



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

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Freedom of Information ACT

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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 -

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 9 Jul 2024 .

(71) 5B IP Holdings Pty Ltd (21) 2024902169 (22) 14.07.2024 (54) A SYSTEM FOR SECURING A BEAM AND A PV MODULE TO A GROUND SURFACE	(71) BRACON INDUSTRIES (N S W) PTY LTD (21) 2024902157 (22) 12.07.2024 (54) Manifold for Pressurised Beverage Dispensing Systems	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2024902143 (22) 11.07.2024 (54) UNDERWATER VESSEL
(71) Agriculture Victoria Services Pty Limited; Dairy Australia Limited; Geoffrey Gardiner Dairy Foundation Limited (21) 2024902184 (22) 15.07.2024 (54) Phosphate solubilising bacteria	(71) Breathesafe Pty Ltd (21) 2024902193 (22) 15.07.2024 (54) Air Filter Assembly	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2024902145 (22) 11.07.2024 (54) ELECTRO-OPTIC MODULATOR
(71) Allegion (Australia) Pty Ltd (21) 2024902204 (22) 16.07.2024 (54) Battery holder for an electronic lock	(71) Breville Pty Limited (21) 2024902189 (22) 15.07.2024 (54) Espresso machine with cold brew mode	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2024902159 (22) 12.07.2024 (54) Atmospheric correction
(71) Art Processors Pty Ltd (21) 2024902202 (22) 16.07.2024 (54) A PATH FINDING METHOD AND SYSTEM	Bull, D. see Pirina, R. (21) 2024902190	(71) Conroy, A. (21) 2024902171 (22) 15.07.2024 (54) Improved Fence Post
(71) Atticus Medical Pty Ltd (21) 2024902139 (22) 11.07.2024 (54) Improved product and process	(71) burton, e. (21) 2024902136 (22) 10.07.2024 (54) split the algo	(71) Corrigan, T. (21) 2024902127 (22) 10.07.2024 (54) Develop an Application to protect children in harms way
(71) Australian Industrial Plastics Pty Ltd (21) 2024902187 (22) 15.07.2024 (54) Method and System for Joining Hollow Plastic Members	(71) Castawall Australia Pty Ltd (21) 2024902138 (22) 11.07.2024 (54) Formwork Assembly	(71) CVG Developments Pty Ltd (21) 2024902137 (22) 11.07.2024 (54) Gas Bottle Housing
(71) Blairgowrie Developments Pty Ltd (21) 2024902094 (22) 07.07.2024 (54) Coin & Card Operated EV Charging Station	(71) Chesson, K. (21) 2024902148 (22) 11.07.2024 (54) User interface to facilitate more efficient input of letter placement into a two dimensional grid with the intent to find hidden words within a digital word-finding puzzle.	Dairy Australia Limited see Agriculture Victoria Services Pty Limited (21) 2024902184
(71) BLOWER BLADE PTY LTD (21) 2024902154 (22) 12.07.2024 (54) Air-Powered Cleaning Device Attachment	(71) Cobra Access Pty Ltd (21) 2024902161 (22) 12.07.2024 (54) Scaffolding system	(71) Divide By None Pty Ltd (21) 2024902125 (22) 10.07.2024 (54) An apparatus and computer implemented method for generating, synthesising, extrapolating, manipulating, and contextualising abstractions and meta-abstractions that represent complex phenomena
	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2024902115 (22) 09.07.2024 (54) IMAGE LOCALISATION	

Provisional Applications Filed - Name Index cont'd

(71) El Hawzi, P.
(21) 2024902147 (22) 11.07.2024
(54) On-Demand Lawn Care Service mobile Application

(71) Endangered Heritage Pty Ltd
(21) 2024902173 (22) 15.07.2024
(54) A method for treating mould in cultural heritage settings and on cultural heritage objects

(71) ENOPE PTY LTD
(21) 2024902185 (22) 15.07.2024
(54) A method of mobilising, modularising and maximising an offgrid solar power system

(71) Enviro Nutrition Pty Ltd
(21) 2024902144 (22) 11.07.2024
(54) FEED ADDITIVE

(71) ESTATEXCHANGE PTY LTD
(21) 2024902142 (22) 11.07.2024
(54) METHOD AND SYSTEM FOR SECURE SHARING OF INFORMATION

(71) Flinders University
(21) 2024902135 (22) 10.07.2024
(54) ORGANIC POLYSULFIDE POLYMERS AND USES THEREOF

(71) Gaida, J.C.
(21) 2024902156 (22) 12.07.2024
(54) Apparatus for controlling fluid flow and method thereof

(71) Garrard, S.
(21) 2024902152 (22) 12.07.2024
(54) Electrical switch board smoke detector messaging unit

Geoffrey Gardiner Dairy Foundation Limited see Agriculture Victoria Services Pty Limited
(21) 2024902184

(71) Griffiths, J.; Jackson, N.
(21) 2024902167 (22) 14.07.2024
(54) Artificial Intelligence Biased Multifunction Codec

(71) Griffiths, J.; Jackson, N.
(21) 2024902168 (22) 14.07.2024
(54) Access Protection System

(71) Hartley, R.
(21) 2024902194 (22) 16.07.2024
(54) Matrix multiplication without multiples

(71) Hooper, I.
(21) 2024902198 (22) 16.07.2024
(54) Drag-Type Turbine

HU, S. see XIE, Y.
(21) 2024902199

(71) Hydro Harness Pty Ltd
(21) 2024902197 (22) 16.07.2024
(54) Hydration system

(71) Hysata Pty Ltd
(21) 2024902153 (22) 12.07.2024
(54) Separator

Jackson, N. see Griffiths, J.
(21) 2024902167

Jackson, N. see Griffiths, J.
(21) 2024902168

(71) KDB INTELLECTUAL PTY LTD
(21) 2024902164 (22) 12.07.2024
(54) ELECTROMAGNETIC SEAL SECURE DOOR SET

(71) Kleehammer, B.; Li, M.; Ma, Y.
(21) 2024902192 (22) 15.07.2024
(54) Enhanced Locking Mechanism for Vertically Operative Doors

Li, M. see Kleehammer, B.
(21) 2024902192

(71) Linkin, L.
(21) 2024902130 (22) 10.07.2024
(54) Salt bush extract and uses thereof

Ma, Y. see Kleehammer, B.
(21) 2024902192

(71) MARTIN, J.
(21) 2024902150 (22) 11.07.2024
(54) A collapsible vessel and components therefor

(71) McMahon, S.
(21) 2024902170 (22) 14.07.2024
(54) Tubular Heating Elastic Blanket

mDetect Pty Ltd see The University of Tokyo
(21) 2024902118

(71) Mensard Pty Ltd
(21) 2024902176 (22) 15.07.2024
(54) System for determining a race finish time for a swimming athlete

Mermaid Bio GmbH see The Walter and Eliza Hall Institute of Medical Research
(21) 2024902175

Monash University see The University of Melbourne
(21) 2024902183

(71) MORSE MICRO PTY. LTD.
(21) 2024902178 (22) 15.07.2024
(54) The digital pre-distortion for digital PA gain compensation methods and devices

(71) MORSE MICRO PTY. LTD.
(21) 2024902179 (22) 15.07.2024
(54) S1G duplicate mode classification methods and devices thereof

(71) Murdoch Children's Research Institute
(21) 2024902134 (22) 10.07.2024
(54) Stem cell derived bio-scaffolds and methods for producing the same

(71) Myrio Therapeutics Pty Ltd
(21) 2024902119 (22) 09.07.2024
(54) BINDING AGENTS FOR PRAME PEPTIDE-MHC COMPLEX II

(71) NON-CONDUCTIVE SPIGOTS PTY LTD
(21) 2024902203 (22) 16.07.2024
(54) A POOL SKIMMER LID ASSEMBLY

Northern Sydney Local Health District see The University of Sydney
(21) 2024902201

(71) Novalith Technologies Pty Ltd
(21) 2024902196 (22) 16.07.2024
(54) Lithium recovery from lithium iron phosphate cathodic material

(71) pham, m.
(21) 2024902126 (22) 10.07.2024
(54) Michael Pham 's New Invention: An Improved Wind Resistant Umbrella

(71) Pirina, R.; Bull, D.
(21) 2024902190 (22) 15.07.2024
(54) Electronic Utensil

Provisional Applications Filed - Name Index cont'd

(71) Playa One Pty Ltd
(21) 2024902132 (22) 10.07.2024
(54) A Method for The Preparation of Alumina from an Alunite Material

(71) PMC Designs Australia Pty Ltd
(21) 2024902174 (22) 15.07.2024
(54) Wheel Cleaner

(71) Prodégé Pty Ltd
(21) 2024902180 (22) 15.07.2024
(54) Compositions and uses thereof

(71) REID, D.
(21) 2024902195 (22) 16.07.2024
(54) Hand truck vehicle stowage arrangement

(71) ResMed Pty Ltd
(21) 2024902151 (22) 12.07.2024
(54) HUMIDIFIERS

(71) SARTORETTO, A.M.
(21) 2024902205 (22) 16.07.2024
(54) AN IMPROVED GASTRIC AND DUODENAL APPARATUS AND DEPLOYMENT THEREOF

(71) Seeger, A.S.
(21) 2024902146 (22) 11.07.2024
(54) Wellbeings

(71) SENSE2 PTY LTD
(21) 2024902123 (22) 09.07.2024
(54) Advanced Boron-Doped Diamond (BDD) Interconnect Integration Process for Semiconductor Manufacturing

(71) SENSE2 PTY LTD
(21) 2024902133 (22) 10.07.2024
(54) Advanced Boron-Doped Diamond Structures for High-Performance Semiconductor, Electronic, Robotic, Automotive, and Quantum Applications

(71) SENSE2 PTY LTD
(21) 2024902140 (22) 11.07.2024
(54) Advanced Boron-Doped Diamond Structures for High-Performance Semiconductor, Electronic, Robotic, Automotive, and Quantum Applications

(71) SENSE2 PTY LTD
(21) 2024902165 (22) 12.07.2024
(54) Advanced Boron-Doped Diamond Structures for High-Performance Semiconductor, Electronic, Robotic, Automotive, and Quantum Applications

(71) SENSE2 PTY LTD
(21) 2024902166 (22) 13.07.2024
(54) Advanced Boron-Doped Diamond Structures for High-Performance Semiconductor and Electronic Applications

(71) Seth Burton Building Pty Ltd
(21) 2024902172 (22) 15.07.2024
(54) DUST ISOLATION ARRANGEMENT

(71) Shinning Future Industries Pty Ltd
(21) 2024902149 (22) 11.07.2024
(54) Method for preparing porous membranes from recycled PVC plastics

(71) Sierra UV-Sea Pty Ltd
(21) 2024902191 (22) 15.07.2024
(54) Underwater Biofoulant Irradiation Apparatus

Simcock, J. see Simcock, D.
(21) 2024902181

(71) Simcock, D.; Simcock, J.
(21) 2024902181 (22) 15.07.2024
(54) Method for the Preparation of Therapeutic Formulations from Diosma Plant Material through Controlled Fermentation

(71) SKYPORTZ (AUSTRALIA) PTY LTD
(21) 2024902158 (22) 12.07.2024
(54) Vertiport for a flying vehicle

(71) Spark, I.
(21) 2024902200 (22) 16.07.2024
(54) Articulation angle control system

(71) Speight, M.
(21) 2024902186 (22) 15.07.2024
(54) Surf was holder

(71) Stoddart Technology Pty Ltd
(21) 2024902182 (22) 15.07.2024
(54) Roof ventilation elements

(71) Stoddart Technology Pty Ltd
(21) 2024902188 (22) 15.07.2024
(54) Roof ventilation elements

(71) Synergetics Pty Ltd
(21) 2024902128 (22) 10.07.2024
(54) PREDICTION OF ATMOSPHERIC AND FLYING CONDITIONS FOR AIRCRAFT

(71) Synergetics Pty Ltd
(21) 2024902129 (22) 10.07.2024
(54) Improvements in Gas Distribution Systems

(71) Synergetics Pty Ltd
(21) 2024902131 (22) 10.07.2024
(54) Ventilation Apparatus and Methods

(71) Technological Resources Pty Ltd
(21) 2024902120 (22) 09.07.2024
(54) A DRILLING MANAGEMENT SYSTEM

(71) Technological Resources Pty Ltd
(21) 2024902121 (22) 09.07.2024
(54) A SAFETY SYSTEM FOR A DRILLING MACHINE

(71) Technological Resources Pty Ltd
(21) 2024902122 (22) 09.07.2024
(54) A PATH PLANNING SYSTEM FOR A DRILLING MACHINE

(71) The University of Melbourne; Monash University
(21) 2024902183 (22) 15.07.2024
(54) Novel treatment for diabetes and obesity

(71) The University of Queensland
(21) 2024902160 (22) 12.07.2024
(54) Nanobody for Nipah virus

(71) The University of Sydney
(21) 2024902177 (22) 15.07.2024
(54) Method and system for determining an indication of blood coagulability

(71) The University of Sydney; Northern Sydney Local Health District
(21) 2024902201 (22) 16.07.2024
(54) Biomarker panel

(71) The University of Tokyo; mDetect Pty Ltd
(21) 2024902118 (22) 09.07.2024
(54) SYSTEM AND METHOD OF LOCATING, AUTHENTICATING, AND SECURING NETWORK DEVICES VIA MUON DETECTION

(71) The Walter and Eliza Hall Institute of Medical Research; Mermaid Bio GmbH
(21) 2024902175 (22) 15.07.2024
(54) Chimeric Binding Molecules

(71) Victoria Link Limited
(21) 2024902116 (22) 09.07.2024
(54) DEVICE AND DEVICE ARRANGEMENT FOR ARTIFICIAL NEURAL

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(71) Vow Group Pty Ltd
(21) 2024902155 (22) 12.07.2024
(54) Apparatus and method for producing a
cultivated food product

(71) Wang, G.
(21) 2024902162 (22) 12.07.2024
(54) A drawer system and components of a
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(71) Waterco Limited
(21) 2024902163 (22) 12.07.2024
(54) Integrated sediment filtration system

(71) XIE, Y.; HU, S.
(21) 2024902199 (22) 16.07.2024
(54) RFID GOLF SET

(71) Yen, K.F.
(21) 2024902141 (22) 11.07.2024
(54) Integrated Energy Storage and Conver-
sion System

(71) Zoghbi, L.
(21) 2024902206 (22) 16.07.2024
(54) Weighted football for Rugby League,
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2024902118	The University of Tokyo; mDetect Pty Ltd	2024902182	Stoddart Technology Pty Ltd
2024902119	Myrio Therapeutics Pty Ltd	2024902183	The University of Melbourne; Monash University
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2024902175	The Walter and Eliza Hall Institute of Medical Research; Mermaid Bio GmbH		
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. (*) Title not in Roman characters

. (**) Title not given

(71) Abbott Diabetes Care Inc. (21) 2024204775 (22) 10.07.2024 (54) Application interface and display control in an analyte monitoring environment	(71) Amsted Rail Company, Inc. (21) 2024204825 (22) 12.07.2024 (54) AUTONOMOUS OPTIMIZATION OF INTRA-TRAIN COMMUNICATION NETWORK	(71) Bayer Healthcare LLC (21) 2024204755 (22) 10.07.2024 (54) System, method, and computer program product for predictive maintenance
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(71) Air Products and Chemicals, Inc. (21) 2024204844 (22) 15.07.2024 (54) Purification of Concentrated Aqueous Hydroxide Solutions for Electrolysis	(71) Angel Group Co., Ltd. (21) 2024204812 (22) 12.07.2024 (54) Chip measurement system	(71) BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD. (21) 2024204748 (22) 10.07.2024 (54) A METHOD FOR VIDEO CODING
(71) Alcon Inc. (21) 2024204749 (22) 10.07.2024 (54) MULTIPLE-INPUT-COUPLED ILLUMINATED MULTI-SPOT LASER PROBE	(71) Angel Group Co., Ltd. (21) 2024204819 (22) 12.07.2024 (54) Game System	(71) Blackhawk Network, Inc. (21) 2024204826 (22) 12.07.2024 (54) "System and method of registering stored-value cards into electronic wallets"
(71) Allergan, Inc. (21) 2024204883 (22) 16.07.2024 (54) Crosslinked HA-collagen hydrogels as dermal fillers	(71) Angel Group Co., Ltd. (21) 2024204886 (22) 16.07.2024 (54) PACKING BOX FOR SHUFFLED PLAYING CARDS	(71) BLANCO GmbH + Co KG (21) 2024204803 (22) 11.07.2024 (54) Device For The Indirect Measurement Of The Fill Level Of A Pressurized Liquid In A Fluid Container And Method
(71) Alroy, B. (21) 2024204799 (22) 11.07.2024 (54) Manufacturing method for ground protection mat	(71) Apple Inc. (21) 2024204717 (22) 09.07.2024 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications	(71) BLUE EGGPLANT PTY LTD (21) 2024204759 (22) 10.07.2024 (54) LAPTOP DISPLAY SYSTEMS
(71) American Gene Technologies International Inc. (21) 2024204743 (22) 10.07.2024 (54) HIV pre-immunization and immunotherapy	(71) Aristocrat Technologies Australia Pty Limited (21) 2024204828 (22) 12.07.2024 (54) GAMING SYSTEM AD METHOD OF GAMING	(71) Body Vision Medical Ltd. (21) 2024204763 (22) 10.07.2024 (54) METHODS AND SYSTEMS FOR USING MULTI VIEW POSE ESTIMATION
(71) Amicus Therapeutics, Inc. (21) 2024204823 (22) 12.07.2024 (54) METHODS OF TREATING FABRY PATIENTS HAVING RENAL IMPAIRMENT	(71) Aurea Software FZ-LLC (21) 2024204827 (22) 12.07.2024 (54) Extensible analytics and recommendation engine for network traffic data	(71) Bogeholz, S. (21) 2024204840 (22) 13.07.2024 (54) CUSTOM PREMANUFACTURED LOAD-BEARING LIGHTWEIGHT SANDWICH PANEL SYSTEM FOR THE CONSTRUCTION INDUSTRY
(71) AMOVA GmbH (21) 2024204744 (22) 10.07.2024 (54) Method for the dynamic traffic routing of external transportation means in a high-bay warehouse	(71) BASF SE (21) 2024204866 (22) 15.07.2024 (54) Herbicidal mixtures comprising L-glufosinate or its salt and at least one VLCFA inhibitor	(71) Boston Scientific Scimed, Inc. (21) 2024204751 (22) 10.07.2024 (54) Powder for achieving hemostasis
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(71) CATERPILLAR INC.
(21) 2024204773 (22) 10.07.2024
(54) MATERIAL SELECTION FOR A LOADING OPERATION PERFORMED BY A MACHINE

(71) Changsha Mitr Instrument Equipment Co.,Ltd
(21) 2024204769 (22) 10.07.2024
(54) CONTINUOUS BALL MILL FOR HIGH-FINE GRINDING

(71) CHEN, T.
(21) 2024204839 (22) 13.07.2024
(54) TONGUE DEPRESSOR

(71) Chuanguan Technology Group (Dongguan) Co., Ltd.
(21) 2024204762 (22) 10.07.2024
(54) MAGNETIC ATTRACTION LINE CONVENIENT TO STORE

(71) Commonwealth Scientific and Industrial Research Organisation; Grains Research and Development Corporation; Nuseed Nutritional Australia Pty Ltd
(21) 2024204837 (22) 12.07.2024
(54) Lipid comprising docosapentaenoic acid

(71) ConocoPhillips Company
(21) 2024204781 (22) 11.07.2024
(54) PROPPANT FROM CAPTURED CARBON

(71) Cytokinetics, Inc.
(21) 2024204859 (22) 15.07.2024
(54) Dihydrobenzofuran and inden analogs as cardiac sarcomere inhibitors

(71) Daon Technology
(21) 2024204729 (22) 09.07.2024
(54) METHODS AND SYSTEMS FOR DETECTING USER LIVENESS

(71) Daon Technology
(21) 2024204796 (22) 11.07.2024
(54) METHODS AND SYSTEMS FOR CREATING A SYNTHETIC SPEECH DETECTION ALGORITHM AND ENHANCING DETECTION OF FRAUDULENT AUDIO DATA USING THE ALGORITHM

(71) Deere & Company
(21) 2024204782 (22) 11.07.2024
(54) Cotton stripper air supply system

(71) Deere & Company
(21) 2024204873 (22) 16.07.2024
(54) Cotton stripper air duct system

(71) Dexcom, Inc.
(21) 2024204728 (22) 09.07.2024
(54) Systems and methods for display device and sensor electronics unit communication

(71) Dexlevo Inc.
(21) 2024204794 (22) 11.07.2024
(54) TISSUE RESTORATION COMPOSITION

(71) Disney Enterprises, Inc.; ETH Zürich (Eidgenössische Technische Hochschule Zürich)
(21) 2024204836 (22) 12.07.2024
(54) Pose-aware neural inverse kinematics

(71) Dolphin Solutions Ltd
(21) 2024204791 (22) 11.07.2024
(54) PRODUCT DISPENSING SYSTEM AND A METHOD OF INSTALLATION THEREOF

(71) DRW Technologies, LLC
(21) 2024204832 (22) 12.07.2024
(54) System and method for latency critical quality of service using continuous bandwidth control

(71) Encore Medical, LP DBA DJO Surgical
(21) 2024204784 (22) 11.07.2024
(54) SYSTEMS AND METHODS FOR RECONSTRUCTION AND CHARACTERIZATION OF PHYSIOLOGICALLY HEALTHY AND PHYSIOLOGICALLY DEFECTIVE ANATOMICAL STRUCTURES TO FACILITATE PREOPERATIVE SURGICAL PLANNING

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(21) 2024204836

(71) F. HOFFMANN-LA ROCHE AG
(21) 2024204847 (22) 15.07.2024
(54) Quinazoline Derivatives as Antitumor Agents

(71) FORD, S.
(21) 2024204820 (22) 12.07.2024
(54) A PREFABRICATED WALL STRUCTURE

(71) Forsythe, B.
(21) 2024204776 (22) 10.07.2024
(54) Improved Heap Leach

(71) Full Circle International, Inc.
(21) 2024204757 (22) 10.07.2024
(54) Non-Motorized Vacuum Sanding Tool

(71) Global Blue SA
(21) 2024204771 (22) 10.07.2024
(54) PAYMENT TERMINAL DEVICE AND METHOD

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(21) 2024204837

(71) Great Plains Manufacturing, Inc.
(21) 2024204745 (22) 10.07.2024
(54) Compact Utility Loader

(71) Guangdong Aiko Solar Energy Technology Co., Ltd.
(21) 2024204838 (22) 13.07.2024
(54) ELECTRODE STRUCTURE OF BACK CONTACT CELL, BACK CONTACT CELL, BACK CONTACT CELL MODULE, AND BACK CONTACT CELL SYSTEM

(71) Hamex Fuel Cell Pvt Ltd.
(21) 2024204815 (22) 12.07.2024
(54) Controlled Dosage Dispensing Valve

(71) Hera Health Solutions Inc.
(21) 2024204746 (22) 10.07.2024
(54) Bioerodible drug delivery implants

(71) Highlight Therapeutics, S.L.
(21) 2024204758 (22) 10.07.2024
(54) NOVEL PHARMACEUTICAL COMPOSITION COMPRISING PARTICLES COMPRISING A COMPLEX OF A DOUBLE-STRANDED POLYRIBONUCLEOTIDE AND A POLYALKYLENEIMINE

(71) Holley Performance Products Inc.
(21) 2024204835 (22) 12.07.2024
(54) Electronic fuel injection throttle body assembly

(71) HRBeauty LLC
(21) 2024204841 (22) 13.07.2024
(54) APPARATUS AND METHOD

(71) Huawei Technologies Co., Ltd.
(21) 2024204772 (22) 10.07.2024

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(54) BANDWIDTH INDICATION METHOD APPLIED IN WIRELESS LOCAL AREA NETWORK AND COMMUNICATION APPARATUS

(71) Hunan University of Science and Technology; Hunan Xiangchu Xianlu Environmental Protection Technology Co., Ltd.

(21) 2024204789 (22) 11.07.2024

(54) Method for preparing general-purpose cement

Hunan Xiangchu Xianlu Environmental Protection Technology Co., Ltd. see Hunan University of Science and Technology

(21) 2024204789

(71) Hyster-Yale Materials Handling, Inc.

(21) 2024204830 (22) 12.07.2024

(54) AUXILIARY ROLLERS FOR A FORK OF A FORKED MATERIALS-HANDLING VEHICLE

(71) Idemitsu Kosan Co., Ltd.

(21) 2024204750 (22) 10.07.2024

(54) HYDRAULIC OIL COMPOSITION

(71) Ignis Technologies Pty Ltd

(21) 2024204861 (22) 15.07.2024

(54) RETURN EXHAUST ASSEMBLY FOR A REVERSE CIRCULATION HAMMER

(71) Illinois Tool Works Inc.

(21) 2024204858 (22) 15.07.2024

(54) Coupler and coupling method

(71) Ingram Micro Inc.

(21) 2024204804 (22) 11.07.2024

(54) SYSTEMS AND METHODS FOR DISTRIBUTION MANAGEMENT INCLUDING SPECIAL PRICING DETERMINATION

(71) Ingram Micro Inc.

(21) 2024204805 (22) 11.07.2024

(54) SYSTEMS AND METHODS FOR DYNAMIC SKU GENERATION IN DISTRIBUTION MANAGEMENT

(71) Inguran, LLC

(21) 2024204802 (22) 11.07.2024

(54) SERIALIZED ARTIFICIAL INSEMINATION STRAWS AND SYSTEMS AND METHODS OF AUTHENTICATION

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(21) 2024204724

(71) Institut Curie; INSERM (Institut National de la Sante et de la Recherche Medicale)

(21) 2024204724 (22) 09.07.2024

(54) Methods for detecting inactivation of the homologous recombination pathway (BRCA1/2) in human tumors

(71) Integrity Implants Inc.

(21) 2024204856 (22) 15.07.2024

(54) Expandable fusion device with independent expansion systems

(71) Intuit Inc.

(21) 2024204770 (22) 10.07.2024

(54) Artificial intelligence and tracing-enabled automated healing for distributed mobile deployments

(71) James W. Schleiffarth

(21) 2024204736 (22) 09.07.2024

(54) Concentrator and crystallizer evaporation system

(71) Jaram Products Pty Ltd

(21) 2024204867 (22) 15.07.2024

(54) Shelf System And A Securing System For Use With Same

(71) Joy Global Surface Mining Inc

(21) 2024204857 (22) 15.07.2024

(54) Predictive replacement for heavy machinery

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation

(21) 2024204846 (22) 15.07.2024

(54) Electrode, membrane electrode assembly, electrochemical cell, stack, and electrolyzer

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation

(21) 2024204879 (22) 16.07.2024

(54) Cathode gas supply system and carbon recycling system

(71) Karius, Inc.

(21) 2024204822 (22) 12.07.2024

(54) Synthetic nucleic acid spike-ins

(71) Karyopharm Therapeutics Inc.

(21) 2024204818 (22) 12.07.2024

(54) Nuclear transport modulators and uses thereof

Katholieke Universiteit Leuven see Novartis AG

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(71) Kelly Slater Wave Company, LLC

(21) 2024204780 (22) 11.07.2024

(54) WAVE POOL AND WAVE GENERATOR FOR BI-DIRECTIONAL AND DYNAMICALLY-SHAPED SURFING WAVES

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(71) LG ELECTRONICS INC.

(21) 2024204742 (22) 10.07.2024

(54) REFRIGERATOR

(71) LUMITEX, INC.

(21) 2024204727 (22) 09.07.2024

(54) ILLUMINATED SURGICAL CANNULA

(71) Mahindra & Mahindra Limited

(21) 2024204852 (22) 15.07.2024

(54) A DIESEL EXHAUST FLUID STORAGE TANK FOR A VEHICLE

(71) Manitou Italia S.r.l.

(21) 2024204797 (22) 11.07.2024

(54) Safety system for working machine

(71) Maschinenfabrik Bernard Krone GmbH & Co. KG

(21) 2024204800 (22) 11.07.2024

(54) HAYMAKING MACHINE

(71) Maschinenfabrik Bernard Krone GmbH & Co. KG

(21) 2024204801 (22) 11.07.2024

(54) HAYMAKING MACHINE

(71) McCain Foods Limited

(21) 2024204808 (22) 12.07.2024

(54) Blade assembly for cutting food

(71) McCain Foods Limited

(21) 2024204809 (22) 12.07.2024

(54) Blade assembly for cutting food

(71) McCain Foods Limited

(21) 2024204810 (22) 12.07.2024

(54) Blade assembly for cutting food

(71) MERLIN LABS, INC.

(21) 2024204790 (22) 11.07.2024

(54) System and/or Method for Semantic Parsing of Air Traffic Control Audio

(71) Miles, S.

(21) 2024204855 (22) 15.07.2024

(54) VEHICLE MIRRORS

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(71) Mountain Top (Denmark) ApS
(21) 2024204878 (22) 16.07.2024
(54) A rear corner element

(71) Mountain Top (Denmark) ApS
(21) 2024204888 (22) 16.07.2024
(54) A lid arrangement for a canister for a retractable rollup truck bed cover

(71) MW Toolbox Manufacturing (VIC) Pty Ltd
(21) 2024204848 (22) 15.07.2024
(54) Moon-shaped Key Lock Cylinder whale lock

(71) Mybiotics Pharma Ltd.
(21) 2024204814 (22) 12.07.2024
(54) COMPOSITION AND METHODS FOR MICROBIOTA THERAPY

(71) NAVICO, INC.
(21) 2024204824 (22) 12.07.2024
(54) SYSTEMS AND METHODS FOR GENERATING ROUTES FOR WATER-CRAFT

(71) Netsweeper (Barbados) Inc.
(21) 2024204882 (22) 16.07.2024
(54) Computer Network System and Process for Collecting Tax on Online Commerce

(71) Novartis AG; Korea Research Institute of Chemical Technology; Katholieke Universiteit Leuven
(21) 2024204863 (22) 15.07.2024
(54) Antiviral 1,3-di-oxo-indene compounds

(71) Novel Microdevices, Inc.
(21) 2024204813 (22) 12.07.2024
(54) SAMPLE PROCESSING DEVICE COMPRISING MAGNETIC AND MECHANICAL ACTUATING ELEMENTS USING LINEAR OR ROTATIONAL MOTION AND METHODS OF USE THEREOF

(71) Nunhems B.V.
(21) 2024204768 (22) 10.07.2024
(54) TOMATO VARIETY NUN 05073 TOF

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(21) 2024204837

(71) Optimaviz Analytics Pty Ltd
(21) 2024204843 (22) 14.07.2024

(54) Optimaviz application: A step-by-step curated process for optimizing industrial processes and business using visualization, machine learning, and artificial intelligence techniques, and high-performance region method.

(71) PjL Group Pty Ltd
(21) 2024204766 (22) 10.07.2024
(54) LOCKING DEVICE FOR A GROUND ENGAGING TOOL

(71) Precigen, Inc.
(21) 2024204877 (22) 16.07.2024
(54) CD33 specific chimeric antigen receptors

(71) President and Fellows of Harvard College; BASF SE
(21) 2024204893 (22) 16.07.2024
(54) MICROSPHERES COMPRISING POLYDISPERSE POLYMER NANOSPHERES AND POROUS METAL OXIDE MICROSPHERES

(71) PrismsID Limited
(21) 2024204834 (22) 12.07.2024
(54) LABEL DATA PROCESSING SYSTEM

(71) Punch International Trust
(21) 2024204842 (22) 13.07.2024
(54) Coupling arrangement for use with an exercise or training aid

(71) Pyrogenesis Canada Inc.
(21) 2024204876 (22) 16.07.2024
(54) DC ARC FURNACE FOR WASTE MELTING AND GASIFICATION

(71) R2E Enterprises Ltd
(21) 2024204811 (22) 12.07.2024
(54) A KINETIC ENERGY HARVESTING SYSTEM

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(21) 2024204881

(71) ResMed Asia Pte. Ltd.
(21) 2024204860 (22) 15.07.2024
(54) PATIENT INTERFACE WITH FOAM CUSHION

(71) Rodriguez, R.
(21) 2024204798 (22) 11.07.2024
(54) METHODS AND SYSTEMS FOR ENHANCING LIVENESS DETECTION OF IMAGE DATA

(71) RYAN NT INTERNATIONAL PTY LTD
(21) 2024204731 (22) 09.07.2024
(54) PRESS WHEEL

(71) SAGEMCOM BROADBAND SAS
(21) 2024204787 (22) 11.07.2024
(54) METHOD FOR AUTOMATICALLY AUTHENTICATING A RESIDENTIAL GATEWAY

(71) Sanofi Biotechnology; Regeneron Pharmaceuticals, Inc.
(21) 2024204881 (22) 16.07.2024
(54) Compositions for the treatment of rheumatoid arthritis and methods of using same

(71) Scanna MSC Limited
(21) 2024204786 (22) 11.07.2024
(54) DEPLOYING ELECTRIC FIELDS

(71) Schneider Electric (Australia) Pty Limited
(21) 2024204754 (22) 10.07.2024
(54) CONNECTION SYSTEM AND METHOD FOR ELECTRICAL OUTLETS

(71) SELC Ireland Ltd.
(21) 2024204849 (22) 15.07.2024
(54) Streetlight asset module, streetlights and related systems

(71) Selecta Biosciences, Inc.
(21) 2024204850 (22) 15.07.2024
(54) Methods and compositions related to combined treatment with anti-inflammatories and synthetic nanocarriers comprising an immunosuppressant

(71) Selecta Biosciences, Inc.
(21) 2024204851 (22) 15.07.2024
(54) Formulations and doses of pegylated uricase

(71) SHAHEEN INNOVATIONS HOLDING LIMITED
(21) 2024204767 (22) 10.07.2024
(54) Mist inhaler devices

(71) Shanghai Hanshi Information Technology Co., Ltd.
(21) 2024204738 (22) 10.07.2024
(54) COMMODITY IMAGE INFORMATION ACQUISITION SYSTEM, METHOD AND APPARATUS

(71) Sigilon Therapeutics, Inc.
(21) 2024204785 (22) 11.07.2024
(54) AFIBROTIC COMPOUNDS, DEVICES, AND USES THEREOF

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(71) Société des Produits Nestlé S.A. (21) 2024204833 (22) 12.07.2024 (54) Modular production line and process for using it	(71) The Council of The Queensland Insti-tute of Medical Research (21) 2024204831 (22) 12.07.2024 (54) Methods of treating autoimmune dis-ease using allogeneic T cells	(71) Trina Solar Co., Ltd. (21) 2024204845 (22) 15.07.2024 (54) Solar cell and preparation method thereof, photovoltaic module, and photovoltaic system
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(71) Stryker European Operations Limited (21) 2024204795 (22) 11.07.2024 (54) Transformation selection technique based on tracker movement	(71) Topelia Aust Limited (21) 2024204821 (22) 12.07.2024 (54) Products of manufacture and methods for treating, ameliorating or preventing coronavirus infection	University of Massachusetts see The Jack-son Laboratory (21) 2024204725
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(71) Xi'an University of Science and Technology

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(54) METHOD FOR EVALUATING RELATIVE CONTENT AND DEGREE OF LIBERATION OF COAL MACERALS BASED ON DENSITY DISTRIBUTION

(71) XING POWER INC.

(21) 2024204829 (22) 12.07.2024

(54) BATTERY MODULE AND BATTERY SYSTEM

(71) YANG, Y.

(21) 2024204872 (22) 16.07.2024

(54) Coffee powder distributing and tamping device

(71) Yantai Pacific Home Fashion Co., Ltd.

(21) 2024204774 (22) 10.07.2024

(54) SOFT GREY CLOTH MADE OF FLAX YARNS AND PRODUCTION METHOD

(71) Zinniatek Limited

(21) 2024204783 (22) 11.07.2024

(54) A ROOF, SIDING, OR CLADDING, OR RIDGE OR HIP MEMBER FOR A ROOF

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2024204861 Ignis Technologies Pty Ltd
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Applications listed below were processed through the Patent Office Canberra during the period ending 9 Jul 2024 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) Apple Inc.
(21) 2024100021 (22) 12.07.2024
(54) User interfaces for viewing and refining the current location of an electronic device
(62) 2024100009

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Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

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

The codes next to each number have the following meanings:

Code Meaning

- 1 Application Lapsed Section 142(2)(a)
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- 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
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 2022202679 (5C) 2022202681 (5C) 2022202814 (5C)
 2022202850 (5C) 2022202921 (5C) 2022203340 (5C)
 2022203406 (5C) 2022203792 (5C) 2022204129 (5C)
 2022204530 (5C) 2022204540 (5C) 2022204565 (5C)
 2022204603 (25D) 2022204754 (5C) 2022204847 (5C)
 2022204873 (5C) 2022206705 (5C) 2022209251 (5C)
 2022209346 (5C) 2022209354 (5C) 2022209355 (5C)
 2022211787 (5C) 2022221579 (5C) 2022224709 (5C)
 2022256125 (5C) 2022259709 (5C) 2022259768 (4C)
 2022259828 (5C) 2022271510 (5C) 2022275534 (5C)

2023

2023202993 (5CN) 2023203098 (5C) 2023226640 (25D)
 2023902241 (12AN) 2023902254 (12AN) 2023902296 (12AN)
 2023903360 (12AN)

2024

2024202967 (7AN) 2024202970 (7CN) 2024203004 (7CN)
 2024204229 (12AN) 2024900089 (12AN) 2024902004 (12AN)
 2024902052 (12AN) 2024902056 (12AN) 2024902057 (12AN)
 2024902090 (12AN)

Assignments before Grant, Section 113

2018

2018236683 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2018250486 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2018265313 AT-PAC China Business Trust The application has been assigned to **Atlantic Pacific Equipment, LLC**

2018267611 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2018271314 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2018271317 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2019

2019200597 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2019210672 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

Assignments before Grant, Section 113

2019213421 Toro Australia Pty Limited The application has been assigned to **AMES Australasia Pty Ltd**

2019213421 Toro Australia Pty Limited The application has been assigned to **AMES Australasia Pty Ltd**

2019222941 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2019312087 HURNIK, Daniel; DINGWELL, Scott Christopher; LITTLEJOHN, Curtiss Gerard The application has been assigned to **11778188 CANADA INC.**

2020

2020201585 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2020202019 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2020202071 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2020203277 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2020244571 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2020267200 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2020267206 Taiga Biotechnologies, Inc. The application has been assigned to **HTYR ACQUISITION LLC**

2020286221 TONIX PHARMACEUTICALS HOLDING CORP. The application has been assigned to **TONIX PHARMA LIMITED.**

2020294320 Simpson, Ryan The application has been assigned to **Tidy, Nicholas**

2020315932 Müller, Franz-Josef; Schuldt, Bernhard; The Scripps Research Institute; Aspen Neuroscience, Inc. The application has been assigned to **The Scripps Research Institute; Aspen Neuroscience, Inc.**

2020346914 Lacerta Therapeutics, Inc The application has been assigned to **Prevail Therapeutics, Inc.**

2020358119 Toro Australia Pty Limited The application has been assigned to **AMES Australasia Pty Ltd**

2020358119 Toro Australia Pty Limited The application has been assigned to **AMES Australasia Pty Ltd**

2020359662 Toro Australia Pty Limited The application has been assigned to **AMES Australasia Pty Ltd**

Assignments before Grant, Section 113

2021

2021201394 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2021201509 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2021223787 Sanofi Foreign Participations BV The application has been assigned to **Sanofi Pasteur Inc.**

2021254577 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2021266328 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2021286143 Aesculap AG The application has been assigned to **IHI Ionbond AG; Aesculap AG**

2021288648 Chia Tai Tianqing Pharmaceutical Group Co., Ltd.; Med-shine Discovery Inc. The application has been assigned to **Chia Tai Tianqing Pharmaceutical Group Co., Ltd.**

2021376338 AERIE PHARMACEUTICALS, INC. The application has been assigned to **ALCON INC.**

2021396290 NATIONAL UNIVERSITY HOSPITAL (SINGAPORE) PTE LTD; THE BIOFACTORY PTE LTD The application has been assigned to **NATIONAL UNIVERSITY HOSPITAL (SINGAPORE) PTE LTD**

2021397638 NATIONAL UNIVERSITY HOSPITAL (SINGAPORE) PTE LTD; THE BIOFACTORY PTE LTD The application has been assigned to **NATIONAL UNIVERSITY HOSPITAL (SINGAPORE) PTE LTD**

2022

2022205176 Evolva SA The application has been assigned to **Danstar Ferment AG**

2022217309 TUOJIE BIOTECH (SHANGHAI) CO., LTD. The application has been assigned to **JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.**

2022257597 AERIE PHARMACEUTICALS, INC. The application has been assigned to **ALCON INC.**

2022264917 AERIE PHARMACEUTICALS, INC. The application has been assigned to **ALCON INC.**

2022271435 Aerie Pharmaceuticals, Inc The application has been assigned to **ALCON INC.**

2022271472 NanoString Technologies, Inc. The application has been assigned to **Bruker Spatial Biology, Inc.**

2022283672 Evolva SA The application has been assigned to **Danstar Ferment AG**

Assignments before Grant, Section 113

2022287670 ALSTOM Transport Technologies The application has been assigned to **ALSTOM Holdings**

2022304597 AERIE PHARMACEUTICALS, INC. The application has been assigned to **ALCON INC.**

2022361055 AERIE PHARMACEUTICALS, INC. The application has been assigned to **ALCON INC.**

2022409839 AERIE PHARMACEUTICALS, INC. The application has been assigned to **ALCON INC.**

2022433635 AERIE PHARMACEUTICALS, INC. The application has been assigned to **ALCON INC.**

2023

2023202314 Hycroft Mining Holding Corporation The application has been assigned to **Alderley Gold Corp.**

2023203831 TONIX PHARMACEUTICALS HOLDING CORP. The application has been assigned to **TONIX PHARMA LIMITED.**

2023208039 GIDDU PHUTANA, INC. The application has been assigned to **PERSPECTIVE TECHNOLOGIES, LLC**

2023274239 IRRAS AB The application has been assigned to **IR-RAS USA, Inc.**

2023903516 The New Zealand Institute for Plant and Food Research Limited; Killeen, Daniel; Topal, Taylan The application has been assigned to **The New Zealand Institute for Plant and Food Research Limited**

2024

2024200962 Evolva SA The application has been assigned to **Dan-star Ferment AG**

2024202764 Genisphere LLC The application has been assigned to **Code Biotherapeutics, Inc.**

2024203956 Flagship Pioneering, Inc. The application has been assigned to **Flagship Pioneering Innovations V, Inc.**

2024204171 Evolva SA The application has been assigned to **Dan-star Ferment AG**

2024900937 The New Zealand Institute for Plant and Food Research Limited; Atkinson, Ross; Yauk, Yar-Khing The application has been assigned to **The New Zealand Institute for Plant and Food Research Limited**

2024901117 Kambuts, Suzanne The application has been assigned to **Airiel IP Pty Ltd**

Extensions of Time, Section 223

Applications Received

Extensions of Time, Section 223

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.

2016

2016400405 **Sarudbhava Formulations Private Limited** An application to extend the time from 30 Sep 2023 to 30 Jul 2024 in which to pay a continuation fee has been filed . Address for service - Acumen Intellectual Property PO Box 140 Berridale NSW 2628 AU

2023

2023201275 **Black & Decker Inc.** An application to extend the time from 21 Dec 2023 to 21 Jul 2024 in which to pay a continuation fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

Applications Allowed - Section 223(2)

2011

2011236014 **Sustaine Energy Pty. Ltd.** The time in which to pay a renewal fee has been extended to 13 Mar 2024 . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

2015

2015293633 **The Pirbright Institute** The time in which to pay a renewal fee has been extended to 23 Mar 2024 . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

2017

2017201558 **Australian Rain Technologies Pty Limited** The time in which to pay a renewal fee has been extended to 02 Feb 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018

2018337066 **OZX IP Pty Ltd** The time in which to pay a continuation fee has been extended to 24 Apr 2024 . Address for service - mdp Patent and Trade Mark Attorneys PO Box 273 Collins Street West VIC 8007 AU

2018337670 **SERAFINI, P.A.** The time in which to pay a continuation fee has been extended to 20 Apr 2024 . Address for service - Patenteur Pty Ltd Amberley Business Centre IBM Building L 3 1060 Hay St West Perth WA 6005 AU

2018422284 **Advanced Wetting Technologies Pty Ltd** The time in which to pay a continuation fee has been extended to 17 Apr 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019

2019204291 **Thales** The time in which to pay a continuation fee has been extended to 19 Feb 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

Extensions of Time, Section 223

2019248463 **CircSaw Technologies LLC** The time in which to pay a continuation fee has been extended to 26 Feb 2024 . Address for service - LAMINAR IP PTY LTD PO Box 599 Milsons Point NSW 1565 AU

2019249812 **CircSaw Technologies LLC** The time in which to pay a continuation fee has been extended to 25 Feb 2024 . Address for service - LAMINAR IP PTY LTD PO Box 599 Milsons Point NSW 1565 AU

2019459217 **Babyation Inc.** The time in which to request examination has been extended to 07 Aug 2024 . Address for service - Oxygene IP PO Box 611 BALWYN NORTH VIC 3104 AU

2019459693 **Fujitsu Limited** The time in which to pay a renewal fee has been extended to 01 Mar 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020

2020101265 **Yarramen Pty Ltd** The time in which to pay a renewal fee has been extended to 06 Sep 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020310078 **Assess Threat Pty Ltd** The time in which to request examination has been extended to 09 Jul 2024 . Address for service - FOUNDRY INTELLECTUAL PROPERTY PTY LTD PO Box Q1466 Queen Victoria Building NSW 1230 AU

2020311050 **Unichem Laboratories Ltd** The time in which to request examination has been extended to 16 Jul 2024 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2021

2021203360 **NOWWW.US PTY LTD** The time in which to gain acceptance has been extended to 25 Aug 2024 . Address for service - Lance Arthur Roman-Miller PO Box R813 Royal Exchange NSW 1225 AU

2022

2022275524 **SG Gaming ANZ Pty Ltd** The time in which to pay a continuation fee has been filed 20 Feb 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2024

2024201780 **BROWN INDUSTRIES AUSTRALIA PTY LTD** The time in which to comply with a direction under Reg 3.2A has been extended to 20 Jun 2024 . Address for service - SPRINTLAW PTY LTD 20-40 Meagher St Chippendale NSW 2008 AU

Section 223(1) Allowances**2018**

2018422283 **Advanced Wetting Technologies Pty Ltd** The time in which to pay a continuation fee has been extended to 17 Apr 2024

Amendments**Applications for Amendment**

A person interested in opposing the allowance of amendments under Section 104 may at any time within two months from the date of this

Amendments

journal give notice at the Patent Office using the approved form accompanied by the prescribed fee.

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

2014

2014226094 Antibodies that bind IL-23 **Eli Lilly and Company** The nature of the amendment is as shown in the statement(s) filed 23 May 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015

2015221578 SYSTEMS AND METHODS FOR COMPILATION AND DISTRIBUTION OF AIR CARGO SECURITY INFORMATION **WiseTech Global (Licensing) Pty Ltd** The nature of the amendment is: Add Co-Inventor: White, Richard . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2015224375 VOLUMETRIC ESTIMATION METHODS, DEVICES, & SYSTEMS **WiseTech Global (Licensing) Pty Ltd** The nature of the amendment is: Add co-inventor WHITE, Richard . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2016

2016243120 Genetically modified NK-92 cells and monoclonal antibodies for the treatment of cancer **ImmunityBio, Inc.** The nature of the amendment is: Add patentee: Institute for Cancer Research D/B/A The Research Institute of Fox Chase Cancer Center . Address for service - Pizzey's Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2016243120 Genetically modified NK-92 cells and monoclonal antibodies for the treatment of cancer **ImmunityBio, Inc.** The nature of the amendment is: Add inventor: Campbell, Kerry . Address for service - Pizzey's Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2016248946 Therapeutic antibodies and their uses **Pfizer Inc.** The nature of the amendment is as shown in the statement(s) filed 21 Jun 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016349786 Anti-CD3-folate conjugates and their uses **Ambrx, Inc.** The nature of the amendment is as shown in the statement(s) filed 01 Jul 2024 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2018

2018356242 Expansion anchor with sleeve abutment walls **Hilti Aktiengesellschaft** The nature of the amendment is as shown in the statement(s) filed 19 Jun 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020

2020475251 ABLATION PROBE SYSTEMS **TRIAGENICS, INC.** The nature of the amendment is as shown in the statement(s) filed 10

Amendments

Jul 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2022

2022263559 Nanoalum particles containing a sizing agent **ACCESS TO ADVANCED HEALTH INSTITUTE** The nature of the amendment is as shown in the statement(s) filed 15 Jul 2024 . Address for service - AJ PARK PO Box 949 Wellington 6140 NZ

Amendments Made

2013

2013338393 **The Johns Hopkins University** The nature of the amendment is as shown in the statement(s) filed 12 Apr 2024

2014

2014364587 **Genentech, Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Mar 2024

2015

2015243882 **Seattle Children's Hospital (dba Seattle Children's Research Institute)** The nature of the amendment is as shown in the statement(s) filed 07 Mar 2024

2016

2016284331 **United States Gypsum Company** The nature of the amendment is as shown in the statement(s) filed 15 Mar 2024

2016366548 **Corvus Pharmaceuticals, Inc.; BioAtla, LLC** The nature of the amendment is as shown in the statement(s) filed 04 Dec 2023 and 18 April 2024

2017

2017203206 **The Johns Hopkins University** The nature of the amendment is as shown in the statement(s) filed 12 Apr 2024

2017283720 **Alexion Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 26 Mar 2024

2017421288 **Corning Research & Development Corporation** The nature of the amendment is as shown in the statement(s) filed 16 Apr 2024

2018

2018239993 **Bayer Healthcare LLC** The nature of the amendment is: Amend the name of the inventor to read Sirihorachai, Rachan; Bradley, Reginald D.; Rosar, Paul D.; Ekpe, Anthony and Joshi, Charu

2018260557 **Phase IV Engineering, Inc.** The nature of the amendment is as shown in the statement filed 25 May 2023

2018293932 **South East Water Corporation** The nature of the amendment is as shown in the statement(s) filed 10 Apr 2024

2018340866 **Mining and Process Solutions Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read ORABY, Elsayed Abdelrady and EKSTEEN, Jacobus Johannes

Amendments

2019

2019233772 **The Secretary of State for Defence** The nature of the amendment is: Amend the invention title to read Explosively driven jet disruptor with configurable shape

2019324949 **Newcrest Mining Limited** The nature of the amendment is: Amend the name of the inventor to read VOLLERT, Luke; SEAMAN, David and SEAMAN, Brigitte Angela

2019343453 **Hilti Aktiengesellschaft** The nature of the amendment is: Amend the invention title to read Use of salts as accelerators in an epoxy resin compound for chemical fastening

2020

2020326773 **ProCrewz, Inc.** The nature of the amendment is: Amend the invention title to read Reporting login geo-location for geo-fenced remote clock-in/clock-out verification of a remote employment management system

2020374844 **GenFleet Therapeutics (Shanghai) Inc.; Zhejiang GenFleet Therapeutics Co., Ltd.** The nature of the amendment is as shown in the statement filed 19 Mar 2024

2020410906 **Chen, C.H.** The nature of the amendment is as shown in the statement(s) filed 03 Apr 2024

2021

2021206895 **Pfizer Inc.** The nature of the amendment is as shown in the statement(s) filed 28 Mar 2024

2021256364 **Mitsubishi Heavy Industries, Ltd.** The nature of the amendment is as shown in the statement(s) filed 09 Apr 2024

2021276736 **S3 Group Ltd.** The nature of the amendment is: Amend the name of the inventor to read SONNTAG, Bob; WOODS, Kent; BRAUN, James and MARQUES, AI

2021318678 **Sekisui House, Ltd.** The nature of the amendment is: Amend the invention title to read Diagonal beam joining hardware and beam connecting structure

2021332888 **CHEN, C.; SU, C.; SU, J.** The nature of the amendment is: Amend the invention title to read METHOD AND VARIOUS APPLICATIONS OF DELIVERING OBJECT RELATED MESSAGES BY USING WIDE-FREQUENCY SOUND SIGNAL

2021374990 **HINGE HEALTH, INC.** The nature of the amendment is as shown in the statement(s) filed 21 Mar 2024

2021430456 **MITSUBISHI ELECTRIC CORPORATION** The nature of the amendment is: Amend the invention title to read COMMAND DEVICE, CHARGE-DISCHARGE CONTROL SYSTEM, POWER CONTROL SYSTEM, CENTRAL COMMAND DEVICE, SETTING VALUE MANAGEMENT DEVICE, CHARGE-DISCHARGE CONTROL METHOD, AND PROGRAM

2021451504 **FUJITSU LIMITED** The nature of the amendment is: Amend the invention title to read Information processing program, information processing method, and information processing apparatus

Amendments

2022

2022201391 **Instrumentation Laboratory Company** The nature of the amendment is as shown in the statement(s) filed 16 Apr 2024

2022202083 **Natera, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Apr 2024

2022409610 **INTERVET INTERNATIONAL B.V.** The nature of the amendment is: Amend the name of the inventor to read MORSEY, Mo-hamad and ZHANG, Yuanzheng

2022421051 **BIONTECH SE** The nature of the amendment is: Amend the name of the inventor to read REINSCH, Christian; ESTAPÉ IZQUIERDO, David; POETTING, Sierk; SAHIN, Ugur; MUIK, Alexander; PORAN, Asaf; LANG, Martin; HENNIG, Oliver; PIETRON-KATTMANN, Karsten; BRUNEN, Manfred Joseph; KRÖNER, Rainer; BÜTTNER, Mario; STEGMANN, Sven; HOFFMANN, Kristin and WILDEMANN, Horst

2022421952 **ANAXIS PHARMA PTY LTD** The nature of the amendment is: Amend the name of the inventor to read BRZOWSKI, Martin; POITEVIN, Christophe; GARNIER, Jean-Marc Daniel; GARDNER, Christopher; LESSENE, Guillaume Laurent; CZABOTAR, Peter Edward; SCHUSTER-KLEIN, Carole Annie; DAVIES, Katherine; COWAN, Angus and KERSTEN, Wilhelmus Johannes Antonius

2022434339 **KABUSHIKI KAISHA EARTHTECHNICA** The nature of the amendment is: Amend the invention title to read Jaw crusher and method of adjusting gap width of jaw crusher

2022436150 **TOHO TITANIUM CO.,LTD.** The nature of the amendment is: Amend the invention title to read Titanium porous body, and method for producing titanium porous body

2023

2023200226 **Wu, M.** The nature of the amendment is: Amend the invention title to read ADAPTING ASSEMBLY OF A CEILING FAN AND CEILING FAN HAVING THE SAME

2023201920 **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Apr 2024

2023206268 **ANGEL GROUP CO., LTD.** The nature of the amendment is: Amend the invention title to read MANAGEMENT SYSTEM AND GAMING CURRENCY

2023218104 **NIPPON STEEL CORPORATION; VALLOUREC OIL AND GAS FRANCE** The nature of the amendment is: Amend the invention title to read Oil-Well Metal Pipe

2023233108 **Agresta, F.** The nature of the amendment is as was notified in the Supplement to the Official Journal dated 02 May 2024

2024

2024203786 **GUANGZHOU JOYSON CLEANING PRODUCTS CO., LTD.** The nature of the amendment is: Amend the invention title to read ONE-PIECE WASHING TABLET MADE FROM COMBINATION OF COMPOSITIONS AND PREPARATION METHOD THEREOF

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

Amendments

2006

2006303801 Heptagon Micro Optics Pte. Ltd. The name of the patentee has been altered to **ams-OSRAM Asia Pacific Pte. Ltd.**

2012

2012326456 Gregg Marine, LLC The name of the patentee has been altered to **Seas Geosciences, LLC**

2013

2013237141 Heptagon Micro Optics Pte. Ltd. The name of the patentee has been altered to **ams-OSRAM Asia Pacific Pte. Ltd.**

2016

2016381351 Corium, Inc. The name of the patentee has been altered to **Corium, LLC.**

2017

2017349924 Brainsway Ltd; EIMindA Ltd.; BGN Technologies Ltd. The name of the applicant has been altered to **Brainsway Ltd; EIMindA Ltd.; B. G. Negev Technologies and Applications Ltd.**

2018

2018229439 Allsenso Sp. z o.o. The name of the patentee has been altered to **Otodata Technologies Europe Sp. z o. o.**

2019

2019327202 Viage SPRL The name of the applicant has been altered to **BIMPRINTER SRL**

2019354562 Okra Medical, Inc. The name of the applicant has been altered to **SafeMedWaste, Inc.**

2020

2020326597 Salaris Ltd. The name of the applicant has been altered to **Microsalt PLC**

2020332244 3nine AB The name of the applicant has been altered to **Grimaldi Development AB**

2020333555 9 Meters Biopharma, Inc. The name of the applicant has been altered to **Interlude Biopharma Co.**

2021

2021226138 Picomole Inc. The name of the applicant has been altered to **Breathe BioMedical Inc.**

2021226139 Picomole Inc. The name of the applicant has been altered to **Breathe BioMedical Inc.**

2021227720 Picomole Inc. The name of the applicant has been altered to **Breathe BioMedical Inc.**

2021227721 Picomole Inc. The name of the applicant has been altered to **Breathe BioMedical Inc.**

Amendments

2021228377 Picomole Inc. The name of the applicant has been altered to **Breathe BioMedical Inc.**

2021228378 Picomole Inc. The name of the applicant has been altered to **Breathe BioMedical Inc.**

2021255955 9 Meters Biopharma, Inc. The name of the applicant has been altered to **Interlude Biopharma Co.**

2021269385 Brandenburg Innovation Limited The name of the patentee has been altered to **Caucus Innovation Limited**

2021354325 Kirkford Pty Ltd The name of the applicant has been altered to **Blackall Station Pty Ltd**

2021396608 AGRICOLA LUSIA S.R.L. The name of the applicant has been altered to **All Citrus S.R.L.**

2022

2022414203 BioCifer Pty Ltd; The University of the Sunshine Coast; DMTC Limited The name of the applicant has been altered to **BioCifer Pty Ltd; University of the Sunshine Coast; DMTC Limited**

2023

2023902302 Fortescue Metals Group Ltd The name of the applicant has been altered to **Fortescue Ltd**

2023902458 JOAT Floats The name of the applicant has been altered to **Metzner, J.**

2024

2024201546 LIN, WAN-YANG; EMINENCE ENTERPRISE CO., LTD. ; SUMMER SMILE INTERNATIONAL CO. The name of the applicant has been altered to **LIN, W.; EMINENCE INTERNATIONAL TRADING CO., LTD.; SUMMER SMILE INTERNATIONAL CO.**

2024204757 Full Circle International, Inc. The name of the applicant has been altered to **Full Circle International, Inc.; Annis, K.V.**

Applications Open to Public Inspection

Name Index

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

<p>(71) ABRAXIS BIOSCIENCE, LLC (11) AU-A-2024204661 (21) 2024204661 (22) 05.07.2024 (54) BIOMARKERS FOR NANOPARTICLE COMPOSITIONS (51) Int. Cl. <i>A61K 9/51</i> (2006.01) <i>A61K 31/436</i> (2006.01) <i>A61K 47/42</i> (2017.01) <i>A61P 35/00</i> (2006.01) (43) 25.07.2024 (62) 2021290200 (72) Desai, Neil P. (74) AJ PARK</p>	<p>(71) AMARIN PHARMACEUTICALS IRELAND LIMITED (11) AU-A-2024204634 (21) 2024204634 (22) 04.07.2024 (54) COMPOSITIONS AND METHODS FOR LOWERING TRIGLYCERIDES WITHOUT RAISING LDL-C LEVELS (51) Int. Cl. <i>C12P 7/64</i> (2022.01) (43) 25.07.2024 (62) 2023200392 (72) OSTERLOH, Ian; WICKER, Pierre; BRAECKMAN, Rene; SONI, Paresh; MANKU, Mehraj (74) AJ PARK</p>	<p>(43) 25.07.2024 (72) WANG, DAMING; WANG, JINCHENG (74) MOHAN MURALI KODIVEL</p>
<p>(71) Acres Technology (11) AU-A-2024204648 (21) 2024204648 (22) 04.07.2024 (54) Discounted Credits as Incentive to Play Gaming Devices (51) Int. Cl. <i>G06Q 20/24</i> (2012.01) (43) 25.07.2024 (62) 2022203038 (72) Acres, John F. (74) Golja Haines & Friend</p>	<p>(71) AMPLUS Co., Ltd. (11) AU-A-2023254943 (21) 2023254943 (22) 21.06.2023 (54) DISPLAY CONTROL APPARATUS, DISPLAY CONTROL METHOD, AND DISPLAY CONTROL PROGRAM (51) Int. Cl. <i>G06T 7/00</i> (2017.01) (31) 2023-001027 (32) 06.01.23 (33) JP (43) 25.07.2024 (72) KURACHI Nobuhisa (74) Spruson & Ferguson</p>	<p>(71) Anglo American Technical & Sustainability Services Ltd (11) AU-A-2024200166 (21) 2024200166 (22) 11.01.2024 (54) Drainage structure (51) Int. Cl. <i>C02F 11/16</i> (2006.01) <i>B01D 24/30</i> (2006.01) <i>E02B 11/00</i> (2006.01) <i>C02F 103/10</i> (2006.01) <i>C02F 103/16</i> (2006.01) (31) 63/438,279 (32) 11.01.23 (33) US (43) 25.07.2024 (72) FILMER, Anthony Owen; NEWMAN, Philip Duncan (74) FB Rice Pty Ltd</p>
<p>(71) Advanced Lithium Electrochemistry Co., Ltd. (11) AU-A-2023285732 (21) 2023285732 (22) 19.12.2023 (54) Manufacturing method of carbon-coated lithium iron phosphate material (51) Int. Cl. <i>H01M 4/1397</i> (2010.01) <i>C01B 25/45</i> (2006.01) <i>C01B 32/05</i> (2017.01) <i>H01M 4/04</i> (2006.01) <i>H01M 4/58</i> (2010.01) (31) 112101114 (32) 11.01.23 (33) TW (43) 25.07.2024 (72) WANG, Ya-Hui; TSAI, Feng-Yen (74) Spruson & Ferguson</p>	<p>(71) Anbio Biotechnology Limited; WANG, J. (11) AU-A-2023200676 (21) 2023200676 (22) 08.02.2023 (54) MICRO RED BLOOD CELL COLLECTION DEVICE AND METHOD FOR COLLECTING AND DETECTING GLYCOSYLATED HEMOGLOBIN (51) Int. Cl. <i>A61B 5/157</i> (2006.01) <i>B01J 20/28</i> (2006.01) <i>G01N 33/72</i> (2006.01) (31) 18/093,899 (32) 06.01.23 (33) US (43) 25.07.2024 (72) WANG, DAMING; WANG, JINCHENG (74) MOHAN MURALI KODIVEL</p>	<p>(71) Apple Inc. (11) AU-A-2024204717 (21) 2024204717 (22) 09.07.2024 (54) Devices, methods, and graphical user interfaces for interacting with user interface objects corresponding to applications (51) Int. Cl. <i>G06F 3/048</i> (2013.01) (43) 25.07.2024 (62) 2022203104 (72) TYLER, William M.; STACK, Caelan G.; DALONZO, Christian X.; DYE, Alan C.; FOSS, Christopher P.; FEDERIGHI, Craig M. (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) Aeroklas Company Limited (11) AU-A-2024200070 (21) 2024200070 (22) 04.01.2024 (54) Cargo Restraint System (51) Int. Cl. <i>B60P 7/08</i> (2006.01) <i>B60P 7/135</i> (2006.01) (31) 2303000034 (32) 06.01.23 (33) TH (43) 25.07.2024 (72) Vitoorapakorn, Ekawat; Vitoorapakorn, Supawadee (74) WRAYS PTY LTD</p>	<p>(71) Anbio Biotechnology Limited; WANG, J. (11) AU-A-2023200679 (21) 2023200679 (22) 08.02.2023 (54) DISPOSABLE PORTABLE LAMP DETECTION MAGNETIC BOX AND ITS CONSTANT TEMPERATURE HEATING DEVICE (51) Int. Cl. <i>G01N 35/00</i> (2006.01) <i>B01L 3/00</i> (2006.01) <i>B01L 7/00</i> (2006.01) <i>C12Q 1/6813</i> (2018.01) <i>G01N 1/44</i> (2006.01) <i>G01N 27/82</i> (2006.01) (31) 18/093,901 (32) 06.01.23 (33) US</p>	<p>(71) Apple Inc. (11) AU-A-2024204720 (21) 2024204720 (22) 09.07.2024 (54) Devices, methods, and graphical user interfaces for depth-based annotation (51) Int. Cl. <i>G11B 27/036</i> (2006.01) <i>A63F 13/213</i> (2014.01) <i>G06F 3/048</i> (2013.01) <i>G11B 27/34</i> (2006.01) <i>H04N 5/232</i> (2006.01) <i>H04N 5/262</i> (2006.01) (43) 25.07.2024 (62) 2022235625 (72) Malia, Joseph A.; Hauenstein, Mark K.; Sharma, Praveen; Stauber, Matan; Missig, Julian K.; Bernstein, Jeffrey T.; Girling, Lukas Robert Tom; Krenn, Mattheus (74) FPA Patent Attorneys Pty Ltd</p>

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C08G 65/331 (2006.01)
A61K 31/325 (2006.01)
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 (74) Griffith Hack

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 (21) 2023266332 (22) 16.11.2023
 (54) MULTI-FORM GAME PLATFORM FOR ONLINE AND SOCIAL GAMING
 (51) Int. Cl.
G07F 17/32 (2006.01)
A63F 13/30 (2014.01)
 (31) 18/153,262 (32) 11.01.23 (33) US
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 (72) Ashish Gupta; Vinay Khandelwal; Mayank Agarwal; Pardeep Rathee; Nitin Varshney; Sandeep Agarwal; Milind Shrivastava
 (74) James & Wells Intellectual Property

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 (54) Pressure vessel and method for filling it
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F16K 39/02 (2006.01)
F16K 15/02 (2006.01)
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 (72) JAHN, Andreas; ORTLEPP, Tobias
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 (54) Image data encoding/decoding method and apparatus
 (51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
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 (72) KIM, Ki Baek
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 (54) Image data encoding/decoding method and apparatus
 (51) Int. Cl.
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 (21) 2024204675 (22) 05.07.2024
 (54) Image data encoding/decoding method and apparatus
 (51) Int. Cl.
H04N 19/625 (2014.01)
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 (54) Image data encoding/decoding method and apparatus
 (51) Int. Cl.
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(71) BlueScope Steel Limited
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 (21) 2024204644 (22) 04.07.2024
 (54) Coating process
 (51) Int. Cl.
C09D 5/00 (2006.01)
C08J 7/04 (2020.01)
C23C 28/00 (2006.01)
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 (72) MacLaughlin, Shane A.; Xi, Binbin
 (74) Allens Patent & Trade Mark Attorneys

(71) Bolton, L.
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 (21) 2024204657 (22) 04.07.2024
 (54) A COVER FOR A CAVITY
 (51) Int. Cl.
F16L 5/02 (2006.01)
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H02G 3/04 (2006.01)
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 (74) Jones Tulloch

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 (21) 2023200117 (22) 10.01.2023
 (54) Method, apparatus and system for encoding and decoding a tensor
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G06N 3/0464 (2023.01)
G06T 9/00 (2006.01)
H04N 13/172 (2018.01)
H04N 19/132 (2014.01)
H04N 19/61 (2014.01)
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 (54) Method, apparatus and system for encoding and decoding a tensor
 (51) Int. Cl.
H04N 19/189 (2014.01)
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G06T 9/00 (2006.01)
H04N 19/196 (2014.01)
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(51) Int. Cl.
G03G 21/16 (2006.01)
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(72) MORI, Tomonori; UESUGI, Tetsuo
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(54) IMPROVED STRUCTURE OF PNEUMATIC ACTUATOR
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F15B 15/20 (2006.01)
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F15C 1/04 (2006.01)
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F16K 31/163 (2006.01)
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G05D 7/01 (2006.01)
(31) 112100334 (32) 05.01.23 (33) TW
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(72) CHEN, Kao-Sung
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(54) Pallet system as well as measuring component
(51) Int. Cl.
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(54) A solar panel arrangement for a transportable module
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H02S 30/20 (2014.01)
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(54) ACTIVE COMPRESSION APPARATUS, METHODS OF ASSEMBLY, AND METHODS OF USE
(51) Int. Cl.
A61B 17/66 (2006.01)
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- (71) Cooke, K.
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C07K 14/005 (2006.01)
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(72) BJÖRKLUND, Tomas; DAVIDSSON, Marcus
(74) WRAYS PTY LTD
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(54) A CURTAIN APPARATUS
(51) Int. Cl.
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(72) WEDEKIND, Jeffrey R.; BURNETTE, Douglas William; MANDAPAKA, Aditya; MCDANIEL, Zebediah L.; SIMPSON, Peter C.; GARCIA, Arturo
(74) FB Rice Pty Ltd
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(54) Adaptive Processing with Multiple Media Processing Nodes
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(54) Convertible baby safety car seat assembly
(51) Int. Cl.
B60N 2/28 (2006.01)
B62B 7/08 (2006.01)
B62B 7/12 (2006.01)
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 G01N 30/38 (2006.01)
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 B01J 20/291 (2006.01)
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 (54) CONDUIT CONNECTOR FOR A PATIENT BREATHING DEVICE
 (51) Int. Cl.
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 (72) GULLIVER, Laurence; RONAYNE, Michael Paul; IRVING, Charles William Douglas
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 (72) Lucas, Stephen H.; Tiverios, Peter G.; Rich, Lewis L.
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Geron Corporation
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 (54) Use of Telomerase Inhibitors for the Treatment of Myeloproliferative Dis-

orders and Myeloproliferative Neoplasms
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 A61K 31/7088 (2006.01)
 A61K 31/7125 (2006.01)
 A61P 7/00 (2006.01)
 A61P 7/06 (2006.01)
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 (74) Catalyst Intellectual Property

(71) Google LLC
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 (54) PLANE WAVE DUAL BASIS FOR QUANTUM SIMULATION
 (51) Int. Cl.
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 (54) FREQUENCY PATTERN FOR REDUCING PARASITIC INTERACTIONS IN A QUBIT GRID
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 C11D 1/26 (2006.01)
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 (74) LAMINAR IP PTY LTD

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 (54) METHOD OF DYNAMIC ADJUSTING TIMING BETWEEN ADJACENT NET-

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 (51) Int. Cl.
 H04W 56/00 (2009.01)
 H04B 7/01 (2006.01)
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 (74) FB Rice Pty Ltd

(71) HERON SAFETY SOLUTIONS PTY LTD
 (11) AU-A-2024200137
 (21) 2024200137 (22) 09.01.2024
 (54) Roof Access System
 (51) Int. Cl.
 E06C 9/02 (2006.01)
 E04D 13/035 (2006.01)
 E04G 21/32 (2006.01)
 E06C 7/42 (2006.01)
 (31) 2023900050 (32) 10.01.23 (33) AU
 (43) 25.07.2024
 (72) Harris, Rodney Thomas
 (74) Golja Haines & Friend

(71) Illinois Tool Works Inc.
 (11) AU-A-2023285977
 (21) 2023285977 (22) 22.12.2023
 (54) Fastener-driving tool with chamber member retaining assembly
 (51) Int. Cl.
 B25C 1/08 (2006.01)
 B25C 1/18 (2006.01)
 (31) 18/151275 (32) 06.01.23 (33) US
 (43) 25.07.2024
 (72) Moeller, Larry
 (74) Davies Collison Cave Pty Ltd

(71) Imagine Pharma, LLC
 (11) AU-A-2024204658
 (21) 2024204658 (22) 04.07.2024
 (54) Compositions and methods for propagating insulin-producing islet cells and therapeutic uses thereof
 (51) Int. Cl.
 A61K 38/03 (2006.01)
 A61K 35/39 (2015.01)
 A61P 5/00 (2006.01)
 C12N 5/071 (2010.01)
 (43) 25.07.2024
 (62) 2019295576
 (72) THAI, Ngoc; POLLETT, Jonathan
 (74) FPA Patent Attorneys Pty Ltd

(71) Implantica Patent Ltd
 (11) AU-A-2024204659
 (21) 2024204659 (22) 04.07.2024
 (54) System For Treating A Patient Having An Intestinal Disorder
 (51) Int. Cl.
 A61N 1/36 (2006.01)
 A61F 2/00 (2006.01)

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

(71) Innovative Constructions Australia Pty Ltd
(11) AU-A-2024204630
(21) 2024204630 (22) 03.07.2024
(54) Construction system, components for a construction system and method of construction using components of a construction system
(51) Int. Cl.
E04G 17/04 (2006.01)
E04B 2/86 (2006.01)
E04C 5/16 (2006.01)

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(72) Campbell, Anthony John
(74) Acumen Intellectual Property

(71) Inovio Pharmaceuticals, Inc.; The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology
(11) AU-A-2024204649
(21) 2024204649 (22) 04.07.2024
(54) DNA monoclonal antibodies targeting checkpoint molecules
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61K 48/00 (2006.01)

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(72) MUTHUMANI, Karuppiah; SARDESAI, Niranjan; WEINER, David
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(21) 2024204724

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(11) AU-A-2024204724
(21) 2024204724 (22) 09.07.2024
(54) Methods for detecting inactivation of the homologous recombination pathway (BRCA1/2) in human tumors
(51) Int. Cl.
C12Q 1/68 (2018.01)

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(72) STERN, Marc-Henri; MANIE, Elodie; POPOVA, Tatiana
(74) Spruson & Ferguson

(71) International Business Machines Corporation
(11) AU-A-2024204706
(21) 2024204706 (22) 08.07.2024
(54) Autonomous driving evaluation using data analysis

(51) Int. Cl.
G08G 1/16 (2006.01)
G06Q 10/06 (2023.01)
(43) 25.07.2024
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(72) SAKAMOTO, Yoshifumi; AOTA, Kentaro; COHN, John; GROEGER, Hardy
(74) Spruson & Ferguson

(71) Intervet International B.V.
(11) AU-A-2024204698
(21) 2024204698 (22) 08.07.2024
(54) Canine antibodies with modified CH2-CH3 sequences
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/00 (2006.01)

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(72) MORSEY, Mohamad; ZHANG, Yuanzheng; TARPEY, Ian
(74) Spruson & Ferguson

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(21) 2024204716

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(21) 2023222908

Komatsu Ltd. see Toyota Jidosha Kaishiki Kaisha
(21) 2023285910

(71) KOREA ZINC CO.,L TD.
(11) AU-A-2023222954
(21) 2023222954 (22) 10.05.2023
(54) METHOD FOR RECOVERING IRON AND VALUABLE METALS FROM ELECTRIC ARC FURNACE DUST
(51) Int. Cl.
C22B 7/02 (2006.01)
(31) 10-2023-0002979 (32) 09.01.23 (33) KR
(43) 25.07.2024
(72) CHOI, Heon Sik; KANG, Sung Moon
(74) ET Intellectual Property

(71) KOREA ZINC CO., LTD.; KEMCO
(11) AU-A-2023222908
(21) 2023222908 (22) 31.03.2023
(54) METHOD FOR PRODUCING NICKEL SULFATE SOLUTION FOR SECONDARY BATTERY FROM NICKEL CATHODE
(51) Int. Cl.
C01G 53/10 (2006.01)
C22B 3/00 (2006.01)
C22B 3/08 (2006.01)
H01M 10/54 (2006.01)
(87) WO2023/243832
(31) 10-2023-0004092 (32) 11.01.23 (33) KR
(43) 25.07.2024
(72) CHOI, Heon Sik; JOO, Jae Hoon; LEE, Tae Kyung
(74) ET Intellectual Property

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(21) 2024204687 (22) 05.07.2024
(54) Equipment for forming paper packages and methods of use
(51) Int. Cl.
B65B 11/10 (2006.01)
B65B 41/12 (2006.01)
B65B 59/00 (2006.01)
B65B 9/06 (2012.01)
(43) 25.07.2024
(62) 2020397616
(72) DENNIS, Andrew; FERRIS, Kevin; LOXLEY, Phillip; MUMAN, Leesha; THISTLETON, Ben
(74) Griffith Hack

(71) Kratos Integral Holdings, LLC
(11) AU-A-2024204723
(21) 2024204723 (22) 09.07.2024
(54) System And Method For Processing Signals Using Feed Forward Carrier And Timing Recovery
(51) Int. Cl.
H04B 7/022 (2017.01)
H04L 1/06 (2006.01)
(43) 25.07.2024
(62) 2019401924
(72) KING, Brandon Gregory; JARRIEL, Jeffrey David
(74) WRAYS PTY LTD

(71) Kubota Corporation
(11) AU-A-2023278016
(21) 2023278016 (22) 05.12.2023
(54) Mobile camera system including cartesian arm
(51) Int. Cl.
B25J 9/02 (2006.01)
B25J 5/00 (2006.01)
B25J 11/00 (2006.01)
B25J 19/02 (2006.01)
G01J 3/02 (2006.01)
G01N 21/31 (2006.01)
G01N 21/84 (2006.01)
G01S 13/89 (2006.01)
(31) 18/093,525 (32) 05.01.23 (33) US
(43) 25.07.2024
(72) BABU, Dharma Hariharan; NG, Fuk Ho Pius; WAN, Shan; KADIYALA, Srikanth
(74) FB Rice Pty Ltd

(71) Kubota Corporation
(11) AU-A-2023278018
(21) 2023278018 (22) 05.12.2023
(54) Mobile camera system to autonomously obtain and process images to predict grape quality
(51) Int. Cl.
G06T 7/70 (2017.01)
G01N 33/02 (2006.01)
G01S 13/89 (2006.01)
G06T 7/55 (2017.01)
(31) 18/093,528 (32) 05.01.23 (33) US
(43) 25.07.2024
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(74) FB Rice Pty Ltd

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(11) AU-A-2024204730
(21) 2024204730 (22) 09.07.2024
(54) Artificial joint shell and artificial hip joint
(51) Int. Cl.
A61L 27/04 (2006.01)
A61F 2/34 (2006.01)
A61L 27/12 (2006.01)
A61L 27/36 (2006.01)
A61L 27/40 (2006.01)
A61L 27/50 (2006.01)
A61L 27/54 (2006.01)

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(62) 2021260003
(72) NODA, Iwao
(74) FB Rice Pty Ltd

(71) LEO Pharma A/S; Japan Tobacco Inc.
(11) AU-A-2024204716
(21) 2024204716 (22) 09.07.2024
(54) Treatment of alopecia areata
(51) Int. Cl.
A61K 9/00 (2006.01)
A61K 31/519 (2006.01)
A61P 17/14 (2006.01)
(43) 25.07.2024
(62) 2022202508
(72) Sierra, Michael; Labuda, Tord; Tanimoto, Atsuo; Shinozaki, Yuichi
(74) FPA Patent Attorneys Pty Ltd

(71) LG Electronics Inc.
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(21) 2024200126 (22) 09.01.2024
(54) DISPLAY DEVICE
(51) Int. Cl.
G02F 1/16755 (2019.01)
(31) 10-2023-0003918 (32) 11.01.23 (33) KR
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(72) Jung, Moongu; Jung, Yongmin; Ha, Seungsu
(74) Dentons Patent Attorneys Australasia Limited

(71) LG ELECTRONICS INC.
(11) AU-A-2024204638
(21) 2024204638 (22) 04.07.2024
(54) REFRIGERATOR AND HOME APPLIANCE
(51) Int. Cl.
F25D 23/02 (2006.01)
D06F 37/28 (2006.01)
D06F 39/14 (2006.01)
(43) 25.07.2024
(62) 2022204877
(72) KWON, Omin; CHEON, Sanghyun
(74) Dentons Patent Attorneys Australasia Limited

(71) LUMITEX, INC.
(11) AU-A-2024204727

(21) 2024204727 (22) 09.07.2024
(54) ILLUMINATED SURGICAL CANNULA
(51) Int. Cl.
A61B 17/34 (2006.01)
A61B 90/30 (2016.01)
(43) 25.07.2024
(62) 2022242822
(72) DOMBROWSKI, Joseph; TOICH, Sara; DIEHL, Nicolette
(74) DAVIS IP PTY LTD

(71) MFTB Holdco, Inc.
(11) AU-A-2023201774
(21) 2023201774 (22) 22.03.2023
(54) Automated localization using beacon transmitter devices of data acquired in buildings
(51) Int. Cl.
H04W 4/33 (2018.01)
G01S 1/08 (2006.01)
G01S 1/68 (2006.01)
G01S 5/02 (2010.01)
H04W 4/02 (2018.01)
H04W 4/029 (2018.01)
H04W 4/80 (2018.01)
H04W 48/04 (2009.01)

(31) 18/093,780 (32) 05.01.23 (33) US
(43) 25.07.2024
(72) Cier, Sean P.; Kang, Sing Bing; North, Chris
(74) Davies Collison Cave Pty Ltd

(71) Nacho LED LLC
(11) AU-A-2023270194
(21) 2023270194 (22) 20.11.2023
(54) METHOD AND APPARATUS FOR AN ADAPTABLE VEHICLE LIGHT FIXTURE
(51) Int. Cl.
F21V 23/00 (2015.01)
F21S 41/153 (2018.01)
F21S 43/14 (2018.01)
H05B 45/10 (2020.01)
H05B 45/20 (2020.01)
H05B 45/37 (2020.01)
(31) 18/094,568 (32) 09.01.23 (33) US
(43) 25.07.2024
(72) Stephen P. Adams; Brad LaMarche
(74) DAVIS IP PTY LTD

(71) NanoThings, Inc.
(11) AU-A-2024204705
(21) 2024204705 (22) 08.07.2024
(54) ITEM STATUS TRACKING SYSTEM AND METHOD
(51) Int. Cl.
G06K 19/07 (2006.01)
B42D 3/12 (2006.01)
H01Q 1/22 (2006.01)
(43) 25.07.2024
(62) 2018408521
(72) Eibensteiner, Friedrich; Williams, Timothy; Lomp, Gary; Jornet, Josep Miquel
(74) PHILLIPS ORMONDE FITZPATRICK

(71) NantKwest, Inc.
(11) AU-A-2024204692
(21) 2024204692 (22) 08.07.2024
(54) Antibody pre-loaded CD16+NK-92 cells as an effective therapeutic product for tumor lysis
(51) Int. Cl.
A61K 35/17 (2015.01)
A61K 38/20 (2006.01)
A61K 39/00 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
(43) 25.07.2024
(62) 2020320187
(72) SIMON, Barry J.; SAXENA, Manju; ALI, Raza; THIBAUT, Joseph
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Northrop Grumman Systems Corporation
(11) AU-A-2024204697
(21) 2024204697 (22) 08.07.2024
(54) Electrostatic discharge mitigation for a first spacecraft operating in proximity to a second spacecraft and related methods
(51) Int. Cl.
B64G 1/52 (2006.01)
B64G 1/64 (2006.01)
B64G 1/10 (2006.01)
(43) 25.07.2024
(62) 2018252956
(72) Agathon-Burton, Christina; Michel, Matthew Alan; Cochran, Dewey Edwin; Graham, Ronald Lynn; Herbert, Gregg A.; Llorens, William A.
(74) GLMR

(71) Norwood Industries Inc.
(11) AU-A-2024204646
(21) 2024204646 (22) 04.07.2024
(54) TACKING LAMINATED RAIL WITH IN-SET TRACK GUIDE
(51) Int. Cl.
B23D 55/02 (2006.01)
B23D 53/02 (2006.01)
B27B 13/02 (2006.01)
B27B 15/02 (2006.01)
(43) 25.07.2024
(62) 2022200442
(72) Dale, Ashlynn; Cabrit, Sebastien
(74) PHILLIPS ORMONDE FITZPATRICK

(71) NULTY, A.
(11) AU-A-2023282254
(21) 2023282254 (22) 14.12.2023
(54) A DENTAL SCAN AID
(51) Int. Cl.
A61C 9/00 (2006.01)
A61B 90/00 (2016.01)
G06T 1/00 (2006.01)
G06V 10/10 (2022.01)

(31) EP23150993.6 (32) 10.01.23 (33) EP
(43) 25.07.2024
(72) NULTY, Adam
(74) IP Guardian Pty Ltd

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- (71) OilQuick AB
 (11) AU-A-2024200117
 (21) 2024200117 (22) 09.01.2024
 (54) TOOL HOLDER FOR A MACHINE WITH AN IMPROVED SAFETY SYSTEM
 (51) Int. Cl.
E02F 3/36 (2006.01)
E02F 3/96 (2006.01)
 (31) 23151024.9 (32) 10.01.23 (33) EP
 (43) 25.07.2024
 (72) Nylander, Erik
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) OM Engineering Pty Ltd
 (11) AU-A-2024204671
 (21) 2024204671 (22) 05.07.2024
 (54) Independent self-climbing form system for building vertical structures
 (51) Int. Cl.
E04G 5/00 (2006.01)
E04G 1/17 (2006.01)
E04G 5/08 (2006.01)
 (43) 25.07.2024
 (62) 2020392963
 (72) MORK, Oliver
 (74) Spruson & Ferguson
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- (71) Owens-Brockway Glass Container Inc.
 (11) AU-A-2024204673
 (21) 2024204673 (22) 05.07.2024
 (54) Three-dimensional printing of a porous matrix on a container
 (51) Int. Cl.
B29C 64/112 (2017.01)
B29C 64/264 (2017.01)
B41M 5/00 (2006.01)
B41M 7/00 (2006.01)
 (43) 25.07.2024
 (62) 2020232277
 (72) CHISHOLM, Brian J.
 (74) Spruson & Ferguson
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- (71) Paradigm BioPharmaceuticals Ltd
 (11) AU-A-2024204710
 (21) 2024204710 (22) 08.07.2024
 (54) Treatment of bone marrow pathologies with polysulfated polysaccharides
 (51) Int. Cl.
A61K 31/737 (2006.01)
A61P 19/08 (2006.01)
 (43) 25.07.2024
 (62) 2022204567
 (72) KRISHNAN, Ravi; RENNIE, Paul
 (74) FB Rice Pty Ltd
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- (71) Regeneron Pharmaceuticals, Inc.
 (11) AU-A-2024204677
 (21) 2024204677 (22) 05.07.2024
 (54) Use of a VEGF antagonist to treat angiogenic eye disorders
 (51) Int. Cl.
A61K 38/18 (2006.01)
A61P 27/00 (2006.01)
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- (43) 25.07.2024
 (62) 2021200935
 (72) Yancopoulos, George D.
 (74) Griffith Hack
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- (71) REG Synthetic Fuels, LLC
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 (21) 2024204633 (22) 04.07.2024
 (54) Blended fuel compositions with improved emissions profiles
 (51) Int. Cl.
C10G 3/00 (2006.01)
C10L 1/08 (2006.01)
C10L 1/19 (2006.01)
 (43) 25.07.2024
 (62) 2019209477
 (72) SLADE, David; ABHARI, Ramin; HAVERLY, Martin; BOWEN, Eric
 (74) Spruson & Ferguson
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- (71) Rembiotics Pty Ltd
 (11) AU-A-2023285828
 (21) 2023285828 (22) 21.12.2023
 (54) Compositions comprising fungal bioactive compounds, and related apparatus and methods to treat, ameliorate or prevent depression or diseases and/or conditions with allergic responses
 (51) Int. Cl.
A61K 36/07 (2006.01)
A61K 31/192 (2006.01)
A61K 31/235 (2006.01)
A61K 31/343 (2006.01)
A61K 31/352 (2006.01)
A61K 31/37 (2006.01)
A61K 31/375 (2006.01)
A61K 31/4035 (2006.01)
A61K 31/404 (2006.01)
A61K 31/575 (2006.01)
A61K 31/715 (2006.01)
A61P 25/24 (2006.01)
A61P 37/08 (2006.01)
 (31) 2023900029 (32) 09.01.23 (33) AU
 (43) 25.07.2024
 (72) LOUSSIER, Thomas; MITCHELL, Julian
 (74) Jones Tulloch
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- (71) Riken
 (11) AU-A-2024204680
 (21) 2024204680 (22) 05.07.2024
 (54) Class A GPCR-binding compound modifier
 (51) Int. Cl.
C07D 403/12 (2006.01)
A61K 31/4192 (2006.01)
A61K 31/7076 (2006.01)
A61K 39/395 (2006.01)
A61K 45/00 (2006.01)
A61P 43/00 (2006.01)
C07H 19/167 (2006.01)
C07K 16/40 (2006.01)
 (43) 25.07.2024
 (62) 2022268323
 (72) Yokoyama, Shigeyuki; Hori, Tetsuya
 (74) FB Rice Pty Ltd
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- (71) Rosemount Aerospace Inc.
 (11) AU-A-2023285717
 (21) 2023285717 (22) 19.12.2023
 (54) System and method for a secure unidirectional network interface
 (51) Int. Cl.
H04L 12/28 (2006.01)
H04L 12/46 (2006.01)
H04L 45/00 (2022.01)
 (31) 18/152.658 (32) 10.01.23 (33) US
 (43) 25.07.2024
 (72) Jensen, Isaac; Lund, Kraig; Woods, Timothy; Franklin, Jeremy; Eucken, Douglas
 (74) Griffith Hack
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- (71) Shenzhen Turier Biotech Co., Ltd.
 (11) AU-A-2024204684
 (21) 2024204684 (22) 05.07.2024
 (54) PEPTIDE COMPOUND TARGETING ELASTIN-DERIVED PEPTIDES AND USE THEREOF
 (51) Int. Cl.
C07K 7/08 (2006.01)
A61K 38/10 (2006.01)
A61K 38/12 (2006.01)
A61P 1/16 (2006.01)
A61P 11/00 (2006.01)
C07K 7/64 (2006.01)
 (43) 25.07.2024
 (62) 2021289870
 (72) JIANG, Xianxing; WANG, Rui; SONG, Nazi
 (74) Griffith Hack
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- (71) Smart Utility Networks Pty Ltd
 (11) AU-A-2024204718
 (21) 2024204718 (22) 09.07.2024
 (54) Underground utilities enclosures
 (51) Int. Cl.
E02D 29/14 (2006.01)
 (43) 25.07.2024
 (62) 2018247570
 (72) Stevens, Ian; Carroll, Saul
 (74) Clark Intellectual Property Pty Ltd
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- (71) Sustainable Marine Energy Limited
 (11) AU-A-2024204578
 (21) 2024204578 (22) 02.07.2024
 (54) Marine power generation system
 (51) Int. Cl.
F03B 13/10 (2006.01)
F03B 13/26 (2006.01)
 (43) 25.07.2024
 (62) 2021290342
 (72) Hayman, Jason; Burden, Christopher; Hunt, Andrew; Urquhart, Kevin
 (74) Pini IP
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- (71) Swiss VX Venentherapie und Forschung GmbH
 (11) AU-A-2024204712
 (21) 2024204712 (22) 08.07.2024
 (54) Non-implant device for temporary occlusion of blood vessels and use thereof
 (51) Int. Cl.

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A61N 1/05 (2006.01)
A61N 1/36 (2006.01)
(43) 25.07.2024
(62) 2022203632
(72) Ragg, Christof
(74) FPA Patent Attorneys Pty Ltd
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- (71)** Takeda Pharmaceutical Company Limited
(11) AU-A-2024204726
(21) 2024204726 **(22)** 09.07.2024
(54) TYK2 inhibitors and uses thereof
(51) Int. Cl.
C07D 471/04 (2006.01)
C07D 519/00 (2006.01)
(43) 25.07.2024
(62) 2022279375
(72) MASSE, Craig E.; GREENWOOD, Jeremy Robert; MONDAL, Sayan; COWEN, Scott D.; MCLEAN, Thomas H.
(74) Spruson & Ferguson
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- (71)** Techtronic Cordless GP
(11) AU-A-2023285758
(21) 2023285758 **(22)** 19.12.2023
(54) Fan shroud and fan assembly having fan shroud
(51) Int. Cl.
F04D 29/40 (2006.01)
F04D 25/08 (2006.01)
(31) 18/153,085 **(32)** 11.01.23 **(33)** US
(43) 25.07.2024
(72) VAUGHAN, Braden; GAMBHIR, Venkat Praveen
(74) Spruson & Ferguson
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- (71)** Techtronic Cordless GP
(11) AU-A-2024200084
(21) 2024200084 **(22)** 05.01.2024
(54) Tracking system for a vehicle
(51) Int. Cl.
A01D 34/00 (2006.01)
G01P 3/42 (2006.01)
G01P 3/66 (2006.01)
G01R 33/02 (2006.01)
G05D 1/22 (2024.01)
G05D 1/46 (2024.01)
G05D 3/00 (2006.01)
(31) 63/438,098 **(32)** 10.01.23 **(33)** US
(43) 25.07.2024
(72) PETERS II, Frank Allen; CHAPMAN, Seth Harmon; FELDKAMP, Jonathan
(74) Spruson & Ferguson
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- (71)** Tencent America LLC
(11) AU-A-2024204672
(21) 2024204672 **(22)** 05.07.2024
(54) SIGNALING OF REFERENCE PICTURE RESAMPLING WITH RESAMPLING PICTURE SIZE INDICATION IN VIDEO BITSTREAM
(51) Int. Cl.
H04N 19/61 (2014.01)
H04N 19/105 (2014.01)

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(62) 2023203938
(72) Choi, Byeongdo; Wenger, Stephan; Liu, Shan
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** The Board of Regents of The University of Texas System
(11) AU-A-2024204681
(21) 2024204681 **(22)** 05.07.2024
(54) 3-DIMENSIONAL REPRESENTATIONS OF POST-CONTRAST ENHANCED BRAIN LESIONS
(51) Int. Cl.
G01R 35/02 (2006.01)
A61K 35/30 (2015.01)
A61K 49/06 (2006.01)
G01R 33/44 (2006.01)
G01R 33/563 (2006.01)
G06T 7/10 (2017.01)
G06T 7/11 (2017.01)
G06T 13/20 (2011.01)
(43) 25.07.2024
(62) 2019224170
(72) OKUDA, Darin
(74) RnB IP Pty Ltd
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- (71)** The Boeing Company
(11) AU-A-2023255015
(21) 2023255015 **(22)** 27.10.2023
(54) Systems and methods for scheduling flights of aircraft
(51) Int. Cl.
G06Q 10/0637 (2023.01)
G06Q 10/04 (2023.01)
G06Q 10/0635 (2023.01)
G06Q 10/067 (2023.01)
G06Q 50/40 (2024.01)
(31) 18/150236 **(32)** 05.01.23 **(33)** US
(43) 25.07.2024
(72) GRÖNKVIST, Åke Mattias; KJERRSTRÖM, Jens Arne Ivan; ALMQVIST, Viktor Anders; WESTERLUND, Karl Erik Andreas; NORDÉN, Nora Eliza
(74) Spruson & Ferguson
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- (71)** The Jackson Laboratory; University of Massachusetts
(11) AU-A-2024204725
(21) 2024204725 **(22)** 09.07.2024
(54) NSG mice lacking MHC class I and class II
(51) Int. Cl.
A01K 67/027 (2006.01)
(43) 25.07.2024
(62) 2018265887
(72) BREHM, Michael A.; WILES, Michael V.; GREINER, Dale L.; SHULTZ, Leonard D.
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- (71)** The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology
(11) AU-A-2024204641
(21) 2024204641 **(22)** 04.07.2024

- (54)** Novel vaccines against Zika virus
(51) Int. Cl.
C07K 14/18 (2006.01)
A61K 39/12 (2006.01)
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C12N 15/40 (2006.01)
C12N 15/62 (2006.01)
(43) 25.07.2024
(62) 2021258056
(72) MUTHUMANI, Karuppiah; WEINER, David
(74) FB Rice Pty Ltd
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- (71)** TITAN Umreifungstechnik GmbH & Co. KG
(11) AU-A-2024200006
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(54) Strapping tool
(51) Int. Cl.
H02K 11/35 (2016.01)
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H04W 4/38 (2018.01)
(31) 23 150 386.3 **(32)** 05.01.23 **(33)** EP
(43) 25.07.2024
(72) NÖLKE, Christian; PROTZMANN, Bastian; WU, Tianhao
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- (71)** Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.
(11) AU-A-2023285910
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(54) Traveling control system
(51) Int. Cl.
G01C 21/20 (2006.01)
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(31) 2023-002347 **(32)** 11.01.23 **(33)** JP
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(72) NOZAWA, Yusuke; MIZOO, Shun; TAKASHIMA, Toru; OKANO, Takahiro; HIRANAKA, Takashi; OSAGAWA, Kenta; KONISHI, Shota
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- (71)** Trina Solar Co., Ltd.
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 (54) Solar cell structure, method for preparing solar cell, and mask plate
 (51) Int. Cl.
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 (31) 202410301160.3 (32) 15.03.24 (33) CN
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 (72) Li, Hongwei; YANG, Guangtao; CHEN, Daming; CHEN, Yifeng
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 (21) 2024204737 (22) 09.07.2024
 (54) Solar cell, preparation method thereof and photovoltaic module
 (51) Int. Cl.
H01L 31/0216 (2014.01)
H01L 31/0224 (2006.01)
H01L 31/0352 (2006.01)
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 (72) HU, Yunyun; LIU, Wei; CHEN, Daming
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 (54) Conductive paste and solar cell
 (51) Int. Cl.
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 (72) LIU, Chengfa; LV, Dongyun; CHEN, Hong
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 (21) 2024204725

(71) UPSIDE FOODS, INC.
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 (54) COMESTIBLE CELL-BASED MEAT PRODUCTS COMPRISING DRY CELL POWDER AND METHODS OF MAKING SUCH PRODUCTS
 (51) Int. Cl.
A23L 13/00 (2016.01)
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 (43) 25.07.2024
 (62) 2022291162
 (72) REASE, Morgan; WICKE, Antony
 (74) Blackwattle IP

(71) Verrica Pharmaceuticals Inc.
 (11) AU-A-2024204696
 (21) 2024204696 (22) 08.07.2024
 (54) Treatment of cutaneous disorders
 (51) Int. Cl.
A61K 8/368 (2006.01)
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 (43) 25.07.2024
 (62) 2018281313
 (72) Welgus, Howard; Davidson, Matthew Gene; Rieger, Jayson Michael
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) VERSUNI HOLDING B.V.
 (11) AU-A-2023343801
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 (54) AIR FRYER FOOD SUPPORT
 (51) Int. Cl.
A47J 36/34 (2006.01)
A47J 36/16 (2006.01)
A47J 36/20 (2006.01)
A47J 37/06 (2006.01)
 (31) 23151305.2 (32) 12.01.23 (33) EP
 (43) 25.07.2024
 (72) VAUPOT, Jan; CATER, Matjaž
 (74) FB Rice Pty Ltd

(71) Vishal, R.
 (11) AU-A-2023237158
 (21) 2023237158 (22) 29.09.2023
 (54) SYSTEM AND METHOD TO ENABLE COMMUNICATION BETWEEN CONTROL COMPONENTS OF A PNEUMATIC VACUUM ELEVATOR
 (51) Int. Cl.
B66B 1/28 (2006.01)
B66B 1/34 (2006.01)
B66B 9/04 (2006.01)
G08C 17/00 (2006.01)
H04B 5/00 (2006.01)
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 (43) 25.07.2024
 (72) Vishal, Ruphavathy
 (74) Franke Hyland Pty Ltd

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 (11) AU-A-2023237159
 (21) 2023237159 (22) 29.09.2023
 (54) A MODULAR CABIN ASSEMBLY FOR AN ELEVATOR AND A METHOD TO OPERATE THE SAME
 (51) Int. Cl.
B66B 11/02 (2006.01)
B66B 9/04 (2006.01)
 (31) 202341001859 (32) 09.01.23 (33) IN
 (43) 25.07.2024
 (72) Vishal, Ruphavathy
 (74) Franke Hyland Pty Ltd

(71) Wales, A.
 (11) AU-A-2023200110
 (21) 2023200110 (22) 10.01.2023
 (54) A RETAINER
 (51) Int. Cl.

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 (43) 25.07.2024
 (72) Wales, Aidan
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2023200676

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 (21) 2023200679

(71) WANHUA CHEMICAL (NINGBO) CO., LTD.
 (11) AU-A-2023251422
 (21) 2023251422 (22) 17.10.2023
 (54) POLYISOCYANATE WITH STABLE ACTIVITY AND LIGHT COLOR, PREPARATION METHOD THEREOF AND APPLICATION THEREOF
 (51) Int. Cl.
C08G 18/76 (2006.01)
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 (31) 202310012332.0 (32) 05.01.23 (33) CN
 (43) 25.07.2024
 (72) ZHAO, Xiangqing; CHEN, Yuanzhi; ZHANG, Hongmin; QIAO, Lin; WANG, Kai; ZHANG, Hongke
 (74) Michael Buck IP

(71) Zhu, Y.
 (11) AU-A-2023200137
 (21) 2023200137 (22) 11.01.2023
 (54) A SINGLE-HOLE FLUSH TOILET
 (51) Int. Cl.
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 (43) 25.07.2024
 (72) Zhu, Yanchun
 (74) Ran Tao

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<u>G01N 27 /-</u> 2023200679	<u>G06N 5 /-</u> 2024204695	<u>H01R 13 /-</u> 2023200110	<u>No IPC Mark</u>
<u>G01N 30 /-</u> 2024204668	<u>G06N 99 /-</u> 2024204639	<u>H01R 25 /-</u> 2023200110	
<u>G01N 33 /-</u> 2023200676 2023278018	<u>G06Q 10 /-</u> 2023255015 2024204706	<u>H01R 27 /-</u> 2023200110	
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<u>G01P 3 /-</u> 2024200084	<u>G06Q 50 /-</u> 2023255015	<u>H01R 9 /-</u> 2023200110	
<u>G01R 33 /-</u> 2024200084 2024204681	<u>G06T 1 /-</u> 2023282254	<u>H02G 3 /-</u> 2024204657	
<u>G01R 35 /-</u> 2024204681	<u>G06T 13 /-</u> 2024204681	<u>H02K 11 /-</u> 2024200006	
<u>G01S 1 /-</u> 2023201774	<u>G06T 7 /-</u> 2023254943 2023278018 2024204681	<u>H02S 20 /-</u> 2024200061	
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(11) AU-A-2021107697
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(51) Int. Cl.
 B23B 51/12 (2006.01)
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(45) 25.07.2024
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(51) Int. Cl.
 A61F 13/514 (2006.01)
 A61F 13/53 (2006.01)
 A61L 15/28 (2006.01)
 D01F 2/06 (2006.01)
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H02K 1/272 (2022.01)
H02K 7/08 (2006.01)
H02K 15/00 (2006.01)
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A61B 34/30 (2016.01)
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C12N 9/16 (2006.01)
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A61B 5/00 (2006.01)
A61B 5/026 (2006.01)
A61B 5/291 (2021.01)
A61B 5/374 (2021.01)
A61B 5/384 (2021.01)
G06N 20/20 (2019.01)
G16B 40/00 (2019.01)
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C07D 471/04 (2006.01)
A61K 31/519 (2006.01)
A61P 35/00 (2006.01)
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A61B 5/11 (2006.01)
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A61B 6/03 (2006.01)
A61B 8/00 (2006.01)
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G01N 23/04 (2018.01)
G06T 7/00 (2017.01)
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B01D 1/18 (2006.01)
C09C 1/04 (2006.01)
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C08G 18/08 (2006.01)
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C08L 23/12 (2006.01)
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F03D 80/70 (2016.01)
H02K 3/34 (2006.01)
H02K 5/16 (2006.01)
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C40B 50/06 (2006.01)
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B01J 37/04 (2006.01)
C07D 307/48 (2006.01)
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 (72) HAN, Pengfei; TANA, Tana
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C12Q 1/6806 (2018.01)
C12N 15/10 (2006.01)
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 C07K 16/18 (2006.01)
 A61P 25/28 (2006.01)
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 G06F 3/04815 (2022.01)
 G06F 9/451 (2018.01)
 G06N 3/08 (2023.01)
 G06N 20/00 (2019.01)
 G06T 13/40 (2011.01)
 G10L 13/08 (2013.01)
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 B28C 5/00 (2006.01)
 B01F 35/22 (2022.01)
 B01F 35/221 (2022.01)
 B28C 5/08 (2006.01)
 B28C 5/12 (2006.01)
 C04B 20/10 (2006.01)
 C04B 28/00 (2006.01)
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 (72) SIEVERS, Thomas
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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 (72) BURGSTALLER, Peter
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(74) Davies Collison Cave Pty Ltd
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- (71)** CALIFORNIA MANUFACTURING AND
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(11) AU-A-2023212782
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(54) MOBILE ELEVATED WORK PLAT-
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 STEERING SYSTEM AND RELATED
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(51) Int. Cl.
B66F 11/04 (2006.01)
B66F 9/075 (2006.01)
B66F 9/20 (2006.01)
B66F 9/12 (2006.01)
B66F 9/24 (2006.01)
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C07K 14/78 (2006.01)
A61K 8/65 (2006.01)
A61K 38/39 (2006.01)
A61Q 19/00 (2006.01)
A61Q 19/08 (2006.01)
C12N 9/02 (2006.01)
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H05G 1/52 (2006.01)
A61B 6/03 (2006.01)
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F16L 5/02 (2006.01)
H01R 4/50 (2006.01)
F16L 7/02 (2006.01)
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B29C 49/00 (2006.01)
B65D 8/00 (2006.01)
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A61B 5/16 (2006.01)
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G06N 20/00 (2019.01)
G16H 50/00 (2018.01)
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C08F 212/08 (2006.01)
C08F 222/06 (2006.01)
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C08F 255/02 (2006.01)
C08J 5/18 (2006.01)
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B03D 1/016 (2006.01)
B03D 1/02 (2006.01)
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H01R 9/05 (2006.01)
H02G 15/013 (2006.01)
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H01Q 13/02 (2006.01)
H02J 50/20 (2016.01)
H04B 1/04 (2006.01)
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A61P 11/00 (2006.01)
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A61K 9/00 (2006.01)
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A61K 31/5415 (2006.01)
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A61K 31/198 (2006.01)
A61K 9/00 (2006.01)
A61K 31/4015 (2006.01)
A61K 31/437 (2006.01)
A61K 31/472 (2006.01)
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A61P 11/02 (2006.01)
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C07K 16/30 (2006.01)
A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
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A23L 27/24 (2016.01)
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A23L 29/00 (2016.01)
C12N 1/20 (2006.01)
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C08G 63/08 (2006.01)
C08G 63/90 (2006.01)
C09D 167/04 (2006.01)
C12P 7/625 (2022.01)
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F24H 1/14 (2022.01)
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E04H 15/54 (2006.01)
A41D 31/102 (2019.01)
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C07D 487/14 (2006.01)
A61K 31/55 (2006.01)
A61P 25/00 (2006.01)
A61P 25/18 (2006.01)
A61P 25/22 (2006.01)
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A61K 31/55 (2006.01)
A61P 25/00 (2006.01)
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 (51) Int. Cl.
C07K 16/00 (2006.01)
A61P 25/00 (2006.01)
C07K 14/79 (2006.01)
C07K 16/28 (2006.01)
C12N 15/10 (2006.01)
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 (54) ANTI-PILRA ANTIBODIES, USES THEREOF, AND RELATED METHODS AND REAGENTS
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G06F 16/00 (2019.01)
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H04L 9/00 (2022.01)
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C12M 1/00 (2006.01)
G01N 1/28 (2006.01)
G01N 1/40 (2006.01)
B02C 7/00 (2006.01)
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(74) SR Intellectual Property
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(54) ELECTRONIC DISPLAY ASSEMBLY
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G06F 1/16 (2006.01)
G02F 1/1333 (2006.01)
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(74) Davies Collison Cave Pty Ltd
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- (71) EAMBIENT, INC.
(11) AU-A-2022424074
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(54) DEVICE FOR REDUCTION OF MOISTURE IN POROUS MATERIALS
(51) Int. Cl.
E04B 1/70 (2006.01)
H01Q 7/00 (2006.01)
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(72) POLLARD, John-Paul
(74) James & Wells Intellectual Property
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(11) AU-A-2022427866
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E04B 1/70 (2006.01)
H01Q 7/00 (2006.01)
H04B 5/00 (2006.01)
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(72) POLLARD, John-Paul
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(54) CONTAINER, CONTAINER SYSTEM, MAINTENANCE SYSTEM, AND MAINTENANCE METHOD FOR LIQUID HYDROGEN PUMP
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F17C 13/00 (2006.01)
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(54) SHUNT IMPLANT DEVICE WITH ADJUSTABLE BARREL
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A61B 17/11 (2006.01)
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(54) DETECTING AND DIFFERENTIATING NOCICEPTION EVENTS FROM HEMODYNAMIC DRUG ADMINISTRATION EVENTS
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A61B 5/021 (2006.01)
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(54) SCREW WITH A HOLE-FORMING TIP
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F16B 25/00 (2006.01)
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(72) STOLL, Helmut
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A61K 9/10 (2006.01)
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G06Q 20/40 (2012.01)
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(54) APPLICATOR SYSTEM FOR APPLYING A COSMETIC PRODUCT
(51) Int. Cl.
A45D 34/04 (2006.01)
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A61P 11/00 (2006.01)
C12Q 1/68 (2018.01)
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(51) Int. Cl.
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C12Q 1/6844 (2018.01)
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(54) FORMULATIONS AND METHODS FOR SKIN CARE
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A61P 17/00 (2006.01)
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(51) Int. Cl.
H04W 24/02 (2009.01)
E21C 35/24 (2006.01)
E21F 17/18 (2006.01)
H04L 41/0823 (2022.01)
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H04W 4/44 (2018.01)
H04W 8/24 (2009.01)
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(54) OPTICAL SWITCH WITH INTEGRATED FAST PROTECTION
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H04Q 11/00 (2006.01)
G02B 6/35 (2006.01)
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(11) AU-A-2022443275
(21) 2022443275 (22) 28.02.2022
(54) A METHOD OF MANUFACTURING AN ABSORBENT CORE FOR A DISPOSABLE ABSORBENT HYGIENE ARTICLE, AN ABSORBENT CORE, AND AN ABSORBENT ARTICLE
(51) Int. Cl.
A61F 13/15 (2006.01)
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(43) 31.08.2023
(72) BÄCK, Lucas; RIBEIRO DE SOUZA, Cleiton Aparecido; MARTINEZ ESTELA, Montserrat; STENHOLM, Fanny
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(11) AU-A-2022443656
(21) 2022443656 (22) 13.12.2022
(54) ABSORBENT CORE HAVING CHANNELS, AND ABSORBENT ARTICLE WITH ABSORBENT CORE
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A61F 13/532 (2006.01)
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(54) POLICY RISK POSITIONING METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM
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G06F 3/0486 (2013.01)
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(72) XU, Zihong
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(54) COMBINATION OF COMPOUNDS FOR TREATING VASCULAR DISEASES COMPRISING PDE5 INHIBITOR, ARGININE AND N-ACETYLCYSTEINE
(51) Int. Cl.
A61K 31/198 (2006.01)
A61K 31/4985 (2006.01)
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(87) WO2023/152500
(31) 111104639 **(32)** 09.02.22 **(33)** TW
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(51) Int. Cl.
C07K 14/72 (2006.01)
A61K 38/17 (2006.01)
A61P 27/02 (2006.01)
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(74) Allens Patent & Trade Mark Attorneys
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(72) YU, Tao; DAI, Ruicheng; WENG, Danwei; LUO, Minmin
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A23L 33/185 (2016.01)
A23J 1/00 (2006.01)
A23J 1/20 (2006.01)
A23J 3/14 (2006.01)
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A23L 7/117 (2016.01)
A23L 33/19 (2016.01)
A23P 30/20 (2016.01)
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(31) 63/309,830 **(32)** 14.02.22 **(33)** US
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(72) RANDOLPH, Claire; HARRISON, Robert, Joseph; HUBER, Jeffrey, T.; MANDERFELD, Michelle; ROSENE, Sara; WALTHER, Goeran
(74) Spruson & Ferguson
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(11) AU-A-2023207990
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(54) METHODS AND APPARATUS FOR BUILDING EXPANDED SHAFT AUGURED FOUNDATION ELEMENTS
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(72) BECK, August; WISSMANN, Kord J.
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F16T 1/48 (2006.01)
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(54) SYSTEMS AND METHODS FOR PRONE LATERAL SPINE SURGERY
(51) Int. Cl.
A61B 17/02 (2006.01)
A61B 1/32 (2006.01)
A61B 17/70 (2006.01)
A61B 17/88 (2006.01)
A61F 2/44 (2006.01)
(87) WO2023/137388
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(54) COSMETIC COMPOSITION FOR RESTRUCTURING HAIR AND IMPROVING THE APPEARANCE THEREOF
(51) Int. Cl.
A61K 8/41 (2006.01)
A61Q 1/10 (2006.01)
A61Q 5/00 (2006.01)
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(31) 102021000031451 **(32)** 15.12.21 **(33)** IT
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(21) 2023214726 **(22)** 01.02.2023
(54) GAS LOSS REDUCING ADDITIVE FOR BEVERAGES, A BEVERAGE COMPOSITION INCLUDING THE GAS LOSS REDUCING ADDITIVE AND A METHOD OF REDUCING GAS LOSS FROM A BEVERAGE
(51) Int. Cl.
A23L 2/54 (2006.01)
A23L 2/52 (2006.01)
A23L 2/56 (2006.01)
A23P 10/35 (2016.01)
A23P 20/10 (2016.01)
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B65D 5/72 (2006.01)
B65D 83/04 (2006.01)
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C11D 1/26 (2006.01)
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 METHOD THEREFOR
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C11D 1/86 (2006.01)
C11D 1/94 (2006.01)
C11D 3/12 (2006.01)
C11D 3/20 (2006.01)
C11D 3/22 (2006.01)
C11D 3/33 (2006.01)
C11D 3/37 (2006.01)
C11D 3/382 (2006.01)
C11D 3/40 (2006.01)
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A61K 31/00 (2006.01)
A61K 47/10 (2017.01)
A61P 1/00 (2006.01)
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 Philippe; PRADAL, Julie
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 (54) AUTOMATIC INFLATOR WITH BOB-
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B63C 9/00 (2006.01)
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 (43) 27.07.2023
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 OD THEREFOR AND APPLICATION
 THEREOF
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C07D 239/545 (2006.01)
A61K 31/513 (2006.01)
A61P 7/02 (2006.01)
A61P 9/10 (2006.01)
A61P 25/00 (2006.01)
C07D 239/48 (2006.01)
C07D 239/56 (2006.01)
C07D 401/06 (2006.01)
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 COMPOUND
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C07D 491/147 (2006.01)
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 DUAN, Yaya; YAN, Pucha
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 TIMING BETWEEN ADJACENT NET-
 WORKS IN SYNCHRONIZED NET-
 WORKS AND ELECTRONIC SHELF
 LABEL SYSTEM
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H04W 56/00 (2009.01)
H04B 7/01 (2006.01)
H04B 15/00 (2006.01)
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 ANG, Min
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 ANA LIMITADA
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 AS PART OF A VIBRATING SCREEN
 COMPONENT THAT INTEGRATES
 CUBIC AND LAMELLAR SORTING
 EQUIPMENT FOR SORTING MINING
 MATERIALS, A SYSTEM FOR JOINT
 FASTENING OF ADJOINING UNITS
 OF ENHANCED MODULAR MESHES
 TO THE STRUCTURAL BASE OF A
 VIBRATING SCREEN COMPONENT,
 AND A PROCEDURE FOR ASSEM-
 BLING/DISMANTLING THAT BASE
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(51) Int. Cl.
C04B 28/06 (2006.01)
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C04B 40/00 (2006.01)
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C07D 405/14 (2006.01)
A61K 31/407 (2006.01)
A61P 35/00 (2006.01)
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(54) BIOMASS NEGATIVE CARBON EMISSION POWER GENERATION SYSTEM AND WORKING METHOD THEREFOR
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F01K 13/00 (2006.01)
C01B 32/16 (2017.01)
C25B 1/04 (2021.01)
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H04W 88/04 (2009.01)
H04W 4/06 (2009.01)
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A47L 9/16 (2006.01)
B01D 45/18 (2006.01)
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A61K 39/17 (2006.01)
A61K 39/215 (2006.01)
A61P 31/14 (2006.01)
C07K 14/005 (2006.01)
C07K 14/125 (2006.01)
C12N 15/45 (2006.01)
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A61K 31/502 (2006.01)
A61K 31/4745 (2006.01)
A61K 45/06 (2006.01)
A61P 35/00 (2006.01)
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E21B 23/00 (2006.01)
E21B 10/64 (2006.01)
E21B 17/046 (2006.01)
E21B 21/10 (2006.01)
E21B 23/12 (2006.01)
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G01G 19/02 (2006.01)
G01G 23/00 (2006.01)
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A61M 1/00 (2006.01)
A61B 17/22 (2006.01)
A61M 25/00 (2006.01)
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 (51) Int. Cl.
G01S 17/08 (2006.01)
B64U 60/30 (2023.01)
G01D 21/02 (2006.01)
G01J 5/00 (2022.01)
G01S 17/88 (2006.01)
G01S 19/13 (2010.01)
G01W 1/02 (2006.01)
H04Q 9/02 (2006.01)
B64U 101/30 (2023.01)
B64U 101/35 (2023.01)
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 (72) VAN DER BERG, Cameron; VAN DER BERG, Daniel
 (74) FPA Patent Attorneys Pty Ltd
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 (21) 2023211039 (22) 24.01.2023
 (54) PROSTHESIS FOR HEART VALVE AND METHOD FOR ARRANGING THIS PROSTHESIS IN AN IMPLANTATION DEVICE
 (51) Int. Cl.
A61F 2/24 (2006.01)
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 (54) SYSTEMS AND METHODS FOR ENSURING SUFFICIENT BOLUS DOSING FOR MEAL COMPENSATION
 (51) Int. Cl.
G16H 20/17 (2018.01)
G16H 40/63 (2018.01)
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 (54) FUSOGENIC RHABDOVIRUS GLYCOPROTEINS AND USES THEREOF
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C12N 15/86 (2006.01)
C07K 14/005 (2006.01)
C12N 7/01 (2006.01)
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 (54) TREPROSTINIL FOR THE TREATMENT OF PULMONARY HYPERTENSION
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A61K 31/5575 (2006.01)
A61K 9/00 (2006.01)
A61K 9/08 (2006.01)
A61P 11/00 (2006.01)
A61M 11/00 (2006.01)
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 (43) 27.07.2023
 (72) D'OREY MARCHAND SEQUEIRA LOPES BEIRÃO BELO, Isabel; RAWERT, Jürgen
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 (11) AU-A-2022407875
 (21) 2022407875 (22) 09.12.2022
 (54) USE OF AMIVANTAMAB TO TREAT COLORECTAL CANCER
 (51) Int. Cl.
A61P 35/00 (2006.01)
A61K 39/395 (2006.01)
C07K 16/28 (2006.01)
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 (74) Spruson & Ferguson
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- (71) JEMELLA LIMITED
 (11) AU-A-2023207835
 (21) 2023207835 (22) 10.01.2023
 (54) HAIR STYLING DEVICE
 (51) Int. Cl.
A45D 1/04 (2006.01)
A45D 1/06 (2006.01)
A45D 1/28 (2006.01)
A45D 2/00 (2006.01)
 (87) WO2023/135413
 (31) 2200426.1 (32) 13.01.22 (33) GB
 (43) 20.07.2023
 (72) HOATH, Alastair; ASHBY, Nicholas; COOK, Graham; GURUNG, Sudeep
 (74) Davies Collison Cave Pty Ltd

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

- (71) JOHNSON CONTROLS TYCO IP HOLDINGS LLP
(11) AU-A-2023205073
(21) 2023205073 (22) 04.01.2023
(54) SYSTEMS AND METHODS FOR SHARING ANALYTICAL RESOURCES IN A CAMERA NETWORK
(51) Int. Cl.
H04N 7/18 (2006.01)
(87) WO2023/133396
(31) 17/571,146 (32) 07.01.22 (33) US
(43) 13.07.2023
(72) ADAM, Lipphei
(74) Spruson & Ferguson
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- (71) JOHNSON CONTROLS TYCO IP HOLDINGS LLP
(11) AU-A-2023208665
(21) 2023208665 (22) 10.01.2023
(54) COMPUTER VISION SYSTEM AND METHODS FOR ANOMALOUS EVENT DETECTION
(51) Int. Cl.
G06V 40/20 (2022.01)
G06V 20/52 (2022.01)
(87) WO2023/141381
(31) 17/580,330 (32) 20.01.22 (33) US
(43) 27.07.2023
(72) JULIEN, Matthew
(74) Spruson & Ferguson
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- (71) K36 THERAPEUTICS, INC.
(11) AU-A-2023205553
(21) 2023205553 (22) 05.01.2023
(54) DEUTERIUM-ENRICHED PIPERIDINYL-METHYL-PURINE AMINES AND RELATED COMPOUNDS AND THEIR USE IN TREATING DISEASES AND CONDITIONS
(51) Int. Cl.
C07D 473/34 (2006.01)
A61K 31/52 (2006.01)
A61P 35/00 (2006.01)
(87) WO2023/133201
(31) 63/296,676 (32) 05.01.22 (33) US
(43) 13.07.2023
(72) CONNOLLY, Terrence, Joseph; LEWIS, Chad, Arthur
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) KABUSHIKI KAISHA EARTHTECH-NICA
(11) AU-A-2022434339
(21) 2022434339 (22) 10.03.2022
(54) JAW CRUSHER AND METHOD FOR ADJUSTING GAP WIDTH THEREOF
(51) Int. Cl.
B02C 1/02 (2006.01)
(87) WO2023/139801
(31) 2022-008279 (32) 21.01.22 (33) JP
(43) 27.07.2023
(72) SAWANO, Kenta
(74) Spruson & Ferguson
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- (71) KARE CHEMICAL TECHNOLOGIES INC.
(11) AU-A-2022403631
(21) 2022403631 (22) 08.12.2022
(54) CATALYTIC TETRAHYDROCAN-NABINOL SYNTHESIS AND PRE-CURSORS
(51) Int. Cl.
C07D 311/80 (2006.01)
A61K 31/352 (2006.01)
A61P 25/00 (2006.01)
(87) WO2023/102655
(31) 63/287,713 (32) 09.12.21 (33) US
(43) 15.06.2023
(72) ABDUR-RASHID, Kamaluddin; ABDUR-RASHID, Kareem; JIA, Wenli
(74) PIPERS
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- (71) KASHIV BIOSCIENCES, LLC
(11) AU-A-2022410059
(21) 2022410059 (22) 17.12.2022
(54) AN IMPROVED METHOD FOR SEPARATION OF LOW MOLECULAR WEIGHT PROTEINS
(51) Int. Cl.
G01N 27/26 (2006.01)
C07K 1/26 (2006.01)
C07K 16/46 (2006.01)
(87) WO2023/112000
(31) 202121058987 (32) 17.12.21 (33) IN
(43) 22.06.2023
(72) UPADHYAY, Roshan Ganeshlal; KARDANI, Jaykumar Rameshchandra; SHAH, Aakansha
(74) FB Rice Pty Ltd
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- (71) KASHIV BIOSCIENCES, LLC
(11) AU-A-2022414315
(21) 2022414315 (22) 17.12.2022
(54) AN IMPROVED ASSAY METHOD FOR DETERMINING THE POTENCY OF RECOMBINANT PROTEIN
(51) Int. Cl.
C07K 16/42 (2006.01)
A61K 47/10 (2017.01)
A61K 47/02 (2006.01)
A61K 47/26 (2006.01)
(87) WO2023/112001
(31) 202121058990 (32) 17.12.21 (33) IN
(43) 22.06.2023
(72) SHARMA, Shalini; ANIDIL KIZHAKIN-AGATH, Praveen Kumar; JASH, Kavya Siddhartha
(74) FB Rice Pty Ltd
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- (71) KASHIV BIOSCIENCES, LLC
(11) AU-A-2022429920
(21) 2022429920 (22) 31.12.2022
(54) A PROCESS FOR SEPARATION AND QUANTIFICATION OF NON-IONIC SURFACTANT
(51) Int. Cl.
B01D 15/30 (2006.01)
B01D 15/36 (2006.01)
G01N 30/30 (2006.01)
(87) WO2023/126903
(31) 202121062108 (32) 31.12.21 (33) IN
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- (43) 06.07.2023
(72) SHARMA, Shalini; KATRODIYA, Hetal; DAVE, Vivek
(74) FB Rice Pty Ltd
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- (71) KASHIV BIOSCIENCES, LLC
(11) AU-A-2023296821
(21) 2023296821 (22) 29.06.2023
(54) AN IMPROVED ASSAY METHOD OF ANTIBODY
(51) Int. Cl.
G01N 33/53 (2006.01)
A61K 39/395 (2006.01)
C07K 16/46 (2006.01)
G01N 33/68 (2006.01)
G01N 33/50 (2006.01)
(87) WO2024/003825
(31) 202221037354 (32) 29.06.22 (33) IN
(43) 04.01.2024
(72) PATEL, Rajeshwari; ANIDIL KIZHAKIN-AGATH, Praveen Kumar
(74) FB Rice Pty Ltd
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- (71) KELLANOVA
(11) AU-A-2023216289
(21) 2023216289 (22) 31.01.2023
(54) SLICED MEAT ANALOGUES AND PRODUCTION THEREOF
(51) Int. Cl.
A23J 3/14 (2006.01)
A23J 3/22 (2006.01)
A23J 3/26 (2006.01)
(87) WO2023/150494
(31) 63/305,360 (32) 01.02.22 (33) US
(43) 10.08.2023
(72) HOSSEN, Monjur; SHI, Xueqian; FITZPATRICK, Maurice; JERZY, Jeffrey, Neil; MORGAN, Megan, Kristen; GEERS, Stephanie
(74) Davies Collison Cave Pty Ltd
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- (71) KENNAMETAL INC.
(11) AU-A-2023206756
(21) 2023206756 (22) 10.01.2023
(54) ARMOR PLATE, ARMOR PLATE ASSEMBLY AND ARMOR
(51) Int. Cl.
F41H 5/04 (2006.01)
(87) WO2023/135119
(31) 10 2022 100 599.2 (32) 12.01.22 (33) DE
(43) 20.07.2023
(72) PARLOW, Werner; THEUERKAUF, Thomas; WOLF, Manfred; HELLDORFER, Armin
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) K-FEE SYSTEM GMBH
(11) AU-A-2023214543
(21) 2023214543 (22) 16.01.2023
(54) SINGLE-SERVE CAPSULE FOR PREPARING A BEVERAGE WITH THE AID OF A BEVERAGE PREPARATION MACHINE, AND USE OF A SINGLE-SERVE CAPSULE
(51) Int. Cl.
B65D 85/804 (2006.01)

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 (31) 10 2022 201 245.3 (32) 07.02.22 (33) DE
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 (43) 10.08.2023
 (72) KRÜGER, Marc; EMPL, Günter
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) K F GROUP PTY LTD
 (11) AU-A-2022412029
 (21) 2022412029 (22) 14.12.2022
 (54) WEAR SENSOR
 (51) Int. Cl.
 G01B 17/02 (2006.01)
 B65G 11/16 (2006.01)
 B65G 11/20 (2006.01)
 G01B 7/02 (2006.01)

(87) WO2023/108217
 (31) 2021904076 (32) 15.12.21 (33) AU
 (43) 22.06.2023
 (72) KAMARAS, Con
 (74) Armour IP

(71) KIMBERLY-CLARK WORLDWIDE,
 INC.
 (11) AU-A-2021478080
 (21) 2021478080 (22) 15.12.2021
 (54) ABSORBENT ARTICLES WITH LOW
 VOID VOLUME
 (51) Int. Cl.

A61F 13/531 (2006.01)
 A61L 15/60 (2006.01)
 (87) WO2023/113783
 (43) 22.06.2023
 (72) BOWEN, Kate T.; LEE, WanDuk;
 BEITZ, Mark; SCHOLL, Neil
 (74) Spruson & Ferguson

(71) KIMBERLY-CLARK WORLDWIDE,
 INC.
 (11) AU-A-2021478824
 (21) 2021478824 (22) 16.12.2021
 (54) SOFT ABSORBENT COFORM NON-
 WOVEN WEB
 (51) Int. Cl.

D04H 1/4374 (2012.01)
 B32B 5/26 (2006.01)
 D04H 1/4382 (2012.01)
 D04H 1/559 (2012.01)
 D04H 1/56 (2006.01)
 A61F 13/53 (2006.01)

(87) WO2023/113795
 (43) 22.06.2023
 (72) CLOSE, Kenneth B.; MONTOYA
 VAVERKA, April; KRUEGER, Jeffrey;
 TREBatosKI, David; SEMKULEY,
 Cassidy A.; GARCIA PARRA, Andres J.
 (74) Spruson & Ferguson

(71) KIMBERLY-CLARK WORLDWIDE,
 INC.
 (11) AU-A-2021479191
 (21) 2021479191 (22) 16.12.2021
 (54) SOFT ABSORBENT COFORM NON-
 WOVEN WEB
 (51) Int. Cl.
 D04H 1/4374 (2012.01)
 B32B 5/26 (2006.01)

D04H 1/4382 (2012.01)
 D04H 1/559 (2012.01)
 D04H 1/56 (2006.01)
 A61F 13/53 (2006.01)
 (87) WO2023/113794
 (43) 22.06.2023
 (72) CLOSE, Kenneth B.; MONTOYA
 VAVERKA, April; KRUEGER, Jeffrey;
 TREBatosKI, David; SEMKULEY,
 Cassidy A.; GARCIA PARRA, Andres J.
 (74) Spruson & Ferguson

(71) KIMBERLY-CLARK WORLDWIDE,
 INC.
 (11) AU-A-2022415437
 (21) 2022415437 (22) 15.12.2022
 (54) NONWOVEN WEBS MADE FROM
 MULTICOMPONENT FILAMENTS
 AND PROCESS FOR FORMING NON-
 WOVEN WEBS
 (51) Int. Cl.
 D01F 1/10 (2006.01)
 D01D 5/08 (2006.01)
 D01F 1/04 (2006.01)
 D01F 8/06 (2006.01)
 D04H 3/011 (2012.01)
 D04H 3/02 (2006.01)

(87) WO2023/114355
 (31) 63/290,801 (32) 17.12.21 (33) US
 (43) 22.06.2023
 (72) KRUEGER, Jeffrey; ARNOLD, Dean;
 FERGUSON, Timothy D.; HONAR-
 BAKHSH, Sara; KHATIBLOU, Esfandi-
 ar; LENNON, Eric E.
 (74) Spruson & Ferguson

(71) KINDLING COLLECTOR LIMITED
 (11) AU-A-2022406050
 (21) 2022406050 (22) 09.12.2022
 (54) DEVICE FOR THE CONTAINMENT
 AND CARRYING OF KINDLING
 (51) Int. Cl.
 B65D 63/10 (2006.01)
 B27L 7/00 (2006.01)
 B65D 63/18 (2006.01)
 B65D 71/02 (2006.01)
 B65D 71/04 (2006.01)

(87) WO2023/106939
 (31) 783288 (32) 10.12.21 (33) NZ
 (43) 15.06.2023
 (72) HILLIS, Donald
 (74) HENRY HUGHES IP LTD

(71) KINETA, INC.
 (11) AU-A-2022406926
 (21) 2022406926 (22) 07.12.2022
 (54) PURINES AND METHODS OF THEIR
 USE
 (51) Int. Cl.
 A61K 31/517 (2006.01)
 A61K 31/52 (2006.01)
 A61P 25/28 (2006.01)
 C07D 473/34 (2006.01)

(87) WO2023/107552
 (31) 63/287,522 (32) 08.12.21 (33) US
 (43) 15.06.2023
 (72) KUMARAVEL, Gnanasambandam;
 MACDONNELL, Madeline; PENG,
 Hairuo; OZBOYA, Kerem; WRONA,

Iwona; LE BOURDONNEC, Bertrand;
 LUCAS, Matthew; KURIA, Vanessa;
 DELABARRE, Byron
 (74) FPA Patent Attorneys Pty Ltd

(71) KINETA, INC.
 (11) AU-A-2022407039
 (21) 2022407039 (22) 08.12.2022
 (54) PYRIMIDINES AND METHODS OF
 THEIR USE
 (51) Int. Cl.
 A61K 31/4402 (2006.01)
 A61K 31/4406 (2006.01)
 A61K 31/4409 (2006.01)
 A61K 31/444 (2006.01)
 A61K 31/445 (2006.01)
 A61K 31/505 (2006.01)
 A61K 31/506 (2006.01)
 A61P 25/28 (2006.01)

(87) WO2023/107603
 (31) 63/287,479 (32) 08.12.21 (33) US
 (43) 15.06.2023
 (72) KUMARAVEL, Gnanasambandam;
 MACDONNELL, Madeline; PENG,
 Hairuo
 (74) FPA Patent Attorneys Pty Ltd

(71) KINETA, INC.
 (11) AU-A-2022407047
 (21) 2022407047 (22) 08.12.2022
 (54) BICYCLIC HETEROARENES AND
 METHODS OF THEIR USE
 (51) Int. Cl.
 A61K 31/519 (2006.01)
 A61K 31/537 (2006.01)
 A61K 31/5375 (2006.01)
 C07D 403/04 (2006.01)
 C07D 413/04 (2006.01)
 C07D 413/12 (2006.01)
 C07D 413/14 (2006.01)
 A61P 21/00 (2006.01)
 A61P 25/16 (2006.01)
 A61P 25/28 (2006.01)

(87) WO2023/107623
 (31) 63/287,517 (32) 08.12.21 (33) US
 (43) 15.06.2023
 (72) KUMARAVEL, Gnanasambandam;
 MACDONNELL, Madeline; PENG,
 Hairuo; OZBOYA, Kerem; WRONA,
 Iwona; LE BOURDONNEC, Bertrand;
 LUCAS, Matthew; KURIA, Vanessa;
 DELABARRE, Byron
 (74) FPA Patent Attorneys Pty Ltd

(71) KONINKLIJKE PHILIPS N.V.
 (11) AU-A-2023290030
 (21) 2023290030 (22) 14.06.2023
 (54) PATIENT MONITORING DURING A
 SCAN
 (51) Int. Cl.
 A61B 6/03 (2006.01)
 A61B 8/08 (2006.01)

(87) WO2023/247274
 (31) 22180296.0 (32) 22.06.22 (33) EP
 (43) 28.12.2023
 (72) SENEGAS, Julien Thomas;
 FRERKING, Lena Christina; SCHMITT,
 Holger
 (74) FB Rice Pty Ltd

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<p>(71) KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY (11) AU-A-2023208818 (21) 2023208818 (22) 20.01.2023 (54) DEVICE FOR STORING ELECTRICITY AND HIGH-TEMPERATURE ENERGY (51) Int. Cl. F28D 20/00 (2006.01) F17D 1/08 (2006.01) F17D 3/01 (2006.01) F28F 1/14 (2006.01) F28F 1/34 (2006.01) F28F 13/00 (2006.01) H05B 3/16 (2006.01) (87) WO2023/140699 (31) 10-2022-0009404 (32) 21.01.22 (33) KR (43) 27.07.2023 (72) CHANG, Daejun; CHE, Sanghyun (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(31) 63/297,787 (32) 09.01.22 (33) US 63/374,878 07.09.22 US (43) 13.07.2023 (72) STONE, Michele; HEAH, Theresa; GUPTA, Nachiketa; SHEN, Weiran; CEPEDA, Diana; CASTELLANOS, Ruth (74) Davies Collison Cave Pty Ltd</p>	<p>(21) 2023218618 (22) 05.02.2023 (54) MANAGING SIDELINK FEEDBACK TO A BASE STATION (51) Int. Cl. H04W 72/40 (2023.01) H04L 1/18 (2023.01) (87) WO2023/152619 (31) 63/309,935 (32) 14.02.22 (33) US (43) 17.08.2023 (72) GANESAN, Karthikeyan; GOLITSCHKEK EDLER VON ELBWART, Alexander; LÖHR, Joachim; BASU MALLICK, Prateek; NANGIA, Vijay; KUCHIBHOTLA, Ravi (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) KOREA ZINC CO.,L TD. (11) AU-A-2023222954 (21) 2023222954 (22) 10.05.2023 (54) METHOD FOR RECOVERING IRON AND VALUABLE METALS FROM ELECTRIC ARC FURNACE DUST (51) Int. Cl. C22B 7/02 (2006.01) (31) 10-2023-0002979 (32) 09.01.23 (33) KR (43) 25.07.2024 (72) CHOI, Heon Sik; KANG, Sung Moon (74) ET Intellectual Property</p>	<p>(71) KSQ THERAPEUTICS, INC. (11) AU-A-2023212271 (21) 2023212271 (22) 24.01.2023 (54) UBIQUITIN-SPECIFIC-PROCESSING PROTEASE 1 (USP1) INHIBITORS FOR THE TREATMENT OF SOLID TUMORS (51) Int. Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01) (87) WO2023/147311 (31) 63/302,891 (32) 25.01.22 (33) US 63/375,601 14.09.22 US 63/384,554 21.11.22 US (43) 03.08.2023 (72) WYLIE, Andrew, Alistair; CADZOW, Anne, Louise; LIU, Hanlan; OLAHARSKI, Andrew, James; SENDEROWICZ, Adrian (74) FB Rice Pty Ltd</p>	<p>(71) LEXMARK INTERNATIONAL, INC. (11) AU-A-2023372755 (21) 2023372755 (22) 28.01.2023 (54) METHODS AND SYSTEMS FOR DETERMINING THE AUTHENTICITY OF A COMPONENT (51) Int. Cl. B41J 2/175 (2006.01) G03G 15/08 (2006.01) G06F 21/44 (2013.01) G06Q 30/018 (2023.01) (87) WO2024/096922 (31) 63/421,768 (32) 02.11.22 (33) US 18/102,516 27.01.23 US (43) 10.05.2024 (72) DAVIDSON, Samuel, R.; ELLIS, James, Howard, Jr.; FISTER, Zachary, Nathan; RADEMACHER, Timothy, John; WILLIAMS, Jennifer, Topmiller (74) WRAYS PTY LTD</p>
<p>(71) KOREA ZINC CO., LTD.; KEMCO (11) AU-A-2023222908 (21) 2023222908 (22) 31.03.2023 (54) METHOD FOR PRODUCING NICKEL SULFATE SOLUTION FOR SECONDARY BATTERY FROM NICKEL CATHODE (51) Int. Cl. C01G 53/10 (2006.01) C22B 3/00 (2006.01) C22B 3/08 (2006.01) H01M 10/54 (2006.01) (87) WO2023/243832 (31) 10-2023-0004092 (32) 11.01.23 (33) KR (43) 25.07.2024 (72) CHOI, Heon Sik; JOO, Jae Hoon; LEE, Tae Kyung (74) ET Intellectual Property</p>	<p>(71) LENOVO (SINGAPORE) PTE. LTD. (11) AU-A-2023216501 (21) 2023216501 (22) 03.02.2023 (54) SIDELINK POSITIONING REFERENCE SIGNAL PROCESSING (51) Int. Cl. H04W 64/00 (2009.01) H04W 76/14 (2018.01) (87) WO2023/148666 (31) 63/307,463 (32) 07.02.22 (33) US (43) 10.08.2023 (72) THOMAS, Robin; GANESAN, Karthikeyan; BEN HADJ FREDJ, Abir; FRANK, Colin; BHAMRI, Ankit; ALI, Ali Ramadan (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) LG ELECTRONICS INC. (11) AU-A-2023285544 (21) 2023285544 (22) 25.04.2023 (54) WET MOP MODULE OF CLEANER (51) Int. Cl. A47L 11/40 (2006.01) (87) WO2023/239050 (31) 10-2022-0071040 (32) 10.06.22 (33) KR (43) 14.12.2023 (72) JANG, Jaewon; CHAE, Aekyung; LEE, Minwoo; LEE, Yeongjae (74) FB Rice Pty Ltd</p>
<p>(71) KRIYA THERAPEUTICS, INC. (11) AU-A-2023205804 (21) 2023205804 (22) 09.01.2023 (54) VECTOR CONSTRUCTS FOR DELIVERY OF NUCLEIC ACIDS ENCODING THERAPEUTIC ANTI-IGF-1R ANTIBODIES AND METHODS OF USING THE SAME (51) Int. Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61P 27/02 (2006.01) A61P 35/00 (2006.01) (87) WO2023/133561</p>	<p>(71) LENOVO (SINGAPORE) PTE. LTD. (11) AU-A-2023217965 (21) 2023217965 (22) 05.02.2023 (54) INDICATING SIDELINK CHANNEL OCCUPANCY TIME SHARING BETWEEN USER EQUIPMENT (51) Int. Cl. H04W 72/25 (2023.01) (87) WO2023/152618 (31) 63/309,226 (32) 11.02.22 (33) US (43) 17.08.2023 (72) GANESAN, Karthikeyan; GOLITSCHKEK EDLER VON ELBWART, Alexander; LÖHR, Joachim; BASU MALLICK, Prateek; NANGIA, Vijay; KUCHIBHOTLA, Ravi (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) LOHMANN & RAUSCHER GMBH & CO. KG (11) AU-A-2023208424 (21) 2023208424 (22) 24.01.2023 (54) WOUND DRESSING HAVING ARCuate INDENTATIONS (51) Int. Cl. A61F 13/02 (2006.01) (87) WO2023/139283 (31) 20 2022 100 372.6 (32) 24.01.22 (33) DE (43) 27.07.2023 (72) SCHULZE, Daniel (74) Fraser Old & Sohn</p>
<p>(71) LUMMUS TECHNOLOGY LLC (11) AU-A-2023206377 (21) 2023206377 (22) 13.01.2023</p>	<p>(71) LENOVO (SINGAPORE) PTE. LTD. (11) AU-A-2023218618</p>	<p>(71) LUMMUS TECHNOLOGY LLC (11) AU-A-2023206377 (21) 2023206377 (22) 13.01.2023</p>

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- (54) PLASTIC PYROLYSIS REACTOR
 (51) Int. Cl.
C10G 1/10 (2006.01)
B29B 17/04 (2006.01)
C10B 47/34 (2006.01)
C10B 53/07 (2006.01)
 (87) WO2023/137430
 (31) 63/266,801 (32) 14.01.22 (33) US
 (43) 20.07.2023
 (72) GUYMON, David, Lee; FERNALD, Daniel, T.; HERBANEK, Ron; JIBB, Richard, John; CHAKRABORTY, Sudipto; COMBS, Johnny, Doyle; LINDSEY, Boddie, Lynn; MAYS, Zachary, Alan
 (74) Spruson & Ferguson
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- (71) LUMMUS TECHNOLOGY LLC
 (11) AU-A-2023207078
 (21) 2023207078 (22) 11.01.2023
 (54) PLASTIC PYROLYSIS HEATING/REACTION RECIPE
 (51) Int. Cl.
C10G 1/10 (2006.01)
B29B 17/04 (2006.01)
C10B 53/07 (2006.01)
C10C 3/00 (2006.01)
 (87) WO2023/137068
 (31) 63/266,809 (32) 14.01.22 (33) US
 (43) 20.07.2023
 (72) CHAKRABORTY, Sudipto; CHEN, Liang; CHU, Te-Chun; SOM, Manoj; GUYMON, David, Lee; FERNALD, Daniel, T.; JIBB, Richard, John; HERBANEK, Ron
 (74) Spruson & Ferguson
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- (71) LYONDELLBASELL ADVANCED POLYMERS INC.
 (11) AU-A-2022404972
 (21) 2022404972 (22) 05.12.2022
 (54) LOST CIRCULATION COMPOSITION AND METHODS
 (51) Int. Cl.
C09K 8/08 (2006.01)
C09K 8/504 (2006.01)
C09K 8/514 (2006.01)
C09K 8/516 (2006.01)
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C08L 83/04 (2006.01)
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C12N 15/12 (2006.01)
C12N 15/65 (2006.01)
C12Q 1/02 (2006.01)
C40B 30/00 (2006.01)
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A61K 35/17 (2015.01)
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A61P 35/00 (2006.01)
C12N 5/071 (2010.01)
C12N 15/00 (2006.01)
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A61M 1/00 (2006.01)
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B29C 33/00 (2006.01)
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C08J 7/04 (2020.01)
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A61P 19/00 (2006.01)
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 A61P 11/00 (2006.01)
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 C07D 401/14 (2006.01)
 A01N 43/50 (2006.01)
 A01N 43/54 (2006.01)
 A01N 43/653 (2006.01)
 A01N 43/836 (2006.01)
 A01P 7/04 (2006.01)
 A61K 31/444 (2006.01)
 A61K 31/4709 (2006.01)
 A61K 31/501 (2006.01)
 A61K 31/5395 (2006.01)
 A61P 33/00 (2006.01)
 C07D 413/04 (2006.01)
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G01S 7/52 (2006.01)
G01C 21/16 (2006.01)
G01C 21/20 (2006.01)
G01S 15/60 (2006.01)
G01S 15/89 (2006.01)
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A61P 27/00 (2006.01)
A61K 31/454 (2006.01)
A61P 37/00 (2006.01)
C07D 401/06 (2006.01)
C07D 401/14 (2006.01)
C07D 405/14 (2006.01)
C07D 491/107 (2006.01)
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A61K 31/519 (2006.01)
A61K 9/00 (2006.01)
A61K 47/12 (2006.01)
A61K 47/26 (2006.01)
A61P 35/00 (2006.01)
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A23L 31/10 (2016.01)
A23J 3/04 (2006.01)
A23J 3/22 (2006.01)
A23L 13/00 (2016.01)
C12N 1/19 (2006.01)
C12N 5/16 (2006.01)
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C07K 16/28 (2006.01)
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A61K 31/519 (2006.01)
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C12N 9/24 (2006.01)
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F22B 1/18 (2006.01)
F22B 35/00 (2006.01)
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H04W 76/50 (2018.01)
H04W 4/02 (2018.01)
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H04L 51/56 (2022.01)
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A23L 2/38 (2021.01)
A23C 11/00 (2006.01)
A23C 11/10 (2021.01)
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A23C 11/00 (2006.01)
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F16B 43/00 (2006.01)
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G06Q 10/0835 (2023.01)
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A61K 47/10 (2017.01)
A61K 47/34 (2017.01)
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C07D 239/96 (2006.01)
A61K 31/4196 (2006.01)
A61K 31/513 (2006.01)
A61K 31/517 (2006.01)
C07D 333/24 (2006.01)
C07D 401/12 (2006.01)
A61P 17/00 (2006.01)
A61Q 19/08 (2006.01)
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A61B 5/024 (2006.01)
A61B 5/145 (2006.01)
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A61B 5/024 (2006.01)
A61B 5/00 (2006.01)
A61B 5/145 (2006.01)
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C09J 7/35 (2018.01)
B32B 7/023 (2019.01)
B32B 7/027 (2019.01)
B32B 27/00 (2006.01)
B32B 27/18 (2006.01)
C09J 201/00 (2006.01)
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A61M 1/14 (2006.01)
A61M 1/36 (2006.01)
B01D 35/00 (2006.01)
B01D 61/30 (2006.01)
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G01N 1/36 (2006.01)
G01N 1/28 (2006.01)
G01N 1/42 (2006.01)
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B60L 8/00 (2006.01)
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F16L 55/165 (2006.01)
F16L 55/179 (2006.01)
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 (54) MULTI-POSITION AIRFLOW CONTROL ASSEMBLY FOR AN AIR CUSHION
 (51) Int. Cl.
A61G 5/10 (2006.01)
A47C 27/10 (2006.01)
A61G 7/057 (2006.01)
F16K 11/00 (2006.01)

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A47C 27/08 (2006.01)
A47C 27/10 (2006.01)
A61G 5/10 (2006.01)
A61G 7/057 (2006.01)
F16K 15/14 (2006.01)
F16K 15/20 (2006.01)
F16L 37/00 (2006.01)
F16L 37/40 (2006.01)
F16L 55/07 (2006.01)
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 (51) Int. Cl.
A61K 39/00 (2006.01)
A61K 35/17 (2015.01)
C07K 16/28 (2006.01)
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A61P 13/02 (2006.01)
A61K 31/19 (2006.01)
A61K 31/33 (2006.01)
A61K 31/335 (2006.01)
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A61M 25/09 (2006.01)
A61M 25/01 (2006.01)
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 (51) Int. Cl.
B62D 15/02 (2006.01)
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A61K 31/404 (2006.01)
A61K 31/395 (2006.01)
A61K 31/416 (2006.01)
A61K 31/33 (2006.01)
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H01M 10/613 (2014.01)
A62C 3/16 (2006.01)
H01M 10/643 (2014.01)
H01M 10/6556 (2014.01)
H01M 10/6564 (2014.01)
H01M 10/6567 (2014.01)
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 (31) 21217991.5 (32) 28.12.21 (33) EP
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 (74) GLMR
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C04B 12/00 (2006.01)
C04B 7/24 (2006.01)
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A23L 5/20 (2016.01)
B01D 3/00 (2006.01)
B01D 3/14 (2006.01)
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C09D 133/08 (2006.01)
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A01G 25/16 (2006.01)
G06Q 50/02 (2012.01)
G06T 7/12 (2017.01)
G06V 10/26 (2022.01)
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A61F 5/44 (2006.01)
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H04W 4/021 (2018.01)
G07C 9/00 (2020.01)
H04W 52/02 (2009.01)
H04W 76/14 (2018.01)
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G07C 9/00 (2020.01)
E05B 15/02 (2006.01)
G01S 5/04 (2006.01)
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E21B 7/06 (2006.01)
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A61P 9/10 (2006.01)
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C07K 14/81 (2006.01)
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F03B 17/06 (2006.01)
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A61K 31/713 (2006.01)
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C07D 487/04 (2006.01)
A61K 31/53 (2006.01)
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H04L 12/413 (2006.01)
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H04L 61/5038 (2022.01)
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A01G 9/02 (2018.01)
A01G 9/14 (2006.01)
A01G 9/24 (2006.01)
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C12N 5/077 (2010.01)
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A62B 23/00 (2006.01)
A41D 13/11 (2006.01)
A61M 16/06 (2006.01)
A61M 16/08 (2006.01)
A61M 16/20 (2006.01)
A61F 5/56 (2006.01)
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A23G 1/32 (2006.01)
A23G 1/40 (2006.01)
A23G 1/46 (2006.01)
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B65B 29/02 (2006.01)
B65B 43/08 (2006.01)
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A23G 1/32 (2006.01)
A23G 1/40 (2006.01)
A23G 1/46 (2006.01)
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A23C 11/10 (2021.01)
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A61K 35/74 (2015.01)
A61K 35/741 (2015.01)
A61K 35/744 (2015.01)
A61K 35/747 (2015.01)
A61K 36/06 (2006.01)
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D21H 21/56 (2006.01)
D21H 21/16 (2006.01)
D21H 23/04 (2006.01)
D21H 17/17 (2006.01)
D21H 17/62 (2006.01)
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F25B 45/00 (2006.01)
F28D 15/04 (2006.01)
F28F 27/00 (2006.01)
B01D 11/04 (2006.01)
F28F 13/00 (2006.01)
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(72) MEITZ, Simon Michael; DOBOS, Janos	(51) Int. Cl.			(74) Patent Attorney Services
(74) Spruson & Ferguson	<i>A61K 9/00</i> (2006.01)			
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(72) BROWN, Ward	(51) Int. Cl.			(51) Int. Cl.
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	(74) Griffith Hack			(74) Churchill Attorneys
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G06Q 10/02 (2012.01)
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A61N 1/05 (2006.01)
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B01D 46/00 (2022.01)
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 (74) FB Rice Pty Ltd

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 A42B 3/12 (2006.01)
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2021481041	B-TON IP GMBH	2022415481	NOHMS TECHNOLOGIES, INC.
2021481557	OATLY AB	2022416184	VERDICEL INC.
2022298843	ZHEJIANG NANOMAB TECHNOLOGY CENTER CO. LTD.	2022416189	PLECHA, E.
2022399993	TSE, H.K.	2022416279	DELIX THERAPEUTICS, INC.
2022403631	KARE CHEMICAL TECHNOLOGIES INC.	2022416432	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
2022403869	TRACY OF SWEDEN AB	2022416514	BIOVENTURES, LLC
2022404031	YEDA RESEARCH AND DEVELOPMENT CO. LTD.; BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	2022416518	HHID, LLC
2022404972	LYONDELLBASELL ADVANCED POLYMERS INC.	2022416543	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
2022405012	CLEANFIBER INC.	2022416658	ANSA BIOTECHNOLOGIES, INC.
2022405100	OMEROS CORPORATION	2022416660	BLACKTHORN IP, LLC
2022405439	TRUE SOUTH PARTNERS, LLC	2022417288	AUSTRALIAN LUNG HEALTH INITIATIVE PTY LTD
2022405444	METALMARK INNOVATIONS, PBC	2022417425	BGI SHENZHEN
2022405657	NEXAM CHEMICAL AB	2022417432	FUTU NETWORK TECHNOLOGY (SHENZHEN) CO., LTD.
2022406050	KINDLING COLLECTOR LIMITED	2022417445	WASTEWATER FUELS LTD
2022406226	HUANENG CLEAN ENERGY RESEARCH INSTITUTE; SHANGHAI SHIDONGKOU NO. 2 POWER PLANT HUANENG INTERNATIONAL POWER CO. LTD	2022417570	RAI STRATEGIC HOLDINGS, INC.
2022406431	INFRAVISION HOLDINGS PTY LTD	2022417632	PAULUS, A.M.
2022406776	RADICAL CLEAN SOLUTIONS LTD.	2022417635	GENANS BIOTECHNOLOGY CO., LTD
2022406926	KINETA, INC.	2022418256	VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT
2022407039	KINETA, INC.	2022419390	NUWAVE COMMUNICATIONS, INC.
2022407047	KINETA, INC.	2022419424	EUROTAB OPERATIONS
2022407065	ADRENALINE IP	2022420130	GENANS BIOTECHNOLOGY CO., LTD
2022407504	NAGRAVISION SÀRL	2022420588	A10 SYSTEMS LLC
2022407875	JANSSSEN BIOTECH, INC.	2022420980	NEXT LEVEL RACING SIMULATIONS PTY LTD
2022407880	DEPUY IRELAND UNLIMITED COMPANY	2022421095	IMPERO, P.
2022407962	ASSA ABLOY NEW ZEALAND LIMITED	2022421103	NICOVENTURES TRADING LIMITED
2022408070	CANAZON, J.	2022421217	A10 SYSTEMS LLC
2022409327	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	2022421944	AUTORUN TECHNOLOGIES PTY LTD
2022409608	TOTALENERGIES ONETECH	2022422001	SOLAREA BIO, INC.
2022409934	STELLENBOSCH UNIVERSITY	2022422222	BANK OF CANADA; NATIONAL RESEARCH COUNCIL OF CANADA
2022410011	IMDEX TECHNOLOGIES PTY LTD	2022422318	MEDICAL TECHNOLOGY FOR LIFE
2022410031	UNIVERSITA' DEGLI STUDI DI PARMA; UNIVERSITA' DEGLI STUDI DI FIRENZE; AZIENDA OSPED-ALIERO-UNIVERSITARIA CAREGGI	2022422532	ETHERNA IMMUNOTHERAPIES NV
2022410057	NIANTIC, INC.	2022422635	SHENZHEN ANTIV PHARMA CO., LTD.
2022410059	KASHIV BIOSCIENCES, LLC	2022423980	ELASTINTECH, INC.; VYAVAHARE, N.
2022410066	RAMOT AT TEL-AVIV UNIVERSITY LTD.	2022424074	EAMBIENT, INC.
2022410089	ROHM AND HAAS COMPANY	2022424120	PROXAMAMA LLC
2022410322	GIULIANI S.P.A.	2022424122	CHECKMATE PHARMACEUTICALS, INC.
2022410478	WORK AIR TECHNOLOGIES PTY LTD	2022424131	ENTRINSIC, LLC
2022410481	RUBICON RESEARCH PTY LTD; THE UNIVERSITY OF MELBOURNE	2022424212	HITGEN INC.
2022410502	TERRAMERA, INC.	2022425306	HANGZHOU ADAMERCK PHARMLABS INC.
2022410733	NOHMS TECHNOLOGIES, INC.	2022425455	PPG ARCHITECTURAL FINISHES, INC.
2022410758	RARE EARTH TECHNOLOGIES, INC.	2022425576	APHEA.BIO NV
2022410807	SHANTOU SAMMA PLASTIC INDUSTRY CO., LTD.	2022425589	ONALABS INNO-HUB
2022411916	OCADO INNOVATION LIMITED	2022425867	THE GBA NATIONAL INSTITUTE FOR NANOTECHNOLOGY INNOVATION
2022412023	MODULAR NATIONAL CLEANING PTY LTD	2022426316	HANGZHOU HIGHLIGHTLL PHARMACEUTICAL CO., LTD
2022412024	3DM BIOMEDICAL PTY LTD	2022426661	ONALABS INNO-HUB
2022412026	COSMOAESTHETICS PTY LTD	2022426713	AVICEDA THERAPEUTICS, INC.; UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.
2022412029	K F GROUP PTY LTD	2022427866	EAMBIENT, INC.
2022412069	NIANTIC, INC.	2022427993	CANBAS CO., LTD.
2022413169	EVONIK OPERATIONS GMBH	2022428092	NEURODERM, LTD.

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2022429782	UPL CORPORATION LIMITED; UPL EUROPE LTD	2023205110	ASTERION AI INC.
2022429791	TRANSOCEAN SEDCO FOREX VENTURES LIMITED	2023205111	ELC MANAGEMENT LLC
2022429920	KASHIV BIOSCIENCES, LLC	2023205126	CYRANO THERAPEUTICS, INC.
2022430171	BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.	2023205128	CYRANO THERAPEUTICS, INC.
2022430229	NICOVENTURES TRADING LIMITED	2023205199	SORKIN, F.
2022430483	VIASAT, INC.	2023205201	HUNTLEY, T.
2022430507	PERMOBIL, INC.	2023205312	BAYER AKTIENGESELLSCHAFT
2022430666	UPSTREAM DATA INC.	2023205425	BAYER AKTIENGESELLSCHAFT
2022430726	NANJING NUTRABUILDING BIO-TECH CO., LTD.	2023205431	NOVOZYMES A/S
2022430864	CHINA PETROLEUM & CHEMICAL CORPORATION; SINOPEC (BEIJING) RESEARCH INSTITUTE OF CHEMICAL INDUSTRY CO., LTD.; TSINGHUA UNIVERSITY	2023205441	AZAFAROS B.V.
2022431156	NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT	2023205461	ENSOMA APS
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2022431623	ELATUM, LLC	2023205480	MINIMINES CLEANTECH SOLUTIONS PRIVATE LIMITED
2022431708	PERMOBIL, INC.	2023205553	K36 THERAPEUTICS, INC.
2022431895	BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD.	2023205708	TOOLGEN INCORPORATED
2022432103	1773048 ALBERTA LTD.	2023205756	PERMA-LINER INDUSTRIES, LLC
2022432263	DAESANG CORPORATION	2023205788	PLUSAI, INC.
2022432757	TOMY COMPANY, LTD.	2023205804	KRIYA THERAPEUTICS, INC.
2022432849	MASSACHUSETTS INSTITUTE OF TECHNOLOGY; THE GENERAL HOSPITAL CORPORATION; UNIVERSITY OF KANSAS	2023205859	SOLVCOR TECHNOLOGIES LLC
2022432854	FARRELL, R.G.	2023205885	ABIOMED, INC.
2022434339	KABUSHIKI KAISHA EARTHTECHNICA	2023205924	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
2022434346	CYRON THERAPEUTICS CO., LTD.	2023205944	BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.
2022435101	SHIFT5, INC.	2023206033	NATURE BASED SOLUTIONS (GLOBAL) LTD
2022435102	ELANCO US INC.; ELANCO ANIMAL HEALTH GMBH	2023206241	SUPACELL PTY LTD
2022435286	TECALEMIT GMBH & CO. KG	2023206268	ANGEL GROUP CO., LTD.
2022435901	HUAWEI TECHNOLOGIES CO., LTD.	2023206308	DIGITAL CONSOLIDATION, INC.
2022436150	TOHO TITANIUM CO.,LTD.	2023206335	UNIVERSITY OF WASHINGTON
2022436753	COSENTINO RESEARCH & DEVELOPMENT, S.L.	2023206365	CERIBELL, INC.
2022438852	VOLVO AUTONOMOUS SOLUTIONS AB	2023206377	LUMMUS TECHNOLOGY LLC
2022438901	BIOGASCLEAN A/S	2023206380	EQUINIX, INC.
2022439268	MIXI, INC.	2023206381	ABBVIE INC.
2022440032	DYNASCAN TECHNOLOGY CORP.	2023206523	MORPHOTONICS HOLDING B.V.
2022442240	PYLON TECHNOLOGIES CO., LTD.	2023206524	MORPHOTONICS HOLDING B.V.
2022443275	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	2023206529	EPIROC ROCK DRILLS AKTIEBOLAG
2022443656	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	2023206622	FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
2022444834	VOLVO AUTONOMOUS SOLUTIONS AB	2023206635	TARA BRANDS EUROPE S.L.U.
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2022445995	OSAKA SEALING PRINTING CO., LTD.	2023206696	SUNSHINE LAKE PHARMA CO., LTD.
2022449908	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	2023206698	SUN PHARMACEUTICAL INDUSTRIES LIMITED
2022466534	BEIJING GOLDWIND SCIENCE & CREATION WIND-POWER EQUIPMENT CO., LTD.	2023206756	KENNAMETAL INC.
2023204428	SCHLAGE LOCK COMPANY LLC	2023206891	VECTOR CONTROLS INC.
2023204473	SCHLAGE LOCK COMPANY LLC	2023206922	SCHLAGE LOCK COMPANY LLC
2023204477	SCHLAGE LOCK COMPANY LLC	2023206923	DANIMER IPCO, LLC
2023204485	BAXTER INTERNATIONAL INC.; BAXTER HEALTHCARE SA	2023206988	EBARA CORPORATION
2023204512	SCHLAGE LOCK COMPANY LLC	2023207076	SARTORIUS STEDIM NORTH AMERICA INC.
2023204743	ODDITY LABS, LLC	2023207078	LUMMUS TECHNOLOGY LLC
2023204745	REGENERON PHARMACEUTICALS, INC.	2023207131	SYNATA BIO, INC.
2023204775	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	2023207132	SCHLUMBERGER TECHNOLOGY B.V.
2023204792	CAPE INDUSTRIES, LLC	2023207148	MEDSOURCE INTERNATIONAL LLC
2023204805	CYRANO THERAPEUTICS, INC.	2023207151	OUTSET MEDICAL, INC.
2023204806	ABSCI CORPORATION	2023207157	FIBROGEN, INC.
2023204833	MICROBION CORPORATION	2023207213	SICHUAN KELUN-BIOTECH BIOPHARMACEUTICAL CO., LTD.
2023204881	ANDA BIOLOGY MEDICINE DEVELOPMENT (SHENZHEN) CO., LTD	2023207319	ADAMA MAKHTESHIM LTD.
2023204918	DIRECT ANALYSIS	2023207406	NUOVO PIGNONE TECNOLOGIE - S.R.L.
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2023205038	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	2023207458	ULLMAN DYNAMICS AB; ULLMAN, C.M.
2023205058	STEALTH BIOTHERAPEUTICS INC.; THE GENERAL HOSPITAL CORPORATION	2023207592	AIR COMPANY HOLDINGS, INC.
2023205073	JOHNSON CONTROLS TYCO IP HOLDINGS LLP	2023207604	REGENERON PHARMACEUTICALS, INC.
		2023207665	PROTHENA BIOSCIENCES LIMITED
		2023207667	BIODEL AG INC.
		2023207798	EJOT SE & CO. KG
		2023207816	CAMBRIUM GMBH
		2023207835	JEMELLA LIMITED

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2023207959	MYRIAD WOMEN'S HEALTH, Inc.	2023213941	PORIFERA, INC.
2023207990	GEOPIER FOUNDATION COMPANY, Inc.	2023213949	PMV PHARMACEUTICALS, INC.
2023208005	PRODUCTION TECHNOLOGIES AUSTRALIA PTY LTD	2023214122	CARLSBERG BREWERIES A/S
2023208020	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	2023214194	V-WAVE LTD.
2023208022	SOLENIIS TECHNOLOGIES CAYMAN, L.P.	2023214543	K-FEE SYSTEM GMBH
2023208039	GIDDU PHUTANA, INC.	2023214557	BIOBASE FUTURE PTY LTD
2023208225	ANDROMEDA IP PTY LTD	2023214726	GIVAUDAN SA
2023208357	INVOX BELGIUM NV	2023214969	NIPPON STEEL CORPORATION
2023208364	DECATHLON	2023215261	THIRDWAYV, INC.
2023208424	LOHMANN & RAUSCHER GMBH & CO. KG	2023215269	VERGENT BIOSCIENCE, INC.
2023208426	NOVIMMUNE SA	2023215312	OCULAR THERAPEUTIX, INC.
2023208523	ADS THERAPEUTICS LLC	2023215454	CANCER TARGETED TECHNOLOGY LLC
2023208661	HALKEY-ROBERTS CORPORATION	2023215702	F. HOFFMANN-LA ROCHE AG
2023208665	JOHNSON CONTROLS TYCO IP HOLDINGS LLP	2023215790	PURATOS NV
2023208717	BASF SE	2023215791	VAR2 PHARMACEUTICALS APS
2023208818	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY	2023215826	HALEON CH SARL
2023208854	BASF SE	2023216067	NIPPON STEEL CORPORATION
2023208908	SUEZ INTERNATIONAL; NEWHUB HOLDING COMPANY	2023216170	GPI FRANKFURT & AUGSBURG GMBH
2023209024	SUZHOU ABOGEN BIOSCIENCES CO., LTD.	2023216289	KELLANOVA
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2023209120	ABBELIGHT	2023216489	EVERSEEN LIMITED
2023209182	SALTS HEALTHCARE LIMITED	2023216501	LENOVO (SINGAPORE) PTE. LTD.
2023209183	UPL CORPORATION LIMITED; UPL EUROPE LTD	2023216565	MAINTTECH CO., LTD.
2023209345	BASF SE	2023216979	VITALTRACE PTY LTD
2023209422	INSULET CORPORATION	2023216993	C4 THERAPEUTICS, INC.
2023209591	GESTRA AG	2023217020	GENERAL MILLS, INC.
2023209620	AURIGENE ONCOLOGY LIMITED	2023217608	EDWARDS LIFESCIENCES CORPORATION
2023209631	NOVARTIS AG	2023217609	EDWARDS LIFESCIENCES CORPORATION
2023209865	PANTOMICS INC.	2023217698	VOYAGER THERAPEUTICS, INC.
2023209901	EMORY UNIVERSITY; CHILDREN'S HEALTHCARE OF ATLANTA, INC.	2023217735	INTERIUS BIOTHERAPEUTICS, INC.
2023210010	SHANGHAI ARGO BIOPHARMACEUTICAL CO., LTD.	2023217965	LENOVO (SINGAPORE) PTE. LTD.
2023210256	REGENERON PHARMACEUTICALS, INC.	2023218104	NIPPON STEEL CORPORATION; VALLOUREC OIL AND GAS FRANCE
2023210475	NICOVENTURES TRADING LIMITED	2023218343	PHANES THERAPEUTICS, INC.
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2023210902	ABBELIGHT	2023218618	LENOVO (SINGAPORE) PTE. LTD.
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2023211589	AMGEN INC.	2023221764	AMARNA HOLDING B.V.
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2023211706	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2023221883	X DEVELOPMENT LLC
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2023212782	CALIFORNIA MANUFACTURING AND ENGINEERING CO., LLC	2023223545	ABIOMED EUROPE GMBH
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2023213143	THE UNIVERSITY OF SHEFFIELD	2023226515	ALCON INC.
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2023347090 HAVER & BOECKER LATINOAMERICANA LIMITADA
2023358131 HANSHOW TECHNOLOGY CO., LTD.
2023363703 CMP PRODUCTS LIMITED
2023372755 LEXMARK INTERNATIONAL, INC.
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<u>A01N 47 /-</u>	<u>A23K 10 /-</u>	<u>A41D 13 /-</u>	<u>A61B 17 /-</u>	2023205425	2023205058
2022429782	2023207131	2023212946	2023214194	2023205441	2023205126
2023207319	2023316503	<u>A41D 31 /-</u>	<u>A61B 34 /-</u>	2023205553	2023205128
<u>A01N 53 /-</u>	<u>A23L 11 /-</u>	2023212946	2023208039	2023205553	2023205312
2023209183	2021480641	<u>A41D 31 /-</u>	2023215269	2023206381	2023205425
<u>A01P 1 /-</u>	2023224550	2022407880	<u>A61B 19 /-</u>	2023206698	2023205441
2023224550	<u>A23L 13 /-</u>	2023208039	<u>A61G 5 /-</u>	2023207157	2023205553
<u>A01P 13 /-</u>	2023213618	2023212045	2022430507	2023207213	2023206381
2022429782	2021480641	<u>A42B 3 /-</u>	2022431708	2023208357	2023206698
<u>A01P 3 /-</u>	2021481039	2023212045	<u>A61G 7 /-</u>	2023208523	2023207157
2023207319	2021481557	<u>A43B 1 /-</u>	2023226515	2023209620	2023207213
2023213321	2023214726	2023207415	<u>A61H 19 /-</u>	2023209631	2023208357
2023224550	2023224550	2023229200	2023205476	2023209901	2023208523
<u>A23L 2 /-</u>	<u>A23L 2 /-</u>	<u>A43B 17 /-</u>	<u>A61H 23 /-</u>	2023210010	2023209620
2021480641	2021480641	2023212045	2023205476	2023210923	2023209631
2021481039	2021481039	<u>A43B 23 /-</u>	<u>A61H 23 /-</u>	2023211036	2023209901
2021481557	2021481557	2022416518	2023205476	2023212271	2023210010
2023214726	2023214726	2022417288	<u>A61K 33 /-</u>	2023212711	2023210923
2023224550	<u>A23L 27 /-</u>	2022425589	2023204833	2023213071	2023211036
	2022432263	2022426661		2023213321	2023212271

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

2023238766	2022431253	<u>A61M 11/-</u>	<u>A61P 17/-</u>	2022424212	<u>A63F 11/-</u>
<u>A61K 35/-</u>	2022435102			2022425867	
	2023204805	2023208357	2022423980	2022426713	2023206268
2022404031	2023205126	<u>A61M 16/-</u>	2022424131	2022427993	<u>A63F 13/-</u>
2022422001	2023205128		2022431253	2022434346	
2023205431	2023206335	2022422318	2023204743	2023204775	2022407065
2023208020	2023207213	2023212946	2023206698	2023204881	2022420980
2023211706	2023209024	<u>A61M 25/-</u>	2023225222	2023205553	2022432757
2023218343	2023211036		2023227111	2023205804	
<u>A61K 36/-</u>	2023211165	2022416189	<u>A61P 19/-</u>	2023207213	<u>B01D 1/-</u>
	2023215312	2023205885		2023208020	
2022422001	2023215454	2023207148	2022430726	2023208426	2023208717
2023224336	2023215791	2023212952	<u>A61P 21/-</u>	2023209620	2023209345
<u>A61K 38/-</u>	<u>A61K 48/-</u>	<u>A61M 35/-</u>		2023210923	<u>B01D 11/-</u>
			2022407047	2023211036	
2022410066	2022422532	2023205476	2022410066	2023211165	2023205859
2022417635	2023204775	<u>A61M 37/-</u>	<u>A61P 25/-</u>	2023212271	<u>B01D 15/-</u>
2022420130	2023210010			2023215454	
2022422532	2023211688	2022412026	2022403631	2023216993	2022410758
2022431253	2023217698	<u>A61M 39/-</u>	2022406926	2023220748	2022429920
2023205058	2023221764		2022407039	2023231218	2023213766
2023205431	<u>A61K 49/-</u>	2023205885	2022407047	2023238766	
2023206335		2023225708	2022410066	<u>A61P 37/-</u>	<u>B01D 3/-</u>
2023207816	2023215269	<u>A61M 5/-</u>	2022413364	2022422001	2023213941
2023211165	<u>A61K 51/-</u>		2022415426	2022425867	<u>B01D 35/-</u>
<u>A61K 39/-</u>		2023204485	2022416279	2022426713	
	2023207850	2023207148	2022416514	2022430726	2022432103
2022298843	<u>A61K 8/-</u>	2023210256	2022420130	2023204805	2023207151
2022405100		<u>A61N 1/-</u>	2022425306	2023204881	<u>B01D 39/-</u>
2022407875	2022409608		2022428092	2023209631	
2022416514	2022410322	<u>A61N 5/-</u>	2023205058	2023215702	2022405444
2022416543	2022423980		2023205128	<u>A61P 43/-</u>	
2022425867	2023206635	<u>A61N 7/-</u>	2023205441		2023213321
2022434346	2023207816		2023213071	2023213321	<u>B01D 45/-</u>
2023204775	<u>A61K 9/-</u>	<u>A61N 11/-</u>	2023213484	<u>A61P 7/-</u>	2023205201
2023204881			2023219059		<u>B01D 46/-</u>
2023205804	2022410031	2022420130	<u>A61P 27/-</u>	2022425306	<u>B01D 53/-</u>
2023206698	2022422532	2023249235		<u>A61P 9/-</u>	
2023208020	2022428092	<u>A61N 7/-</u>	2022417635	2022425306	2021481015
2023211706	2022430726		2023205804	2022431253	<u>B01D 53/-</u>
2023215791	2022435102	2023230620	2023209631	2023219232	
2023218343	2023204805	<u>A61P 1/-</u>	<u>A61P 29/-</u>	<u>A61Q 1/-</u>	2022405444
2023219059	2023205126		2023204805		2023213143
2023220748	2023205128	2023205431	2023215702	2022410322	<u>B01D 61/-</u>
2023231218	2023208357	2023215826	<u>A61P 3/-</u>	<u>A61Q 19/-</u>	
2023231285	2023211036	<u>A61P 11/-</u>			2023207151
2023296821	2023215312		2023210010	2022423980	<u>B01F 35/-</u>
<u>A61K 45/-</u>	2023215826	2022410031	<u>A61P 31/-</u>	2023204743	
	2023221615	2022414887		2023207816	2021481041
2022425867	2023227111	2023204805	2022422635	<u>A61Q 5/-</u>	<u>B01J 20/-</u>
2023204805	<u>A61L 15/-</u>	2023205126	2023204881		
2023204881		2023205128	2023213321	2022410322	2022405444
2023205058	2021478080	2023205312	2023213682	<u>A62B 23/-</u>	2023213766
2023205441	<u>A61L 9/-</u>	2023205425	2023224336		<u>B01J 23/-</u>
2023210923		2023208357	2023231285	2023212946	
2023213484	2021481015	2023209901	<u>A61P 33/-</u>		2023207592
2023216993	2022406776	2023213071		<u>A62C 3/-</u>	<u>B01J 31/-</u>
2023219232	<u>A61M 1/-</u>	<u>A61P 13/-</u>	2023243062	2022429609	
2023225222				<u>A63F 1/-</u>	<u>B01J 35/-</u>
<u>A61K 47/-</u>	2022405444	2023206381	<u>A61P 35/-</u>	2023206268	
	2023207151	2023224336			2023214557
2022414315	2023209182	<u>A61P 15/-</u>	2022298843		
2022416432	2023212952		2022407875		2023214557
2022425867		2023227111	2022416543		
2022426713			2022422532		
2022427993					
2022428092					

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

<u>B01J 37 /-</u>		<u>B33Y 80 /-</u>		<u>B65B 37 /-</u>	<u>B66F 9 /-</u>	<u>C04B 28 /-</u>
2023214557	<u>B27L 7 /-</u>	2022412024		2022421944	2023212782	2021481041
	2022406050	2022424120				2023229881
<u>B01J 8 /-</u>						2023230142
2023252430	<u>B27N 3 /-</u>	<u>B41J 2 /-</u>		<u>B65B 43 /-</u>	<u>B67D 7 /-</u>	2023231369
	2023206241	2023372755		2022421944	2022435286	2023231727
				2023228954		
<u>B01L 3 /-</u>		<u>B42D 25 /-</u>		<u>B65B 47 /-</u>	<u>B81B 7 /-</u>	<u>C04B 40 /-</u>
2023204918	<u>B28C 5 /-</u>	2022422222		2023228954	2023225672	2021481041
	2021481041					2022436753
<u>B02C 1 /-</u>		<u>B60B 33 /-</u>		<u>B65B 7 /-</u>	<u>B81C 1 /-</u>	2023208225
2022434339	<u>B29B 17 /-</u>	2023221767		2022421944	2023206524	2023230142
	2022414120					2023231727
	2023206241	<u>B60K 13 /-</u>		<u>B65D 1 /-</u>	<u>B82Y 20 /-</u>	<u>C04B 7 /-</u>
	2023206377	2022410478		2023209182	2023261996	2021480590
	2023207078					
<u>B03D 1 /-</u>	<u>B29C 33 /-</u>	<u>B60L 8 /-</u>		<u>B65D 17 /-</u>	<u>B82Y 40 /-</u>	<u>C05F 11 /-</u>
2023213766	2023206523	2022417632		2022415395	2022425867	2023207131
<u>B05B 7 /-</u>	<u>B29C 37 /-</u>	<u>B60N 2 /-</u>		<u>B65D 33 /-</u>	<u>B82Y 5 /-</u>	<u>C07C 229 /-</u>
2021479744	2023206523	2023207458		2023209182	2022425867	2023209024
<u>B06B 1 /-</u>	<u>B29C 43 /-</u>	<u>B60R 21 /-</u>		<u>B65D 5 /-</u>	<u>C01B 32 /-</u>	<u>C07C 29 /-</u>
2021478130	2023206523	2022399993		2022410807	2022406226	2022409608
<u>B07B 1 /-</u>	<u>B29C 49 /-</u>	<u>B60S 3 /-</u>		2023216170	<u>C01G 53 /-</u>	<u>C07C 31 /-</u>
2023347090	2023214122	2022412023		<u>B65D 57 /-</u>	2023222908	2022409608
<u>B07C 5 /-</u>	<u>B29C 55 /-</u>	<u>B62D 15 /-</u>		2023209182	<u>C02F 1 /-</u>	<u>C07C 313 /-</u>
2023206241	2022430864	2023205788		<u>B65D 63 /-</u>	2023213766	2023211589
<u>B21D 11 /-</u>	<u>B29C 70 /-</u>	<u>B62D 21 /-</u>		2022406050	<u>C02F 11 /-</u>	<u>C07C 67 /-</u>
2023205199	2023206523	2022399993		<u>B65D 71 /-</u>	2023213766	2022409608
<u>B22F 1 /-</u>	<u>B29K 1 /-</u>	<u>B63B 21 /-</u>		2022406050	<u>C02F 3 /-</u>	<u>C07C 69 /-</u>
2022436150	2023206241	2022432854		<u>B65D 8 /-</u>	2022417445	2022409608
<u>B22F 3 /-</u>	<u>B29K 101 /-</u>	<u>B63C 9 /-</u>		2023214122	<u>C04B 103 /-</u>	<u>C07D 207 /-</u>
2022436150	2023206241	2023208661		<u>B65D 83 /-</u>	2023208225	2023206635
<u>B23H 3 /-</u>	<u>B29K 711 /-</u>	<u>B63H 11 /-</u>		2023216170	<u>C04B 111 /-</u>	2023206696
2022412024	2023206241	2023206891		<u>B65D 85 /-</u>	2021481041	<u>C07D 211 /-</u>
<u>B24C 3 /-</u>	<u>B29L 7 /-</u>	<u>B63H 20 /-</u>		2023214543	2022436753	2023211589
2021479744	2023206241	2023206891		2023228311	2023208225	<u>C07D 239 /-</u>
<u>B24C 5 /-</u>	<u>B32B 27 /-</u>	<u>B64U 101 /-</u>		2023228954	<u>C04B 12 /-</u>	2022425306
2021479744	2022430864	2022406431		<u>B65D 90 /-</u>	2021480590	2023204743
	2022445995			2023221767	<u>C04B 20 /-</u>	<u>C07D 307 /-</u>
<u>B24C 7 /-</u>	<u>B32B 5 /-</u>	<u>B64U 60 /-</u>		<u>B65G 11 /-</u>	2021481041	2023214557
2021479744	2021478824	2022406431		2022412029	<u>C04B 24 /-</u>	<u>C07D 311 /-</u>
<u>B25B 27 /-</u>	2021479191	<u>B65B 1 /-</u>		<u>B65G 45 /-</u>	2022436753	2022403631
2023205074	2023212045	2022421944		2021480387	<u>C04B 26 /-</u>	<u>C07D 333 /-</u>
<u>B25J 9 /-</u>	<u>B32B 7 /-</u>	<u>B65B 29 /-</u>		<u>B66F 11 /-</u>	2022436753	2023204743
2023226872	2022445995	2023228954		2023212782		
2023229200						

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

<u>C07D 401 /-</u>	<u>C07K 14 /-</u>	<u>C08F 255 /-</u>	<u>C09J 201 /-</u>	<u>C12M 1 /-</u>	<u>C12P 5 /-</u>
2022425306	2022413364	2022430864	2022445995	2022438901	2022438901
2023204743	2022417635			2023204918	2023208908
2023209631	2022420130	<u>C08F 8 /-</u>	<u>C09J 7 /-</u>	2023206033	
2023211589	2022431253			2023207076	<u>C12P 7 /-</u>
2023243062	2023206335	2022409934	2022445995	2023208908	
	2023207816		2023206523		2023206923
<u>C07D 403 /-</u>	2023208020	<u>C08G 18 /-</u>		<u>C12N 1 /-</u>	2023207131
	2023211165		<u>C09K 8 /-</u>	2022425576	2023208908
2022407047	2023213148	2023208854	2022404972	2022432263	2023316503
	2023215791	<u>C08G 63 /-</u>		2023204918	<u>C12Q 1 /-</u>
<u>C07D 405 /-</u>	2023217698		<u>C10B 47 /-</u>	2023207667	
	2023217735	2023206923		2023213618	2022414203
2022424212	2023221764		2023206377	2023316503	2022416658
2023209631	2023231285	<u>C08J 5 /-</u>			2022417425
			<u>C10B 53 /-</u>	<u>C12N 15 /-</u>	2022424122
<u>C07D 413 /-</u>	<u>C07K 16 /-</u>	2022430864		2022298843	2022432849
			2023206377	2022413364	2023204881
2022407047	2022298843	<u>C08J 7 /-</u>	2023207078	2022414203	2023205461
2023216993	2022405100			2022417635	2023205708
2023243062	2022407875	2023206523	<u>C10C 3 /-</u>	2022422532	2023207959
	2022410059			2022432849	2023204775
<u>C07D 453 /-</u>	2022413364	<u>C08K 3 /-</u>	2023207078	2023205461	
	2022413905			2023205708	<u>C12R 1 /-</u>
2023206696	2022414315	2022410089	<u>C10G 1 /-</u>	2023207959	2022425576
	2022414315	2023208717		2023210010	
<u>C07D 471 /-</u>	2022416514	2023209345	2023206377	2023211688	<u>C22B 3 /-</u>
	2022434346		2023207078	2023213148	
2022414887	2023205804	<u>C08K 7 /-</u>		2023217698	2023222908
2023209620	2023206698		<u>C10M 105 /-</u>	2023217735	<u>C22B 7 /-</u>
2023215702	2023207213	2023209345		2023221764	
2023243062	2023207665		<u>C10M 129 /-</u>	2023231285	<u>C22C 1 /-</u>
	2023208020	<u>C08L 23 /-</u>		2023316503	
<u>C07D 473 /-</u>	2023208426		<u>C10M 177 /-</u>		2022436150
	2023211706	2022405657		<u>C12N 5 /-</u>	
2022406926	2023215791	2023209345	2022409608	2022298843	<u>C22C 14 /-</u>
2023205553	2023218343	<u>C08L 33 /-</u>		2022404031	
	2023238766		<u>C10M 177 /-</u>	2022413905	2022436150
<u>C07D 487 /-</u>	2023296821	2023209345	2022413169	2022417635	<u>C25B 1 /-</u>
				2023204775	
2022415426	<u>C07K 19 /-</u>	<u>C08L 67 /-</u>	<u>C10M 129 /-</u>	2023213618	2022406226
2022416279				2023216479	2022417445
2022422635	2023218343	2023214122	<u>C10N 20 /-</u>	<u>C12N 7 /-</u>	2023218352
2023206381		<u>C08L 83 /-</u>		2023217735	<u>C25B 11 /-</u>
2023209620	<u>C07K 7 /-</u>		<u>C10N 30 /-</u>		
2023212271		2023216565		<u>C12N 9 /-</u>	2022412024
2023213682	2022410066	<u>C09C 1 /-</u>	<u>C10N 40 /-</u>	2022416658	<u>C25B 13 /-</u>
2023215702	2023206335			2023205431	
2023220002	2023217698	2023208717	2022413169	2023205708	2023218352
				2023207816	<u>C25B 15 /-</u>
<u>C07D 491 /-</u>	<u>C08F 20 /-</u>	<u>C09D 133 /-</u>	<u>C10N 70 /-</u>	2023221764	
					2022417445
2022426316	2022413169	2022425455	<u>C11D 1 /-</u>	<u>C12P 19 /-</u>	2023218352
2023209631				2022416658	
	<u>C08F 212 /-</u>	2023206923	<u>C11D 17 /-</u>	2022416658	<u>C25B 9 /-</u>
<u>C07D 498 /-</u>				2022419424	
	2022409934	<u>C09D 5 /-</u>	2022419424	2024203786	<u>C12P 21 /-</u>
2023215702	2022430864	2022410089	2024203786		2023218352
			<u>C11D 3 /-</u>	2023211688	<u>C25D 11 /-</u>
<u>C07F 9 /-</u>	<u>C08F 220 /-</u>	2023206923			
			2023274148	<u>C12P 3 /-</u>	2022412024
2023220002	2022425455	<u>C09D 7 /-</u>	2024203786		
		2022410089		2023208908	
<u>C07H 15 /-</u>	<u>C08F 222 /-</u>	<u>C09J 133 /-</u>			
2022426713	2022409934	2022425455			
	2022430864				
<u>C07K 1 /-</u>	<u>C08F 230 /-</u>				
2022410059	2022430864				
2023207604					

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<u>C25D 17 /-</u>	<u>E02D 27 /-</u>	<u>E21B 21 /-</u>	<u>F03D 15 /-</u>	<u>F17D 3 /-</u>	<u>G01C 21 /-</u>
2022412024	2023207990	2022410011 2023208005	2022466534	2023208818	2022431156 2022444834
<u>C25F 3 /-</u>	<u>E02D 5 /-</u>	<u>E21B 23 /-</u>	<u>F03D 80 /-</u>	<u>F22B 1 /-</u>	<u>G01D 21 /-</u>
2022412024	2023207990	2022410011	2022466534	2023207406	2022406431
<u>C25F 7 /-</u>	<u>E02D 7 /-</u>	<u>E21B 25 /-</u>	<u>F16B 21 /-</u>	<u>F22B 35 /-</u>	<u>G01G 19 /-</u>
2022412024	2023207990	2022410011	2023205074	2023207406	2022421095
<u>C40B 30 /-</u>	<u>E02F 3 /-</u>	<u>E21B 33 /-</u>	<u>F16B 25 /-</u>	<u>F22B 37 /-</u>	<u>G01G 23 /-</u>
2022432849	2023205074 2023207990	2022429791	2023207798	2023207406	2022421095
<u>C40B 40 /-</u>	<u>E04B 1 /-</u>	<u>E21B 34 /-</u>	<u>F16B 43 /-</u>	<u>F24F 8 /-</u>	<u>G01J 5 /-</u>
2023217698	2022405012 2022424074 2022427866	2022410011	2022411916	2021481015 2022406776	2022406431
<u>C40B 50 /-</u>	<u>E04C 5 /-</u>	<u>E21B 37 /-</u>	<u>F16K 11 /-</u>	<u>F24H 1 /-</u>	<u>G01N 1 /-</u>
2022417425	2023208005	2023208005	2022430507	2023211485	2022421944 2023204918 2023209865
<u>D01D 5 /-</u>	2023205199	<u>E21B 41 /-</u>	<u>F16K 15 /-</u>	<u>F25B 43 /-</u>	<u>G01N 21 /-</u>
2022415437	2023208005	2023208005	2022431708	2023205859	2022410502 2023209120 2023213096
<u>D01F 1 /-</u>	<u>E04F 21 /-</u>	<u>E21B 44 /-</u>	<u>F16L 15 /-</u>	<u>F25B 45 /-</u>	<u>G01N 23 /-</u>
2022415437	2022405012	2023207132	2023218104	2023205859	2022417288
<u>D01F 8 /-</u>	<u>E04H 15 /-</u>	<u>E21B 47 /-</u>	<u>F16L 37 /-</u>	<u>F28D 15 /-</u>	<u>G01N 27 /-</u>
2022415437	2023208364	2023207132	2022431708	2023205859	2022410059 2023205924 2023225672
<u>D04H 1 /-</u>	<u>E05B 15 /-</u>	<u>E21B 49 /-</u>	<u>F16L 5 /-</u>	<u>F28D 20 /-</u>	<u>G01N 30 /-</u>
2021478824 2021479191 2022405012 2023212045	2022407962 2023204473 2023206922	2022421944	2023204792	2023208818	2022429920
<u>D04H 3 /-</u>	<u>E05B 47 /-</u>	<u>E21B 7 /-</u>	<u>F16L 55 /-</u>	<u>F28F 1 /-</u>	<u>G01N 33 /-</u>
2022407962	2023207132	2023205756	2022431708 2023205756	2023208818	2022298843 2022409934 2022413364 2023204745 2023213096 2023225672 2023296821
2022415437	<u>E05B 57 /-</u>	<u>E21C 35 /-</u>	<u>F16L 7 /-</u>	<u>F28F 13 /-</u>	<u>G01R 29 /-</u>
2022407962	2023206529	2023204792	2023204792	2023205859 2023208818	2023245304
2022415305	<u>E05B 65 /-</u>	<u>E21F 17 /-</u>	<u>F16L 9 /-</u>	<u>F28F 27 /-</u>	<u>G01S 1 /-</u>
2022407962	2023206529	2023218104	2023218104	2023205859	2022407504
2023216565	<u>E05D 3 /-</u>	<u>F01C 1 /-</u>	<u>F16T 1 /-</u>	<u>F41A 9 /-</u>	<u>G01S 15 /-</u>
2023208022	2023204931	2023211423	2023209591	2023225560	2022431156 2022412023
2023208022	<u>E05D 5 /-</u>	<u>F01K 13 /-</u>	<u>F17C 13 /-</u>	<u>F41H 5 /-</u>	<u>G01S 17 /-</u>
2023208022	2023204931	2022406226 2023207406	2022416184 2023206988	2023206756	2022406431 2022412023
2023208022	<u>E05D 7 /-</u>	<u>F02M 35 /-</u>	<u>F17C 5 /-</u>	<u>G01B 11 /-</u>	<u>G01S 1 /-</u>
2023208022	2023204931	2022410478	2022416184	2022412023	2022407504
2023208022	<u>E21B 10 /-</u>	<u>F03B 17 /-</u>	<u>F17C 9 /-</u>	<u>G01B 17 /-</u>	<u>G01S 15 /-</u>
2022410011 2023207990	2022410011 2023207990	2023211423	2023206988	2022412029	2022431156
2021481015	<u>E21B 17 /-</u>	<u>F03D 13 /-</u>	<u>F17D 1 /-</u>	<u>G01B 7 /-</u>	<u>G01S 17 /-</u>
2022432854	2022410011 2023207132 2023207990	2023208854	2023208818	2022412029	2022406431 2022412023

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<u>G01S 19/-</u>	<u>G06F 17/-</u>	2022410481 2022439268	<u>G09B 9/-</u>	<u>H01L 31/-</u>	<u>H02K 7/-</u>
2022406431	2023206308		2022420980	2023261996	2022466534 2023223545
<u>G01S 5/-</u>	<u>G06F 18/-</u>	<u>G06T 1/-</u>	<u>G10L 13/-</u>	<u>H01L 33/-</u>	<u>H03K 17/-</u>
2022407504 2023204473	2023225672	2022424120	2022409327	2023261996	2023204512
<u>G01S 7/-</u>	<u>G06F 21/-</u>	<u>G06T 13/-</u>	<u>G10L 15/-</u>	<u>H01M 10/-</u>	<u>H04B 1/-</u>
2022431156	2022431895 2023215261 2023372755	2022409327	2022409327 2023332285	2022410733 2022415481 2022429609 2023205480 2023222908	2023245304
<u>G01V 3/-</u>	<u>G06F 3/-</u>	2022410057 2022412069 2022424120	<u>G10L 25/-</u>		<u>H04B 15/-</u>
2023207132	2022409327 2022416660 2022417432 2023204477 2023204512	<u>G06T 15/-</u>	2023332285	<u>H01M 4/-</u>	2023358131
<u>G01V 5/-</u>		<u>G06T 17/-</u>	<u>G16B 20/-</u>	2022410733 2022415481	<u>H04B 5/-</u>
2023207132		2022410057	2023204806		2022427866
<u>G01W 1/-</u>	<u>G06F 9/-</u>	<u>G06T 19/-</u>	<u>G16B 40/-</u>	<u>H01M 50/-</u>	<u>H04B 7/-</u>
2022406431 2022430483	2022409327 2022430171	2022410057 2022412069	2023204806 2023205110	2022429609 2022442240	2022430483 2023358131
<u>G02B 21/-</u>	<u>G06K 19/-</u>	<u>G06T 5/-</u>	<u>G16H 15/-</u>	<u>H01Q 13/-</u>	<u>H04L 1/-</u>
2023209120 2023210902	2023206268	2023241637	2023212943	2023245304	2023218618
<u>G02B 27/-</u>	<u>G06K 7/-</u>	<u>G06T 7/-</u>	<u>G16H 20/-</u>	<u>H01Q 5/-</u>	<u>H04L 101/-</u>
2023210902	2023206268	2022410057 2022410481 2022412069	2023209422	2023204473	2022435101
<u>G02B 6/-</u>	<u>G06N 20/-</u>	2022417288 2023209120 2023241637 2023254943	<u>G16H 30/-</u>	<u>H01Q 7/-</u>	<u>H04L 12/-</u>
2023206380	2022407065 2022409327 2022420588 2023205110 2023206365 2023221883 2023241637	<u>G06V 10/-</u>	2023212943	2022424074 2022427866	2022435101
<u>G02F 1/-</u>		2022410481	<u>G16H 40/-</u>	<u>H01R 4/-</u>	<u>H04L 41/-</u>
2022440032 2023261996			2023207415 2023209422	2023204792	2022420588 2022421217 2023206529
<u>G03F 7/-</u>	<u>G06N 3/-</u>	<u>G06V 20/-</u>	<u>G16H 50/-</u>	<u>H01R 9/-</u>	<u>H04L 43/-</u>
2023206523 2023206524	2022409327 2023221883 2023241637	2022403869 2022407504 2022410481 2023208665 2023209120	2023206365 2023212943 2023225672	2023363703	2023206529
<u>G05B 23/-</u>	<u>G06Q 10/-</u>	<u>G07C 9/-</u>	<u>H01B 3/-</u>	<u>H02G 15/-</u>	<u>H04L 45/-</u>
2022418256 2023225672	2022407504 2022444834 2023213611 2023216489	2023208665	2022430864	2023363703	2022421217
<u>G06F 1/-</u>		<u>G07C 9/-</u>	<u>H01B 7/-</u>	<u>H02G 3/-</u>	<u>H04L 51/-</u>
2022430666 2022440032		2022407962 2023204428 2023204473	2022412024	2023363703	2022419390
<u>G06F 15/-</u>	<u>G06Q 20/-</u>	<u>G07F 13/-</u>	<u>H01F 27/-</u>	<u>H02J 50/-</u>	<u>H04L 61/-</u>
2023206308	2022431623 2023215261 2023219009	2022435286	2023214969 2023216067	2023245304	2022435101
<u>G06F 16/-</u>	<u>G06Q 30/-</u>	<u>G07F 17/-</u>	<u>H01F 41/-</u>	<u>H02K 1/-</u>	<u>H04L 67/-</u>
2022405439 2022416660 2022430666 2023206308 2023206684	2023372755	2022407065	2023214969 2023216067	2023223545	2022405439
	<u>G06Q 50/-</u>	<u>G08G 1/-</u>	<u>H01J 35/-</u>	<u>H02K 15/-</u>	<u>H04L 69/-</u>
	2022409327	2022438852 2022444834	2022408070	2023223545	2023206308
			<u>H01L 25/-</u>	<u>H02K 3/-</u>	<u>H04L 9/-</u>
			2023261996	2022466534 2023223545	2022431623 2022445701 2023206308 2023215261 2023219009

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<u>H04M 3 /-</u>	<u>H04W 8 /-</u>
2022445701	2022445701
	2023206529
<u>H04N 19 /-</u>	
2023206622	<u>H04W 88 /-</u>
	2022435901
<u>H04N 21 /-</u>	
2023205944	<u>H05B 3 /-</u>
	2023208818
<u>H04N 7 /-</u>	
2023205073	<u>H05G 1 /-</u>
	2022408070
<u>H04Q 11 /-</u>	
2023206380	<u>H10K 50 /-</u>
	2023261996
<u>H04Q 9 /-</u>	
2022406431	
2022435286	
<u>H04W 16 /-</u>	
2022421217	
2023206529	
<u>H04W 24 /-</u>	
2023206529	
2023245304	
<u>H04W 36 /-</u>	
2022420588	
<u>H04W 4 /-</u>	
2022419390	
2022421217	
2022435901	
2023204428	
2023206529	
<u>H04W 52 /-</u>	
2023204428	
<u>H04W 56 /-</u>	
2023358131	
<u>H04W 64 /-</u>	
2023216501	
<u>H04W 68 /-</u>	
2022420588	
<u>H04W 72 /-</u>	
2023217965	
2023218618	
<u>H04W 76 /-</u>	
2022419390	
2023204428	
2023216501	

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 (54) CBP/catenin signaling pathway inhibitors and uses thereof
 (51) Int. Cl.
A61K 31/4985 (2006.01)
A61P 17/00 (2006.01)
C07D 487/04 (2006.01)
 (87) WO2021/183796
 (31) 62/988,827 (32) 12.03.20 (33) US
 (43) 16.09.2021
 (44) 25.07.2024
 (72) RUAN, Fuqiang
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- AbbVie Inc. see Calico Life Sciences LLC**
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 (54) Anti-4-1BB antibody and use thereof
 (51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
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 (31) 62/773,239 (32) 30.11.18 (33) US
 (43) 04.06.2020
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- (71) ABUS August Bremicker Söhne KG
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 (21) 2020397821 (22) 15.11.2020
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G01N 33/68 (2006.01)
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 (51) Int. Cl.
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A61K 47/68 (2017.01)
A61P 7/00 (2006.01)
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B64D 11/00 (2006.01)
B64D 11/06 (2006.01)
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 (43) 03.10.2019
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B64D 11/06 (2006.01)
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E04F 13/07 (2006.01)
E04B 1/76 (2006.01)
E04C 2/30 (2006.01)
E04C 2/52 (2006.01)
E04F 13/08 (2006.01)
E04F 13/22 (2006.01)
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 (51) Int. Cl.
A61K 31/436 (2006.01)
A61K 9/00 (2006.01)
A61K 9/06 (2006.01)
A61K 47/14 (2017.01)
A61P 9/00 (2006.01)
A61P 17/00 (2006.01)
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C05D 1/00 (2006.01)
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A61K 31/551 (2006.01)
A61K 31/5517 (2006.01)
A61P 25/00 (2006.01)
A61P 25/16 (2006.01)
A61P 25/18 (2006.01)
A61P 25/28 (2006.01)
A61P 35/00 (2006.01)

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A61K 31/18 (2006.01)
A61K 31/635 (2006.01)
A61K 31/728 (2006.01)
C08L 5/08 (2006.01)
A61P 35/00 (2006.01)
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 (51) Int. Cl.
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A61K 39/395 (2006.01)
A61P 11/06 (2006.01)
A61P 17/00 (2006.01)
A61P 35/00 (2006.01)
A61P 37/02 (2006.01)
A61P 37/08 (2006.01)
C12N 15/13 (2006.01)

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B04B 3/04 (2006.01)
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F16C 33/66 (2006.01)
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A61K 31/19 (2006.01)
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G01S 13/58 (2006.01)
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A45C 13/26 (2006.01)
B65D 25/28 (2006.01)
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A01N 47/04 (2006.01)
A61K 31/4196 (2006.01)
C07C 317/14 (2006.01)
C07C 317/44 (2006.01)
C07C 321/28 (2006.01)
C07D 401/04 (2006.01)
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E04D 3/30 (2006.01)
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C01B 32/00 (2017.01)
C01B 32/182 (2017.01)
H01G 11/36 (2013.01)
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C07C 235/00 (2006.01)
C07D 213/30 (2006.01)
C07D 213/64 (2006.01)
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G06T 5/50 (2006.01)
G06T 5/80 (2024.01)
G06V 10/24 (2022.01)
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B01D 29/23 (2006.01)
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B01D 35/16 (2006.01)
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C07D 487/04 (2006.01)
A61K 31/437 (2006.01)
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C12N 1/19 (2006.01)
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 H04N 19/176 (2014.01)
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A61P 35/00 (2006.01)
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G02B 6/44 (2006.01)
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B33Y 50/00 (2015.01)
B33Y 80/00 (2015.01)
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A61P 31/04 (2006.01)
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A61P 31/14 (2006.01)
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C07D 401/04 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/506 (2006.01)
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A61P 11/00 (2006.01)
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A61P 25/00 (2006.01)
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C07D 249/06 (2006.01)
C07D 401/12 (2006.01)
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A61K 31/437 (2006.01)
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A61P 31/12 (2006.01)
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A61K 36/53 (2006.01)
A61Q 19/00 (2006.01)
A61Q 19/08 (2006.01)

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C25C 7/08 (2006.01)
C25D 1/04 (2006.01)
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C12M 1/00 (2006.01)

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C07C 311/16 (2006.01)
A61K 31/18 (2006.01)
A61K 31/4406 (2006.01)
A61P 3/00 (2006.01)
A61P 5/00 (2006.01)
A61P 9/00 (2006.01)
A61P 11/00 (2006.01)
A61P 19/08 (2006.01)
A61P 25/28 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
C07D 213/34 (2006.01)
C07D 307/82 (2006.01)

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H04L 5/00 (2006.01)
H04L 1/00 (2006.01)
H04W 72/12 (2009.01)

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G06N 10/00 (2022.01)

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G16H 10/20 (2018.01)
G06Q 50/00 (2012.01)
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C22B 3/06 (2006.01)
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B22F 1/068 (2022.01)
B22F 9/08 (2006.01)
C22C 1/03 (2006.01)
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E06B 9/24 (2006.01)
G02B 26/08 (2006.01)
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E06B 9/24 (2006.01)
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E06B 9/264 (2006.01)
H01L 31/0392 (2006.01)
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C11D 1/62 (2006.01)
C11D 1/835 (2006.01)
C11D 3/08 (2006.01)
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B07B 13/11 (2006.01)
B07B 13/04 (2006.01)
B07B 15/00 (2006.01)
B07C 5/04 (2006.01)
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B07B 13/11 (2006.01)
B07B 13/04 (2006.01)
B07C 5/04 (2006.01)
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A61K 31/05 (2006.01)
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F25D 23/02 (2006.01)
E05D 3/06 (2006.01)
F24C 15/02 (2006.01)
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A23L 33/10 (2016.01)
A23L 33/13 (2016.01)
A61K 8/35 (2006.01)
A61K 8/60 (2006.01)
A61K 36/752 (2006.01)
A61P 9/00 (2006.01)
A61P 9/10 (2006.01)
A61P 25/00 (2006.01)
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A61Q 19/02 (2006.01)

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H01M 50/242 (2021.01)
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A61F 2/46 (2006.01)
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F15B 19/00 (2006.01)
F16K 17/02 (2006.01)
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C07K 14/705 (2006.01)
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A61K 39/395 (2006.01)
C07K 14/725 (2006.01)
C07K 16/18 (2006.01)
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C07K 16/46 (2006.01)
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A61Q 17/00 (2006.01)
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A61M 1/00 (2006.01)
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A61B 17/74 (2006.01)
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H04L 9/08 (2006.01)
H04L 9/14 (2006.01)
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G01V 11/00 (2006.01)
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B66B 3/00 (2006.01)
G07C 9/27 (2020.01)
G08B 7/06 (2006.01)
G09F 19/18 (2006.01)
G09F 19/22 (2006.01)
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H04N 9/31 (2006.01)
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B66B 19/00 (2006.01)
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A61L 27/14 (2006.01)
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A61K 38/00 (2006.01)
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G06F 21/55 (2013.01)
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H04L 9/40 (2022.01)
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A01G 24/12 (2018.01)
A61K 31/352 (2006.01)
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H04N 19/117 (2014.01)
G06N 3/02 (2006.01)
G06T 3/40 (2006.01)
H04N 19/132 (2014.01)
H04N 19/172 (2014.01)
H04N 19/192 (2014.01)
H04N 19/46 (2014.01)
H04N 19/59 (2014.01)
H04N 19/82 (2014.01)
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F21V 9/08 (2018.01)
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 A24B 15/167 (2020.01)
 A24B 15/30 (2006.01)
 A24F 40/42 (2020.01)
 A61K 31/352 (2006.01)
 A61K 36/185 (2006.01)
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 A61K 31/352 (2006.01)
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A61P 11/14 (2006.01)
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 G06F 21/00 (2013.01)
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 A22C 25/16 (2006.01)

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 C22B 7/00 (2006.01)
 C22B 21/00 (2006.01)

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 C11D 3/386 (2006.01)
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 C12N 9/36 (2006.01)
 C12N 15/56 (2006.01)

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 G02C 7/02 (2006.01)

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C07F 3/06 (2006.01)
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B65G 1/04 (2006.01)
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A61B 5/00 (2006.01)
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B65D 83/00 (2006.01)
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A61F 2/16 (2006.01)
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A61B 1/00 (2006.01)
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C08G 18/08 (2006.01)

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A61F 13/42 (2006.01)
G08B 23/00 (2006.01)
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A23L 2/44 (2006.01)
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G01N 15/05 (2006.01)
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C07D 401/04 (2006.01)
A61K 31/4406 (2006.01)
A61K 31/444 (2006.01)
A61P 5/16 (2006.01)
A61P 25/28 (2006.01)
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C12N 15/82 (2006.01)
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 A61N 1/05 (2006.01)
 A61B 17/34 (2006.01)
 A61F 9/007 (2006.01)
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 B60K 6/48 (2007.10)
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 E02D 5/44 (2006.01)
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 C08G 71/04 (2006.01)
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 C12N 15/00 (2006.01)
 C12N 15/861 (2006.01)
 C12Q 1/68 (2006.01)
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 (74) Davies Collison Cave Pty Ltd

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 versity of British Columbia
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(71) Q30 Sports Science, LLC
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 (54) Methods and devices to reduce dam-
 aging effects of concussive or blast
 forces on a subject
 (51) Int. Cl.
 A61B 17/132 (2006.01)
 A61B 17/135 (2006.01)
 A61H 39/04 (2006.01)
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 Sherry Lynn; LUA, James Huang; VITI-
 TOE, Kevin John; LEHMAN, Joseph M.;
 FLOAT, Jamison Joseph
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 LTD see HAIER SMART HOME CO., LTD.
 (21) 2021394320

(71) QINGDAO HAIER REFRIGERATOR
 CO., LTD.; HAIER SMART HOME CO.,
 LTD.
 (11) AU-B-2021341853
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 (54) STORAGE DEVICE
 (51) Int. Cl.
 F25D 11/00 (2006.01)
 (87) WO2022/052837
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 (72) MIAO, Jianlin; XU, Yihao; CHENG,
 Xueli; WANG, Ming
 (74) Madderns Pty Ltd

QINGDAO HAIER REFRIGERATOR CO.,
 LTD. see SHENYANG HAIER REFRIGERAT-
 OR CO., LTD.
 (21) 2021343163

QINGDAO HAIER REFRIGERATOR CO.,
 LTD. see CHONGQING HAIER REFRIGER-
 ATION ELECTRIC APPLIANCE CO., LTD.
 (21) 2021343202

QINGDAO HAIER REFRIGERATOR CO.,
 LTD. see HEFEI HAIER REFRIGERATOR
 CO.,LTD
 (21) 2021345709

QINGDAO JIEYUAN ENVIRONMENT CO.,
 LTD. see QINGDAO UNIVERSITY OF TECH-
 NOLOGY
 (21) 2023314163

(71) QINGDAO UNIVERSITY OF TECHNO-
 LOGY; QINGDAO JIEYUAN ENVIRON-
 MENT CO., LTD.; QINGDAO XIAOJI-
 ANXI LEACHATE TREATMENT CO.,
 LTD.
 (11) AU-B-2023314163
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 (54) Manganese-loaded carbon material
 catalyst, preparation method therefor,
 and use thereof
 (51) Int. Cl.
 B01J 23/34 (2006.01)
 C02F 1/72 (2023.01)
 C02F 1/78 (2023.01)
 C02F 101/30 (2006.01)
 C02F 101/38 (2006.01)
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 (43) 01.02.2024
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 (72) WANG, Huawei; ZHANG, Chen;
 ZHANG, Huawei; WANG, Yanan;

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

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(21) 2023314163

(71) Qualcomm Incorporated
(11) AU-B-2019223000
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(54) Transmission gap configuration
(51) Int. Cl.
H04W 72/12 (2009.01)
(87) WO2019/164762
(31) 20180100067 **(32)** 20.02.18 **(33)** GR 16/276,428 14.02.19 US
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(21) 2018248651 **(22)** 28.03.2018
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(51) Int. Cl.
A61K 38/17 (2006.01)
A61K 38/18 (2006.01)
A61P 25/28 (2006.01)
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H01Q 21/06 (2006.01)
H05K 7/20 (2006.01)
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H03F 1/56 (2006.01)
H03F 3/195 (2006.01)
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H02J 3/30 (2006.01)
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G01H 1/00 (2006.01)
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C10G 1/00 (2006.01)
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H02S 99/00 (2014.01)
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B65G 47/29 (2006.01)
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A23L 33/13 (2016.01)
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A61K 31/713 (2006.01)
A61K 47/68 (2017.01)
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F03D 80/70 (2016.01)
F16C 35/07 (2006.01)
F16H 57/021 (2012.01)
F16H 57/022 (2012.01)

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C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C12N 15/13 (2006.01)
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C07D 413/14 (2006.01)
A61K 31/4245 (2006.01)
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C07J 63/00 (2006.01)
A61K 31/58 (2006.01)
A61P 1/16 (2006.01)
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 CO., LTD.; QINGDAO HAIER REFRI-
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 HOME CO., LTD.
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B29C 43/18 (2006.01)
B29C 45/14 (2006.01)
B29C 45/56 (2006.01)
B29C 70/80 (2006.01)
B29L 31/00 (2006.01)
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C12M 3/06 (2006.01)
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A01P 13/00 (2006.01)
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C02F 1/14 (2023.01)
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A01N 43/58 (2006.01)
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B01J 19/12 (2006.01)
C01B 3/26 (2006.01)
C01B 3/48 (2006.01)
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A61P 7/04 (2006.01)
G06N 7/00 (2006.01)

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A61H 39/04 (2006.01)
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A47J 37/06 (2006.01)

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B65G 41/00 (2006.01)
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B65G 15/00 (2006.01)
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G01G 11/00 (2006.01)

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H04L 9/08 (2006.01)
G06F 21/60 (2013.01)
G06N 3/08 (2006.01)

G06N 10/20 (2022.01)
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G01V 3/30 (2006.01)
E21B 47/04 (2012.01)
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G01S 17/86 (2020.01)
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C07D 277/22 (2006.01)
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B29C 70/28 (2006.01)
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 C10L 11/04 (2006.01)
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 B65B 61/00 (2006.01)
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 B63B 35/00 (2020.01)
 B63B 35/44 (2006.01)
 E02D 27/32 (2006.01)
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 F21V 5/04 (2006.01)
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B01D 33/067 (2006.01)
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B04B 9/10 (2006.01)
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H02G 3/04 (2006.01)
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G01G 19/52 (2006.01)
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 APPARATUS FOR RETURNING TO
 STATION AND LAWNMOWING RO-
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G05D 3/12 (2006.01)
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 ELECTRONIC DEVICE, AND COM-
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G05D 1/00 (2024.01)
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B64C 11/20 (2006.01)
B32B 5/26 (2006.01)
B64C 11/04 (2006.01)
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B64D 47/06 (2006.01)
B64F 1/00 (2006.01)
G05D 1/00 (2006.01)
G06Q 10/08 (2023.01)
G08G 5/00 (2006.01)
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F22B 1/28 (2006.01)
C02F 1/04 (2023.01)
C02F 1/12 (2023.01)
F22B 27/16 (2006.01)
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H01M 10/659 (2014.01)
H01M 10/613 (2014.01)
H01M 10/6552 (2014.01)
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G06F 40/12 (2020.01)
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A47D 9/02 (2006.01)
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C07K 16/28 (2006.01)
A61K 39/00 (2006.01)
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(51) Int. Cl.
A61K 9/51 (2006.01)
A61K 9/14 (2006.01)
A61K 31/506 (2006.01)
A61K 31/517 (2006.01)
A61K 47/32 (2006.01)
A61K 47/34 (2017.01)
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A61P 35/00 (2006.01)
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(54) A pharmaceutical composition comprising stable, amorphous hybrid nano-

particles of at least one protein kinase inhibitor and at least one polymeric stabilizing and matrix-forming component
(51) Int. Cl.
A61K 9/51 (2006.01)
A61K 9/14 (2006.01)
A61K 31/506 (2006.01)
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A61K 47/32 (2006.01)
A61K 47/34 (2017.01)
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C07K 14/74 (2006.01)
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C07K 16/28 (2006.01)
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G01N 21/892 (2006.01)
G01B 11/00 (2006.01)
G01B 11/02 (2006.01)
G01B 11/24 (2006.01)
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(31) 2018-093297 **(32)** 14.05.18 **(33)** JP
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C07D 249/12 (2006.01)
A61K 31/4196 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/4709 (2006.01)
A61K 31/496 (2006.01)
A61K 31/497 (2006.01)

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C07D 401/14 (2006.01)
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(54) Scalable transform processing unit for heterogeneous data
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G06F 7/00 (2006.01)
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(43) 06.09.2019
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(54) PEELABLE HEAT-SHRINKING TUBING
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A61M 25/00 (2006.01)
A61M 25/16 (2006.01)
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(44) 25.07.2024
(62) 2020201813
(72) Roof, Irina Puzdrjakova; Tomblin, Brian Robert; Eberling, Zeth; Anneaux, Bruce L.; Tourville, Douglas Lee
(74) PHILLIPS ORMONDE FITZPATRICK
-
- (71)** ZIMMER, INC.
(11) AU-B-2022212126
(21) 2022212126 **(22)** 28.01.2022
(54) ORTHOPEDIC IMPACTOR TOOL
(51) Int. Cl.
A61B 17/92 (2006.01)
(87) WO2022/165223
(31) 63/143,548 **(32)** 29.01.21 **(33)** US
(43) 04.08.2022
(44) 25.07.2024
(72) MARINKOVICH, Dragomir
(74) PHILLIPS ORMONDE FITZPATRICK
-
- (71)** ZIMMER, INC.
(11) AU-B-2022212275
(21) 2022212275 **(22)** 31.01.2022
(54) TRI-ROLL THREAD ELECTRIC SURGICAL IMPACT TOOL
(51) Int. Cl.
A61B 17/16 (2006.01)
A61B 17/92 (2006.01)
(87) WO2022/165357

Numerical Index

2016404449	Joint Stock Company "BIOCAD"	2018302797	TriNutra Ltd.
2017203950	Kirkby, A.	2018303341	Commonwealth Scientific and Industrial Research Organisation
2017213561	Somerfield, S.	2018307910	Daiichi Sankyo, Inc.; Daiichi Sankyo Company, Limited
2017250570	Takeda Pharmaceutical Company Limited	2018309612	Valmont Industries, Inc.
2017256767	Rousselot B.V.	2018309718	SCYNEXIS, Inc.
2017264959	Regeneron Pharmaceuticals, Inc.	2018311812	ExxonMobil Technology and Engineering Company; The Regents of the University of California
2017264967	The Trustees of The University of Pennsylvania	2018312822	Unova Limited
2017268469	President and Fellows of Harvard College	2018312824	Methven Limited
2017272109	Momenta Pharmaceuticals, Inc.	2018313879	MedImmune, LLC.
2017278207	Wisconsin Alumni Research Foundation	2018313982	Parasol Medical, LLC
2017279352	Eisai R&D Management Co., Ltd.	2018315064	Wallis Engineers Pty Ltd
2017281157	F-star Therapeutics Limited	2018316218	Gen-Probe Incorporated
2017281421	Abylnx N.V.	2018316511	GABAJA Limited
2017286676	Genentech, Inc.; F. Hoffmann La-Roche AG	2018318123	Nephron Pharmaceuticals Corporation
2017299858	The University of British Columbia; ProMIS Neurosciences, Inc.	2018320728	Memic Innovative Surgery Ltd.
2017302006	Biotest AG	2018324359	Caterpillar Inc.
2017302282	Acceleron Pharma Inc.	2018325477	SERCEL SAS
2017313646	Singapore Health Services Pte Ltd	2018326474	Enanta Pharmaceuticals, Inc.
2017328896	Centauri Therapeutics Limited	2018326931	The Research Foundation for Microbial Diseases of Osaka University
2017344462	Biocon Limited	2018327479	Assa Abloy Entrance Systems AB
2017357813	Boehringer Ingelheim Vetmedica GmbH	2018328827	Oak Hill Bio Limited
2017384228	Novozymes A/S	2018331306	Hologic, Inc.
2017436546	Lloyd, R.; Keyte, L.; Boral IP Holdings (Australia) PTY Limited	2018332520	Fisher & Paykel Healthcare Limited
2017441366	Electrolux Appliances Aktiebolag	2018332792	Howmedica Osteonics Corp.
2017443801	Soletanche Freyssinet	2018333861	Kal Tire
2018204278	Britax Romer Kindersicherheit GmbH	2018338348	Multiple Energy Technologies LLC
2018204855	Anthony Innovations Pty Ltd	2018343847	Pixium Vision SA
2018205059	Redwoodventures, Ltd.	2018344193	Intellijoint Surgical Inc.
2018208710	West Affum Holdings Designated Activity Company	2018345462	Rheem Australia Pty Limited
2018212986	Inari Agriculture Technology, Inc.	2018345626	Command Alkon Incorporated
2018214082	CONTAINER ROTATION SYSTEMS PTY LTD	2018346088	Fisher & Paykel Healthcare Limited
2018219895	Indapta Therapeutics, Inc.	2018346361	Gedea Biotech AB
2018220078	Elta Group Innovations Limited	2018346963	Falcon Water Technologies, LLC
2018226571	Balder Energy S.L.U	2018347000	Vilardi, N.; Vilardi, S.
2018229555	Weir Minerals Australia Ltd	2018347007	ME Innovations Pty Ltd
2018231421	Elypta AB	2018348066	Meta Materials Inc.
2018236911	Flexopack S.A.	2018351624	Knauf Insulation SPRL
2018239186	Illumina, Inc.	2018351963	WestRock Packaging Systems, LLC
2018239660	The Trustees of Columbia University in the City of New York	2018352580	Enable Injections, Inc.
2018240515	CureVac SE	2018353858	Evestra, Inc.
2018243654	Pioneer Hi-Bred International, Inc.	2018355150	PepsiCo, Inc.
2018247206	CSR Building Products Limited	2018356268	Societe des Produits Nestle S.A.
2018248070	The University of Western Australia	2018361236	Sealy Technology, LLC
2018248651	Quethera Limited	2018361802	Expro North Sea Limited
2018253410	Herbal E Antioxidant Derivatives S.R.L. ED In Forma Abbreviata H&AD S.R.L.	2018363734	iSens Pro NV
2018256649	Intellijoint Surgical Inc.	2018367472	Wilana Chemical LLC
2018266632	The Henry M. Jackson Foundation for The Advancement of Military Medicine. Inc.	2018368338	Amgen Inc.
2018268859	Translate Bio, Inc.	2018368947	SPECIALTY OPERATIONS FRANCE
2018273014	MBDA UK Limited	2018369499	Valmont Industries, Inc.
2018276088	Electrans Technologies Ltd.	2018370000	The Regents of The University of California
2018279857	The Penn State Research Foundation	2018371304	BlueScope Steel Limited
2018281438	Daicel Corporation; National University Corporation Kumamoto University	2018372528	Stormwater360 Group Limited
2018284983	Cargill, Incorporated	2018373174	Biosearch, S.A.
2018285469	Singapore Health Services Pte. Ltd.	2018373279	TRAMES BIO, INC.
2018290809	The Regents of the University of Colorado, a Body Corporate	2018374550	GW Research Limited
2018296679	Solmic Biotech GmbH	2018374866	The Coca-Cola Company
2018297348	EpicentRx, Inc.	2018376352	AFYREN
2018301174	Koninklijke Douwe Egberts B.V.	2018376657	Global Life Sciences Solutions USA LLC
2018301804	SRI International	2018376734	Saint-Gobain Isover
2018302248	Hoffman Technologies LLC	2018377024	UPL LTD
2018302481	Netafim Ltd	2018377026	UPL Ltd
		2018378078	Pandion Operations, Inc.
		2018382617	OnDosis AB
		2018384065	Enpulsion GmbH
		2018385644	RAI Strategic Holdings, Inc.

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2018386002	Danisco US Inc	2019260288	Mellon Medical B.V.
2018388573	SQZ Biotechnologies Company	2019260558	Lesaffre et Compagnie
2018388844	Sølvpilen AS	2019261299	MAKO Surgical Corp.
2018391035	Millet Innovation	2019263319	MonoSol, LLC
2018391784	Knauf Insulation Sprl; Knauf Insulation Inc.	2019264923	Equifax Inc.
2018392658	Ares Trading S.A.	2019267105	Glucox Biotech AB
2018393068	Sunboard Ltd	2019267680	Clearb Therapeutics Ltd.; Melbourne Health
2018395254	Takeda Pharmaceutical Company Limited	2019268718	Yoshino Gypsum Co., Ltd.
2018401502	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019272300	Sunshine Lake Pharma Co., Ltd.
2018415723	Rovi Guides, Inc.	2019272664	O2 Partners, LLC
2018415899	Acumen Design Associates Ltd.	2019274188	F. Holzer GmbH
2018415900	Acumen Design Associates Ltd	2019275487	Guard IT Solutions Pty Ltd
2018419356	The Royal Institution for the Advancement of Learning/McGill University	2019277010	Itron Global SARL
2018422052	Molecor Tecnología S.L.	2019277219	OncoRes Medical Pty Ltd
2019200785	Whirlpool Corporation	2019278372	Suntory Holdings Limited
2019200994	Nuovo Pignone Tecnologie Srl	2019279857	Owens Corning Intellectual Capital, LLC
2019201018	Terex GB Limited	2019281015	Forschungsverbund Berlin E.V.
2019203096	ABUS August Bremicker Söhne KG	2019282374	Coatex
2019203937	The Boeing Company	2019285559	Scentian Bio Limited
2019204207	General Electric Company	2019285827	Hunt Developments (UK) LTD.; Imperial College Innovations Limited
2019204304	Covidien LP	2019286316	Essilor International
2019204611	Welch Allyn, Inc.	2019288382	AgeneBio, Inc.
2019204762	Vorwerk & Co Interholding GmbH	2019288752	Medtronic, Inc.
2019204989	LEONARDO S.P.A.	2019289150	GENESYS CLOUD SERVICES HOLDINGS II, LLC
2019205091	Amryt Research Limited	2019289520	Koninklijke Douwe Egberts B.V.
2019205784	ChemoCentryx, Inc.; The Regents of the University of California	2019291855	PRC-DeSoto International, Inc.
2019209868	Decon7 Systems, Inc.	2019296496	Ribouleau Monosem
2019212715	Novek, E.J.	2019297149	Guardian Glass, LLC
2019215081	Deciphera Pharmaceuticals, LLC.	2019297527	Moselle Technologies, LLC
2019215110	The Trustees of the University of Pennsylvania	2019297692	Guardian Glass, LLC
2019215435	LSI Solutions, Inc.	2019299687	Guardian Glass, LLC
2019215454	LSI Solutions, Inc.	2019300504	Alcon Inc.
2019215794	Bluechiip Limited	2019301128	Dignify Therapeutics, LLC
2019215800	OZM Australia Pty Ltd	2019301580	Apex Greenhouses (Australia) Pty Ltd
2019216351	Deciphera Pharmaceuticals, LLC	2019304103	Gulf Conveyor Systems Pty Ltd
2019217471	Carrero Gomez, F.; SpandauVentures GmbH; Bogatzki, M.	2019305588	Crown Equipment Corporation
2019219294	Global Life Sciences Solutions USA LLC	2019305683	Gulf Conveyor Systems Pty Ltd
2019220347	Viking Arm AS	2019305813	Tokuyama Corporation
2019221098	BrainBox AI Inc.	2019306525	Anellotech, Inc
2019223000	Qualcomm Incorporated	2019308471	Merichem Technologies, LLC
2019223130	Toxotech AB	2019308476	Halliburton Energy Services, Inc.
2019223491	Sumitomo Chemical Company, Limited	2019314133	SUZOHAPP Canada ULC; Scan Coin AB
2019227094	Aurum Integra Inc.	2019315215	Suntory Holdings Limited
2019228387	Zetane Systems Inc.	2019318096	Waterborne Development Company Pty Limited
2019229236	Kellanova	2019320967	Norsk Hydro ASA
2019229730	Cambridge Enterprise Limited	2019321608	BioNTech US Inc.
2019232760	The Feinstein Institutes for Medical Research	2019322321	Ethicon, Inc.
2019233449	Nippon Chemiphar Co., Ltd.	2019324549	Reactec Limited
2019233734	Schreder S.A.	2019324950	Glencore Technology Pty Limited; MESCO Inc.
2019235652	ImmuneWalk Therapeutics, Inc.	2019325083	Obschestvo S Ogranichennoi Otvetstvennostiyu "Z Therapeutics"
2019236215	The Board of Regents of The University of Oklahoma	2019325836	Arthrex, Inc.
2019236603	IGT	2019329430	Caterpillar Inc.
2019236646	The Boeing Company	2019337074	Samsung Electronics Co., Ltd.
2019237101	Robert Bosch GmbH	2019337347	Ideation AS
2019240287	FLSmith A/S	2019337479	Landa Labs (2012) Ltd.
2019240666	The Boeing Company	2019346335	Massachusetts Institute of Technology
2019240810	Societe des Produits Nestle S.A.	2019349565	University of Maryland, Baltimore County
2019243703	Xyphos Biosciences Inc.	2019351299	Emerson Automation Solutions Final Control US LP
2019245447	TLC Biopharmaceuticals, Inc.; Taiwan Liposome Co., Ltd.	2019353187	Alcon Inc.
2019247708	Givaudan SA	2019359385	Amicus Therapeutics, Inc.
2019254476	REPSOL S.A.	2019362323	Idough Investment Company
2019254568	Global Life Sciences Solutions USA LLC	2019364424	Functionize, Inc.
2019255755	Tvardi Therapeutics, Inc.; Baylor College of Medicine	2019375858	PerkinElmer Health Sciences, Inc.
2019256816	Alma Mater Studiorum - Universita' Di Bologna	2019380578	Anaconda Biomed, SL
2019258116	Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft	2019384817	Board of Regents, The University of Texas System; University of Wollongong
2019258587	PPX Technology Pty Ltd	2019386549	ABL Bio Inc.
		2019407661	Philip Morris Products S.A.
		2019412405	Akeso Biopharma, Inc
		2019433019	Beijing Mabworks Biotech Co., Ltd.

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2019464010	GEA TDS GmbH; Oriental Tanks Pte Ltd	2021280231	The Government of the United States of America, as represented by the Secretary of the Navy
2019466501	Beijing Dabeinong Biotechnology Co., Ltd.	2021283348	Wisk Aero LLC
2019479291	Vector Vitale IP LLC	2021285747	Gilead Sciences, Inc.
2020209865	Fire S.A. Pty Ltd	2021291394	Komatsu Forest AB
2020220061	Dorel Australia Pty Ltd	2021296428	Advanced Architectural Products, LLC
2020233752	Joy Global Underground Mining LLC	2021296607	Gilead Sciences, Inc.
2020243195	DEUTA-WERKE GmbH	2021299050	Kyocera Corporation
2020250467	Asahi Soft Drinks Co., Ltd.; Asahi Group Holdings, Ltd.	2021300990	Huawei Technologies Co., Ltd.
2020251989	Aurora Operations, Inc.	2021302213	Shanghai Institute of Materia Medica, Chinese Academy of Sciences
2020258963	Atlas Copco (Wuxi) Compressor Co., Ltd.	2021303821	Tervizio 3D Ltd.
2020261914	WESCO Equity Corporation	2021304754	Shanghai Institute of Materia Medica, Chinese Academy of Sciences
2020264509	Poriferous, LLC	2021306830	International Business Machines Corporation
2020273135	First Data Corporation	2021307502	Chengdu Hyperway Pharmaceuticals Co., Ltd.; Shenzhen Hyperway Pharmaceuticals Co., Ltd.
2020289708	ARCEDI Biotech ApS	2021311686	TYK Medicines, Inc.
2020293160	Shandong Boan Biotechnology Co., Ltd.	2021311793	SEW-EURODRIVE GmbH & Co. KG
2020297899	Raytheon Company	2021312733	International Business Machines Corporation
2020299532	Raytheon Company	2021314142	Syzygy Plasmonics Inc.
2020300544	Astute Medical, Inc	2021318414	Cornell Pump Company LLC
2020355578	Clovers AS	2021322600	Hill's Pet Nutrition, Inc.
2020381735	Hefei Hankemab Biotechnology Co., Ltd	2021322788	Sato Holdings Kabushiki Kaisha
2020383724	Siemens Gamesa Renewable Energy A/S	2021323969	Ocado Innovation Limited
2020397821	Academia Sinica	2021324828	ExxonMobil Technology and Engineering Company
2020400248	Alfred Kärcher SE & Co. KG	2021328244	Baker Hughes Oilfield Operations LLC
2020403827	Inventio AG	2021332209	Alteryx, Inc.
2020407521	Superdielectrics Supercap Ltd	2021333767	Res Polyflow LLC
2020411873	Mitsubishi Tanabe Pharma Corporation	2021334971	LG Electronics Inc.
2020426470	Igin Smart Hygiene Ltd	2021341853	QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.
2020430102	Mitsubishi Shipbuilding Co., Ltd.	2021343163	SHENYANG HAIER REFRIGERATOR CO., LTD.; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.
2020433744	Seoul National University Hospital	2021343202	CHONGQING HAIER REFRIGERATION ELECTRIC APPLIANCE CO., LTD.; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.
2020437157	CTX, LLC	2021345499	SHINGLEBACK OFF ROAD PTY LTD
2020461921	Sekisui House, Ltd.	2021345709	HEFEI HAIER REFRIGERATOR CO.,LTD; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.
2020469182	HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.	2021347760	NICOVENTURES TRADING LIMITED; RAI STRATEGIC HOLDINGS, INC.
2020472968	NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG	2021348345	NICOVENTURES TRADING LIMITED; RAI STRATEGIC HOLDINGS, INC
2020476322	HUAWEI TECHNOLOGIES CO., LTD.	2021352848	BYD COMPANY LIMITED
2021202061	Xencor, Inc.	2021353747	JURA ELEKTROAPPARATE AG
2021202614	Chugai Seiyaku Kabushiki Kaisha	2021355743	HAI ROBOTICS CO., LTD.
2021208843	Inventio AG	2021357407	HENAN YUEXIN INTELLIGENT MACHINERY CO., LTD.
2021209079	Inguran, LLC	2021358723	KYOCERA SENCO INDUSTRIAL TOOLS, INC.
2021210161	Ocado Innovation Limited	2021361153	BAKER HUGHES OILFIELD OPERATIONS LLC
2021211883	Inventio AG	2021362234	BAKER HUGHES OILFIELD OPERATIONS LLC
2021212288	Maurer Engineering GmbH	2021363139	LITIOHM SPA
2021217512	Koch Solutions GmbH	2021364336	WING AVIATION LLC
2021219726	Insulet Corporation	2021365360	SEW-EURODRIVE GMBH & CO. KG
2021221980	Gilead Sciences, Inc.	2021365659	FUJIKURA LTD.
2021222855	Cj Cheiljedang Corporation	2021367065	SYNGENTA CROP PROTECTION AG
2021224487	Kitty Hawk Corporation	2021370459	AMSTED RAIL COMPANY, INC.
2021233102	SEW-EURODRIVE GmbH & Co. KG	2021382955	LN Robotics Inc.
2021234379	Alphatec Spine, Inc.	2021383255	ALFA LAVAL CORPORATE AB
2021235234	CMR Surgical Limited	2021385089	CIVCO MEDICAL INSTRUMENTS CO., INC.
2021236240	3+2 Pharma LLC	2021391272	Weber-Stephen Products LLC
2021239902	W. L. Gore & Associates, Inc.	2021394320	HAIER SMART HOME CO., LTD.; QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER US APPLIANCE SOLUTIONS, INC.
2021241828	Ocado Innovation Limited	2021396892	LG Electronics Inc.
2021244954	Inventio AG	2021403442	NUOVO PIGNONE TECNOLOGIE - S.R.L.
2021249399	Nuovo Pignone Technologie - S.r.l.	2021403827	ASTRAZENECA AB
2021254647	Nokia Technologies Oy	2021405997	EAGLEBURGMANN GERMANY GMBH & CO. KG
2021260415	LG Electronics Inc.		
2021261976	Children's Medical Center Corporation		
2021264926	Caterpillar Inc.		
2021265798	The Procter & Gamble Company		
2021267371	Baker Hughes Oilfield Operations LLC		
2021269062	W. L. Gore & Associates, Inc.		
2021269328	Xspray Microparticles AB		
2021269331	Xspray Microparticles AB		
2021270312	Google LLC		
2021270672	CSPC Zhongqi Pharmaceutical Technology (Shijiazhuang) Co., Ltd.		
2021276444	Inventio AG		
2021277679	Deere & Company		
2021278492	Komatsu Ltd.		

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2021406419	MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.	2022328657	INOLEX INVESTMENT CORPORATION
2021410628	NETFLIX, INC.	2022329170	VMI HOLLAND B.V.
2021451130	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2022359248	MOTOROLA SOLUTIONS, INC.
2021480072	HEALTH AND HAPPINESS (H&H) HONG KONG LIMITED	2022374463	COOPERVISION INTERNATIONAL LIMITED
2022200323	ALS Therapy Development Institute	2022388903	GRAY CONSULTING, INC.
2022200946	Calico Life Sciences LLC; AbbVie Inc.	2022388904	GREEN LI-ION PTE. LTD.
2022201588	Syngenta Participations AG	2022408269	DAIKIN INDUSTRIES, LTD.
2022201641	Selecta Biosciences, Inc.	2022421842	RAYTHEON COMPANY
2022201685	Monsanto Technology LLC; Beeologics, Inc.	2022449894	DROPBOX, INC.
2022202297	Brian Investments Pty Ltd	2023200232	The Reliable Automatic Sprinkler Co. Inc.
2022202591	Deere & Company	2023200236	OnPoint Vision, Inc.
2022202595	Australian Engineered Solutions Pty Ltd	2023200266	Applied Medical Resources Corporation
2022202889	AiVita Biomedical, Inc.	2023200281	The Nielsen Company (US), LLC
2022202951	Wing Aviation LLC	2023200469	Nichia Corporation
2022203054	Otonexus Medical Technologies, Inc.	2023200574	Outotec (Finland) Oy
2022203167	Ipsen Biopharm Ltd.	2023200637	Getac Technology Corporation
2022203206	Shanghai Linghuo Trading Co., Ltd.	2023200646	Applied Medical Resources Corporation
2022203468	Q30 Sports Science, LLC	2023200684	Karl Leibinger Medizintechnik GmbH & Co. KG
2022203868	Intellijoint Surgical Inc.	2023200717	kaleo, Inc.
2022203990	Beijing FlowCloud Data Technology Co., Ltd.	2023200922	Asahi Kasei Kabushiki Kaisha
2022204383	Zeus Company LLC	2023200978	Arena Pharmaceuticals, Inc.
2022204808	FMC CORPORATION	2023201119	Apple Inc.
2022204830	Bushnell, Inc	2023201351	Getac Technology Corporation
2022205660	ARCULUS HOLDINGS, LLC	2023201456	Winstar Development Group; The Bizser Co., Ltd.;
2022206770	Snap-on Incorporated	2023201490	Miyazato, Y.
2022206803	Polaris Industries Inc.	2023201609	Willand (Beijing) Technology Co., LTD.
2022206805	Mallinckrodt Pharmaceuticals Ireland Limited	2023201792	W. L. Gore & Associates, Inc.
2022207654	LIEBHERR-ELECTRONICS AND DRIVES GMBH	2023201915	Taylor Commercial Foodservice, LLC
2022209249	Gramboo Inc.	2023202220	TriLink BioTechnologies, LLC
2022211813	Terra Quantum AG	2023202429	Global Payment Technologies Australia
2022212126	ZIMMER, INC.	2023202678	Canva Pty Ltd
2022212275	ZIMMER, INC.	2023202678	LG Electronics Inc.
2022217314	APR Co., Ltd.	2023203128	Electronics and Telecommunications Research Institute;
2022226579	BAKER HUGHES OILFIELD OPERATIONS LLC	2023203180	University-Industry Cooperation Group of Kyung Hee
2022227599	ZIMMER, INC.	2023203229	University
2022231698	Kellogg Brown & Root LLC	2023203249	BioNTech SE
2022231715	KLIEBER, J.	2023203281	Google LLC
2022231776	CSA Medical, Inc.	2023203814	Nthalmic Holding Pty Ltd
2022232574	SAMSUNG C#T CORPORATION	2023203871	Willand (Beijing) Technology Co., LTD.
2022232792	MITSUBISHI HEAVY INDUSTRIES, LTD.; THE UNIVERSITY OF TOKYO	2023203883	Dolby Laboratories Licensing Corporation
2022241617	Tao Mining Co., Ltd.	2023204172	AFT Pharmaceuticals Ltd
2022246444	Wix.com Ltd.	2023204208	Integra LifeSciences Enterprises, LLLP
2022246456	Vektor Medical, Inc.	2023204421	Medela Holding AG
2022249400	ASTEC, INC.	2023211002	Canva Pty Ltd
2022252122	NORTHROP GRUMMAN SYSTEMS CORPORATION	2023216776	Bidoli, J.
2022252745	Colgate-Palmolive Company	2023219814	SIEMENS ENERGY GLOBAL GMBH & CO. KG
2022256092	Emerging Compounds Treatment Technologies, Inc.	2023229569	B.BOX FOR KIDS DEVELOPMENTS PTY LTD
2022256172	The University of North Carolina at Chapel Hill	2023233101	B.BOX FOR KIDS DEVELOPMENTS PTY LTD
2022256204	Labelmakers Flexibles and Linerless Pty Ltd	2023241384	Canva Pty Ltd
2022259760	Stryker Corporation	2023248048	NAVICO HOLDING AS
2022263463	Bayer Aktiengesellschaft	2023251504	LivePerson, Inc.
2022263568	The Children's Hospital of Philadelphia	2023308725	Deciphera Pharmaceuticals, LLC
2022268353	Dorel Australia Pty Ltd	2023314142	TRINA SOLAR CO., LTD.
2022275463	Wonderland Switzerland AG	2023314163	CHINA UNIVERSITY OF PETROLEUM(EAST CHINA)
2022276276	FUJIKURA LTD.	2024200328	SENSORC PTY LTD
2022279542	Encore Medical, L.P. (d/b/a DJO Surgical)	2024200332	QINGDAO UNIVERSITY OF TECHNOLOGY; QINGDAO
2022283628	Biocompatibles UK Limited	2024200720	DAO JIEYUAN ENVIRONMENT CO., LTD.; QINGDAO
2022283638	Reata Pharmaceuticals, Inc.	2024201213	XIAOJIANXI LEACHATE TREATMENT CO., LTD.
2022283672	Evolva SA	2024201542	Dolby International AB
2022283701	Hanwha Corporation	2024201653	TERRASEE TECH, LLC
2022287604	TRIPP, Inc.	2024202431	SICONA BATTERY TECHNOLOGIES PTY LTD
2022287624	Flurry Powders, LLC		Alluvion Process Developments Pty Limited
2022288984	Yuhan Corporation		Deco IP Pty Ltd
2022291486	Azafaros B.V.		Drawbridge Health, Inc.
2022291648	Google LLC		Suqian Reliance Import and Export Co. Ltd
2022291777	CONTI INNOVATION CENTER, LLC		
2022291922	AIHOL CORPORATION		
2022298568	VMI HOLLAND B.V.		
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2018368947	<u>A01N 33 /-</u>	2018284983	2018361236	2019325836	2018313982
<u>A01C 7 /-</u>	2018326474	<u>A23L 2 /-</u>	<u>A47C 3 /-</u>	2019353187	2019205091
2019296496	<u>A01N 39 /-</u>	2018355150	2018393068	2019380578	<u>A61F 2 /-</u>
2022202591	2018377026	2018374866	<u>A47D 9 /-</u>	2020264509	2018332792
<u>A01D 34 /-</u>	<u>A01N 41 /-</u>	2019256816	2022275463	2021382955	2019217471
2019362323	2018326474	2019315215	<u>A47G 19 /-</u>	2021385089	2019300504
2023203801	<u>A01N 43 /-</u>	2020250467	2023219814	2022203468	2020264509
<u>A01D 67 /-</u>	2018377024	2022283672	<u>A47G 29 /-</u>	2022212126	2021234379
2019362323	2018377026	2018374866	2021241828	2022212275	2021299050
<u>A01G 24 /-</u>	2019223491	2021265798	<u>A47J 31 /-</u>	202227599	2022279542
2018338348	2021367065	2022283672	2018301174	2023200266	2023200236
<u>A01G 25 /-</u>	<u>A01N 47 /-</u>	<u>A23L 3 /-</u>	2021353747	2023200646	2023200684
2018302481	2022263463	<u>A23L 33 /-</u>	<u>A47J 37 /-</u>	2023203883	<u>A61B 18 /-</u>
<u>A01G 31 /-</u>	<u>A01N 53 /-</u>	2020433744	2018347000	2019353187	<u>A61F 5 /-</u>
2018338348	2022204808	2021480072	2021391272	2021235234	2018316511
2021323969	<u>A01N 63 /-</u>	2023201915	2023201792	2022231776	2018391035
<u>A01G 7 /-</u>	2022201685	<u>A23L 5 /-</u>	<u>A47J 41 /-</u>	2022283628	<u>A61F 7 /-</u>
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<u>A01G 9 /-</u>	2018377024	<u>A23L 7 /-</u>	<u>A47J 43 /-</u>	2019204611	<u>A61F 9 /-</u>
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2021323969	2019223491	<u>A23P 20 /-</u>	2019240810	2018344193	2019353187
<u>A01H 1 /-</u>	<u>A01P 3 /-</u>	2019229236	<u>A47J 44 /-</u>	2021382955	2023200236
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2019466501	<u>A01P 7 /-</u>	2021347760	<u>A47L 11 /-</u>	2022203868	2022263568
2022201588	2022201685	2021348345	2021260415	<u>A61B 42 /-</u>	<u>A61G 11 /-</u>
<u>A01H 5 /-</u>	2022204808	<u>A24F 40 /-</u>	<u>A47L 15 /-</u>	2020426470	2022263568
2022201588	<u>A22C 25 /-</u>	2021347760	2017441366	<u>A61B 46 /-</u>	<u>A61H 23 /-</u>
<u>A01J 9 /-</u>	2020472968	2021348345	<u>A47L 9 /-</u>	2022259760	2022217314
2019464010	<u>A23F 3 /-</u>	<u>A24F 47 /-</u>	2021334971	<u>A61B 5 /-</u>	<u>A61H 39 /-</u>
<u>A01K 47 /-</u>	2019315215	2018385644	<u>A61B 1 /-</u>	2018313982	2022203468
2022201685	<u>A23F 5 /-</u>	<u>A45C 11 /-</u>	2018320728	2018331306	2022241617
<u>A01K 61 /-</u>	2019289520	2023216776	2022203054	2018332792	<u>A61J 1 /-</u>
2018388844	<u>A23G 3 /-</u>	<u>A45C 13 /-</u>	<u>A61B 10 /-</u>	2018346088	2018352580
<u>A01K 63 /-</u>	2019229236	2023216776	2019285827	2019277219	<u>A61J 7 /-</u>
2018388844	<u>A23G 4 /-</u>	<u>A46B 11 /-</u>	<u>A61B 17 /-</u>	2019288752	2022329170
<u>A01N 1 /-</u>	2019229236	2022252745	2018320728	2019301128	<u>A61K 31 /-</u>
2022263568	2021265798	<u>A47C 1 /-</u>	2018343847	2022203054	2018284983
<u>A01N 25 /-</u>	<u>A23J 1 /-</u>	2018393068	2019204304	2024201653	2018290809
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					2018353858

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2019205784	2017278207	2017268469	A61M 25 /-		2021269328
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2019255755	2018328827	2022256172		2018328827	2022200946
2019267105	2018373279	2023203180	2018313879	2018374550	2022291922
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2019479291	2020411873	A61K 51 /-	2023200717	2021480072	2016404449
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2021347760	2018392658	2018297348		2021285747	A61P 43 /-
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A61K 33 /-	2023248048	A61L 15 /-	A61P 13 /-	2018307910	2018253410
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2019479291	2017279352			2021296607	2020433744
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2019321608	2018301804	2023203883	2019205091	A61P 35 /-	
	2018370000	2023204172	2019325083		
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2018338348	2021269331	A61M 15 /-	A61P 19 /-	2019267105	
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<u>A61Q 19 /-</u>	2018311812	2019304103	2018422052	2018316511	2022232574
2019247708	2021324828	2019305683	<u>B29C 64 /-</u>	<u>B33Y 80 /-</u>	<u>B62D 17 /-</u>
2021480072	<u>B01J 23 /-</u>	<u>B21D 31 /-</u>	2018316511	2018316511	2022203206
<u>A61Q 5 /-</u>	2022232792	2018347000	<u>B29C 65 /-</u>	<u>B41F 17 /-</u>	<u>B62D 53 /-</u>
2019247708	2023314163	<u>B22F 1 /-</u>	2023200922	2019337479	2018276088
<u>A62C 3 /-</u>	<u>B01J 27 /-</u>	2019297527	<u>B29C 70 /-</u>	<u>B60B 3 /-</u>	<u>B62D 55 /-</u>
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<u>A62C 35 /-</u>	<u>B01J 3 /-</u>	<u>B22F 9 /-</u>	2019203937	<u>B60B 35 /-</u>	<u>B62D 59 /-</u>
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<u>A62C 37 /-</u>	<u>B03D 1 /-</u>	2022324666	<u>B29D 11 /-</u>	2022203206	2019237101
2023200232	2019240287	<u>B23B 29 /-</u>	2019286316	<u>B60D 1 /-</u>	<u>B62H 3 /-</u>
<u>B01D 15 /-</u>	2023200574	2021403442	<u>B29K 23 /-</u>	2018276088	2021345499
2018395254	<u>B03D 103 /-</u>	<u>B23Q 9 /-</u>	2020264509	<u>B60K 1 /-</u>	<u>B62H 5 /-</u>
<u>B01D 21 /-</u>	2023200574	2017213561	<u>B29L 31 /-</u>	2018276088	2019203096
2018372528	<u>B03D 3 /-</u>	<u>B25B 27 /-</u>	2018356268	2019329430	<u>B62K 21 /-</u>
2019282374	2019282374	2021235234	<u>B31B 100 /-</u>	2019329430	2022231715
<u>B01D 29 /-</u>	<u>B04B 11 /-</u>	<u>B25C 1 /-</u>	2018351963	<u>B60K 6 /-</u>	<u>B63B 1 /-</u>
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<u>B01D 33 /-</u>	2018229555	2017213561	<u>B31B 120 /-</u>	<u>B60K 7 /-</u>	<u>B63B 25 /-</u>
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<u>B01D 36 /-</u>	2018312824	2022298568	<u>B32B 19 /-</u>	2018276088	2019318096
2021264926	2019240287	<u>B27M 3 /-</u>	2018351624	<u>B60L 7 /-</u>	<u>B64C 11 /-</u>
<u>B01D 37 /-</u>	<u>B05B 15 /-</u>	2022202595	<u>B32B 27 /-</u>	2018276088	2022202951
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<u>B01D 46 /-</u>	2020400248	2018345626	<u>B32B 37 /-</u>	2020220061	2021224487
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<u>B01D 61 /-</u>	2018369499	<u>B29C 45 /-</u>	2018371304	<u>B60R 9 /-</u>	<u>B64D 27 /-</u>
2020437157	<u>B07B 13 /-</u>	2018356268	2023200922	2021345499	2021224487
<u>B01J 15 /-</u>	2019304103	<u>B29C 45 /-</u>	<u>B32B 9 /-</u>	<u>B61F 5 /-</u>	<u>B64D 31 /-</u>
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B65B 57 /-	B65D 88 /-	B66C 1 /-		C04B 111 /-	2022200946	C07D 403 /-
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B65D 25 /-	2021217512	2019384817		C05D 1 /-	2019267105	2021311686
2023216776	B65G 37 /-	B82Y 40 /-		2022200946	2022200946	2022263463
B65D 43 /-	2021222855	2019384817		C05F 5 /-	C07D 231 /-	C07D 417 /-
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B65D 47 /-	2019201018	2018388573		C05G 1 /-	C07D 237 /-	2019258116
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B65D 65 /-	B65G 53 /-	2018281438		C06B 47 /-	C07D 271 /-	2021403827
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(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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 (21) 2024100012 (22) 29.02.2024
 (54) Composite slab comprising recycled glass
 (51) Int. Cl.
 E04F 13/14 (2006.01)
 B29C 67/24 (2006.01)
 C08K 3/40 (2006.01)
 C08L 67/02 (2006.01)
 E04F 13/18 (2006.01)
 B29K 509/08 (2006.01)
 B29L 31/10 (2006.01)
 B29L 31/44 (2006.01)
 (45) 25.07.2024
 (62) 2020217435
 (72) Thompson, Roshni; Thompson, Robert
 (74) FB Rice Pty Ltd

(71) Chevron U.S.A. Inc.
 (11) AU-B-2020104491
 (21) 2020104491 (22) 08.07.2020
 (54) System and method for building reservoir property models
 (51) Int. Cl.
 G01V 1/28 (2006.01)
 G01V 1/30 (2006.01)
 (31) 16/522,445 (32) 25.07.19 (33) US
 (45) 25.07.2024
 (72) THORNE, Julian A.
 (74) FPA Patent Attorneys Pty Ltd

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2020472724	2021200836	2021203111	2021203997
2021206895	2021207486	2021207943	2021212882
2021214397	2021216474	2021221282	2021221488
2021223383	2021223579	2021230179	2021231439
2021232574	2021234947	2021236363	2021236493
2021238531	2021240194	2021240803	2021245822
2021248280	2021248301	2021251253	2021253210
2021258060	2021259848	2021260949	2021260982

Patents Granted

Standard Patents

2021261834	2021264045	2021265578	2021267101
2021269429	2021275662	2021281699	2021282423
2021282536	2021284950	2021286043	2021289913
2021293941	2021301263	2021310228	2021319322
2021321050	2021322835	2021326209	2021327616
2021327729	2021333711	2021334402	2021335797
2021336246	2021342739	2021349774	2021368390
2021368439	2021369232	2021371520	2021374990
2021379607	2021381549	2021385955	2021387768
2021426185	2021426616	2021434202	2021437024
2021449517	2021464668	2022200180	2022200359
2022200787	2022201059	2022201064	2022201135
2022201154	2022201202	2022201232	2022201272
2022201364	2022201390	2022201600	2022201726
2022201731	2022202828	2022202862	2022202940
2022202993	2022203001	2022203048	2022203243
2022203527	2022203554	2022203720	2022204328
2022204384	2022204781	2022204848	2022204906
2022206171	2022206515	2022209353	2022214125
2022218541	2022218570	2022221493	2022221525
2022221527	2022224694	2022228415	2022230997
2022234935	2022235580	2022238127	2022241541
2022241630	2022256099	2022256116	2022257583
2022264594	2022267947	2022268283	2022268339
2022268375	2022271474	2022275417	2022281095
2022283627	2022287594	2022291416	2022291454
2022301619	2022312171	2022331904	2022337209
2022378146	2022417277	2023200073	2023200460
2023200890	2023201183	2023201259	2023201327
2023201723	2023201920	2023202207	2023202742
2023203001	2023203461	2023204314	2023219868
2023222878	2023270243	2023274125	2023274150
2024200330	2024201376		

Innovation Patents

2017101947	2021107697
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Assignments Registered

2005317276	Biomaterial Development Goteborg AB; Rickard Brane-mark Consulting AB	The patent has been assigned to Integrum AB
2006246034	ThyssenKrupp Industrial Solutions AG	The patent has been assigned to thyssenkrupp Uhde GmbH
2006286340	IRRAS AB	The patent has been assigned to IRRAS USA, Inc.
2008258890	ThyssenKrupp Industrial Solutions AG	The patent has been assigned to thyssenkrupp Uhde GmbH
2008286480	ThyssenKrupp Industrial Solutions AG	The patent has been assigned to thyssenkrupp Uhde GmbH
2008316289	CPC Patent Technologies Pty Ltd	The patent has been assigned to CPC Patents Payment Platforms Pty Ltd
2009206075	Aerie Pharmaceuticals, Inc.	The patent has been assigned to Alcon Inc.
2009246876	Taiga Biotechnologies, Inc.	The patent has been assigned to HTYR ACQUISITION LLC
2009254316	ThyssenKrupp Industrial Solutions AG	The patent has been assigned to thyssenkrupp Uhde GmbH
2009273932	Aerie Pharmaceuticals, Inc.	The patent has been assigned to Alcon Inc.

Assignments Registered

2009274172 Taiga Biotechnologies, Inc. The patent has been assigned to **HTYR ACQUISITION LLC**

2009281836 NanoString Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**

2009285547 Taiga Biotechnologies, Inc. The patent has been assigned to **Taiga Biotechnologies (ABC), LLC**

2009321790 ThyssenKrupp Industrial Solutions AG The patent has been assigned to **thyssenkrupp Uhde GmbH**

2009328791 Merete Medical GmbH The patent has been assigned to **Merete GmbH**

2010241996 Aerie Pharmaceuticals, Inc. The patent has been assigned to **Alcon Inc.**

2010306862 NanoString Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**

2011215753 NanoString Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**

2011311348 Electricite de France The patent has been assigned to **Seclab FR**

2011350978 Electricite De France The patent has been assigned to **Seclab FR**

2012216462 Taiga Biotechnologies, Inc. The patent has been assigned to **Taiga Biotechnologies (ABC), LLC**

2012219988 ThyssenKrupp Industrial Solutions AG The patent has been assigned to **thyssenkrupp Uhde GmbH**

2012294452 Evolva SA The patent has been assigned to **Danstar Ferment AG**

2013292330 Taiga Biotechnologies, Inc. The patent has been assigned to **HTYR ACQUISITION LLC**

2013301764 IRRAS AB The patent has been assigned to **IRRAS USA, Inc.**

2014213918 Evolva SA The patent has been assigned to **Danstar Ferment AG**

2014214004 Evolva SA The patent has been assigned to **Danstar Ferment AG**

2014228790 Aerie Pharmaceuticals, Inc. The patent has been assigned to **Alcon Inc.**

2014232303 NAUTILUS, INC. The patent has been assigned to **Johnson Health Tech Retail, Inc.**

2014240323 CPC Patent Technologies Pty Ltd The patent has been assigned to **CPC Patents Payment Platforms Pty Ltd**

2014249200 Taiga Biotechnologies, Inc. The patent has been assigned to **HTYR ACQUISITION LLC**

2014249202 Taiga Biotechnologies, Inc. The patent has been assigned to **HTYR ACQUISITION LLC**

2014356264 ENGIE The patent has been assigned to **GAZTRANS-PORT ET TECHNIGAZ**

2014396794 Nautilus, Inc. The patent has been assigned to **Johnson Health Tech Retail, Inc.**

Assignments Registered

2014397779 Nautilus, Inc. The patent has been assigned to **Johnson Health Tech Retail, Inc.**

2015201993 NanoString Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**

2015261558 NanoString Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**

2015339815 Jacobs Engineering Group Inc. The patent has been assigned to **JESA, SA**

2015349870 Nanostring Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**

2015353747 Nanostring Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**

2015374401 Nautilus, Inc. The patent has been assigned to **Johnson Health Tech Retail, Inc.**

2015414743 Aerie Pharmaceuticals, Inc. The patent has been assigned to **Alcon Inc.**

2016200829 May, Gregory The patent has been assigned to **HITEC Intervention 99 Inc.**

2016201754 Aerie Pharmaceuticals, Inc. The patent has been assigned to **Alcon Inc.**

2016203892 Taiga Biotechnologies, Inc. The patent has been assigned to **HTYR ACQUISITION LLC**

2016211124 Evolva SA The patent has been assigned to **Danstar Ferment AG**

2016295158 Nanostring Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**

2017248440 Aerie Pharmaceuticals, Inc. The patent has been assigned to **ALCON INC.**

2017250505 TONIX PHARMACEUTICALS HOLDING CORP. The patent has been assigned to **TONIX PHARMA LIMITED.**

2017251462 Evolva SA The patent has been assigned to **Danstar Ferment AG**

2017258936 Nemaska Lithium Inc. The patent has been assigned to **NEMASKA LITHIUM INC.; EURODIA INDUSTRIE**

2017312712 Aerie Pharmaceuticals, Inc. The patent has been assigned to **Alcon Inc.**

2017321980 Aerie Pharmaceuticals, Inc. The patent has been assigned to **Alcon Inc.**

2017324550 Flagship Pioneering, Inc. The patent has been assigned to **Flagship Pioneering Innovations V, Inc.**

2017387801 Aerie Pharmaceuticals, Inc. The patent has been assigned to **ALCON INC.**

2018202965 Aerie Pharmaceuticals, Inc. The patent has been assigned to **ALCON INC.**

2018202990 Aerie Pharmaceuticals, Inc. The patent has been assigned to **ALCON INC.**

2018220068 Evolva SA The patent has been assigned to **Danstar Ferment AG**

Assignments Registered

- 2018235381 IRRAS AB The patent has been assigned to **IRRAS USA, Inc.**
- 2018243687 Aerie Pharmaceuticals, Inc. The patent has been assigned to **ALCON INC.**
- 2018247295 Taiga Biotechnologies, Inc. The patent has been assigned to **HTYR ACQUISITION LLC**
- 2018295277 Nautilus, Inc. The patent has been assigned to **Johnson Health Tech Retail, Inc.**
- 2019210218 Nemaska Lithium Inc. The patent has been assigned to **NEMASKA LITHIUM INC.; EURODIA INDUSTRIE**
- 2019210632 Aerie Pharmaceuticals, Inc The patent has been assigned to **ALCON INC.**
- 2019240562 Aerie Pharmaceuticals, Inc The patent has been assigned to **ALCON INC.**
- 2019245390 Aerie Pharmaceuticals, Inc. The patent has been assigned to **ALCON INC.**
- 2019275665 NanoString Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**
- 2020200157 Evolva SA The patent has been assigned to **Danstar Ferment AG**
- 2020200887 Evolva SA The patent has been assigned to **Danstar Ferment AG**
- 2020216470 Aerie Pharmaceuticals, Inc. The patent has been assigned to **ALCON INC.**
- 2020220146 Aerie Pharmaceuticals, Inc The patent has been assigned to **ALCON INC.**
- 2020232314 Aerie Pharmaceuticals, Inc. The patent has been assigned to **ALCON INC.**
- 2020273296 Evolva SA The patent has been assigned to **Danstar Ferment AG**
- 2020325127 Nippon Light Metal Company, Ltd.; National Institute of Advanced Industrial Science and Technology The patent has been assigned to **Nippon Light Metal Company, Ltd.**
- 2020327321 Nippon Light Metal Company, Ltd.; National Institute of Advanced Industrial Science and Technology The patent has been assigned to **Nippon Light Metal Company, Ltd.**
- 2021203139 NanoString Technologies, Inc. The patent has been assigned to **Bruker Spatial Biology, Inc.**
- 2021215163 NAUTILUS, INC. The patent has been assigned to **Johnson Health Tech Retail, Inc.**
- 2022201709 Aerie Pharmaceuticals, Inc. The patent has been assigned to **ALCON INC.**
- 2022203048 Evolva SA The patent has been assigned to **Danstar Ferment AG**

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.

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Filed

- 2014243756 **The United States of America, as Represented by the Secretary, Department of Health and Human Services**
- The earliest first regulatory approval date provided by the patentee 14 Jan 2024
- For the goods AREXVY Recombinant Respiratory Syncytial Virus pre-fusion F protein vaccine
- 2021202394 **Janssen Biotech, Inc.**
- The earliest first regulatory approval date provided by the patentee 01 Dec 2022
- For the goods RYBREVANT amivantamab
- 2021203840 **Emory University**
- The earliest first regulatory approval date provided by the patentee 20 Jan 2022
- For the goods LAGEVRIO molnupiravir

Extensions granted

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

- 2007265460 **Akebia Therapeutics Inc.**
- The earliest first regulatory approval date provided by the patentee 04 Oct 2023
- For the goods VAFSEO vadadustat
- Extension of Term of patent pursuant to Section 77 expires on 26 Jun 2032

Specifications Republished

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

- 2018350898 **Regeneron Pharmaceuticals, Inc.**
- 2019278786 **The Secretary of State for Defence**
- 2020471935 **GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.**
- 2020481427 **QUBS AG**
- 2020481482 **CHINA RAILWAY BAOJI BRIDGE GROUP CO., LTD.**
- 2020484057 **ESSITY HYGIENE AND HEALTH AKTIEBOLAG**
- 2021324126 **PERORA GMBH**
- 2021333027 **BOREALIS AG**
- 2021335183 **ANI TECHNOLOGIES PRIVATE LIMITED**
- 2021338278 **BROWN UNIVERSITY; RHODE ISLAND HOSPITAL**
- 2021339071 **GALDERMA HOLDING SA**
- 2021339671 **MAPMYID, INC.**
- 2021339814 **PINNACLE BIOLOGICS, INC.**
- 2021341998 **HISCO PHARMACEUTICALS PTE. LTD.**
- 2021347266 **HOWARD HUGHES MEDICAL INSTITUTE**
- 2021347610 **SCARABEE SYSTEMS & TECHNOLOGY B.V.**
- 2021349250 **ALPHATEC SPINE, INC.**
- 2021350535 **FISHER & PAYKEL HEALTHCARE LIMITED**
- 2021351573 **HUAWEI TECHNOLOGIES CO., LTD.**
- 2021351697 **OPUS MEDICAL THERAPIES, LLC**
- 2021351733 **GEOQUEST SYSTEMS B.V.**
- 2021352980 **PLUIE, INC.**
- 2021353224 **NEW-TEC INTEGRATION (XIAMEN) CO., LTD.**
- 2021353931 **TRANSOCEAN OFFSHORE DEEPWATER DRILLING INC.**
- 2021353979 **OCADO INNOVATION LIMITED**
- 2021354021 **G LIFE**
- 2021355246 **DNP FINE CHEMICALS CO., LTD.**

Specifications Republished

2021355481 GENZYME CORPORATION
 2021356154 NANO TEXTILE SOLUTIONS AB
 2021357265 LG ELECTRONICS INC.
 2021357581 PORCHER INDUSTRIES
 2021358123 EnLiven Inc.
 2021358618 L.G.P. TECHNOLOGY HOLDINGS LLC
 2021358846 SHORELOC DESIGN GROUP, INC.
 2021358936 ALAKAI TECHNOLOGIES CORPORATION
 2021359165 NUTRI'EARTH
 2021359457 Baili-Bio (Chengdu) Pharmaceutical Co., Ltd.
 2021359825 CORNELL UNIVERSITY
 2021360492 JOY GLOBAL SURFACE MINING INC
 2021361343 IPANEMA INDUSTRIA DE PRODUTOS VETERINARI-
 OS LTDA
 2021362692 BRIGHTSEED, INC.; SANFORD-BURNHAM MEDIC-
 AL RESEARCH INSTITUTE
 2021364661 VITRO FLAT GLASS LLC
 2021366235 SYNGENTA CROP PROTECTION AG
 2021366642 BOSTIK, INC.
 2021367651 TTI CO., LTD.
 2021368607 MASCULL, R.T.; MASCULL, E.J.
 2021369684 HENKEL AG & CO. KGAA
 2021370998 NOVOZYMES A/S
 2021371531 MAX CO., LTD.
 2021372517 ASTURA MEDICAL INC.
 2021372716 UNIVERSIDAD PABLO DE OLAVIDE
 2021372786 HUAWEI TECHNOLOGIES CO., LTD.
 2021373992 MYOCENE
 2021378786 EDWARDS LIFESCIENCES CORPORATION
 2021378793 GENENTECH, INC.
 2021379930 NITE IZE, INC.
 2021381009 EXSCIENTIA AI LIMITED
 2021381496 LYELL IMMUNOPHARMA, INC.
 2021384233 VARADACHARI, C.
 2021385423 SMITH, G.
 2021385689 INNER MONGOLIA YILI INDUSTRIAL GROUP CO.,
 LTD.; INNER MONGOLIA DAIRY TECH RES INSTI-
 TUTE CO LTD
 2021387663 SEATTLE FOOD TECH, INC.
 2021388521 MICROWAVE CHEMICAL CO., LTD.
 2021393081 DOGTOOTH TECHNOLOGIES LIMITED
 2021396589 APPY RISK TECHNOLOGIES LIMITED
 2021399142 FOSECO INTERNATIONAL LIMITED
 2021399230 BRAINCONNECT PTY LTD
 2021399662 IFP ENERGIES NOUVELLES
 2021400027 TAN, S.; YU, H.; YU, M.
 2021400733 MEMORIAL SLOAN KETTERING CANCER CENTER;
 TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY
 INSTITUTE, INC.
 2021401726 FRS GROUP, LLC
 2021401749 THE REGENTS OF THE UNIVERSITY OF COLOR-
 ADO, A BODY CORPORATE
 2021401998 CHILDREN'S MEDICAL RESEARCH INSTITUTE
 2021402085 FOSECO INTERNATIONAL LIMITED
 2021403382 TOKAMAK ENERGY LTD
 2021403629 SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
 2021404412 HGWIT PTY LTD
 2021404942 Koch Solutions GmbH
 2021408275 IFP ENERGIES NOUVELLES
 2021408621 XINJIANG GOLDWIND SCIENCE & TECHNOLOGY
 CO., LTD.
 2021410013 MASSACHUSETTS EYE AND EAR INFIRMARY
 2021410067 BAKER HUGHES OILFIELD OPERATIONS LLC
 2021410145 SANTEN PHARMACEUTICAL CO., LTD.
 2021410893 EISAI R&D MANAGEMENT CO., LTD.
 2021411041 THE BLUE BOX BIOMEDICAL SOLUTIONS, SL
 2021411103 1E THERAPEUTICS, LTD.
 2021412369 CeMM - FORSCHUNGSZENTRUM FÜR MOLEKU-
 LARE MEDIZIN GMBH; MEDIZINISCHE
 UNIVERSITÄT WIEN; UNIVERSITÉ DE LAUSANNE

Specifications Republished

2021413737 EQUINIX, INC.
 2021413762 DIEBOLD NIXDORF INCORPORATED
 2021413862 TRANSCODE THERAPEUTICS, INC.
 2021415458 DM CONSULTING INC.
 2021415461 INSCRIPTA, INC.
 2021415468 Genesys Cloud Services, Inc.
 2021416193 PRECEPTIS MEDICAL, INC.
 2021416356 1E THERAPEUTICS, LTD.
 2021416786 KOMATSU LTD.
 2021417051 BOSTON SCIENTIFIC LIMITED
 2021420911 GRASSLANZ TECHNOLOGY LIMITED
 2021423334 APEX BRANDS, INC.
 2021425889 APEX BRANDS, INC.
 2021428613 COLDQUANTA, INC.
 2021428650 MITSUBISHI ELECTRIC CORPORATION
 2021440151 HALLIBURTON ENERGY SERVICES, INC.
 2022204974 TIAMAT SCIENCES
 2022205056 HEARTLAND AG TECH, INC.
 2022205948 ABIOMED, INC.
 2022206308 THE BROAD INSTITUTE, INC.; MASSACHUSETTS
 INSTITUTE OF TECHNOLOGY
 2022206320 MESO SCALE TECHNOLOGIES, LLC.
 2022206549 BASF COATINGS GMBH
 2022207185 SPARK THERAPEUTICS, INC.
 2022207356 BET STREAM PTY LTD
 2022207765 RIVULIS PLASTRO LTD.
 2022208013 BECTON, DICKINSON AND COMPANY
 2022208237 BETAGENON AB
 2022208641 ALPHA COGNITION INC.
 2022208884 BAOSHAN IRON & STEEL CO., LTD.
 2022209024 CAYAGO TEC GMBH
 2022209059 BETAPACK, S.A.U.
 2022210306 SALVUS, LLC; GEORGIA TECH RESEARCH COR-
 PORATION
 2022210466 EMERGEX, LLC
 2022211019 MAKO SURGICAL CORP.
 2022212319 BLOCKAID PTY LTD
 2022212568 BAMBINO PREZIOSO SWITZERLAND AG
 2022212776 THE UNIVERSITY OF LIVERPOOL
 2022213424 AMCOR FLEXIBLES NORTH AMERICA, INC.
 2022213475 GEKKO SYSTEMS PTY LTD
 2022215700 HUAWEI TECHNOLOGIES CO., LTD.
 2022216787 PHILIP MORRIS PRODUCTS S.A
 2022217173 GLISTEN LLC
 2022217702 GOLDPINE INDUSTRIES LTD
 2022217775 CAPITAL ONE SERVICES, LLC
 2022218094 PEPSICO, INC.
 2022219788 SHIN-ETSU CHEMICAL CO., LTD.; JAPAN VAM &
 POVAL CO., LTD.; TOHOKU UNIVERSITY
 2022220656 EAGLEBURGMANN GERMANY GMBH & CO. KG
 2022220694 THE TRUSTEES OF THE UNIVERSITY OF
 PENNSYLVANIA; NATIONAL CANCER CENTER
 2022222330 SOLVAY SPECIALTY POLYMERS USA, LLC; CYTEC
 INDUSTRIES INC
 2022222466 RECKITT & COLMAN (OVERSEAS) HYGIENE HOME
 LIMITED
 2022223396 HELEN OF TROY LIMITED
 2022224456 NIGHTINGALE HEALTH OYJ
 2022225576 PHARMOTECH SA
 2022225723 IP2IPO INNOVATIONS LIMITED
 2022227808 INTERNATIONAL BUSINESS MACHINES CORPORA-
 TION
 2022231117 KANDASAMY, K.
 2022233874 PRECISION PLANTING LLC
 2022233929 UNIFLEX-HYDRAULIK GMBH
 2022235946 BIOFRONT LTD
 2022236143 DAIKIN INDUSTRIES, LTD.
 2022242859 IPSEN BIOPHARM LIMITED
 2022246740 ILLUMINA, INC.
 2022250704 OMYA INTERNATIONAL AG

Specifications Republished

2022274622 HALLIBURTON ENERGY SERVICES, INC.
2022274703 ALKAHEST, INC.