting AAV
(71) Combinati Incorporated (21) 2024200310 (22) 17.01.2024 (54) Methods and systems for nucleic acid analysis and quantification	(71) Ethium, LLC (21) 2024200411 (22) 23.01.2024 (54) Modular lithium-ion battery system for fork lifts	(71) Great Plains Manufacturing, Inc. (21) 2024200396 (22) 22.01.2024 (54) Compact Utility Loader
(71) ConMed Corporation (21) 2024200311 (22) 17.01.2024 (54) Suture anchor construct and deployment device	(71) Evapco, Inc. (21) 2024200424 (22) 23.01.2024 (54) Cooling tower axial fan in a hollowed disc/ring configuration	(71) Halliburton Energy Services, Inc. (21) 2024200312 (22) 17.01.2024 (54) WASTEWATER AND EFFLUENT SEPARATION AND TREATMENT SYSTEMS
(71) Cripps Clark, J. (21) 2024200385 (22) 20.01.2024 (54) DevBauxSoak devices for data model systemizations using block chain controls including optional inoperability by containment of the device in its own container as well as included infrastructure supporting useful auxiliary block chain functions.	(71) Ferman, M. (21) 2024200351 (22) 18.01.2024 (54) Polymer Bracket	(71) HITIQ Limited (21) 2024200405 (22) 23.01.2024 (54) INSTRUMENTED MOUTHGUARD DEVICES AND COMPONENTS CONFIGURED FOR USE IN INSTRUMENTED MOUTHGUARD DEVICES
(71) Crispr Therapeutics AG (21) 2024200404 (22) 23.01.2024 (54) Materials and methods for treatment of apolipoprotein c3 (APOCIII)-related disorders	(71) Fiamma S.p.A. (21) 2024200314 (22) 17.01.2024 (54) Fan-shaped vehicle awning	(71) Howmedica Osteonics Corp. (21) 2024200427 (22) 24.01.2024 (54) Pre-operative planning of surgical revision procedures for orthopedic joints
(71) Deere & Company (21) 2024200430 (22) 24.01.2024 (54) Elevation increment-decrement with slope control	(71) FISHER & PAYKEL HEALTHCARE LIMITED (21) 2024200417 (22) 23.01.2024 (54) INTERFACE COMPRISING A NASAL SEALING PORTION AND A ROLLING HINGE	(71) Huawei Technologies Co., Ltd. (21) 2024200359 (22) 19.01.2024 (54) CANDIDATE SIGNALING FOR REFERENCE PICTURE LIST STRUCTURES
(71) DEKA Products Limited Partnership (21) 2024200366 (22) 19.01.2024 (54) CASSETTE SYSTEM INTEGRATED APPARATUS	(71) Foresee Pharmaceuticals Co., Ltd. (21) 2024200323 (22) 18.01.2024 (54) Matrix metalloproteinase (MMP) inhibitors and methods of use thereof	(71) Huawei Technologies Co., Ltd. (21) 2024200360 (22) 19.01.2024 (54) METHOD AND APPARATUS OF INTERPOLATION FILTERING FOR PREDICTIVE CODING
(71) Dolby International AB (21) 2024200328 (22) 18.01.2024 (54) : Efficient combined harmonic transposition	(71) FORTESCUE LTD (21) 2024200400 (22) 22.01.2024 (54) Vessel	(71) Huawei Technologies Co., Ltd. (21) 2024200437 (22) 24.01.2024 (54) PICTURES WITH MIXED NAL UNIT TYPES
(71) Dolby International AB (21) 2024200330 (22) 18.01.2024 (54) : Pitch Filter for Audio Signals and Method for Filtering an Audio Signal with a Pitch Filter	(71) FUJIFILM Irvine Scientific, Inc. (21) 2024200370 (22) 19.01.2024 (54) VENTING SYSTEM FOR A MIXING APPARATUS	(71) Implantica Patent Ltd (21) 2024200375 (22) 19.01.2024 (54) Restriction Device
(71) ECO Garage Doors Pty Ltd (21) 2024200420 (22) 23.01.2024 (54) Handling elongate items	(71) Fujikura Ltd. (21) 2024200358 (22) 19.01.2024 (54) Optical fiber cable	(71) INOSYSTEMS (21) 2024200371 (22) 19.01.2024 (54) MEDICAL APPARATUS FOR SUPPLYING GAS, SUCH AS NO, EQUIPPED WITH A DEVICE FOR FIXING TO AN ELONGATE SUPPORT
	(71) Fujikura Ltd. (21) 2024200409 (22) 23.01.2024 (54) INTERMITTENTLY CONNECTED OPTICAL FIBER RIBBON	

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(71) INOSYSTEMS
 (21) 2024200374 (22) 19.01.2024
 (54) APPARATUS FOR SUPPLYING GAS, SUCH AS NO₂, TO A PATIENT, WITH COUNTING OF THE TOTAL ACTUAL TREATMENT TIME

(71) JAXAMO UK LIMITED
 (21) 2024200304 (22) 17.01.2024
 (54) EXERCISE DEVICES, SYSTEMS, AND METHODS

(71) JCM American Corporation
 (21) 2024200369 (22) 19.01.2024
 (54) Transaction methods for mobile wallet operations in a gaming environment

(71) Jetroptera, Inc.
 (21) 2024200376 (22) 19.01.2024
 (54) Fluidic propulsive system

(71) JETT GLOBAL HOLDINGS PTY LTD
 (21) 2024200403 (22) 23.01.2024
 (54) Modular Interlocking Expandable Plant Trellis

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation
 (21) 2024200313 (22) 17.01.2024
 (54) Electrochemical cell, current collector, and cell stack

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation
 (21) 2024200339 (22) 18.01.2024
 (54) Electrode, membrane electrode assembly, electrochemical cell, stack, and electrolyzer

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation
 (21) 2024200399 (22) 22.01.2024
 (54) Gas processing equipment and gas processing method, and carbon dioxide capture system and carbon dioxide capture method

Kabushiki Kaisha Toshiba see Toshiba Energy Systems & Solutions Corporation
 (21) 2024200432

Komatsu Ltd. see Toyota Jidosha Kabushiki Kaisha
 (21) 2024200379

Komatsu Ltd. see Toyota Jidosha Kabushiki Kaisha
 (21) 2024200380

(71) Kuhn SAS
 (21) 2024200416 (22) 23.01.2024
 (54) Sprayer tank device and sprayer comprising at least one such device

(71) LG Electronics Inc.
 (21) 2024200410 (22) 23.01.2024
 (54) IMAGE DECODING METHOD FOR PERFORMING INTER-PREDICTION WHEN PREDICTION MODE FOR CURRENT BLOCK ULTIMATELY CANNOT BE SELECTED, AND DEVICE FOR SAME

(71) LG Electronics Inc.
 (21) 2024200418 (22) 23.01.2024
 (54) Image or video coding based on palette coding background of the disclosure

(71) Linhai Tajji Crafts Co., Ltd.
 (21) 2024200322 (22) 18.01.2024
 (54) Outdoor louver tent

(71) Luchak, P.W.
 (21) 2024200372 (22) 19.01.2024
 (54) Beverage container insulator

(71) Magic Leap, Inc.
 (21) 2024200391 (22) 22.01.2024
 (54) LIGHT OUTPUT SYSTEM WITH REFLECTOR AND LENS FOR HIGHLY SPATIALLY UNIFORM LIGHT OUTPUT

(71) Mahindra & Mahindra Limited
 (21) 2024200317 (22) 17.01.2024
 (54) A VEHICULAR STEERING WHEEL ASSEMBLY

(71) Massachusetts Institute of Technology
 (21) 2024200388 (22) 22.01.2024
 (54) NITROGEN FIXATION USING REFACTORED NIF CLUSTERS

(71) Matthews, N.
 (21) 2024200381 (22) 19.01.2024
 (54) Modular Scaffolding Standard

(71) Mayo Foundation for Medical Education and Research
 (21) 2024200301 (22) 17.01.2024
 (54) METHOD FOR MODELING HUMERAL ANATOMY AND OPTIMIZATION OF COMPONENT DESIGN

(71) Mayo Foundation for Medical Education and Research
 (21) 2024200316 (22) 17.01.2024
 (54) MATERIALS AND METHODS FOR INCREASING IMMUNE RESPONSES

Memorial Sloan Kettering Cancer Center see St. Jude Children's Research Hospital, Inc.
 (21) 2024200342

(71) Merck Sharp & Dohme LLC
 (21) 2024200393 (22) 22.01.2024
 (54) Cyclic cyanoenone derivatives as modulators of KEAP1

(71) ModernaTX, Inc.
 (21) 2024200425 (22) 23.01.2024
 (54) Cancer vaccines

(71) MORSE MICRO PTY. LTD.
 (21) 2024200378 (22) 19.01.2024
 (54) METHODS AND DEVICES OF CLEAR MEDIUM CALIBRATION COORDINATION

(71) Mountford, H.
 (21) 2024200407 (22) 23.01.2024
 (54) A dual-purpose trailer towing hitch and tear drop shaped rated recovery point

Nacuity Pharmaceuticals, Inc. see The Johns Hopkins University
 (21) 2024200436

(71) National University of Ireland, Galway
 (21) 2024200363 (22) 19.01.2024
 (54) An Ablation Probe

(71) Neurimmune Holding AG
 (21) 2024200315 (22) 17.01.2024
 (54) Human-derived anti-Huntingtin (HTT) antibodies and uses thereof

(71) Nevro Corp.
 (21) 2024200401 (22) 23.01.2024
 (54) HIGH FREQUENCY STIMULATION FOR TREATING SENSORY AND/OR MOTOR DEFICITS IN PATIENTS WITH SPINAL CORD INJURIES AND/OR PERIPHERAL POLYNEUROPATHY, AND ASSOCIATED SYSTEMS AND METHODS

(71) Northwestern University
 (21) 2024200341 (22) 18.01.2024
 (54) Bone-promoting thermoresponsive macromolecules

(71) Northwestern University
 (21) 2024200373 (22) 19.01.2024
 (54) Process for the synthesis of (s)-3-amino-4-(difluoromethyl)cyclopent-1-ene-1-carboxylic acid

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(71) Norwood Industries Inc.
(21) 2024200415 (22) 23.01.2024
(54) Spring assisted adjustable log rest and cross bunk

(71) NuCana plc
(21) 2024200428 (22) 24.01.2024
(54) SYNTHESIS OF SUBSTANTIALLY DI-ASTEREOMERICALLY PURE PHOSPHATE PROTIDES

(71) O'Connor, M.
(21) 2024200419 (22) 23.01.2024
(54) Scissor Lift Emergency Rescue System 'The Drop'

(71) Ocean Sun AS
(21) 2024200320 (22) 17.01.2024
(54) A solar power plant and method of installing a solar power plant

(71) PepsiCo, Inc.
(21) 2024200361 (22) 19.01.2024
(54) Compositions and methods for enhancing sweetness

(71) Pharmasynthez, Joint Stock Company
(21) 2024200431 (22) 24.01.2024
(54) Pyrimidine-Based Bicycles as Antiviral Agents for the Treatment and Prevention of HIV Infection

(71) PlantArcBio Ltd.
(21) 2024200329 (22) 18.01.2024
(54) Methods for Improving Traits in Plants

(71) PTC Therapeutics MP, Inc.
(21) 2024200344 (22) 18.01.2024
(54) Polymorphs of sepiapterin and salts thereof

(71) Rampart IC, LLC
(21) 2024200350 (22) 18.01.2024
(54) Radiation shielding system

(71) Raytheon Systems Ltd.
(21) 2024200384 (22) 20.01.2024
(54) A SECURITY METHOD AND DEVICE

(71) Richards, G.
(21) 2024200386 (22) 21.01.2024
(54) A Table Stabilizer Foot

(71) RxSafe LLC
(21) 2024200325 (22) 18.01.2024
(54) Verification system for a pharmacy packaging system

(71) SAERTEX multiCom GmbH
(21) 2024200389 (22) 22.01.2024
(54) Hydrogen Liner

(71) Samsung Electronics Co., Ltd.
(21) 2024200406 (22) 23.01.2024
(54) Method and apparatus for transmitting and receiving control information and data information in wireless communication system

(71) Sanofi; The United States of America, as represented by The Secretary, Department of Health and Human Services
(21) 2024200395 (22) 22.01.2024
(54) Trispecific and/or trivalent binding proteins for prevention or treatment of HIV infection

(71) SCREEN Holdings Co., Ltd.
(21) 2024200352 (22) 19.01.2024
(54) ELECTRODE STRUCTURE AND WATER ELECTROLYZER

(71) SCREEN Holdings Co., Ltd.
(21) 2024200353 (22) 19.01.2024
(54) ELECTRODE STRUCTURE AND WATER ELECTROLYZER

(71) SITA Information Networking Computing USA, Inc.
(21) 2024200319 (22) 17.01.2024
(54) System, device and method for accessing shared infrastructure

(71) Snap-on Incorporated
(21) 2024200368 (22) 19.01.2024
(54) DUAL PAWL RATCHET MECHANISM

(71) Soflex Furniture Co Ltd
(21) 2024200308 (22) 17.01.2024
(54) ANTI-PINCH SYSTEM FOR AN ELECTRIC SEAT

(71) Spirox, Inc.
(21) 2024200387 (22) 22.01.2024
(54) Nasal implants and systems and method of use

(71) St. Jude Children's Research Hospital, Inc.; Memorial Sloan Kettering Cancer Center
(21) 2024200342 (22) 18.01.2024
(54) Methods and compositions of inhibiting DCN1-UBC12 interaction

(71) Stryker Corporation
(21) 2024200324 (22) 18.01.2024
(54) System and method for controlling an ultrasonic tool

(71) Stryker European Operations Limited
(21) 2024200408 (22) 23.01.2024
(54) Electrosurgical tools, electrosurgical electrodes, and methods of making an electrode for an electrosurgical tool

(71) Stubberfield, D.
(21) 2024200340 (22) 18.01.2024
(54) Storage Roll for Fishing Rigs

(71) Szinger, T.
(21) 2024200333 (22) 18.01.2024
(54) ARM MOVEMENT LIMITING HOSPITAL GOWN

(71) Techtronic Cordless GP
(21) 2024200338 (22) 18.01.2024
(54) Power tool and battery pack for power tool

(71) TEGA INDUSTRIES LIMITED
(21) 2024200327 (22) 18.01.2024
(54) SCREENING PANELS ARRANGEMENT

(71) TERRASEE TECH, LLC
(21) 2024200332 (22) 18.01.2024
(54) DETERMINING PRESENCE AND DEPTH OF MATERIALS IN THE EARTH

(71) The Board of Trustees of the Leland Stanford Junior University
(21) 2024200355 (22) 19.01.2024
(54) PARTIAL AGONISTS OF INTERLEUKIN-2

(71) The Johns Hopkins University; Nacuity Pharmaceuticals, Inc.
(21) 2024200436 (22) 24.01.2024
(54) TREATMENT OF RETINITIS PIGMENTOSA WITH N-ACETYLCYSTEINE AMIDE

(71) The Procter & Gamble Company
(21) 2024200429 (22) 24.01.2024
(54) SEMISOLID MULTI-PHASE ORAL COMPOSITION COMPRISING HYDROPHILIC ACTIVE AGENT PARTICLES

(71) Thermal Road Repairs Limited
(21) 2024200343 (22) 18.01.2024
(54) Road Repair Systems

The United States of America, as represented by The Secretary, Department of Health and Human Services see Sanofi
(21) 2024200395

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(71) Tight Lines Advisors, LLC
 (21) 2024200414 (22) 23.01.2024
 (54) METHOD AND SYSTEM FOR ATTAINING SUSTAINABLE PRODUCTIVITY GROWTH IN AN ENTITY

Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba
 (21) 2024200313

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 (21) 2024200339

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 (21) 2024200399

(71) Toshiba Energy Systems & Solutions Corporation; Kabushiki Kaisha Toshiba
 (21) 2024200432 (22) 24.01.2024
 (54) Carbon dioxide capture system and method of operating carbon dioxide capture system

(71) Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.
 (21) 2024200379 (22) 19.01.2024
 (54) Management system and travelling control system

(71) Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.
 (21) 2024200380 (22) 19.01.2024
 (54) Operation management system

(71) Transportation IP Holdings, LLC
 (21) 2024200426 (22) 24.01.2024
 (54) INSERT DEVICE FOR FUEL INJECTION

(71) Twist Bioscience Corporation
 (21) 2024200331 (22) 18.01.2024
 (54) De novo synthesized nucleic acid libraries

(71) Universität Regensburg; Universitätsklinikum Regensburg
 (21) 2024200362 (22) 19.01.2024
 (54) Photosensitive dispersion and use thereof

Universitätsklinikum Regensburg see Universität Regensburg
 (21) 2024200362

VALLESE, M. see BREEN, W.
 (21) 2024200397

(71) VelocityEHS Holdings, Inc.
 (21) 2024200306 (22) 17.01.2024
 (54) AUTOMATED INDEXING AND EXTRACTION OF INFORMATION IN DIGITAL DOCUMENTS

Wang, Y. see Wang, Z.
 (21) 2024200318

(71) Wang, Z.; Wang, Y.; Xuzhou Xinkun Electric Co., Ltd
 (21) 2024200318 (22) 17.01.2024
 (54) A LIQUID-WASHING AIR PURIFYING AND DISINFECTING DEVICE

(71) Warp Drive Bio, Inc.
 (21) 2024200321 (22) 17.01.2024
 (54) Methods and reagents for analyzing protein-protein interfaces

(71) Westinghouse Air Brake Technologies Corporation
 (21) 2024200438 (22) 24.01.2024
 (54) COMMUNICATION SYSTEM AND METHOD

(71) XCEL IP Pty Ltd
 (21) 2024200337 (22) 18.01.2024
 (54) MOBILE CHARGING DEVICE AND POWER SUPPLY DEVICE FOR AN ELECTRIC VEHICLE

Xuzhou Xinkun Electric Co., Ltd see Wang, Z.
 (21) 2024200318

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2024200323	Foresee Pharmaceuticals Co., Ltd.	2024200385	Cripps Clark, J.
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2024200328	Dolby International AB	2024200390	Casale SA
2024200329	PlantArcBio Ltd.	2024200391	Magic Leap, Inc.
2024200330	Dolby International AB	2024200392	Arbutus Biopharma Corporation
2024200331	Twist Bioscience Corporation	2024200393	Merck Sharp & Dohme LLC
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2024200333	Szinger, T.	2024200395	Sanofi; The United States of America, as represented by The Secretary, Department of Health and Human Services
2024200334	CNH Industrial Harbin Machinery Co., Ltd.; CNH Industrial America LLC	2024200396	Great Plains Manufacturing, Inc.
2024200335	Axon Enterprise, Inc.	2024200397	BREEN, W.; VALLESE, M.
2024200336	Biocompatibles UK Limited	2024200398	Cobra Fixations Cie Ltee - Cobra Anchors Co. Ltd.
2024200337	XCEL IP Pty Ltd	2024200399	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation
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2024200354	AMOURIS, K.	2024200417	FISHER & PAYKEL HEALTHCARE LIMITED
2024200355	The Board of Trustees of the Leland Stanford Junior University	2024200418	LG Electronics Inc.
2024200356	Atlas Power Technologies Inc.	2024200419	O'Connor, M.
2024200357	Apple Inc.	2024200420	ECO Garage Doors Pty Ltd
2024200358	Fujikura Ltd.	2024200421	EddyFi Canada Inc.
2024200359	Huawei Technologies Co., Ltd.	2024200422	Gen-Probe Incorporated
2024200360	Huawei Technologies Co., Ltd.	2024200423	Bigfoot Biomedical, Inc.
2024200361	PepsiCo, Inc.	2024200424	Evapco, Inc.
2024200362	Universität Regensburg; Universitätsklinikum Regensburg	2024200425	ModernaTX, Inc.
2024200363	National University of Ireland, Galway	2024200426	Transportation IP Holdings, LLC
2024200364	Apple Inc.	2024200427	Howmedica Osteonics Corp.
2024200365	Assurant, Inc.	2024200428	NuCana plc
		2024200429	The Procter & Gamble Company
		2024200430	Deere & Company
		2024200431	Pharmasynitez, Joint Stock Company

Complete Applications Filed - Numerical Index cont'd

- 2024200432** Toshiba Energy Systems & Solutions Corporation; Kabushiki Kaisha Toshiba
- 2024200436** The Johns Hopkins University; Nacuity Pharmaceuticals, Inc.
- 2024200437** Huawei Technologies Co., Ltd.
- 2024200438** Westinghouse Air Brake Technologies Corporation
- 2024200439** Australian Industrial Plastics Pty Ltd
- 2024200441** Boston Scientific Scimed, Inc.

Innovation Patent Applications Filed**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 16 Jan 2024 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) MP Hydro Pty Limited
(21) 2024100002 **(22)** 18.01.2024
(54) Swimming pool
(62) 2020223664

Numerical Index

2024100002 MP Hydro Pty Limited

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

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

The codes next to each number have the following meanings:

Code Meaning

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

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

2004

2004200130 (14)	2004200157 (14)	2004204031 (14)
2004204132 (14)	2004204143 (14)	2004204262 (14)
2004204396 (14)	2004204463 (14)	2004204969 (14)
2004205878 (14)	2004206028 (14)	2004206275 (14)
2004206698 (14)	2004206722 (14)	2004206734 (14)
2004206763 (14)	2004206815 (14)	2004206821 (14)
2004206829 (14)	2004206860 (14)	2004206871 (14)
2004206886 (14)	2004207369 (14)	2004207454 (14)
2004207460 (14)	2004207461 (14)	2004207758 (14)
2004208425 (14)	2004208556 (14)	2004208632 (14)
2004209383 (14)	2004210115 (14)	2004210210 (14)
2004210214 (14)	2004210219 (14)	2004211137 (14)
2004220108 (14)	2004220114 (14)	2004253318 (14)
2004255458 (14)	2004258144 (14)	2004270630 (14)
2004308879 (14)	2004312098 (14)	

2005

2005225088 (14)	2005258946 (14)	2005263296 (14)
2005265357 (14)	2005269864 (14)	2005275353 (14)

2005290921 (14)

2006

2006202909 (14)	2006264317 (14)	2006267249 (14)
2006268005 (14)	2006269216 (14)	2006269351 (14)
2006269354 (14)	2006269405 (14)	2006269444 (14)
2006269514 (14)	2006269815 (14)	2006272429 (14)
2006345778 (14)	2006351441 (14)	

2007

2007237221 (14)	2007237298 (14)	2007270152 (14)
2007270359 (14)	2007291477 (14)	

2008

2008201695 (14)	2008270209 (14)	2008273185 (14)
2008274263 (14)	2008275072 (14)	2008275270 (14)
2008275713 (14)	2008276669 (14)	2008277789 (14)
2008279509 (14)		

2009

2009200414 (14)	2009238287 (14)	2009251189 (14)
2009251213 (14)	2009267724 (14)	2009267844 (14)
2009268641 (14)	2009268680 (14)	2009269684 (14)
2009272031 (14)	2009272857 (14)	

2010

2010200837 (14)	2010202738 (14)	2010202864 (14)
2010202888 (14)	2010202892 (14)	2010269117 (14)
2010269313 (14)	2010269749 (14)	2010270072 (14)
2010270147 (14)	2010270163 (14)	2010270221 (14)
2010270268 (14)	2010270603 (14)	2010270610 (14)
2010270722 (14)	2010270766 (14)	2010272685 (14)
2010275849 (14)	2010281832 (14)	

2011

2011203273 (14)	2011274472 (14)	2011274665 (14)
2011274881 (14)	2011276223 (14)	2011276246 (14)
2011280389 (14)	2011283147 (14)	2011283964 (14)
2011283965 (14)	2011283966 (14)	2011299500 (14)
2011372537 (14)		

2012

2012202689 (14)	2012202991 (14)	2012203909 (14)
2012206980 (14)	2012278751 (14)	2012278884 (14)
2012279046 (14)	2012280064 (14)	2012280170 (14)
2012282873 (14)	2012282905 (14)	2012282929 (14)
2012286098 (14)	2012310880 (14)	2012384541 (14)

2013

2013206698 (14)	2013284826 (14)	2013284827 (14)
2013285085 (14)	2013285778 (14)	2013286809 (14)
2013287516 (14)	2013288863 (14)	2013289284 (14)
2013289323 (14)	2013289339 (14)	2013295399 (14)
2013343410 (14)		

2014

2014203315 (14)	2014203714 (14)	2014203758 (14)
2014259560 (14)	2014286931 (14)	2014287499 (14)
2014287530 (14)	2014287956 (14)	2014289975 (14)
2014293717 (14)	2014304950 (14)	2014400285 (14)
2014400671 (14)		

2015

2015202326 (14)	2015203807 (14)	2015271882 (14)
2015286798 (14)	2015288135 (14)	2015291641 (14)
2015295710 (14)		

2016

2016100016 (22)	2016100017 (22)	2016100026 (22)
2016100028 (22)	2016100033 (22)	2016100035 (22)
2016100036 (22)	2016100037 (22)	2016102464 (22)
2016200679 (14)	2016204613 (14)	2016204705 (14)
2016289048 (14)	2016289276 (14)	2016290197 (14)

Complete Specifications Treated as Provisional Specifications, Section 37

2022

2022279505 **Nilo Limited** Provisional Number: 2022904049

Assignments before Grant, Section 113

2017

2017391000 Tohoku University; Kumiai Chemical Industry Co., Ltd.; National Institute of Advanced Industrial Science and Technology The application has been assigned to **Tohoku University; Kumiai Chemical Industry Co., Ltd.**

2018

2018315731 Benson Hill, Inc. The application has been assigned to **RiceTec, Inc.**

2018324087 OmniEarth, Inc. The application has been assigned to **Eagle View Technologies, Inc.**

2018330051 National Cheng Kung University; Excel Med, LLC The application has been assigned to **National Cheng Kung University**

2018388629 Cycleron Therapeutics, Inc. The application has been assigned to **Tisento Therapeutics Inc.**

2019

2019203100 DSI Tunneling LLC The application has been assigned to **FCI Holdings Delaware, Inc.**

2019229778 Chinoín Gyógyszer És Vegyészeti Termékek Gyára Zrt. The application has been assigned to **EUROAPI Hungary Limited Liability Company**

2019256800 Chinoín Gyógyszer És Vegyészeti Termékek Gyára Zrt. The application has been assigned to **EUROAPI Hungary Limited Liability Company**

2019372164 COLEMAN Srl The application has been assigned to **Triskelis Therapeutics S.R.L.**

2019396627 Pear Therapeutics (US), Inc. The application has been assigned to **Harvest Bio LLC**

2019434270 Medicago Inc.; National University Corporation Nara Institute of Science and Technology; Mitsubishi Tanabe Pharma Corporation The application has been assigned to **Medicago Inc.**

2020

2020209163 ARRIS Enterprises LLC The application has been assigned to **RUCKUS IP HOLDINGS LLC**

2021

2021224768 Hologic, Inc.; SuperSonic Imagine The application has been assigned to **Hologic, Inc.**

Assignments before Grant, Section 113

2021242290 Hologic, Inc.; SuperSonic Imagine The application has been assigned to **Hologic, Inc.**

2021244562 Hologic, Inc.; SuperSonic Imagine The application has been assigned to **Hologic, Inc.**

2021287332 PANDA-Seal International Ltd The application has been assigned to **PSP-IP Limited**

2021290326 Future Currency Group Pty Ltd The application has been assigned to **FCG Asset Holdings Pty Ltd**

2021323524 GK8 Ltd The application has been assigned to **Galaxy Digital Trading LLC**

2021328716 PANDA-Seal International Ltd The application has been assigned to **PSP-IP Limited**

2021339651 PH DIGITAL VENTURES UK LIMITED The application has been assigned to **Yum Connect, LLC.**

2021382955 UNIVERSITY OF ULSAN FOUNDATION FOR INDUSTRY COOPERATION; THE ASAN FOUNDATION The application has been assigned to **LN Robotics Inc.**

2023

2023200587 AME Pty Ltd The application has been assigned to **AME Offshore Solutions Pty Ltd**

2023202631 Pear Therapeutics (US), Inc.; Novartis AG The application has been assigned to **Harvest Bio LLC; Novartis AG**

2023241395 Pear Therapeutics (US), Inc. The application has been assigned to **Harvest Bio LLC**

2023241396 Pear Therapeutics (US), Inc.; Novartis AG The application has been assigned to **Harvest Bio LLC; Novartis AG**

2023903763 Modulate Group Pty Limited The application has been assigned to **Asia Pacific Shipping 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.

2010

2010204680 **Living Proof, Inc.** An application to extend the time from 15 Jan 2023 to 15 Nov 2023 in which to pay a renewal fee has been filed. Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

Applications Allowed - Section 223(2)

2018

2018282264 **Narellan Innovations Pty Limited** The time in which to pay the acceptance fee has been extended to 06 Dec 2023. Address

Extensions of Time, Section 223

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

2019

2019222873 **Amplifier Marketing Pty Limited** The time in which to pay a renewal fee has been extended to 27 Aug 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019266051 **ATI Properties LLC** The time in which to pay a renewal fee has been extended to 28 Oct 2023 . Address for service - K&L Gates Level 25 South Tower 525 Collins Street Melbourne VIC 3000 AU

2020

2020387684 **TIGERCAT INDUSTRIES INC.** The time in which to enter the National Phase has been extended to 18 Jun 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2021

2021221547 **MAGIC FIDGETZ PTY LTD** The time in which to pay the acceptance fee has been extended to 15 Sep 2023 . Address for service - Baxter Patent Attorneys Pty Ltd Level 12/10 Carrington St Sydney NSW 2000 AU

2021221646 **ROTHENBUHLER ENGINEERING CO.** The time in which to pay a continuation fee and gain acceptance has been extended to 06 Jun 2024 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2023

2023248162 **TLS CORP.** The time in which to request examination has been extended to 25 Jan 2024 . Address for service - DAVIS IP PTY LTD PO Box 3066 Newstead QLD 4006 AU

2023254868 **VELOX-PUREDIGITAL LTD.** The time in which to request examination has been extended to 07 Feb 2024 . Address for service - Collison & Co Gpo Box 2556 Adelaide SA 5001 AU

2023266267 **Royal Bank of Canada** The time in which to make a further application for a divisional patent has been extended to 10 Dec 2023 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

Amendments

Applications for Amendment

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

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

2017

2017213835 Regulation of gene expression through aptamer-modulated polyadenylation **MeiraGTx UK II Limited** The nature of the amendment is as shown in the statement(s) filed 16 Jan 2024 . Address

Amendments

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

2017354027 Distribution of engineered-cysteine caps **Seagen Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Jan 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020

2020257284 Foam for optical fiber cable, composition, and method of manufacturing **Corning Research & Development Corporation** The nature of the amendment is as shown in the statement(s) filed 12 Jan 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2021

2021290132 Presenting avatars in three-dimensional environments **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 18 Jan 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2022

2022201394 System for Analyzing Data as Well as Mobile Gas Measuring Device as Well as Data Processing Unit for Such a System **Dräger Safety AG & Co. KGaA** The nature of the amendment is as shown in the statement(s) filed 08 Jan 2024 . Address for service - Oxygene IP PO Box 611 BALWYN NORTH VIC 3104 AU

2022221498 Creation and update of hierarchical websites based on collected business knowledge **Wix.com Ltd.** The nature of the amendment is as shown in the statement(s) filed 10 Jan 2024 . Address for service - FPA Patent Attorneys Pty Ltd Suite 2, Level 9 275 George Street Sydney NSW 2000 AU

2022268347 MAGEA1 IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING MAGEA1 IMMUNOGENIC PEPTIDES, AND USES THEREOF **TScan Therapeutics, Inc. ; Dana-Farber Cancer Institute, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Jan 2024 . Address for service - RnB IP Pty Ltd PO Box 9530 DEAKIN ACT 2600 AU

Amendments Made

2002

2002344419 **Astellas Pharma Inc.** The nature of the amendment is as shown in the statement(s) filed 30 Aug 2023

2006

2006220829 **Pfizer Products Inc.** The nature of the amendment is as shown in the statement(s) filed 13 Oct 2023

2016

2016332900 **Amgen Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Oct 2023

2016358172 **Research Institute at Nationwide Children's Hospital** The nature of the amendment is: Amend the name of the inventor to read Rodino-Klapac, Louise and Potter, Rachael

Amendments**2017**

2017306409 **Lone Gull Holdings, Ltd.** The nature of the amendment is: Amend the name of the inventor to read Sheldon-Coulson, Garth Alexander and Moffat, Brian Lee

2018

2018206539 **Intarcia Therapeutics, Inc.** The nature of the amendment is: Amend the invention title to read Methods comprising continuous administration of a GLP-1 receptor agonist and co-administration of a drug

2018207216 **Bridge and Track Crane LLC D/B/A Rcrane** The nature of the amendment is as shown in the statement(s) filed 19 Oct 2023

2018229465 **AgCoTech IP Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2018102254

2018240375 **ASCENDIS PHARMA A/S** The nature of the amendment is as shown in the statement(s) filed 19 Oct 2023

2018255769 **Capartis AG** The nature of the amendment is as shown in the statement(s) filed 16 Jan 2024

2018337731 **C.R. Bard, Inc.** The nature of the amendment is as shown in the statement(s) filed 18 Sep 2023

2018366480 **Grifols Diagnostic Solutions Inc.** The nature of the amendment is as shown in the statement(s) filed 11 Oct 2023

2020

2020271419 **Bruckbauer, W.** The nature of the amendment is: Amend the invention title to read DEVICE FOR HEATING COOKING GOODS

2020276284 **Khoros, LLC; Davis, S.J.; Woods, J.M.; Poncher, A.L.** The nature of the amendment is as shown in the statement(s) filed 24 Oct 2023

2020317522 **Rheinmetall Waffe Munition GmbH** The nature of the amendment is: Amend the invention title to read BREECH AND WEAPON SYSTEM WITH THE BREECH

2020357748 **Muzak LLC** The nature of the amendment is as shown in the statement(s) filed 26 Sep 2023

2020455964 **Atlas Power Technologies Inc.** The nature of the amendment is: Amend the invention title to read Activated carbon pore size distribution and applications thereof

2021

2021204730 **Mayo Foundation for Medical Education and Research** The nature of the amendment is as shown in the statement(s) filed 03 Oct 2023

2021260042 **Deutsches Krebsforschungszentrum Stiftung des öffentlichen Rechts** The nature of the amendment is: Amend the name of the inventor to read PAPAVALIIOU-STEBBINS, Fotini; TRILLER, Gianna; STEBBINS, Erec and VERDI, Joseph

Amendments

2021261977 **Mechanical System Dynamics Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read Prem, Hans and Mai, Kink-Luan Viet

2021261977 **Mechanical System Dynamics Pty Ltd** The nature of the amendment is: Amend the invention title to read Multi-Articulated Goods-Carrying Road Vehicle

2021421464 **KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION** The nature of the amendment is: Amend the invention title to read Storage battery management device and storage battery management method

2022

2022209252 **Lone Gull Holdings, Ltd.** The nature of the amendment is: Amend the name of the inventor to read Moffat, Brian Lee and Sheldon-Coulson, Garth

2022213307 **POTRERO MEDICAL, INC.** The nature of the amendment is: Amend the name of the inventor to read SUNIGA, Hannah Jackson; KEENAN, Rich and ZIEGLER, Mark

2022222470 **SUDO BIOSCIENCES LIMITED** The nature of the amendment is: Amend the name of the inventor to read PANDEY, Anjali; DIETSCH, Gregory; MANOJVEER, Seetharaman; THAKKAR, Mahesh; DURAISWAMY, Athsayamani, Jeyaraj and KALVA, Sukesh

2022270419 **SOVIDA SOLUTIONS LTD.** The nature of the amendment is: Amend the priority details to read 63/183,714 04 May 2021 US

2022270419 **SOVIDA SOLUTIONS LTD.** The nature of the amendment is: Amend the name of the inventor to read HOLZMEISTER, Johannes; ERLE, Hanns-Eberhard and ABRIAT, Anne

2022286921 **MOULD, D.R.; MOLNAR, S.** The nature of the amendment is: Amend the name of the inventor to read MOULD, Diane, R. and MOLNAR, Steven

2022292549 **KAI CONCEPTS, LLC** The nature of the amendment is as shown in the statement(s) filed 15 Dec 2023

2022294861 **MINGHUI PHARMACEUTICAL (HANGZHOU) LTD.; MINGHUI PHARMACEUTICAL (SHANGHAI) LTD.** The nature of the amendment is: Amend the invention title to read An anti-tumor compound and its application

2022299766 **JFE STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read TREATMENT METHOD OF MOLTEN STEEL AND STEEL PRODUCTION METHOD

2022303647 **KAWASAKI JUKOGYO KABUSHIKI KAISHA; TB GLOBAL TECHNOLOGIES LTD.** The nature of the amendment is: Amend the invention title to read EMERGENCY RELEASE MECHANISM OF FLUID LOADING EQUIPMENT

2022304821 **B-FCTL CO., LTD.** The nature of the amendment is: Amend the invention title to read PURIFICATION METHOD AND SYSTEM OF NMMO AND NMMO HYDRATE CRYSTAL OBTAINED THEREOF

Amendments

2023

2023203325 **Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: Remove divisional 2021104349

2023210139 **LG ENERGY SOLUTION, LTD.** The nature of the amendment is: Amend the invention title to read Fire monitoring apparatus and method

2023263008 **LG CHEM, LTD.** The nature of the amendment is: Amend the invention title to read HIGHLY BRANCHED POLYLACTIDE RESIN AND METHOD FOR PREPARING THE SAME

2023902849 **INTIX TICKETING PTY LTD** The nature of the amendment is: Application is to proceed under number 2023308723

2023904128 **ResMed Pty Ltd** The nature of the amendment is: Amend the invention title to read Improvements to Heat and Moisture Exchangers

2024

2024200107 **Lone Gull Holdings, Ltd.** The nature of the amendment is: Amend the name of the inventor to read Sheldon-Coulson, Garth Alexander and Moffat, Brian Lee

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

2007

2007221737 **NCR Corporation** The name of the patentee has been altered to **NCR Voyix Corporation**

2007221741 **NCR Corporation** The name of the patentee has been altered to **NCR Voyix Corporation**

2007231671 **NCR Corporation** The name of the patentee has been altered to **NCR Voyix Corporation**

2007231672 **NCR Corporation** The name of the patentee has been altered to **NCR Voyix Corporation**

2007231674 **NCR Corporation** The name of the patentee has been altered to **NCR Voyix Corporation**

2008

2008271033 **NCR Corporation** The name of the patentee has been altered to **NCR Voyix Corporation**

2008312344 **Architectural Polymers, Inc.** The name of the patentee has been altered to **Architectural Polymers LLC**

2011

2011210255 **NIPD Genetics Ltd** The name of the patentee has been altered to **Medicover Public Co Ltd**

2012

2012212992 **Cadila Healthcare Limited** The name of the patentee has been altered to **Zydus Lifesciences Limited**

Amendments

2012238238 **Architectural Polymers, Inc.** The name of the patentee has been altered to **Architectural Polymers LLC**

2012372783 **Trimed, Incorporated** The name of the patentee has been altered to **TriMed Inc.**

2012372784 **Trimed, Incorporated** The name of the patentee has been altered to **TriMed Inc.**

2013

2013200830 **NCR Corporation** The name of the patentee has been altered to **NCR Voyix Corporation**

2013201152 **LION (AUSTRALIA) PTY LTD** The name of the patentee has been altered to **Lion (Aust) Consolidated Pty. Ltd.**

2013216565 **Trimed, Incorporated** The name of the patentee has been altered to **TriMed Inc.**

2013265267 **Centre hospitalier universitaire de Nice; Rarecells; Institut National de la Sante et de la Recherche Medicale; Assistance Publique - Hopitaux de Paris; université Paris Cité; Université Nice Sophia Antipolis** The name of the patentee has been altered to **Université Côte d'Azur; Centre hospitalier universitaire de Nice; Rarecells; Institut National de la Sante et de la Recherche Medicale; Assistance Publique - Hopitaux de Paris; université Paris Cité**

2013368843 **Cadila Healthcare Limited** The name of the patentee has been altered to **Zydus Lifesciences Limited**

2014

2014250618 **Architectural Polymers, Inc.** The name of the patentee has been altered to **Architectural Polymers LLC**

2015

2015205901 **Trimed, Incorporated** The name of the patentee has been altered to **TriMed Inc.**

2015268725 **Cadila Healthcare Limited** The name of the patentee has been altered to **Zydus Lifesciences Limited**

2016

2016204539 **Trimed, Incorporated** The name of the patentee has been altered to **TriMed Inc.**

2016269332 **NIPD Genetics Public Company Limited** The name of the patentee has been altered to **Medicover Public Co Ltd**

2016326716 **Geothermic Solution, LLC** The name of the patentee has been altered to **XGS Energy, Inc.**

2017

2017272275 **Trimed, Incorporated** The name of the patentee has been altered to **TriMed Inc.**

2017380830 **Trimed, Incorporated** The name of the patentee has been altered to **TriMed Inc.**

Amendments

2018

2018247219 université Paris Cité; Assistance Publique - Hopitaux de Paris; Rarecells; Institut National de la Sante et de la Recherche Medicale; Centre hospitalier universitaire de Nice; Université Nice Sophia Antipolis The name of the patentee has been altered to **université Paris Cité; Université Côte d'Azur; Assistance Publique - Hopitaux de Paris; Rarecells; Institut National de la Sante et de la Recherche Medicale; Centre hospitalier universitaire de Nice**

2018296568 NIPD Genetics Public Company Limited The name of the applicant has been altered to **Medicover Public Co Ltd**

2018296673 NIPD Genetics Public Company Limited The name of the applicant has been altered to **Medicover Public Co Ltd**

2018298437 NIPD Genetics Public Company Limited The name of the applicant has been altered to **Medicover Public Co Ltd**

2018298443 NIPD Genetics Public Company Limited The name of the applicant has been altered to **Medicover Public Co Ltd**

2018314280 Unity Biotechnology, Inc.; University of Montreal The name of the patentee has been altered to **RSEM, SOCIÉTÉ EN COMMANDITE; Unity Biotechnology, Inc.**

2018386560 FMC Technologies The name of the applicant has been altered to **T.EN Loading Systems**

2019

2019299440 Trimed, Incorporated The name of the patentee has been altered to **TriMed Inc.**

2020

2020220365 NIPD Genetics Public Company Limited The name of the applicant has been altered to **Medicover Public Co Ltd**

2020221974 NIPD Genetics Public Company Limited The name of the applicant has been altered to **Medicover Public Co Ltd**

2020424201 Emerson Climate Technologies (Suzhou) Co., Ltd. The name of the applicant has been altered to **Copeland Climate Technologies (Suzhou) Co., Ltd.**

2021

2021107665 Swim Spas and Plunge Pools Pty Limited The name of the patentee has been altered to **Plunge Pool Factory Pty Limited**

2021211402 Trimed, Incorporated The name of the applicant has been altered to **TriMed Inc.**

2021216566 Trimed, Incorporated The name of the applicant has been altered to **TriMed Inc.**

2021350240 ThyssenKrupp AG; Atlas Elektronik GmbH The name of the applicant has been altered to **thyssenkrupp AG; ATLAS ELEKTRONIK GmbH**

Amendments

2022

2022205186 Geothermic Solution, LLC The name of the patentee has been altered to **XGS Energy, Inc.**

2022205253 Yeti Coolers, LLC The name of the applicant has been altered to **YETI Coolers, LLC**

2022273276 1/1BOSTON SCIENTIFIC NEUROMODULATION CORPORATION The name of the applicant has been altered to **Boston Scientific Neuromodulation Corporation**

2022283288 ERGOMOTION, INC.; ERMALOVICH, Joseph The name of the applicant has been altered to **ERGOMOTION, INC.**

2022286921 MOULD, Diane R.; MOLNAR, Steve The name of the applicant has been altered to **MOULD, D.R.; MOLNAR, S.**

2022308733 CIBUS US LLC; CIBUS EUROPE B.V. The name of the applicant has been altered to **CIBUS EUROPE B.V.**

2022326568 DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES OFFENTLICHEN RECHTS; UNIVERSITAT HEIDELBERG; Martin SILL; Stefan PFISTER; David JONES; Andreas VON DEIMLING; David CAPPER; Volker HOVESTADT; Felix SAHM; Daniel SCHRIMPF The name of the applicant has been altered to **DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES OFFENTLICHEN RECHTS; UNIVERSITAT HEIDELBERG**

2023

2023202103 Milton Roy, LLC The name of the applicant has been altered to **Milton Roy, LLC**

2023204241 Geothermic Solution, LLC The name of the applicant has been altered to **XGS Energy, Inc.**

2023251388 University of Montreal; Unity Biotechnology, Inc. The name of the applicant has been altered to **Unity Biotechnology, Inc.; RSEM, SOCIÉTÉ EN COMMANDITE**

2023251526 Pherecydes Pharma The name of the applicant has been altered to **Erytech Pharma**

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Name Index

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

(71) 4:3:2: Pty Ltd
 (11) AU-A-2023204690
 (21) 2023204690 (22) 14.07.2023
 (54) APPARATUS FOR TREATING DISEASE AND/OR INJURY
 (51) Int. Cl.
 A61H 23/02 (2006.01)
 A61N 1/04 (2006.01)
 (31) 2022902073 (32) 14.07.22 (33) AU
 (43) 01.02.2024
 (72) Kreplins, Michael
 (74) Madderns Pty Ltd

(71) Abiomed, Inc.
 (11) AU-A-2024200248
 (21) 2024200248 (22) 15.01.2024
 (54) Systems and methods for capturing data from a medical device
 (51) Int. Cl.
 H04L 67/125 (2022.01)
 G06F 18/00 (2023.01)
 G06F 18/213 (2023.01)
 (43) 01.02.2024
 (62) 2018290312
 (72) AGNELLO, Alessandro Simone
 (74) Davies Collison Cave Pty Ltd

(71) Adicet Therapeutics, Inc.
 (11) AU-A-2023278051
 (21) 2023278051 (22) 06.12.2023
 (54) Methods for selective expansion of γδ T-cell populations and compositions thereof
 (51) Int. Cl.
 A61K 35/12 (2015.01)
 A61K 35/17 (2015.01)
 C12N 5/0783 (2010.01)
 (43) 01.02.2024
 (62) 2017261804
 (72) Jakobovits, Aya; Foord, Orit; Lin, Andy An-Deh; Santaguida, Marianne Theresa; Desai, Radhika Chetan; Jing, Yifeng Frank; Satpayev, Daulet Kady; Li, Yan
 (74) Griffith Hack

(71) Adobe Inc.
 (11) AU-A-2023203008
 (21) 2023203008 (22) 15.05.2023
 (54) NODE GRAPH OPTIMIZATION USING DIFFERENTIABLE PROXIES
 (51) Int. Cl.
 G06T 11/40 (2006.01)
 G06F 16/901 (2019.01)
 G06N 20/00 (2019.01)
 (31) 17/864,901 (32) 14.07.22 (33) US

(43) 01.02.2024
 (72) Hu, Yiwei; Deschaintre, Valentin; Guerrero, Paul; Hasan, Milos
 (74) RnB IP Pty Ltd

(71) Akouos, Inc.
 (11) AU-A-2023274083
 (21) 2023274083 (22) 28.11.2023
 (54) Compositions and methods for treating non-age-associated hearing impairment in a human subject
 (51) Int. Cl.
 C12N 15/85 (2006.01)
 A61K 48/00 (2006.01)
 C07K 14/47 (2006.01)
 C12N 15/65 (2006.01)
 C12N 15/86 (2006.01)
 (43) 01.02.2024
 (62) 2017315679
 (72) Emmanuel John Simons; Ellen Reisinger; Hanan Al-Moyed; Sebastian Kügler
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Alcon Inc.
 (11) AU-A-2024200326
 (21) 2024200326 (22) 18.01.2024
 (54) MULTIFOCAL OPHTHALMIC LENS HAVING CHROMATIC ABERRATION CORRECTION
 (51) Int. Cl.
 G02C 7/04 (2006.01)
 A61F 2/16 (2006.01)
 G02C 7/06 (2006.01)
 (43) 01.02.2024
 (62) 2018259230
 (72) Wei, Xin; Hong, Xin
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Allergan Industrie, SAS
 (11) AU-A-2024200249
 (21) 2024200249 (22) 15.01.2024
 (54) Dermal filler compositions
 (51) Int. Cl.
 A61K 8/73 (2006.01)
 A61K 8/67 (2006.01)
 A61L 27/20 (2006.01)
 A61L 27/50 (2006.01)
 A61Q 19/08 (2006.01)
 C08B 37/08 (2006.01)
 (43) 01.02.2024
 (62) 2021221920
 (72) Njikang, Gabriel N.; Yu, Xiaojie; Liu, Fuchian; Manesis, Nicholas J.
 (74) Davies Collison Cave Pty Ltd

(71) Alnylam Pharmaceuticals, Inc.
 (11) AU-A-2023266339
 (21) 2023266339 (22) 16.11.2023

(54) Ketohexokinase (KHK) iRNA compositions and methods of use thereof
 (51) Int. Cl.
 C12N 15/113 (2010.01)
 A61K 31/713 (2006.01)
 (43) 01.02.2024
 (62) 2021204336
 (72) Kevin FITZGERALD; Brian BETTEN-COURT; Gregory HINKLE; Jennifer WILLOUGHBY
 (74) Griffith Hack

(71) Amicus Therapeutics, Inc.
 (11) AU-A-2024200071
 (21) 2024200071 (22) 05.01.2024
 (54) Augmented acid alpha-glucosidase for the treatment of Pompe disease
 (51) Int. Cl.
 A61K 38/47 (2006.01)
 A61K 9/00 (2006.01)
 A61K 31/445 (2006.01)
 A61P 21/00 (2006.01)
 A61P 43/00 (2006.01)
 (43) 01.02.2024
 (62) 2016381832
 (72) Do, Hung V.; Khanna, Richie; Gotschall, Russell
 (74) Dark IP

Annis, K. see Full Circle International, Inc.
 (21) 2023204585

(71) Apple Inc.
 (11) AU-A-2024200190
 (21) 2024200190 (22) 11.01.2024
 (54) Presenting avatars in three-dimensional environments
 (51) Int. Cl.
 G06F 3/01 (2006.01)
 G06F 3/03 (2006.01)
 G06T 13/40 (2011.01)
 (43) 01.02.2024
 (62) 2021290132
 (72) Butcher, Gary Ian; Burton, Rupert; Dargan, Dorian D.; Henderson, Nicholas W.; Rickwald, Jason; Scapel, Nicolas; Yerkes, Giancarlo; Bauerly, Kristi E.S.
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2024200283
 (21) 2024200283 (22) 16.01.2024
 (54) Methods and interfaces for home media control
 (51) Int. Cl.
 H04L 29/02 (2006.01)
 (43) 01.02.2024
 (62) 2022241590
 (72) Coffman, Patrick L.; Albuquerque, Fernando; Carrigan, Taylor G.; Cielak,

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- Matthew J.; Family, Afrooz; Graham, David Chance; Irani, Cyrus Daniel; Verweij, Hugo; Anderson, Molly; Hulbert, Thomas S.; Kerr, Duncan; Mari, Pedro; Piercy, Aimee
(74) FPA Patent Attorneys Pty Ltd
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- (71)** Apple Inc.
(11) AU-A-2024200284
(21) 2024200284 **(22)** 16.01.2024
(54) Displaying user interfaces associated with physical activities
(51) Int. Cl.
A63B 24/00 (2006.01)
(43) 01.02.2024
(62) 2023203776
(72) Williams, Aled Hywel; Butcher, Gary Ian; Sundstrom, Matthew J.; Wiebe, Molly Pray
(74) FPA Patent Attorneys Pty Ltd
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- (71)** Applied Medical Resources Corporation
(11) AU-A-2024200186
(21) 2024200186 **(22)** 11.01.2024
(54) Reload shaft assembly for surgical stapler
(51) Int. Cl.
A61B 17/00 (2006.01)
A61B 1/00 (2006.01)
A61B 1/12 (2006.01)
A61B 1/253 (2006.01)
A61B 5/00 (2006.01)
A61B 17/06 (2006.01)
A61F 2/00 (2006.01)
A61F 2/04 (2013.01)
A61F 13/20 (2006.01)
A61F 13/472 (2006.01)
A61F 13/475 (2006.01)
A61F 13/494 (2006.01)
A61F 13/513 (2006.01)
A61F 13/56 (2006.01)
A61M 1/00 (2006.01)
(43) 01.02.2024
(62) 2022201096
(72) JASEMIAN, Babak D.; DECKER, Steven E.; PATEL, Atal C.; NELSON, Erik; MCCARTHY, Andrew J.; ZIMMERMAN, Scott; HOPKINS, Timothy M.; SCHOBER, Joshua M.; WEISS, Eric J.; BECERRA, Matthew M.; REED, Christina N.
(74) Griffith Hack
-
- (71)** Arbutus Biopharma Corporation
(11) AU-A-2024200270
(21) 2024200270 **(22)** 16.01.2024
(54) SCREENING METHOD FOR SELECTED AMINO LIPID-CONTAINING COMPOSITIONS
(51) Int. Cl.
A61K 9/127 (2006.01)
G01N 33/50 (2006.01)
(43) 01.02.2024
(62) 2022221390
(72) MUI, Barbara; DE FOUGEROLLES, Antonin; BORODOVSKY, Anna; AKINC, Akin; TRACY, Mark; CULLIS, Pieter Rutter; MADDEN, Thomas D.; NOVO-
- BRANTSEVA, Tatiana; HOME, Michael J.; CIUFOLINI, Marco
(74) Griffith Hack
-
- (71)** Arrowhead Pharmaceuticals, Inc.
(11) AU-A-2024200142
(21) 2024200142 **(22)** 10.01.2024
(54) RNAi therapy for Hepatitis B virus infection
(51) Int. Cl.
A61K 31/7115 (2006.01)
A61K 31/713 (2006.01)
A61K 38/16 (2006.01)
C07H 21/02 (2006.01)
C12N 15/113 (2010.01)
C12N 15/51 (2006.01)
(43) 01.02.2024
(62) 2016306275
(72) WOODDELL, Christine I.; ROZEMA, David B.; LEWIS, David L.; WAKEFIELD, Darren H.; ALMEIDA, Lauren J.
(74) Spruson & Ferguson
-
- (71)** Aurigene Oncology Limited
(11) AU-A-2024200257
(21) 2024200257 **(22)** 15.01.2024
(54) 1,2,4-oxadiazole and thiadiazole compounds as immunomodulators
(51) Int. Cl.
C07D 271/06 (2006.01)
A61K 31/00 (2006.01)
(43) 01.02.2024
(62) 2021204220
(72) Sasikumar, Pottayil Govindan Nair; Ramachandra, Muralidhara; Naremadepalli, Seetharamaiah Setty Sudarshan
(74) Adrian M Trioli Patent and Trade Mark Attorney
-
- (71)** B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2024200258
(21) 2024200258 **(22)** 15.01.2024
(54) Image encoding/decoding method and device
(51) Int. Cl.
H04N 19/597 (2014.01)
H04N 19/105 (2014.01)
H04N 19/119 (2014.01)
H04N 19/176 (2014.01)
H04N 19/186 (2014.01)
H04N 19/593 (2014.01)
(43) 01.02.2024
(62) 2019336046
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd
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- (71)** BAKER, S.
(11) AU-A-2023204596
(21) 2023204596 **(22)** 11.07.2023
(54) A SAFETY SYSTEM FOR A PEDESTRIAN CROSSING
(51) Int. Cl.
G08G 1/017 (2006.01)
G08G 1/04 (2006.01)
F21V 23/04 (2006.01)
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- (31)** 2022901935 **(32)** 12.07.22 **(33)** AU
(43) 01.02.2024
(72) BAKER, Steve
(74) ISR Legal
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- (71)** Becton, Dickinson and Company
(11) AU-A-2024200174
(21) 2024200174 **(22)** 11.01.2024
(54) Rack for sample tubes
(51) Int. Cl.
B01L 3/00 (2006.01)
B01L 9/00 (2006.01)
B01L 9/06 (2006.01)
G01N 35/00 (2006.01)
(43) 01.02.2024
(62) 2019398123
(72) LOHAN, Daniel, Justin; DAVIET, Alexandre; RAO, Rohini; LEITCH, Sharon; LENTZ, Ammon, David; LACHANCE, Stephen
(74) FB Rice Pty Ltd
-
- (71)** Beijing Tusen Zhitu Technology Co., Ltd.
(11) AU-A-2023204626
(21) 2023204626 **(22)** 12.07.2023
(54) Method, apparatus, electronic device and medium for target state estimation
(51) Int. Cl.
G06F 17/15 (2006.01)
G05D 1/00 (2024.01)
(31) 202210837658.2 **(32)** 15.07.22 **(33)** CN
(43) 01.02.2024
(72) YANG, Yunchen; LIU, Weijun; SUN, Jiaming; WANG, Naiyan
(74) FB Rice Pty Ltd
-
- (71)** Beijing Tusen Zhitu Technology Co., Ltd.
(11) AU-A-2023204634
(21) 2023204634 **(22)** 12.07.2023
(54) Method, apparatus, electronic device and medium for target state estimation
(51) Int. Cl.
G01C 21/10 (2006.01)
G05D 1/00 (2024.01)
(31) 202210837617.3 **(32)** 15.07.22 **(33)** CN
(43) 01.02.2024
(72) YANG, Yunchen; LIU, Weijun; SUN, Jiaming; WANG, Naiyan
(74) FB Rice Pty Ltd
-
- (71)** Bio-Gene Technology Limited
(11) AU-A-2024200229
(21) 2024200229 **(22)** 12.01.2024
(54) Control of Resistant Pests
(51) Int. Cl.
A01N 35/06 (2006.01)
A01P 7/02 (2006.01)
A01P 7/04 (2006.01)
(43) 01.02.2024
(62) 2021232738
(72) KLUPACS, ROBERT; MAY, PETER
(74) Griffith Hack

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- (71) BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH
(11) AU-A-2024200226
(21) 2024200226 (22) 12.01.2024
(54) INDIVIDUALIZED VACCINES FOR CANCER
(51) Int. Cl.
A61K 39/00 (2006.01)
(43) 01.02.2024
(62) 2020230292
(72) Sahin, Ugur; Paret, Claudia; Vormbrock, Kirsten; Bender, Christian; Diekmann, Jan
(74) PHILLIPS ORMONDE FITZPATRICK
-
- (71) Bloom Technology, Inc.
(11) AU-A-2024200171
(21) 2024200171 (22) 11.01.2024
(54) DAG-AWTC LEDGER SYSTEM USING BFT VERIFICATION CONSENSUS MECHANISM
(51) Int. Cl.
G06F 16/27 (2019.01)
G06F 11/14 (2006.01)
H04L 9/32 (2006.01)
H04L 67/10 (2022.01)
(43) 01.02.2024
(62) 2020319779
(72) JOO, Young Hyun
(74) AJ PARK
-
- (71) BrightSeed, Inc.; Sanford-Burnham Medical Research Institute
(11) AU-A-2024200300
(21) 2024200300 (22) 17.01.2024
(54) Method for improving digestive health
(51) Int. Cl.
A23L 33/00 (2016.01)
A23L 33/115 (2016.01)
A23L 33/135 (2016.01)
(43) 01.02.2024
(62) 2020323503
(72) CHAE, Lee; LEVINE, Fred
(74) Spruson & Ferguson
-
- (71) Brilliant Light Power, Inc.
(11) AU-A-2024200214
(21) 2024200214 (22) 12.01.2024
(54) Magnetohydrodynamic electric power generator
(51) Int. Cl.
C01B 3/00 (2006.01)
H02S 10/40 (2014.01)
(43) 01.02.2024
(62) 2018261199
(72) MILLS, Randall L.
(74) Spruson & Ferguson
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- (71) Bristol-Myers Squibb Company
(11) AU-A-2023270286
(21) 2023270286 (22) 23.11.2023
(54) INTERLEUKIN-2/INTERLEUKIN-2 RECEPTOR ALPHA FUSION PROTEINS AND METHODS OF USE
(51) Int. Cl.
C07K 14/55 (2006.01)
A61K 38/20 (2006.01)
C07K 14/715 (2006.01)
(43) 01.02.2024
(62) 2019244091
(72) Mary STRUTHERS; Jonathan Harry DAVIS; Michael Louis DOYLE; Priyanka Apurva MADIA
(74) AJ PARK
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- (71) Burzynski, S.
(11) AU-A-2024200203
(21) 2024200203 (22) 12.01.2024
(54) Methods for the treatment of recurrent glioblastoma (RGBM)
(51) Int. Cl.
A61K 31/00 (2006.01)
A61K 31/19 (2006.01)
A61K 31/20 (2006.01)
A61P 35/00 (2006.01)
(43) 01.02.2024
(62) 2018266375
(72) Burzynski, Stanislaw R.
(74) Dark IP
-
- (71) Canon Kabushiki Kaisha
(11) AU-A-2024200278
(21) 2024200278 (22) 16.01.2024
(54) Cartridge, and electrophotographic image forming apparatus which uses cartridge
(51) Int. Cl.
G03G 15/08 (2006.01)
G03G 21/18 (2006.01)
(43) 01.02.2024
(62) 2021229186
(72) MIYABE, Shigeo; UENO, Takahito; MORIOKA, Masanari
(74) Spruson & Ferguson
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- (71) Capital Confirmation Inc
(11) AU-A-2024200307
(21) 2024200307 (22) 17.01.2024
(54) SYSTEMS AND METHODS FOR OBTAINING ACCOUNTANT PREPARED FINANCIAL STATEMENT CONFIRMATION
(51) Int. Cl.
G06Q 40/02 (2023.01)
(43) 01.02.2024
(62) 2022201590
(72) FOX, Charles Brian
(74) AJ PARK
-
- (71) CareFusion 303, Inc.
(11) AU-A-2024200185
(21) 2024200185 (22) 11.01.2024
(54) Umbrella check valve
(51) Int. Cl.
A61M 5/14 (2006.01)
A61M 39/24 (2006.01)
(43) 01.02.2024
(62) 2018327342
(72) MASON, Eugene; MANSOUR, George
(74) FB Rice Pty Ltd
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- (71) Chen, C.H.
(11) AU-A-2024200210
(21) 2024200210 (22) 12.01.2024
(54) DEVICE AND SYSTEM FOR DETERMINING PROPERTY OF OBJECT
(51) Int. Cl.
G01S 15/02 (2006.01)
(43) 01.02.2024
(62) 2020410906
(72) CHEN, Chia Hung; SU, Chia Chi
(74) ALDRICH PROJECTS PTY LTD
-
- (71) Chuang-Kang Machinery Technology Co., Ltd.
(11) AU-A-2022224835
(21) 2022224835 (22) 02.09.2022
(54) Coffee Bean Grinder
(51) Int. Cl.
A47J 42/38 (2006.01)
A47J 42/00 (2006.01)
(31) 111126356 (32) 13.07.22 (33) TW
(43) 01.02.2024
(72) YEH, Hsiang-Chen
(74) A.P.T. Patent and Trade Mark Attorneys
-
- (71) Combinati Incorporated
(11) AU-A-2024200310
(21) 2024200310 (22) 17.01.2024
(54) Methods and systems for nucleic acid analysis and quantification
(51) Int. Cl.
B01L 3/00 (2006.01)
C12P 19/34 (2006.01)
C12Q 1/68 (2018.01)
(43) 01.02.2024
(62) 2021206903
(72) ZAYAC, Andrew; HUNG, Ju-Sung; KING, Howard Gregg; COX, David; DUECK, Megan
(74) FB Rice Pty Ltd
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- (71) CompoSecure, LLC
(11) AU-A-2024200195
(21) 2024200195 (22) 11.01.2024
(54) TRANSACTION CARDS WITH DISCONTINUOUS METAL STRATA
(51) Int. Cl.
B42D 25/305 (2014.01)
B42D 25/351 (2014.01)
B42D 25/36 (2014.01)
B42D 25/373 (2014.01)
G06K 19/02 (2006.01)
(43) 01.02.2024
(62) 2021283041
(72) LOWE, Adam; ESAU, John
(74) Houlihan Intellectual Property Pty Ltd
-
- (71) ConMed Corporation
(11) AU-A-2024200311
(21) 2024200311 (22) 17.01.2024
(54) Suture anchor construct and deployment device
(51) Int. Cl.
A61B 17/00 (2006.01)
A61B 17/04 (2006.01)

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(43) 01.02.2024
 (62) 2021254557
 (72) Alfonso, Gregory A.; Summitt, Matthew C.; Rofman, Robert A.
 (74) Griffith Hack

(71) ConocoPhillips Company
 (11) AU-A-2024200201
 (21) 2024200201 (22) 12.01.2024
 (54) ALTERNATIVE TWO COLUMN HRU DESIGN WITH RICH REFLUX
 (51) Int. Cl.
B01D 53/14 (2006.01)
C07C 7/11 (2006.01)
C10L 3/10 (2006.01)

(43) 01.02.2024
 (62) 2018240079
 (72) Embry, Dale L.; Davies, Paul R.; Ma, Qi; Larkin, David W.; Calderon, Michael J.
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Coplin, N.
 (11) AU-A-2023204602
 (21) 2023204602 (22) 12.07.2023
 (54) An Electronic Module that supports Screenless Coding via tangible electronic coding elements
 (51) Int. Cl.
G09B 19/00 (2006.01)
G06F 8/34 (2018.01)
H01R 12/58 (2011.01)
H01R 12/70 (2011.01)
H01R 13/627 (2006.01)
H01R 13/66 (2006.01)
H01R 13/717 (2006.01)
H01R 31/00 (2006.01)
 (31) 2022901951 (32) 13.07.22 (33) AU
 (43) 01.02.2024
 (72) Coplin, Nicholas; Coplin, Ellie; Coplin, Rory
 (74) Nicholas Coplin

(71) Crown Equipment Corporation
 (11) AU-A-2024200207
 (21) 2024200207 (22) 12.01.2024
 (54) MATERIALS HANDLING VEHICLE OPERATING SYSTEM COMPRISING REMEDIAL INDICATOR TAGS
 (51) Int. Cl.
B66F 9/00 (2006.01)
G05D 1/00 (2006.01)
G06K 7/00 (2006.01)
 (43) 01.02.2024
 (62) 2018374869
 (72) WALTON, Daniel Douglas; WILLIAMS, Aaron Louis
 (74) Griffith Hack

(71) DECORUM MEDICAL INNOVATIONS, LLC
 (11) AU-A-2024200021
 (21) 2024200021 (22) 02.01.2024
 (54) IRRIGATING CANNULA SYSTEM
 (51) Int. Cl.
A61M 1/00 (2006.01)
A61M 16/04 (2006.01)

A61M 25/00 (2006.01)
A61M 25/14 (2006.01)
 (43) 01.02.2024
 (62) 2021397325
 (72) HYDE, Blake J.
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Deere & Company
 (11) AU-A-2023203736
 (21) 2023203736 (22) 15.06.2023
 (54) Radar based cutting height system for a sugarcane harvester
 (51) Int. Cl.
A01D 45/10 (2006.01)
A01D 41/14 (2006.01)
 (31) 17/863,618 (32) 13.07.22 (33) US
 (43) 01.02.2024
 (72) Dighton, John A.
 (74) Davies Collison Cave Pty Ltd

(71) DEKA Products Limited Partnership
 (11) AU-A-2024200168
 (21) 2024200168 (22) 11.01.2024
 (54) SENSOR APPARATUS SYSTEMS, DEVICES AND METHODS
 (51) Int. Cl.
A61M 1/16 (2006.01)
 (43) 01.02.2024
 (62) 2021221875
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(71) DLT Group Pty Ltd
 (11) AU-A-2024200247
 (21) 2024200247 (22) 15.01.2024
 (54) Two Position Mount for a Snowboard Binding
 (51) Int. Cl.
A63C 10/20 (2012.01)
A63C 10/14 (2012.01)
A63C 5/12 (2006.01)
 (43) 01.02.2024
 (62) 2022241508
 (72) MCARTHUR, Jeremy; CRAIG, Phillip; MARQUIS, Hugh; CRAIG, Harrison
 (74) Arceo IP

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 (21) 2024200167 (22) 11.01.2024
 (54) Layered coding for compressed sound or sound field representations
 (51) Int. Cl.
G10L 19/008 (2013.01)
G10L 19/24 (2013.01)
 (43) 01.02.2024
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 (72) KORDON, Sven; KRUEGER, Alexander
 (74) Spruson & Ferguson

(71) Dolby International AB
 (11) AU-A-2024200328

(21) 2024200328 (22) 18.01.2024
 (54) Efficient combined harmonic transposition
 (51) Int. Cl.
G10L 21/02 (2013.01)
G10L 21/04 (2013.01)
 (43) 01.02.2024
 (62) 2022241544
 (72) Ekstrand, Per; Villemoes, Lars; Hedelin, Per
 (74) Chrysiliou IP

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 (21) 2024200242 (22) 15.01.2024
 (54) TOY WATER BALL
 (51) Int. Cl.
A63H 33/18 (2006.01)
 (43) 01.02.2024
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 (72) CHEN, Yunfeng
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 (21) 2024200227 (22) 12.01.2024
 (54) Early detection of hepatocellular carcinoma
 (51) Int. Cl.
C07K 16/06 (2006.01)
A61K 38/16 (2006.01)
G01N 33/53 (2006.01)
G01N 33/574 (2006.01)
G01N 33/68 (2006.01)
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 (74) Spruson & Ferguson

(71) Ecolab USA Inc.
 (11) AU-A-2024200266
 (21) 2024200266 (22) 16.01.2024
 (54) Acidic/anionic antimicrobial and virucidal compositions and uses thereof
 (51) Int. Cl.
A01N 37/36 (2006.01)
A01N 25/30 (2006.01)
A01N 41/04 (2006.01)
A01P 1/00 (2006.01)
A61K 8/02 (2006.01)
A61K 8/365 (2006.01)
A61K 8/46 (2006.01)
A61L 2/18 (2006.01)
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 (72) HANSON, Catherine; LI, Junzhong; MCSHERRY, David D.; FAWBUSH, Stacy; LAKE, Kaitlin; HINRICHS, Gerard; LUEDTKE, Joshua; STAUB, Richard; ANDERSON, Derrick; LO, Wendy; OLSON, Erik
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(71) Edwards Lifesciences Corporation
 (11) AU-A-2024200222

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 (54) Prosthetic valves with mechanically coupled leaflets
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A61F 2/24 (2006.01)
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 (51) Int. Cl.
H04B 7/26 (2006.01)
H04B 7/185 (2006.01)
H04L 1/16 (2023.01)
H04W 88/04 (2009.01)
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 (74) Davies Collison Cave Pty Ltd
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 (21) 2023203990 (22) 23.06.2023
 (54) CONTAINER GRINDING SYSTEM CONTAINING OR HAVING CONTAINED A PLANT PROTECTION PRODUCT
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B02C 23/00 (2006.01)
B02C 18/00 (2006.01)
 (31) 2207355 (32) 18.07.22 (33) FR
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 (72) CHAPRON, Fabien
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G06T 7/00 (2017.01)
G06T 7/11 (2017.01)
 (31) 63/388,374 (32) 12.07.22 (33) US
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 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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 (21) 2024200298 (22) 17.01.2024
 (54) COMPOSITIONS COMPRISING CIRCULAR POLYRIBONUCLEOTIDES AND USES THEREOF
 (51) Int. Cl.
C12P 21/00 (2006.01)
C07K 7/00 (2006.01)
C07K 7/06 (2006.01)
 (43) 01.02.2024
 (62) 2018385757
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 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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 (54) VARIABLE SPEED RECONFIGURABLE PUMP/TURBINE CLUSTERS
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G05D 7/06 (2006.01)
F04D 13/12 (2006.01)
F04D 15/00 (2006.01)
G05D 11/13 (2006.01)
 (31) 17/863,591 (32) 13.07.22 (33) US
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 (74) Patent Attorney Services
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 (54) Matrix metalloproteinase (MMP) inhibitors and methods of use thereof
 (51) Int. Cl.
C07D 405/14 (2006.01)
A61K 31/4166 (2006.01)
A61P 11/00 (2006.01)
C07D 407/14 (2006.01)
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 (21) 2022205261 (22) 15.07.2022
 (54) Device With Anti-Gravity And Suspension
 (51) Int. Cl.
A61H 1/02 (2006.01)
A61F 5/05 (2006.01)
A61H 1/00 (2006.01)
A61H 3/00 (2006.01)
A63B 21/00 (2006.01)
A63B 23/02 (2006.01)
A63B 21/068 (2006.01)
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 (54) Bounce Treadmill
 (51) Int. Cl.
A63B 22/02 (2006.01)
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 (54) Sanding Tool with Intermediate Adapter Pad
 (51) Int. Cl.
B24D 15/04 (2006.01)
B24B 23/02 (2006.01)
 (31) 63/389495 (32) 15.07.22 (33) US
 18/219415 07.07.23 US
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 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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 (54) TREATMENT FOR FIBROSIS
 (51) Int. Cl.
A61K 31/575 (2006.01)
A61K 47/54 (2017.01)
A61P 1/16 (2006.01)
 (43) 01.02.2024
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 (54) Synthesis of quinazoline compounds
 (51) Int. Cl.
C07D 401/04 (2006.01)
C07D 401/14 (2006.01)
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 (11) AU-A-2024200147
 (21) 2024200147 (22) 10.01.2024
 (54) Exatecan derivatives, linker-payloads, and conjugates and thereof
 (51) Int. Cl.
C07K 7/06 (2006.01)
A61K 31/165 (2006.01)
A61K 31/475 (2006.01)
A61K 31/537 (2006.01)
A61K 38/07 (2006.01)
A61K 45/00 (2006.01)
A61K 47/65 (2017.01)
A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
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C07D 491/22 (2006.01)
C07K 5/103 (2006.01)
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 (54) AIR TURBINE STARTER WITH LUBRICATION RECIRCULATION CIRCUIT
 (51) Int. Cl.
F02C 7/277 (2006.01)
F01D 25/18 (2006.01)
F02C 7/06 (2006.01)
F02C 7/32 (2006.01)
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 (11) AU-A-2024200261
 (21) 2024200261 (22) 15.01.2024
 (54) Anti-DR5 antibodies and methods of use thereof
 (51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
C07K 16/30 (2006.01)
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 (11) AU-A-2023285982
 (21) 2023285982 (22) 22.12.2023
 (54) An engineered two-part cellular device for discovery and characterisation of T-
- cell receptor interaction with cognate antigen
 (51) Int. Cl.
C07K 14/725 (2006.01)
C12N 5/0783 (2010.01)
C12N 5/0784 (2010.01)
C12N 15/63 (2006.01)
C12N 15/85 (2006.01)
 (43) 01.02.2024
 (62) 2017352661
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 (54) An engineered two-part cellular device for discovery and characterisation of T-cell receptor interaction with cognate antigen
 (51) Int. Cl.
C07K 14/725 (2006.01)
C12N 5/0783 (2010.01)
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C12N 15/63 (2006.01)
C12N 15/85 (2006.01)
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 (11) AU-A-2023200640
 (21) 2023200640 (22) 07.02.2023
 (54) Rugged Plug And Unplugging Method Thereof
 (51) Int. Cl.
H01R 13/62 (2006.01)
H01R 4/70 (2006.01)
H01R 13/44 (2006.01)
H01R 13/506 (2006.01)
H01R 24/20 (2011.01)
H01R 24/38 (2011.01)
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 (21) 2024200260 (22) 15.01.2024
 (54) GLP-1R modulating compounds
 (51) Int. Cl.
C07D 405/10 (2006.01)
A61K 31/4184 (2006.01)
A61K 31/4439 (2006.01)
A61P 1/16 (2006.01)
A61P 3/04 (2006.01)
A61P 3/10 (2006.01)
A61P 9/00 (2006.01)
A61P 13/12 (2006.01)
A61P 19/02 (2006.01)
A61P 25/16 (2006.01)
C07D 405/14 (2006.01)
C07D 409/14 (2006.01)
C07D 493/04 (2006.01)
C07D 498/04 (2006.01)
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- (71) Globaltech Corporation Pty Ltd
 (11) AU-A-2024200192
 (21) 2024200192 (22) 11.01.2024
 (54) DEPLOYMENT OF DOWNHOLE SENSING DEVICE(S)
 (51) Int. Cl.
E21B 47/00 (2012.01)
E21B 7/00 (2006.01)
E21B 21/08 (2006.01)
E21B 44/00 (2006.01)
E21B 49/00 (2006.01)
G01V 3/18 (2006.01)
 (43) 01.02.2024
 (62) 2021269365
 (72) Stewart, Gordon; Hill, Raymond
 (74) Griffith Hack
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 (54) Diamond clarity measurement process and system
 (51) Int. Cl.
G01N 21/87 (2006.01)
G01N 21/88 (2006.01)
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 (62) 2018393781
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 (21) 2024200224 (22) 12.01.2024
 (54) DETECTING AND HANDLING FAILURES IN AUTOMATED VOICE ASSISTANTS
 (51) Int. Cl.
G10L 15/22 (2006.01)
G06F 3/16 (2006.01)
G10L 15/08 (2006.01)
G10L 15/18 (2013.01)
G10L 15/30 (2013.01)
G10L 15/32 (2013.01)
G10L 17/00 (2013.01)
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 (72) CARBUNE, Victor; SHARIFI, Matthew
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2023204677
 (21) 2023204677 (22) 13.07.2023
 (54) PUMPED STORAGE POWER STATION IN WHICH UNDERGROUND CAVERN COOPERATE WITH SHIP LOCK
 (51) Int. Cl.
F03B 13/06 (2006.01)
E02B 7/20 (2006.01)
E02B 8/06 (2006.01)
E02B 9/04 (2006.01)
E02C 1/00 (2006.01)
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 (43) 01.02.2024
 (72) Huang, Zuhua; Zhou, Hangfeng; Ou, Ronglin; Huang, Guangling; Liang, Ronghui; Liao, Weigang; Wu, Kai
 (74) Ran Tao
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 (21) 2023204678 (22) 13.07.2023
 (54) TWO-STATION, THREE-RESERVOIR SHAFT PUMPED STORAGE POWER STATION
 (51) Int. Cl.
F03B 13/06 (2006.01)
E02B 9/00 (2006.01)
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 (54) WATER-JET GUIDED LASER PRECISION CUTTING HEAD
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B23K 26/146 (2014.01)
B23K 26/38 (2014.01)
B23K 26/70 (2014.01)
B23K 37/04 (2006.01)
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 (21) 2023274191 (22) 30.11.2023
 (54) Codon-Optimised Complement Factor I
 (51) Int. Cl.
C07K 14/47 (2006.01)
A61K 48/00 (2006.01)
C12N 9/64 (2006.01)
 (43) 01.02.2024
 (62) 2019411559
 (72) Josephine Heather Lucienne JOEL
 (74) WRAYS PTY LTD
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 (11) AU-A-2024200244
 (21) 2024200244 (22) 15.01.2024
 (54) Compositions and methods using subterranean treatment fluids comprising water-soluble polymers
 (51) Int. Cl.
C09K 8/035 (2006.01)
C09K 8/584 (2006.01)
C09K 8/60 (2006.01)
C09K 8/74 (2006.01)
C09K 8/86 (2006.01)
 (43) 01.02.2024
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 (21) 2024200312 (22) 17.01.2024
 (54) WASTEWATER AND EFFLUENT SEPARATION AND TREATMENT SYSTEMS
 (51) Int. Cl.
C02F 1/00 (2023.01)
C02F 1/40 (2023.01)
C02F 1/66 (2023.01)
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- (71) Heartland Consumer Products, LLC
 (11) AU-A-2024200178
 (21) 2024200178 (22) 11.01.2024
 (54) Cold Brew Coffee Beverage And Method Of Making The Same
 (51) Int. Cl.
A47J 31/02 (2006.01)
A47J 31/08 (2006.01)
A47J 31/44 (2006.01)
 (43) 01.02.2024
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 (11) AU-A-2023203981
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 (51) Int. Cl.
A43B 17/02 (2006.01)
 (31) 17/812,972 (32) 15.07.22 (33) US
 (43) 01.02.2024
 (72) PLESSAS, Dimitris; SUSKA, Jurai; ROJKO NISU, Maria
 (74) FPA Patent Attorneys Pty Ltd
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- (71) HONEYWELL INTERNATIONAL INC.
 (11) AU-A-2023204012
 (21) 2023204012 (22) 26.06.2023
 (54) APPARATUSES, COMPUTER-IMPLEMENTED METHODS, AND COMPUTER PROGRAM PRODUCTS FOR MONITORING AUDIO PROTECTOR FIT
 (51) Int. Cl.
A61F 11/14 (2006.01)
G06F 3/16 (2006.01)
H04R 1/10 (2006.01)
H04R 3/04 (2006.01)
H04R 3/12 (2006.01)
H04R 29/00 (2006.01)
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 (72) Macak, Jaromir; Bondu, Charles; Tekumalla, Sai Sreenivas; Kirsch, Marc; Tomas, Brhel; Kowolowski, Alexander
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Huaneng Dingbian New Energy Power Generation Co Ltd
 (11) AU-A-2022291654
 (21) 2022291654 (22) 28.12.2022
 (54) LVRT Control Method and Device for VSGS
 (51) Int. Cl.
H02J 3/40 (2006.01)
H02H 3/12 (2006.01)
H02H 7/06 (2006.01)
H02J 3/08 (2006.01)
H02J 3/16 (2006.01)
H02J 3/24 (2006.01)
H02M 1/42 (2007.01)
 (31) 202210395667.0 (32) 12.07.22 (33) CN
 (43) 01.02.2024
 (72) JIN, Jiangjiang; WANG, Zhenfu; WANG, Shiquan
 (74) A.P.T. Patent and Trade Mark Attorneys
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- (71) Immunolight, LLC
 (11) AU-A-2024200182
 (21) 2024200182 (22) 11.01.2024
 (54) Methods, devices, and compositions for measuring and inducing cell-to-cell communication, and therapeutic uses thereof
 (51) Int. Cl.
A61B 18/20 (2006.01)
A61B 18/14 (2006.01)
A61K 41/00 (2020.01)
A61N 5/06 (2006.01)

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 (11) AU-A-2024200234
 (21) 2024200234 (22) 12.01.2024
 (54) Abdominal Instrument And Method
 (51) Int. Cl.
 A61F 5/00 (2006.01)
 A61B 17/34 (2006.01)
 A61B 17/00 (2006.01)
 (43) 01.02.2024
 (62) 2021245239
 (72) Forsell, Peter
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 A23L 3/3418 (2006.01)
 A23L 3/32 (2006.01)
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 (43) 01.02.2024
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 (74) A.P.T. Patent and Trade Mark Attorneys

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 (54) Cloaking authority system
 (51) Int. Cl.
 H04L 29/06 (2006.01)
 (43) 01.02.2024
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(71) Invacare Corporation
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 A61G 5/06 (2006.01)
 A61G 5/10 (2006.01)
 A63C 17/00 (2006.01)
 B60B 15/26 (2006.01)
 B60B 33/04 (2006.01)
 (31) 63/388,799 (32) 13.07.22 (33) US

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(71) Ishida Co., Ltd.
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 (51) Int. Cl.
 B65H 19/12 (2006.01)
 B65B 41/12 (2006.01)
 B65H 19/18 (2006.01)
 (31) 2022-113758 (32) 15.07.22 (33) JP
 2023-092395 05.06.23 JP
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 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) FILM ROLL REPLACEMENT DEVICE, FILM ROLL SUPPLY METHOD, AND FILM ROLL REMOVAL METHOD
 (51) Int. Cl.
 B65H 19/30 (2006.01)
 B65B 9/00 (2006.01)
 B65B 11/00 (2006.01)
 B65B 41/16 (2006.01)
 B65H 19/12 (2006.01)
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 (54) EXERCISE DEVICES, SYSTEMS, AND METHODS
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 A63B 21/072 (2006.01)
 A63B 21/075 (2006.01)
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 (72) OWUSU, Stephen
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(71) Joy Global Underground Mining LLC
 (11) AU-A-2023204586
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 (51) Int. Cl.
 G05D 1/00 (2006.01)
 G05B 19/042 (2006.01)
 (31) 63/388,454 (32) 12.07.22 (33) US

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 (72) Cressman, Toby J.
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 A42B 3/04 (2006.01)
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 (54) Oblique lateral vertebral fusion cage
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 A61F 2/44 (2006.01)
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 C12N 7/00 (2006.01)
 C12N 15/09 (2006.01)
 C12P 19/34 (2006.01)
 C12Q 1/68 (2018.01)
 G16B 30/00 (2019.01)
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H04N 19/61 (2014.01)
H04N 19/11 (2014.01)
H04N 19/132 (2014.01)
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H04N 19/82 (2014.01)
H04N 19/117 (2014.01)
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H02J 3/32 (2006.01)
B60L 53/30 (2019.01)
B60L 53/50 (2019.01)
H02J 3/06 (2006.01)
H02J 3/38 (2006.01)
H02J 7/02 (2016.01)
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(54) Systems and methods for intra-operative pelvic registration
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A61B 5/107 (2006.01)
A61B 6/03 (2006.01)
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(54) METHOD FOR MODELING HUMERAL ANATOMY AND OPTIMIZATION OF COMPONENT DESIGN
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A61F 2/00 (2006.01)
A61F 2/28 (2006.01)
A61F 2/30 (2006.01)
A61F 2/36 (2006.01)
A61F 2/38 (2006.01)
A61F 2/40 (2006.01)
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G01N 33/18 (2006.01)
G01J 1/42 (2006.01)
G06T 7/40 (2017.01)
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A61K 35/17 (2015.01)
A61K 39/00 (2006.01)
A61P 35/02 (2006.01)
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C12Q 1/26 (2006.01)
A61K 35/74 (2015.01)
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G01N 21/64 (2006.01)
G01N 21/00 (2006.01)
G01N 21/63 (2006.01)
G01N 21/66 (2006.01)
G01N 35/00 (2006.01)
H01L 27/00 (2006.01)
H01L 27/148 (2006.01)
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G06T 17/00 (2006.01)

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G01C 11/04 (2006.01)
G01C 11/36 (2006.01)
G06N 5/022 (2023.01)
G06T 7/60 (2017.01)
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(54) AN IMPROVED METAL DETECTOR
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G01V 3/10 (2006.01)
H03K 9/08 (2006.01)
H02J 50/10 (2016.01)

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E04B 1/80 (2006.01)
E04B 1/14 (2006.01)
E04B 2/02 (2006.01)
E04C 2/284 (2006.01)
E04C 2/52 (2006.01)
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E04H 4/16 (2006.01)
E04H 4/12 (2006.01)

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(54) Method and apparatus for security realization of connections over heterogeneous access networks
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H04W 60/00 (2009.01)
H04W 12/00 (2021.01)
H04W 12/06 (2021.01)
H04W 48/02 (2009.01)

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H01M 8/02 (2016.01)
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B65G 1/04 (2006.01)
B65G 1/137 (2006.01)
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H02S 20/20 (2014.01)
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B21F 27/06 (2006.01)
E04C 5/04 (2006.01)
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(71) Omega Ophthalmics LLC
(11) AU-A-2024200281
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(54) Prosthetic capsular devices, systems, and methods
(51) Int. Cl.
A61F 2/16 (2006.01)
A61F 9/007 (2006.01)
A61L 27/14 (2006.01)

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(54) POSITIONER STRUCTURE CAPABLE OF LABOR-
SAVING INSTALLATION
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F16M 11/04 (2006.01)
F16B 2/12 (2006.01)
F16B 21/09 (2006.01)
F16M 13/02 (2006.01)
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(51) Int. Cl.
F21V 21/14 (2006.01)
A47C 7/72 (2006.01)
A61L 2/10 (2006.01)
F21V 21/08 (2006.01)
F21V 23/00 (2015.01)
F21V 33/00 (2006.01)
H05K 5/02 (2006.01)

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(51) Int. Cl.
G06Q 30/00 (2023.01)
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(62) 2020417722
(72) BELCHER, Berry; JAYABALAKRISHNAN, Ragunath; SANISETTY, Vamsikrishna
(74) FPA Patent Attorneys Pty Ltd

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(21) 2023204689 **(22)** 14.07.2023
(54) Foundation support systems, assemblies and methods including sleeve coupler and shafts with torque transmitting profiled distal end edges
(51) Int. Cl.

E02D 27/12 (2006.01)
E02D 5/24 (2006.01)
E02D 5/56 (2006.01)
E02D 27/48 (2006.01)
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 (51) Int. Cl.
C05F 11/08 (2006.01)
C07K 14/195 (2006.01)
C12N 1/20 (2006.01)
C12N 9/12 (2006.01)
C12N 15/10 (2006.01)
C12N 15/52 (2006.01)
C12N 15/67 (2006.01)
C12N 15/74 (2006.01)
C12Q 1/02 (2006.01)
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B63B 21/32 (2006.01)
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A61K 31/353 (2006.01)
A61P 35/00 (2006.01)
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B61L 27/04 (2006.01)
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B61L 25/02 (2006.01)
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G09B 5/00 (2006.01)
G09B 7/00 (2006.01)
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B60P 3/34 (2006.01)
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B62D 63/06 (2006.01)
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B29C 64/245 (2017.01)
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 (54) Systems for Horizontal Additive Manufacturing and Methods Thereof
 (51) Int. Cl.
B23K 37/04 (2006.01)
B23K 9/04 (2006.01)
B23K 9/32 (2006.01)
B23K 10/02 (2006.01)
B23K 26/342 (2014.01)
B23K 26/70 (2014.01)
B23K 37/02 (2006.01)
B23K 37/053 (2006.01)
B33Y 30/00 (2015.01)
B23K 101/06 (2006.01)
B23K 101/12 (2006.01)
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 (74) Monks IP
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 (54) Verification system for a pharmacy packaging system
 (51) Int. Cl.
G06V 10/143 (2022.01)
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A61P 37/00 (2006.01)
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F41C 33/02 (2006.01)
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 (54) Oxysterols and methods of use thereof
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A61K 31/566 (2006.01)
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 (72) SALITURO, Francesco G.;
 ROBICHAUD, Albert Jean; MARTINEZ
 BOTELLA, Gabriel; HARRISON, Boyd
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 (72) SALITURO, Francesco G.;
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C12N 9/18 (2006.01)
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C07K 1/00 (2006.01)
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 Saagar
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 Edward; Tamur UI Haq, Mian; Torben-
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 VECCHIS, Marco E.
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 turing spray nozzles using the water
 stop technique
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C07C 233/73 (2006.01)
A61K 31/164 (2006.01)
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A62C 35/62 (2006.01)
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A62C 37/08 (2006.01)
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 (72) ZHAO, Guanghui
 (74) Allens Patent & Trade Mark Attorneys

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 (74) WRAYS PTY LTD

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H01L 27/02 (2006.01)
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H01L 31/042 (2014.01)
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 (72) Jin, Jingsheng; Zhang, Bo; Zhang, Bike; Liao, Guangming; Zhang, Lin'an; Zhang, Xinyu
 (74) Madders Pty Ltd

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WANG, Sikai
(74) Baxter Patent Attorneys Pty Ltd
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(51) Int. Cl.
B63B 32/80 (2020.01)
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(72) Zimmerman, Lior; Lavion, Amit
(74) A.P.T. Patent and Trade Mark Attorneys

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2022205263	Stanley, A.	2023285984	Genovie AB
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2022206703	OXTI Pte Ltd	2024200021	DECORUM MEDICAL INNOVATIONS, LLC
2022206705	OXTI Pte Ltd	2024200071	Amicus Therapeutics, Inc.
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2022215300	Zhejiang Orient Gene Biotech Co., Ltd	2024200114	Refined Sands Pty Ltd
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2022341084	INSTITUTE OF AGRO-PRODUCTS PROCESSING SCIENCE AND TECHNOLOGY, SICHUAN ACADEMY OF AGRICULTURAL SCIENCES	2024200168	DEKA Products Limited Partnership
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2023204018	Modex Wanhua Global Pty Ltd	2024200202	SDB IP Holdings, LLC
2023204221	Flowserve Pte Ltd.	2024200203	Burzynski, S.
2023204399	Spraying Systems do Brasil LTDA	2024200206	Officine Maccaferri S.p.A.
2023204400	Toshiba Energy Systems & Solutions Corporation	2024200207	Crown Equipment Corporation
2023204416	Liebherr-Electronics and Drives GmbH	2024200208	Snap-on Incorporated
2023204578	Safariland, LLC	2024200209	Scarab Genomics, LLC
2023204579	The Raymond Corporation	2024200210	Chen, C.H.
2023204582	Move Cubes PTY LTD	2024200211	PayPal, Inc.
2023204585	Full Circle International, Inc.; Annis, K.	2024200214	Brilliant Light Power, Inc.
2023204586	Joy Global Underground Mining LLC	2024200215	MAKO Surgical Corp.
2023204592	Minelab Electronics Pty. Limited	2024200216	LG Electronics Inc.
2023204596	BAKER, S.	2024200218	Strata Products Worldwide, LLC
2023204600	Watters, A.; Mackay, J.	2024200220	Genentech, Inc.; F. HOFFMANN-LA ROCHE AG
2023204602	Coplin, N.	2024200221	Wix.com Ltd.
2023204610	Maytronics Ltd	2024200222	Edwards Lifesciences Corporation
2023204626	Beijing Tusen Zhitu Technology Co., Ltd.	2024200224	Google LLC
2023204634	Beijing Tusen Zhitu Technology Co., Ltd.	2024200225	NUVERA FUEL CELLS, LLC
2023204677	Guangxi Chuankun New Energy Technology Co., Ltd.; Hainan Jialiqing New Energy Co., Ltd.	2024200226	BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH
2023204678	Guangxi Chuankun New Energy Technology Co., Ltd.; Hainan Jialiqing New Energy Co., Ltd.	2024200227	Drexel University
2023204687	Ishida Co., Ltd.	2024200228	Memorial Sloan-Kettering Cancer Center
2023204688	Ishida Co., Ltd.	2024200229	Bio-Gene Technology Limited
2023204689	Pier Tech Systems LLC	2024200234	Implantica Patent Ltd
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2023204707	Relativity Space, Inc.	2024200242	Dongguan Saienchuangke Technology Co., Ltd
2023204708	Relativity Space, Inc.	2024200244	Halliburton Energy Services, Inc.
2023204710	Preda, D.	2024200246	THE CHAMBERLAIN GROUP LLC
2023206106	Scamarcia, D.	2024200247	DLT Group Pty Ltd
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2023266339	Alnylam Pharmaceuticals, Inc.	2024200249	Allergan Industrie, SAS
2023270286	Bristol-Myers Squibb Company	2024200250	Goldway Technology Limited
2023274083	Akouos, Inc.	2024200251	SCHLAGE LOCK COMPANY LLC
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		2024200256	TRIGO VISION LTD.
		2024200257	Aurigene Oncology Limited
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(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

(71) Chowz Pty Ltd
 (11) AU-A-2023100105
 (21) 2023100105 (22) 22.12.2023
 (54) IMPROVED WICKET COMPONENTS
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 (51) Int. Cl.
 A63B 69/00 (2006.01)
 A63B 67/00 (2006.01)
 A63B 71/06 (2006.01)
 A63B 102/20 (2015.01)
 (45) 01.02.2024
 (62) 2020267272
 (72) Eckermann, Bronte Paul; Schultz, Nicholas Luke; Combeau, Boris
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(71) Cixi Shuangwei Road Facilities Co., Ltd.
 (11) AU-A-2023100104
 (21) 2023100104 (22) 21.12.2023
 (54) LIGHT-EMITTING TRAFFIC CONE
 (51) Int. Cl.
 E01F 9/615 (2016.01)
 E01F 9/654 (2016.01)
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 F21S 9/03 (2006.01)
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<p>(71) "INNOVA GOOD" SPOLKA Z OGRAN- ICZONA ODPOWIEDZIALNOSCIA (11) AU-A-2022297698 (21) 2022297698 (22) 22.06.2022 (54) GLOVE DISPENSING APPARATUS (51) Int. Cl. A61B 42/40 (2016.01) A61B 42/50 (2016.01) A47G 25/90 (2006.01) (87) WO2022/268860 (31) P.438238 (32) 23.06.21 (33) PL 22151292.4 13.01.22 EP (43) 29.12.2022 (72) BARTOS, Jaroslaw (74) Acacia Law</p>	<p>(54) SORLA MINI-RECEPTOR FOR TREATMENT OF ALZHEIMER'S DIS- EASE (51) Int. Cl. C07K 14/705 (2006.01) A61P 25/28 (2006.01) (87) WO2023/275350 (31) 21183382.7 (32) 02.07.21 (33) EP (43) 05.01.2023 (72) ANDERSEN, Olav Michael; GISSEL JENSEN, Anne Mette (74) FB Rice Pty Ltd</p>	<p>22382114.1 11.02.22 EP (43) 05.01.2023 (72) DE LECEA, Carlos; CUÑÉ CASTEL- LANA, Jordi; TINTORÉ GAZULLA, Maria (74) Davies Collison Cave Pty Ltd</p>
<p>(71) 12232821 CANADA INC. (11) AU-A-2022292386 (21) 2022292386 (22) 16.06.2022 (54) SYSTEM, KIT AND PROCESS FOR DIAGNOSIS AND TREATMENT OF OBSTRUCTIVE SLEEP APNEA USING ORAL APPLIANCE THERAPY (51) Int. Cl. A61B 5/00 (2006.01) A61C 7/36 (2006.01) (87) WO2022/261773 (31) 63/211,161 (32) 16.06.21 (33) US (43) 22.12.2022 (72) KARACEPER, Caner; KARACEPER, Cem; NAIDU, Prakash Crj; DZAFIC, Anida (74) Prakash CRJ Naidu</p>	<p>(71) AB MAURI (UK) LTD (11) AU-A-2022302361 (21) 2022302361 (22) 30.06.2022 (54) PHYSIOLOGICALLY ACCEPTABLE YEAST COMPOSITIONS AND USES THEREOF (51) Int. Cl. A23L 33/14 (2016.01) A23L 33/16 (2016.01) (87) WO2023/275293 (31) 21382576.3 (32) 30.06.21 (33) EP 22382114.1 11.02.22 EP (43) 05.01.2023 (72) DE LECEA, Carlos; CUÑÉ CASTEL- LANA, Jordi; TINTORÉ GAZULLA, Maria (74) Davies Collison Cave Pty Ltd</p>	<p>(71) ADAMA MAKHTESHIM LTD. (11) AU-A-2022309145 (21) 2022309145 (22) 08.07.2022 (54) FUNGICIDAL USE (51) Int. Cl. A01N 47/04 (2006.01) A01P 3/00 (2006.01) (87) WO2023/281467 (31) 63/219,703 (32) 08.07.21 (33) US (43) 12.01.2023 (72) CERNUSCHI, Matteo (74) Davies Collison Cave Pty Ltd</p>
<p>(71) 2SEVENTY BIO, INC. (11) AU-A-2022310862 (21) 2022310862 (22) 14.07.2022 (54) ENGINEERED T CELL RECEPTORS FUSED TO BINDING DOMAINS FROM ANTIBODIES (51) Int. Cl. C07K 14/725 (2006.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 5/0783 (2010.01) (87) WO2023/288267 (31) 63/221,819 (32) 14.07.21 (33) US (43) 19.01.2023 (72) JARJOUR, Jordan (74) Davies Collison Cave Pty Ltd</p>	<p>(71) AB MAURI (UK) LTD (11) AU-A-2022303105 (21) 2022303105 (22) 30.06.2022 (54) PHYSIOLOGICALLY ACCEPTABLE YEAST COMPOSITIONS FOR USE IN THE TREATMENT OF A GASTRO-IN- TESTINAL DISORDER (51) Int. Cl. A23L 33/14 (2016.01) A23L 33/16 (2016.01) (87) WO2023/275323 (31) 21382576.3 (32) 30.06.21 (33) EP 22382114.1 11.02.22 EP (43) 05.01.2023 (72) DE LECEA, Carlos; CUÑÉ CASTEL- LANA, Jordi; TINTORÉ GAZULLA, Maria (74) Davies Collison Cave Pty Ltd</p>	<p>(71) AGCO CORPORATION (11) AU-A-2022341594 (21) 2022341594 (22) 27.07.2022 (54) CROP SPRAYERS, LIQUID DISTRIBU- TION SYSTEMS FOR CROP SPRAY- ERS, AND RELATED METHODS (51) Int. Cl. A01M 7/00 (2006.01) (87) WO2023/037176 (31) 63/261,036 (32) 09.09.21 (33) US (43) 16.03.2023 (72) SNYDER, Todd Brandon; ANDERSON, Joseph Paul; SLAWSON, James Mc- Grath (74) Griffith Hack</p>
<p>(71) AARHUS UNIVERSITET (11) AU-A-2022305119 (21) 2022305119 (22) 01.07.2022</p>	<p>(71) AB MAURI (UK) LTD (11) AU-A-2022303106 (21) 2022303106 (22) 30.06.2022 (54) PHYSIOLOGICALLY ACCEPTABLE YEAST COMPOSITIONS AND USES THEREOF (51) Int. Cl. A23L 33/14 (2016.01) A23L 33/16 (2016.01) (87) WO2023/275325 (31) 21382576.3 (32) 30.06.21 (33) EP</p>	<p>(71) AGORA INTELLIGENCE, INC. (11) AU-A-2022305267 (21) 2022305267 (22) 05.07.2022 (54) METHOD, APPARATUS, AND COM- PUTER READABLE MEDIUM FOR DY- NAMICALLY MODELING A CURRENT PRICE OF AN INVOICE ISSUED BY A SELLER BASED ON REAL-TIME MONITORING OF TRANSACTION DATA ON A COMPUTER NETWORK (51) Int. Cl. G06Q 30/04 (2012.01) G06Q 40/02 (2023.01) G06N 7/00 (2023.01) (87) WO2023/278896 (31) 63/218,189 (32) 02.07.21 (33) US (43) 05.01.2023 (72) HOPKINS, Kevin (74) Spruson & Ferguson</p>
		<p>(71) AIR PRODUCTS AND CHEMICALS, INC. (11) AU-A-2021450831 (21) 2021450831 (22) 18.06.2021</p>

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- (54) RECOVERY OF A RENEWABLE HYDROGEN PRODUCT FROM AN AMMONIA CRACKING PROCESS
- (51) Int. Cl.
C01B 3/04 (2006.01)
B01D 53/047 (2006.01)
B01D 53/22 (2006.01)
B01D 53/94 (2006.01)
C01B 3/56 (2006.01)
C01C 1/12 (2006.01)
F25B 1/10 (2006.01)
- (87) WO2022/265647
(43) 22.12.2022
(72) WHITE, Vincent; WEIST, Edward, Landis, Jr.; SHAW, Andrew; SALOWAY, Simon, Craig
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(21) 2021450886 (22) 18.06.2021
(54) AMMONIA CRACKING FOR GREEN HYDROGEN
(51) Int. Cl.
C01B 3/04 (2006.01)
B01D 53/047 (2006.01)
C01B 3/56 (2006.01)
C01C 1/12 (2006.01)
- (87) WO2022/265649
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(72) WHITE, Vincent; SHAW, Andrew; SALOWAY, Simon Craig
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(54) AMMONIA CRACKING FOR GREEN HYDROGEN
(51) Int. Cl.
B01D 53/047 (2006.01)
B01D 53/26 (2006.01)
C01B 3/04 (2006.01)
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C01B 3/04 (2006.01)
B01D 53/047 (2006.01)
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C01B 3/04 (2006.01)
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C01B 3/56 (2006.01)
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(72) SHAW, Andrew; SALOWAY, Simon, Craig; WHITE, Vincent
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(54) METHOD FOR SECRETORY PRODUCTION OF UNNATURAL-AMINO-ACID-CONTAINING PROTEIN
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C12P 21/08 (2006.01)
C12P 21/02 (2006.01)
C07K 14/31 (2006.01)
C07K 16/00 (2006.01)
C07K 19/00 (2006.01)
C12N 1/21 (2006.01)
C12N 15/10 (2006.01)
C12N 15/11 (2006.01)
C12N 15/31 (2006.01)
C12N 15/52 (2006.01)
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C12N 15/77 (2006.01)
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(51) Int. Cl.
A61F 9/008 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK
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(54) MULTIFOCAL OPHTHALMIC LENS WITH EXTENDED DEPTH-OF-FOCUS
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A61F 2/16 (2006.01)
G02C 7/04 (2006.01)
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(54) LASER SOURCE FOR AN OPHTHALMIC SURGICAL SYSTEM
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H01S 3/23 (2006.01)
H01S 3/00 (2006.01)
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H01S 3/067 (2006.01)
H01S 3/0941 (2006.01)
H01S 3/101 (2006.01)
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(72) KITTELMANN, Olaf
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- (71) ALEBUND PHARMACEUTICALS (HONG KONG) LIMITED
(11) AU-A-2022327461
(21) 2022327461 (22) 09.08.2022
(54) DEUTERATED COMPOUNDS
(51) Int. Cl.
C07D 263/22 (2006.01)
A61K 31/421 (2006.01)
A61K 31/422 (2006.01)
A61P 3/00 (2006.01)
A61P 3/10 (2006.01)
A61P 9/00 (2006.01)
C07D 413/12 (2006.01)
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(72) SHU, Chutian; TIAN, Jin
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- (71) ALGORITHMIQ OY
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(54) METHOD FOR ESTIMATING A VALUE OF AN OBSERVABLE QUANTITY OF A STATE OF A QUANTUM MANY-BODY SYSTEM AND APPARATUS FOR CARRYING OUT SAID METHOD
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G06N 10/60 (2022.01)
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(54) CARRIER DEVICE FOR SECURING AN ACCESSORY TO A VEHICLE
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B60R 9/10 (2006.01)
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(72) POLSTER, Hannah; HANNA, Marcus; KELSALL, Tyler; FIEGENER, John; ALLEN, Alexander
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) ALLEXCEL INC.
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(54) SELF-ASSEMBLING AMPHIPHILIC POLYMERS AS ANTI-COVID-19 AGENTS
(51) Int. Cl.
A61K 47/00 (2006.01)
A61K 47/56 (2017.01)
C08G 63/02 (2006.01)
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(74) WRAYS PTY LTD
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- (71) ALNYLAM PHARMACEUTICALS, INC.
(11) AU-A-2022323090
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(54) TRANSTHYRETIN (TTR) IRNA COMPOSITIONS AND METHODS OF USE THEREOF
(51) Int. Cl.
C12N 15/113 (2010.01)
A61K 31/713 (2006.01)
A61K 47/61 (2017.01)
C07H 21/02 (2006.01)
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(72) SCHLEGEL, Mark, K.; CASTORENO, Adam; MCININCH, James, D.
(74) Griffith Hack
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- (71) ALOIS DATA GMBH
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(54) REACTION VESSEL
(51) Int. Cl.
B01L 3/00 (2006.01)
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- B01F 25/52** (2022.01)
B01F 27/272 (2022.01)
B01F 33/453 (2022.01)
B01F 35/21 (2022.01)
G01N 33/68 (2006.01)
G16B 20/00 (2019.01)
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(72) LÜHRS, Thorsten
(74) Spruson & Ferguson
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- (71) AMPSOURCE BIOPHARMA SHANGHAI INC.
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(54) ANTI-CD3 ANTIBODY AND USE THEREOF
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
A61P 37/06 (2006.01)
C07K 19/00 (2006.01)
C12N 15/13 (2006.01)
C12N 15/63 (2006.01)
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(72) WU, Cui; GAO, Yongjuan; ZHOU, Li; DIAO, Jiasheng; MA, Xinlu; DONG, Zhao; LI, Qiang
(74) GLMR
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- (71) ANDRITZ OY
(11) AU-A-2022303280
(21) 2022303280 (22) 17.06.2022
(54) SEALING ARRANGEMENT
(51) Int. Cl.
F16J 15/3268 (2016.01)
B01D 46/10 (2006.01)
B60L 1/00 (2006.01)
F16J 15/3296 (2016.01)
F16J 15/46 (2006.01)
G01M 3/32 (2006.01)
G06Q 10/00 (2023.01)
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(72) HAMMARBERG, Tommi; HIRVAS-NIEMI, Sonja
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- (71) ANDROMEDA IP PTY LTD
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(54) HALLOYSITE-KAOLIN DERIVATISED NANOPOROUS CARBON MATERIALS AND PREPARATION AND USES THEREOF
(51) Int. Cl.
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B01J 20/20 (2006.01)
B01J 20/28 (2006.01)
B01J 20/30 (2006.01)
C01B 32/312 (2017.01)
C01B 32/318 (2017.01)
C01B 32/378 (2017.01)
H01M 4/133 (2010.01)
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- H01M 4/1393** (2010.01)
H01M 10/052 (2010.01)
H01M 10/054 (2010.01)
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(72) VINU, Ajayan; RAMADASS, Kavitha
(74) Madderns Pty Ltd
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- (71) ANDROS PHARMACEUTICALS CO., LTD.
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(21) 2021463815 (22) 09.09.2021
(54) TOPICAL ANESTHETIC AGENT-CLAY COMPOSITE COMPOSITIONS
(51) Int. Cl.
A61K 31/167 (2006.01)
A61K 9/06 (2006.01)
A61K 31/166 (2006.01)
A61K 31/245 (2006.01)
A61K 47/04 (2006.01)
A61P 23/00 (2006.01)
(87) WO2023/035173
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(74) ALDRICH PROJECTS PTY LTD
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- (71) ANGLO AMERICAN MINÉRIO DE FERRO BRASIL S/A
(11) AU-A-2022299643
(21) 2022299643 (22) 21.06.2022
(54) METHOD OF AND SYSTEM FOR OPERATING A VERTICAL GRINDING MILL
(51) Int. Cl.
B02C 2/04 (2006.01)
B02C 4/32 (2006.01)
G01N 3/56 (2006.01)
(87) WO2022/269485
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(72) MENEZES, Kellson Takenaka; ARRUDA, Mario Cesar Castro; LINO, Marlon Fábio Marques; ROSSI, Mauro Alberto Castheloge; COUTINHO, Ricardo Oliveira
(74) FB Rice Pty Ltd
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- (71) ANTECIP BIOVENTURES II LLC
(11) AU-A-2022316152
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(54) TREATMENT OF DEPRESSION
(51) Int. Cl.
A61K 31/137 (2006.01)
A61K 9/00 (2006.01)
A61K 9/24 (2006.01)
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A61P 25/24 (2006.01)
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(72) TABUTEAU, Herriot
(74) RnB IP
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- (71) ANTI ORDINARY PTY LTD
(11) AU-A-2021297261

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 (51) Int. Cl.
 A42B 3/32 (2006.01)
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 A42B 3/10 (2006.01)
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 (72) JOSEPH, Robert; ROBINSON, Brodie
 (74) Davies Collison Cave Pty Ltd
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- (71) APOLLO MEDICAL OPTICS, LTD.
 (11) AU-A-2022323229
 (21) 2022323229 (22) 02.08.2022
 (54) METHODS OF PROCESSING OPTICAL IMAGES AND APPLICATIONS THEREOF
 (51) Int. Cl.
 G06T 7/136 (2017.01)
 G06T 7/11 (2017.01)
 A61B 5/00 (2006.01)
 (87) WO2023/014749
 (31) 63/228,580 (32) 02.08.21 (33) US
 (43) 09.02.2023
 (72) CHEN, I-Ling; LU, Chih-Wei
 (74) Spruson & Ferguson
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- (71) ARBUTUS BIOPHARMA CORPORATION
 (11) AU-A-2022313576
 (21) 2022313576 (22) 15.07.2022
 (54) SYNTHESIS OF SUBSTITUTED TRICYCLIC AMIDES AND ANALOGUES THEREOF
 (51) Int. Cl.
 C07D 491/052 (2006.01)
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 (72) MASON, Jeremy; PALLERLA, Mahesh; PAMULAPATI, Ganapati Reddy
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 F17C 13/04 (2006.01)
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- (71) ARJIL BIOTECH HOLDING COMPANY LIMITED
 (11) AU-A-2022301429
 (21) 2022301429 (22) 01.07.2022
 (54) USE OF TERPENOIDS IN THE TREATMENT OR PREVENTION OF FIBROTIC DISEASES
 (51) Int. Cl.
 A61P 1/16 (2006.01)
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- A61K 8/97 (2017.01)
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 (72) WU, Yeh-B; LO, Jir-Mehng; LIANG, Hui-Ju; LIN, Pei-Hsin
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (21) 2022299162 (22) 21.06.2022
 (54) DATA AGGREGATION FOR COMMUNICATIONS NETWORK OPTIMIZATION
 (51) Int. Cl.
 H04L 41/0816 (2022.01)
 H04L 43/022 (2022.01)
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- (71) ARRIS ENTERPRISES LLC
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 (51) Int. Cl.
 H04W 72/12 (2023.01)
 H04W 84/18 (2009.01)
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 (72) RAMAN, Dinesh; BALACHANDRAN, Bibin
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 B01D 53/04 (2006.01)
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 F04B 39/16 (2006.01)
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 G01S 7/52 (2006.01)
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 G01S 15/87 (2006.01)
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 A61K 31/4439 (2006.01)
 A61K 31/444 (2006.01)
 A61K 31/496 (2006.01)
 A61K 31/506 (2006.01)
 A61P 25/00 (2006.01)
 C07D 401/12 (2006.01)
 C07D 405/14 (2006.01)
 C07D 471/04 (2006.01)
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 A61M 25/02 (2006.01)
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 A61J 15/00 (2006.01)
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 A01N 25/12 (2006.01)
 A01N 25/28 (2006.01)
 A01N 25/34 (2006.01)
 A01N 59/00 (2006.01)

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 C08J 3/075 (2006.01)
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 C12N 9/12 (2006.01)
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 G01J 3/46 (2006.01)
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 C25C 1/02 (2006.01)
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 C08G 65/26 (2006.01)
 C08G 18/09 (2006.01)
 C08G 18/16 (2006.01)
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 C08G 18/22 (2006.01)
 C08G 18/40 (2006.01)
 C08G 18/42 (2006.01)
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 C22B 7/00 (2006.01)
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 C22B 26/12 (2006.01)
 C25B 1/34 (2006.01)
 H01M 10/54 (2006.01)
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G01N 15/14 (2006.01)
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H04N 19/70 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/174 (2014.01)
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H04N 19/70 (2014.01)
H04N 19/132 (2014.01)
H04N 19/184 (2014.01)
H04N 19/423 (2014.01)
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(54) METHOD AND DEVICE FOR EVALUATING SERVICE LIFE OF PITCH BEARING OF WIND TURBINE
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G06F 17/18 (2006.01)
F03D 15/00 (2016.01)
G06F 17/00 (2019.01)
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F03D 7/02 (2006.01)
H02J 3/32 (2006.01)
H02J 3/38 (2006.01)
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(54) DUST BOX, AUTOMATIC CLEANING DEVICE, AND DUST COLLECTION DOCK
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A47L 11/24 (2006.01)
A47L 11/40 (2006.01)
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A47L 11/24 (2006.01)
A47L 11/40 (2006.01)
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E03C 1/266 (2006.01)
E03F 3/02 (2006.01)
E04F 17/10 (2006.01)
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(51) Int. Cl.
A61K 31/4985 (2006.01)
A61P 35/00 (2006.01)
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C07D 295/24 (2006.01)
C02F 9/00 (2023.01)
D01F 13/02 (2006.01)
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A01N 59/16 (2006.01)
C05G 3/60 (2020.01)
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G06T 7/11 (2017.01)
G01C 21/00 (2006.01)
G06F 1/16 (2006.01)
G06T 7/593 (2017.01)
G06T 7/70 (2017.01)
G06T 11/00 (2006.01)
G06T 17/05 (2011.01)
G06V 10/764 (2022.01)
G06V 20/10 (2022.01)
G06V 20/64 (2022.01)
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C07D 403/14 (2006.01)
A61K 31/437 (2006.01)
A61P 35/00 (2006.01)
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A61K 9/70 (2006.01)
A61F 13/02 (2006.01)
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A61M 16/10 (2006.01)
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A61N 1/44 (2006.01)
H01T 23/00 (2006.01)
H05H 1/24 (2006.01)
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A23B 5/015 (2006.01)
A23J 1/08 (2006.01)
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(54) PHOTOACOUSTIC SPECTROMETER FOR REAL-TIME DUST MONITORING
(51) Int. Cl.
G01N 21/17 (2006.01)
G01N 29/24 (2006.01)
H01S 3/00 (2006.01)
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(54) AORTIC PROSTHESIS WITH TUNNEL GRAFT AND EMBOLIC FILTER
(51) Int. Cl.
A61F 2/01 (2006.01)
A61F 2/07 (2013.01)
A61F 2/856 (2013.01)
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(74) Davies Collison Cave Pty Ltd
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(51) Int. Cl.

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A61P 35/00 (2006.01)
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 Matilde
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(54) URINARY CATHETERS AND METH-
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(51) Int. Cl.
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A61L 29/08 (2006.01)
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(54) DEGRADER COMPOUNDS AND
 USES THEREOF
(51) Int. Cl.
C07D 417/14 (2006.01)
A61K 31/444 (2006.01)
A61K 31/454 (2006.01)
A61K 31/496 (2006.01)
A61K 31/4995 (2006.01)
A61P 1/16 (2006.01)
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C07D 471/04 (2006.01)
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 IN A PRODUCT PRESENTATION
 DEVICE
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B65G 1/137 (2006.01)
G06Q 10/00 (2023.01)
A47F 10/02 (2006.01)
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F16K 15/00 (2006.01)
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A61M 39/12 (2006.01)
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A61B 5/15 (2006.01)
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A61M 25/00 (2006.01)
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G01N 33/542 (2006.01)
C12Q 1/25 (2006.01)
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B60P 1/16 (2006.01)
F15B 11/044 (2006.01)
F15B 21/08 (2006.01)
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(74) Patent Attorney Services
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 COMPOSITIONS COMPRISING SAME
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C12N 9/12 (2006.01)
A61K 38/00 (2006.01)
A61P 35/00 (2006.01)
C07K 7/06 (2006.01)
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 BESADA PÉREZ, Vladimir, Armando;
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 GONZÁLEZ BLANCO, Sonia
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A61K 36/899 (2006.01)
A23D 9/00 (2006.01)
A61P 25/00 (2006.01)
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G01V 99/00 (2009.01)
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A61N 1/00 (2006.01)
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C07K 14/165 (2006.01)
C12N 15/86 (2006.01)
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F25J 3/02 (2006.01)
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 (54) EXTERNAL ANTI-INFLAMMATORY COUPLING COMPOUND DRUG, AND PREPARATION METHOD THEREFOR AND USE THEREOF
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C07D 487/02 (2006.01)
A61K 31/407 (2006.01)
A61P 29/00 (2006.01)
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B65H 1/08 (2006.01)
B65H 3/06 (2006.01)
G07D 11/14 (2019.01)
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G06Q 20/00 (2012.01)
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 (51) Int. Cl.
G01N 33/483 (2006.01)
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 (54) PROCESS TO PRODUCE POLYHYDROXYALKANOATES FROM SEAWEED
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A01G 33/00 (2006.01)
A01H 4/00 (2006.01)
C11B 1/10 (2006.01)
C12N 1/22 (2006.01)
C12P 7/625 (2022.01)
C12R 1/01 (2006.01)
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 (54) DEVICE AND METHOD FOR THE AMELIORATION OF ECTATIC AND IRREGULAR CORNEAL DISORDERS
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A61B 3/107 (2006.01)
A61F 9/007 (2006.01)
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A61K 9/08 (2006.01)
A61K 9/107 (2006.01)
A61K 31/00 (2006.01)
A61M 11/00 (2006.01)
A61P 25/00 (2006.01)
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 (54) COMPOSITIONS AND METHODS FOR IMPROVING TREATMENT OF CANCER
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G01N 33/50 (2006.01)
C12N 5/077 (2010.01)
C12N 5/078 (2010.01)
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 (54) METHODS FOR TREATING HYPERTROPHIC CARDIOMYOPATHY
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A61K 31/4245 (2006.01)
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A61K 31/4402 (2006.01)
A61K 45/06 (2006.01)
A61P 9/00 (2006.01)
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 (54) IL-2/IL-15RBETAGAMMA AGONIST COMBINATION WITH ANTI-BODY-DRUG CONJUGATES FOR TREATING CANCER
 (51) Int. Cl.
A61K 38/20 (2006.01)
A61K 31/5365 (2006.01)
A61K 45/06 (2006.01)
A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
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 (72) KYRYCH SADILKOVA, Lenka; MOEBIUS, Ulrich; BÉCHARD, David; ADKINS, Irena
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 (54) HETEROATOM-DOPED NANODIAMOND PARTICLES AND METHOD FOR PRODUCING HETEROATOM-DOPED NANODIAMOND PARTICLES
 (51) Int. Cl.
C01B 32/28 (2017.01)
B82Y 20/00 (2011.01)
B82Y 30/00 (2011.01)
B82Y 40/00 (2011.01)
C01B 32/26 (2017.01)
C09K 11/08 (2006.01)
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 (74) Griffith Hack
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 (21) 2022325137 (22) 01.08.2022
 (54) CYANOPYRIDINE AND CYANOPYRIMIDINE BCL6 DEGRADERS
 (51) Int. Cl.
C07C 255/49 (2006.01)
A61K 31/33 (2006.01)
C07C 255/50 (2006.01)
C07D 213/02 (2006.01)
A61K 31/41 (2006.01)
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 (74) Spruson & Ferguson
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 (21) 2022409572 (22) 14.12.2022
 (54) CASSETTE FOR ELECTROLYZER WITH OUTLET BLOCKADE WITH DRAIN
 (51) Int. Cl.
C25B 9/21 (2021.01)
C25B 1/04 (2021.01)
C25B 9/67 (2021.01)
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C25B 15/08 (2006.01)
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- (71) DANFOSS A/S
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 (21) 2022409578 (22) 14.12.2022
 (54) CASSETTE FOR ELECTROLYZER WITH CONTACT COLUMNS
 (51) Int. Cl.
C25B 9/21 (2021.01)
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C25B 15/08 (2006.01)
 (87) WO2023/111054
 (31) PA202170630 (32) 17.12.21 (33) DK
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 (72) NIELSEN, Helge
 (74) Spruson & Ferguson
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 (21) 2022409575 (22) 14.12.2022
 (54) COOLING CELLS FOR CASSETTE FOR ELECTROLYZER
 (51) Int. Cl.
C25B 1/04 (2021.01)
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C25B 9/77 (2021.01)
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 (21) 2022409578 (22) 14.12.2022
 (54) CASSETTE FOR ELECTROLYZER OF A FOUR PLATE CONSTRUCTION
 (51) Int. Cl.
C25B 1/04 (2021.01)
C25B 9/67 (2021.01)
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C25B 15/08 (2006.01)

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- (71) DANFOSS A/S
 (11) AU-A-2022410316
 (21) 2022410316 (22) 14.12.2022
 (54) CASSETTE FOR ELECTROLYZER
 WITH GAS BARRIER
 (51) Int. Cl.
 C25B 9/67 (2021.01)
 C25B 1/04 (2021.01)
 C25B 9/75 (2021.01)
 C25B 9/77 (2021.01)
 C25B 15/08 (2006.01)
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- (71) DANFOSS A/S
 (11) AU-A-2022416796
 (21) 2022416796 (22) 14.12.2022
 (54) CASSETTE FOR ELECTROLYZER
 WITH POROUS ELECTROLYTE
 PLATE
 (51) Int. Cl.
 C25B 9/21 (2021.01)
 C25B 1/04 (2021.01)
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 G16B 40/20 (2019.01)
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 (74) Griffith Hack
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 (54) PHARMACEUTICAL COMPOSITION INCLUDING ADENOSINE DERIVATIVE FOR PREVENTING OR TREATING CHOLANGITIS OR CHOLANGITIS-INDUCED LIVER DISEASE
 (51) Int. Cl.
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 (74) FB Rice Pty Ltd
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- (71) GAN & LEE PHARMACEUTICALS CO., LTD.
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 (54) ACYLATED INSULIN-CONTAINING PHARMACEUTICAL COMPOSITION
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 (54) METHODS OF TREATING TAU PATHOLOGIES
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A61K 33/00 (2006.01)
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A61K 45/06 (2006.01)
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H02J 7/00 (2006.01)

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G01V 1/22 (2006.01)
E21B 47/12 (2012.01)
G01H 9/00 (2006.01)
G01V 1/50 (2006.01)
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A61P 35/00 (2006.01)
C12N 5/0783 (2010.01)
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G06Q 10/0833 (2023.01)
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B60L 53/16 (2019.01)
H04W 4/80 (2018.01)
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B42D 25/324 (2014.01)
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C25B 1/04 (2021.01)
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A61M 5/168 (2006.01)
A61M 5/172 (2006.01)
G16H 20/17 (2018.01)
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C07C 67/03 (2006.01)
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C08J 11/24 (2006.01)
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(54) HYDROCONVERSION OF A HYDROCARBON-BASED HEAVY FEEDSTOCK IN A HYBRID EBULLATED-ENTRAINED BED, COMPRISING MIXING SAID FEEDSTOCK WITH A CATALYST PRECURSOR CONTAINING AN ORGANIC ADDITIVE
(51) Int. Cl.
C10G 29/22 (2006.01)
C10G 47/26 (2006.01)
C10G 67/02 (2006.01)
(87) WO2023/280626
(31) FR2107377 (32) 08.07.21 (33) FR
(43) 12.01.2023
(72) MARQUES, Joao; CORRE, Thibaut; BARBIER, Jeremie; SILVERMAN, Brett Matthew; MOUNTAINLAND, David M.; PARASHER, Sukesh
(74) Griffith Hack
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- (71) IFP ENERGIES NOUVELLES
(11) AU-A-2022308105
(21) 2022308105 (22) 27.06.2022
(54) HYDROCONVERSION OF A HYDROCARBON-BASED HEAVY FEEDSTOCK IN A HYBRID EBULLATED-ENTRAINED BED, COMPRISING

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(51) Int. Cl.
C10G 29/22 (2006.01)
C10G 47/26 (2006.01)
C10G 67/02 (2006.01)
(87) WO2023/280624
(31) FR2107375 **(32)** 08.07.21 **(33)** FR
(43) 12.01.2023
(72) MARQUES, Joao; CORRE, Thibaut; BARBIER, Jeremie; SILVERMAN, Brett Matthew; MOUNTAINLAND, David M.; PARASHER, Sukesh
(74) Griffith Hack
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(11) AU-A-2022315305
(21) 2022315305 **(22)** 25.07.2022
(54) STING AGONIST COMBINATION TREATMENTS WITH CYTOKINES
(51) Int. Cl.
A61K 31/7084 (2006.01)
A61K 38/00 (2006.01)
A61K 39/395 (2006.01)
A61K 45/06 (2006.01)
A61P 35/00 (2006.01)
(87) WO2023/004440
(31) 63/203,481 **(32)** 23.07.21 **(33)** US
(43) 26.01.2023
(72) CHEN, Zhijian; SUN, Lijun; WU, Youtong; TAN, Huiling
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** IMMUNICOM, INC.
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(21) 2022291929 **(22)** 17.06.2022
(54) MODIFIED TNF AS A CAPTURE LIGAND
(51) Int. Cl.
A61M 1/36 (2006.01)
B01J 20/32 (2006.01)
C07K 1/22 (2006.01)
C07K 14/525 (2006.01)
C07K 14/705 (2006.01)
(87) WO2022/266507
(31) 63/211,709 **(32)** 17.06.21 **(33)** US
(43) 22.12.2022
(72) MATHO, Michael; JOSEPHS, Steven F.; MARLEAU, Annette
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2022324711
(21) 2022324711 **(22)** 05.08.2022
(54) A MODIFIED HLA-B57 WITH INCREASED EXPRESSION LEVELS
(51) Int. Cl.
A61K 38/17 (2006.01)
A61P 35/00 (2006.01)
C07K 14/74 (2006.01)
C07K 16/28 (2006.01)
(87) WO2023/012348
(31) 21190004.8 **(32)** 05.08.21 **(33)** EP
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(74) SR Intellectual Property
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(54) COMPOSITION COMPRISING CANNABIDIOL AND HYDROXY-CHLOROQUINE IN A FIXED DOSE COMBINATION CAPSULE
(51) Int. Cl.
A61P 29/00 (2006.01)
A61K 9/00 (2006.01)
A61K 9/48 (2006.01)
A61K 31/05 (2006.01)
A61K 31/4706 (2006.01)
A61K 36/185 (2006.01)
A61K 47/10 (2017.01)
A61K 47/44 (2017.01)
(87) WO2023/283684
(31) 2021902170 **(32)** 15.07.21 **(33)** AU
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(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2022328657
(21) 2022328657 **(22)** 09.08.2022
(54) POTASSIUM HYDROGEN SALTS OF ALKYLHYDROXAMATES AND COMPOSITIONS COMPRISING THE SAME
(51) Int. Cl.
A61K 31/16 (2006.01)
A61K 8/18 (2006.01)
A61K 31/045 (2006.01)
A61Q 17/00 (2006.01)
(87) WO2023/022899
(31) 63/235,495 **(32)** 20.08.21 **(33)** US
(43) 23.02.2023
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(74) Spruson & Ferguson
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- (71)** INOVIO PHARMACEUTICALS, INC.
(11) AU-A-2022305237
(21) 2022305237 **(22)** 30.06.2022
(54) SIDE-PORT INJECTION DEVICES FOR USE WITH ELECTROPORATION, AND RELATED SYSTEMS AND METHODS
(51) Int. Cl.
A61M 5/32 (2006.01)
A61B 18/14 (2006.01)
A61B 18/00 (2006.01)
A61N 1/32 (2006.01)
(87) WO2023/278796
(31) 63/217,069 **(32)** 30.06.21 **(33)** US
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(74) FB Rice Pty Ltd
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(54) COLD PLASMA STERILIZATION AND CONTROLLED ATMOSPHERE STORAGE AND PRESERVATION METHOD FOR KIWI FRUIT
(51) Int. Cl.
A23L 3/3418 (2006.01)
A23L 3/32 (2006.01)
(31) 202210825638.3 **(32)** 14.07.22 **(33)** CN
(43) 01.02.2024
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(74) A.P.T. Patent and Trade Mark Attorneys
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- (71)** INTELLIGENT AGRICULTURAL SOLUTIONS, LLC
(11) AU-A-2022314275
(21) 2022314275 **(22)** 20.05.2022
(54) SPRAY FLOW SENSING WITH OPTICAL SIGNATURE ANALYSIS
(51) Int. Cl.
G01F 1/06 (2006.01)
A01M 7/00 (2006.01)
G01F 1/05 (2006.01)
G01F 1/10 (2006.01)
(87) WO2023/002263
(31) 63/224,200 **(32)** 21.07.21 **(33)** US
(43) 26.01.2023
(72) MAURER, Garrett; JEE, Justin; BJERTNESS, Dan; EICKHOFF, Ross
(74) Griffith Hack
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- (71)** INTELLIGENT AGRICULTURAL SOLUTIONS, LLC
(11) AU-A-2022315599
(21) 2022315599 **(22)** 20.05.2022
(54) SPRAY FLOW SENSING WITH MAGNETIC CARRIER
(51) Int. Cl.
G01F 1/05 (2006.01)
A01M 7/00 (2006.01)
G01F 1/115 (2006.01)
(87) WO2023/002264
(31) 63/224,206 **(32)** 21.07.21 **(33)** US
(43) 26.01.2023
(72) MAURER, Garrett; JEE, Justin; BJERTNESS, Dan; EICKHOFF, Ross
(74) Griffith Hack
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- (71)** INTELLIGENT AGRICULTURAL SOLUTIONS LLC
(11) AU-A-2022313563
(21) 2022313563 **(22)** 24.06.2022
(54) SPRAY MONITORING SYSTEMS, DEVICES, AND METHODS
(51) Int. Cl.
A01M 7/00 (2006.01)
(87) WO2023/002273
(31) 63/224,127 **(32)** 21.07.21 **(33)** US

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 (11) AU-A-2022318869
 (21) 2022318869 (22) 26.07.2022
 (54) BIODEGRADABLE MICROCAPSULES
 (51) Int. Cl.
B01J 13/18 (2006.01)
B01J 13/20 (2006.01)
C11D 3/50 (2006.01)
 (87) WO2023/009514
 (31) 21187930.9 (32) 27.07.21 (33) EP
 (43) 02.02.2023
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 (74) Oxygene IP
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- (71) INTERVET INTERNATIONAL B.V.
 (11) AU-A-2022323465
 (21) 2022323465 (22) 05.08.2022
 (54) METHOD OF TREATING VETERINARY VIRAL DISEASES
 (51) Int. Cl.
A61K 31/7068 (2006.01)
A61K 9/00 (2006.01)
A61P 31/12 (2006.01)
 (87) WO2023/012329
 (31) 21190172.3 (32) 06.08.21 (33) EP
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 (43) 09.02.2023
 (72) MURRAY, Edward; WARRASS, Ralf; ULLRICH, Joachim; NAGARAJ, Basav, Hangalapura; HUISMAN, Willem
 (74) Spruson & Ferguson
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- (71) INVENTIO AG
 (11) AU-A-2022314134
 (21) 2022314134 (22) 04.07.2022
 (54) HANDRAIL FOR AN ESCALATOR OR A MOVING WALKWAY
 (51) Int. Cl.
B66B 23/24 (2006.01)
 (87) WO2023/001537
 (31) 21186482.2 (32) 19.07.21 (33) EP
 (43) 26.01.2023
 (72) BOROS, Csaba; WAGENLEITNER, Georg
 (74) Griffith Hack
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- (71) IONIC ALLIANCE HOLDINGS, LLC
 (11) AU-A-2022291691
 (21) 2022291691 (22) 23.05.2022
 (54) SYNTHETIC CELLULAR MEMBRANE CHEMICAL IONOPHORE DELIVERY SYSTEM COMPRISING HEXA-AQUA LIGAND COMPOSITIONS
 (51) Int. Cl.
A61K 31/555 (2006.01)
A61K 47/24 (2006.01)
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 (31) 17/349,880 (32) 16.06.21 (33) US
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 (43) 22.12.2022
 (72) RUDE, Kevin, Walton; KRYSIAK, Michael, Kenneth; PETERSEN, Jasen, Eric
 (74) Baxter Patent Attorneys Pty Ltd
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- (71) IONQ, INC.
 (11) AU-A-2022334249
 (21) 2022334249 (22) 10.06.2022
 (54) DUAL-SPACE, SINGLE-SPECIES ARCHITECTURE FOR TRAPPED-ION QUANTUM INFORMATION PROCESSING
 (51) Int. Cl.
G02F 1/11 (2006.01)
G06N 10/40 (2022.01)
H01S 3/094 (2006.01)
 (87) WO2023/027795
 (31) 63/222,765 (32) 16.07.21 (33) US
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 (43) 02.03.2023
 (72) SAGE, Jeremy Matthew; GOLDMAN, Michael Lurie; EGAN, Laird Nicholas
 (74) Madderns Pty Ltd
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- (71) ITRON, INC.
 (11) AU-A-2022325804
 (21) 2022325804 (22) 12.08.2022
 (54) DETERMINING NETWORK RELIABILITY USING MESSAGE SUCCESS RATES
 (51) Int. Cl.
H04W 40/32 (2009.01)
H04L 41/12 (2022.01)
H04W 84/18 (2009.01)
H04L 45/02 (2022.01)
 (87) WO2023/018977
 (31) 17/402,231 (32) 13.08.21 (33) US
 (43) 16.02.2023
 (72) UHLING, Thomas F.; BARNES, Keith Wayne
 (74) Spruson & Ferguson
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- (71) ITRON, INC.
 (11) AU-A-2022327115
 (21) 2022327115 (22) 12.08.2022
 (54) DETERMINING NETWORK RELIABILITY USING MESSAGE SUCCESS RATES
 (51) Int. Cl.
H04W 40/12 (2009.01)
H04L 43/0888 (2022.01)
H04L 43/067 (2022.01)
H04L 43/16 (2022.01)
 (87) WO2023/018973
 (31) 17/402,221 (32) 13.08.21 (33) US
 (43) 16.02.2023
 (72) UHLING, Thomas F.; BARNES, Keith Wayne
 (74) Spruson & Ferguson
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- (71) ITRON, INC.
 (11) AU-A-2022327116
 (21) 2022327116 (22) 12.08.2022
- (54) DETERMINING NETWORK RELIABILITY USING MESSAGE SUCCESS RATES
 (51) Int. Cl.
H04W 40/12 (2009.01)
H04W 88/04 (2009.01)
 (87) WO2023/018978
 (31) 17/402,245 (32) 13.08.21 (33) US
 (43) 16.02.2023
 (72) UHLING, Thomas F.; BARNES, Keith Wayne
 (74) Spruson & Ferguson
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- (71) ITRON, INC.
 (11) AU-A-2022328285
 (21) 2022328285 (22) 12.08.2022
 (54) DETERMINING NETWORK RELIABILITY USING MESSAGE SUCCESS RATES
 (51) Int. Cl.
H04W 40/12 (2009.01)
H04L 43/0888 (2022.01)
 (87) WO2023/018969
 (31) 17/402,211 (32) 13.08.21 (33) US
 (43) 16.02.2023
 (72) UHLING, Thomas F.; BARNES, Keith Wayne
 (74) Spruson & Ferguson
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- (71) JANSSEN PHARMACEUTICA NV
 (11) AU-A-2022292697
 (21) 2022292697 (22) 16.06.2022
 (54) (R)-N-ETHYL-5-FLUORO-N-ISOPROPYL-2-((5-(2-(6-((2-METHOXYETHYL)(METHYL)AMINO)-2-METHYLHEXAN-3-YL)-2,6-DIAZASPIRO[3.4]OCTAN-6-YL)-1,2,4-TRIAZIN-6-YL)OXY)BENZAMIDE BESYLATE SALT FOR THE TREATMENT OF DISEASES SUCH AS CANCER
 (51) Int. Cl.
C07D 487/04 (2006.01)
A61K 31/53 (2006.01)
A61P 35/00 (2006.01)
C07C 1/00 (2006.01)
C07D 487/10 (2006.01)
 (87) WO2022/262796
 (31) PCT/ (32) 17.06.21 (33) CN
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 (43) 22.12.2022
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 (74) Spruson & Ferguson
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- (71) JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD
 (11) AU-A-2022301422
 (21) 2022301422 (22) 28.06.2022

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- (51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
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- (31) 202110722124.0 (32) 28.06.21 (33) CN
- (43) 05.01.2023
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- (74) FB Rice Pty Ltd
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- (11) AU-A-2022314036
- (21) 2022314036 (22) 21.07.2022
- (54) PHARMACEUTICAL COMPOSITION OF ANTI-ANGPTL3 ANTIBODY OR ANTIGEN BINDING FRAGMENT THEREOF AND ITS APPLICATION
- (51) Int. Cl.
C07K 16/22 (2006.01)
A61K 39/395 (2006.01)
- (87) WO2023/001228
- (31) 202110822526.8 (32) 21.07.21 (33) CN
- (43) 26.01.2023
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- (74) Davies Collison Cave Pty Ltd
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- (21) 2022296798 (22) 23.06.2022
- (54) G- QUADRUPLEX- CONTAINING OLIGONUCLEOTIDES FOR PREVENTIVE AND THERAPEUTIC TREATMENT
- (51) Int. Cl.
C12N 15/113 (2010.01)
A61K 31/7125 (2006.01)
C12N 15/115 (2010.01)
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- (31) 21181596.4 (32) 24.06.21 (33) EP
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- (21) 2022314733 (22) 18.07.2022
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- (51) Int. Cl.
H05B 47/175 (2020.01)
G08B 29/20 (2006.01)
H05B 47/13 (2020.01)
- (87) WO2023/004277
- (31) 63/223,440 (32) 19.07.21 (33) US
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C12N 7/01 (2006.01)
A61K 48/00 (2006.01)
A61P 35/00 (2006.01)
C12N 7/04 (2006.01)
- (87) WO2023/284635
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- (71) JUVENA THERAPEUTICS, INC.
- (11) AU-A-2022298470
- (21) 2022298470 (22) 10.06.2022
- (54) REGENERATIVE POLYPEPTIDES AND USES THEREOF
- (51) Int. Cl.
C07K 14/435 (2006.01)
C07K 14/65 (2006.01)
C07K 19/00 (2006.01)
C12N 15/12 (2006.01)
A61K 38/30 (2006.01)
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- (31) 63/259,088 (32) 21.06.21 (33) US
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- (21) 2022303647 (22) 08.02.2022
- (54) EMERGENCY RELEASE MECHANISM OF FLUID CARGO HANDLING APPARATUS
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F16L 37/36 (2006.01)
B67D 9/00 (2010.01)
F16K 1/44 (2006.01)
F16K 31/122 (2006.01)
F16L 23/02 (2006.01)
F16L 43/02 (2006.01)
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- (74) LAMINAR IP PTY LTD
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- (11) AU-A-2021458928
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E04G 21/12 (2006.01)
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- (74) GLMR
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- (21) 2022297808 (22) 27.04.2022
- (54) SWIMMING STARTING BLOCK FRONT FOOT SUPPORT
- (51) Int. Cl.
A63B 69/12 (2006.01)
A63B 5/10 (2006.01)
A63K 3/02 (2006.01)
E04H 4/14 (2006.01)
- (87) WO2022/269374
- (31) 63/202,718 (32) 22.06.21 (33) US
- 17/708,537 30.03.22 US
- (43) 29.12.2022
- (72) KERESZY, Tamas
- (74) James & Wells Intellectual Property
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- (71) KEVIN MURPHY GROUP PTY. LTD.
- (11) AU-A-2022306136
- (21) 2022306136 (22) 06.07.2022
- (54) COMPOSITIONS AND METHODS FOR IMPROVING THE PHYSICAL PROPERTIES OF HEALTHY AND DAMAGED HAIR
- (51) Int. Cl.
A61K 8/37 (2006.01)
A61K 8/81 (2006.01)
A61Q 5/00 (2006.01)
- (87) WO2023/281310
- (31) 63/219,560 (32) 08.07.21 (33) US
- (43) 12.01.2023
- (72) SCHOON, Douglas, Dean; NORDSTROM, James; WALLACE, Easley; SLAFF, Howard
- (74) Griffith Hack
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- (71) K-FEE SYSTEM GMBH
- (11) AU-A-2022314212
- (21) 2022314212 (22) 20.07.2022
- (54) BEVERAGE PREPARATION DEVICE
- (51) Int. Cl.
A47J 31/36 (2006.01)
A47J 31/44 (2006.01)
- (87) WO2023/001918
- (31) 10 2021 207 768.4 (32) 20.07.21 (33) DE
- (43) 26.01.2023
- (72) KRÜGER, Marc; EMPL, Günter
- (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Kim, S.M.
- (11) AU-A-2022235508
- (21) 2022235508 (22) 04.08.2022
- (54) Opening and closing system for window
- (51) Int. Cl.
E05D 15/06 (2006.01)

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(74) LAMINAR IP PTY LTD

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(11) AU-A-2022294688
(21) 2022294688 (22) 13.06.2022
(54) PACKAGING ENVELOPE INSERTION-TYPE PAPER BUFFER SAFETY MEMBER
(51) Int. Cl.
B65D 27/00 (2006.01)
B65D 27/02 (2006.01)
B65D 81/03 (2006.01)
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(72) KIM, Beom Jin
(74) WRAYS PTY LTD

(71) KIMBERLY-CLARK WORLDWIDE, INC.
(11) AU-A-2021452988
(21) 2021452988 (22) 21.06.2021
(54) DISPENSING DEVICE WITH IMPROVED MOTOR ASSEMBLY
(51) Int. Cl.
A47K 5/12 (2006.01)
(87) WO2022/271142
(43) 29.12.2022
(72) TRAMONTINA, Paul F.; OSBORNE, Jr., Charles Agnew
(74) Spruson & Ferguson

(71) KIMBERLY-CLARK WORLDWIDE, INC.
(11) AU-A-2022299328
(21) 2022299328 (22) 27.06.2022
(54) PROCESS AND SYSTEM FOR RE-ORIENTING FIBERS IN A FOAM FORMING PROCESS
(51) Int. Cl.
D21H 27/00 (2006.01)
(87) WO2022/272159
(31) 63/215,128 (32) 25.06.21 (33) US
63/215,494 27.06.21 US
(43) 29.12.2022
(72) WALLACE, Peter; BAKER, Joseph, K.; COLMAN, Charles
(74) Spruson & Ferguson

(71) KINTSUGI THERAPEUTICS S.L.
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(21) 2022305120 (22) 01.07.2022
(54) CASPASE-2 INHIBITOR COMPOUNDS
(51) Int. Cl.
C07K 7/06 (2006.01)
A61K 38/08 (2019.01)
(87) WO2023/275357
(31) 21382587.0 (32) 01.07.21 (33) EP
(43) 05.01.2023
(72) HERRERO MOLINA, Maria del Carmen; CUSACHS FARRARÓ, Marc; DRAG, Marcin; POREBA, Marcin;

ÁVILA ZARAGOZÁ, Matías; GARCÍA FERNÁNDEZ-BARRENA, Maite
(74) Spruson & Ferguson

(71) KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY
(11) AU-A-2022312332
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(54) NOVEL PYRIMIDINE-2,4-DIAMINE DERIVATIVES, PREPARATION METHOD THEREFOR, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME AS ACTIVE INGREDIENT FOR PREVENTION OR TREATMENT OF CANCER
(51) Int. Cl.
C07D 401/14 (2006.01)
A61K 31/506 (2006.01)
A61P 35/00 (2006.01)
C07D 401/12 (2006.01)
(87) WO2023/287130
(31) 10-2021-0091308 (32) 13.07.21 (33) KR
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(43) 19.01.2023
(72) LEE, Kwangho; DUGGIRALA, Krishna Babu; CHOI, Gildon; LEE, Yujin; CHAE, Chong Hak; JUNG, Myoung Eun; CHO, Byoung Chul
(74) PHILLIPS ORMONDE FITZPATRICK

(71) KORTEK CORPORATION
(11) AU-A-2022308277
(21) 2022308277 (22) 01.07.2022
(54) DISPLAY DEVICE
(51) Int. Cl.
G02F 1/1345 (2006.01)
G02F 1/1333 (2006.01)
G09F 9/30 (2006.01)
(87) WO2023/282547
(31) 10-2021-0089810 (32) 08.07.21 (33) KR
(43) 12.01.2023
(72) PARK, Young Il; HWANGBO, Woo; PARK, Ji Woong; BAE, Kyoung Un
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) KYOOBE TECH GMBH
(11) AU-A-2022314179
(21) 2022314179 (22) 18.07.2022
(54) PRODUCTION SYSTEM AND METHOD FOR PRODUCING A PRODUCT
(51) Int. Cl.
C12M 1/12 (2006.01)
B65B 3/00 (2006.01)
B65B 55/16 (2006.01)
B65G 1/00 (2006.01)
F24F 3/167 (2021.01)
G05B 19/18 (2006.01)
H01L 21/677 (2006.01)
(87) WO2023/001753
(31) 10 2021 207 737.4 (32) 20.07.21 (33) DE
(43) 26.01.2023
(72) BOTT, Mario; SCHOBBER, Lena; WELLER, David
(74) Davies Collison Cave Pty Ltd

(71) KYOOBE TECH GMBH
(11) AU-A-2022315504
(21) 2022315504 (22) 18.07.2022
(54) PRODUCTION SYSTEM AND PROCESS FOR PRODUCING A PRODUCT
(51) Int. Cl.
C12M 1/12 (2006.01)
B65B 3/00 (2006.01)
B65B 55/16 (2006.01)
B65G 1/00 (2006.01)
F24F 3/167 (2021.01)
G05B 19/18 (2006.01)
H01L 21/677 (2006.01)
(87) WO2023/001764
(31) 10 2021 207 743.9 (32) 20.07.21 (33) DE
(43) 26.01.2023
(72) BOTT, Mario; SCHOBBER, Lena; WELLER, David
(74) Davies Collison Cave Pty Ltd

(71) KYOOBE TECH GMBH
(11) AU-A-2022316336
(21) 2022316336 (22) 18.07.2022
(54) PRODUCTION SYSTEM AND PROCESS FOR PRODUCING A PRODUCT
(51) Int. Cl.
C12M 1/12 (2006.01)
B65B 3/00 (2006.01)
B65B 55/16 (2006.01)
B65G 1/00 (2006.01)
F24F 3/167 (2021.01)
G05B 19/18 (2006.01)
G05B 19/418 (2006.01)
H01L 21/677 (2006.01)
(87) WO2023/001767
(31) 10 2021 207 747.1 (32) 20.07.21 (33) DE
(43) 26.01.2023
(72) BOTT, Mario; SCHOBBER, Lena; WELLER, David
(74) Davies Collison Cave Pty Ltd

(71) L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE
(11) AU-A-2022308303
(21) 2022308303 (22) 17.06.2022
(54) FACILITY AND METHOD FOR THE LIQUEFACTION OF HYDROGEN
(51) Int. Cl.
F25J 1/00 (2006.01)
(87) WO2023/280549
(31) FR2107411 (32) 08.07.21 (33) FR
(43) 12.01.2023
(72) GAERTNER, Axelle; GUENEGO, Bertille; BARJHOUX, Pierre; MARTIN, Florian
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

(71) LARGO CLEAN ENERGY CORP.
(11) AU-A-2022339728
(21) 2022339728 (22) 16.08.2022
(54) DETERMINING STATE OF CHARGE, MOLARITY AND OXIDATION STATE IN A FLOW BATTERY AND CONTROLLING A FLOW BATTERY
(51) Int. Cl.
H01M 8/18 (2006.01)
B60L 53/10 (2019.01)

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H01M 8/20 (2006.01)
H01M 8/22 (2006.01)
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(43) 09.03.2023
(72) ALEXANDRESCU, Eric; PERRY, Michael, L.; FALCINELLI, Michael, T.
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71)** LATERAL IP PTY LTD
(11) AU-A-2022316237
(21) 2022316237 **(22)** 22.07.2022
(54) PEPTIDE COMPOSITIONS CAPABLE OF BINDING LANTHIONINE SYNTHETASE C-LIKE PROTEIN (LANCL) AND USES THEREOF
(51) Int. Cl.
A61K 38/00 (2006.01)
A61K 38/12 (2006.01)
A61P 11/00 (2006.01)
A61P 25/02 (2006.01)
A61P 31/14 (2006.01)
C07K 5/09 (2006.01)
C07K 5/11 (2006.01)
C07K 7/06 (2006.01)
C07K 7/08 (2006.01)
(87) WO2023/000038
(31) 2021902267 **(32)** 23.07.21 **(33)** AU
(43) 26.01.2023
(72) GEARING, Andrew; KENLEY, David
(74) Davies Collison Cave Pty Ltd
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- (71)** LEE, S.C.
(11) AU-A-2022294765
(21) 2022294765 **(22)** 15.06.2022
(54) HORIZONTAL AXIS ROTATORY FORCE-GENERATING APPARATUS HAVING ROTARY BLADES ROTATING WHILE REVOLVING
(51) Int. Cl.
F03D 3/00 (2006.01)
F03D 3/06 (2006.01)
F03D 7/02 (2006.01)
(87) WO2022/265391
(31) 10-2021-0079033 **(32)** 18.06.21 **(33)** KR
(43) 22.12.2022
(72) LEE, Sang Cheol
(74) A.P.T. Patent and Trade Mark Attorneys
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- (71)** LEITZ ACCO BRANDS GMBH & CO KG
(11) AU-A-2022336988
(21) 2022336988 **(22)** 29.08.2022
(54) STAPLING DEVICE
(51) Int. Cl.
B25C 5/02 (2006.01)
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(31) 10 2021 122 348.2 **(32)** 30.08.21 **(33)** DE
(43) 09.03.2023
(72) SCHNEIDER, Thomas; SCHNEIDER, Ulrich; LEUTE, Kurt; CUI, Ou
(74) Spruson & Ferguson
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- (71)** LENOVO (BEIJING) LIMITED
(11) AU-A-2021465419
(21) 2021465419 **(22)** 24.09.2021
(54) METHODS AND APPARATUS FOR SIDELINK POSITIONING
(51) Int. Cl.
H04W 64/00 (2009.01)
H04W 76/14 (2018.01)
(87) WO2023/044791
(43) 30.03.2023
(72) HU, Jie; HAN, Jing; WANG, Haiming; WU, Lianhai; YU, Xiaodong
(74) FPA Patent Attorneys Pty Ltd
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- (71)** LENOVO (SINGAPORE) PTE. LTD.
(11) AU-A-2021460813
(21) 2021460813 **(22)** 28.09.2021
(54) MAPPING APPLICATIONS AND LOCATION SERVICE PROFILES
(51) Int. Cl.
H04W 4/02 (2018.01)
H04L 41/0803 (2022.01)
H04L 67/30 (2022.01)
H04W 4/50 (2018.01)
H04W 8/18 (2009.01)
(87) WO2023/020708
(31) 20210100558 **(32)** 18.08.21 **(33)** GR
(43) 23.02.2023
(72) PATEROMICHELAKIS, Emmanouil; THOMAS, Robin
(74) FPA Patent Attorneys Pty Ltd
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- (71)** LEONARDO S.P.A.
(11) AU-A-2022315633
(21) 2022315633 **(22)** 22.07.2022
(54) LOCKING DEVICE FOR AN AIR-CRAFT
(51) Int. Cl.
B64F 1/00 (2006.01)
B64F 1/12 (2006.01)
(87) WO2023/002451
(31) 21425037.5 **(32)** 23.07.21 **(33)** EP
 102022000015168 19.07.22 IT
(43) 26.01.2023
(72) BAGLIONI, Stefano; RIBAUDO, Maurizio
(74) Davies Collison Cave Pty Ltd
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- (71)** LG CHEM, LTD.
(11) AU-A-2023263008
(21) 2023263008 **(22)** 24.04.2023
(54) HIGHLY BRANCHED POLYLACTIDE RESIN AND METHOD FOR PREPARING SAME
(51) Int. Cl.
C08K 5/549 (2006.01)
C08G 63/91 (2006.01)
C08K 5/09 (2006.01)
C08K 5/50 (2006.01)
C08K 5/5435 (2006.01)
C08L 67/04 (2006.01)
(87) WO2023/211078
(31) 10-2022-0051459 **(32)** 26.04.22 **(33)** KR
(43) 02.11.2023
(72) PARK, Si Jung; WOO, Won Hee; CHOI, Heung Yeal; OH, Wan Kyu
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** LG ELECTRONICS INC.
(11) AU-A-2022305893
(21) 2022305893 **(22)** 06.07.2022
(54) STOREHOUSE
(51) Int. Cl.
F25D 19/00 (2006.01)
F25D 11/00 (2006.01)
F25D 17/08 (2006.01)
F25D 23/00 (2006.01)
F25D 23/10 (2006.01)
(87) WO2023/282644
(31) 10-2021-0089698 **(32)** 08.07.21 **(33)** KR
(43) 12.01.2023
(72) CHUNG, Myungjin; KIM, Kyungseok; NAM, Yoonseong; PARK, Jeongwon; KIM, Sounguk
(74) Dentons Patent Attorneys Australasia Limited
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- (71)** LG ELECTRONICS INC.
(11) AU-A-2022306644
(21) 2022306644 **(22)** 08.07.2022
(54) CLEANER STATION
(51) Int. Cl.
A47L 9/16 (2006.01)
A47L 7/00 (2006.01)
A47L 9/10 (2006.01)
A47L 9/14 (2006.01)
A47L 9/28 (2006.01)
(87) WO2023/282693
(31) 63/219,881 **(32)** 09.07.21 **(33)** US
 10-2022-0083895 07.07.22 KR
(43) 12.01.2023
(72) KIM, Hanshin; HYUN, Kietak; SONG, Hyunsup; HER, Jonguk
(74) FB Rice Pty Ltd
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- (71)** LG ELECTRONICS INC.
(11) AU-A-2022307505
(21) 2022307505 **(22)** 06.07.2022
(54) STOREHOUSE
(51) Int. Cl.
F25D 19/00 (2006.01)
F25D 11/00 (2006.01)
F25D 17/06 (2006.01)
F25D 17/08 (2006.01)
F25D 21/14 (2006.01)
F25D 23/00 (2006.01)
(87) WO2023/282648
(31) 10-2021-0089705 **(32)** 08.07.21 **(33)** KR
(43) 12.01.2023
(72) CHUNG, Myungjin; NAM, Yoonseong; KIM, Sounguk; KIM, Kyungseok
(74) Dentons Patent Attorneys Australasia Limited
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- (71)** LG ELECTRONICS INC.
(11) AU-A-2022308009
(21) 2022308009 **(22)** 06.07.2022
(54) STOREHOUSE
(51) Int. Cl.
F25D 19/02 (2006.01)
F25D 11/00 (2006.01)
F25D 21/08 (2006.01)
(87) WO2023/282643
(31) 10-2021-0089693 **(32)** 08.07.21 **(33)** KR

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 (72) CHUNG, Myungjin; PARK, Jeongwon;
 KIM, Sounguk; NAM, Yoonseong; KIM,
 Kyungseok
 (74) Dentons Patent Attorneys Australasia
 Limited

(71) LG ELECTRONICS INC.
 (11) AU-A-2022308804
 (21) 2022308804 (22) 06.07.2022
 (54) STOREHOUSE
 (51) Int. Cl.

F25D 19/02 (2006.01)
F25B 40/06 (2006.01)
F25D 21/08 (2006.01)

(87) WO2023/282647
 (31) 10-2021-0089703 (32) 08.07.21 (33) KR
 (43) 12.01.2023
 (72) CHUNG, Myungjin; NAM, Yoonseong;
 KIM, Sounguk; KIM, Kyungseok
 (74) Dentons Patent Attorneys Australasia
 Limited

(71) LG ELECTRONICS INC.
 (11) AU-A-2022313672
 (21) 2022313672 (22) 03.06.2022
 (54) SMART REFRIGERATOR
 (51) Int. Cl.

F25D 29/00 (2006.01)
F25D 27/00 (2006.01)
G06Q 50/10 (2012.01)
H04L 12/28 (2006.01)
H04L 67/52 (2022.01)

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 (31) 10-2021-0094115 (32) 19.07.21 (33) KR
 (43) 26.01.2023
 (72) KIM, Chang-won; LEE, Woo-geun;
 LEE, Jung-jae; KIM, Ji-hoon; LEE,
 Dong-geun
 (74) FB Rice Pty Ltd

(71) LG ENERGY SOLUTION, LTD.
 (11) AU-A-2023208592
 (21) 2023208592 (22) 19.01.2023
 (54) BATTERY CONTAINER
 (51) Int. Cl.

H01M 10/627 (2014.01)
H01M 10/613 (2014.01)
H01M 50/20 (2021.01)

(87) WO2023/140672
 (31) 10-2022-0008035 (32) 19.01.22 (33) KR
 (43) 27.07.2023
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 Ji-Hun; PARK, Hong-Jae; LEE, Seung-
 Jun; LEE, Ji-Won; LEE, Hyun-Min; LEE,
 Hyung-Uk; CHO, Tae-Shin; YOO, Ji-Ho;
 YOON, Sung-Han
 (74) FB Rice Pty Ltd

(71) LIANYUNGANG JINKANG HEXIN
 PHARMACEUTICAL CO., LTD.
 (11) AU-A-2022300058
 (21) 2022300058 (22) 23.06.2022
 (54) APPLICATION OF FOLIC ACID DE-
 RIVATIVES IN PREPARATION OF
 DRUGS FOR TREATING CONTACT

LENS DISCOMFORT AND XEROPH-
 THALMIA

(51) Int. Cl.
A61K 31/519 (2006.01)
A61P 27/02 (2006.01)
C07D 475/04 (2006.01)
 (87) WO2022/268167
 (31) 202110704056.5 (32) 24.06.21 (33) CN
 (43) 29.12.2022
 (72) CHENG, Yongzhi; GU, Rui; LIAN,
 Zenglin
 (74) WRAYS PTY LTD

(71) LIFESTYLES HEALTHCARE PTE.
 LTD.

(11) AU-A-2022309285
 (21) 2022309285 (22) 15.07.2022
 (54) LONG-LASTING LUBRICATION COM-
 POSITION
 (51) Int. Cl.

A61K 9/00 (2006.01)
A61F 6/04 (2006.01)
A61F 6/08 (2006.01)
A61F 6/14 (2006.01)
A61H 19/00 (2006.01)
A61K 8/02 (2006.01)
A61K 8/04 (2006.01)
A61K 8/73 (2006.01)
A61K 8/9789 (2017.01)
A61K 47/36 (2006.01)
A61K 47/46 (2006.01)

(87) WO2023/287364
 (31) 63/222,883 (32) 16.07.21 (33) US
 2022901194 05.05.22 AU
 (43) 19.01.2023
 (72) NGUYEN, Kc; BOONBUMRUNG,
 Atip; NGOWPRASERT, Chayapon;
 PONGTHANOMSAK, Chayaporn;
 KANGHAE, Yatima; PAVLOVICOVA,
 Andrea
 (74) FB Rice Pty Ltd

(71) LONGI SOLAR TECHNOLOGY (XI'AN)
 CO., LTD.

(11) AU-A-2022304152
 (21) 2022304152 (22) 18.01.2022
 (54) SOLAR CELL AND MANUFACTURING
 METHOD THEREFOR
 (51) Int. Cl.

H01L 31/068 (2012.01)
H01L 21/311 (2006.01)
H01L 31/18 (2006.01)

(87) WO2023/273313
 (31) 202110718685.3 (32) 28.06.21 (33) CN
 (43) 05.01.2023
 (72) MA, Zhijie
 (74) Madderns Pty Ltd

(71) MAGNESIUM ELEKTRON LIMITED

(11) AU-A-2022326236
 (21) 2022326236 (22) 12.08.2022
 (54) IMPROVED CASTABLE MAGNESIUM
 ALLOY
 (51) Int. Cl.

C22C 23/06 (2006.01)
C22F 1/06 (2006.01)

(87) WO2023/017280
 (31) 2111588.6 (32) 12.08.21 (33) GB

(43) 16.02.2023
 (72) MURPHY, Matthew; LYON, Paul;
 SYED, Ismet; HORAN, Gabriella
 (74) WRAYS PTY LTD

(71) MANDAJI, N.C.
 (11) AU-A-2022294325
 (21) 2022294325 (22) 15.06.2022
 (54) A DEVICE WITH CUSTOMIZED IN-
 TEGRATED ELECTRONIC CIRCUIT
 FOR DESTROYING PATHOGENS
 (51) Int. Cl.

A61L 2/10 (2006.01)
A61L 9/20 (2006.01)
H05B 41/00 (2006.01)

(87) WO2022/264169
 (31) 202141027063 (32) 17.06.21 (33) IN
 (43) 22.12.2022
 (72) MANDAJI, Narsimha Chary
 (74) FPA Patent Attorneys Pty Ltd

(71) MARBEUF CONSEIL ET RECHERCHE
 (11) AU-A-2022315507

(21) 2022315507 (22) 18.07.2022
 (54) PLANT FOR PRODUCING ELECTRI-
 CITY COMPRISING A FUEL CELL
 AND A CHEMICAL REACTOR CAP-
 ABLE OF PRODUCING THE FUEL
 FOR SAID CELL BY MEANS OF THE
 HEAT RELEASED BY SAID SAME
 CELL, AND ASSOCIATED METHOD
 (51) Int. Cl.

H01M 8/04007 (2016.01)
H01M 8/04082 (2016.01)
H01M 8/04089 (2016.01)
H01M 8/0606 (2016.01)
H01M 8/12 (2016.01)
H01M 8/1246 (2016.01)
H01M 8/1253 (2016.01)
H01M 8/126 (2016.01)

(87) WO2023/001779
 (31) FR2107884 (32) 21.07.21 (33) FR
 (43) 26.01.2023
 (72) SANGLÉ-FERRIÈRE, Bruno
 (74) Michael Buck IP

(71) MAXTERIAL, INC.

(11) AU-A-2022291934
 (21) 2022291934 (22) 20.06.2022
 (54) MOVEABLE COMPONENTS WITH
 SURFACE COATINGS
 (51) Int. Cl.

C22C 27/04 (2006.01)
C23C 4/06 (2016.01)

(87) WO2022/266532
 (31) 63/223,497 (32) 19.07.21 (33) US
 63/212,515 18.06.21 US
 63/226,649 28.07.21 US

(43) 22.12.2022
 (72) HAGHDOOST, Atieh; KARGAR, Mehdi;
 ILGAR, Ersan; CHURCH, Daniel
 (74) LAMINAR IP PTY LTD

(71) MAXTERIAL, INC.

(11) AU-A-2022292751
 (21) 2022292751 (22) 20.06.2022

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- (54) COATED SURFACES, COATINGS AND ARTICLES USING THEM
- (51) Int. Cl.
C25D 3/12 (2006.01)
C25D 3/56 (2006.01)
- (87) WO2022/266528
- (31) 63/212,515 (32) 18.06.21 (33) US
 63/226,649 28.07.21 US
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- (43) 22.12.2022
- (72) HAGHDOOST, Atieh; KARGAR, Mehdi; ILGAR, Ersan; CHURCH, Daniel
- (74) LAMINAR IP PTY LTD
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- (71) MAXTERIAL, INC.
 (11) AU-A-2022292752
 (21) 2022292752 (22) 20.06.2022
- (54) ARTICLES INCLUDING SURFACE COATINGS ON EXTERNAL SURFACES, INTERNAL SURFACES OR BOTH
- (51) Int. Cl.
C25D 3/12 (2006.01)
C25D 3/56 (2006.01)
- (87) WO2022/266533
- (31) 63/212,515 (32) 18.06.21 (33) US
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- (43) 22.12.2022
- (72) HAGHDOOST, Atieh; KARGAR, Mehdi; ILGAR, Ersan; CHURCH, Daniel
- (74) LAMINAR IP PTY LTD
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- (71) MAXTERIAL, INC.
 (11) AU-A-2022293579
 (21) 2022293579 (22) 20.06.2022
- (54) PROCESSES FOR PRODUCING COATED SURFACES, COATINGS AND ARTICLES USING THEM
- (51) Int. Cl.
C25D 3/12 (2006.01)
C25D 5/10 (2006.01)
- (87) WO2022/266529
- (31) 63/223,497 (32) 19.07.21 (33) US
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- (43) 22.12.2022
- (72) HAGHDOOST, Atieh; KARGAR, Mehdi; ILGAR, Ersan; CHURCH, Daniel
- (74) LAMINAR IP PTY LTD
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- (71) MCT CARDS & TECHNOLOGY PRIVATE LIMITED
 (11) AU-A-2022431082
 (21) 2022431082 (22) 21.07.2022
- (54) A DUAL INTERFACE SMART CARD WITH METAL FACE LAYER AND MANUFACTURING METHOD THEREOF
- (51) Int. Cl.
G06K 19/077 (2006.01)
- (87) WO2023/131825
- (31) 202241000462 (32) 04.01.22 (33) IN
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B64C 39/02 (2023.01)
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G01V 1/16 (2006.01)
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A61K 31/198 (2006.01)
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 G01N 33/569 (2006.01)
 G01N 33/68 (2006.01)
 G01N 33/74 (2006.01)
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 (51) Int. Cl.
 A61B 5/12 (2006.01)
 A61B 1/05 (2006.01)
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 A47B 47/04 (2006.01)
 F16B 5/00 (2006.01)
 F16B 5/07 (2006.01)
 F16B 17/00 (2006.01)
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 (31) 2021902308 (32) 28.07.21 (33) AU
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 (72) WOOD, Dylan James
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 A63F 13/70 (2014.01)
 A63F 13/00 (2014.01)
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 G01J 3/46 (2006.01)
 G06F 3/04847 (2022.01)
 G06T 11/00 (2006.01)
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A01C 7/20 (2006.01)
 (87) WO2023/007284
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B61L 3/00 (2006.01)
B61L 23/34 (2006.01)
B61L 27/16 (2022.01)
B61L 27/20 (2022.01)
B61L 15/00 (2006.01)
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B61L 25/02 (2006.01)
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A61K 47/65 (2017.01)
C07C 211/00 (2006.01)
C07H 5/06 (2006.01)
C07K 5/02 (2006.01)
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A47G 19/02 (2006.01)
B65D 81/34 (2006.01)
C09K 5/06 (2006.01)
F28D 20/02 (2006.01)
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A61L 27/06 (2006.01)
A61L 27/34 (2006.01)
A61L 27/46 (2006.01)
A61L 27/56 (2006.01)
A61L 31/02 (2006.01)
A61L 31/10 (2006.01)
A61L 31/12 (2006.01)
A61L 31/14 (2006.01)
C01B 25/32 (2006.01)
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 (31) 2111039.0 (32) 30.07.21 (33) GB
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 (74) Griffith Hack
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B65C 3/08 (2006.01)
B65D 5/00 (2006.01)
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A47J 31/40 (2006.01)
B65D 1/04 (2006.01)
B65D 81/32 (2006.01)
G01F 11/26 (2006.01)
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A61K 36/07 (2006.01)
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A61K 31/4152 (2006.01)
A61K 31/675 (2006.01)
B01D 11/02 (2006.01)
C07D 209/16 (2006.01)
C07D 261/12 (2006.01)
C07F 9/572 (2006.01)
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D06B 23/22 (2006.01)
D06C 7/02 (2006.01)
F22B 3/04 (2006.01)
F22G 5/12 (2006.01)
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A23L 3/3463 (2006.01)
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A47L 15/42 (2006.01)
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 (74) Allens Patent & Trade Mark Attorneys
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C01B 33/32 (2006.01)
B65D 81/38 (2006.01)
C04B 28/26 (2006.01)
E04B 1/76 (2006.01)
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C07K 16/30 (2006.01)
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 (54) AEROSOL GENERATING COMPOSITION
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A24D 1/20 (2020.01)
A24B 15/16 (2020.01)
A24B 15/30 (2006.01)
A24D 1/18 (2006.01)
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A01M 7/00 (2006.01)
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 (21) 2022315593 (22) 22.07.2022
 (54) CAGELESS SELF-ADHESIVE LAVATORY CLEANING COMPOSITION
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C11D 17/00 (2006.01)
C11D 1/02 (2006.01)
C11D 3/04 (2006.01)
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E01C 13/08 (2006.01)
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G09F 19/22 (2006.01)
E01C 13/04 (2006.01)
G09F 23/00 (2006.01)
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C07K 14/47 (2006.01)
 (87) WO2023/002061
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 (21) 2022307673 (22) 07.07.2022
 (54) APPLIANCE OUTLET BOX
 (51) Int. Cl.
E03C 1/02 (2006.01)
E03C 1/12 (2006.01)
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 (72) COSLEY, James; HART, Dennis; O'NEIL, Virgil
 (74) Allens Patent & Trade Mark Attorneys
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 (11) AU-A-2022293208
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 (51) Int. Cl.
A61K 31/5377 (2006.01)
A61K 31/444 (2006.01)
A61K 31/498 (2006.01)
A61K 31/553 (2006.01)
A61P 35/00 (2006.01)
C07D 401/12 (2006.01)
C07D 401/14 (2006.01)

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(72) BLACK, Cameron; ZIMMERMANN, Michal
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2022308056
(21) 2022308056 **(22)** 08.07.2022
(54) MODIFIED EASTERN EQUINE ENCEPHALITIS VIRUSES, SELF-REPLICATING RNA CONSTRUCTS, AND USES THEREOF
(51) Int. Cl.
C12N 15/86 (2006.01)
C07K 14/005 (2006.01)
C12N 7/00 (2006.01)
C07K 14/08 (2006.01)
C12N 15/90 (2006.01)
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(51) Int. Cl.
C07C 275/16 (2006.01)
A61K 47/54 (2017.01)
A61P 3/00 (2006.01)
A61P 9/00 (2006.01)
C07C 233/47 (2006.01)
C07C 237/22 (2006.01)
C07C 271/02 (2006.01)
C07C 279/14 (2006.01)
C07C 323/59 (2006.01)
C07D 207/416 (2006.01)
C07D 249/04 (2006.01)
C07K 16/00 (2006.01)
C12N 15/113 (2010.01)
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(51) Int. Cl.
A61F 2/82 (2013.01)
A61F 2/86 (2013.01)
A61F 2/90 (2013.01)
A61F 2/91 (2013.01)
A61F 2/95 (2013.01)
A61F 2/04 (2013.01)
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(31) 63/230,602 **(32)** 06.08.21 **(33)** US
(43) 09.02.2023
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(74) Griffith Hack
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(54) SYSTEMS AND METHODS FOR ALTERNATIVE ADVERTS
(51) Int. Cl.
H04N 7/10 (2006.01)
G06Q 30/02 (2023.01)
H04N 21/2668 (2011.01)
(87) WO2022/271529
(31) 63/214,191 **(32)** 23.06.21 **(33)** US
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(74) Davies Collison Cave Pty Ltd
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(21) 2022319722 **(22)** 27.07.2022
(54) PRESSURE LEVER LOCK
(51) Int. Cl.
E05B 83/18 (2014.01)
E05B 65/46 (2017.01)
E05B 3/00 (2006.01)
(87) WO2023/009620
(31) 2021/05415 **(32)** 30.07.21 **(33)** ZA
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(43) 02.02.2023
(72) VOSS, Michael; DREYER, Marius; HALSTEAD, Trevor
(74) K&L Gates
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(11) AU-A-2022320519
(21) 2022320519 **(22)** 03.06.2022
(54) A BICYCLE RACK FOR A VEHICLE
(51) Int. Cl.
B60R 9/04 (2006.01)
B60R 9/10 (2006.01)
B62J 7/00 (2006.01)
(87) WO2023/009216
(31) 2021/05329 **(32)** 28.07.21 **(33)** ZA
(43) 02.02.2023
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(74) K&L Gates
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(54) IN-LINE PROCESS FOR PREPARING PAINT
(51) Int. Cl.
C09D 7/80 (2018.01)
B01F 33/84 (2022.01)
C08K 9/10 (2006.01)
C09D 5/02 (2006.01)
C09D 7/43 (2018.01)
C09D 7/61 (2018.01)
C09D 7/62 (2018.01)
C09D 17/00 (2006.01)
C08K 3/22 (2006.01)
(87) WO2023/287539
(31) 63/221,043 **(32)** 13.07.21 **(33)** US
(43) 19.01.2023
(72) NUNGESSER, Edwin A.; HARSH, Philip R.; BOHLING, James C.
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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- (71)** SACHEM, INC.
(11) AU-A-2022317542
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(54) PRESERVATIVES FOR COSMETIC AND PHARMACEUTICAL COMPOSITIONS
(51) Int. Cl.
A61K 8/30 (2006.01)
A61K 8/04 (2006.01)
A61K 8/33 (2006.01)
A61K 8/34 (2006.01)
A61K 8/02 (2006.01)
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(31) 63/226,862 **(32)** 29.07.21 **(33)** US
(43) 02.02.2023
(72) EECKMAN, Hélène; ENGEL, Tim; MAHIEUX, Cedrick; KAR, Ari; YORK, Robert
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** SAINT-GOBAIN ISOVER
(11) AU-A-2022314255
(21) 2022314255 **(22)** 21.07.2022
(54) PRODUCT COMPRISING A MINERAL WOOL TO BE BLOWN
(51) Int. Cl.
C03C 13/06 (2006.01)
B32B 5/24 (2006.01)
C03B 37/04 (2006.01)
C03B 37/06 (2006.01)
C03C 3/091 (2006.01)
C03C 25/14 (2018.01)
C03C 25/255 (2018.01)
C03C 25/40 (2006.01)
(87) WO2023/002138
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(43) 26.01.2023
(72) RONY, Amaury; MICHEL, Alexia; PERROS, Elodie; TOULEMON, Delphine
(74) Griffith Hack

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(11) AU-A-2022315009
(21) 2022315009 (22) 21.07.2022
(54) PRODUCT COMPRISING A MINERAL WOOL TO BE BLOWN
(51) Int. Cl.
C03C 13/06 (2006.01)
B32B 5/24 (2006.01)
C03B 37/04 (2006.01)
C03B 37/06 (2006.01)
C03C 3/091 (2006.01)
C03C 25/14 (2018.01)
C03C 25/255 (2018.01)
C03C 25/40 (2006.01)
(87) WO2023/002136
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(72) RONY, Amaury; MICHEL, Alexia; PER-ROS, Elodie; TOULEMON, Delphine
(74) Griffith Hack
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- (71) SAINT-GOBAIN ISOVER
(11) AU-A-2022315855
(21) 2022315855 (22) 21.07.2022
(54) PRODUCT COMPRISING A MINERAL WOOL TO BE BLOWN
(51) Int. Cl.
C03C 13/06 (2006.01)
B32B 5/24 (2006.01)
C03B 37/04 (2006.01)
C03B 37/06 (2006.01)
C03C 3/091 (2006.01)
C03C 25/14 (2018.01)
C03C 25/255 (2018.01)
C03C 25/40 (2006.01)
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(72) RONY, Amaury; MICHEL, Alexia; PER-ROS, Elodie; TOULEMON, Delphine
(74) Griffith Hack
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- (71) SAMSARA ECO PTY LIMITED
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(54) ENZYMES AND USES THEREOF
(51) Int. Cl.
C08J 11/10 (2006.01)
C12N 9/18 (2006.01)
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(21) 2022325642 (22) 04.08.2022
(54) ELECTRONIC DEVICE HAVING WATERPROOF STRUCTURE APPLIED THERETO
(51) Int. Cl.
H05K 5/06 (2006.01)
H04M 1/02 (2006.01)
- H04M 1/03 (2006.01)
H05K 5/02 (2006.01)
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H05K 9/00 (2006.01)
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(54) METHOD FOR MANAGING ELECTRONIC DEVICES ON BASIS OF GROUP ACCOUNT, AND DEVICE PROVIDING SAME
(51) Int. Cl.
H04W 4/08 (2009.01)
H04W 4/029 (2018.01)
H04W 4/80 (2018.01)
H04W 88/02 (2009.01)
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(54) POWDER FORMULATION FOR TISSUE REPAIR, PREPARATION METHOD THEREFOR, AND INJECTABLE COMPOSITION FOR TISSUE REPAIR, COMPRISING SAME
(51) Int. Cl.
A61L 27/18 (2006.01)
A61F 2/00 (2006.01)
C08G 63/664 (2006.01)
C08G 65/332 (2006.01)
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(54) DRIVER SOCKET FOR INSTALLATION OF A GROUND REINFORCEMENT BOLT
(51) Int. Cl.
E21D 20/00 (2006.01)
E02D 5/80 (2006.01)
E21D 21/00 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK
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(54) DOUBLE-WEDGE ROCK BOLT
(51) Int. Cl.
E21D 21/00 (2006.01)
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(21) 2022294022 (22) 14.06.2022
(54) SUBSTITUTED PYRROLO[2,3-D]PYRIMIDINES, THEIR PREPARATION AND THEIR THERAPEUTIC APPLICATION
(51) Int. Cl.
C07D 487/04 (2006.01)
A61K 31/519 (2006.01)
A61P 25/16 (2006.01)
A61P 25/28 (2006.01)
C07B 59/00 (2006.01)
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(54) MULTIVALENT INFLUENZA VACCINES
(51) Int. Cl.
A61K 9/51 (2006.01)
A61K 39/00 (2006.01)
A61K 39/12 (2006.01)
A61K 39/145 (2006.01)

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A61P 31/16 (2006.01)
A61P 37/04 (2006.01)
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Sudha
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(54) GUIDANCE SET-UP FOR COMPAN-
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(51) Int. Cl.
H02J 13/00 (2006.01)
G06F 3/00 (2006.01)
G09G 1/00 (2006.01)
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Wilson D.; LAWRENCE, Christopher
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(54) SYSTEM FOR BUILDING AUTOMA-
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H05B 47/18 (2020.01)
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Christian
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(54) APPARTUSES AND METHODS FOR
SEAWEED EMBEDDED INTER-
TWINED ROPE MATRIX
(51) Int. Cl.
A01C 1/04 (2006.01)
A01C 11/00 (2006.01)
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DASSERY, Nelson
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(51) Int. Cl.
D04C 7/00 (2006.01)
D04C 3/16 (2006.01)
D04C 3/18 (2006.01)
B65H 54/28 (2006.01)
D04C 3/48 (2006.01)
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(54) METHODS OF TREATING CANCER
WITH A COMBINATION OF A NON-
FUCOSYLATED ANTI-CD70 ANTI-
BODY AND A CD47 ANTAGONIST
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A61P 35/02 (2006.01)
C07K 16/28 (2006.01)
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SALIM, A.J.; TRUITT, P.; KATAM, N.K.;
JORDAN, C.; MUKHANOV, O.A.
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(54) SYSTEM AND METHOD OF FLUX
BIAS FOR SUPERCONDUCTING
QUANTUM CIRCUITS
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G06N 10/40 (2022.01)
H01F 6/00 (2006.01)
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Amir Jafari; TRUITT, Patrick; KATAM,
Naveen Kumar; JORDAN, Caleb;
MUKHANOV, Oleg A,
(74) Adams Pluck
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CO., LTD.; JIANGSU HANSOH PHAR-
MACEUTICAL GROUP CO., LTD.
(11) AU-A-2022321506
(21) 2022321506 (22) 03.08.2022
(54) CYCLOALKENE DERIVATIVE REG-
ULATOR, PREPARATION METHOD
THEREFOR, AND APPLICATION
THEREOF
(51) Int. Cl.
C07D 405/14 (2006.01)
A61K 31/4184 (2006.01)
A61K 31/4188 (2006.01)
A61K 31/435 (2006.01)
A61P 3/04 (2006.01)
A61P 3/10 (2006.01)
C07D 407/14 (2006.01)
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Jun; ZHOU, Xiaohan; YU, Wensheng
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- (71) SHANGHAI JUNSHI BIOSCIENCES
CO., LTD.
(11) AU-A-2022298603
(21) 2022298603 (22) 21.06.2022
(54) SIRNA INHIBITING ANGPTL3 GENE
EXPRESSION, AND USE THEREOF
(51) Int. Cl.
C12N 15/11 (2006.01)
A61K 31/713 (2006.01)
A61P 3/06 (2006.01)
C12N 15/113 (2010.01)
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Sheng; LV, Jiasheng; SIYANG, Haixiao;
YIN, Yijie; GUO, Wantao; LI, Haiming;
CHEN, Dawei; GU, Jiamin; KONG, Xi-
anqi
(74) FB Rice Pty Ltd
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- (71) SHANGHAI LEADO PHARMATECH
CO. LTD.
(11) AU-A-2022293611
(21) 2022293611 (22) 10.06.2022
(54) N-SUBSTITUTED PHENYLSULF-
ONAMIDE COMPOUND AND USE
THEREOF
(51) Int. Cl.
C07D 307/52 (2006.01)
A61K 31/341 (2006.01)
A61K 31/381 (2006.01)
A61K 31/40 (2006.01)
A61K 31/402 (2006.01)
A61K 31/415 (2006.01)
A61K 31/4164 (2006.01)
A61K 31/4178 (2006.01)
A61K 31/4192 (2006.01)
A61K 31/426 (2006.01)
A61K 31/428 (2006.01)
A61K 31/443 (2006.01)
A61P 1/00 (2006.01)
A61P 1/04 (2006.01)
A61P 25/00 (2006.01)
A61P 29/00 (2006.01)
C07D 207/335 (2006.01)
C07D 231/12 (2006.01)
C07D 233/64 (2006.01)
C07D 249/06 (2006.01)
C07D 261/08 (2006.01)
C07D 277/28 (2006.01)
C07D 307/54 (2006.01)
C07D 307/79 (2006.01)
C07D 333/20 (2006.01)
C07D 333/34 (2006.01)
C07D 405/12 (2006.01)
C07D 409/12 (2006.01)
C07D 409/14 (2006.01)
C07D 417/12 (2006.01)

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 (74) FPA Patent Attorneys Pty Ltd
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- (71) SHANGHAI SENHUI MEDICINE CO., LTD.; SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.; JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.
 (11) AU-A-2022316425
 (21) 2022316425 (22) 22.07.2022
 (54) DRUG CONJUGATE OF ERIBULIN DERIVATIVE
 (51) Int. Cl.
A61K 47/68 (2017.01)
A61K 31/357 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
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- (71) SHANGHAI SINOBAY BIOTECHNOLOGY CO., LTD.
 (11) AU-A-2021451307
 (21) 2021451307 (22) 16.06.2021
 (54) ANTIBODY TARGETING AXL PROTEIN AND ANTIGEN BINDING FRAGMENT THEREOF, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
 (51) Int. Cl.
C07K 16/40 (2006.01)
A61K 35/17 (2015.01)
A61K 39/395 (2006.01)
A61K 45/00 (2006.01)
A61P 35/00 (2006.01)
C12N 5/10 (2006.01)
C12N 15/13 (2006.01)
C12N 15/63 (2006.01)
 (87) WO2022/261846
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 (11) AU-A-2022303401
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 (54) IMPLANT EXTRACTOR
 (51) Int. Cl.
A61F 2/46 (2006.01)
A61F 2/36 (2006.01)
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 (21) 2021453495 (22) 01.07.2021
 (54) A MINING SYSTEM
 (51) Int. Cl.
B03C 1/30 (2006.01)
B02C 23/08 (2006.01)
B02C 23/14 (2006.01)
B03B 5/66 (2006.01)
B03B 7/00 (2006.01)
B03C 1/02 (2006.01)
B03C 1/10 (2006.01)
B03C 1/247 (2006.01)
 (87) WO2023/272333
 (43) 05.01.2023
 (72) ZHAO, Changying; FENG, Dingwu
 (74) Allens Patent & Trade Mark Attorneys
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 (51) Int. Cl.
F16L 55/46 (2006.01)
B08B 9/055 (2006.01)
F16L 55/40 (2006.01)
F16L 55/48 (2006.01)
F16L 101/12 (2006.01)
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B02C 17/22 (2006.01)
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 (11) AU-A-2022310081
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 (54) METHODS OF TREATING NEUROLOGICAL DISEASES
 (51) Int. Cl.
A61K 39/395 (2006.01)
A61P 25/28 (2006.01)
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 (31) 63/221,261 (32) 13.07.21 (33) US
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 (51) Int. Cl.
A61P 35/00 (2006.01)
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C12N 15/113 (2010.01)
 (87) WO2023/288128
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 (72) MOLYNEAUX, Michael; LU, Patrick
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 (54) COMPOSITION AND USE OF SIRNAS AGAINST VEGFR2 AND TGF-BETA1 IN COMBINATION THERAPY FOR CANCER
 (51) Int. Cl.
A61K 47/69 (2017.01)
A61K 31/713 (2006.01)
B82Y 5/00 (2011.01)
C12N 15/11 (2006.01)
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 (54) PRODUCTS AND COMPOSITIONS
 (51) Int. Cl.
C12N 15/113 (2010.01)
A61K 38/10 (2006.01)
C07K 7/08 (2006.01)
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A61N 5/10 (2006.01)
A61N 5/00 (2006.01)
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A63B 57/20 (2015.01)
A42B 1/00 (2021.01)
A63B 57/00 (2015.01)
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(51) Int. Cl.
A47J 31/40 (2006.01)
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C08F 226/06 (2006.01)
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E04H 5/02 (2006.01)
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B25B 28/00 (2006.01)
B25J 15/00 (2006.01)
B25J 15/02 (2006.01)
B63C 11/52 (2006.01)
B65H 51/10 (2006.01)
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A01N 63/50 (2020.01)
A01P 3/00 (2006.01)
A23K 10/16 (2016.01)
A23K 20/137 (2016.01)
A23K 20/195 (2016.01)
A61K 35/747 (2015.01)
A61K 38/16 (2006.01)
A61P 31/04 (2006.01)
C07K 14/195 (2006.01)
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H02M 1/36 (2007.01)
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A61P 3/06 (2006.01)
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A61P 43/00 (2006.01)
C07C 51/00 (2006.01)
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C07C 309/29 (2006.01)
C07D 207/42 (2006.01)
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A01N 43/80 (2006.01)
A01N 43/82 (2006.01)
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A01N 43/40 (2006.01)
A01N 43/78 (2006.01)
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A01N 63/28 (2020.01)
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C07B 59/00 (2006.01)
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 DEPTH OF MATERIALS IN THE
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G01V 3/30 (2006.01)
E21B 47/04 (2012.01)
E21B 47/12 (2012.01)
G01V 3/10 (2006.01)
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C09C 3/08 (2006.01)
C08K 9/04 (2006.01)
C09C 1/00 (2006.01)
C09C 1/02 (2006.01)
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G06T 7/33 (2017.01)
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C05G 5/30 (2020.01)
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C22B 60/02 (2006.01)
B01J 23/10 (2006.01)
C07K 14/195 (2006.01)
C09K 11/02 (2006.01)
C22B 3/22 (2006.01)
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A23B 7/153 (2006.01)
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A23B 7/16 (2006.01)
A23L 3/34 (2006.01)
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A61P 37/02 (2006.01)
C12N 5/071 (2010.01)
C12N 5/078 (2010.01)
C12N 5/0783 (2010.01)
C12N 15/09 (2006.01)
C12N 15/11 (2006.01)
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 ING MONOCLONAL ANTIBODIES
 AGAINST SARS-COV-2, ITS VARI-
 ANTS, AND RELATED CORONAVIR-
 USES AND METHODS OF USE
 (51) Int. Cl.
A61K 39/42 (2006.01)
A61P 31/14 (2006.01)
C07K 16/10 (2006.01)
C12N 15/13 (2006.01)
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C12Q 1/6881 (2018.01)
C12N 5/071 (2010.01)
A61K 39/002 (2006.01)
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F23G 7/00 (2006.01)
B09B 3/00 (2022.01)
C10B 53/02 (2006.01)
F23B 20/00 (2006.01)
F23G 5/027 (2006.01)
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F23G 7/10 (2006.01)
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B02C 23/08 (2006.01)
B01D 46/00 (2022.01)
B02C 13/288 (2006.01)
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B02C 19/00 (2006.01)
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C10L 1/14 (2006.01)
C10L 10/02 (2006.01)
C10L 1/18 (2006.01)
C10L 1/183 (2006.01)
C10L 1/198 (2006.01)
C10L 1/23 (2006.01)
C10L 1/2383 (2006.01)
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G01M 11/02 (2006.01)
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F24H 6/00 (2022.01)
F24H 9/16 (2022.01)
F24H 15/335 (2022.01)
F24H 15/345 (2022.01)
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B09B 3/20 (2022.01)
B09B 5/00 (2006.01)
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C11D 1/66 (2006.01)
C11D 1/74 (2006.01)
C11D 3/50 (2006.01)
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C12N 15/12 (2006.01)
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A61P 35/00 (2006.01)
A61P 37/04 (2006.01)
C07K 7/06 (2006.01)
C07K 7/08 (2006.01)
C07K 14/47 (2006.01)
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A61K 31/713 (2006.01)
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A23L 5/20 (2016.01)
C02F 103/32 (2006.01)
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A01P 3/00 (2006.01)
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 (74) Churchill Attorneys
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B60L 53/14 (2019.01)
B60L 53/16 (2019.01)
B60L 53/31 (2019.01)
B60L 53/35 (2019.01)
G07F 15/00 (2006.01)
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H01R 13/527 (2006.01)
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B65B 5/10 (2006.01)
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B65B 9/073 (2012.01)
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B65H 23/04 (2006.01)
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B60W 60/00 (2020.01)
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G06V 10/94 (2022.01)
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B29C 45/00 (2006.01)
B65D 25/40 (2006.01)
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 (74) AJ PARK
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C07K 14/55 (2006.01)
A61K 38/20 (2006.01)
A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
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 (72) ZHU, Chunyi
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- (71) ZIMMER US, INC.
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 (54) DYNAMIC SENSING AND INTERVENTION SYSTEM
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G16H 20/40 (2018.01)
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 (72) VAN ANDEL, Dave; BRINCAT, Mark; SPOONER, Ted
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) ZOETIS SERVICES LLC
 (11) AU-A-2022318635
 (21) 2022318635 (22) 15.07.2022
 (54) SEROTONIN 5-HT2B INHIBITORY COMPOUNDS
 (51) Int. Cl.
A61K 31/00 (2006.01)
A61K 45/00 (2006.01)
A61P 35/00 (2006.01)
C07D 201/00 (2006.01)
C07D 451/02 (2006.01)
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A61K 31/7068 (2006.01)
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C07H 19/173 (2006.01)
A61P 21/00 (2006.01)
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(72) DIPIETRO, Daniel
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) ZUORA, INC.
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(21) 2022309442 (22) 17.06.2022
(54) SUBSCRIPTION METRIC GENERATION FROM STORAGE-EFFICIENT SUBSCRIPTION CHARGE SEGMENT CHANGE LOGS
(51) Int. Cl.
G06Q 20/08 (2012.01)
(87) WO2023/287547
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(72) LIU, Wei
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- (71) ZYDUS LIFESCIENCES LIMITED
(11) AU-A-2022305809
(21) 2022305809 (22) 08.07.2022
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A61P 31/18 (2006.01)
C07C 311/00 (2006.01)
C07D 205/04 (2006.01)
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(31) 202121030625 (32) 08.07.21 (33) IN
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(72) AGARWAL, Sameer; PARMAR, Deven V.; PHILIP, Binu; SHARMA, Rajiv; JAIN, Mukul; CHATTERJEE, Abhijit
(74) Davies Collison Cave Pty Ltd

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2020387684	TIGERCAT INDUSTRIES INC.	2022294430	ENEOS CORPORATION
2021297261	ANTI ORDINARY PTY LTD	2022294688	KIM, B.J.; K & L PACK CO., LTD.
2021303477	BIEL GLASSES, S.L.	2022294765	LEE, S.C.
2021449863	HASEBE, T.; GLOBAL VASCULAR CO., LTD.	2022294861	MINGHUI PHARMACEUTICAL (HANGZHOU) LTD.; MINGHUI PHARMACEUTICAL (SHANGHAI) LTD.
2021450831	AIR PRODUCTS AND CHEMICALS, INC.	2022295015	IFP ENERGIES NOUVELLES; JEPLAN, INC.
2021450886	AIR PRODUCTS AND CHEMICALS, INC.	2022295553	BIONIC IP PTY LTD
2021451048	AIR PRODUCTS AND CHEMICALS, INC.	2022296184	TORXX KINETIC PULVERIZER LIMITED
2021451307	SHANGHAI SINOBAY BIOTECHNOLOGY CO., LTD.	2022296692	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
2021451457	AIR PRODUCTS AND CHEMICALS, INC.	2022296767	SYNACT PHARMA APS
2021451772	AIR PRODUCTS AND CHEMICALS, INC.	2022296798	JOHANN WOLFGANG GOETHE-UNIVERSITÄT FRANKFURT
2021452988	KIMBERLY-CLARK WORLDWIDE, INC.	2022296846	HUECK FOLIEN GESELLSCHAFT M.B.H.
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2021453583	ORTHO-TAIN, INC.	2022297021	TORXX KINETIC PULVERIZER LIMITED
2021456002	VOLVO AUTONOMOUS SOLUTIONS AB	2022297426	TAXIS PHARMACEUTICALS, INC.
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2021458483	ENVENTURE GLOBAL TECHNOLOGY, INC.	2022297661	THINK AND VISION GMBH
2021458494	CAPTANA GMBH	2022297698	"INNOVA GOOD" SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA
2021458928	KEN ROBOTECH CORP.	2022297808	KERESZY, T.
2021460813	LENOVO (SINGAPORE) PTE. LTD.	2022297983	RISEN (SUZHOU) PHARMA TECH CO., LTD.; LV, J.; SIYANG, H.; YIN, Y.; GUO, W.; LI, H.; CHEN, D.; GU, J.; KONG, X.; PAN, J.; MA, X.; SONG, P.; WU, C.; FENG, H.; YAO, S.
2021461615	SINO IRON HOLDINGS PTY LTD	2022298470	JUVENA THERAPEUTICS, INC.
2021462235	SINO IRON HOLDINGS PTY LTD	2022298495	QINGDAO HAIER DISHWASHER CO., LTD.; HAIER SMART HOME CO., LTD.
2021463092	ALLEN GLOBAL FZCO	2022298603	SHANGHAI JUNSHI BIOSCIENCES CO., LTD.
2021463815	ANDROS PHARMACEUTICALS CO., LTD.	2022298641	UNIVERSITY OF MASSACHUSETTS
2021464660	HALLIBURTON ENERGY SERVICES, INC.	2022298654	CALICO LIFE SCIENCES LLC; ABBVIE INC.
2021465419	LENOVO (BEIJING) LIMITED	2022298820	BETTA PHARMACEUTICALS CO., LTD
2021466766	HALLIBURTON ENERGY SERVICES, INC.	2022299016	RIVIT TV, INC.
2021466980	HALLIBURTON ENERGY SERVICES, INC.	2022299162	ARRIS ENTERPRISES LLC
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2021472508	HALLIBURTON ENERGY SERVICES, INC.	2022299328	KIMBERLY-CLARK WORLDWIDE, INC.
2022235508	Kim, S.M.	2022299643	ANGLO AMERICAN MINÉRIO DE FERRO BRASIL S/A
2022283288	ERGOMOTION, INC.; ERMALOVICH, Joseph	2022300058	LIANYUNGANG JINKANG HEXIN PHARMACEUTICAL CO., LTD.
2022289736	SEEQC, INC.; KIRICHENKO, A.; SALIM, A.J.; TRUITT, P.; KATAM, N.K.; JORDAN, C.; MUKHANOV, O.A.	2022300061	GAN & LEE PHARMACEUTICALS CO., LTD.
2022291691	IONIC ALLIANCE HOLDINGS, LLC	2022300712	RAVEN INDUSTRIES, INC.
2022291783	ZOGENIX, INC.	2022300883	BEIJING DAJIA INTERNET INFORMATION TECHNO- LOGY CO., LTD.
2022291844	SNAPS VENTURES INC.	2022301328	SOLENIS TECHNOLOGIES CAYMAN, L.P.
2022291929	IMMUNICOM, INC.	2022301381	AMPSOURCE BIOPHARMA SHANGHAI INC.
2022291934	MAXTERIAL, INC.	2022301410	NEURODAWN PHARMACEUTICAL CO., LTD.
2022291982	HARBOUR BIOMED (SHANGHAI) CO., LTD	2022301422	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD
2022292092	HELM AG	2022301429	ARJIL BIOTECH HOLDING COMPANY LIMITED
2022292164	MEIRAGTX UK II LIMITED	2022301470	WELLTEC OILFIELD SOLUTIONS AG
2022292185	FERRING B.V.	2022302361	AB MAURI (UK) LTD
2022292386	12232821 CANADA INC.	2022302375	N.V. NUTRICIA
2022292642	ICU MEDICAL, INC.	2022303105	AB MAURI (UK) LTD
2022292697	JANSSSEN PHARMACEUTICA NV	2022303106	AB MAURI (UK) LTD
2022292751	MAXTERIAL, INC.	2022303166	HUBBELL INCORPORATED; BROWER, J.; SAMO- JEDEN, M.; BARES, R.; GOLEMBIEWSKI, D.; CAR- SON, M.
2022292752	MAXTERIAL, INC.	2022303280	ANDRITZ OY
2022292999	PHAIM PHARMA LTD.; ORBAN, T.; HEYMAN, J.; DAUBENEY, N.; DAUBENEY, P.	2022303401	SHUKLA MEDICAL INC.
2022293208	REPAIRE THERAPEUTICS INC.	2022303454	DR OPHELIA LIMITED
2022293498	THE TEXAS A&M UNIVERSITY SYSTEM	2022303621	ANDROMEDA IP PTY LTD
2022293571	PROVAMED	2022303647	KAWASAKI JUKOGYO KABUSHIKI KAISHA; TB GLOBAL TECHNOLOGIES LTD.
2022293576	TERRASEE TECH, LLC	2022304152	LONGI SOLAR TECHNOLOGY (XI'AN) CO., LTD.
2022293579	MAXTERIAL, INC.	2022304582	SEAGEN INC.
2022293611	SHANGHAI LEADO PHARMATECH CO. LTD.		
2022293871	ONCONOVA THERAPEUTICS, INC.		
2022294022	SANOFI		
2022294095	SPINALCYTE LLC		
2022294100	GENZYME CORPORATION		
2022294143	BAMBINO PREZIOSO SWITZERLAND AG		
2022294158	BER OY		
2022294274	SANOFI		
2022294282	BAR-ILAN UNIVERSITY		
2022294302	PHAIM PHARMA LTD.; ORBAN, T.; HEYMAN, J.; DAUBENEY, N.; DAUBENEY, P.		
2022294325	MANDAJI, N.C.		

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2022304702	AXON ENTERPRISE, INC.	2022310081	SINOMAB BIOSCIENCE LIMITED
2022304821	B-FCTL CO., LTD.	2022310121	OCADO INNOVATION LIMITED
2022304828	BEIJING ROBOROCK TECHNOLOGY CO., LTD.	2022310133	PRODES GMBH
2022304981	IFP ENERGIES NOUVELLES	2022310182	NURIX THERAPEUTICS, INC.
2022305101	ETHERNA IMMUNOTHERAPIES NV	2022310338	HOSOKAWA YOKO CO., LTD.
2022305104	WELLTEC OILFIELD SOLUTIONS AG	2022310353	NORTHEASTERN UNIVERSITY
2022305111	SCHNEIDER ELECTRIC INDUSTRIES SAS	2022310516	SIRNAOMICS, INC.
2022305119	AARHUS UNIVERSITET	2022310523	CONOCOPHILLIPS COMPANY
2022305120	KINTSUGI THERAPEUTICS S.L.	2022310525	SIRNAOMICS, INC.
2022305237	INOVIO PHARMACEUTICALS, INC.	2022310849	ESS TECH, INC.
2022305267	AGORA INTELLIGENCE, INC.	2022310862	2SEVENTY BIO, INC.
2022305356	NEW YORK GENOME CENTER, INC.; NEW YORK UNIVERSITY	2022310919	FOSECO INTERNATIONAL LIMITED
2022305612	BAYER AKTIENGESSELLSCHAFT	2022310924	QWARZO S.P.A.
2022305809	ZYDUS LIFESCIENCES LIMITED	2022311328	PROMECO NV
2022305824	PURAC BIOCHEM B.V.	2022311761	PEPSICO, INC.
2022305893	LG ELECTRONICS INC.	2022311766	BECTON, DICKINSON AND COMPANY
2022306065	PROFOUNDBIO US CO.	2022311784	THE MEDICAL COLLEGE OF WISCONSIN, INC.
2022306095	C SEA SOLUTIONS PTY LTD	2022311848	ESS TECH, INC.
2022306136	KEVIN MURPHY GROUP PTY. LTD.	2022311870	SKINCURE ONCOLOGY LLC
2022306140	HELIOS POMPANO, INC.	2022311928	ZIMMER US, INC.
2022306143	BHUKHANWALA, K.	2022311934	CYPRE, INC.
2022306145	BRIGHT PEAK THERAPEUTICS AG	2022311958	NORTHWESTERN UNIVERSITY
2022306307	DYNE THERAPEUTICS, INC.	2022312026	JOINT BIOSCIENCES (SH) LTD.
2022306337	AJINOMOTO CO., INC.	2022312113	EPSILON COMPOSITE
2022306442	ZHU, C.	2022312332	KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY
2022306644	LG ELECTRONICS INC.	2022312506	CYTOKINETICS, INC.
2022306850	CODAGENIX INC.; SERUM INSTITUTE OF INDIA PRIVATE LIMITED	2022312793	HITACHI, LTD.
2022306927	IFP ENERGIES NOUVELLES	2022312870	FUTURE MEDICINE CO., LTD.
2022307365	TENAYA THERAPEUTICS, INC.	2022313055	SAMYANG HOLDINGS CORPORATION
2022307505	LG ELECTRONICS INC.	2022313153	CNH INDUSTRIAL AMERICA LLC
2022307673	RELIANCE WORLDWIDE CORPORATION	2022313321	BASF AGRICULTURAL SOLUTIONS SEED US LLC
2022307811	SUMITOMO CHEMICAL COMPANY, LIMITED	2022313322	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
2022307860	ARRIS ENTERPRISES LLC	2022313345	COVAL BIOPHARMA (SHANGHAI) CO., LTD.
2022307884	BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD.	2022313503	OCADO INNOVATION LIMITED
2022308009	LG ELECTRONICS INC.	2022313563	INTELLIGENT AGRICULTURAL SOLUTIONS LLC
2022308056	REPLICATE BIOSCIENCE, INC.	2022313576	ARBUTUS BIOPHARMA CORPORATION
2022308094	CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA	2022313672	LG ELECTRONICS INC.
2022308105	IFP ENERGIES NOUVELLES	2022313698	THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO
2022308165	BEIJING ROBOROCK TECHNOLOGY CO., LTD.	2022313822	SOLUNA COMPUTING, INC.
2022308198	HASLETON, M.	2022313993	PPG INDUSTRIES OHIO, INC.
2022308277	KORTEK CORPORATION	2022314036	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.
2022308303	L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE	2022314134	INVENTIO AG
2022308398	VIRIDIAN SOLAR LIMITED	2022314160	DRYAD NETWORKS GMBH
2022308703	BLOM, G.F.	2022314164	BASF SE
2022308804	LG ELECTRONICS INC.	2022314179	KYOUBE TECH GMBH
2022308807	OLIX PHARMACEUTICALS, INC.	2022314212	K-FEE SYSTEM GMBH
2022308843	SWITCH THERAPEUTICS INC.	2022314238	BASF SE
2022308896	BASF SE	2022314249	TOTALENERGIES ONETECH
2022308952	OTSUKA PHARMACEUTICAL FACTORY, INC.	2022314255	SAINT-GOBAIN ISOVER
2022309015	SURGICAL DESIGN INNOVATIONS II, LLC	2022314275	INTELLIGENT AGRICULTURAL SOLUTIONS, LLC
2022309106	ALOIS DATA GMBH	2022314633	CNH INDUSTRIAL AMERICA LLC
2022309145	ADAMA MAKHTESHIM LTD.	2022314642	CREATV MICROTECH INC.
2022309204	PAIGE.AI, INC.	2022314733	JOHNSON CONTROLS TYCO IP HOLDINGS LLP
2022309253	PROPIX TECHNOLOGIES PRIVATE LIMITED	2022314790	THE PENN STATE RESEARCH FOUNDATION
2022309285	LIFESTYLES HEALTHCARE PTE. LTD.	2022314791	EPICRISPR BIOTECHNOLOGIES, INC.
2022309300	SAMSARA ECO PTY LIMITED	2022314920	DRYAD NETWORKS GMBH
2022309374	UNIVERSITY OF SOUTH AUSTRALIA	2022314997	REDBIOTEC AG
2022309416	SUZHOU RIBO LIFE SCIENCE CO., LTD.	2022315009	SAINT-GOBAIN ISOVER
2022309437	ROHM AND HAAS COMPANY	2022315139	C. R. BARD, INC.
2022309442	ZUORA, INC.	2022315142	CATERPILLAR INC.
2022309457	BECTON, DICKINSON AND COMPANY	2022315147	MONASH UNIVERSITY
2022309469	DERMIRA, INC.	2022315202	POARCH BAND OF CREEK INDIANS, D/B/A PCI GAMING AUTHORITY
2022309612	INCANNEX HEALTHCARE LIMITED	2022315226	RAI STRATEGIC HOLDINGS INC.
2022309928	CENTRO NACIONAL DE INVESTIGACIONES CIENTÍFICAS	2022315233	PEOPLE CENTER, INC.
2022310030	SUMMIT BIOLABS, INC.	2022315242	BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION, ON BEHALF OF THE UNIV. OF NEVADA

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2022315305	IMMUNESENSOR THERAPEUTICS, INC.; THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	2022321506	SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.
2022315311	HUAWEI TECHNOLOGIES CO., LTD.	2022321954	UNILEVER GLOBAL IP LIMITED
2022315366	HEFEI HAIER REFRIGERATOR CO.,LTD; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	2022322310	OTSUKA PHARMACEUTICAL FACTORY, INC.
2022315487	BASF COATINGS GMBH	2022323090	ALNYLAM PHARMACEUTICALS, INC.
2022315500	ARGO GMBH	2022323229	APOLLO MEDICAL OPTICS, LTD.
2022315504	KYOOBE TECH GMBH	2022323237	CHEVRON U.S.A. INC.
2022315507	MARBEUF CONSEIL ET RECHERCHE	2022323290	MEI S.R.L.
2022315523	CIRCLE SAFE	2022323291	ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP
2022315557	BASF SE	2022323301	EPYGON SAS
2022315593	RECKITT & COLMAN (OVERSEAS) HYGIENE HOME LIMITED	2022323303	SYNGENTA CROP PROTECTION AG
2022315599	INTELLIGENT AGRICULTURAL SOLUTIONS, LLC	2022323379	GOOGLE LLC
2022315633	LEONARDO S.P.A.	2022323465	INTERVET INTERNATIONAL B.V.
2022315855	SAINT-GOBAIN ISOVER	2022323710	ALGORITHMIQ OY
2022316043	GREPOW INC	2022323712	VERISURE SÄRL
2022316152	ANTECIP BIOVENTURES II LLC	2022323741	TECHNISCHE UNIVERSITÄT MÜNCHEN
2022316208	METHODICAL MIND, LLC.	2022323762	ICARE FINLAND OY
2022316224	PHOTONICARE INC.	2022324039	RIVERMARK MEDICAL, INC.
2022316227	SOLUGEN, INC.	2022324696	VMI HOLLAND B.V.
2022316237	LATERAL IP PTY LTD	2022324711	IMMUNOS THERAPEUTICS AG
2022316336	KYOOBE TECH GMBH	2022324914	DAICEL CORPORATION
2022316425	SHANGHAI SENHUI MEDICINE CO., LTD.; SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.; JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.	2022324942	SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION/SUPPLY) PTY LTD
2022317048	EMORY UNIVERSITY	2022324973	RECREATIONAL SYSTEMS INTERNATIONAL B.V.
2022317280	PROMIMIC AB	2022325054	EDITAS MEDICINE, INC.
2022317283	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.	2022325056	CAREFUSION 303, INC.
2022317286	VMI HOLLAND B.V.	2022325132	NAUTICAL CONTROL SOLUTIONS, LP
2022317310	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.	2022325137	DANA-FARBER CANCER INSTITUTE, INC.
2022317542	SACHEM, INC.	2022325175	MOHIDEEN, F.A.
2022317891	NICOVENTURES TRADING LIMITED	2022325456	DRYAD NETWORKS GMBH
2022318093	NICOVENTURES TRADING LIMITED	2022325463	SYNGENTA CROP PROTECTION AG
2022318156	N.V. NUTRICIA	2022325498	CYTUNE PHARMA
2022318270	EXAIL ROBOTICS	2022325519	WINPAK LTD.
2022318298	URBAN ELECTRIC NETWORKS LTD	2022325642	SAMSUNG ELECTRONICS CO., LTD.
2022318635	ZOETIS SERVICES LLC	2022325715	SIRNAOMICS, INC.
2022318869	INTERNATIONAL FLAVORS & FRAGRANCES INC.	2022325804	ITRON, INC.
2022318994	AVENT, INC.	2022325815	THE CHEMOURS COMPANY FC, LLC
2022319110	AVENT, INC.	2022325907	SOUTHERN OCEAN SUBSEA PTY LTD
2022319178	PLY ME PTY LTD	2022326236	MAGNESIUM ELEKTRON LIMITED
2022319722	ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD	2022326371	SAMSUNG ELECTRONICS CO., LTD.
2022319801	VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT	2022326568	DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES OFFENTLICHEN RECHTS; UNIVERSITÄT HEIDELBERG; SILL, M.; PFISTER, S.; JONES, D.; VON DEIMLING, A.; CAPPER, D.; HOVESTADT, V.; SAHM, F.; SCHRIMPF, D.
2022319813	NICOVENTURES TRADING LIMITED	2022326812	OLEON NV
2022319816	ATLAS ELEKTRONIK GMBH; THYSSENKRUPP AG	2022327115	ITRON, INC.
2022319975	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.	2022327116	ITRON, INC.
2022320086	UNICHARM CORPORATION	2022327461	ALEBUND PHARMACEUTICALS (HONG KONG) LIMITED
2022320519	ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD	2022327561	DRYAD NETWORKS GMBH
2022320538	CTAK LLC	2022327657	AUTIFONY THERAPEUTICS LIMITED
2022320553	YUNQUAN BIOTECHNOLOGY (BEIJING) CO., LTD.	2022328089	SAMSUNG ELECTRONICS CO., LTD.
2022320625	BOLTON MEDICAL, INC.	2022328137	GENENTECH, INC.
2022320689	AVENT, INC.	2022328285	ITRON, INC.
2022320788	PAVMED INC.	2022328657	INOLEX INVESTMENT CORPORATION
2022320793	GENENTECH, INC.; XENCOR, INC.	2022328698	GILEAD SCIENCES, INC.
2022320805	CRANE PAYMENT INNOVATIONS, INC.	2022329929	CAREFUSION 303, INC.
2022320833	FLEXOPTIX GMBH	2022330347	UCB BIOPHARMA SRL
2022320869	NEWAMSTERDAM PHARMA B.V.	2022331238	CAREFUSION 303, INC.
2022320943	VMI HOLLAND B.V.	2022331944	UNIVERSITÉ DE MONTRÉAL
2022320967	VIPER INNOVATIONS LIMITED	2022332303	GENENTECH, INC.
2022320987	PRECISION PLANTING LLC	2022332538	MUNTERS EUROPE AKTIEBOLAG
2022321039	SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION/SUPPLY) PTY LTD	2022333289	OXFORD NANOPORE TECHNOLOGIES PLC
2022321040	O'BROPO PTY LTD	2022334249	IONQ, INC.
2022321046	PSILO SCIENTIFIC LTD	2022334511	BIOFRONT LTD
		2022335541	R.P. SCHERER TECHNOLOGIES, LLC
		2022335669	BAYER AKTIENGESELLSCHAFT
		2022335839	MITSUBISHI HEAVY INDUSTRIES, LTD.
		2022336652	UPL LIMITED

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2022336797	WEIDMÜLLER INTERFACE GMBH & CO. KG
2022336988	LEITZ ACCO BRANDS GMBH & CO KG
2022337080	ALCON INC.
2022338218	SAVANT SYSTEMS, INC.
2022338296	ALCON INC.
2022339728	LARGO CLEAN ENERGY CORP.
2022340444	RECREATIONAL SYSTEMS INTERNATIONAL B.V.
2022340453	DELAVAL HOLDING AB
2022340988	ALCON INC.
2022341084	INSTITUTE OF AGRO-PRODUCTS PROCESSING SCIENCE AND TECHNOLOGY, SICHUAN ACADEMY OF AGRICULTURAL SCIENCES
2022341594	AGCO CORPORATION
2022342204	GUANGDONG HANDSOME TECHNOLOGY LIMITED
2022342266	CYBIN IRL LIMITED
2022344664	ENECOAT TECHNOLOGIES CO.,LTD.
2022351495	F. HOFFMANN-LA ROCHE AG
2022353248	UPL LIMITED
2022354584	F. HOFFMANN-LA ROCHE AG
2022357556	DUKE UNIVERSITY; VISCO, Z.
2022358423	HYAXIOM, INC.
2022359801	FORX THERAPEUTICS AG
2022364611	HALLIBURTON ENERGY SERVICES, INC.
2022366291	PRECISION PLANTING LLC
2022378365	HALLIBURTON ENERGY SERVICES, INC.
2022379602	CARIBOU BIOSCIENCES, INC.
2022379735	TRUMA GERÄTE TECHNIK GMBH & CO. KG
2022383209	SUNGROW POWER SUPPLY CO., LTD.
2022389872	HITACHI INDUSTRIAL EQUIPMENT SYSTEMS CO., LTD.
2022401404	BEIJING GOLDWIND SCIENCE & CREATION WIND- POWER EQUIPMENT CO., LTD.
2022403763	THE MOSAIC COMPANY
2022407189	HALLIBURTON ENERGY SERVICES, INC.
2022409572	DANFOSS A/S
2022409574	DANFOSS A/S
2022409575	DANFOSS A/S
2022409578	DANFOSS A/S
2022409580	DANFOSS A/S
2022410316	DANFOSS A/S
2022416796	DANFOSS A/S
2022419730	BEIJING GOLDWIND SCIENCE & CREATION WIND- POWER EQUIPMENT CO., LTD.
2022428222	BEIJING GOLDWIND SCIENCE & CREATION WIND- POWER EQUIPMENT CO., LTD.
2022431082	MCT CARDS & TECHNOLOGY PRIVATE LIMITED
2022439610	NEOL COPPER TECHNOLOGIES LTD
2022450393	DOYNOV, P.
2022461855	GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
2022463053	PUNING GUANGYE ENVIRONMENTAL PROTECTION ENERGY CO., LTD.; GUANGDONG UNIVERSITY OF TECHNOLOGY; GUANGDONG GUANGYE INVEST- MENT GROUP CO., LTD.
2022466589	GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
2023206860	SEA6 ENERGY PVT. LTD.
2023207383	HANGZHOU SINO EAGLE YACHT CO., LTD.
2023208592	LG ENERGY SOLUTION, LTD.
2023214880	SEA6 ENERGY PVT. LTD.
2023218297	STRANG, A.
2023219871	GWEIKE TECH CO., LTD.
2023263008	LG CHEM, LTD.

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A01C 7 /- 2022320987 2022366291	A01N 59 /- 2022294282 2022306143	A23P 10 /- 2022318156	A47L 7 /- 2022306644	A61F 9 /- 2022320538 2022337080	A61K 33 /- 2022294100
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2022331944 2022332303	<u>A61L 15/-</u>	2022315523	<u>A61P 3/-</u>	<u>A61P 39/-</u>	2022309437
<u>A61K 45/-</u>	2022294282	<u>A61N 5/-</u>	2022292999 2022297983 2022298603 2022298654 2022300061 2022308952 2022309416 2022310353 2022320869 2022321506 2022327461	2022308198 2022309928	<u>B01F 35/-</u> 2022309106
2021451307 2022312506 2022315305 2022318635 2022322310 2022325498 2022328698	<u>A61L 2/-</u>	2022311870	<u>A61P 1/-</u>	<u>A61P 43/-</u>	<u>B01J 13/-</u> 2022318869
<u>A61K 47/-</u>	<u>A61L 26/-</u>	2022292185 2022293611 2022298654 2022301429 2022302375 2022312870	2022292185 2022294274 2022296767 2022305809 2022307811 2022313322 2022314791 2022316237 2022323465 2022328698	2022296767 2022297983 2022312506 2022327461	<u>B01J 20/-</u> 2022291929 2022303621
2021463815 2022291691 2022294274 2022297600 2022297983 2022303454 2022306065 2022306145 2022309285 2022309416 2022309612 2022310525 2022312870 2022316425 2022317048 2022320553 2022322310 2022323090 2022325498 2022335541	<u>A61L 27/-</u>	<u>A61P 11/-</u>	<u>A61P 31/-</u>	<u>A61Q 17/-</u>	<u>B01J 23/-</u> 2022314790
<u>A61K 48/-</u>	2022313055 2022317280	2022296767 2022316237	2022292185 2022294274 2022296767 2022305809 2022307811 2022313322 2022314791 2022316237 2022323465 2022328698	2022328657	<u>B01L 3/-</u> 2022309106
2022306307 2022307365 2022309416 2022312026	<u>A61L 29/-</u>	<u>A61P 13/-</u>	<u>A61P 35/-</u>	<u>A61Q 5/-</u>	<u>B02C 13/-</u> 2022296184
<u>A61K 51/-</u>	2022315139	2022301429	2021451307 2022291982 2022292697 2022293208 2022293871 2022294861 2022296767 2022298654 2022298820 2022299282 2022301381 2022304582 2022306145 2022308094 2022310182 2022310516 2022310862 2022312026 2022312332 2022315305 2022316425 2022318635 2022320553 2022320793 2022324711 2022325498 2022328137 2022331944 2022334511 2022359801	2022306136 2022297808	<u>B02C 17/-</u> 2021462235
<u>A61K 8/-</u>	<u>A61M 1/-</u>	<u>A61P 17/-</u>	<u>A61P 37/-</u>	<u>A63B 5/-</u>	<u>B02C 19/-</u> 2022297021
2022301429 2022303454 2022306136 2022309285 2022317542 2022328657	2022291929 2022319110	2022296767 2022296767 2022297808	2022291844	2022297808	<u>B02C 2/-</u> 2022299643
<u>A61K 9/-</u>	<u>A61M 11/-</u>	<u>A61P 19/-</u>	<u>A63B 69/-</u>	<u>A63B 57/-</u>	<u>B02C 23/-</u> 2021453495 2022296184 2022297021
2021463815 2022292092 2022294274 2022297458 2022303454 2022309285 2022309612 2022312506 2022312870 2022316152 2022323465 2022342266	<u>A61M 13/-</u>	<u>A61P 21/-</u>	<u>A63F 13/-</u>	2022315202	<u>B01D 11/-</u> 2022299643
<u>A61K 9/-</u>	<u>A61M 16/-</u>	<u>A61P 23/-</u>	<u>A63K 3/-</u>	<u>B01D 46/-</u>	<u>B03B 5/-</u> 2021453495
2021463815 2022292092 2022294274 2022297458 2022303454 2022309285 2022309612 2022312506 2022312870 2022316152 2022323465 2022342266	2022295553 2022318994 2022320689	2022291783 2022294095 2022306307	2022297808	2022296184 2022303280	<u>B03B 7/-</u> 2021453495
<u>A61K 8/-</u>	<u>A61M 25/-</u>	<u>A61P 25/-</u>	<u>B01D 53/-</u>	<u>B01D 11/-</u>	<u>B02C 4/-</u> 2022299643
2022301429 2022303454 2022306136 2022309285 2022317542 2022328657	2022318994 2022320689 2022320788 2022331238	2022293611 2022294022 2022294095 2022301410 2022305119 2022309928 2022310081 2022311958 2022316152 2022316237 2022317048 2022327657 2022332303 2022342266	2021450831 2021450886 2021451048 2021451457 2021451772 2022294430 2022304981 2022323291	2022321046	<u>B03C 1/-</u> 2021453495
<u>A61K 9/-</u>	<u>A61M 35/-</u>	<u>A61P 27/-</u>	<u>B01D 11/-</u>	<u>B01D 46/-</u>	<u>B03B 9/-</u> 2021461615
2021463815 2022292092 2022294274 2022297458 2022303454 2022309285 2022309612 2022312506 2022312870 2022316152 2022323465 2022342266	2022295553	<u>A61P 29/-</u>	<u>B01D 53/-</u>	<u>B01D 11/-</u>	<u>B09B 3/-</u> 2020387684 2022296184 2022320086
<u>A61K 9/-</u>	<u>A61M 39/-</u>	<u>A61P 29/-</u>	<u>B01F 25/-</u>	<u>B01D 27/-</u>	<u>B09B 5/-</u> 2022320086
2021463815 2022292092 2022294274 2022297458 2022303454 2022309285 2022309612 2022312506 2022312870 2022316152 2022323465 2022342266	2022325056 2022329929	2022293611 2022296767 2022309612 2022310182 2022313345 2022317048	2022294274 2022296692 2022296767 2022301381 2022309469 2022310182 2022320553 2022331944 2022351495	2022309106 2022309106	<u>B01F 33/-</u> 2022309106

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<u>B22C 1 /-</u>	<u>B60N 2 /-</u>	<u>B65B 41 /-</u>	<u>B65G 1 /-</u>	<u>B82Y 5 /-</u>	<u>C03C 3 /-</u>
2022310919	2022294143	2022324696	2021458494	2022310525	2022314255
<u>B23K 26 /-</u>	<u>B60P 1 /-</u>	<u>B65B 5 /-</u>	2022310121	<u>C01B 25 /-</u>	2022315009
2023219871	2022315142	2022317286	2022313503	2022317280	2022315855
<u>B23K 37 /-</u>	<u>B60R 9 /-</u>	2022320943	2022314179	<u>C04B 28 /-</u>	<u>C04B 28 /-</u>
2023219871	2021463092	<u>B65B 55 /-</u>	2022315504	<u>C01B 3 /-</u>	2022310924
<u>B24B 1 /-</u>	2022320519	2022314179	2022316336	<u>C01B 3 /-</u>	<u>C05G 3 /-</u>
2022323290	<u>B60W 30 /-</u>	2022315504	<u>B65H 1 /-</u>	2021450831	2022306143
<u>B24B 13 /-</u>	2021456002	2022316336	2022320805	2021451048	<u>C05G 5 /-</u>
2022323290	<u>B65B 57 /-</u>	<u>B65B 57 /-</u>	<u>B65H 23 /-</u>	2021451457	2022403763
<u>B24B 57 /-</u>	<u>B60W 60 /-</u>	2022324696	2022324696	2021451772	<u>C07B 59 /-</u>
2022323290	2021456002	<u>B65B 9 /-</u>	<u>B65H 3 /-</u>	2022294430	2022294022
<u>B24B 57 /-</u>	<u>B61L 15 /-</u>	2022324696	2022320805	2022303621	2022323741
2022323290	2022310133	<u>B65C 3 /-</u>	<u>B65H 49 /-</u>	2022324914	<u>C07C 1 /-</u>
<u>B25B 28 /-</u>	<u>B61L 23 /-</u>	2022309253	2022325907	<u>C01B 33 /-</u>	2022292697
2022325907	2022310133	<u>B65D 1 /-</u>	<u>B65H 51 /-</u>	2022310924	2022294430
<u>B25C 5 /-</u>	<u>B61L 25 /-</u>	2022293571	2022325907	<u>C01C 1 /-</u>	<u>C07C 11 /-</u>
2022336988	2022310133	2022311761	<u>B65H 54 /-</u>	2021450831	2022294430
<u>B25J 15 /-</u>	<u>B61L 27 /-</u>	<u>B65D 19 /-</u>	2023214880	2021450886	<u>C07C 15 /-</u>
2022325907	2022310133	2022342204	<u>B65H 57 /-</u>	<u>C02F 1 /-</u>	2022294430
<u>B29B 17 /-</u>	2022312793	<u>B65D 25 /-</u>	2022325907	2022309374	<u>C07C 211 /-</u>
2022296184	<u>B61L 3 /-</u>	2022325519	<u>B65H 59 /-</u>	2022319801	2022306065
2022320086	2022310133	<u>B65D 27 /-</u>	2022325907	<u>C02F 101 /-</u>	2022310353
<u>B29C 45 /-</u>	<u>B62J 7 /-</u>	2022294688	<u>B65H 7 /-</u>	2022319801	<u>C07C 233 /-</u>
2022325519	2022320519	<u>B65D 33 /-</u>	2022320805	<u>C02F 103 /-</u>	2022296767
<u>B32B 5 /-</u>	<u>B63B 23 /-</u>	2022310338	<u>B65H 75 /-</u>	2022309374	2022297983
2022314255	2023207383	2022325519	2021467429	2022319801	<u>C07C 237 /-</u>
2022315009	<u>B63B 27 /-</u>	<u>B65D 47 /-</u>	<u>B66B 23 /-</u>	2022319801	<u>C07C 255 /-</u>
2022315855	2022318270	2022315557	2022314134	<u>C02F 9 /-</u>	2022325137
<u>B42D 25 /-</u>	<u>B63C 11 /-</u>	2022325519	<u>B67D 7 /-</u>	2022304821	<u>C07C 271 /-</u>
2022296846	2022325907	<u>B65D 5 /-</u>	2022315557	<u>C03B 37 /-</u>	2022297983
<u>B44D 3 /-</u>	<u>B64C 39 /-</u>	<u>B65D 79 /-</u>	2022325132	2022314255	<u>C07C 275 /-</u>
2022315487	2022325175	2022311761	<u>B67D 9 /-</u>	2022315009	2022297983
<u>B60L 1 /-</u>	<u>B64D 47 /-</u>	<u>B65D 81 /-</u>	2022303647	2022315855	2022297983
2022303280	2022325175	2022293571	<u>B82Y 20 /-</u>	<u>C03C 13 /-</u>	<u>C07C 279 /-</u>
<u>B60L 53 /-</u>	<u>B64F 1 /-</u>	2022294688	2022324914	2022314255	2022297983
2022303166	2022315633	2022310924	<u>B82Y 30 /-</u>	2022315009	<u>C07C 309 /-</u>
2022316043	<u>B65B 3 /-</u>	2022311328	2022324914	2022315855	2022296767
2022318298	2022314179	<u>B65F 1 /-</u>	<u>B82Y 40 /-</u>	<u>C03C 25 /-</u>	<u>C07C 311 /-</u>
2022339728	2022315504	2022294158	2022324914	2022315855	2022305809
<u>B60L 58 /-</u>	2022316336	<u>B65F 5 /-</u>			
2022339728		2022294158			

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<u>C07C 317 /-</u>	<u>C07D 295 /-</u>		2022310862	<u>C08L 15 /-</u>	<u>C10M 101 /-</u>
2022293871	2022304821	<u>C07D 491 /-</u>	2022313322	2021464660	2022326812
		2022294861	2022314036		
<u>C07C 323 /-</u>	<u>C07D 307 /-</u>	2022313576	2022316425	<u>C08L 67 /-</u>	<u>C10M 129 /-</u>
2022297983	2022293611	<u>C07D 519 /-</u>	2022324711	2023263008	2022439610
		2022330347	2022325498		
<u>C07C 49 /-</u>	<u>C07D 333 /-</u>	2022328137	2022331944	<u>C09C 1 /-</u>	<u>C10M 133 /-</u>
2022311958	2022293611	<u>C07F 7 /-</u>	2022332303	2022325815	2022439610
		2022335541	2022335541		
<u>C07C 51 /-</u>	<u>C07D 401 /-</u>	2022323741	<u>C07K 19 /-</u>	<u>C09C 3 /-</u>	<u>C10M 169 /-</u>
2022296767	2022293208	<u>C07F 9 /-</u>	2022298470	2022325815	2022439610
	2022310182	2022317048	2022301381		
<u>C07C 67 /-</u>	2022312332	2022321046	2022306337	<u>C09D 17 /-</u>	<u>C11B 1 /-</u>
2022295015	2022327657	2022328698	2022320553	2022309437	2022306095
	<u>C07D 403 /-</u>		<u>C07K 5 /-</u>		
<u>C07C 9 /-</u>	2022334511	<u>C07H 19 /-</u>	2022306065	<u>C09D 5 /-</u>	<u>C11B 15 /-</u>
2022294430	2022335669	2022291783	2022316237	2022309437	2022318156
		2022308807			
<u>C07D 201 /-</u>	<u>C07D 405 /-</u>	<u>C07H 21 /-</u>	<u>C07K 7 /-</u>	<u>C09D 7 /-</u>	<u>C11D 1 /-</u>
2022318635	2022293611	2022298641	2022305120	2022309437	2022315593
	2022321506	2022323090	2022308094		2022321954
<u>C07D 205 /-</u>	2022327657		2022316237	<u>C09K 11 /-</u>	
2022305809	<u>C07D 407 /-</u>	<u>C07H 5 /-</u>	2022325715	2022314790	<u>C11D 11 /-</u>
	2022321506	2022306065	2022331944	2022324914	2022321954
<u>C07D 207 /-</u>			<u>C08F 226 /-</u>	<u>C09K 5 /-</u>	<u>C11D 17 /-</u>
2022293611	<u>C07D 409 /-</u>	<u>C07K 1 /-</u>	2022301328	2022311328	2022315593
2022296767	2022293611	2022291929	<u>C08G 18 /-</u>		
2022297983			2022314164	<u>C09K 8 /-</u>	<u>C11D 3 /-</u>
<u>C07D 209 /-</u>	<u>C07D 413 /-</u>	<u>C07K 14 /-</u>		2021464660	2022315593
2022321046	2022323303	2022291929	<u>C08G 63 /-</u>	2022326812	2022318869
	2022327461	2022298470	2022297600	2022364611	2022321954
<u>C07D 213 /-</u>	2022353248	2022300061	2022313055	2022378365	
2022325137	<u>C07D 417 /-</u>	2022305119	2022313055	<u>C10B 53 /-</u>	<u>C12M 1 /-</u>
2022327657	2022293611	2022306307	2023263008	2020387684	2022305101
	2022298654	2022306850	<u>C08G 65 /-</u>		2022314179
<u>C07D 231 /-</u>	2022323303	2022307365	2022313055	<u>C10G 2 /-</u>	2022315504
2022293611	<u>C07D 451 /-</u>	2022307811	2022314164	2022294430	2022316336
2022336652	2022318635	2022308056	<u>C08J 11 /-</u>		<u>C12N 1 /-</u>
<u>C07D 233 /-</u>		2022310862	2022295015	<u>C10G 29 /-</u>	2022306095
2022293611	<u>C07D 471 /-</u>	2022313321	2022296184	2022306927	2022306337
	2022318635	2022314790	2022309300	2022308105	2022307811
<u>C07D 249 /-</u>		2022314997	<u>C08J 3 /-</u>		
2022293611	<u>C07D 475 /-</u>	2022320553	2022294282	<u>C10G 47 /-</u>	<u>C12N 15 /-</u>
2022297983	2022293208	2022320793		2022306927	2021451307
	2022298654	2022324711	<u>C08K 3 /-</u>	2022308105	2022291982
<u>C07D 261 /-</u>	2022327657	2022331944	2022309437		2022292164
2022351495	2022328137	2022333289	<u>C08K 5 /-</u>	<u>C10G 67 /-</u>	2022296692
2022359801	2022351495	<u>C07K 16 /-</u>	2023263008	2022306927	2022296798
	2022359801	2021451307		2022308105	2022297983
<u>C07D 263 /-</u>	<u>C07D 487 /-</u>	2022291982	<u>C08K 9 /-</u>		2022298470
2022293611	2022300058	2022294100	2022309437	<u>C10L 1 /-</u>	2022298603
2022321046		2022294861	2023263008	2022314249	2022298641
2022353248		2022297983			2022301381
		2022299282	<u>C08K 5 /-</u>	<u>C10L 10 /-</u>	2022305101
<u>C07D 277 /-</u>		2022301381	2022309437	2022314249	2022305356
2022327461		2022301422	2022325815		2022306307
		2022304582			2022306337
<u>C07D 277 /-</u>		2022306307			2022306850
2022293611		2022306337			2022307365
		2022309469			2022308056

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2022308807		<u>C25D 5 /-</u>	<u>E05B 3 /-</u>	<u>F02P 17 /-</u>	
2022308843	<u>C22B 59 /-</u>				<u>F16L 23 /-</u>
2022309416		2022293579	2022319722	2022306442	
2022310516	2022314790				2022303647
2022310525		<u>C40B 30 /-</u>	<u>E05B 65 /-</u>	<u>F02P 3 /-</u>	
2022313321	<u>C22B 60 /-</u>				<u>F16L 37 /-</u>
2022313322		2022314791	2022319722	2022306442	
2022313698	2022314790				2022303647
2022314791		<u>D01F 13 /-</u>	<u>E05B 83 /-</u>	<u>F03D 15 /-</u>	
2022320553	<u>C22B 7 /-</u>				<u>F16L 43 /-</u>
2022323090		2022304821	2022319722	2022401404	
2022325054	2022314238				2022303647
2022325715	<u>C22C 23 /-</u>	<u>D04C 3 /-</u>	<u>E05D 15 /-</u>	<u>F03D 3 /-</u>	
2022331944					<u>F16L 55 /-</u>
2022333289	2022326236	2023214880	2022235508	2022294765	
		<u>D04C 7 /-</u>	<u>E21B 17 /-</u>	<u>F03D 7 /-</u>	2021461615
<u>C12N 5 /-</u>	<u>C22C 27 /-</u>				<u>F17C 13 /-</u>
		2023214880	2021467429	2022294765	
2021451307	2022291934		2022297661	2022419730	2022315500
2022291982		<u>D06B 23 /-</u>		2022428222	
2022296692	<u>C22F 1 /-</u>		<u>E21B 19 /-</u>	2022466589	<u>F22B 3 /-</u>
2022299184		2022463053			
2022305356	2022326236		2021467429	<u>F03D 80 /-</u>	2022463053
2022310862		<u>D06C 7 /-</u>			
2022311934	<u>C23C 4 /-</u>		<u>E21B 21 /-</u>	2022461855	<u>F22G 5 /-</u>
2022331944		2022463053			
	2022291934		2021466980	<u>F04B 39 /-</u>	2022463053
<u>C12N 7 /-</u>	<u>C25B 1 /-</u>	<u>D21H 17 /-</u>	<u>E21B 23 /-</u>	2022323291	<u>F23B 20 /-</u>
2022308056	2022314238	2022301328			
2022312026	2022358423	<u>D21H 27 /-</u>	2021458483	<u>F15B 11 /-</u>	2020387684
	2022409572		2021472508		
<u>C12N 9 /-</u>	2022409574	2022299328		2022315142	<u>F23G 5 /-</u>
	2022409575		<u>E21B 33 /-</u>		
2022308094	2022409578	<u>E01C 13 /-</u>	2021472508	<u>F15B 21 /-</u>	2020387684
2022309300	2022409580		2022301470	2022315142	<u>F23G 7 /-</u>
2022313321	2022410316	2022324973	2022305104		
2022313698	2022416796	2022340444	2022364611	<u>F16B 17 /-</u>	2020387684
2022314791			2022378365		
2022316227	<u>C25B 11 /-</u>	<u>E02D 5 /-</u>		2022319178	<u>F24F 3 /-</u>
			<u>E21B 34 /-</u>	2023218297	
<u>C12P 19 /-</u>	2022416796	2022321039			2022314179
			2021468979	<u>F16B 35 /-</u>	2022315504
2022305101	<u>C25B 15 /-</u>	<u>E03C 1 /-</u>		2023218297	2022316336
			<u>E21B 41 /-</u>		2022332538
<u>C12P 21 /-</u>		2022294158	2021472508	<u>F16B 39 /-</u>	<u>F24H 15 /-</u>
	2022409572	2022307673			
2022306337	2022409575		2021472508		
	2022409578	<u>E03F 3 /-</u>		2023218297	2022379735
<u>C12P 7 /-</u>	2022409580		<u>E21B 43 /-</u>		
	2022410316	2022294158		<u>F16B 5 /-</u>	<u>F24H 6 /-</u>
2022306095	2022416796		2021458483	2022319178	2022379735
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	2022314642	2022401404	G06T 3 /-	G09F 9 /-	2023208592
G01B 9 /-	2022314790		2021457568	2022308277	H01M 8 /-
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G01C 21 /-	2022379602	2022316208	G06T 5 /-	2022338218	2022315507
2021303477		2022338218	2022309204		2022339728
	2022325175	G06F 40 /-		G09F 9 /-	
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2022334249	2022327115	2022327116
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	2022313672	2022314733
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C10L 10/16 (2006.01)
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A61P 11/00 (2006.01)
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A61B 42/10 (2016.01)
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B60L 58/10 (2019.01)
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B28D 1/18 (2006.01)
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G06G 7/48 (2006.01)
E21B 49/00 (2006.01)
G01V 1/30 (2006.01)
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C12N 9/22 (2006.01)
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C12N 15/52 (2006.01)
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H04W 72/12 (2023.01)
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A61P 13/12 (2006.01)
A61P 15/00 (2006.01)
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C12Q 1/6895 (2018.01)
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A61B 17/3211 (2006.01)
A61B 90/00 (2016.01)
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C07C 229/08 (2006.01)
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B62D 7/04 (2006.01)

B61F 5/52 (2006.01)
B61G 1/28 (2006.01)
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F04B 39/12 (2006.01)
F16L 13/007 (2006.01)
F16L 13/08 (2006.01)
F25B 41/00 (2021.01)
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E04F 13/07 (2006.01)
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G06F 21/62 (2013.01)
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F28G 15/00 (2006.01)
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C09K 8/58 (2006.01)
C11D 7/50 (2006.01)
C11D 11/00 (2006.01)
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F03B 13/14 (2006.01)
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G06V 10/764 (2022.01)
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C07J 5/00 (2006.01)
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C07D 405/12 (2006.01)
A61K 31/4155 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/55 (2006.01)
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G06N 3/04 (2006.01)

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B63B 34/23 (2020.01)
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A23L 5/43 (2016.01)
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 BOTELLA, Gabriel; HARRISON, Boyd
 L.; GRIFFIN, Andrew; LA, Daniel
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C07J 9/00 (2006.01)
A61K 31/575 (2006.01)
A61P 25/28 (2006.01)
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 ROBICHAUD, Albert J.; MARTINEZ
 BOTELLA, Gabriel; HARRISON, Boyd
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 3-Wire And 4-Wire 3-Phase Active Har-
 monic Filters
(51) Int. Cl.
G05F 1/70 (2006.01)
G01R 31/28 (2006.01)
H02H 3/10 (2006.01)
H02H 3/13 (2006.01)
H02H 9/02 (2006.01)
H02J 3/01 (2006.01)
H02J 3/18 (2006.01)
H02J 3/26 (2006.01)
H02M 1/12 (2006.01)
H02M 1/42 (2007.01)
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 for directing air flow, and methods for
 controlling surface temperature of same
(51) Int. Cl.
A47C 27/06 (2006.01)
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A47C 27/12 (2006.01)
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A61K 39/395 (2006.01)
C12N 5/0781 (2010.01)
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C12N 5/10 (2006.01)
C12N 15/12 (2006.01)

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 Co., Ltd.**
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 LTD.; ZHEJIANG JINKO SOLAR CO.,
 LTD.
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 PARING SAME AND SOLAR CELL
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H01L 31/0232 (2014.01)
H01L 31/0216 (2014.01)
H01L 31/18 (2006.01)
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 Shanghai SIMRD Biotechnology Co.,
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 ives, preparation method thereof, phar-
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C07D 487/04 (2006.01)
A61K 31/502 (2006.01)
A61K 31/5377 (2006.01)
A61P 9/00 (2006.01)
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 TION
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C10L 1/02 (2006.01)
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C10L 1/19 (2006.01)
C10L 10/04 (2006.01)
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A61F 2/28 (2006.01)
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C04B 35/584 (2006.01)
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A23C 11/02 (2006.01)
A23C 11/08 (2006.01)
A23C 11/10 (2006.01)
A23L 9/20 (2016.01)
A23L 29/10 (2016.01)
A23L 33/115 (2016.01)
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G10L 21/04 (2013.01)
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H03M 7/30 (2006.01)

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E03F 5/10 (2006.01)
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 (74) Baxter Patent Attorneys Pty Ltd

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G01S 19/07 (2010.01)
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G09F 9/302 (2006.01)

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A01N 43/54 (2006.01)
C07D 239/54 (2006.01)
C07D 401/12 (2006.01)
C07D 403/12 (2006.01)
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C07D 401/12 (2006.01)
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A61K 8/49 (2006.01)
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A61Q 11/00 (2006.01)
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C07D 207/16 (2006.01)
A61K 31/401 (2006.01)
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B65D 83/14 (2006.01)
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F25C 1/00 (2006.01)
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B21D 5/04 (2006.01)
B21D 43/18 (2006.01)
B65H 3/08 (2006.01)
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(11) AU-B-2022228118
(21) 2022228118 **(22)** 25.05.2022

(54) Gripper device using air-tube
(51) Int. Cl.
B65B 35/16 (2006.01)
B25J 15/00 (2006.01)
B65G 47/90 (2006.01)
(87) WO2023/075054
(31) 10-2021-0143167 **(32)** 26.10.21 **(33)** KR
(43) 11.05.2023
(44) 01.02.2024
(72) CHO, Ho-Young
(74) Halfords IP

(71) Wake Forest University Health Sciences
(11) AU-B-2017306548
(21) 2017306548 **(22)** 03.08.2017
(54) Cancer modeling platforms and methods of using the same
(51) Int. Cl.
C12N 5/071 (2010.01)
C12M 1/12 (2006.01)
C12M 3/06 (2006.01)
(87) WO2018/027023
(31) 62/370,320 **(32)** 03.08.16 **(33)** US
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(43) 08.02.2018
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(72) Skardal, Aleksander; Votanopoulos, Konstantinos
(74) FPA Patent Attorneys Pty Ltd

(71) WATTS REGULATOR CO.
(11) AU-B-2021328510
(21) 2021328510 **(22)** 16.08.2021
(54) Backflow prevention assembly having a cartridge with dual zone testing
(51) Int. Cl.
E03B 7/07 (2006.01)
E03C 1/10 (2006.01)
F16K 15/06 (2006.01)
(87) WO2022/040071
(31) 63/066,411 **(32)** 17.08.20 **(33)** US
(43) 24.02.2022
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(72) BOUCHARD, Peter P.
(74) Griffith Hack

(71) WATTS REGULATOR CO.
(11) AU-B-2021394753
(21) 2021394753 **(22)** 08.12.2021
(54) FLUID DETECTION SYSTEMS AND METHODS USING THE SAME
(51) Int. Cl.
G01M 3/16 (2006.01)
E03B 7/07 (2006.01)
G01M 3/18 (2006.01)
(87) WO2022/125618
(31) 17/115,682 **(32)** 08.12.20 **(33)** US
(43) 16.06.2022
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(72) CASTRIGNO, Steven; ERHARDT, James; KRAUSE, Christopher
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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(71) WERRTA GmbH Düsen- und Zerstäubungstechnik
 (11) AU-B-2020220440
 (21) 2020220440 (22) 13.02.2020
 (54) Portable device for administering a physiologically active liquid
 (51) Int. Cl.
A61M 11/00 (2006.01)
A24F 42/20 (2020.01)
A61M 15/06 (2006.01)
B05B 1/26 (2006.01)
A61F 9/00 (2006.01)
A61M 16/08 (2006.01)
B05B 1/02 (2006.01)
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 (72) RENTSCH, Rüdiger; ETZOLD, Mathias
 (74) FB Rice Pty Ltd

(71) Willingdon Properties Pty Ltd
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 (21) 2022224817 (22) 01.09.2022
 (54) An improved hoist pivot arrangement for a dump truck
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B60P 1/28 (2006.01)
B62D 33/00 (2006.01)
 (43) 29.09.2022
 (44) 01.02.2024
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 (72) PETRIE, Mark
 (74) Spruson & Ferguson

(71) Winfield Solutions, LLC
 (11) AU-B-2018329183
 (21) 2018329183 (22) 10.09.2018
 (54) Flow diverting wind tunnel
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G01M 9/02 (2006.01)
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 (72) HAMBLETON, William; BISSELL, Daniel C.
 (74) FPA Patent Attorneys Pty Ltd

(71) Wissner-Bosserhoff GmbH
 (11) AU-B-2018204609
 (21) 2018204609 (22) 25.06.2018
 (54) Bed having a control system comprising a control unit and a control unit having interfaces for a wireless transmission of control signals
 (51) Int. Cl.
A61G 7/018 (2006.01)
A61G 7/05 (2006.01)
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 (72) Makroum, Kheir Eddine; Bönemann, Burkhard; Bernal, Carlos
 (74) FPA Patent Attorneys Pty Ltd

(71) Worldwide Oilfield Machine, Inc.
 (11) AU-B-2021207453
 (21) 2021207453 (22) 12.01.2021
 (54) Gate valve
 (51) Int. Cl.
F16K 3/02 (2006.01)
F16J 15/16 (2006.01)
F16K 3/312 (2006.01)
 (87) WO2021/146178
 (31) 62/961,452 (32) 15.01.20 (33) US
 62/981,165 25.02.20 US
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 (43) 22.07.2021
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 (72) KALIMUTHU, Anand
 (74) Spruson & Ferguson

(71) WWT North America Holdings, Inc.
 (11) AU-B-2020417743
 (21) 2020417743 (22) 22.12.2020
 (54) Downhole active torque control method
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E21B 44/04 (2006.01)
E21B 3/00 (2006.01)
E21B 21/08 (2006.01)
E21B 44/00 (2006.01)
E21B 44/02 (2006.01)
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 17/124,271 16.12.20 US
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 (72) MOORE, Norman Bruce; KRUEGER V, Rudolph Ernst; MOCK, Philip, Wayne; KRUEGER IV, Rudolph Ernst
 (74) FB Rice Pty Ltd

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 (54) Precipitation resistant small molecule drug formulations
 (51) Int. Cl.
A61K 9/00 (2006.01)
A61K 9/08 (2006.01)
A61K 31/5513 (2006.01)
A61K 47/14 (2017.01)
A61K 47/16 (2006.01)
A61K 47/20 (2006.01)
A61K 47/22 (2006.01)
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 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (51) Int. Cl.
F04D 29/16 (2006.01)
F04D 1/06 (2006.01)
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 (21) 2018279644 (22) 08.06.2018
 (54) Insulating device
 (51) Int. Cl.
B65D 81/38 (2006.01)
 (87) WO2018/227047
 (31) 62/517,490 (32) 09.06.17 (33) US
 (43) 13.12.2018
 (44) 01.02.2024
 (72) Sonntag, James William; Barbieri, Scott
 (74) GLMR

(71) Yield10 Bioscience, Inc.
 (11) AU-B-2020274996
 (21) 2020274996 (22) 13.05.2020
 (54) Modified plants comprising a polynucleotide comprising a non-cognate promoter operably linked to a coding sequence that encodes a transcription factor
 (51) Int. Cl.
C12N 15/82 (2006.01)
C07K 14/415 (2006.01)
C12N 9/12 (2006.01)
 (87) WO2020/232138
 (31) 62/873,018 (32) 11.07.19 (33) US
 62/847,658 14.05.19 US
 (43) 19.11.2020
 (44) 01.02.2024
 (72) AMBAVARAM, Madana M.R.; BOL-LINA, Venkatesh; SKRALY, Frank Anthony; MALIK, Meghna; SNELL, Kristi, D.
 (74) AJ PARK

(71) Zebra Technologies Corporation
 (11) AU-B-2021282277
 (21) 2021282277 (22) 27.05.2021
 (54) Barcode readers with 3D camera(s)
 (51) Int. Cl.
G06K 19/06 (2006.01)
G06K 7/10 (2006.01)
 (87) WO2021/242959
 (31) 16/888,273 (32) 29.05.20 (33) US
 (43) 02.12.2021
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 (72) ASTVATSATUROV, Yuri; HANDSHAW, Darran Michael; BARKAN, Edward; DRZYMALA, Mark
 (74) Spruson & Ferguson

(71) ZHEJIANG JINKO SOLAR CO., LTD.; JINKO SOLAR CO., LTD.
 (11) AU-B-2022206830
 (21) 2022206830 (22) 22.07.2022
 (54) SOLAR CELL AND PRODUCTION METHOD THEREOF, PHOTOVOLTAIC MODULE
 (51) Int. Cl.
H01L 31/0352 (2006.01)
H01L 31/068 (2012.01)

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H01L 31/18 (2006.01)
(31) CN **(32)** 10.06.22 **(33)** CN **(44)** 01.02.2024
 202210656583.8 **(72)** ZHANG, Shujuan; LU, Zhaohua;
(43) 04.01.2024 WANG, Jianwei; GAO, Bo; JIANG,
(44) 01.02.2024 Chuangxin; HE, Zhen
(72) WANG, Zhao; YANG, Jie; SHEN, **(74)** GLMR
 Mengchao; WANG, Lipeng
(74) AUSTRALASIA IP PTY LTD

ZHEJIANG JINKO SOLAR CO., LTD. see
JINKO SOLAR (HAINING) CO., LTD.
(21) 2022279531

ZHEJIANG JINKO SOLAR CO., LTD. see
SHANGHAI JINKO GREEN ENERGY EN-
TERPRISE MANAGEMENT CO., LTD.
(21) 2022291584

(71) Zipair
(11) AU-B-2020286984
(21) 2020286984 **(22)** 08.06.2020
(54) Thrust group for a propulsion device
 and associated propulsion device
(51) Int. Cl.
F02K 1/00 (2006.01)
B64C 39/02 (2006.01)
F02K 1/60 (2006.01)
(87) WO2020/245553
(31) 62/858,705 **(32)** 07.06.19 **(33)** US
 PCT/ 02.01.20 FR
 FR2020/050002
(43) 10.12.2020
(44) 01.02.2024
(72) ZAPATA, Frankie
(74) FB Rice Pty Ltd

(71) ZTE Corporation
(11) AU-B-2019460048
(21) 2019460048 **(22)** 08.08.2019
(54) Feedback channel allocation and trans-
 mission method and device
(51) Int. Cl.
H04W 72/04 (2009.01)
(87) WO2021/022551
(43) 11.02.2021
(44) 01.02.2024
(72) XING, Weimin; ZHANG, Boyuan; LU,
 Youxiong; YANG, Jin
(74) Spruson & Ferguson

(71) ZTE Corporation
(11) AU-B-2020378138
(21) 2020378138 **(22)** 06.11.2020
(54) Method and apparatus for determining
 information, method and apparatus for
 determining corresponding relationship,
 device, and storage medium
(51) Int. Cl.
H04W 24/04 (2009.01)
H04W 72/04 (2009.01)
(87) WO2021/088963
(31) 201911083769.3 **(32)** 07.11.19 **(33)** CN
(43) 14.05.2021

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2016267579	Neurotech USA, Inc.	2018247841	FLSmith A/S
2016369485	Akamis Bio Limited	2018249695	Givaudan SA
2017204241	Criterion Industries Pty Ltd	2018261338	Corteva Agriscience LLC
2017206656	NeoTX Therapeutics Ltd.	2018264142	The Boeing Company
2017208347	Fahri, T.	2018266324	Regeneron Pharmaceuticals, Inc.
2017213835	MeiraGTx UK II Limited	2018269008	University of Cincinnati
2017214678	Plasma Technologies, LLC	2018271371	The Boeing Company
2017214761	EpiAxis Therapeutics Pty Ltd	2018275244	Reil, G.
2017215869	Rigshospitalet; University of Copenhagen	2018275686	Xeris Pharmaceuticals, Inc.
2017222402	The Binding Site Group Limited	2018279644	YETI Coolers, LLC
2017269968	Allegheny-Singer Research Institute; Research Institute at Nationwide Children's Hospital	2018284081	Kimberly-Clark Worldwide, Inc.
2017285763	Chugai Seiyaku Kabushiki Kaisha	2018284084	Oerlikon Metco (US) Inc.
2017292936	Exuma Biotech, Corp.	2018288387	Universal Biosecurity Limited
2017296094	Argenx Bvba	2018289307	Corcept Therapeutics, Inc.
2017305073	Chugai Seiyaku Kabushiki Kaisha; Jichi Medical University; National Institutes of Biomedical Innovation, Health and Nutrition	2018293578	Sheertex Inc.
2017306548	Wake Forest University Health Sciences	2018293932	South East Water Corporation
2017315769	Resolution Bioscience, Inc.	2018298413	Fresenius Medical Care Deutschland GmbH
2017316255	CTTQ-Akeso (ShangHai) Biomed. Tech. Co., Ltd.	2018299708	Parker-Hannifin Corporation
2017321587	Horizon Global Americas Inc.	2018300513	BPW Bergische Achsen KG
2017330405	Genentech, Inc.	2018307478	Kimberly-Clark Worldwide, Inc.
2017335058	National University Corporation Tottori University; Trans Chromosomics, Inc.	2018307482	Kimberly-Clark Worldwide, Inc.
2017339561	Secarna Pharmaceuticals GmbH & Co. KG	2018308192	Nederlandse Organisatie Voor Toegepast- Natuurwetenschappelijk Onderzoek TNO
2017349494	Mekonos Limited	2018311080	Becton, Dickinson and Company
2017354041	Arrowhead Pharmaceuticals, Inc.	2018311081	Becton, Dickinson and Company
2017365631	c-LEcta GmbH; New Matterhorn, LLC	2018311311	Deltatek Oil Tools Limited
2017367722	Sangamo Therapeutics, Inc.; The General Hospital Corporation	2018311637	ELTA Systems Ltd.
2017378413	Diagnologix, LLC	2018313318	Oldcastle Building Products Canada Inc.
2017380319	N.V. Nutricia	2018314281	OptiPulse Inc.
2017385618	3eflow AB	2018315022	Mexichem Fluor S.A. de C.V.
2017387033	Ji Xing Pharmaceuticals Hong Kong Limited	2018315775	M.E.P. Macchine Elettroniche Piegatrici S.p.A.
2017389983	IKM Ocean Team A/S	2018316705	Perma-Liner Industries, LLC
2017416518	Kimberly-Clark Worldwide, Inc.	2018318209	ADS Services, LLC
2017424706	IDEX Europe GmbH	2018321285	Mudroom Backpacks, Inc.
2017443981	Halliburton Energy Services, Inc.	2018322155	Sumitomo Chemical Company, Limited
2018203454	The Boeing Company	2018322485	Griffith University
2018204609	Wissner-Bosserhoff GmbH	2018325819	Taiho Pharmaceutical Co., Ltd.
2018204778	Opal Packaging Australia Pty Ltd	2018325983	Rothenberger AG
2018205346	Caterpillar Inc.	2018327996	BASF Corporation; BASF SE
2018205426	Calderco Holdings Group, LLC	2018329183	Winfield Solutions, LLC
2018205735	Les Laboratoires Servier; Novartis AG	2018329195	Liftwave, Inc. DBA Rise Robotics
2018207019	Mammoet Holding B.V.	2018335272	Valent BioSciences LLC
2018210139	Monsanto Technology LLC	2018336770	BASF SE
2018212614	Genfit	2018337629	Ecolab USA Inc.
2018212635	Huvepharma Inc.	2018337919	Salts Healthcare Limited
2018214221	Laboratoires KÔL	2018337962	Avery Dennison Retail Information Services LLC; RFID N Print Pty Ltd
2018216076	Sogest	2018340335	Xylem Europe GmbH
2018218792	Ingenieursburo J.K. de Heer	2018342595	MUSC Foundation for Research Development
2018221725	Massachusetts Institute of Technology	2018343995	Dr. Falk Pharma GmbH
2018222221	BASF SE	2018346644	Mix Innovations Ltd
2018222777	Vaximm AG	2018346659	Petróleo Brasileiro S.A. - Petrobras
2018222932	PGS Geophysical AS	2018347638	RxSafe LLC
2018226491	Otis Elevator Company	2018350616	Bayer Aktiengesellschaft
2018226855	DiscGenics, Inc.	2018351088	Anavex Life Sciences Corp.
2018235957	Seattle Children's Hospital (dba Seattle Children's Research Institute)	2018351749	Incus Technology, S.L.
2018239402	Euroteknika	2018352362	Dynamic Biologics Inc.
2018239433	The Jackson Laboratory; Indiana University Research and Technology Corporation	2018352984	Precigen, Inc.
2018240308	Koppers Performance Chemicals Inc.	2018354266	CareFusion 303, Inc.
2018243664	The Board of Trustees of the Leland Stanford Junior University	2018355970	Equinor Energy AS
2018244291	Nanosys, Inc.	2018360256	Societe des Produits Nestle S.A.
2018246928	Nazzer, C.	2018363099	voestalpine Tubulars GmbH & Co KG
		2018363679	Tetra Laval Holdings & Finance S.A.
		2018365755	Meiji Co., Ltd.
		2018366265	Rhodia Operations
		2018366306	DJO, LLC
		2018369039	Fresenius Medical Care Holdings, Inc.
		2018369696	Persica Pharmaceuticals Ltd.

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2018373321	Veolia Water Solutions & Technologies Support	2020227002	Akston Biosciences Corporation
2018379336	Societe des Produits Nestle S.A.	2020227113	Commonwealth Scientific and Industrial Research Organisation; The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.; The State of Queensland, Department of Agriculture, Fisheries and Forestry
2018382540	Mölnlycke Health Care AB		
2018382956	Mölnlycke Health Care AB		
2018385249	Medtronic Minimed, Inc.		
2018385392	Dover Fueling Solutions UK Limited		
2018386841	Thiele GmbH & Co. KG	2020238516	Tata Steel Limited; Sreechem Resin Limited
2018391675	NodThera Limited	2020239058	Colorado State University Research Foundation; University of Adelaide
2018392093	Sage Therapeutics, Inc.		
2018392584	PGS Geophysical AS	2020242794	Suzhou Kanova Biopharmaceutical Co. Ltd.; Beijing Kanova Biopharmaceutical Co., Ltd.
2018393054	Omrix Biopharmaceuticals Ltd.		
2018397717	Energy Innovation Systems Limited	2020247722	ConocoPhillips Company
2018397762	Kimberly-Clark Worldwide, Inc.	2020252034	MedImmune Limited
2018400004	Asahi Breweries, Ltd.; Asahi Group Holdings, Ltd.	2020270494	Ascendis Pharma Endocrinology Division A/S
2018427118	Halliburton Energy Services, Inc.	2020274996	Yield10 Bioscience, Inc.
2019202040	Maor, M.	2020275868	Oru Kayak, Inc
2019209043	LENFERS, A.	2020286984	Zipair
2019213022	Geberit International AG	2020287387	TriAgenics, Inc.
2019213590	NatureWorks LLC	2020294177	Canva Pty Ltd
2019215587	IFP Energies nouvelles	2020295263	L&K Biomed Co., Ltd.
2019217838	The Johns Hopkins University; Duke University	2020295847	Hitachi, Ltd.
2019218177	Jiangsu Hansoh Pharmaceutical Group Co., Ltd.; Shanghai Hansoh Biomedical Co., Ltd.	2020309758	Medigene Immunotherapies GmbH
		2020312373	LG Electronics Inc.
2019222024	Jiangsu Huifeng Bio Agriculture Co., Ltd.	2020312760	Peikko Group Oy
2019226008	Sealy Technology, LLC	2020320149	Komatsu Ltd.
2019226096	Arizona Board of Regents on behalf of Arizona State University	2020323253	Daikin Industries, Ltd.
		2020324398	Google LLC
2019230209	Pliant Therapeutics, Inc.	2020328756	BYD Company Limited
2019230455	Clickstair Pty Ltd	2020330099	Biocompatibles UK Limited; Ramadhyani, S.; Kveen, G.; Natesan, H.
2019230883	Sunshine Lake Pharma Co., Ltd.		
2019233183	Shanghai SIMR Biotechnology Co., Ltd; Shanghai SIMRD Biotechnology Co., Ltd	2020334770	SiNtx Technologies, Inc.
		2020336129	MED-EL Elektromedizinische Geraete GmbH
2019234580	Seattle Children's Hospital (DBA Seattle Children's Research Institute)	2020342648	Tableau Software, Inc.
		2020349451	Novartis AG
2019239514	Fertin Pharma A/S	2020349974	Pertec Electronics Company Limited
2019240885	S.P.C.M. SA	2020362426	Mitsubishi Heavy Industries, Ltd.
2019242537	Dai Nippon Printing Co., Ltd.	2020364175	Howe & Howe Inc.
2019245828	BASF SE	2020364879	Uniquecode Co., Ltd.
2019252560	Lexmark International, Inc.	2020378138	ZTE Corporation
2019253198	BMG (British Medical Group) Limited	2020378407	Rigel Pharmaceuticals, Inc.
2019254034	Ethicon, Inc.	2020379090	Essity Hygiene and Health Aktiebolag
2019255227	Lexmark International, Inc.	2020380288	Inovio Pharmaceuticals, Inc.; Regeneron Pharmaceuticals, Inc.
2019260234	Leisure-Tec International Limited		
2019263432	Aimed Bio Inc.	2020381441	Jiangyin Dafeima Automobile Technology Co., Ltd
2019264280	FrieslandCampina Nederland B.V.	2020382009	Stryker European Operations Limited
2019266106	Landis+Gyr Technology, Inc.	2020382033	FLSmith A/S
2019272730	Societe des Produits Nestle S.A.	2020385329	Efaflex Inženiring d.o.o. Ljubljana
2019273858	Autonomous Pivot Ltd.	2020385596	Vectura Delivery Devices Limited
2019283866	NINGBO FUJIA INDUSTRIAL CO., LTD.	2020393658	Mitsubishi Heavy Industries Thermal Systems, Ltd.
2019295395	Technische Universität Wien	2020393953	Spaceopal GmbH; Deutsches Zentrum für Luft- und Raumfahrt e.V.; DLR Gesellschaft für Raumfahrtanwendungen mbH
2019297918	Sumitomo Chemical Company, Limited		
2019301492	Novmetapharma Co., Ltd.	2020397746	LG Chem, Ltd.
2019309217	Halliburton Energy Services, Inc.	2020405962	Essilor International
2019329905	Opko Ireland Global Holdings, Ltd.	2020408305	3M Innovative Properties Company
2019329980	JPMorgan Chase Bank, N.A.	2020409806	LG Electronics Inc.
2019343934	Battelle Memorial Institute	2020412203	Globalforce IP Limited
2019346634	MSA Technology, LLC	2020412587	Becton, Dickinson and Company
2019377511	Nexa3D Inc.	2020412986	ENEOS Corporation
2019381258	China Agricultural University	2020413417	Nippon Steel Corporation
2019408055	Oslo Universitetssykehus HF	2020413656	Globalforce IP Limited
2019410699	Marel Salmon A/S	2020414768	Pylon Technologies, Co. Ltd
2019431869	Abehasera, B.	2020417743	WWT North America Holdings, Inc.
2019432235	Questor Technology Inc.	2020422088	Supernova Bio Co., Ltd.
2019436783	Sekisui House, Ltd.; E-Solutions, Inc.	2020423601	EnhancedBio Inc.
2019446571	Seeley International Pty Ltd	2020426682	Boston Scientific SciMed, Inc.
2019460048	ZTE Corporation	2020438626	Husqvarna AB
2019468502	The Procter & Gamble Company	2020440611	GD Midea Air-Conditioning Equipment Co., Ltd.
2020200189	Brady Worldwide, Inc.	2020442274	Nanjing Iron & Steel Co., Ltd.
2020201947	Southwest Petroleum University	2020446448	Ehrl, A.; Ott, R.
2020210550	Frito-Lay Trading Company GmbH	2020457486	Jushi Group Co., Ltd.
2020219094	ESCO Group LLC	2020457692	Jushi Group Co., Ltd.
2020220440	WERRTA GmbH Düsen- und Zerstäubungstechnik		

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2020467017	Mitsubishi Electric Corporation	2021298606	Hangzhou Hikvision Digital Technology Co., Ltd.
2020467836	Siemens Medical Solutions USA, Inc.	2021309310	Asahi Kasei Kabushiki Kaisha
2020468530	Nippon Telegraph and Telephone Corporation	2021310019	Haier Smart Home Co., Ltd.; Qingdao Haier Refrigerator Co., Ltd; HAIER US APPLIANCE SOLUTIONS, INC.
2020477732	NIPPON TELEGRAPH AND TELEPHONE CORPORATION	2021311097	BELKIN Vision Ltd.
2021200161	Element Science Inc.	2021321883	China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.
2021200275	True Manufacturing Co., Inc.	2021323155	China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.
2021200985	Bavarian Nordic A/S	2021325165	VEREVAS, INC.
2021201350	Immatics Biotechnologies GmbH	2021328510	WATTS REGULATOR CO.
2021203496	Osaka University; The University of Tokyo	2021329063	Nicoventures Trading Limited
2021203612	LG ELECTRONICS INC.	2021329284	PayPal, Inc.
2021204291	ARB New Zealand Limited	2021333108	Oterra A/S
2021204365	Syqe Medical Ltd.	2021338618	INTRATUS-NEVADA, INC.
2021207383	Ancestry.com DNA, LLC	2021341537	Raytheon Company
2021207453	Worldwide Oilfield Machine, Inc.	2021341795	MacDougall, F.
2021211077	Nuovo Pignone Tecnologie - S.r.l.	2021353828	Alteryx, Inc.
2021211997	Lastavec, S.	2021359793	LONGI GREEN ENERGY TECHNOLOGY CO., LTD.
2021228229	Aurora Solar Inc.	2021363258	CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.
2021232818	Translate Bio, Inc.	2021367047	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.
2021235749	Lawrence Equipment Inc.	2021368918	Qilu University of Technology
2021236451	Janssen Pharmaceutica NV	2021377422	DEYI PHARMACEUTICAL LTD.
2021236533	GENENTECH, INC.	2021380304	DEYI PHARMACEUTICAL LTD.
2021236545	Global International Trading Limited	2021380655	PAYPAL, INC.
2021238789	Baret	2021380731	CHEVRON U.S.A. INC.
2021242774	NIPPON STEEL Stainless Steel Corporation	2021382150	METSO OUTOTEC FINLAND OY
2021244350	Baker Hughes Oilfield Operations LLC	2021390107	CHINA MOBILE GROUP DESIGN INSTITUTE CO., LTD.; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.
2021245182	SMF-Holding GmbH	2021390617	CRRC Nanjing Puzhen Co., Ltd.
2021245248	Focused Technology Solutions, Inc.	2021390975	CRRC Nanjing Puzhen Co., Ltd.
2021247741	Vivo Mobile Communication Co., Ltd.	2021394083	SUNGROW POWER SUPPLY CO., LTD.
2021250715	International Business Machines Corporation	2021394753	WATTS REGULATOR CO.
2021250974	Medical Microinstruments, Inc.	2021410995	PHOENIX EAGLE COMPANY PTY LTD
2021252883	Cisco Technology, Inc.	2022200137	Dexcom, Inc.
2021253781	International Business Machines Corporation	2022200358	Louver-Lite Limited
2021254544	Illinois Tool Works Inc.	2022200419	immatics biotechnologies GmbH
2021255160	AptaBio Therapeutics Inc.	2022200456	Snap-on Incorporated
2021256154	Huawei Technologies Co., Ltd.	2022200517	Elekta, Inc.
2021257649	International Business Machines Corporation	2022200748	Hubbell Incorporated
2021258049	OJO Labs, Inc.	2022200810	Sage Therapeutics, Inc.
2021258892	Huawei Technologies Co., Ltd.	2022200884	Sage Therapeutics, Inc.
2021258977	LG Electronics Inc.	2022201051	Globeride, Inc.
2021260295	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.	2022201071	Armstrong World Industries, Inc.
2021264829	Beijing Showby Pharmaceutical Co., Ltd.	2022201510	FloDesign Sonics, Inc.
2021265061	Shell Internationale Research Maatschappij B.V.	2022201740	LG ELECTRONICS INC.
2021265844	Bridgestone Corporation	2022202091	InterDigital Patent Holdings, Inc.
2021266235	Red Meters LLC	2022202144	Metso Sweden AB
2021268226	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.	2022202403	Achillion Pharmaceuticals, Inc.
2021269343	Stryker Corporation	2022202612	Carbon Technology Holdings, LLC
2021269358	Terra Quantum AG	2022202736	Schneider Electric USA, Inc.
2021271953	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.	2022202831	Novartis AG; The Trustees of the University of Pennsylvania
2021272494	Fujikura Ltd.	2022202841	Siga Technologies, Inc.
2021272789	Mayekawa MFG. Co., Ltd.	2022203465	Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement; Institut Pasteur; The United States of America, as represented by the Secretary of Agriculture
2021273296	Vivo Mobile Communication Co., Ltd.	2022203535	INSTITUTE OF SOIL SCIENCE, CHINESE ACADEMY OF SCIENCES
2021273532	Presage Biosciences, Inc.	2022203595	Global Esprit Inc.
2021275268	IHI Corporation	2022203719	Smiths Medical ASD, Inc.
2021277620	Ceek Women's Health, Inc.	2022203938	AstraZeneca AB
2021277622	OMS INVESTMENTS, INC.	2022203985	California Innovations Inc.
2021277716	FISHER & PAYKEL HEALTHCARE LIMITED	2022204570	Materion Corporation
2021282277	Zebra Technologies Corporation	2022204836	Global Specimen Solutions, Inc.
2021282425	Tambo, Inc.	2022205056	HEARTLAND AG TECH, INC.
2021282515	Hensley Industries, Inc.	2022205211	ConMed Corporation
2021282526	Ocado Innovation Limited		
2021283607	Huawei Technologies Co.,Ltd.		
2021284547	Huawei Technologies Co., Ltd.		
2021286266	Karyopharm Therapeutics Inc.		
2021286268	Clarkson University		
2021290239	FISHER & PAYKEL HEALTHCARE LIMITED		
2021290387	Quantum-Si Incorporated		
2021290422	Dexcom, Inc.		
2021290842	International Business Machines Corporation		

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2022206830	ZHEJIANG JINKO SOLAR CO., LTD.; JINKO SOLAR CO., LTD.
2022209265	Acer Incorporated
2022209326	Superior Power Tool Co., Ltd.
2022211786	Prologium Technology Co., Ltd.; Prologium Holding Inc.
2022211852	SunBio Inc.
2022211864	HONEYWELL INTERNATIONAL INC.
2022218477	ColdQuanta, Inc.
2022218518	Apple Inc.
2022221423	Kabushiki Kaisha Toshiba
2022221428	Kabushiki Kaisha Toshiba
2022221508	Nokia Technologies Oy
2022224737	PPG Industries Ohio, Inc.
2022224817	Willingdon Properties Pty Ltd
2022228118	Vtec Co., Ltd.
2022235583	Thomson Reuters Enterprise Centre GmbH
2022241616	Hewlett-Packard Development Company, L.P.
2022246728	CISCO TECHNOLOGY, INC.
2022256192	Niantic, Inc.
2022256237	MADAD PTY LTD
2022259834	Transportation IP Holdings, LLC
2022262491	M&H TECHNICAL RESEARCH INSTITUTE CO., LTD.
2022263451	NAVICO HOLDING AS
2022263483	Jahn, A.
2022268376	Bullfrog International, LC
2022271409	JHUNJHUNWALA, S.
2022271410	Mitsubishi Heavy Industries Thermal Systems, Ltd.
2022271412	Valvoline Licensing and Intellectual Property LLC
2022278011	FRIDMAN-MINTZ, B.
2022279531	JINKO SOLAR (HAINING) CO., LTD.; ZHEJIANG JINKO SOLAR CO., LTD.
2022283728	Sony Corporation
2022288413	NGK Insulators, Ltd.
2022291584	SHANGHAI JINKO GREEN ENERGY ENTERPRISE MANAGEMENT CO., LTD.; ZHEJIANG JINKO SOLAR CO., LTD.
2022448086	NEXTGEN BIOSCIENCE CO., LTD.
2023200461	Nicoventures Trading Limited
2023202261	Getac Technology Corporation
2023203066	Stairmedia BCN, S.L.
2023216852	Variobend-ASCO GmbH
2023219653	NGK INSULATORS, LTD.
2023219811	Trina Solar Co., Ltd.
2023222900	Trina Solar Co., Ltd.
2023248185	Apple Inc.
2023255006	Alroy, B.
2023258344	E-Circuit Motors, Inc.
2023270262	Alarm.Com Incorporated
2023270329	LOAM BIO PTY LTD
2023278134	Ultivue, Inc.
2023282337	I911 International, Inc.

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2018335272	2020412203 2020413656	2019272730	2021204365 2023200461	2021236545	
<u>A01D 34 /-</u>	<u>A01N 1 /-</u>	<u>A23C 9 /-</u>	<u>A41B 1 /-</u>	<u>A47J 31 /-</u>	<u>A61B 90 /-</u>
2021245182 2021265844	2018226855	2019264280	2018321285	2018360256 2018379336	2021250974 2022205211
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2021265844	2018240308 2018336770 2018366265 2021277622	2019264280 2019272730	2018321285	2020210550	2018239402
<u>A01D 57 /-</u>	<u>A01N 41 /-</u>	<u>A23D 9 /-</u>	<u>A41D 31 /-</u>	<u>A47K 10 /-</u>	<u>A61C 9 /-</u>
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2019273858	2018240308 2018261338 2018322155 2018350616 2019253198 2019297918 2022201071	2018249695	2020381441	2019213022	2017416518 2018307478 2018307482 2018382540 2018382956
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2018335272	2018240308 2019253198	2020210550	2018275244	2018397762	
<u>A01G 9 /-</u>	<u>A01N 63 /-</u>	<u>A23L 27 /-</u>	<u>A45C 11 /-</u>	<u>A47L 11 /-</u>	<u>A61F 2 /-</u>
2018204778	2023270329	2018249695	2018321285	2019283866	2016267579 2018342595 2020295263 2020334770 2020426682
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2020239058	2018350616	2019264280 2019272730	2018321285	2021258977	
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2018335272 2023270329	2019297918 2021277622	2018351749	2019202040	2021258977	2018337919 2018366306
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2023270329	2018350616	2019272730 2021333108	2018321285 2018346644	2021277620	2020220440 2021311097
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2018210139	2018350616	2020210550 2021333108	2019230455	2022203719	2018204609
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2017335058 2018239433	2019297918 2021277622	2019272730	2019230455	2018311080 2018311081 2019254034 2021269343 2022205211	2021204365
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2022201051	2018350616	2019264280	2019226008	2020287387 2020330099 2020382009	2018221725
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2022201051	2021235749	2019431869	2019226008	2021250974	2018347638
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2018288387	2021235749	2021329063	2022256237	2019253198	2017339561 2017354041 2017387033 2018205735 2018212614 2018212635 2018214221 2018269008 2018275686
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2020412203 2020413656	2019410699	2021329063	2021254544		
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2018343995	2020242794	<u>A61L 27 /-</u>	2017305073	2021273532	2018246928
2018351088	2020309758		2021264829	2021286266	
2018352362	2020380288	2020334770		2022200419	<u>B01D 45 /-</u>
2018369696	2021201350		<u>A61P 15 /-</u>	2022203938	2018308192
2018391675	2022200419	<u>A61L 31 /-</u>			
2018392093		2019253198	2017305073	<u>A61P 37 /-</u>	<u>B01D 46 /-</u>
2019218177	<u>A61K 41 /-</u>		<u>A61P 17 /-</u>	2020378407	2020393658
2019230209		<u>A61M 1 /-</u>	2017305073	2020397746	2021265061
2019230883	2019253198			2021236451	
2019233183		2018298413	<u>A61P 19 /-</u>	2022448086	<u>B01D 53 /-</u>
2019239514	<u>A61K 45 /-</u>	2018369039			
2019301492		<u>A61M 11 /-</u>	2018212614	<u>A61P 43 /-</u>	2019226096
2019329905	2017305073			2017305073	2021341795
2020349451	2018205735	2020220440	<u>A61P 25 /-</u>	2020270494	2022288413
2020378407	2018212614	2021204365		2021255160	2023219653
2020397746	2018266324	2023200461		2022448086	<u>B01D 61 /-</u>
2020423601	<u>A61K 47 /-</u>		2018392093		
2021232818		<u>A61M 15 /-</u>	2019218177	<u>A61P 5 /-</u>	2022221428
2021236451	2017215869		2019230883	2019329905	<u>B01D 9 /-</u>
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2021264829	2018275686	2020385596	2020397746	<u>A61P 7 /-</u>	2018365755
2021273532	2018369696	2021204365	2021286266		
2021286266	2019263432	2020252034	2022200810	2017285763	<u>B01J 19 /-</u>
2021338618	2020252034	2023200461	2022200884	<u>A61P 9 /-</u>	2019245828
2022200810	2020422088	<u>A61M 16 /-</u>		2018351088	2021286268
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2022202841	2022203465	2020220440	2018214221	<u>A61Q 11 /-</u>	2022202612
2022203938	<u>A61K 48 /-</u>	2021204365	2018266324	2019468502	<u>B01J 8 /-</u>
2022448086		2021277716	2018266324	2022211852	2023219653
	2017213835	2021290239	2021338618	<u>A62C 27 /-</u>	<u>B02C 18 /-</u>
<u>A61K 33 /-</u>	2017292936	<u>A61M 25 /-</u>		2017424706	2019410699
	2019381258		<u>A61P 29 /-</u>	<u>A62C 31 /-</u>	2019431869
2019239514	2020227113	2018311080	2017305073	2017424706	<u>B03B 5 /-</u>
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2020422088	20212332818		2020378407	2017424706	<u>B03C 1 /-</u>
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			2021236451	2017424706	<u>B03D 1 /-</u>
2016267579	<u>A61K 49 /-</u>	2018311081	2022203938	<u>A62C 37 /-</u>	2017378413
2016369485				2017424706	<u>B04B 1 /-</u>
2018235957	2018369696	<u>A61M 39 /-</u>	<u>A61P 3 /-</u>	<u>A62C 31 /-</u>	2019410699
2018243664	<u>A61K 51 /-</u>		2018212614	2017424706	2019431869
2019381258		2020412587	2019329905	<u>A62C 37 /-</u>	<u>B03B 5 /-</u>
	2019217838	<u>A61M 5 /-</u>	2020422088	2017424706	2020382033
<u>A61K 36 /-</u>	<u>A61K 8 /-</u>	2018226855		<u>A62C 37 /-</u>	<u>B03C 1 /-</u>
		2018311081	<u>A61P 31 /-</u>	2017424706	2022202831
2021410995	2019468502	2018354266	2018322485	<u>A63B 102 /-</u>	2022202831
<u>A61K 38 /-</u>	2020422088	2018369039	2021255160	2019209043	<u>B03D 1 /-</u>
	2022211852	2020412587	2021286266	<u>A63B 33 /-</u>	2017378413
2016267579	<u>A61K 9 /-</u>	<u>A61N 1 /-</u>	2021410995	2022203595	<u>B04B 1 /-</u>
2017214761				<u>A63B 63 /-</u>	2020382033
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2017206656	2020423601	2021264829	2017316255		
2017285763	2021232818	2022448086	2018205735		
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2017316255	2021338618		2018325819		
2017330405	<u>A61L 15 /-</u>	2017305073	2018352984		
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<u>B08B 3 /-</u>	2022209326	2019242537	2021390617	<u>B65D 1 /-</u>	<u>B66B 5 /-</u>
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<u>B09B 101 /-</u>	2020409806	2022224737	2021390617	<u>B65D 5 /-</u>	2018207019
2023255006	<u>B25J 15 /-</u>	<u>B33Y 70 /-</u>	<u>B62D 12 /-</u>	2018204778	<u>B67D 1 /-</u>
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2023255006	<u>B25J 9 /-</u>	<u>B33Y 80 /-</u>	<u>B62D 33 /-</u>	2017380319	<u>B67D 7 /-</u>
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2018325983	<u>B27K 3 /-</u>	<u>B60B 3 /-</u>	<u>B62D 55 /-</u>	2018279644 2022203985	<u>C01G 53 /-</u>
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2018315775	<u>B29C 51 /-</u>	<u>B60J 7 /-</u>	<u>B63B 34 /-</u>	2018293932	<u>C03C 13 /-</u>
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<u>B23K 35 /-</u>	2018316705	2020438626	2022263451	<u>B65G 1 /-</u>	<u>C03C 3 /-</u>
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<u>B23K 9 /-</u>	2019377511 2022224737	2020438626	2020362426	<u>B65G 11 /-</u>	<u>C04B 35 /-</u>
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<u>B24B 3 /-</u>	2018271371 2022224737	<u>B60L 15 /-</u>	2020362426	<u>B65G 19 /-</u>	
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<u>B25B 13 /-</u>	<u>B29D 99 /-</u>	<u>B60L 58 /-</u>	<u>B64D 45 /-</u>	2022228118	<u>C05G 3 /-</u>
2022200456	2022224737	2020328756	2020362426	<u>B65G 53 /-</u>	2019222024
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<u>B25B 27 /-</u>	<u>B30B 11 /-</u>	<u>B60P 7 /-</u>	2018347638	2023216852	2018261338
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				<u>B66B 15 /-</u>	<u>C07C 31 /-</u>

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<u>C07C 69 /-</u>	2020252034 2020378407	2016369485 2017206656 2017214678	2019295395	<u>C11D 11 /-</u>	<u>C12P 19 /-</u>
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<u>C07D 257 /-</u>	2017213835 2017339561 2020239058 2021290387	<u>C07K 19 /-</u>	2018244291	<u>C12M 1 /-</u>	
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<u>C07D 413 /-</u>	2022200810 2022200884	<u>C08F 220 /-</u>	<u>C10G 2 /-</u>	<u>C25B 1 /-</u>	2021309310 2022221423
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	<u>C07K 14 /-</u>			2017365631 2017367722 2018325819 2019381258 2020274996	

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Certified Innovation Patents**Name Index**

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

-
- (71) D.I.T Technologies Ltd
(11) AU-B-2023100039
(21) 2023100039 (22) 12.05.2023
(54) Dosing system powered by a photovoltaic cell
(51) Int. Cl.
A01K 7/02 (2006.01)
A01K 5/02 (2006.01)
A01K 39/02 (2006.01)
A61D 7/00 (2006.01)
G05B 19/00 (2006.01)
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(62) 2019370617,2022100179
(72) PEART, Mark Rawlinson; FEEZ,
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Standard Patents

2016320551	2016340017	2016344459	2016350613
2016353067	2016372934	2016431213	2016433678
2017209342	2017216285	2017225982	2017260714
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2017423857	2017439630	2017443570	2018200329
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2018203105	2018204739	2018205507	2018208842
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2018221048	2018227380	2018229712	2018229804
2018229810	2018229966	2018229973	2018232053
2018232946	2018235381	2018240178	2018240375
2018243364	2018247984	2018249369	2018251256
2018254733	2018255227	2018257483	2018257765
2018261153	2018261164	2018261521	2018262118
2018262228	2018263810	2018272903	2018273626
2018275345	2018276085	2018281209	2018282000
2018282140	2018282896	2018283342	2018285543
2018289006	2018293908	2018295867	2018301375
2018302199	2018306139	2018306608	2018307077
2018307818	2018312846	2018313492	2018314396
2018316525	2018317495	2018319940	2018322191
2018325513	2018326546	2018328840	2018329173
2018329423	2018332540	2018334019	2018335288
2018336178	2018337731	2018343214	2018344388
2018346236	2018346513	2018350446	2018350835
2018352731	2018359224	2018361545	2018362588
2018364435	2018366386	2018366619	2018374838
2018375087	2018379267	2018387538	2018387576
2018403639	2018436086	2019202047	2019207626
2019209292	2019224760	2019227770	2019229389
2019236667	2019247905	2019249560	2019251357
2019252262	2019266284	2019267824	2019277817
2019298997	2019301101	2019321077	2019325036
2019325300	2019356565	2019379808	2019434473
2019451382	2019452937	2019463869	2019473403
2019479041	2020203910	2020221195	2020230316
2020235792	2020249190	2020253774	2020254025
2020268727	2020271751	2020272798	2020276004
2020276566	2020277267	2020281616	2020284245
2020289521	2020291810	2020294598	2020302753
2020302974	2020303435	2020326389	2020327031
2020329461	2020333801	2020334785	2020343215
2020344363	2020354489	2020355832	2020357748
2020358486	2020358595	2020362178	2020374695
2020380942	2020396511	2020397708	2020399817
2020401389	2020402822	2020407533	2020407625
2020408087	2020408730	2020410529	2020414201
2020415622	2020417834	2020417967	2020420173
2020444464	2021200310	2021200569	2021201890
2021201895	2021202433	2021204135	2021204181
2021204514	2021204612	2021204730	2021204827
2021205083	2021205096	2021206922	2021208850
2021208943	2021211348	2021215171	2021215215
2021215217	2021215242	2021215255	2021218041
2021218065	2021219404	2021220063	2021220546
2021221287	2021221547	2021221653	2021221889
2021223757	2021225124	2021225157	2021225234
2021225237	2021229251	2021231413	2021232790
2021232795	2021234308	2021235867	2021239493
2021240307	2021243002	2021245124	2021245143
2021245156	2021245165	2021245259	2021252076
2021254541	2021257892	2021257931	2021258074

Patents Granted

Standard Patents

2021266222	2021266277	2021267282	2021267896
2021273539	2021274862	2021275180	2021277608
2021277696	2021277760	2021280970	2021282404
2021282458	2021282462	2021282468	2021282512
2021286425	2021288185	2021290197	2021290395
2021297025	2021331683	2021355490	2021366325
2021368247	2021380854	2021382954	2021384046
2021388023	2021396607	2021397325	2021400610
2021414510	2021426703	2021441489	2022200329
2022200629	2022200916	2022201012	2022201030
2022201146	2022201150	2022201291	2022201312
2022201321	2022201322	2022201377	2022201388
2022201505	2022201790	2022201823	2022201943
2022201951	2022202478	2022202481	2022202524
2022202529	2022202672	2022202735	2022202763
2022202858	2022202907	2022202977	2022203094
2022203095	2022203212	2022203422	2022203717
2022204107	2022204240	2022204469	2022204668
2022204734	2022205190	2022206712	2022206767
2022206832	2022209239	2022212918	2022218510
2022224841	2022228159	2022231117	2022235632
2022236940	2022238786	2022241475	2022244599
2022244858	2022249231	2022275490	2022275520
2022293125	2022304619	2022306695	2022316516
2022325173	2022346655	2022358642	2022429676
2023201693	2023202087	2023202870	2023210569
2023219842	2023222905		

Innovation Patents

2021107691	2021107692	2023100104	2023100105
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Offer to Surrender

It is hereby notified that **Rite-Hite Holding Corporation 8900 North Arbon Drive , Wisconsin Milwaukee 53223** , the Patentee of Patent 2021232840 dated 14.12.2023 for an invention titled ' Inflatable Weather Barriers For Loading Docks' 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

2004244416 ARRIS Global Ltd. The patent has been assigned to **ANDREW WIRELESS SYSTEMS UK LIMITED**

2005212335 Cook Incorporated; Cook Biotech, Inc. The patent has been assigned to **Cook Biotech, Inc.; Cook Medical Technologies LLC**

2005230300 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2005236766 RGS Development B.V. The patent has been assigned to **Stichting BOL IP**

2005276951 Davis, Geoffrey The patent has been assigned to **Boat Latch Pty Ltd**

2006233153 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2006298748 GSK Consumer Healthcare SARL The patent has been assigned to **Karo Healthcare AB**

2006315852 Rodriguez, Damian The patent has been assigned to **TABET, KATHLENE**

Assignments Registered

2007214380 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2007216781 Naturewise Biotech & Medicals Corporation The patent has been assigned to **NOVELWISE PHARMACEUTICAL CORPORATION**

2008203827 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2008278300 ARELAC, INC. The patent has been assigned to **EL-ERYC, INC.**

2008340937 ShawCor LTD. The patent has been assigned to **2543500 Alberta Ltd.**

2009216164 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2009245832 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2009290161 ARELAC, INC. The patent has been assigned to **EL-ERYC, INC.**

2010200175 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2010200176 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2010201322 Naturewise Biotech & Medicals Corporation The patent has been assigned to **NOVELWISE PHARMACEUTICAL CORPORATION**

2010236041 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2010236043 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2010259533 Kyowa Kirin Co., Ltd.; Inter-University Research Institute Corporation Research Organization of Information and Systems The patent has been assigned to **Kyowa Kirin Co., Ltd.**

2010293967 Reckitt Benckiser Healthcare International Limited The patent has been assigned to **Karo Healthcare AB**

2011219266 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2011338127 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2011342161 Inter-University Research Institute Corporation Research Organization of Information and Systems; Kyowa Kirin Co., Ltd. The patent has been assigned to **Kyowa Kirin Co., Ltd.**

2012243827 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

Assignments Registered

2012306722 ThyssenKrupp Uhde GmbH The patent has been assigned to **thyssenkrupp Uhde GmbH**

2012351148 ThyssenKrupp Industrial Solutions AG The patent has been assigned to **thyssenkrupp Uhde GmbH**

2012366907 ThyssenKrupp Industrial Solutions AG The patent has been assigned to **thyssenkrupp Uhde GmbH**

2013258901 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2013265687 ThyssenKrupp Industrial Solutions AG The patent has been assigned to **thyssenkrupp Uhde GmbH**

2013300927 Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **Mitsubishi Heavy Industries, Ltd.; The Kansai Electric Power Co., Inc.**

2013320433 thyssenkrupp Industrial Solutions AG The patent has been assigned to **thyssenkrupp Uhde GmbH**

2013338059 Arris International IP Ltd. The patent has been assigned to **ANDREW WIRELESS SYSTEMS UK LIMITED**

2014231220 thyssenkrupp Industrial Solutions AG The patent has been assigned to **thyssenkrupp Uhde GmbH**

2014315691 ISP Investments Inc. The patent has been assigned to **Halliburton Energy Services, Inc.**

2014335385 The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries Engineering, Ltd. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2014373904 Arris International IP Ltd. The patent has been assigned to **COMMSCOPE UK LIMITED**

2015250212 Arris International IP Ltd. The patent has been assigned to **COMMSCOPE UK LIMITED**

2015329740 Chinoin Gyógyszer és Vegyészeti Termékek Gyára Zrt The patent has been assigned to **EUROAPI Hungary Limited Liability Company**

2015380995 Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2016261249 Stora Enso Oyj The patent has been assigned to **WOODCOMPOSITE SWEDEN AB**

2016291555 Arris International IP Ltd. The patent has been assigned to **COMMSCOPE UK LIMITED**

2016331718 Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2016364014 Chinoin Gyógyszer És Vegyészeti Termékek Gyára Zrt. The patent has been assigned to **EUROAPI Hungary Limited Liability Company**

2016405653 Vadovations, Inc. The patent has been assigned to **Star BP, Inc.**

2017204459 Arris International IP Ltd. The patent has been assigned to **ANDREW WIRELESS SYSTEMS UK LIMITED**

2017204855 Arris International IP Ltd. The patent has been assigned to **ANDREW WIRELESS SYSTEMS UK LIMITED**

Assignments Registered

2017240592 Boehringer Ingelheim Animal Health USA Inc. The patent has been assigned to **Boehringer Ingelheim Vetmedica GmbH**.

2017279000 I.D.E. Technologies Ltd The patent has been assigned to **IDE WATER TECHNOLOGIES LTD**

2017289948 OmniEarth, Inc. The patent has been assigned to **Eagle View Technologies, Inc.**

2017292399 I.D.E. Technologies Ltd The patent has been assigned to **IDE WATER TECHNOLOGIES LTD**

2017311168 Hongyun Biotech Co., Ltd. The patent has been assigned to **Xiamen University**

2018241086 AME Pty Ltd The patent has been assigned to **AME Offshore Solutions Pty Ltd**

2018241087 AME Pty Ltd The patent has been assigned to **AME Offshore Solutions Pty Ltd**

2018241088 AME Pty Ltd The patent has been assigned to **AME Offshore Solutions Pty Ltd**

2018275646 thyssenkrupp Industrial Solutions AG; thyssenkrupp AG The patent has been assigned to **thyssenkrupp AG; thyssenkrupp Uhde GmbH**

2018408211 Thrunnel Ltd, Oy The patent has been assigned to **Abo-Hashema, Khaled A.H.**

2019100173 AME Pty Ltd The patent has been assigned to **AME Offshore Solutions Pty Ltd**

2019100174 AME Pty Ltd The patent has been assigned to **AME Offshore Solutions Pty Ltd**

2019100175 AME Pty Ltd The patent has been assigned to **AME Offshore Solutions Pty Ltd**

2019203228 DSI Tunneling LLC The patent has been assigned to **FCI Holdings Delaware, Inc.**

2019423879 Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2020270596 Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **The Kansai Electric Power Co., Inc.; Mitsubishi Heavy Industries, Ltd.**

2020274854 thyssenkrupp Industrial Solutions AG; thyssenkrupp AG The patent has been assigned to **thyssenkrupp AG; thyssenkrupp Uhde GmbH**

2021107214 Arrowhead Development Company Ltd The patent has been assigned to **GRID Geo-Registry Integrated Datachain Inc.**

2021318431 Ellis, Gregory The patent has been assigned to **Monster Color Carnival LLC**

2022291558 White, Richard The patent has been assigned to **Cosgriff, Victoria**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Filed

The following application(s) for Extension of Term under Section 70 have been made and are open for public inspection.

2020203531 **Pearl Therapeutics, Inc.**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Filed

The earliest first regulatory approval date provided by the patentee 02 Oct 2018

For the goods BEVESPI AEROSPHERE Bevespi

Extensions granted

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

2017268651 **Pfizer Inc.**

The earliest first regulatory approval date provided by the patentee 02 Dec 2022

For the goods Prevenar 20 pneumococcal purified capsular polysaccharides

Extension of Term of patent pursuant to Section 77 expires on 02 Dec 2037

2017342022 **Array BioPharma Inc.**

The earliest first regulatory approval date provided by the patentee 03 Jul 2023

For the goods RETEVMO selpercatinib

Extension of Term of patent pursuant to Section 77 expires on 03 Jul 2038

Corrigenda

In Vol 58 , No 4 , Page(s) 464 under the heading **Amendments - Application for Amendments** Under the name Novo Nordisk A/S, Application No. 2009331570 correct the date of the statements filed to read 20 Nov 2023, 04 Jan 2024

Specifications Republished

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

2008304192 **Alexion Pharmaceuticals, Inc.**
 2017278193 **Regeneron Pharmaceuticals, Inc.**
 2018294487 **Fresenius Medical Care Deutschland GmbH**
 2019269479 **Paul Hartmann AG**
 2020297260 **Huawei Technologies Co., Ltd.**
 2021236069 **AdvanSix Resins & Chemicals LLC**