



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

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

Editorial enquiries

Contact information

Freedom of Information ACT

Professional Standards Board

Sales

Requests for Information under Section 194 (c)

Country Codes

Trade Mark and Designs Hearing Sessions

INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

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

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

(i) FILING -

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

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

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

(iii) ACCEPTANCE –

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

(iv) OPPOSITION –

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

(v) GRANTING –

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

(vi) CERTIFICATION

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

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

How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

How Australian Patent Documents are Numbered

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

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

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

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

See Examples:

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

NOTE: When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.

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

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

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

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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

'INID' NUMBERS in use on Australian Patent Documents

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

(10) Document identification

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

(20) Document filing data

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

(30) Priority data

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

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

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

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

(50) Technical Information

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text
- (57) Abstract or claim

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

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

(70) Identification of parties concerned with the document

- (71) Name(s) of applicant(s)
- (72) Name(s) of inventor(s) if known to be such
- (74) Name(s) of attorney(s) or agent(s)
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

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

- (86) PCT Application Number
- (87) PCT Publication Number

NOTE

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

AU-A = Pre-examination

AU-B = Post-examination

- (2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)₂, (51)₃, (51)₄ and (51)₅.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.
- (4) There is a gap in volume numbering of the Australian Official Journal of Patents. The volumes are:
- 1987-2022 Volume 1 - 36
 - 2023 - Volume 57 -

Official Notice**Changes in PCT Fees**

In accordance with the directives adopted by the PCT Assembly during the month of October of each year, new equivalent amounts in AUD will be established with effect from **1 January 2025**, as follows:

International PCT Fees

- | | | |
|----|--|----------------------|
| 1. | International Search Fee | \$2200 |
| 2. | International Filing Fee | \$2289 |
| | If the application contains 30 Pages or less including the request form | |
| | E-filing reductions | |
| | Electronic filings filed in PDF format via ePCT | -\$344 |
| | Electronic filings filed in XML format via ePCT | -\$516 |
| | PLUS | |
| | For each page in the application in excess of 30 Sheets | \$26 |
| 3. | Cost of Preparing Certified Copy of Basic Document | \$50
per document |
| 4. | Copies of Specifications cited in the International Search Report | \$50
per copy |

International Preliminary Examination Fees

- | | | |
|----|--|-------|
| 1. | International Preliminary Examination Fee | |
| | If the International Search was performed by IP Australia | \$590 |
| | If the International search was <u>not</u> conducted by IP Australia | \$820 |
| 2. | International Preliminary Handling Fee | \$344 |

Total If Search performed by IP Australia
\$934

Total if Search not performed by IP Australia
\$1164

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IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Jones Tulloch Pty Ltd v Loam Bio Pty Ltd [2024] APO 51

Patent Application:	2023202250
Title:	Methods for carbon capture and increasing yield of plants
Patent Applicant:	Loam Bio Pty Ltd
Opponent:	Jones Tulloch Pty Ltd
Delegate:	Felix White
Decision Date:	17 December 2024
Hearing Date:	29 November 2024
Catchwords:	PATENTS – extensions of time to file evidence in support – access to microorganisms deposited under Budapest Treaty required for evidence in support – whether Opponent has made reasonable efforts to comply with filing requirements – whether Opponent has acted promptly and diligently – standard for a reasonable plan does not require perfection – extension of time is not separable for different components of evidence in support – reasonableness of decision to obtain evidence is assessed <i>a priori</i> – extensions of time allowed – costs awarded
Representation:	Counsel for the applicant: Gilbert Tsang Patent Attorney for the applicant: Southern Cross Intellectual Property Counsel for the opponent: Craig Smith SC

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 10 Dec 2024 .

(71) A.L JONES & H JONES (21) 2024904167 (22) 17.12.2024 (54) A CLEANING TOOL FOR USE WITH A SURFACE CLEANING APPARATUS AND A PERCUSSION APPARATUS	(71) Attalla, M. (21) 2024904142 (22) 13.12.2024 (54) An apparatus for anchoring to biological tissue	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2024904155 (22) 16.12.2024 (54) FLUID QUALITY MONITORING
(71) Adolf, K. (21) 2024904183 (22) 18.12.2024 (54) Dynamic Pricing System for Trading Cards Based on Real-Time Market Data and Condition-Based Adjustments	(71) Ayonz Pty Limited (21) 2024904143 (22) 13.12.2024 (54) Improvements in wheeled packaging boxes	(71) Croft, T. (21) 2024904118 (22) 12.12.2024 (54) Improved dispersion of traffic off Eastern Freeway
(71) Algernon Therapeutics Pty Ltd (21) 2024904172 (22) 17.12.2024 (54) Curcumin-Containing Nanoemulsions and Uses Thereof	(71) BENISU PTY LTD (21) 2024904120 (22) 12.12.2024 (54) INJURY AID FOR A PART OF A BODY	(71) Cytomatrix Limited (21) 2024904148 (22) 16.12.2024 (54) A composition for the delivery of biologically active agents and uses thereof
(71) Amenity Intelligence Pty Ltd (21) 2024904130 (22) 13.12.2024 (54) METHOD OF ASSESSING VISUAL IMPACT OF A 3D OBJECT ON AN ENVIRONMENT	(71) binkley, c. (21) 2024904135 (22) 13.12.2024 (54) Fan lid	(71) Dabcevic, E. (21) 2024904176 (22) 17.12.2024 (54) A device for carrying an article The invention is described in the following statement: A DEVICE FOR CARRYING AN ARTICLE The present invention relates to a device for carrying various articles and in particular to a device for carrying articles of an orthogonal nature such as, for example, pizza boxes and the cake boxes.
(71) Andon Technology Pty Ltd (21) 2024904157 (22) 16.12.2024 (54) Methods of Establishing Networks and Controlling Virtual Objects	(71) Bravat Global Pty Ltd (21) 2024904150 (22) 16.12.2024 (54) Toilet	(71) DPS Construction PTY LTD (21) 2024904111 (22) 11.12.2024 (54) COMMUNICATIONS SYSTEM AND METHOD
(71) Asytec Pty Ltd (21) 2024904126 (22) 12.12.2024 (54) AUTOMATED POSITIONING FOR X-RAY	(71) Breville Pty Limited (21) 2024904185 (22) 18.12.2024 (54) Coffee bean grinder, method, and espresso machine	(71) Dy-Mark (Aust.) Pty. Ltd. (21) 2024904123 (22) 12.12.2024 (54) Multi-port aerosol spray actuator
(71) Attalla, M. (21) 2024904141 (22) 13.12.2024 (54) An apparatus for anchoring to biological tissue	(71) Brinetec Limited (21) 2024904110 (22) 11.12.2024 (54) REFRIGERATING APPARATUS FOR PRODUCING ICE FROM BRINE	(71) entX Limited (21) 2024904178 (22) 17.12.2024 (54) Radioisotope apparatuses for thermal applications
	(71) Calibre8 Pty Ltd (21) 2024904168 (22) 17.12.2024 (54) Bag for washing clothes	

Provisional Applications Filed - Name Index cont'd

(71) Fin Control Systems Pty. Limited
(21) 2024904125 (22) 12.12.2024
(54) Surfboard Finplug Lock

(71) Foster, S.; Umekkan, D.
(21) 2024904170 (22) 17.12.2024
(54) Meter Box Door Support

(71) FutureFeed Pty Ltd
(21) 2024904184 (22) 18.12.2024
(54) A PHOTOBIOREACTOR SYSTEM

(71) Giannini, J.
(21) 2024904175 (22) 17.12.2024
(54) Accessible exercise chair

(71) GLANCE Optical Pty Ltd
(21) 2024904166 (22) 17.12.2024
(54) Automated System for Visual Acuity Testing

(71) Glogala Pty Limited
(21) 2024904162 (22) 17.12.2024
(54) Apparatus to generate work or energy

(71) Glogala Pty Limited
(21) 2024904163 (22) 17.12.2024
(54) Apparatus to generate work or energy

(71) Glogala Pty Limited
(21) 2024904164 (22) 17.12.2024
(54) Improved apparatus to generate work or energy

(71) Gomez, R.
(21) 2024904149 (22) 16.12.2024
(54) A PROCESS OF CONTINUOUS CHARGING OF AN ELECTRIC VEHICLE

(71) Hargrave, A.
(21) 2024904103 (22) 11.12.2024
(54) DEVICE AND METHOD FOR TREATING NEUROPSYCHIATRIC CONDITIONS THROUGH EYE MOVEMENTS

(71) Hartley, B.
(21) 2024904146 (22) 16.12.2024
(54) Flexible Queue Management System for Efficient Financial Operations

(71) Higgins, C.
(21) 2024904161 (22) 16.12.2024
(54) Distributed Ledger, Distributed Ledger Computing Platforms and Associated Methods, Systems and Devices

(71) InfigoLabs Pty Ltd
(21) 2024904137 (22) 13.12.2024
(54) Improvements in combustor systems and methods

Interlocking Holdings Limited see Irvine, D.
(21) 2024904147

(71) InVetro
(21) 2024904112 (22) 12.12.2024
(54) Use of trazodone in animals to manage behavioural reactions and as a tool to assist with peri-operative procedures.

(71) IP Collective Pty Ltd
(21) 2024904109 (22) 11.12.2024
(54) Power Supply System

(71) Irvine, D.; Interlocking Holdings Limited
(21) 2024904147 (22) 16.12.2024
(54) Padlock Adaptor System and Methods of Use

(71) It Takes A Tribe
(21) 2024904116 (22) 12.12.2024
(54) C.R.E.W. mobile app (Confidential Resource to Ensure Wellbeing)

Jonlo Engineering Pty Ltd see Peake, S.
(21) 2024904160

(71) KAPTURE IP HOLDINGS PTY LTD
(21) 2024904171 (22) 17.12.2024
(54) CARBON CAPTURE SYSTEM AND METHOD

(71) Koekstone IP Pty Ltd
(21) 2024904121 (22) 12.12.2024
(54) Slim Swivelling Joint

(71) Koekstone IP Pty Ltd
(21) 2024904122 (22) 12.12.2024
(54) Access panel for swivelling joint

(71) Macfarlane Burnet Institute for Medical Research and Public Health Limited
(21) 2024904136 (22) 13.12.2024
(54) MERS vaccine antigen

(71) McDade, N.
(21) 2024904117 (22) 12.12.2024
(54) Spray Bottle

(71) Mining and Process Solutions Pty Ltd
(21) 2024904127 (22) 13.12.2024
(54) A PROCESS FOR TREATING LEACH RESIDUE

(71) NewSouth Innovations Pty Limited
(21) 2024904104 (22) 11.12.2024
(54) Catalyst for a fuel cell

(71) NewSouth Innovations Pty Limited
(21) 2024904108 (22) 11.12.2024
(54) Autonomous system for real-time cognitive load estimation and management

NewSouth Innovations Pty Limited see The University of Sydney
(21) 2024904153

(71) NewSouth Innovations Pty Limited
(21) 2024904188 (22) 18.12.2024
(54) Lipid formulations for treatment of the eye

(71) Niche Business Solutions Pty Ltd
(21) 2024904152 (22) 16.12.2024
(54) A water tank refilling system

(71) NTHALMIC HOLDING PTY LTD
(21) 2024904096 (22) 11.12.2024
(54) Dynamic Orthokeratology

(71) NTHALMIC HOLDING PTY LTD
(21) 2024904097 (22) 11.12.2024
(54) On Eye Imaging of Contact Lenses

(71) NTHALMIC HOLDING PTY LTD; Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd.
(21) 2024904098 (22) 11.12.2024
(54) AIR PUFF DEVICE TO TREAT MEIBOMIAN GLAND DEFICIENCIES

(71) OmniScience
(21) 2024904113 (22) 12.12.2024
(54) "OMN1" is a new way of computing that enables Quantisation while also proving Einstein's theories of Relativity, Superposition and Entanglement.

(71) Orbital Australia Pty Ltd
(21) 2024904140 (22) 13.12.2024
(54) PROVIDING ENERGY TO AN UNMANNED VEHICLE

(71) Orekinetics Investments Pty Ltd
(21) 2024904095 (22) 10.12.2024
(54) IMPROVEMENTS TO SPIRAL SEPARATORS AND APPARATUS THEREFOR

(71) Outback Academy Australia Limited
(21) 2024904186 (22) 18.12.2024
(54) Method for preparing and use of a solid shelf-stable Aizoaceae extract

Provisional Applications Filed - Name Index cont'd

(71) Pascual Haro, M.
(21) 2024904158 (22) 16.12.2024
(54) Magnetically Integrated Towel for Enhanced Usability and Placement

(71) Peake, S.; Jonlo Engineering Pty Ltd
(21) 2024904160 (22) 16.12.2024
(54) Abstract Operator Algebra Computer Model for Advanced Computational Systems

(71) Pio Therapeutics Pty Ltd
(21) 2024904124 (22) 12.12.2024
(54) Antibodies for binding to IL-18BP

(71) Power, R.
(21) 2024904100 (22) 11.12.2024
(54) Jetloo water saving toilet

(71) PWI RESEARCH AND TECHNOLOGY PTY LTD
(21) 2024904114 (22) 12.12.2024
(54) Ingestible NAD+ dietary supplement with improved or complete absorption using liposome methods and formulated with peptide

(71) Reel-Tech Pty Ltd
(21) 2024904139 (22) 13.12.2024
(54) Roller Hose Guide for a Hose Reel

(71) Rees, J.
(21) 2024904154 (22) 16.12.2024
(54) A PACKAGE FOR A FLOWABLE FOOD PRODUCT

(71) ResMed Pty Ltd
(21) 2024904091 (22) 10.12.2024
(54) POSITIONING, STABILISING, AND INTERFACING STRUCTURES AND SYSTEM INCORPORATING SAME

(71) ResMed Pty Ltd
(21) 2024904093 (22) 10.12.2024
(54) PATIENT INTERFACE INCLUDING FLOW GENERATOR

(71) ResMed Pty Ltd
(21) 2024904173 (22) 17.12.2024
(54) PATIENT INTERFACE WITH EYE MASK AND CONNECTOR FOR EYE MASK

(71) Rollease Acmeda, Inc.
(21) 2024904105 (22) 11.12.2024
(54) A device and method for holding a tensioning device

(71) ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY
(21) 2024904102 (22) 11.12.2024
(54) Adherent Pesticide for plants

(71) Samsara Eco Pty Limited
(21) 2024904187 (22) 18.12.2024
(54) Enzyme variants and uses thereof

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(21) 2024904165

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(21) 2024904165

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(21) 2024904165

(71) Shelley, A.; Shelley, D.; Shelley, M.; Shelley, D.
(21) 2024904165 (22) 17.12.2024
(54) Process and apparatus for the manufacture of an aqueous solution of magnesium bicarbonate

(71) Shiels, G.; Thompson, M.
(21) 2024904133 (22) 13.12.2024
(54) Greywater recovery system

(71) Shipping Container Stands - Australia Pty Ltd
(21) 2024904119 (22) 12.12.2024
(54) Improvements in or in relation to stands

(71) Sirrah IP Holdings Pty Ltd
(21) 2024904107 (22) 11.12.2024
(54) PILL DISPENSER

(71) Smolenaers, P.
(21) 2024904144 (22) 13.12.2024
(54) Processing solutions

(71) Smolenaers, P.
(21) 2024904156 (22) 16.12.2024
(54) Processing solutions

(71) SoilPro Pty Ltd
(21) 2024904101 (22) 11.12.2024
(54) A POINT ELEMENT

(71) Stronach, C.
(21) 2024904169 (22) 17.12.2024
(54) Rodent Bait Holder

(71) The University of Adelaide
(21) 2024904132 (22) 13.12.2024
(54) ELECTROCATALYST AND ELECTROLYSER COMPRISING THE SAME

(71) The University of Melbourne
(21) 2024904106 (22) 11.12.2024
(54) Fabrication of Polymeric Structures

(71) The University of Sydney
(21) 2024904151 (22) 16.12.2024
(54) In-situ electrochemical fabrication of conductive metal organic framework for chemiresistive sensing

(71) The University of Sydney; NewSouth Innovations Pty Limited
(21) 2024904153 (22) 16.12.2024
(54) Method for differentiating between histopathological causes of kidney graft dysfunction

(71) The Walter and Eliza Hall Institute of Medical Research; Yeda Research and Development Co.Ltd
(21) 2024904177 (22) 17.12.2024
(54) STABILISED PROTEIN

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(21) 2024904133

(71) THOMS, D.
(21) 2024904099 (22) 11.12.2024
(54) SECURING SYSTEM

(71) Tregaskis-Jago, o.
(21) 2024904145 (22) 14.12.2024
(54) Door holder for painting both faces and three edges

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(21) 2024904170

(71) University of the Sunshine Coast
(21) 2024904128 (22) 13.12.2024
(54) Aspergillus Nucleic Acid Detection

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(54) Yeast Nucleic Acid Detection

(71) Vailima Peninsula Pty Ltd
(21) 2024904179 (22) 17.12.2024
(54) NOVEL COMPOUNDS

(71) Vailima Peninsula Pty Ltd
(21) 2024904180 (22) 17.12.2024
(54) NOVEL THERAPY

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(71) Vernals, H.
(21) 2024904134 (22) 13.12.2024
(54) Self supporting Power operated Wind-
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(71) Victoria Link Limited
(21) 2024904182 (22) 18.12.2024
(54) ANTIVIRAL IMINO-C-NUCLEOSIDE
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(71) Werner, S.
(21) 2024904174 (22) 17.12.2024
(54) A Weighing Apparatus

(71) Williams, P.
(21) 2024904159 (22) 16.12.2024
(54) AIRWAY ACCESS DEVICE

(71) YAN, T.
(21) 2024904138 (22) 13.12.2024
(54) A SUTURE ARRANGEMENT AND
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(21) 2024904177

(71) Youssif, A.
(21) 2024904181 (22) 18.12.2024
(54) Gold factories

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(21) 2024904098

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

(71) Abbott Diabetes Care Inc. (21) 2024278328 (22) 12.12.2024 (54) Analysis of glucose median, variability, and hypoglycemia risk for therapy guidance	(54) Knuckle joint assembly for medical device support system	(21) 2024278442
(71) Abiomed, Inc. (21) 2024278353 (22) 12.12.2024 (54) Peel away hemostasis valve	(71) AMERICORP INVESTMENTS LLC (21) 2024278342 (22) 12.12.2024 (54) BLOCKCHAIN-BASED COMMERCIAL INVENTORY SYSTEMS AND METHODS	(71) Australian Coil Services Pty Ltd (21) 2024278440 (22) 16.12.2024 (54) Apparatus and Method for Perforating a Wellbore Casing
(71) Abiomed, Inc. (21) 2024278462 (22) 16.12.2024 (54) Systems and methods for predicting patient health status	(71) Amgen Inc.; Kite Pharma, Inc. (21) 2024278538 (22) 18.12.2024 (54) Chimeric receptors to FLT3 and methods of use thereof	(71) Authentical Co Pty. Ltd. (21) 2024278484 (22) 16.12.2024 (54) The use of a NFC device to certify the provenance of Artefacts by tracking them via Blockchain and to allow for payment of royalties to creators or their nominees on secondary sales
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(71) AFL Telecommunications LLC; Fujikura Ltd. (21) 2024278421 (22) 13.12.2024 (54) Round and small diameter optical cables with a ribbon-like optical fiber structure	(71) Ancora Heart, Inc. (21) 2024278330 (22) 12.12.2024 (54) Myocardial implant load sharing device and methods to promote LV function	(71) Battelle Memorial Institute (21) 2024278301 (22) 11.12.2024 (54) PORTABLE AND WEARABLE HAND-GRASP NEURO-ORTHOSIS
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(71) Alnylam Pharmaceuticals, Inc. (21) 2024278345 (22) 12.12.2024 (54) Methods and compositions for treating a proprotein convertase subtilisin kexin (PCSK9) gene-associated disorder	(71) Aristocrat Technologies Australia Pty Limited (21) 2024278385 (22) 13.12.2024 (54) A GAMING MACHINE AND METHOD FOR PROVIDING A FEATURE GAME	(71) Baxter International Inc.; Baxter Healthcare SA (21) 2024278414 (22) 13.12.2024 (54) MODULAR MEDICAL FLUID MANAGEMENT ASSEMBLIES AND ASSOCIATED MACHINES AND METHODS
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(54) Methods and Agricultural Compositions for Preventing or Controlling Plant Diseases

(71) Bechtel Energy Technologies & Solutions, Inc.

(21) 2024278478 (22) 16.12.2024

(54) SYSTEMS AND METHODS FOR REMOVING CARBON DIOXIDE FROM A COMBUSTION FLUE GAS AND/OR AIR

(71) Bio-Rad Europe GmbH; Bio-Rad Laboratories, Inc.

(21) 2024278436 (22) 16.12.2024

(54) System and Method for Target Detection with Applications in characterizing Food Quality and Improving Food Safety

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(21) 2024278436

(71) Bioverativ Therapeutics Inc.

(21) 2024278509 (22) 17.12.2024

(54) Methods of treating hemophilic arthropathy using chimeric clotting factors

(71) Block, Inc.

(21) 2024278493 (22) 17.12.2024

(54) Embedded card reader security

(71) Bolt Threads, Inc.

(21) 2024278323 (22) 12.12.2024

(54) MODIFIED STRAINS FOR THE PRODUCTION OF RECOMBINANT SILK

(71) Boston Scientific Scimed, Inc.

(21) 2024278363 (22) 12.12.2024

(54) Methods and devices for gamma correction

(71) Breville Pty Limited

(21) 2024278475 (22) 16.12.2024

(54) A milk frothing device

(71) Buddi Limited

(21) 2024278552 (22) 18.12.2024

(54) METHOD FOR RECOVERING A NOISE CONTAMINATED SIGNAL OBTAINED FROM A MONITORING DEVICE

(71) CANARY MEDICAL INC.

(21) 2024278542 (22) 18.12.2024

(54) IMPLANTABLE REPORTING PROCESSOR FOR AN ALERT IMPLANT

(71) Canon Kabushiki Kaisha

(21) 2024278399 (22) 13.12.2024

(54) Cartridge, process cartridge, and electrophotographic image generation device

(71) Canva Pty Ltd

(21) 2024278326 (22) 12.12.2024

(54) Systems and methods for editing designs

(71) Canva Pty Ltd

(21) 2024278348 (22) 12.12.2024

(54) Systems and methods for processing designs

(71) CareFusion 303, Inc.

(21) 2024278306 (22) 11.12.2024

(54) Infusion module adapter

(71) CareFusion 303, Inc.

(21) 2024278333 (22) 12.12.2024

(54) Intelligently controlling patient-controlled drug delivery

(71) CareFusion 303, Inc.

(21) 2024278464 (22) 16.12.2024

(54) Module connectors for infusion pump systems

(71) Castawall Australia Pty Ltd

(21) 2024278335 (22) 12.12.2024

(54) Support Structure Assembly

(71) CATERPILLAR INC.

(21) 2024278315 (22) 11.12.2024

(54) MACHINE TRAVEL CONTROL BASED ON VISION SYSTEM HEALTH

(71) CATERPILLAR INC.

(21) 2024278400 (22) 13.12.2024

(54) Ground engaging tool wear and loss detection system and method

(71) CFPH, L.L.C.

(21) 2024278423 (22) 13.12.2024

(54) Methods and apparatus for electronic file use and management

(71) CFPH, L.L.C.

(21) 2024278525 (22) 17.12.2024

(54) Document changes

(71) CFPH, LLC

(21) 2024278379 (22) 13.12.2024

(54) Game broker

(71) CHEP Technology Pty Limited

(21) 2024278358 (22) 12.12.2024

(54) Dolly

(71) CloudBlue LLC

(21) 2024278304 (22) 11.12.2024

(54) SYSTEM AND METHOD OF DIGITAL PRODUCT ONBOARDING AND DISTRIBUTION USING THE CLOUD SERVICE BROKERAGE INFRASTRUCTURE

(71) Clover Network, LLC

(21) 2024278441 (22) 16.12.2024

(54) Dual device point of sale system using short-range wireless connection

(71) CNH Industrial America LLC

(21) 2024278499 (22) 17.12.2024

(54) Agricultural harvester drum lift linkage

(71) Colgate-Palmolive Company

(21) 2024278550 (22) 18.12.2024

(54) Oral hydrogel compositions and uses

(71) CONEX IPR LIMITED

(21) 2024278277 (22) 10.12.2024

(54) Tube Cutter For Cutting A Round Tube And Method For Cutting A Round Tube To Length

(71) Control Systems Technology Pty Ltd

(21) 2024278384 (22) 13.12.2024

(54) Sealing arrangement for idler rollers used in weighing roller belts

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(21) 2024278545

(71) CTXT Pty Limited

(21) 2024278273 (22) 10.12.2024

(54) Compounds

(71) Curis, Inc; Aurigene Oncology Limited

(21) 2024278442 (22) 16.12.2024

(54) Conjoint therapies for immunomodulation

(71) Dexcom, Inc.

(21) 2024278339 (22) 12.12.2024

(54) Biointerface layer for analyte sensors

(71) Dolby International AB

(21) 2024278519 (22) 17.12.2024

(54) Integration of high frequency reconstruction techniques with reduced post-processing delay

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(21) 2024278368

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(71) Dragonfly Therapeutics, Inc. (21) 2024278313 (22) 11.12.2024 (54) Proteins binding NKG2D, CD16 and a tumor-associated antigen	(71) Essity Hygiene and Health Aktiebolag (21) 2024278506 (22) 17.12.2024 (54) Washable absorbent assembly	(71) Fivecast Pty Ltd (21) 2024278366 (22) 12.12.2024 (54) METHOD AND SYSTEM FOR RISK DETERMINATION
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(54) Intra-frame chromaticity prediction method and device, and computer storage medium

(71) Guangdong Oppo Mobile Telecommunications Corp., Ltd.

(21) 2024278461 (22) 16.12.2024

(54) Intra-frame chromaticity prediction method and device, and computer storage medium

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

(21) 2024278402 (22) 13.12.2024

(54) Decoding prediction method and apparatus, and computer storage medium

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

(21) 2024278403 (22) 13.12.2024

(54) Decoding prediction method and apparatus, and computer storage medium

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

(21) 2024278404 (22) 13.12.2024

(54) Decoding prediction method and apparatus, and computer storage medium

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

(21) 2024278405 (22) 13.12.2024

(54) Decoding prediction method and apparatus, and computer storage medium

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

(21) 2024278446 (22) 16.12.2024

(54) Method for encoding/decoding image signal, and device for same

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

(21) 2024278447 (22) 16.12.2024

(54) Method for encoding/decoding image signal, and device for same

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

(21) 2024278449 (22) 16.12.2024

(54) Method for encoding/decoding image signal, and device for same

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

(21) 2024278452 (22) 16.12.2024

(54) Method for encoding/decoding image signal, and device for same

(71) Hartford Steam Boiler Inspection and Insurance Company

(21) 2024278534 (22) 18.12.2024

(54) Computer-based systems, computing components and computing objects configured to implement dynamic outlier bias reduction in machine learning models

(71) HBI Branded Apparel Enterprises, LLC

(21) 2024278468 (22) 16.12.2024

(54) Tailored lift bra cup system and method

Hexima Limited see Pioneer Hi-Bred International, Inc.

(21) 2024278334

(71) HINOVA PHARMACEUTICALS INC.

(21) 2024278504 (22) 17.12.2024

(54) Combination drug for treating triple-negative breast cancer

(71) HONEYWELL INTERNATIONAL INC.

(21) 2024278346 (22) 12.12.2024

(54) METHODS FOR IMPROVING GUARD SAFETY IN A CORRECTIONAL FACILITY USING A VIDEO SURVEILLANCE SYSTEM

(71) Howmet Aerospace Inc.

(21) 2024278347 (22) 12.12.2024

(54) MULTI-PIECE FASTENER COMPRISING A TAPERED THREADED PORTION AND METHOD OF FASTENING

(71) Huaneng Shandong Power Co., Ltd.; Huaneng Zhanhua Photovoltaic Power Generation Co., Ltd.; Shandong Academy of Agricultural Sciences; Shandong Academy of Agricultural Machinery Science

(21) 2024278540 (22) 18.12.2024

(54) Method for Improving Saline-Alkali Land by Spreading Mushroom Residue

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(21) 2024278540

(71) Huawei Technologies Co., Ltd.

(21) 2024278340 (22) 12.12.2024

(54) MULTI-LINK RECONFIGURATION METHOD AND APPARATUS

(71) Huawei Technologies Co., Ltd.

(21) 2024278406 (22) 13.12.2024

(54) COMMUNICATION METHOD AND APPARATUS

(71) Huawei Technologies Co., Ltd.

(21) 2024278412 (22) 13.12.2024

(54) CHANNEL ACCESS METHOD AND COMMUNICATION APPARATUS

(71) Huawei Technologies Co., Ltd.

(21) 2024278489 (22) 17.12.2024

(54) CHANNEL ACCESS METHOD AND COMMUNICATION APPARATUS

(71) Huawei Technologies Co., Ltd.

(21) 2024278511 (22) 17.12.2024

(54) SPATIAL REUSE METHOD, APPARATUS, DEVICE, AND MEDIUM

(71) HUAWEI TECHNOLOGIES CO., LTD.

(21) 2024278282 (22) 11.12.2024

(54) SIGNAL PROCESSING METHOD AND APPARATUS

(71) Icahn School of Medicine at Mount Sinai

(21) 2024278269 (22) 10.12.2024

(54) SYSTEMS AND METHODS FOR TREATING A PSYCHIATRIC DISORDER

(71) Illinois Tool Works Inc.

(21) 2024278553 (22) 18.12.2024

(54) Washer and method of providing anchorage

(71) Illumina, Inc.

(21) 2024278529 (22) 17.12.2024

(54) Hybrid Nanopore Sensors

(71) Immunity Pharma Ltd.

(21) 2024278477 (22) 16.12.2024

(54) PEPTIDE COMPOUNDS AND THERAPEUTIC USES OF SAME

(71) Impossible Foods Inc.

(21) 2024278448 (22) 16.12.2024

(54) Ground meat replicas

(71) Inter-Med, Inc.

(21) 2024278533 (22) 18.12.2024

(54) SYSTEM OF IN VIVO TESTING FOR RECENTLY VIABLE DENTAL CELLULAR DEBRIS

(71) International Tourism & Investment Group

(21) 2024278424 (22) 13.12.2024

(54) High-Speed Flying Boat

(71) Intuit Inc.

(21) 2024278547 (22) 18.12.2024

Complete Applications Filed - Name Index cont'd

(54) Method and system for context-specific generative model answers from context-specific queries

(71) Investissements QMB Inc.
(21) 2024278331 (22) 12.12.2024
(54) Barrier for roadway

(71) Ipex Technologies Inc.
(21) 2024278485 (22) 16.12.2024
(54) Solvent Free Jointing Method For Pressure Applications

Isaacson, D. see RevAir, LLC
(21) 2024278545

(71) i-SEP
(21) 2024278445 (22) 16.12.2024
(54) System and method for treating haemorrhagic fluid for autotransfusion

(71) Itron, Inc.
(21) 2024278419 (22) 13.12.2024
(54) A low latency hybrid network for battery powered endpoint communications

(71) J. Ray McDermott, S.A.
(21) 2024278513 (22) 17.12.2024
(54) Residual curvature before stinger in s-lay

(71) Jaber, F.
(21) 2024278395 (22) 13.12.2024
(54) Wireless Thunderbolt Adapter – Transmitter and Receiver

(71) Jazz Pharmaceuticals Ireland Ltd.
(21) 2024278286 (22) 11.12.2024
(54) Methods of Treatment with Asparaginase

(71) Jouf University
(21) 2024278483 (22) 16.12.2024
(54) KNEE EXTENSORS ACTIVATION (KEA) DEVICE

Joyce, R. see Tucker, S.
(21) 2024278368

Jumpstart Fertility Pty Ltd see Tucker, S.
(21) 2024278368

(71) Kamine Technology Group, LLC
(21) 2024278317 (22) 11.12.2024
(54) System and Method for Processing Claims for Users of a Claim Readiness Workflow Ecosystem

(71) KIESENHOFER TECH LIMITED
(21) 2024278496 (22) 17.12.2024
(54) METHOD FOR PROMOTING ACTIONS OF A TARGET GROUP AND SYSTEM THEREOF

King's College London see New-Food Innovation Ltd
(21) 2024278527

Kite Pharma, Inc. see Amgen Inc.
(21) 2024278538

(71) Koppers Delaware, Inc.
(21) 2024278336 (22) 12.12.2024
(54) Heat treatment process and system for increased pitch yields

(71) Kutti Bay Investments Pty Ltd
(21) 2024278467 (22) 16.12.2024
(54) SAFETY SYSTEM AND METHOD FOR PROTECTING AGAINST A HAZARD OF DRILL ROD FAILURE IN A DRILLED ROCK BORE

(71) LC Automation Pty Ltd
(21) 2024278343 (22) 12.12.2024
(54) A FORMWORK FRAME AND METHOD

(71) Leidos, Inc.
(21) 2024278284 (22) 11.12.2024
(54) AN IMPROVED LOW-POWER MASS INTERROGATION SYSTEM AND ASSAY FOR DETERMINING VITAMIN D LEVELS

(71) LG ELECTRONICS INC.
(21) 2024278294 (22) 11.12.2024
(54) Vacuum adiabatic body and refrigerator

(71) LG ELECTRONICS INC.
(21) 2024278536 (22) 18.12.2024
(54) LAUNDRY TREATING APPARATUS

(71) Liebherr-Werk Ehingen GmbH
(21) 2024278387 (22) 13.12.2024
(54) Mobile work machine and drive system for such a machine

Life Biosciences, Inc. see Tucker, S.
(21) 2024278368

(71) Lightcast Discovery Ltd
(21) 2024278411 (22) 13.12.2024
(54) Device and method for microdroplet detection of cells

(71) Light Field Lab, Inc.
(21) 2024278271 (22) 10.12.2024
(54) SYSTEM AND METHODS FOR RENDERING DATA FROM A 3D ENVIRONMENT

(71) LivePerson, Inc.
(21) 2024278380 (22) 13.12.2024
(54) Bot supervision

(71) MAKO Surgical Corp.
(21) 2024278465 (22) 16.12.2024
(54) View angle-independent visual representation of a cut procedure

Marcuccio, S.M. see Tucker, S.
(21) 2024278368

(71) Matrox Graphics Inc.
(21) 2024278281 (22) 11.12.2024
(54) REALTIME DISTRIBUTION OF GRANULAR DATA STREAMS ON A NETWORK

(71) Mayo Foundation for Medical Education and Research
(21) 2024278291 (22) 11.12.2024
(54) COMPOUNDS FOR THE REDUCING LIPOTOXIC DAMAGE

(71) McNally, J.
(21) 2024278437 (22) 16.12.2024
(54) TRAINING AID FOR CRICKET BAT

(71) Memorial Sloan Kettering Cancer Center
(21) 2024278364 (22) 12.12.2024
(54) Determinants of cancer response to immunotherapy by PD-1 blockade

(71) Merck Sharp & Dohme LLC; Agenus Inc.
(21) 2024278314 (22) 11.12.2024
(54) Anti-ILT4 antibodies and antigen-binding fragments

(71) Mesoblast International Sarl
(21) 2024278377 (22) 13.12.2024
(54) Method for treating heart failure

(71) Mettler Packaging Pty. Ltd.
(21) 2024278300 (22) 11.12.2024
(54) Plastic carrier bag

(71) Mettler Packaging Pty. Ltd.
(21) 2024278307 (22) 11.12.2024
(54) Plastic carrier bag

Complete Applications Filed - Name Index cont'd

(71) Miller UK Limited
(21) 2024278398 (22) 13.12.2024
(54) COUPLER

(71) Mine Timber Technology (Int) Pty Ltd
(21) 2024278381 (22) 13.12.2024
(54) IMPROVEMENTS IN OR IN RELATION TO MINE ROOF SUPPORT CRIBS

(71) MITEK HOLDINGS, INC.
(21) 2024278297 (22) 11.12.2024
(54) AUTOMATED TRUSS MANUFACTURING AND ASSEMBLY SYSTEM

(71) MITEK HOLDINGS, INC.
(21) 2024278299 (22) 11.12.2024
(54) AUTOMATED TRUSS MANUFACTURING AND ASSEMBLY SYSTEM

(71) MITEK HOLDINGS, INC.
(21) 2024278305 (22) 11.12.2024
(54) AUTOMATED TRUSS MANUFACTURING AND ASSEMBLY SYSTEM

(71) Modcube Technology (Beijing) Co., Ltd.
(21) 2024278480 (22) 16.12.2024
(54) COMPOSITE WALLBOARD FOR QUICK-BUILD HOUSE

(71) Monsanto Technology LLC
(21) 2024278556 (22) 18.12.2024
(54) Novel insect inhibitory proteins

(71) Mould, D.R.
(21) 2024278361 (22) 12.12.2024
(54) Systems and methods for modifying adaptive dosing regimens

(71) MuPharma Pty Ltd
(21) 2024278474 (22) 16.12.2024
(54) Non-invasive agent applicator

(71) New-Food Innovation Ltd; King's College London
(21) 2024278527 (22) 17.12.2024
(54) Medium/Low Glycaemic Index Products and Methods

(71) Nien Made Enterprise Co., Ltd.
(21) 2024278285 (22) 11.12.2024
(54) Window covering and window covering operation mechanism thereof

(71) Nordic Minesteel Technologies Inc.
(21) 2024278324 (22) 12.12.2024
(54) Tire handler having tire lay flat capability

(71) Nunhems B.V.
(21) 2024278407 (22) 13.12.2024
(54) Lettuce variety NUN 06327 LTL

(71) Nunhems B.V.
(21) 2024278463 (22) 16.12.2024
(54) LETTUCE VARIETY NUN 06307 LTL

(71) Nunhems B.V.
(21) 2024278471 (22) 16.12.2024
(54) LETTUCE VARIETY NUN 06823 LTL

(71) Nunhems B.V.
(21) 2024278514 (22) 17.12.2024
(54) Didymella bryoniae internal fruit rot resistance in cucumis sativus plants

(71) Oncocutics, Inc.
(21) 2024278350 (22) 12.12.2024
(54) 7-benzyl-4-(2-methylbenzyl)-2,4,6,7,8,9-hexahydroimidazo[1,2-a]pyrido[3,4-e]pyrimidin-5(1h)-one, salts thereof and methods of use

(71) ONSOLUTION PTY LTD
(21) 2024278450 (22) 16.12.2024
(54) Fluorescent Hand Sanitiser Training System

(71) OPTOPOL TECHNOLOGY POLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA
(21) 2024278373 (22) 13.12.2024
(54) Device for Eyesight Examination, in Particular for Performing Field of Vision Test

(71) Oxular Limited
(21) 2024278515 (22) 17.12.2024
(54) Ophthalmic delivery device

(71) PACCAR Inc
(21) 2024278360 (22) 12.12.2024
(54) SYSTEMS AND METHODS FOR CONNECTION OF MODULAR AND SCALABLE BATTERY PACKS

(71) Paltronics Australasia Pty Limited
(21) 2024278295 (22) 11.12.2024
(54) A METHOD OF PROVIDING A TABLE GAME AND AN ASSOCIATED SYSTEM

(71) Panasonic Intellectual Property Corporation of America
(21) 2024278530 (22) 17.12.2024
(54) Three-dimensional data encoding method, three-dimensional data decoding method, three-dimensional data encoding device, and three-dimensional data decoding device

ing device, and three-dimensional data decoding device

(71) PASM Technology A Pty Ltd (formerly known as PASM (AU) Pty Ltd)
(21) 2024278532 (22) 17.12.2024
(54) Apparatus and Method for Treating Radioactive Emission

(71) Pharmacycics LLC; Regents of the University of Minnesota
(21) 2024278490 (22) 17.12.2024
(54) Methods of treating and preventing alloantibody driven chronic graft versus host disease

(71) Physio-Control, Inc.
(21) 2024278283 (22) 11.12.2024
(54) Medical device with modifiable sonifications

(71) Pierre Fabre Médicament
(21) 2024278329 (22) 12.12.2024
(54) COMBINATION OF ENCORAFENIB AND BINIMETINIB AS ADJUVANT TREATMENT FOR RESECTED STAGE II MELANOMA

(71) Pioneer Hi-Bred International, Inc.; Hexima Limited
(21) 2024278334 (22) 12.12.2024
(54) Insecticidal proteins from plants and methods for their use

(71) Pioneer Material Precision Tech Co., Ltd.
(21) 2024278435 (22) 16.12.2024
(54) BIONIC ANIMAL

(71) Plexaa Ltd
(21) 2024278429 (22) 14.12.2024
(54) A Heating Device

(71) Poly Gain Pte Ltd
(21) 2024278473 (22) 16.12.2024
(54) Use of sugar cane extracts in the treatment or prevention of microbial infections and dysbiosis

(71) Polyplas International Pty Ltd
(21) 2024278362 (22) 12.12.2024
(54) System For Supporting Non-structural Building Components

(71) Prysmian S.p.A.
(21) 2024278370 (22) 13.12.2024
(54) Repeated submarine optical cable

(71) PUYOUNG IND. CO., LTD.
(21) 2024278549 (22) 18.12.2024

Complete Applications Filed - Name Index cont'd

(54) FRUIT TREE SCREEN

(71) PyroGenesis Canada Inc.
(21) 2024278378 **(22)** 13.12.2024
(54) ENERGY EFFICIENT HIGH POWER PLASMA TORCH

(71) Reflex Instruments Asia Pacific Pty Ltd
(21) 2024278272 **(22)** 10.12.2024
(54) METHOD AND SYSTEM FOR ACQUIRING GEOLOGICAL DATA FROM A BORE HOLE

(71) Regeneron Pharmaceuticals, Inc.
(21) 2024278415 **(22)** 13.12.2024
(54) MULTISPECIFIC ANTIGEN-BINDING MOLECULES AND USES THEREOF

(71) Regeneron Pharmaceuticals, Inc.
(21) 2024278420 **(22)** 13.12.2024
(54) COMPOSITIONS AND METHODS FOR INTERNALIZING ENZYMES

(71) Regeneron Pharmaceuticals, Inc.
(21) 2024278422 **(22)** 13.12.2024
(54) Methods and systems for identifying, classifying, and/or ranking genetic sequences

Regents of the University of Minnesota see Pharmacyclics LLC
(21) 2024278490

(71) Research Institute at Nationwide Children's Hospital
(21) 2024278416 **(22)** 13.12.2024
(54) Recombinant Adeno-Associated Virus Delivery Of Exon 2-Targeted U7snRNA Polynucleotide Constructs

(71) ResMed Pty Ltd
(21) 2024278476 **(22)** 16.12.2024
(54) PATIENT INTERFACE

(71) Respiratory Motion, Inc.
(21) 2024278561 **(22)** 18.12.2024
(54) ADVANCED RESPIRATORY MONITOR AND SYSTEM

(71) Retain Ortho, LLC
(21) 2024278521 **(22)** 17.12.2024
(54) PLATFORM AND METHOD FOR THE MANAGEMENT AND MANUFACTURE OF RETAINERS

(71) RevAir, LLC; Thomason, S.; Cooper, F.; Isaacson, D.
(21) 2024278545 **(22)** 18.12.2024
(54) Vacuum assisted systems and methods for grooming hair

(71) Roche Glycart AG
(21) 2024278296 **(22)** 11.12.2024
(54) Bispecific antigen binding molecule

(71) Sage Therapeutics, Inc.
(21) 2024278325 **(22)** 12.12.2024
(54) 19-nor C3,3-disubstituted C21-N-pyrazolyl steroids and methods of use thereof

(71) SCHNABEL, R.; ADAMSON, A.
(21) 2024278355 **(22)** 12.12.2024
(54) Generating a high-resolution scan of an intraoral cavity

(71) Schneider Electric Industries SAS
(21) 2024278316 **(22)** 11.12.2024
(54) DC FAN ASSEMBLY

(71) Schneider Electric Industries SAS
(21) 2024278479 **(22)** 16.12.2024
(54) CHARGING APPARATUS COMPATIBLE WITH DIRECT CURRENT INPUT AND ALTERNATING CURRENT INPUT

(71) Schneider Electric USA, Inc.
(21) 2024278524 **(22)** 17.12.2024
(54) SYSTEMS AND METHODS FOR INTELLIGENT EVENT WAVEFORM ANALYSIS

(71) Seal Network B.V.
(21) 2024278502 **(22)** 17.12.2024
(54) Playing card with electronic authentication means

(71) Sealy Technology LLC
(21) 2024278451 **(22)** 16.12.2024
(54) Open coil spring assemblies

(71) Sealy Technology LLC
(21) 2024278453 **(22)** 16.12.2024
(54) Open coil spring assemblies

(71) Sealy Technology LLC
(21) 2024278454 **(22)** 16.12.2024
(54) Open coil spring assemblies

(71) Sealy Technology LLC
(21) 2024278455 **(22)** 16.12.2024
(54) Open coil spring assemblies

(71) Seed Terminator Holdings Pty Ltd
(21) 2024278510 **(22)** 17.12.2024
(54) AN IMPACT MILL AND A RESIDUE PROCESSING SYSTEM INCORPORATING SAME

(71) SENSE2 PTY LTD
(21) 2024278280 **(22)** 10.12.2024
(54) Scalable, Future-Proof Hybrid Photonic-Neuromorphic Processor Architecture with Integrated Security, Adaptive Resource and Power Management, Ecosystem Compatibility, Regulatory Preparedness, and Expandable Technology Roadmap

(71) SENSE2 PTY LTD
(21) 2024278425 **(22)** 13.12.2024
(54) Scalable Neuromorphic-Photonic Processor Architecture with Incremental Upgrade Roadmap, Hardware Security, Adaptive Management, and Immediate Manufacturability

(71) SENSE2 PTY LTD
(21) 2024278516 **(22)** 17.12.2024
(54) Photonic-Neuromorphic Computing System With Neuromorphic Memory, Silicon Photonics, PQC Readiness, Intrusion-Based Resource Allocation, Adaptive Cooling, Enhanced Efficiency, and Future-Ready Upgradability

Shandong Academy of Agricultural Machinery Science see Huaneng Shandong Power Co., Ltd.
(21) 2024278540

Shandong Academy of Agricultural Sciences see Huaneng Shandong Power Co., Ltd.
(21) 2024278540

(71) SHANDONG ENERGY GROUP CO., LTD.; SHANDONG UNIVERSITY
(21) 2024278431 **(22)** 16.12.2024
(54) PHYSICAL MODEL TEST SYSTEM FOR SIMULATING STRONG MINE TREMORS BASED ON JOINT MONITORING OF MICROSEISMIC AND ACOUSTIC EMISSION AND TEST METHOD THEREOF

SHANDONG UNIVERSITY see SHANDONG ENERGY GROUP CO., LTD.
(21) 2024278431

(71) Shanghai Epimab Biotherapeutics Co., Ltd.
(21) 2024278367 **(22)** 12.12.2024
(54) ANTIBODIES TO CD3 AND BCMA, AND BISPECIFIC BINDING PROTEINS MADE THEREFROM

(71) SHENZHEN JISU TECHNOLOGY CO., LTD.
(21) 2024278338 **(22)** 12.12.2024

Complete Applications Filed - Name Index cont'd

(54) Portable fan

(71) Société des Produits Nestlé S.A.
(21) 2024278517 (22) 17.12.2024
(54) Compositions and methods using high protein for induction of autophagy

(71) Sony Group Corporation
(21) 2024278433 (22) 16.12.2024
(54) Image processing device and method

(71) Sony Group Corporation
(21) 2024278434 (22) 16.12.2024
(54) Image processing apparatus and method

(71) Southern Research Institute
(21) 2024278376 (22) 13.12.2024
(54) 4'-thio-nucleotide and -nucleoside prod-
rugs for the treatment of cancer

(71) Spogen Biotech Inc.
(21) 2024278320 (22) 11.12.2024
(54) DEVICES, SYSTEMS AND METHODS
FOR AGROCHEMICAL DETECTION
AND AGROCHEMICAL COMPOSI-
TIONS

(71) Spogen Biotech Inc.
(21) 2024278321 (22) 11.12.2024
(54) DEVICES, SYSTEMS AND METHODS
FOR AGROCHEMICAL DETECTION
AND AGROCHEMICAL COMPOSI-
TIONS

(71) SPR Therapeutics, Inc.
(21) 2024278349 (22) 12.12.2024
(54) SYSTEMS AND METHODS RELATED
TO THE TREATMENT OF BACK PAIN

(71) Spruce Biosciences, Inc.
(21) 2024278470 (22) 16.12.2024
(54) Corticotropin releasing factor receptor
antagonists

(71) SRS Medical Systems, LLC
(21) 2024278356 (22) 12.12.2024
(54) URODYNAMIC INVESTIGATION AP-
PARATUS, SYSTEM, & METHODS

(71) Sterlite Technologies Limited
(21) 2024278528 (22) 17.12.2024
(54) OPTICAL FIBER CABLE HAULING
SYSTEM

(71) STM Management Pty Ltd
(21) 2024278375 (22) 13.12.2024
(54) CASE FOR A TABLET SHAPED
DEVICE

(71) Su, C.Z.
(21) 2024278428 (22) 14.12.2024
(54) Riding Wind Umbrella & Hat

(71) Sungrow Power Supply Co., Ltd.
(21) 2024278410 (22) 13.12.2024
(54) Power converter, method for controlling
power converter, and power system

(71) Sungrow Renewables Development
Co. Ltd.
(21) 2024278371 (22) 13.12.2024
(54) Multi-stage energy storage fire-fighting
system

(71) Sydney Cantilever Group Pty Ltd
(21) 2024278318 (22) 11.12.2024
(54) Pergola assemblies

(71) Syngenta Crop Protection AG
(21) 2024278413 (22) 13.12.2024
(54) Methods of controlling or preventing in-
festation of cereal plants by the phyto-
pathogenic microorganism Fusarium
pseudograminearum

(71) Syqe Medical Ltd.
(21) 2024278426 (22) 13.12.2024
(54) Low Dose Therapeutic Treatment

(71) Taiho Pharmaceutical Co., Ltd.
(21) 2024278491 (22) 17.12.2024
(54) METHOD OF TREATING MALIGNANT
TUMOR BY AZABICYCLIC COM-
POUND

(71) TALBOT, A.
(21) 2024278439 (22) 16.12.2024
(54) Apparatus, System and Method of On-
Site Dry Wall Fabrication

(71) TBI Innovations, LLC; Thornhill Re-
search, Inc.
(21) 2024278518 (22) 17.12.2024
(54) Devices and systems to mitigate trau-
matic brain and other injuries caused by
concussive or blast forces

(71) Techtronic Cordless GP
(21) 2024278359 (22) 12.12.2024
(54) Battery-Powered Power Tool

(71) Teva Pharmaceuticals International
GmbH
(21) 2024278554 (22) 18.12.2024
(54) Injection spring for aged prefilled syr-
inge and auto injector

(71) Thales
(21) 2024278288 (22) 11.12.2024
(54) Training and/or assistance platform
for air management via air traffic man-
agement electronic system, associated
method

(71) The Australasian Environmental Law
Enforcement and Regulators neTwork
(AELERT)
(21) 2024278369 (22) 12.12.2024
(54) Modern Regulator Improvement Tool

(71) The Australasian Environmental Law
Enforcement and Regulators neTwork
(AELERT)
(21) 2024278388 (22) 13.12.2024
(54) AELERT REGULATORY OFFICER
CAPABILITY SELF-ASSESSMENT
TOOL (ROCSAT)

(71) The Board of Trustees of the Leland
Stanford Junior University
(21) 2024278535 (22) 18.12.2024
(54) Compositions and methods for muscle
regeneration using prostaglandin E2

(71) The Boeing Company
(21) 2024278500 (22) 17.12.2024
(54) Wake turbulence alert systems and
methods

(71) The Brain Protection Company Pty Ltd
(21) 2024278382 (22) 13.12.2024
(54) Implantable damping devices for treat-
ing dementia and associated systems
and methods of use

**The Hospital for Sick Children see Uni-
versity Health Network**
(21) 2024278472

(71) Theion GmbH
(21) 2024278310 (22) 11.12.2024
(54) Production methods and working prin-
ciple for the pre-expansion of chalco-
genide-based electrodes prior to their
reaction with alkali/alkaline earth metals

(71) The Scripps Research Institute
(21) 2024278546 (22) 18.12.2024
(54) Methods of sample preparation

(71) Thinair Surfaces LLC
(21) 2024278520 (22) 17.12.2024
(54) Support apparatus and method with
shear relief

Thomason, S. see RevAir, LLC
(21) 2024278545

Complete Applications Filed - Name Index cont'd

Thornhill Research, Inc. see TBI Innovations, LLC

(21) 2024278518

(71) Tiziana Life Sciences plc
(21) 2024278457 (22) 16.12.2024
(54) Anti-CD3 antibody formulations

(71) Translate Bio, Inc.
(21) 2024278311 (22) 11.12.2024
(54) Lipid nanoparticle compositions and methods for mRNA delivery

(71) Transportation IP Holdings, LLC
(21) 2024278408 (22) 13.12.2024
(54) VEHICLE INSPECTION SYSTEM AND METHOD

(71) Transportation IP Holdings, LLC
(21) 2024278551 (22) 18.12.2024
(54) THERMAL SENSOR SYSTEM

(71) TRUEVITA NUTRITION PTY LTD
(21) 2024278482 (22) 16.12.2024
(54) NUTRIENT COMPOSITION BENEFICIAL TO HEIGHT GROWTH AND APPLICATION THEREOF

(71) Tucker, S.; Joyce, R.; Jumpstart Fertility Pty Ltd; Marcuccio, S.M.; Dolle, R.; Wathier, M.; Life Biosciences, Inc.
(21) 2024278368 (22) 12.12.2024
(54) AMINO ACID SALTS OF NICOTINIC ACID RIBOSIDES AS ANTI-AGING AGENTS

(71) Ultracore (Penang) Sdn Bhd
(21) 2024278432 (22) 16.12.2024
(54) Coated solder paste stencil and the method of producing thereof

(71) University Health Network; The Hospital for Sick Children
(21) 2024278472 (22) 16.12.2024
(54) Compositions and methods for treating hematologic cancers targeting the SIRPa-CD47 interaction

(71) University of Newcastle upon Tyne
(21) 2024278487 (22) 17.12.2024
(54) Detection of pathological protein aggregation

(71) Valeda Company (d/b/a Q'Straint)
(21) 2024278319 (22) 11.12.2024
(54) Gurney restraint system

(71) VERDANT ROBOTICS, INC.
(21) 2024278312 (22) 11.12.2024
(54) Autonomous agricultural treatment system using map based targetting of agricultural objects

(71) Vermeer Manufacturing Company
(21) 2024278327 (22) 12.12.2024
(54) HDD reamer having removable cutting teeth

(71) VIG AUSTRALIA PTY LTD
(21) 2024278541 (22) 18.12.2024
(54) Window opener single-chain

(71) Volvo Autonomous Solutions AB
(21) 2024278401 (22) 13.12.2024
(54) An arrangement for mounting an emergency braking system to a vehicle

(71) WANG, B.; YANG, Y.
(21) 2024278264 (22) 10.12.2024
(54) Method for Preparing High-Content Phenolic Compounds and Strong Antioxidant Kombucha Beverage Using Dual-Phase Oxygen-Temperature Control Technology

Wathier, M. see Tucker, S.
(21) 2024278368

(71) Watkins-Conti Products, Inc.
(21) 2024278322 (22) 12.12.2024
(54) Intravaginal support devices and methods

(71) WILDBOAR BIKE RACKS PTY LTD
(21) 2024278512 (22) 17.12.2024
(54) BIKE RACK

(71) Wilson 247Solar, Inc
(21) 2024278290 (22) 11.12.2024
(54) MULTI-THERMAL STORAGE UNIT SYSTEMS, FLUID FLOW CONTROL DEVICES, AND LOW PRESSURE SOLAR RECEIVERS FOR SOLAR POWER SYSTEMS, AND RELATED COMPONENTS AND USES THEREOF

(71) Wing Aviation LLC
(21) 2024278458 (22) 16.12.2024
(54) Landing and payload loading structures

(71) Wonderland Switzerland AG
(21) 2024278394 (22) 13.12.2024
(54) CHILD SAFETY SEAT

(71) Wonderland Switzerland AG
(21) 2024278492 (22) 17.12.2024

(54) Playard with Compact Folded Configuration and Storage Latch

(71) Xard Group Pty Ltd
(21) 2024278427 (22) 13.12.2024
(54) SYSTEM AND METHOD FOR SECURE TRANSACTING

YANG, Y. see WANG, B.
(21) 2024278264

(71) Ypsomed AG
(21) 2024278548 (22) 18.12.2024
(54) TDD tracking approaches for insulin delivery systems, methods, and devices

(71) Zhejiang Leapenergy Technology Co. Ltd; Zhejiang Leapmotor Technology Co., Ltd
(21) 2024278351 (22) 12.12.2024
(54) Cooling plate, method for producing cooling plate, and battery pack

(71) Zhejiang LeapEnergy Technology Co. Ltd; Zhejiang Leapmotor Technology Co., Ltd
(21) 2024278494 (22) 17.12.2024
(54) Battery pack and vehicle

Zhejiang Leapmotor Technology Co., Ltd see Zhejiang Leapenergy Technology Co. Ltd
(21) 2024278351

(71) Zhejiang Leapmotor Technology Co., Ltd
(21) 2024278372 (22) 13.12.2024
(54) Support beam assembly for vehicle and vehicle

Zhejiang Leapmotor Technology Co., Ltd see Zhejiang LeapEnergy Technology Co. Ltd
(21) 2024278494

(71) Zhejiang University
(21) 2024278293 (22) 11.12.2024
(54) Use of 1-Methoxyindole for Repelling and/or Killing Pests

(71) ZHENG, V.
(21) 2024278383 (22) 13.12.2024
(54) Underground mining paint applicator

(71) Zimmer, Inc.
(21) 2024278386 (22) 13.12.2024
(54) INDEPENDENTLY IMPLANTABLE SENSORS FOR ORTHOPEDIC IMPLANTS

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(71) Zimmer, Inc.
(21) 2024278488 (22) 17.12.2024
(54) TIBIAL PROSTHESIS WITH DISTAL
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(71) Zogenix International Limited
(21) 2024278543 (22) 18.12.2024
(54) Improvement in cognitive function with
fenfluramine

(71) Zydex Pty Ltd
(21) 2024278352 (22) 12.12.2024
(54) DEVICE AND METHOD FOR MAKING
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2024278271	Light Field Lab, Inc.	2024278344	Alnylam Pharmaceuticals, Inc.
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2024278273	CTXT Pty Limited	2024278346	HONEYWELL INTERNATIONAL INC.
2024278277	CONEX IPR LIMITED	2024278347	Howmet Aerospace Inc.
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2024278447	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2024278511	Huawei Technologies Co., Ltd.
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2024278452	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2024278516	SENSE2 PTY LTD
2024278453	Sealy Technology LLC	2024278517	Société des Produits Nestlé S.A.
2024278454	Sealy Technology LLC	2024278518	TBI Innovations, LLC; Thornhill Research, Inc.
2024278455	Sealy Technology LLC	2024278519	Dolby International AB
2024278456	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2024278520	Thinair Surfaces LLC
2024278457	Tiziana Life Sciences plc	2024278521	Retain Ortho, LLC
2024278458	Wing Aviation LLC	2024278522	Baxter International Inc.; Baxter Healthcare SA
2024278459	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2024278523	Angel Group Co., Ltd.
2024278460	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2024278524	Schneider Electric USA, Inc.
2024278461	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2024278525	CFPH, L.L.C.
2024278462	Abiomed, Inc.	2024278526	Ecolab USA Inc.
2024278463	Nunhems B.V.	2024278527	New-Food Innovation Ltd; King's College London
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2024278470	Spruce Biosciences, Inc.	2024278532	PASMR Technology A Pty Ltd (formerly known as PASMR (AU) Pty Ltd)
		2024278533	Inter-Med, Inc.
		2024278534	Hartford Steam Boiler Inspection and Insurance Company
		2024278535	The Board of Trustees of the Leland Stanford Junior University
		2024278536	LG ELECTRONICS INC.
		2024278538	Amgen Inc.; Kite Pharma, Inc.

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2024278540 Huaneng Shandong Power Co., Ltd.; Huaneng Zhanhua Photovoltaic Power Generation Co., Ltd.; Shandong Academy of Agricultural Sciences; Shandong Academy of Agricultural Machinery Science
2024278541 VIG AUSTRALIA PTY LTD
2024278542 CANARY MEDICAL INC.
2024278543 Zogenix International Limited
2024278544 Endo Ventures Limited
2024278545 RevAir, LLC; Thomason, S.; Cooper, F.; Isaacson, D.
2024278546 The Scripps Research Institute
2024278547 Intuit Inc.
2024278548 Ypsomed AG
2024278549 PUYOUNG IND. CO., LTD.
2024278550 Colgate-Palmolive Company
2024278551 Transportation IP Holdings, LLC
2024278552 Buddi Limited
2024278553 Illinois Tool Works Inc.
2024278554 Teva Pharmaceuticals International GmbH
2024278556 Monsanto Technology LLC
2024278558 American Sterilizer Company
2024278561 Respiratory Motion, Inc.

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

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

The codes next to each number have the following meanings:

Code Meaning

1	Application Lapsed Section 142(2)(a)
3	Application Lapsed Section 142(2)(c)
4	Application Lapsed Section 142(2)(d)
5	Application Lapsed Section 142(2)(e)
6	Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
7	Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
8	Application Lapsed Reg. 3.4(6)
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11	Application Lapsed Section 148(1)(c)
12	Application Withdrawn Section 141(1)
13	Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
14	Patent Ceased Section 143(a), or Expired
15	Patent Ceased Section 143(b)
16	Application Refused
17	Application Lapsed Reg. 22.2B(2)
18	Application Lapsed Reg. 3.2B(3),(5) or (6)
20	Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
21	Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
22	Patent Ceased Section 143A(d), or Expired
23	Patent Ceased Section 143A(e)
24	Application Lapsed Reg. 22.2E(2)
25	Application Lapsed Reg. 22.2I(2)
26	Application Lapsed Reg. 3.5AC(11)
27	Application Lapsed Reg. 3.5AF(2F)
28	Application Lapsed Reg. 22.15A(3)
A	Applications on which examination has not been requested or directed
B	Applications on which a direction to request examination has been given
C	Applications on which examination has been requested or on which an examination report has been issued
D	Applications which have been accepted or advertised accepted
E	Patents on which an examination has not been requested
F	Patents on which an examination has been requested or report issued
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N	Applications not Open to Public Inspection

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2015

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Assignments before Grant, Section 113

2019

2019256534 Ember Technologies, Inc. The application has been assigned to **YETI Coolers, LLC**

2019295764 MIS IP Holdings, LLC The application has been assigned to **TEXOPCO LLC**

2019304526 AiCuris GmbH & Co. KG; Friedrich-Alexander-Universität Erlangen-Nürnberg The application has been assigned to **AiCuris Anti-infective Cures AG; Friedrich-Alexander-Universität Erlangen-Nürnberg**

2019315969 Shanghai Junshi Biosciences Co., Ltd.; Suzhou Junmeng Biosciences Co., Ltd. The application has been assigned to **Shanghai Junshi Biosciences Co., Ltd.**

2019382882 AkvaFresh AS; Marine Harvest ASA The application has been assigned to **MossHydro AS; Marine Harvest ASA**

2019397309 Shanghai Junshi Biosciences Co., Ltd.; Suzhou Junmeng Biosciences Co., Ltd. The application has been assigned to **Shanghai Junshi Biosciences Co., Ltd.**

2020

2020249598 Medigene Immunotherapies GmbH; 2seventy bio, Inc. The application has been assigned to **Regeneron Pharmaceuticals, Inc.; Medigene Immunotherapies GmbH**

Assignments before Grant, Section 113

2020304631 Ember Technologies, Inc. The application has been assigned to **YETI Coolers, LLC**

2020314129 Shanghai Junshi Biosciences Co., Ltd.; Suzhou Junmeng Biosciences Co., Ltd. The application has been assigned to **Shanghai Junshi Biosciences Co., Ltd.**

2020362820 Shanghai Junshi Biosciences Co., Ltd.; Suzhou Junmeng Biosciences Co., Ltd. The application has been assigned to **Shanghai Junshi Biosciences Co., Ltd.**

2020379827 Centauri, LLC The application has been assigned to **KBR Wyle Services, LLC**

2021

2021205508 Quidel Corporation The application has been assigned to **Ortho-Clinical Diagnostics, Inc.**

2021211795 Shanghai Junshi Biosciences Co., Ltd.; Suzhou Junmeng Biosciences Co., Ltd. The application has been assigned to **Shanghai Junshi Biosciences Co., Ltd.**

2021261807 Smilebiotek Guangzhou Limited The application has been assigned to **GUANGZHOU MEDICAL UNIVERSITY; THE SECOND AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY**

2021283838 MIS IP Holdings, LLC The application has been assigned to **TEXOPCO LLC**

2021399257 SYLANS SAGL The application has been assigned to **RUSSO, Giovanna Ester Maria Fidalba**

2021404034 SYLANS SAGL The application has been assigned to **Desmont, Patrick**

2022

2022207020 SHANGHAI JUNSHI BIOSCIENCES CO., LTD.; SUZHOU JUNMENG BIOSCIENCES CO., LTD. The application has been assigned to **Shanghai Junshi Biosciences Co., Ltd.**

2022272575 NANJING CHUANGTE PHARMACEUTICAL TECHNOLOGY CO., LTD The application has been assigned to **JIANGSU CHIA TAI FENGHAI PHARMACEUTICAL CO., LTD.; JIANGSU CHUANGTE PHARMACEUTICAL TECHNOLOGY CO., LTD**

2022380765 ANCRA INTERNATIONAL LLC; WABASH NATIONAL, L.P. The application has been assigned to **ANCRA INTERNATIONAL LLC**

2022413555 MAGNA IMPERIO SYSTEMS CORP. The application has been assigned to **TEXOPCO LLC**

2023

2023241834 CENTAURI, LLC The application has been assigned to **KBR Wyle Services, LLC**

2023259514 JOHNSON CONTROLS TYCO IP HOLDINGS, LLP The application has been assigned to **Tyco Fire & Security GmbH**

Assignments before Grant, Section 113

2024

2024203889 Redmayne, John Michael The application has been assigned to **Hokowhitu IP Limited**

2024227058 Duffy, Rebecca The application has been assigned to **Jashre Group Holdings Pty Ltd**

2024900849 REYNOLDS, RICHARD; MEIER, JONAS; KNIGHT, HENRY The application has been assigned to **Fabrum IP Holdings Limited**

2024900850 MEIER, JONAS; CAUGHLEY, ALAN The application has been assigned to **Fabrum IP Holdings Limited**

2024902894 Meier, Jonas Matthias; Glasson, Neil David; Clauss, Jean Yves The application has been assigned to **Fabrum IP Holdings Limited**

2024903833 New Tech (Wanganui) Limited; Bracen, Philip The application has been assigned to **New Tech (Wanganui) Limited**

Extensions of Time, Section 223

Applications Received

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

2019

2019229788 **Decker, E.** An application to extend the time from 08 Mar 2024 to 08 Dec 2024 in which to pay a continuation fee has been filed . Address for service - Adams Pluck PO Box 905 HORNSBY NSW 2077 AU

2020

2020100763 **Kay, D.; Roman Shower Pty Ltd** An application to extend the time from 17 May 2024 to 17 Dec 2024 in which to pay a renewal fee has been filed . Address for service - Roman Shower Pty Ltd 83 Taunton Drive Cheltenham VIC 3192 AU

2020447274 **Acciona Generación Renovable, S. A.** An application to extend the time from 12 May 2024 to 12 Dec 2024 in which to pay a continuation fee has been filed . Address for service - Wallington-Dummer Suite 1005 Level 10 66 Hunter Street Sydney NSW 2000 AU

2021

2021105823 **Aulright Trading Pty Ltd** An application to extend the time from 18 Aug 2023 to 18 Oct 2024 in which to pay a renewal fee has been filed . Address for service - Ran Tao L 33 ANZ Centre 23-29 Albert St Auckland 1010 NZ

2022

2022338306 **AGNIKUL COSMOS PRIVATE LIMITED** An application to extend the time from 02 Apr 2024 to 02 Oct 2024 in which to enter the National Phase has been filed . Address for service - Dentons Patent Attorneys Australasia Limited 18 Viaduct Harbour Avenue Auckland CBD 1142 NZ

Extensions of Time, Section 223

Applications Allowed - Section 223(2)

2013

2013212538 **Zedelef Pty Ltd** The time in which to pay a renewal fee has been extended to 25 Jun 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017

2017232158 **Waterwerx Technology Pty Ltd** The time in which to pay a renewal fee has been extended to 11 May 2024 . Address for service - MINTER ELLISON Collins Arch 447 Collins St Melbourne VIC 3000 AU

2018

2018363890 **AMG Mineração S.A.** The time in which to gain acceptance has been extended to 21 Dec 2024 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 SYDNEY NSW 1225 AU

2018386714 **Blockchain It Solutions Pty Ltd** The time in which to pay a renewal fee has been extended to 19 Sep 2024 . Address for service - MINTER ELLISON Governor Macquarie Tower 1 Farrer Pl Sydney NSW 2000 AU

2020

2020400826 **Future Fins, LLC** The time in which to request examination has been extended to 17 Dec 2024 . Address for service - McCabe and Company PO Box 24140 WELLINGTON 6142 NZ

2024

2024267090 **Amgen Inc.** The time in which to make a further application for a divisional patent has been extended to 29 Dec 2024 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

Amendments

Applications for Amendment

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

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

2012

2012201288 Novel pharmaceutical composition **Novartis AG** The nature of the amendment is as shown in the statement(s) filed 11 Dec 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2017

2017365639 A maleate salt of the free base of N-[5-(aminosulfonyl)-4-methyl-1,3-thiazol-2-yl]-N-methyl-2-[4-(2-pyridinyl)-phenyl]-acetamide, pharmaceutical formulations, methods of manufacture and uses thereof for the treatment of herpes viruses **AIC316 GmbH** The nature of the amendment is as shown in the statement(s) filed 10 Dec

Amendments

2024 . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

2019

2019275394 Container assemblies for a breast pump **Willow Innovations, Inc.** The nature of the amendment is as shown in the statement(s) filed 12 Dec 2024 . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

2020

2020200767 USE OF CHIMERIC ANTIGEN RECEPTOR-MODIFIED T CELLS TO TREAT CANCER **The Trustees of the University of Pennsylvania** The nature of the amendment is as shown in the statement(s) filed 07 May 2024 . Address for service - Pizzeyes Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2020471536 SCHEDULING RESOURCE MAPPING OF INTER-CELL MULTI TRANSMISSION/RECEPTION POINT OPERATION **ZTE CORPORATION** The nature of the amendment is as shown in the statement(s) filed 05 Dec 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021

2021202942 A maleate salt of the free base of N-[5-(aminosulfonyl)-4-methyl-1,3-thiazol-2-yl]-N-methyl-2-[4-(2-pyridinyl)-phenyl]-acetamide, pharmaceutical formulations, methods of manufacture and uses thereof for the treatment of herpes viruses **AIC316 GmbH** The nature of the amendment is as shown in the statement(s) filed 10 Dec 2024 . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

2021221980 A 5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-2-cyano-3,4-dihydroxytetrahydrofuran derivative as antiviral agent **Gilead Sciences, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Dec 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2021375837 VEHICLE SPEED CALCULATION DEVICE AND VEHICLE SPEED CALCULATION METHOD **HITACHI, LTD.** The nature of the amendment is as shown in the statement(s) filed 11 Dec 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2021385841 GOLD CLUSTERS, COMPOSITIONS, AND METHODS FOR TREATMENT OF CEREBRAL STROKES **SHENZHEN PRO-FOUND VIEW PHARMACEUTICAL TECHNOLOGY CO., LTD.** The nature of the amendment is as shown in the statement(s) filed 05 Dec 2024 . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2022

2022200409 A maleate salt of the free base of N-[5-(aminosulfonyl)-4-methyl-1,3-thiazol-2-yl]-N-methyl-2-[4-(2-pyridinyl)-phenyl]-acetamide, pharmaceutical formulations, methods of manufacture and uses thereof for the treatment of herpes viruses **AIC316 GmbH** The nature of the amendment is as shown in the statement(s) filed 10 Dec 2024 . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

2022200736 Compact Utility Loader **Great Plains Manufacturing, Inc.** The nature of the amendment is as shown in the statement(s)

Amendments

filed 04 Oct 2024 . Address for service - SR Intellectual Property PO Box 46308 Herne Bay Auckland 1147 NZ

2022202819 Antibody-mediated neutralization of Chikungunya virus **Vanderbilt University** The nature of the amendment is as shown in the statement(s) filed 28 Nov 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2022291585 Methods of using a GIP/GLP1 co-agonist for therapy **Eli Lilly and Company** The nature of the amendment is as shown in the statement(s) filed 06 Dec 2024 . Address for service - Davies Collis-on Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2023

2023200773 A maleate salt of the free base of N-[5-(aminosulfonyl)-4-methyl-1,3-thiazol-2-yl]-N-methyl-2-[4-(2-pyridinyl)-phenyl]-acetamide, pharmaceutical formulations, methods of manufacture and uses thereof for the treatment of herpes viruses **AIC316 GmbH** The nature of the amendment is as shown in the statement(s) filed 10 Dec 2024 . Address for service - Davies Collision Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

2023229567 Methods and systems for prompt-based image editing **Canva Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 09 Dec 2024 . Address for service - FB Rice Pty Ltd Level 23, 44 Market Street Sydney NSW 2000 AU

Amendments Made

2006

2006220829 **Pfizer Products Inc.** The nature of the amendment is as shown in the statements filed 31 Jul 2024 and 13 Sep 2024

2016

2016206965 **Children's Medical Center Corporation** The nature of the amendment is as shown in the statement(s) filed 30 Aug 2024

2017

2017268469 **President and Fellows of Harvard College** The nature of the amendment is as shown in the statement filed 23 Sep 2024

2018

2018233159 **PolyActiva Pty Ltd** The nature of the amendment is as shown in the statement filed 12 Sep 2024

2018240380 **Graco Minnesota Inc.** The nature of the amendment is as shown in the statement filed 13 Sep 2024

2018347514 **Illustris Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 13 Sep 2024

2018383657 **Zodiac Pool Systems LLC** The nature of the amendment is as shown in the statement filed 30 Aug 2024

2018431199 **Genesys Cloud Services, Inc.** The nature of the amendment is as shown in the statement filed 16 Sep 2024

Amendments

2019

2019204683 **Piez, R.; Alspec Trading Limited** The nature of the amendment is: To add co-applicant Robert Maxwell Piez

2019208987 **Freia Offshore AB** The nature of the amendment is as shown in the statement filed 20 Sep 2024

2019363719 **Danmarks Tekniske Universitet** The nature of the amendment is as shown in the statement filed 19 Aug 2024

2019401868 **G2GBIO, INC.** The nature of the amendment is as shown in the statement filed 26 Jul 2024

2020

2020412766 **10X Genomics, Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Sep 2024

2021

2021218213 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Sep 2024

2021232606 **StubHub, Inc.** The nature of the amendment is as shown in the statement filed 22 Aug 2024

2021272714 **Bambino Prezioso Switzerland AG** The nature of the amendment is as shown in the statements filed 23 Sep 2024

2021418030 **NEC CORPORATION** The nature of the amendment is as shown in the statement filed 16 Sep 2024

2022

2022204393 **Lishi (Shanghai) Sunshade Technology Co., Ltd** The nature of the amendment is as shown in the statement filed 16 Sep 2024

2022246416 **Syros Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement filed 19 Sep 2024

2022271487 **Divine Logic, Inc.** The nature of the amendment is as shown in the statement filed 13 Sep 2024

2023

2023100062 **Kumiai Chemical Industry Co., Ltd.** The nature of the amendment is as shown in the statement filed 23 May 2024

2023204006 **Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2021286396

2023204006 **Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023200086

Amendments

2023204006 **Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023203178

2023204006 **Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2022215299

2023270525 **BEIJING JINGDONG QIANSHI TECHNOLOGY CO., LTD.** The nature of the amendment is: Amend the invention title to read Male connector, female connector and end effector

2023274398 **CHINA MOBILE COMMUNICATION CO., LTD RE-SEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.** The nature of the amendment is: Amend the invention title to read Method, Device, and Related Equipment for Determining Candidate Pdsch Receiving Occasion

2023280627 **JAXAL INDUSTRIES PTY LTD** The nature of the amendment is as shown in the statement filed 29 Nov 2024

2023283263 **BANDICOOT IMAGING SCIENCES PTY LTD** The nature of the amendment is as shown in the statement(s) filed 26 Nov 2024

2023298982 **NIPPON STEEL CORPORATION; VALLOUREC OIL AND GAS FRANCE** The nature of the amendment is: Amend the invention title to read Oil-Well Metal Pipe

2023318447 **HILTI AKTIENGESSELLSCHAFT** The nature of the amendment is: Amend the invention title to read Modular system for producing and sealing a line feedthrough

2024

2024200474 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023201205

2024201158 **NEUTRON HOLDINGS, INC.** The nature of the amendment is: To add convention application details 18/582,366 20 Feb 2024 US

2024267028 **Metso Metals Oy** The nature of the amendment is as shown in the statement filed 29 Nov 2024

2024267062 **BLUVEIN INNOVATION PTY. LTD.** The nature of the amendment is: Application is to proceed under the number 2024100050

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

2009

2009266631 **Legochem Biosciences, Inc.** The name of the patentee has been altered to **LigaChem Biosciences Inc.**

Amendments

2009297294 **Legochem Biosciences, Inc.** The name of the patentee has been altered to **LigaChem Biosciences Inc.**

2014

2014400894 **Green Cross Corporation; Legochem Biosciences, Inc.** The name of the patentee has been altered to **Green Cross Corporation; LigaChem Biosciences Inc.**

2018

2018270685 **Legochem Biosciences, Inc.** The name of the patentee has been altered to **LigaChem Biosciences Inc.**

2021

2021266721 **DrugCendR Australia Pty Ltd.** The name of the applicant has been altered to **Lisata Therapeutics Australia Pty Ltd.**

2021277776 **BioNTech SE; TRON-Translational Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gGmbH** The name of the applicant has been altered to **BioNTech SE; TRON-Translational Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH**

2022

2022227642 **SOTER BIOPHARMA PTE. LTD.** The name of the patentee has been altered to **CMS RESEARCH & DEVELOPMENT PTE. LTD.**

2022250810 **Legochem Biosciences, Inc.; NONA BIOSCIENCES (SUZHOU) CO., LTD.** The name of the applicant has been altered to **LigaChem Biosciences Inc.; NONA BIOSCIENCES (SUZHOU) CO., LTD.**

2023

2023222963 **KOREA ZINC CO.,L TD.** The name of the patentee has been altered to **KOREA ZINC CO., LTD.**

2023259233 **TWIGITAL LLC** The name of the applicant has been altered to **Twigital, Inc.**

2023275534 **INHALON BIOPHARMA, INC.** The name of the applicant has been altered to **INHALON BIOPHARMA, INC.; The University of North Carolina at Chapel Hill**

2023282557 **CROP.ZONE GMBH** The name of the applicant has been altered to **crop.zone GmbH**

2023283598 **CROP.ZONE GMBH** The name of the applicant has been altered to **crop.zone GmbH**

2023283726 **SERVER TECHNOLOGY, INC.** The name of the applicant has been altered to **LEGRAND DPC, LLC**

2024

2024227248 **Forty Seven, Inc. ; The Board of Trustees of The Leland Stanford Junior University** The name of the applicant has been altered to **Forty Seven, LLC; The Board of Trustees of The Leland Stanford Junior University**

2024278351 **Zhejiang Leapenergy Technology Co. Ltd ; Zhejiang Leapmotor Technology Co., Ltd** The name of the applicant has been

Amendments

altered to **Zhejiang Leapenergy Technology Co., Ltd.; Zhejiang Leapmotor Technology Co., Ltd**

Notice of Intention to Amend under Section 105 pursuant to the Federal Court Rules

Australian Patent/Patent Application 2024100006 in the name(s) of Janssen Biotech, Inc.

Australian Patent/Patent Application 2024100007 in the name(s) of Janssen Biotech, Inc.

Australian Patent/Patent Application 2024100016 in the name(s) of Janssen Biotech, Inc.

Applications Open to Public Inspection

Name Index

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

(71) Accelerated Filtration, Inc. (11) AU-A-2024278262 (21) 2024278262 (22) 10.12.2024 (54) FILTER SCREEN (51) Int. Cl. B01D 21/00 (2006.01) B01D 21/26 (2006.01) B01D 69/02 (2006.01) B04C 9/00 (2006.01) C02F 1/00 (2023.01) (43) 02.01.2025 (62) 2019312125 (72) Shrivastava, Abhishek; Burr, Scott T.; Soni, Piyush; Dietsche, Laura J.; Ramalingam, Santhosh K. (74) PHILLIPS ORMONDE FITZPATRICK	(71) Accora Limited (11) AU-A-2024203819 (21) 2024203819 (22) 06.06.2024 (54) ADJUSTABLE CHAIR ARM (51) Int. Cl. A47C 1/03 (2006.01) A47C 7/54 (2006.01) A47C 7/62 (2006.01) (31) 2308630.9 (32) 09.06.23 (33) GB (43) 02.01.2025 (72) Marsh, Fred (74) Murray Trento & Associates Pty Ltd	(71) Adocia (11) AU-A-2024278135 (21) 2024278135 (22) 04.12.2024 (54) Compositions In The Form Of An In- jectable Aqueous Solution Comprising Amylin, An Amylin Receptor Agonist Or An Amylin Analog And A Copolyamino Acid (51) Int. Cl. A61K 47/34 (2017.01) A61K 9/08 (2006.01) A61K 38/22 (2006.01) A61P 3/10 (2006.01) C08G 69/10 (2006.01) (43) 02.01.2025 (62) 2018380901 (72) CHAN, You-Ping; GEISLER, Alex- andre; NOEL, Romain; CHARVET, Richard; LAURENT, Nicolas (74) WRAYS PTY LTD	(71) Alexion Pharmaceuticals, Inc. (11) AU-A-2024266818 (21) 2024266818 (22) 22.11.2024 (54) Dosage and administration of anti-C5 antibodies for treatment of atypical hemolytic uremic syndrome (aHUS) (51) Int. Cl. C07K 16/18 (2006.01)
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A61P 7/00 (2006.01) C07K 16/28 (2006.01) C07K 16/40 (2006.01) C07K 16/46 (2006.01) (43) 02.01.2025 (62) 2020213121 (72) Payton, Lori; Mix, Christian; Pradhan, Rajendra; Damokosh, Andrew; Swen- son, Eugene Scott; Gao, Xiang (74) PHILLIPS ORMONDE FITZPATRICK	(71) Allergan, Inc. (11) AU-A-2024278276 (21) 2024278276 (22) 10.12.2024 (54) Hyaluronic acid/collagen-based dermal filler compositions and methods for making same (51) Int. Cl. C08B 37/00 (2006.01) A61K 8/65 (2006.01) A61K 8/73 (2006.01) A61K 9/00 (2006.01) A61L 27/52 (2006.01) C08H 1/00 (2006.01) C08L 5/08 (2006.01) C08L 89/00 (2006.01) (43) 02.01.2025 (62) 2022256160 (72) Pollock, Jacob F.; Yu, Xiaojie; Manesis, Nicholas J. (74) Davies Collision Cave Pty Ltd	(71) Amgen Inc. (11) AU-A-2024278151 (21) 2024278151 (22) 05.12.2024 (54) Total afucosylated glycoforms of anti- bodies produced in cell culture (51) Int. Cl. C12P 21/00 (2006.01) C07K 16/00 (2006.01) C12N 5/00 (2006.01) C12P 21/02 (2006.01) (43) 02.01.2025 (62) 2019243848 (72) BHEBE, Prince; JERUMS, Matthew; LIU, Irene; KUNAS, Kurt (74) Spruson & Ferguson	(71) Anduril Industries, Inc. (11) AU-A-2024278110 (21) 2024278110 (22) 04.12.2024 (54) AERIAL VEHICLES WITH DEPLOY- ABLE COMPONENTS (51) Int. Cl. B64C 3/56 (2006.01) (43) 02.01.2025 (62) 2022211805 (72) Alley, Nicholas Robert; Steele, Joshua Lemming; Williams, Jesse Owen;
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Kuehme, Daniel; Phillips, Jonathan Caleb (74) Intelpro Patent & Trade Mark Attor- neys	(71) Angel Group Co., Ltd. (11) AU-A-2024278137 (21) 2024278137 (22) 04.12.2024 (54) FRAUD DETECTION SYSTEM IN CASINO (51) Int. Cl. G07C 11/00 (2006.01) A47B 25/00 (2006.01) G06T 7/00 (2017.01) (43) 02.01.2025 (62) 2023248182 (72) Shigeta, Yasushi (74) Pizzeys Patent and Trade Mark Attor- neys Pty Ltd	(71) Angel Group Co., Ltd. (11) AU-A-2024278153 (21) 2024278153 (22) 05.12.2024 (54) Double chip tray, chip tray, and game management system (51) Int. Cl. A63F 11/00 (2006.01) (43) 02.01.2025 (62) 2022283750 (72) Shigeta, Yasushi (74) Davies Collision Cave Pty Ltd	(71) Angel Group Co., Ltd. (11) AU-A-2024278167 (21) 2024278167 (22) 05.12.2024 (54) Inspection system and management system (51) Int. Cl. A63F 3/00 (2006.01) A63F 9/24 (2006.01) G06K 19/04 (2006.01) G07D 5/00 (2006.01) (43) 02.01.2025 (62) 2023200272 (72) SHIGETA, Yasushi (74) Davies Collision Cave Pty Ltd	(71) Angel Group Co., Ltd. (11) AU-A-2024278204 (21) 2024278204 (22) 08.12.2024 (54) FRAUD DETECTION SYSTEM IN CASINO (51) Int. Cl. G07C 11/00 (2006.01) A47B 25/00 (2006.01) G06T 7/00 (2017.01)
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Applications Open to Public Inspection - Name Index cont'd

(43) 02.01.2025
(62) 2023248182
(72) Shigeta, Yasushi
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.
(11) AU-A-2024278205
(21) 2024278205 (22) 08.12.2024
(54) FRAUD DETECTION SYSTEM IN CASINO
(51) Int. Cl.
G07C 11/00 (2006.01)
A47B 25/00 (2006.01)
G06T 7/00 (2017.01)

(43) 02.01.2025
(62) 2023248182
(72) Shigeta, Yasushi
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.
(11) AU-A-2024278212
(21) 2024278212 (22) 09.12.2024
(54) Fraudulence monitoring system of table game and fraudulence monitoring program of table game
(51) Int. Cl.
G07F 17/32 (2006.01)
(43) 02.01.2025
(62) 2022268304
(72) Shigeta, Yasushi
(74) Davies Collision Cave Pty Ltd

(71) Ascendis Pharma Bone Diseases A/S
(11) AU-A-2024259658
(21) 2024259658 (22) 31.10.2024
(54) Dosage regimen for a controlled-release PTH compound
(51) Int. Cl.
A61K 38/29 (2006.01)
A61K 9/00 (2006.01)
A61K 9/16 (2006.01)
A61K 47/34 (2017.01)

(43) 02.01.2025
(62) 2017336249
(72) Holten-Andersen, Lars; Sprogøe, Kenneth; Karpf, David Brian
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Ascendis Pharma Bone Diseases A/S
(11) AU-A-2024270632
(21) 2024270632 (22) 03.12.2024
(54) Incremental dose finding in controlled-release PTH compounds
(51) Int. Cl.
A61K 47/50 (2017.01)
A61K 47/60 (2017.01)
A61P 5/00 (2006.01)
A61P 5/18 (2006.01)
A61P 7/00 (2006.01)
A61P 7/08 (2006.01)
A61P 19/00 (2006.01)
A61P 19/02 (2006.01)
A61P 19/08 (2006.01)
A61P 19/10 (2006.01)

A61P 43/00 (2006.01)
(43) 02.01.2025
(62) 2023202402
(72) Karpf, David Brian; Sprogøe, Kenneth; Holten-Andersen, Lars
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Ascendis Pharma Bone Diseases A/S
(11) AU-A-2024278156
(21) 2024278156 (22) 05.12.2024
(54) Starting dose of PTH conjugates
(51) Int. Cl.
A61K 38/29 (2006.01)
A61K 47/60 (2017.01)
A61P 5/18 (2006.01)
(43) 02.01.2025
(62) 2019270464
(72) SPROGØE, Kenneth; KARPf, David Brian; STRANGE, Claus
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Ascendis Pharma Growth Disorders A/S
(11) AU-A-2024278289
(21) 2024278289 (22) 11.12.2024
(54) CNP PRODRUGS WITH CARRIER ATTACHMENT AT THE RING MOIETY
(51) Int. Cl.
A61K 47/60 (2017.01)
A61P 19/08 (2006.01)
(43) 02.01.2025
(62) 2023210599
(72) Rau, Harald; Hersel, Ulrich; Cleemann, Felix; Rasmussen, Caroline Elisabeth
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) ASPIRING MATERIALS LIMITED
(11) AU-A-2024278207
(21) 2024278207 (22) 08.12.2024
(54) Magnesium Silicate Processing
(51) Int. Cl.
C25B 1/20 (2006.01)
C01B 33/187 (2006.01)
C01F 5/08 (2006.01)
C04B 9/11 (2006.01)
C04B 28/24 (2006.01)
C22B 3/06 (2006.01)
(43) 02.01.2025
(62) 2021229168
(72) SCOTT, Allan Charles Nye; OZE, Christopher John-Paul
(74) CreatelP

(71) Astrauskas, G.
(11) AU-A-2023285999
(21) 2023285999 (22) 22.12.2023
(54) Suspended Tie Down Setup for Utility Vehicle Cargo Bays.
(51) Int. Cl.
B60P 7/08 (2006.01)
B60P 7/10 (2006.01)
B60R 5/00 (2006.01)
B60R 7/02 (2006.01)
(31) 2023901820 (32) 08.06.23 (33) AU

(43) 02.01.2025
(72) Astrauskas, Graeme
(74) Graeme Astrauskas

(71) Atossa Therapeutics, Inc.
(11) AU-A-2024278243
(21) 2024278243 (22) 10.12.2024
(54) METHODS FOR MAKING AND USING ENDOXIFEN
(51) Int. Cl.
C07C 217/54 (2006.01)
A61K 31/138 (2006.01)
A61P 35/00 (2006.01)
C07C 217/18 (2006.01)
(43) 02.01.2025
(62) 2023200013
(72) QUAY, Steven C.; SUN, YaoLin; WANG, LungHu; WU, ChangJung; HUANG, ChuanDer
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) AZL Holdings Pty Ltd; Start Smart Investments Pty Ltd
(11) AU-A-2024203845
(21) 2024203845 (22) 06.06.2024
(54) Edge protection system
(51) Int. Cl.
E04G 21/32 (2006.01)
E04G 5/14 (2006.01)
(31) 2023901798 (32) 07.06.23 (33) AU
(43) 02.01.2025
(72) YU, Xing
(74) FB Rice Pty Ltd

(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
(11) AU-A-2024278175
(21) 2024278175 (22) 06.12.2024
(54) Image data encoding/decoding method and apparatus
(51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/103 (2014.01)
H04N 19/11 (2014.01)
H04N 19/119 (2014.01)
H04N 19/124 (2014.01)
H04N 19/129 (2014.01)
H04N 19/13 (2014.01)
H04N 19/134 (2014.01)
H04N 19/176 (2014.01)
H04N 19/51 (2014.01)
(43) 02.01.2025
(62) 2023258327
(72) KIM, Ki Baek
(74) FB Rice Pty Ltd

(71) Basile, R.
(11) AU-A-2024203653
(21) 2024203653 (22) 30.05.2024
(54) Easy Fit Fitted Bed Sheet
(51) Int. Cl.
C01B 3/26 (2006.01)
B01J 10/00 (2006.01)
B01J 21/00 (2006.01)
B01J 21/18 (2006.01)
B01J 23/14 (2006.01)

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B01J 35/27 (2024.01)
C01B 3/24 (2006.01)
C01B 3/40 (2006.01)
C01B 32/158 (2017.01)
C01B 32/182 (2017.01)
(31) 18/330,630 **(32)** 07.06.23 **(33)** US
(43) 02.01.2025
(72) Basile, Rosaria
(74) Ashutosh Choudhary

(71) Battelle Memorial Institute
(11) AU-A-2024278301
(21) 2024278301 **(22)** 11.12.2024
(54) PORTABLE AND WEARABLE HAND-GRASP NEURO-ORTHOSIS
(51) Int. Cl.
A61N 1/04 (2006.01)
A61B 5/256 (2021.01)
A61B 5/296 (2021.01)
A61B 5/389 (2021.01)
A61H 3/04 (2006.01)
A61N 1/36 (2006.01)
(43) 02.01.2025
(62) 2021283972
(72) FRIEDENBERG, David; SHARMA, Gaurav; COLACHIS, Samuel; ANNETTA, Nicholas; NOONAN, Amanda
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Bayer New Zealand Limited
(11) AU-A-2024278169
(21) 2024278169 **(22)** 06.12.2024
(54) Controlled Release Compositions and their Methods of Use
(51) Int. Cl.
A61K 47/44 (2017.01)
A61K 47/02 (2006.01)
A61P 31/00 (2006.01)
(43) 02.01.2025
(62) 2021201165
(72) Alawi, Fadil Al; Bork, Olaf; Tucker, Ian George
(74) James & Wells Intellectual Property

(71) Beams
(11) AU-A-2024203926
(21) 2024203926 **(22)** 08.06.2024
(54) SYSTEMS FOR INTRAOPERATIVE COLLECTION AND ANALYSIS OF BIOLOGICAL TISSUE
(51) Int. Cl.
A61B 17/3205 (2006.01)
A61B 5/00 (2006.01)
A61B 10/02 (2006.01)
A61B 18/14 (2006.01)
A61B 90/00 (2016.01)
(31) 2305857 **(32)** 09.06.23 **(33)** FR
(43) 02.01.2025
(72) Menard, Laurent; Boyer, Bruno; Palfi, Stéphane; Simon, Virginie; Villedieu De Torcy, Estelle
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) BELL, P.
(11) AU-A-2023203589

(21) 2023203589 **(22)** 08.06.2023
(54) OIL REMOVAL ASSEMBLY
(51) Int. Cl.
A47J 37/12 (2006.01)
B67D 7/02 (2010.01)
B67D 7/38 (2010.01)
B67D 7/62 (2010.01)
B67D 7/78 (2010.01)
B67D 7/84 (2010.01)
(43) 02.01.2025
(72) BELL, Peter
(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

(71) Black Belt Therapeutics Limited
(11) AU-A-2024259884
(21) 2024259884 **(22)** 11.11.2024
(54) CD38 modulating antibody
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)

(43) 02.01.2025
(62) 2018280868
(72) MERCHIER, Pascal; GOUBIER, Anne; MOULDER, Kevin; EISSLER, Nina; SALIMU, Josephine; FILOSTO, Simone; GOYENECHEA CORZO, Beatriz; BARUAH, Hemanta; PRINZ, Bionka
(74) FB Rice Pty Ltd

(71) BONNYC PTY LTD
(11) AU-A-2023203568
(21) 2023203568 **(22)** 07.06.2023
(54) DEVICE FOR MOISTENING WIPE S
(51) Int. Cl.
A47K 10/32 (2006.01)
(43) 02.01.2025
(72) CUZZUPI, TYLA RAE; DYSON, LINDA
(74) mdp Patent and Trade Mark Attorneys

(71) BRIGHT DAIRY & FOOD CO., LTD
(11) AU-A-2023324639
(21) 2023324639 **(22)** 19.07.2023
(54) A Lactiplantibacillus plantarum strain, uses and dairy products thereof
(51) Int. Cl.
A23C 9/12 (2006.01)
A23C 9/123 (2006.01)
A23C 9/127 (2006.01)
A23L 9/10 (2016.01)
(31) 202310676181.9 **(32)** 08.06.23 **(33)** CN
202310676176.8 08.06.23 CN
(43) 02.01.2025
(72) HAN, Jin; LIU, Zhenmin; WU, Zhengjun; HUANG, Xiaoyu
(74) Madderms Pty Ltd

(71) Brother Kogyo Kabushiki Kaisha
(11) AU-A-2024278138
(21) 2024278138 **(22)** 05.12.2024
(54) DRUM CARTRIDGE AND DEVELOPING CARTRIDGE
(51) Int. Cl.
G03G 15/08 (2006.01)
G03G 21/16 (2006.01)

G03G 21/18 (2006.01)
(43) 02.01.2025
(62) 2023200542
(72) Itabashi, Nao
(74) PHILLIPS ORMONDE FITZPATRICK

(71) BTL Healthcare Technologies a.s.
(11) AU-A-2024278152
(21) 2024278152 **(22)** 05.12.2024
(54) Device and method for unattended treatment of a patient
(51) Int. Cl.
A61N 5/06 (2006.01)
A61B 18/12 (2006.01)
A61B 18/20 (2006.01)
A61N 1/18 (2006.01)
A61N 7/00 (2006.01)
(43) 02.01.2025
(62) 2023203099
(72) SCHWARZ, Tomás; JELÍNKOVÁ, Lucia
(74) Davies Collison Cave Pty Ltd

(71) Cancer Therapeutics Laboratories, Inc.
(11) AU-A-2024259793
(21) 2024259793 **(22)** 07.11.2024
(54) Humanized anti-nuclear antibodies for targeting necrosis in cancer therapy
(51) Int. Cl.
C07K 16/30 (2006.01)
A61K 39/00 (2006.01)
C07K 16/44 (2006.01)
(43) 02.01.2025
(62) 2018237046
(72) Epstein, Alan; Hu, Peisheng
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Caroma Industries Limited; micas AG
(11) AU-A-2024278260
(21) 2024278260 **(22)** 10.12.2024
(54) Water flow management system
(51) Int. Cl.
G05D 7/06 (2006.01)
G01F 1/36 (2006.01)
G01F 1/50 (2006.01)
G05B 19/4093 (2006.01)
(43) 02.01.2025
(62) 2019302564
(72) CUMMINGS, Steve; FRITZSCHE, Michael; EBERT, Mark; MUSIC, Dragan
(74) Spruson & Ferguson

(71) CATERPILLAR INC.
(11) AU-A-2024203484
(21) 2024203484 **(22)** 24.05.2024
(54) LIFTING EYES FOR COUNTER-WEIGHTS
(51) Int. Cl.
B66C 23/74 (2006.01)
B23K 10/00 (2006.01)
B23K 26/50 (2014.01)
B24C 1/00 (2006.01)
B26D 3/02 (2006.01)
B26D 3/10 (2006.01)
B26F 1/38 (2006.01)
B66C 23/36 (2006.01)
E02F 9/18 (2006.01)

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(31) 18/331987 (32) 09.06.23 (33) US
(43) 02.01.2025
(72) TABUTIN, Simon; LAWSON, Sean D.
(74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.
(11) AU-A-2024278187
(21) 2024278187 (22) 06.12.2024
(54) Radial and axial interface between conductor rod and work machine
(51) Int. Cl.
H01R 25/14 (2006.01)
B60L 5/24 (2006.01)
B60M 7/00 (2006.01)
H01R 24/38 (2011.01)

(43) 02.01.2025
(62) 2022396409
(72) STRASHNY, Igor
(74) FPA Patent Attorneys Pty Ltd

(71) Caterpillar Underground Mining Pty. Ltd.
(11) AU-A-2024203300
(21) 2024203300 (22) 17.05.2024
(54) SYSTEM FOR DETERMINING POSITION OF SERVICE PIN WITHIN PIN-HOLE OF WORK MACHINES
(51) Int. Cl.
E02F 3/38 (2006.01)
E02F 9/26 (2006.01)

(31) 18/332783 (32) 12.06.23 (33) US
(43) 02.01.2025
(72) KONNAKKODAN, Faheem Mohammed; ALBERS, Riley Aaron; HANSEN, Matthew Thomas; WORTH, David Michael
(74) FPA Patent Attorneys Pty Ltd

(71) Cavion, Inc.
(11) AU-A-2024278171
(21) 2024278171 (22) 06.12.2024
(54) Treating essential tremor using (R)-2-(4-Isopropylphenyl)-N-(1-(5-(2,2,2-Trifluoroethoxy)pyridin-2-yl)ethyl)acetamide
(51) Int. Cl.
A61K 9/14 (2006.01)
A61K 9/16 (2006.01)
A61K 9/48 (2006.01)

(43) 02.01.2025
(62) 2019355021
(72) LEE, Margaret S.; PAPAPETROPOULOS, Spyridon; HIGGIN, Michelle S.; DUVVURI, Muralikrishna; REHLAENDER, Bruce N.; NEWBOLD, Evan
(74) Davies Collison Cave Pty Ltd

(71) CCC Information Services
(11) AU-A-2024278122
(21) 2024278122 (22) 04.12.2024
(54) Driver assist design analysis system
(51) Int. Cl.
B60W 40/10 (2012.01)
(43) 02.01.2025
(62) 2018204704
(72) FREEDMAN, Marc
(74) FB Rice Pty Ltd

(71) CHERTOFF GROUP, LLC
(11) AU-A-2024278235
(21) 2024278235 (22) 10.12.2024
(54) TRANSPORTATION SECURITY
(51) Int. Cl.
G01V 5/00 (2006.01)
(43) 02.01.2025
(62) 2019290636
(72) KAIR, Lee; WATERS, Bennet
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) Chr. Hansen HMO GmbH
(11) AU-A-2024278162
(21) 2024278162 (22) 05.12.2024
(54) Spray-dried tetrasaccharides
(51) Int. Cl.
A23P 10/40 (2016.01)
A23L 33/00 (2016.01)
A23L 33/10 (2016.01)
A23L 33/125 (2016.01)
A23P 30/00 (2016.01)
C07H 1/06 (2006.01)
C07H 3/06 (2006.01)
(43) 02.01.2025
(62) 2018380960
(72) JENNEWEIN, Stefan
(74) Davies Collison Cave Pty Ltd

(71) Commonwealth Scientific and Industrial Research Organisation
(11) AU-A-2024278130
(21) 2024278130 (22) 04.12.2024
(54) Methods
(51) Int. Cl.
A23K 10/16 (2016.01)
A23K 20/105 (2016.01)
A23K 50/10 (2016.01)
C12N 1/18 (2006.01)
C12N 1/20 (2006.01)
C12N 9/08 (2006.01)
C12N 15/70 (2006.01)
C12N 15/81 (2006.01)
C12N 15/82 (2006.01)
C12P 5/02 (2006.01)
(43) 02.01.2025
(62) 2024204180
(72) AYLIFFE, Michael Anthony; LOAN, Thomas David; LUO, Ming
(74) FB Rice Pty Ltd

(71) COMPOSITE TECHNOLOGY R & D PTY LIMITED
(11) AU-A-2024278168
(21) 2024278168 (22) 05.12.2024
(54) ADDITIVELY MANUFACTURED METAL CASINGS
(51) Int. Cl.
F42B 12/08 (2006.01)
B05B 7/14 (2006.01)
B05B 13/02 (2006.01)
B22F 12/00 (2021.01)
B33Y 80/00 (2015.01)
C23C 24/04 (2006.01)
F42B 12/20 (2006.01)
F42B 12/76 (2006.01)

F42B 25/00 (2006.01)
(43) 02.01.2025
(62) 2022287496
(72) LANG, Jeffrey; KHOURI, Anthony J
(74) Adams Pluck

(71) CONEX IPR LIMITED
(11) AU-A-2024278277
(21) 2024278277 (22) 10.12.2024
(54) Tube Cutter For Cutting A Round Tube And Method For Cutting A Round Tube To Length
(51) Int. Cl.
B26D 1/157 (2006.01)
B21D 17/04 (2006.01)
B23D 21/00 (2006.01)
B23D 21/04 (2006.01)
B23D 21/08 (2006.01)
B26D 3/16 (2006.01)
B26D 7/00 (2006.01)
B26D 7/06 (2006.01)
B26D 7/27 (2006.01)
B26D 7/01 (2006.01)

(43) 02.01.2025
(62) 2021444699
(72) GLAZE, Alan; KLINSKI, Grzegorz; LEIGH, Richard; SALEHI-BAKHTIARI, Manouchehr
(74) WRAYS PTY LTD

(71) Conomos, P.
(11) AU-A-2024278279
(21) 2024278279 (22) 10.12.2024
(54) BAG FILLING MACHINE
(51) Int. Cl.
B65B 1/04 (2006.01)
B65G 65/06 (2006.01)
(43) 02.01.2025
(62) 2023219980
(72) Conomos, Peter
(74) TJIP Patents, Trade Marks & Designs

(71) CONTI VALERIO - S.R.L.
(11) AU-A-2024203564
(21) 2024203564 (22) 28.05.2024
(54) Coffee grinder equipped with means for adjusting and displaying the distance between the blades
(51) Int. Cl.
A47J 42/28 (2006.01)
(31) 202023000002385 (32) 06.06.23 (33) IT
(43) 02.01.2025
(72) FIORANI, Maurizio
(74) FB Rice Pty Ltd

(71) CTXT Pty Limited
(11) AU-A-2024278273
(21) 2024278273 (22) 10.12.2024
(54) Compounds
(51) Int. Cl.
C07D 413/04 (2006.01)
A61K 31/423 (2006.01)
A61P 35/00 (2006.01)
C07D 261/20 (2006.01)
C07D 413/12 (2006.01)
C07D 417/12 (2006.01)

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(62) 2019289888
(72) STUPPLE, Paul Anthony; LAGIAKOS, Helen Rachel; MORROW, Benjamin Joseph; FOITZIK, Richard Charles; HEMLEY, Catherine Fae; CAMERINO, Michelle Ang; BOZIKIS, Ylva Elisabet Bergman; WALKER, Scott Raymond
(74) Davies Collison Cave Pty Ltd
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- (71) DAI, A.
(11) AU-A-2024278126
(21) 2024278126 (22) 04.12.2024
(54) METHOD FOR DIRECTLY PRODUCING LITHIUM CARBONATE AND REDUCING SULPHATE RADICAL CONTENT FROM LITHIUM SULFATE AND SODIUM (POTASSIUM) CARBONATE
(51) Int. Cl.
C01D 15/08 (2006.01)
(43) 02.01.2025
(62) 2023200635
(72) WANG, Qingsheng
(74) WRAYS PTY LTD
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- (71) Davis, D.
(11) AU-A-2024203837
(21) 2024203837 (22) 06.06.2024
(54) Cooking Device
(51) Int. Cl.
A47J 37/07 (2006.01)
(31) 2308412.2 (32) 06.06.23 (33) GB
(43) 02.01.2025
(72) Davis, David
(74) Walker IP
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- (71) DEB IP LIMITED
(11) AU-A-2024278198
(21) 2024278198 (22) 06.12.2024
(54) Dispenser system
(51) Int. Cl.
A47K 5/12 (2006.01)
(43) 02.01.2025
(62) 2022359013
(72) BUTLER, Robert
(74) GLMR
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- (71) DEKA Products Limited Partnership
(11) AU-A-2024278181
(21) 2024278181 (22) 06.12.2024
(54) Fluid pumping and bioreactor system
(51) Int. Cl.
C12M 3/00 (2006.01)
C12M 1/00 (2006.01)
(43) 02.01.2025
(62) 2023203295
(72) KAMEN, Dean; DEMERS, Jason A.; MORGAN, Frederick; MOREAU, Timothy D.; TRACEY, Brian D.; WARE, Matthew; VAN DER MERWE, Dirk A.; LANIGAN, Richard J.; BAKER, Michael A.; BLUMBERG Jr., David
(74) HENRY HUGHES IP LTD
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- (71) Dexcom, Inc.
(11) AU-A-2024278143
- (21) 2024278143 (22) 05.12.2024
(54) System and method for providing alerts optimized for a user
(51) Int. Cl.
A61B 5/145 (2006.01)
A61B 5/00 (2006.01)
A61M 5/142 (2006.01)
A61M 5/172 (2006.01)
(43) 02.01.2025
(62) 2022256146
(72) DAVIS, Anna Leigh; BELLIVEAU, Scott M.; BHAVARAJU, Naresh C.; BOWMAN, Leif N.; CASTILLO, Rita M.; CONSTANTIN, Alexandra Elena; DRAEGER, Rian; DUNN, Laura J.; GABLE, Gary Brian; GARCIA, Arturo; HALL, Thomas; HAMPAPURAM, Hari; HANNEMANN, Christopher Robert; HARLEY-TROCHIMCZYK, Anna Claire; HEINTZMAN, Nathaniel David; JACKSON, Andrea J.; JEPSON, Lauren Hruby; KAMATH, Apurv Ullas; KOEHLER, Katherine Yerre; MANDAPAKA, Aditya; MARSH, Samuel Jere; MORRIS, Gary A.; PAL, Subrai Girish; PAL, Andrew Attila; POLYTARIDIS, Nicholas; PUPA, Philip Thomas; REIHMAN, Eli; RINDFLEISCH, Ashley Anne; SCHUNK, Sofie Wells; SIMPSON, Peter C.; SMITH, Daniel; VANSLYKE, Stephen J.; VOGEL, Matthew T.; WALKER, Tomas C.; WEST, Benjamin Elrod; WILEY, Atim Joseph
(74) FB Rice Pty Ltd
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- (71) Dexcom, Inc.
(11) AU-A-2024278145
(21) 2024278145 (22) 05.12.2024
(54) System and method for factory calibration or reduced calibration of an indwelling sensor based on sensitivity profile
(51) Int. Cl.
A61B 5/1495 (2006.01)
A61B 5/145 (2006.01)
A61B 5/1459 (2006.01)
G01N 1/28 (2006.01)
(43) 02.01.2025
(62) 2022204412
(72) MA, Rui; BHAVARAJU, Naresh C.; HAMILTON, Thomas Stuart; HUGHES, Jonathan; JACKSON, Jeff; LEE, David I-chun; SIMPSON, Peter C.; VANSLYKE, Stephen J.
(74) FB Rice Pty Ltd
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- (71) Dolby International AB
(11) AU-A-2024278139
(21) 2024278139 (22) 05.12.2024
(54) Pitch Filter for Audio Signals and Method for Filtering an Audio Signal with a Pitch Filter
(51) Int. Cl.
G10L 19/02 (2013.01)
G10L 19/26 (2013.01)
G10L 19/107 (2013.01)
G10L 19/20 (2013.01)
- (43) 02.01.2025
(62) 2024204440
(72) RESCH, Barbara; KJORLING, Kristofer; VILLEMOES, Lars
(74) Chrysiliou IP
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- (71) Drill-Bourn Pty Ltd
(11) AU-A-2024278287
(21) 2024278287 (22) 11.12.2024
(54) Drill-Bourn Pty Ltd
(51) Int. Cl.
F16M 11/16 (2006.01)
B66F 3/30 (2006.01)
B66F 17/00 (2006.01)
F16M 1/026 (2006.01)
F16M 11/00 (2006.01)
(43) 02.01.2025
(62) 2022212857
(72) Elbourn, Andrew Phillip
(74) Caska Intellectual Property Pty Ltd
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- (71) DUG Technology (Australia) Pty Ltd.
(11) AU-A-2024278114
(21) 2024278114 (22) 04.12.2024
(54) SEISMIC WAVEFIELD MODELING HONORING AVO/AVA WITH APPLICATIONS TO FULL WAVEFORM INVERSION AND LEAST-SQUARES IMAGING
(51) Int. Cl.
G01V 1/50 (2006.01)
G01V 1/30 (2006.01)
G01V 1/36 (2006.01)
(43) 02.01.2025
(62) 2021289471
(72) BURGESS, Timothy; MCLEMAN, James; SINHA, Mrinal; HAMPSON, Gary; THOMPSON, Troy
(74) AUSTRALASIA IP PTY LTD
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- (71) Ecolab Inc.
(11) AU-A-2024278227
(21) 2024278227 (22) 09.12.2024
(54) Foaming alcohol compositions with selected dimethicone surfactants
(51) Int. Cl.
A01N 31/04 (2006.01)
A01N 25/02 (2006.01)
(43) 02.01.2025
(62) 2022287559
(72) WEGNER, Joseph R.; LITTAU, Cheryl A.
(74) Spruson & Ferguson
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- (71) Editas Medicine, Inc
(11) AU-A-2024259841
(21) 2024259841 (22) 08.11.2024
(54) CRISPR-Cas-related methods, compositions and components for cancer immunotherapy
(51) Int. Cl.
C12N 5/0783 (2010.01)
C12N 9/22 (2006.01)
C12N 15/10 (2006.01)
C12N 15/113 (2010.01)
C12N 15/63 (2006.01)
C12N 15/864 (2006.01)

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C12N 15/90 (2006.01)**(43)** 02.01.2025**(62)** 2021236446**(72)** Welstead, G. Grant; Friedland, Ari E.;
Maeder, Morgan L.; Bumcrot, David A.**(74)** Spruson & Ferguson**(71)** Encore Medical, L.P. (d/b/a/ DJO Surgical)**(11)** AU-A-2024278216**(21)** 2024278216 **(22)** 09.12.2024**(54)** Partial knee implants and methods for installing the same**(51)** Int. Cl.**A61B 17/15** (2006.01)**A61B 17/17** (2006.01)**(43)** 02.01.2025**(62)** 2021216908**(72)** Axelson, Stuart; Romanov, Vasily; Patel, Rachel; La Rosa, Anthony J.; Meneghini, Robert Michael; Sporer, Scott; Taunton, Michael; Browne, James; Kim, Raymond; Jankiewicz, Joseph; McBride, Mark; Palumbo, Brian T.; Bradley, Michael Patrick**(74)** Davies Collison Cave Pty Ltd**(71)** EXCEL Industries**(11)** AU-A-2024203799**(21)** 2024203799 **(22)** 05.06.2024**(54)** Spray nozzle for an agricultural device, spraying system with said nozzle, an agricultural device with said nozzle and a method for dispensing a liquid**(51)** Int. Cl.**B05B 1/28** (2006.01)**B05B 7/00** (2006.01)**B05B 12/32** (2018.01)**B05B 15/00** (2018.01)**(31)** 2035025 **(32)** 07.06.23 **(33)** NL**(43)** 02.01.2025**(72)** BLAAUW, Doeko**(74)** Spruson & Ferguson**(71)** Fastbrick IP Pty Ltd**(11)** AU-A-2024278303**(21)** 2024278303 **(22)** 11.12.2024**(54)** INTERACTION SYSTEM CONFIGURATION**(51)** Int. Cl.**B25J 9/00** (2006.01)**B25J 15/00** (2006.01)**B25J 18/00** (2006.01)**E04G 21/22** (2006.01)**G06T 7/246** (2017.01)**G06T 7/292** (2017.01)**G06T 7/55** (2017.01)**G06T 7/70** (2017.01)**G06T 7/80** (2017.01)**(43)** 02.01.2025**(62)** 2018317936**(72)** PIVAC, Mark Joseph**(74)** Davies Collison Cave Pty Ltd**(71)** FLSMIDTH A/S**(11)** AU-A-2024278242**(21)** 2024278242 **(22)** 10.12.2024**(54)** Exciter apparatus**(51)** Int. Cl.**B07B 1/28** (2006.01)**B06B 1/16** (2006.01)**B07B 1/42** (2006.01)**F16C 33/66** (2006.01)**F16C 35/04** (2006.01)**(43)** 02.01.2025**(62)** 2022370481**(72)** GARDINER, Michael; HALANI, Tejas; ALHASSAN, Shanoon; SEYMOUR, Clayton; SADLER, Byron; ONG, Gordon**(74)** FPA Patent Attorneys Pty Ltd**(71)** Freshpac Pty Ltd**(11)** AU-A-2024201998**(21)** 2024201998 **(22)** 27.03.2024**(54)** Envelope paper bag with honeycomb lining**(51)** Int. Cl.**B65D 30/08** (2006.01)**B65D 30/16** (2006.01)**B65D 30/20** (2006.01)**(31)** 202321421981.8 **(32)** 06.06.23 **(33)** CN**(43)** 02.01.2025**(72)** Fuyin, Du; Watts, Stephen**(74)** Michael Buck IP**(71)** GAO, Y.; ZHANG, K.**(11)** AU-A-2023444874**(21)** 2023444874 **(22)** 10.06.2023**(54)** A TRANSFORMER-BASED REPRESENTATION-LEARNING MODEL WITH UNIFIED PROCESSING OF MULTIMODAL INPUT FOR CLINICAL DIAGNOSTICS AND PROGNOSTICS**(51)** Int. Cl.**G06N 20/00** (2019.01)**G06N 3/02** (2006.01)**G06T 7/00** (2017.01)**G16H 50/20** (2018.01)**(43)** 02.01.2025**(72)** GAO, Yuanxu; ZHANG, Kang**(74)** Spruson & Ferguson**(71)** GE Video Compression, LLC**(11)** AU-A-2024278160**(21)** 2024278160 **(22)** 05.12.2024**(54)** Video data stream concept**(51)** Int. Cl.**H04N 21/00** (2011.01)**(43)** 02.01.2025**(62)** 2024201670**(72)** SCHIERL, Thomas; GEORGE, Valeri; HENKEL, Anastasia; MARPE, Detlev; GRUENEBERG, Karsten; SKUPIN, Robert**(74)** Griffith Hack**(71)** GLASS VICE HOLDINGS LIMITED**(11)** AU-A-2024278177**(21)** 2024278177 **(22)** 06.12.2024**(54)** PANEL MOUNT**(51)** Int. Cl.**E06B 1/20** (2006.01)**E06B 1/14** (2006.01)**E06B 5/00** (2006.01)**E06B 7/00** (2006.01)**(43)** 02.01.2025**(62)** 2022204829**(72)** ALLEN, Warwick James**(74)** AJ PARK**(71)** Green Boom Corp.**(11)** AU-A-2024278302**(21)** 2024278302 **(22)** 11.12.2024**(54)** A COMPOSITION FOR POLYMERIZATION AND GRAFTING TO A POLYSACCHARIDE OR AGRICULTURAL FIBERS AND METHOD OF MANUFACTURING THEREOF**(51)** Int. Cl.**C04B 41/48** (2006.01)**(43)** 02.01.2025**(62)** 2021343371**(72)** Sharma, Sudhir; Deng, Yulin**(74)** PHILLIPS ORMONDE FITZPATRICK**(71)** Guangdong OPPO Mobile Telecommunications Corp., Ltd.**(11)** AU-A-2024278251**(21)** 2024278251 **(22)** 10.12.2024**(54)** Image signal encoding/decoding method and apparatus therefor**(51)** Int. Cl.**H04N 19/503** (2014.01)**H04N 19/103** (2014.01)**H04N 19/119** (2014.01)**H04N 19/122** (2014.01)**H04N 19/129** (2014.01)**H04N 19/176** (2014.01)**H04N 19/18** (2014.01)**H04N 19/50** (2014.01)**H04N 19/61** (2014.01)**H04N 19/70** (2014.01)**(43)** 02.01.2025**(62)** 2023203259**(72)** LEE, Bae Keun**(74)** Spruson & Ferguson**(71)** GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.**(11)** AU-A-2024278106**(21)** 2024278106 **(22)** 04.12.2024**(54)** Image encoding/decoding method and device using intra prediction**(51)** Int. Cl.**H04N 19/105** (2014.01)**H04N 19/119** (2014.01)**H04N 19/122** (2014.01)**H04N 19/176** (2014.01)**H04N 19/593** (2014.01)**(43)** 02.01.2025**(62)** 2019336038**(72)** KIM, Ki Baek**(74)** Spruson & Ferguson**(71)** GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.**(11)** AU-A-2024278107**(21)** 2024278107 **(22)** 04.12.2024**(54)** Image encoding/decoding method and device using intra prediction

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(51) Int. Cl.
H04N 19/105 (2014.01)
H04N 19/119 (2014.01)
H04N 19/122 (2014.01)
H04N 19/176 (2014.01)
H04N 19/593 (2014.01)
(43) 02.01.2025
(62) 2019336038
(72) KIM, Ki Baek
(74) Spruson & Ferguson

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(11) AU-A-2024278108
(21) 2024278108 (22) 04.12.2024
(54) Image encoding/decoding method and device using intra prediction
(51) Int. Cl.
H04N 19/105 (2014.01)
H04N 19/119 (2014.01)
H04N 19/122 (2014.01)
H04N 19/176 (2014.01)
H04N 19/593 (2014.01)
(43) 02.01.2025
(62) 2019336038
(72) KIM, Ki Baek
(74) Spruson & Ferguson

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(11) AU-A-2024278109
(21) 2024278109 (22) 04.12.2024
(54) Image encoding/decoding method and device using intra prediction
(51) Int. Cl.
H04N 19/105 (2014.01)
H04N 19/119 (2014.01)
H04N 19/122 (2014.01)
H04N 19/176 (2014.01)
H04N 19/593 (2014.01)
(43) 02.01.2025
(62) 2019336038
(72) KIM, Ki Baek
(74) Spruson & Ferguson

(71) Habitat Learn Limited
(11) AU-A-2024203204
(21) 2024203204 (22) 15.05.2024
(54) Lecturer speech signal processing
(51) Int. Cl.
G10L 15/26 (2006.01)
G06F 17/14 (2006.01)
G06N 3/02 (2006.01)
G06N 20/00 (2019.01)
G10L 25/30 (2013.01)
(31) 2308481.7 (32) 07.06.23 (33) GB
(43) 02.01.2025
(72) LI, Yunjia; BRASSINGTON, Jeremy Guy; GOERZ, Daniel Jeffery
(74) Griffith Hack

(71) Halliburton Manufacturing and Services Limited
(11) AU-A-2024278161
(21) 2024278161 (22) 05.12.2024
(54) Downhole apparatus with a valve arrangement

(51) Int. Cl.
E21B 34/10 (2006.01)
E21B 34/14 (2006.01)
E21B 43/10 (2006.01)
(43) 02.01.2025
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(72) BRUCE, Stephen Edmund; GRANT, David; WALLACE, Scott E.; SMITH, Ewan
(74) Spruson & Ferguson

(71) Hanna, J.N.
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(21) 2024278247 (22) 10.12.2024
(54) Magnetized cable for improved cable management
(51) Int. Cl.
H01B 7/40 (2006.01)
(43) 02.01.2025
(62) 2024212956
(72) HANNA, John Nashed
(74) Spruson & Ferguson

(71) Hanshow Technology Co., Ltd.
(11) AU-A-2024203241
(21) 2024203241 (22) 15.05.2024
(54) SHELF LABEL COMMUNICATION METHOD BASED ON SYNCHRONOUS NETWORK, SHELF LABEL SYSTEM AND COMPUTER DEVICE
(51) Int. Cl.
H04W 56/00 (2009.01)
H04J 3/06 (2006.01)
H04L 7/00 (2006.01)
H04W 52/02 (2009.01)
(31) 202310666787.4 (32) 06.06.23 (33) CN
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(74) Madderns Pty Ltd

(71) Heineken Supply Chain B.V.
(11) AU-A-2024278267
(21) 2024278267 (22) 10.12.2024
(54) Low-alcohol beer with reduced wort flavor
(51) Int. Cl.
C12C 12/04 (2006.01)
C12C 5/02 (2006.01)
C12H 3/00 (2019.01)
(43) 02.01.2025
(62) 2018441170
(72) BROUWER, Eric Richard; SMIT, Hilda Els; DODERER, Albert; BEKKERS, Augustinus Cornelius Aldegonde Petrus Albert
(74) Spruson & Ferguson

(71) Hemanext Inc.
(11) AU-A-2024278209
(21) 2024278209 (22) 09.12.2024
(54) METHODS FOR MANAGING ADVERSE EVENTS IN PATIENT POPULATIONS REQUIRING TRANSFUSION
(51) Int. Cl.
A61M 1/36 (2006.01)

A61K 35/14 (2015.01)
A61M 1/38 (2006.01)
A61P 7/08 (2006.01)
(43) 02.01.2025
(62) 2022259846
(72) D'ALESSANDRO, Angelo; CORDERO, Rafael; DUNHAM, Andrew; KEEGAN, Philip; YOSHIDA, Tatsuro
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Hindustan Petroleum Corporation Limited
(11) AU-A-2024203923
(21) 2024203923 (22) 07.06.2024
(54) PVDF PLASTICIZER FOR ELECTRODE FABRICATION AND UNIVERSAL BATTERY APPLICATION THEREOF
(51) Int. Cl.
H01M 4/62 (2006.01)
H01M 10/04 (2006.01)
H01M 10/12 (2006.01)
H01M 10/22 (2006.01)
H01M 10/26 (2006.01)
H01M 10/38 (2006.01)
(31) 202341039648 (32) 09.06.23 (33) IN
(43) 02.01.2025
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(74) Michael Buck IP

(71) HONEYWELL INTERNATIONAL INC.
(11) AU-A-2024202948
(21) 2024202948 (22) 03.05.2024
(54) HUMAN MACHINE INTERFACE FOR PROVIDING INFORMATION TO AN OPERATOR OF AN INDUSTRIAL PRODUCTION FACILITY
(51) Int. Cl.
G05B 19/418 (2006.01)
G05B 23/02 (2006.01)
(31) 63/506516 (32) 06.06.23 (33) US
(43) 02.01.2025
(72) MCADAM, Rohan James; LAYCOCK, Graeme John; LO, Andrew James
(74) FPA Patent Attorneys Pty Ltd

(71) Houghton Technical Corp.
(11) AU-A-2024278124
(21) 2024278124 (22) 04.12.2024
(54) Method and compositions for cleaning aluminum cans
(51) Int. Cl.
C11D 7/08 (2006.01)
C23F 3/03 (2006.01)
C23G 1/12 (2006.01)
(43) 02.01.2025
(62) 2022259754
(72) STEWART, Laine; SMITH, Michael E.; KONTRA, Kimberly A.; HILLS, Richard
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(11) AU-A-2024278172

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 (54) PLANT EXTRACTS WITH ANTI-DIABETIC AND OTHER USEFUL ACTIVITIES
 (51) Int. Cl.
A61K 36/287 (2006.01)
A61K 8/97 (2017.01)
A61Q 19/02 (2006.01)

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 (62) 2018265439
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 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Howmedica Osteonics Corp.
 (11) AU-A-2024278232
 (21) 2024278232 (22) 09.12.2024
 (54) Guides and instruments for improving accuracy of glenoid implant placement
 (51) Int. Cl.
A61B 17/17 (2006.01)

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 (74) FB Rice Pty Ltd

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 (21) 2024278220 (22) 09.12.2024
 (54) SPATIALLY VARYING TRANSFORM WITH ADAPTIVE TRANSFORM TYPE
 (51) Int. Cl.
H04N 7/12 (2006.01)

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 (62) 2019277966
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 (21) 2024278221 (22) 09.12.2024
 (54) OLS FOR MULTIVIEW SCALABILITY
 (51) Int. Cl.
H04N 19/30 (2014.01)
H04N 19/20 (2014.01)
H04N 19/31 (2014.01)
H04N 19/33 (2014.01)
H04N 19/34 (2014.01)
H04N 19/44 (2014.01)
H04N 19/70 (2014.01)

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 (72) Wang, Ye-Kui
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) HUAWEI TECHNOLOGIES CO., LTD.
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 (21) 2024278282 (22) 11.12.2024
 (54) SIGNAL PROCESSING METHOD AND APPARATUS
 (51) Int. Cl.
H04L 25/02 (2006.01)

(43) 02.01.2025
 (62) 2021398202
 (72) LIU, Chenchen; GONG, Bo; GAN, Ming
 (74) Halfords IP

(71) Humans, Inc (Dba Flip Fit)
 (11) AU-A-2024278127
 (21) 2024278127 (22) 04.12.2024
 (54) Mobile application camera activation and de-activation based on physical object location
 (51) Int. Cl.
H04N 23/61 (2023.01)
H04N 21/81 (2011.01)

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 (62) 2020377580
 (72) ALAARIF, Nooruldeen A. Arif
 (74) FB Rice Pty Ltd

(71) Humanscale Corporation
 (11) AU-A-2024278159
 (21) 2024278159 (22) 05.12.2024
 (54) Adjustable support arm
 (51) Int. Cl.
F16M 11/00 (2006.01)
F16M 11/02 (2006.01)
F16M 11/04 (2006.01)
F16M 11/08 (2006.01)
F16M 13/00 (2006.01)
F16M 13/02 (2006.01)

(43) 02.01.2025
 (62) 2019248537
 (72) GLICKSTEIN, Jacob; BENDER, Steve; VELAZQUEZ, Ross; YOCH, Travis
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(71) Icahn School of Medicine at Mount Sinai
 (11) AU-A-2024278269
 (21) 2024278269 (22) 10.12.2024
 (54) SYSTEMS AND METHODS FOR TREATING A PSYCHIATRIC DISORDER
 (51) Int. Cl.
A61B 5/00 (2006.01)

(43) 02.01.2025
 (62) 2022252695
 (72) Iacoviello, Brian M.; Charney, Dennis S.
 (74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd

(71) ICU Medical, Inc.
 (11) AU-A-2024270626
 (21) 2024270626 (22) 03.12.2024
 (54) INFUSION DEVICE WITH ANTIMICROBIAL PROPERTIES
 (51) Int. Cl.
A61M 39/16 (2006.01)
A61M 39/20 (2006.01)

(43) 02.01.2025
 (62) 2019375918
 (72) ZIEBOL, Robert J.; BEILKE, Matthew David
 (74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd

(71) IGT
 (11) AU-A-2024203385
 (21) 2024203385 (22) 22.05.2024
 (54) ESTABLISHING A CASINO LINE OF CREDIT BASED ON CRYPTOCURRENCY HELD IN A CASINO CONTROLLED CUSTODIAN ACCOUNT
 (51) Int. Cl.
G06Q 20/22 (2012.01)
G06Q 20/06 (2012.01)
G06Q 20/10 (2012.01)
G06Q 50/34 (2012.01)
G07F 17/32 (2006.01)

(31) 18/208,626 (32) 12.06.23 (33) US
 (43) 02.01.2025
 (72) Higgins, Kevin M.; Tyrrell, George; Shepherd, Jeffery
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) IGT
 (11) AU-A-2024203386
 (21) 2024203386 (22) 22.05.2024
 (54) GAMING ESTABLISHMENT ACCOUNT FUNDING HIGH FREQUENCY TRANSACTIONS
 (51) Int. Cl.
G06Q 20/22 (2012.01)
G06Q 20/06 (2012.01)
G06Q 20/10 (2012.01)
G06Q 50/34 (2012.01)
G07F 17/32 (2006.01)

(31) 18/333,331 (32) 12.06.23 (33) US
 (43) 02.01.2025
 (72) Shepherd, Jeffery; Higgins, Kevin
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Illinois Tool Works Inc.
 (11) AU-A-2024203828
 (21) 2024203828 (22) 06.06.2024
 (54) Wall channelling machine
 (51) Int. Cl.
B28D 1/18 (2006.01)
B28D 1/04 (2006.01)

(31) 2305777 (32) 08.06.23 (33) FR
 (43) 02.01.2025
 (72) SIMONIN, Jean-Luc; TOURNIER, Ludovic
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2024203906
 (21) 2024203906 (22) 07.06.2024
 (54) Groover
 (51) Int. Cl.
B28D 1/18 (2006.01)
B25G 1/10 (2006.01)
B28D 1/04 (2006.01)
B28D 7/00 (2006.01)

(31) FR2305777 (32) 08.06.23 (33) FR
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 (11) AU-A-2024278103
 (21) 2024278103 (22) 04.12.2024

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(51) Int. Cl.
B25C 1/18 (2006.01)
B25C 1/08 (2006.01)
(43) 02.01.2025
(62) 2018250391
(72) MURDOCH, Thomas James; VAN DE LOO, Paul; TURNER, Kade Richard
(74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.
(11) AU-A-2024278133
(21) 2024278133 (22) 04.12.2024
(54) Edge protection system having bridging pins
(51) Int. Cl.
E04B 5/02 (2006.01)
(43) 02.01.2025
(62) 2018226389
(72) MURDOCH, Thomas James; MASON, Greg Stephen
(74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.
(11) AU-A-2024278249
(21) 2024278249 (22) 10.12.2024
(54) Fastener-driving tool with multiple combustion chambers and usable with fuel canisters of varying lengths
(51) Int. Cl.
B25C 1/08 (2006.01)
(43) 02.01.2025
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(72) LARGO, Marc; SHEA, Maureen; ZHAO, Charles
(74) Davies Collison Cave Pty Ltd

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(11) AU-A-2024278255
(21) 2024278255 (22) 10.12.2024
(54) Powered fastener driving tool
(51) Int. Cl.
B25C 1/18 (2006.01)
(43) 02.01.2025
(62) 2019275363
(72) JABLONSKI, David W.; LEE, Joey
(74) Davies Collison Cave Pty Ltd

(71) Implantica Patent Ltd
(11) AU-A-2024278164
(21) 2024278164 (22) 05.12.2024
(54) Operable Implant Comprising an Electrical Motor and a Gear System
(51) Int. Cl.
A61F 2/02 (2006.01)
A61F 5/00 (2006.01)
A61N 1/378 (2006.01)
F04C 2/10 (2006.01)
A61F 2/04 (2013.01)
A61F 2/48 (2006.01)
(43) 02.01.2025
(62) 2022204708
(72) FORSELL, Peter
(74) WRAYS PTY LTD

(71) Inari Medical, Inc.
(11) AU-A-2024272093
(21) 2024272093 (22) 04.12.2024
(54) SYSTEM FOR TREATING EMBOLISM AND ASSOCIATED DEVICES AND METHODS
(51) Int. Cl.
A61B 17/22 (2006.01)
A61B 17/221 (2006.01)
A61B 17/3207 (2006.01)
A61M 25/02 (2006.01)
A61M 25/08 (2006.01)
A61M 25/09 (2006.01)
(43) 02.01.2025
(62) 2023219946
(72) MERRITT, Ben; MACIAS, Jaqueline; STRAUSS, Brian Michael; TU, Thomas
(74) RnB IP Pty Ltd

(71) Incyte Corporation
(11) AU-A-2024278146
(21) 2024278146 (22) 05.12.2024
(54) SOLID FORMS OF AN FGFR INHIBITOR AND PROCESSES FOR PREPARING THE SAME
(51) Int. Cl.
C07D 471/14 (2006.01)
A61K 31/519 (2006.01)
A61P 35/00 (2006.01)
(43) 02.01.2025
(62) 2019262195
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(74) Houlihan Intellectual Property Pty Ltd

(71) INCYTE HOLDINGS CORPORATION
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(21) 2024227763 (22) 30.10.2024
(54) SUBSTITUTED TRICYCLIC COMPOUNDS AS FGFR INHIBITORS
(51) Int. Cl.
C07D 471/14 (2006.01)
A61K 31/4375 (2006.01)
A61K 31/519 (2006.01)
A61P 35/00 (2006.01)
C07D 471/22 (2006.01)
C07D 491/22 (2006.01)
C07D 495/14 (2006.01)
C07D 498/14 (2006.01)
(43) 02.01.2025
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(74) Houlihan Intellectual Property Pty Ltd

(71) IntelliSense.io Limited
(11) AU-A-2024278234
(21) 2024278234 (22) 09.12.2024
(54) A METHOD FOR DYNAMICALLY CONSTRUCTING AND UPDATING A MODEL OF 3D TOPOGRAPHY OF A STOCK-PILE OF GRANULAR MATERIAL
(51) Int. Cl.
G06Q 10/06 (2023.01)

B65G 3/02 (2006.01)
G06Q 50/02 (2012.01)
(43) 02.01.2025
(62) 2021333875
(72) GATICA, Mario Leon; HALLSON, Chris; LABORDE, Cecilia; GEUS, Mark de; MCNAMARA, Hugh; KNO-BLAUCH, Niel; KOPEC, Grant; MURRAY, Éamonn
(74) Collison & Co

(71) Intervet International B.V.
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(21) 2024278148 (22) 05.12.2024
(54) Parasite control in ruminants
(51) Int. Cl.
A61K 31/42 (2006.01)
A61K 31/422 (2006.01)
A61K 45/06 (2006.01)
A61P 33/14 (2006.01)
(43) 02.01.2025
(62) 2020404003
(72) O'NEILL, Peter Andrew; FISARA, Petr; FLOCHLAY-SIGOGNAULT, Annie; ZOLLER, Hartmut; HUYGHE, Bruno
(74) Spruson & Ferguson

(71) Intuit Inc.
(11) AU-A-2024278123
(21) 2024278123 (22) 04.12.2024
(54) System and method for use of alternating least squares to identify common profiles of tax filers and tailor the tax preparation process based on the profile for the individual tax filer
(51) Int. Cl.
G06Q 40/00 (2023.01)
(43) 02.01.2025
(62) 2023201442
(72) Laaser, William T.
(74) Davies Collison Cave Pty Ltd

(71) Itron, Inc.
(11) AU-A-2024202590
(21) 2024202590 (22) 19.04.2024
(54) Restriction of utility services without full service disconnect
(51) Int. Cl.
G05B 15/02 (2006.01)
G05B 19/02 (2006.01)
(31) 18/206558 (32) 06.06.23 (33) US
(43) 02.01.2025
(72) NARAYANASWAMY, Gokulmuthu; PONNETH, Rajeena; KRISHNAN, Badri Narayan
(74) FPA Patent Attorneys Pty Ltd

Jinko Solar Co., Ltd. see Zhejiang Jinko Solar Co., Ltd.
(21) 2023219939

(71) Karuna Therapeutics, Inc.
(11) AU-A-2024267020
(21) 2024267020 (22) 29.11.2024
(54) COMPOSITIONS AND METHODS FOR TREATING DISORDERS AMELI-

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OR ACTIVATION
(51) Int. Cl.
A61K 31/549 (2006.01)
A61K 31/46 (2006.01)
A61P 25/18 (2006.01)
A61P 25/24 (2006.01)
A61P 25/28 (2006.01)
A61P 25/30 (2006.01)
(43) 02.01.2025
(62) 2022224813
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Bruce; BETANCOURT, Aimesther
(74) AJ PARK
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- (71) Keding Enterprises Co., Ltd.
(11) AU-A-2024200765
(21) 2024200765 (22) 07.02.2024
(54) Penetrable high-pressure laminate pan-
el structure
(51) Int. Cl.
B32B 27/06 (2006.01)
B32B 27/08 (2006.01)
B32B 27/10 (2006.01)
B32B 27/12 (2006.01)
B32B 27/30 (2006.01)
B32B 27/32 (2006.01)
(31) 112121824 (32) 12.06.23 (33) TW
(43) 02.01.2025
(72) TSAO, Hsien-Chang
(74) A.P.T. Patent and Trade Mark Attor-
neys
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- (71) Komatsu Ltd.
(11) AU-A-2024278163
(21) 2024278163 (22) 05.12.2024
(54) Display control system and display con-
trol method
(51) Int. Cl.
H04N 7/18 (2006.01)
E02F 9/20 (2006.01)
E02F 9/26 (2006.01)
G05D 1/00 (2006.01)
G09G 5/00 (2006.01)
G09G 5/36 (2006.01)
G09G 5/377 (2006.01)
H04Q 9/00 (2006.01)
(43) 02.01.2025
(62) 2022241486
(72) DING, Qi; IBUSUKI, Yasuhiro; MORIN-
AGA, Jun; MINAGAWA, Masanori
(74) FB Rice Pty Ltd
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- (71) Kubota Corporation
(11) AU-A-2024278113
(21) 2024278113 (22) 04.12.2024
(54) Work vehicle specification change sys-
tem, work vehicle specification change
method, and work vehicle specification
change program
(51) Int. Cl.
A01B 71/02 (2006.01)
B60R 16/02 (2006.01)
E02F 9/20 (2006.01)
G06F 40/216 (2020.01)
G06Q 50/04 (2012.01)
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(62) 2021307148
(72) MATSUZAKI, Yushi
(74) Griffith Hack
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- (71) Kyote Fire, LLC
(11) AU-A-2023255032
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(54) PORTABLE HEATING DEVICE
(51) Int. Cl.
F23D 14/28 (2006.01)
(31) 18/329,917 (32) 06.06.23 (33) US
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Lund, Kelly; Tenenbaum, Alex; Horna,
Diego
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- Kyoto University see Takeda Pharmaceut-
ical Company Limited
(21) 2024259887
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- (71) L'Air Liquide, Société Anonyme pour
l'Etude et l'Exploitation des Procédés
Georges Claude
(11) AU-A-2024202850
(21) 2024202850 (22) 01.05.2024
(54) INSTALLATION AND A METHOD FOR
COOLING A FLUID TO CRYOGENIC
TEMPERATURE
(51) Int. Cl.
F25J 1/02 (2006.01)
C01B 3/02 (2006.01)
F25J 5/00 (2006.01)
(31) 2305892 (32) 12.06.23 (33) FR
(43) 02.01.2025
(72) Marine, Andrich; Ludovic, Granados;
Baptiste, Pages; Emeline, Vandroux;
Pierre, Barjhoux; Bhadri, Prasad
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Leidos, Inc.
(11) AU-A-2024278284
(21) 2024278284 (22) 11.12.2024
(54) AN IMPROVED LOW-POWER MASS
INTERROGATION SYSTEM AND AS-
SAY FOR DETERMINING VITAMIN D
LEVELS
(51) Int. Cl.
H01J 49/04 (2006.01)
(43) 02.01.2025
(62) 2023274139
(72) CHRISTIAN, Noah Peter
(74) RnB IP Pty Ltd
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- (71) LG Electronics Inc.
(11) AU-A-2024203843
(21) 2024203843 (22) 06.06.2024
(54) ELECTRONIC DEVICE AND OPERAT-
ING METHOD THEREOF
(51) Int. Cl.
H04R 3/12 (2006.01)
H04R 3/00 (2006.01)
H04R 3/04 (2006.01)
H04R 5/00 (2006.01)
H04R 5/04 (2006.01)
- H04W 92/00** (2009.01)
(31) 10-2023-0074523 (32) 09.06.23 (33) KR
(43) 02.01.2025
(72) KIM, Tae Young; PARK, Tae Jin; PARK,
Hyung Woo; KIM, Sang Hun; LEE, Eun
Jung; JEONG, Hyo Jeong
(74) Dentons Patent Attorneys Australasia
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- (71) LG Electronics Inc.
(11) AU-A-2024278105
(21) 2024278105 (22) 04.12.2024
(54) Vacuum cleaner station, vacuum clean-
er system, and method for controlling
vacuum cleaner station
(51) Int. Cl.
A47L 9/28 (2006.01)
A47L 9/10 (2006.01)
A47L 9/16 (2006.01)
A47L 9/22 (2006.01)
A47L 9/32 (2006.01)
(43) 02.01.2025
(62) 2021232500
(72) KIM, Sungjun; SHIN, Jinhyouk; YANG,
Ingyu; KIM, Youngsoo; RYU, Jungwan;
WIE, Jaehyuk; LEE, Dongjae
(74) Dentons Patent Attorneys Australasia
Limited
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- (71) LG Electronics Inc.
(11) AU-A-2024278217
(21) 2024278217 (22) 09.12.2024
(54) Image decoding method for deriving
weight index information for bi-predic-
tion, and device for same
(51) Int. Cl.
H04N 19/573 (2014.01)
H04N 19/105 (2014.01)
H04N 19/109 (2014.01)
H04N 19/132 (2014.01)
H04N 19/137 (2014.01)
H04N 19/176 (2014.01)
H04N 19/527 (2014.01)
H04N 19/70 (2014.01)
(43) 02.01.2025
(62) 2024201477
(72) PARK, Naeri; NAM, Junghak; JANG,
Hyeongmoon
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Limited
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(11) AU-A-2024278294
(21) 2024278294 (22) 11.12.2024
(54) Vacuum adiabatic body and refrigerator
(51) Int. Cl.
F25D 23/06 (2006.01)
F16L 59/02 (2006.01)
F16L 59/065 (2006.01)
F25D 29/00 (2006.01)
(43) 02.01.2025
(62) 2022215241
(72) KI, Duchan; KIM, Bongjin
(74) Dentons Patent Attorneys Australasia
Limited
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(71) LINEAGE LOGISTICS, LLC
(11) AU-A-2024270638
(21) 2024270638 (22) 03.12.2024
(54) POINT CLOUD FILTERING
(51) Int. Cl.
G06T 5/00 (2006.01)
G01C 15/00 (2006.01)
G01S 7/00 (2006.01)
G06V 20/00 (2022.01)
(43) 02.01.2025
(62) 2024205800
(72) ECKMAN, Christopher Frank; LOWE, Brady Michael; HALL, Alexander
(74) RnB IP Pty Ltd

(71) Matrox Graphics Inc.
(11) AU-A-2024278281
(21) 2024278281 (22) 11.12.2024
(54) REALTIME DISTRIBUTION OF GRANTULAR DATA STREAMS ON A NETWORK
(51) Int. Cl.
G06F 12/02 (2006.01)
G06F 8/40 (2018.01)
G06F 9/455 (2018.01)
(43) 02.01.2025
(62) 2021227061
(72) LAFFERTY, Martin George
(74) Southern Cross Intellectual Property

(71) McCarthy, M.
(11) AU-A-2024278211
(21) 2024278211 (22) 09.12.2024
(54) Apparatus and Method for Collection and Disposal of Fats, Oil and Grease
(51) Int. Cl.
E02B 15/06 (2006.01)
B01D 35/28 (2006.01)
B01D 46/30 (2006.01)
B65D 81/26 (2006.01)
E02B 15/04 (2006.01)
(43) 02.01.2025
(62) 2022242747
(72) McCarthy, Martin
(74) Kings Patent & Trade Marks Attorneys Pty Ltd

McCarthy, R. see WA BUILDING & PEST INSPECTIONS PTY LTD
(21) 2024278223

(71) MCCARTHY, D.
(11) AU-A-2024266706
(21) 2024266706 (22) 06.06.2024
(54) A DIAGNOSTIC TESTING MODULE FOR CONTROLLING AN ELECTRONIC CONTROL UNIT OF AN AUTOMOBILE ENGINE
(51) Int. Cl.
B60K 35/90 (2024.01)
F02D 43/00 (2006.01)
G07C 5/08 (2006.01)
G07C 5/12 (2006.01)
(31) 2023901865 (32) 13.06.23 (33) AU
(43) 02.01.2025
(72) MCCARTHY, David
(74) Stellar Law Pty Ltd

(71) Merlo Project S.r.l.
(11) AU-A-2024203268
(21) 2024203268 (22) 16.05.2024
(54) A MULTIFUNCTIONAL LIFTING VEHICLE AND RELATIVE SMART DISPLAY DEVICE
(51) Int. Cl.
B66F 9/12 (2006.01)
B25J 13/08 (2006.01)
B25J 18/02 (2006.01)
B25J 19/02 (2006.01)
B60W 50/14 (2020.01)
B66C 13/16 (2006.01)
B66F 9/06 (2006.01)

(31) 102023000011913 (32) 12.06.23 (33) IT
(43) 02.01.2025
(72) Contessini, Felice; Lopez, Federico
(74) PHILLIPS ORMONDE FITZPATRICK

(71) MetiMedi Pharmaceuticals Co., Ltd.
(11) AU-A-2024278252
(21) 2024278252 (22) 10.12.2024
(54) Methods of treating chronic inflammatory diseases
(51) Int. Cl.
A61K 31/194 (2006.01)
A61K 9/00 (2006.01)
A61P 1/16 (2006.01)
A61P 9/10 (2006.01)
A61P 25/16 (2006.01)
A61P 25/28 (2006.01)
(43) 02.01.2025
(62) 2019206492
(72) CHANG, Chong-Hwan; JEONG, Keun-Yeong
(74) Spruson & Ferguson

micas AG see Caroma Industries Limited
(21) 2024278260

(71) Modine LLC
(11) AU-A-2024278125
(21) 2024278125 (22) 04.12.2024
(54) Liquid Immersion Cooling Platform
(51) Int. Cl.
H05K 7/20 (2006.01)
G06F 1/20 (2006.01)
(43) 02.01.2025
(62) 2019343158
(72) ENRIGHT, John David; MERTEL, Jacob
(74) WRAYS PTY LTD

(71) MPEG LA, LLC
(11) AU-A-2024278244
(21) 2024278244 (22) 10.12.2024
(54) DEFINED MULTI-CONJUGATE OLIGONUCLEOTIDES
(51) Int. Cl.
A61K 48/00 (2006.01)
C12N 15/11 (2006.01)
(43) 02.01.2025
(62) 2022283737
(72) HADWIGER, Philipp; VORNLOCHER, Hans-Peter; BROWN, Jonathan Miles;

DAHLMAN, James Everett; NEUMAN, Kristin K H
(74) AJ PARK

(71) MPI, LLC
(11) AU-A-2024278157
(21) 2024278157 (22) 05.12.2024
(54) Packaging Apparatus and System
(51) Int. Cl.
B65B 5/10 (2006.01)
B65B 35/50 (2006.01)
B65D 21/02 (2006.01)
B65G 47/88 (2006.01)
B65G 59/10 (2006.01)
B65G 65/32 (2006.01)
(43) 02.01.2025
(62) 2022202742
(72) HOLDERMAN, Mark; RUSSELL, Gregory August
(74) MEYER WEST IP

(71) NantBio, Inc.
(11) AU-A-2024278158
(21) 2024278158 (22) 05.12.2024
(54) Modified EC7 cells having low toxicity to viral production payloads
(51) Int. Cl.
C12N 7/00 (2006.01)
C12N 15/86 (2006.01)
(43) 02.01.2025
(62) 2021261881
(72) NIAZI, Kayvan; TADROS, Wael; SHIN, Annie
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) NEWTECH WELLNESS CO.,LTD.
(11) AU-A-2024202040
(21) 2024202040 (22) 28.03.2024
(54) TWO-WAY ROW MACHINE
(51) Int. Cl.
A63B 22/00 (2006.01)
(31) 1020230073572 (32) 08.06.23 (33) KR
(43) 02.01.2025
(72) Byun, Hyun Jung
(74) Cooper IP Pty Ltd

(71) NITROCHEMIE ASCHAU GMBH
(11) AU-A-2024227383
(21) 2024227383 (22) 07.06.2024
(54) COMBUSTIBLE PROPELLANT CHARGE CASE
(51) Int. Cl.
C06B 23/04 (2006.01)
C08L 1/18 (2006.01)
F42B 5/02 (2006.01)
F42B 5/26 (2006.01)
(31) 10 2023 115 226.2 (32) 12.06.23 (33) DE
(43) 02.01.2025
(72) DR. HUBER, Alexander
(74) Ahearn Fox

(71) Nordic Minesteel Technologies Inc.
(11) AU-A-2024278324
(21) 2024278324 (22) 12.12.2024

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(54) Tire handler having tire lay flat capability
(51) Int. Cl.
B60B 30/02 (2006.01)
B60B 30/10 (2006.01)
B66F 9/065 (2006.01)
B66F 9/12 (2006.01)
(43) 02.01.2025
(62) 2022250082
(72) DESORMEAU, Wayne; MATHIEU, Guy
(74) Spruson & Ferguson

(71) NORITZ CORPORATION
(11) AU-A-2024203734
(21) 2024203734 (22) 03.06.2024
(54) HOT WATER SUPPLY APPARATUS
(51) Int. Cl.
F24H 15/174 (2022.01)
F24D 17/00 (2022.01)
F24D 19/10 (2006.01)
F24H 1/14 (2022.01)
F24H 15/215 (2022.01)
F24H 15/219 (2022.01)
F24H 15/238 (2022.01)
F24H 15/305 (2022.01)
F24H 15/36 (2022.01)
(31) 2023-096159 (32) 12.06.23 (33) JP
(43) 02.01.2025
(72) IWANAMI, Keiichiro; ATOBE, Yoshifumi; NAKAYAMA, Kenichi
(74) Collison & Co

(71) Novadip Biosciences
(11) AU-A-2024278089
(21) 2024278089 (22) 04.12.2024
(54) Biomaterial comprising adipose-derived stem cells and gelatin and method for producing the same
(51) Int. Cl.
C12N 5/077 (2010.01)
A61K 35/28 (2015.01)
A61L 27/36 (2006.01)
A61P 17/02 (2006.01)
C12N 5/0775 (2010.01)
(43) 02.01.2025
(62) 2019342877
(72) DUFRANE, Denis
(74) Alder IP Pty Ltd

(71) Novartis AG
(11) AU-A-2024278118
(21) 2024278118 (22) 04.12.2024
(54) Methods of treating non-radiographic axial spondyloarthritis using interleukin-17 (IL-17) Antagonists
(51) Int. Cl.
C07K 16/24 (2006.01)
A61K 39/00 (2006.01)
A61K 39/395 (2006.01)
A61P 19/00 (2006.01)
A61P 37/06 (2006.01)
(43) 02.01.2025
(62) 2021240290
(72) Mann, Christian; Porter, Brian; Richards, Hanno
(74) Davies Collison Cave Pty Ltd

(71) NOVARTIS AG
(11) AU-A-2024278210
(21) 2024278210 (22) 09.12.2024
(54) Pyrazolopyridine derivatives and uses thereof
(51) Int. Cl.
C07D 471/04 (2006.01)
A61K 31/437 (2006.01)
A61P 7/00 (2006.01)
C07D 498/04 (2006.01)
(43) 02.01.2025
(62) 2022239950
(72) BONAZZI, Simone; CERNIJENKO, Artiom; COBB, Jennifer Stroka; DALES, Natalie Alysia; DEWHURST, Janetta; HESSE, Matthew James; JAIN, Rama; KERRIGAN, John Ryan; MALIK, Hasnain Ahmed; MANNING, James R.; O'BRIEN, Gary; PATTERSON, Andrew W.; THOMSEN, Noel Marie-France; TING, Pamela YF
(74) Davies Collison Cave Pty Ltd

(71) Ogab Limited
(11) AU-A-2024203501
(21) 2024203501 (22) 25.05.2024
(54) Disc Brake Assembly Particulate Collection System
(51) Int. Cl.
F16D 65/00 (2006.01)
B08B 15/04 (2006.01)
(31) GB2308489.0 (32) 07.06.23 (33) GB
(43) 02.01.2025
(72) Elogab, Osama; Elogab, Nadia
(74) Adrian M Trioli Patent and Trade Mark Attorney

(71) OPTIVOLT LABS, INC.
(11) AU-A-2024278136
(21) 2024278136 (22) 04.12.2024
(54) SYSTEM AND METHOD FOR REGULATING POWER OUTPUT OF MULTIPLE SOLAR SUBSTRINGS
(51) Int. Cl.
H02J 3/38 (2006.01)
H02J 3/26 (2006.01)
H02S 40/34 (2014.01)
(43) 02.01.2025
(62) 2023245795
(72) IRISH, Linda; BRAUN, Weston
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) Paragon 28, Inc.
(11) AU-A-2024278115
(21) 2024278115 (22) 04.12.2024
(54) BONE PLATE HOLE CAPS, BONE PLATE SYSTEMS, AND METHODS USING SAME
(51) Int. Cl.
A61B 17/58 (2006.01)
A61B 17/68 (2006.01)
A61B 17/80 (2006.01)
A61B 17/88 (2006.01)
A61F 2/28 (2006.01)
A61F 2/46 (2006.01)

(43) 02.01.2025
(62) 2021218427
(72) Dacosta, Albert; Hunt, Richard David; Raymond, Spanky; Hartson, Kyle James; Miller, Shane
(74) PHILLIPS ORMONDE FITZPATRICK

(71) PepsiCo, Inc.
(11) AU-A-2024278190
(21) 2024278190 (22) 06.12.2024
(54) Analyzing second party digital marketing data
(51) Int. Cl.
G06Q 30/02 (2023.01)
H04N 21/258 (2011.01)
H04N 21/442 (2011.01)
H04N 21/466 (2011.01)
H04N 21/61 (2011.01)
(43) 02.01.2025
(62) 2019262795
(72) GELLER, Michal; HIGGINS, Eric
(74) Allens Patent & Trade Mark Attorneys

(71) Polaris Industries Inc.
(11) AU-A-2024203368
(21) 2024203368 (22) 21.05.2024
(54) MANAGING LOCATION-BASED TASKS WITH A LOCATION-AWARE VEHICLE
(51) Int. Cl.
G06Q 10/0631 (2023.01)
G01C 21/36 (2006.01)
G06Q 10/06 (2023.01)
G06Q 10/087 (2023.01)
G06Q 50/02 (2012.01)
G08G 1/137 (2006.01)
H04W 4/029 (2018.01)
(31) US63/470011 (32) 31.05.23 (33) US
(43) 02.01.2025
(72) Larson, Jacob; Nuxoll, Joseph Paul; Huntress, Christopher Michael; Scott, Elaine Michelle; Lee, Lester
(74) envantage

(71) Power Hero Corp.
(11) AU-A-2024278144
(21) 2024278144 (22) 05.12.2024
(54) An automated system for managing and providing a network of charging stations
(51) Int. Cl.
B60L 53/62 (2019.01)
B60L 53/60 (2019.01)
(43) 02.01.2025
(62) 2022256221
(72) GOEI, Esmond
(74) FB Rice Pty Ltd

Praeventix, LLC see Temple University-Of The Commonwealth System of Higher Education
(21) 2024278241

Provectus Pharmatech, Inc. see UTI Limited Partnership
(21) 2024278194

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(71) Quantumcyte, Inc.
 (11) AU-A-2024278120
 (21) 2024278120 (22) 04.12.2024
 (54) Methods, compositions, and devices for isolation and expression analysis of regions of interest from a tissue
 (51) Int. Cl.
 C12M 1/32 (2006.01)
 H01J 49/26 (2006.01)
 (43) 02.01.2025
 (62) 2019228081
 (72) BUTLER, John; CHAUDHURI, Bidhan
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) REECOIL PTY. LTD
 (11) AU-A-2024203947
 (21) 2024203947 (22) 11.06.2024
 (54) Emergency first aid kit
 (51) Int. Cl.
 A61F 17/00 (2006.01)
 A62B 35/00 (2006.01)
 A45C 11/00 (2006.01)
 (31) 2023901848 (32) 12.06.23 (33) AU
 (43) 02.01.2025
 (72) Dass, Daniel
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

(71) Reflex Instruments Asia Pacific Pty Ltd
 (11) AU-A-2024278272
 (21) 2024278272 (22) 10.12.2024
 (54) METHOD AND SYSTEM FOR ACQUIRING GEOLOGICAL DATA FROM A BORE HOLE
 (51) Int. Cl.
 E21B 49/00 (2006.01)
 E21B 7/02 (2006.01)
 E21B 49/04 (2006.01)
 (43) 02.01.2025
 (62) 2023219947
 (72) Lawrie, David
 (74) AJ PARK

Reiter, G. see Ward, J.
 (21) 2024203835

(71) Rhind, R.
 (11) AU-A-2023203656
 (21) 2023203656 (22) 12.06.2023
 (54) Automated Liquid Dispensing System for Extemporaneous Product Mixing
 (51) Int. Cl.
 B67D 7/30 (2010.01)
 A61J 1/22 (2006.01)
 B67D 7/02 (2010.01)
 B67D 7/14 (2010.01)
 B67D 7/16 (2010.01)
 B67D 7/66 (2010.01)
 G01F 11/12 (2006.01)
 (43) 02.01.2025
 (72) Rhind, Ryan
 (74) Ryan Garth Rhind

(71) Sagemcom Energy & Telecom SAS
 (11) AU-A-2024203634
 (21) 2024203634 (22) 30.05.2024
 (54) Optical detection of the opening of a housing
 (51) Int. Cl.
 G01F 15/00 (2006.01)
 G01D 4/00 (2006.01)
 G01R 11/04 (2006.01)
 G01R 11/24 (2006.01)
 (31) 2305742 (32) 07.06.23 (33) FR
 (43) 02.01.2025
 (72) GOARANT, Mickaël; WEBER, Patrick
 (74) Spruson & Ferguson

(71) SAGEMCOM ENERGY & TELECOM SAS
 (11) AU-A-2024203953
 (21) 2024203953 (22) 11.06.2024
 (54) METHOD FOR APPLYING CORRECTION TO SMART-METER INSTRUCTIONS
 (51) Int. Cl.
 G06F 8/656 (2018.01)
 G06F 8/65 (2018.01)
 H04L 67/125 (2022.01)
 (31) FR2305920 (32) 12.06.23 (33) FR
 (43) 02.01.2025
 (72) ABID, Oussama; SABRAOUI, Abbas; BASTURK, Ahmet Samed
 (74) AJ PARK

(71) Sage Therapeutics, Inc.
 (11) AU-A-2024278111
 (21) 2024278111 (22) 04.12.2024
 (54) Oxysterols and methods of use thereof
 (51) Int. Cl.
 C07J 1/00 (2006.01)
 A61K 31/56 (2006.01)
 (43) 02.01.2025
 (62) 2022291419
 (72) ROBICHAUD, Albert Jean; SALITURO, Francesco G.; MARTINEZBOTELLA, Gabriel; HARRISON, Boyd L.; REID, John Gregory
 (74) Spruson & Ferguson

(71) Sato Holdings Kabushiki Kaisha
 (11) AU-A-2024278165
 (21) 2024278165 (22) 05.12.2024
 (54) Information processing system, information processing method, and program
 (51) Int. Cl.
 G06Q 30/06 (2023.01)
 (43) 02.01.2025
 (62) 2021334293
 (72) OGUCHI, Kentaro
 (74) FB Rice Pty Ltd

(71) Southwest Research Institute
 (11) AU-A-2024202530
 (21) 2024202530 (22) 17.04.2024
 (54) Parallelogram Articulated Lattice Mast for Passive (Self) Deployment
 (51) Int. Cl.
 B64G 1/22 (2006.01)
 H02S 20/30 (2014.01)

H02S 30/20 (2014.01)
 (31) 18/333,168 (32) 12.06.23 (33) US
 (43) 02.01.2025
 (72) Rose, Thomas J.; Harvey, Thomas J.; Harvey, Toby J.; Rose, Randy J.
 (74) James & Wells Intellectual Property

(71) SPEER, T.
 (11) AU-A-2024227156
 (21) 2024227156 (22) 08.10.2024
 (54) Oligonucleotide-based therapeutics and uses thereof.
 (51) Int. Cl.
 A61P 35/00 (2006.01)
 A61K 51/04 (2006.01)
 C07B 59/00 (2006.01)
 C07H 21/00 (2006.01)
 (43) 02.01.2025
 (62) 2021369744
 (72) SPEER, Tod
 (74) Davies Collison Cave Pty Ltd

(71) Stamm Vegh Corporation
 (11) AU-A-2024278155
 (21) 2024278155 (22) 05.12.2024
 (54) Platform, systems, and devices for 3D printing
 (51) Int. Cl.
 B23K 26/067 (2006.01)
 B23K 26/04 (2014.01)
 B23K 26/06 (2014.01)
 B23K 26/08 (2014.01)
 (43) 02.01.2025
 (62) 2021216914
 (72) LLAMAZARES VEGH, Juan Francisco; CAMPANELLI, Ignacio Hector; CORTI, Gaston Oscar; HOSS, Emiliano
 (74) FB Rice Pty Ltd

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 (21) 2024203845

(71) Steel, M.
 (11) AU-A-2023361986
 (21) 2023361986 (22) 25.03.2023
 (54) A Nappy and a plastic bag
 (51) Int. Cl.
 A61F 13/551 (2006.01)
 A61F 13/84 (2006.01)
 (43) 02.01.2025
 (72) Steel, Mila
 (74) Radwan Saati

(71) STM Management Pty Ltd
 (11) AU-A-2024203904
 (21) 2024203904 (22) 07.06.2024
 (54) A CASE FOR A TABLET SHAPED DEVICE
 (51) Int. Cl.
 G06F 1/16 (2006.01)
 A45C 13/02 (2006.01)
 H01R 24/66 (2011.01)
 H04M 1/72409 (2021.01)
 A45C 11/00 (2006.01)
 H04B 1/3888 (2015.01)

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(43) 02.01.2025
(72) Wagner, Bryant; Nyholm, Ethan
(74) envantage

(71) Synthorx, Inc.
(11) AU-A-2024278112
(21) 2024278112 (22) 04.12.2024
(54) Cytokine conjugates for the treatment of proliferative and infectious diseases
(51) Int. Cl.
C07K 14/55 (2006.01)
A61K 38/20 (2006.01)
C12N 15/26 (2006.01)
(43) 02.01.2025
(62) 2023200972
(72) PTACIN, Jerod; CAFFARO, Carolina E.; MILLA, Marcos
(74) Griffith Hack

(71) Synthorx, Inc.
(11) AU-A-2024278132
(21) 2024278132 (22) 04.12.2024
(54) Cytokine conjugates for the treatment of autoimmune diseases
(51) Int. Cl.
C07K 14/55 (2006.01)
A61K 38/20 (2006.01)
C12N 15/26 (2006.01)
(43) 02.01.2025
(62) 2023201482
(72) PTACIN, Jerod; CAFFARO, Carolina E.; MILLA, Marcos
(74) Griffith Hack

(71) Takeda Pharmaceutical Company Limited; Kyoto University
(11) AU-A-2024259887
(21) 2024259887 (22) 11.11.2024
(54) T-cell receptor modified object
(51) Int. Cl.
C07K 14/705 (2006.01)
C12N 5/10 (2006.01)
C12N 15/12 (2006.01)
C12N 15/63 (2006.01)
(43) 02.01.2025
(62) 2019411973
(72) KANEKO, Shin; KASSAI, Yoshiaki; HAYASHI, Akira
(74) Griffith Hack

(71) Techtronic Cordless GP
(11) AU-A-2024203185
(21) 2024203185 (22) 14.05.2024
(54) Theft prevention systems and methods for a robotic garden tool
(51) Int. Cl.
A01D 34/00 (2006.01)
A01D 34/82 (2006.01)
(31) 63/506,999 (32) 08.06.23 (33) US
(43) 02.01.2025
(72) LI, Shing Hin; CHOI, Man Ho; LAI, Tat Hei; LEE, Chi Chau; CHAU, Hau Leung; LAI, Hok Sum Sam; LEE, Hei Man
(74) Spruson & Ferguson

(71) Temple University-Of The Commonwealth System of Higher Education; Praeventix, LLC
(11) AU-A-2024278241
(21) 2024278241 (22) 10.12.2024
(54) NOVEL FUNCTIONALIZED LACTAMS AS MODULATORS OF THE 5-HYDROXYTRYPTAMINE RECEPTOR 7 AND THEIR METHOD OF USE
(51) Int. Cl.
C07D 207/20 (2006.01)
A61K 31/4015 (2006.01)
A61K 31/497 (2006.01)
A61P 25/00 (2006.01)
C07D 209/96 (2006.01)
C07D 401/06 (2006.01)
C07D 401/12 (2006.01)
C07D 471/10 (2006.01)
C07D 487/04 (2006.01)
(43) 02.01.2025
(62) 2019267846
(72) CANNEY, Daniel J.; BLASS, Benjamin E.; BLATTNER, Kevin M.; PIPPIN, Douglas A.
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Terra Quantum AG
(11) AU-A-2024202983
(21) 2024202983 (22) 06.05.2024
(54) Varistor device and method of operating a varistor device
(51) Int. Cl.
H01C 7/10 (2006.01)
H01C 8/04 (2006.01)
H10N 69/00 (2023.01)
(31) 23178508.0 (32) 09.06.23 (33) EP
(43) 02.01.2025
(72) VINOKOUR, Valerii; MIRONOV, Alexey
(74) Griffith Hack

(71) Tetrus, Inc.
(11) AU-A-2024278230
(21) 2024278230 (22) 09.12.2024
(54) Demineralized bone fiber implant compositions and methods for augmenting fixation in bone repair
(51) Int. Cl.
A61F 2/28 (2006.01)
A61B 17/68 (2006.01)
(43) 02.01.2025
(62) 2023203646
(72) CARTER, Andrew J.; PATT, Bradley E.; ANDERSSON, Gunnar; MCRURY, Ian; VERMA, Nikhil; SCARBOROUGH, Nelson L.
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Thales
(11) AU-A-2024278288
(21) 2024278288 (22) 11.12.2024
(54) Training and/or assistance platform for air management via air traffic management electronic system, associated method
(51) Int. Cl.
G08G 5/00 (2006.01)
G01C 23/00 (2006.01)

G01S 13/91 (2006.01)
(43) 02.01.2025
(62) 2019204287
(72) Pesquet, Béatrice; Kaakai, Fateh; Beeston, Warren
(74) Davies Collison Cave Pty Ltd

(71) The Cawthron Institute Trust Board
(11) AU-A-2024278203
(21) 2024278203 (22) 08.12.2024
(54) IMPROVED METHOD OF PRODUCING OYSTERS
(51) Int. Cl.
A01K 67/033 (2006.01)
(43) 02.01.2025
(62) 2022200815
(72) ADAMS, Serean Leigh; JANKE, Achim Ralph; KING, Nicholas George; VIGNIER, Julien Daniel Edmond
(74) Stephen R Parker

(71) The General Hospital Corporation
(11) AU-A-2024278134
(21) 2024278134 (22) 04.12.2024
(54) ACTIVE QUADRATURE DEMODULATION FOR SUBSAMPLED/CIRCULAR RANGING OPTICAL COHERENCE TOMOGRAPHY
(51) Int. Cl.
A61B 5/00 (2006.01)
G01J 3/00 (2006.01)
G01J 3/28 (2006.01)
G01N 21/00 (2006.01)
G01N 21/17 (2006.01)
G01N 21/47 (2006.01)
(43) 02.01.2025
(62) 2019313352
(72) VAKOC, Benjamin J.; LIPPOK, Norman
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) The Trustees of the University of Pennsylvania
(11) AU-A-2024266827
(21) 2024266827 (22) 22.11.2024
(54) RNA preparations comprising purified modified RNA for reprogramming cells
(51) Int. Cl.
C12N 5/02 (2006.01)
C12N 5/071 (2010.01)
C12N 15/113 (2010.01)
(43) 02.01.2025
(62) 2020286202
(72) KARIKO, Katalin; WEISSMAN, Drew; DAHL, Gary; PERSON, Anthony; MEIS, Judith; JENDRISAK, Jerome
(74) Spruson & Ferguson

(71) TNBT Holdings Pty Limited
(11) AU-A-2024203853
(21) 2024203853 (22) 06.06.2024
(54) An Apparatus and/or A Bracing Device for Maintaining A Door In A Desired Position
(51) Int. Cl.
E05C 17/18 (2006.01)
E05C 17/08 (2006.01)

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(31) 2023901784 **(32)** 06.06.23 **(33)** AU
(43) 02.01.2025
(72) Sharp, Damion Colin Newman; Butt, Simon James
(74) Chrysiliou IP

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(21) 2024278223

(71) University of Utah Research Foundation
(11) AU-A-2024278182
(21) 2024278182 **(22)** 06.12.2024
(54) Treatment of myopic progression
(51) Int. Cl.
A61F 9/00 (2006.01)
A61K 33/00 (2006.01)
A61K 33/24 (2019.01)
A61K 33/34 (2006.01)
(43) 02.01.2025
(62) 2019205774
(72) BURR, Randon Michael; AMBATI, Balamurali K.; MOLOKHIA, Sarah A.
(74) FPA Patent Attorneys Pty Ltd

(71) UTI Limited Partnership; Provectus Pharmatech, Inc.
(11) AU-A-2024278194
(21) 2024278194 **(22)** 06.12.2024
(54) Composition and method for treating hematologic cancers
(51) Int. Cl.
A61K 47/68 (2017.01)
A61K 51/10 (2006.01)
A61N 5/10 (2006.01)
(43) 02.01.2025
(62) 2019474803
(72) WACHTER, Eric A.; JAIN, Mohit; SWIFT, Lucy; THAKUR, Satbir; RODRIGUES, Dominic; ZHANG, Chun-fen; NARENDRAN, Aru
(74) FPA Patent Attorneys Pty Ltd

(71) Valeda Company (d/b/a Q'Straint)
(11) AU-A-2024278319
(21) 2024278319 **(22)** 11.12.2024
(54) Gurney restraint system
(51) Int. Cl.
A61G 3/08 (2006.01)
A61G 1/02 (2006.01)
A61G 1/044 (2006.01)
A61G 1/056 (2006.01)
(43) 02.01.2025
(62) 2019349413
(72) GIRARDIN, Patrick; SLEVINSKY, Paul; EASTON, Mark; HOLLOWAY, Gareth; CUMMING, Robert
(74) Spruson & Ferguson

(71) V-DAQ Pty Ltd
(11) AU-A-2024266964
(21) 2024266964 **(22)** 28.11.2024

(54) Method, system, and device to monitor vehicles
(51) Int. Cl.
H04Q 9/00 (2006.01)
B60W 40/13 (2012.01)
B60W 50/04 (2006.01)
B62D 63/08 (2006.01)
G01G 19/02 (2006.01)
G01G 19/03 (2006.01)
G07C 5/00 (2006.01)
G08C 17/00 (2006.01)
G08C 25/02 (2006.01)
G06Q 10/06 (2023.01)
G06Q 50/40 (2024.01)
G08C 17/02 (2006.01)
G08C 25/00 (2006.01)
(43) 02.01.2025
(62) PCT/AU2024/050157
(72) KOLB, Rylan Jeffrey; FENECH, Paul Mitchell
(74) FB Rice Pty Ltd

(71) Vector Vitale IP LLC
(11) AU-A-2024278226
(21) 2024278226 **(22)** 09.12.2024
(54) Method of preventing the development of melanoma
(51) Int. Cl.
A61K 33/30 (2006.01)
A61K 31/704 (2006.01)
A61P 35/00 (2006.01)
(43) 02.01.2025
(62) 2019475409
(72) NOVAK, Peter; TEMNIKOV, Maxim; BALAKIN, Oleksandr
(74) Spruson & Ferguson

(71) Versicolor Technologies, LLC
(11) AU-A-2024266874
(21) 2024266874 **(22)** 25.11.2024
(54) Photoprotective compositions containing Malassezia-derived compounds and/or chemical analogs thereof
(51) Int. Cl.
C07D 487/04 (2006.01)
A61K 8/49 (2006.01)
A61K 31/404 (2006.01)
A61P 17/00 (2006.01)
A61Q 19/02 (2006.01)
C07D 209/12 (2006.01)
(43) 02.01.2025
(62) 2019251579
(72) EINZIGER, Michael; SIMPSON, Ann Marie
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Virbac (Australia) Pty Limited
(11) AU-A-2024203875
(21) 2024203875 **(22)** 07.06.2024
(54) Composition
(51) Int. Cl.
A61K 39/08 (2006.01)
A61K 31/5415 (2006.01)
A61K 39/05 (2006.01)
A61K 47/02 (2006.01)
A61K 47/10 (2017.01)
A61K 47/18 (2017.01)
A61K 47/26 (2006.01)

A61P 31/04 (2006.01)
A61K 39/00 (2006.01)
(31) 2023901831 **(32)** 09.06.23 **(33)** AU
(43) 02.01.2025
(72) MAHASHABDE, Chhaya Shirish; GIB-BISON, Wynne Marie; KNOWLES, Aleta Gai
(74) Griffith Hack

(71) Visterra, Inc.
(11) AU-A-2024270619
(21) 2024270619 **(22)** 03.12.2024
(54) Engineered polypeptides and uses thereof
(51) Int. Cl.
C07K 16/00 (2006.01)
A61K 39/00 (2006.01)
C07K 16/10 (2006.01)
(43) 02.01.2025
(62) 2017325654
(72) Viswanathan, Karthik; Ramakrishnan, Boopathy; Booth, Brian; Narayan, Kristin; Wollacott, Andrew M.
(74) Davies Collison Cave Pty Ltd

(71) WA BUILDING & PEST INSPECTIONS PTY LTD; Tyson, S.; McCarthy, R.
(11) AU-A-2024278223
(21) 2024278223 **(22)** 09.12.2024
(54) A Jump Cup, A Jump Cup Assembly and A Jump
(51) Int. Cl.
A63K 3/04 (2006.01)
A63B 5/02 (2006.01)
A63B 5/06 (2006.01)
(43) 02.01.2025
(62) 2023267303
(72) TYSON, Sarah Danielle; MCCARTHY, Russell Scott
(74) WRAYS PTY LTD

(71) Ward, J.; Reiter, G.
(11) AU-A-2024203835
(21) 2024203835 **(22)** 06.06.2024
(54) Integrated water capture and electrolysis
(51) Int. Cl.
C25B 1/04 (2021.01)
B01D 53/26 (2006.01)
C25B 1/02 (2006.01)
C25B 15/08 (2006.01)
C02F 1/68 (2023.01)
C25B 9/65 (2021.01)
H01M 8/00 (2016.01)
H02S 10/00 (2014.01)
(31) 2023901788 **(32)** 06.06.23 **(33)** AU
(31) 2023901790 **(32)** 06.06.23 **(33)** AU
(43) 02.01.2025
(72) WARD, Jarrod; REITER, Gerard
(74) Spruson & Ferguson

(71) Watkins-Conti Products, Inc.
(11) AU-A-2024278322
(21) 2024278322 **(22)** 12.12.2024
(54) Intravaginal support devices and methods
(51) Int. Cl.

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(43) 02.01.2025	(72) PACHOUD, William; CHAPEL, Steve
(62) 2019233913	(74) FPA Patent Attorneys Pty Ltd
(72) CONTI, Allison	
(74) Spruson & Ferguson	

(71) Whirlpool Corporation
 (11) AU-A-2024203848
 (21) 2024203848 (22) 06.06.2024
 (54) Mixing appliance and method of operating
 (51) Int. Cl.
A47J 43/08 (2006.01)
A47J 43/046 (2006.01)
A47J 44/00 (2006.01)
 (31) 63/471,865 (32) 08.06.23 (33) US
 18/734,498 05.06.24 US
 (43) 02.01.2025
 (72) Bradley, Samuel J.; Leitert, Andrew;
 Shewale, Pravin R.
 (74) Griffith Hack

(71) YETI Coolers, LLC
 (11) AU-A-2024278191
 (21) 2024278191 (22) 06.12.2024
 (54) Closure and lid and method of forming closure and lid
 (51) Int. Cl.
B65D 47/28 (2006.01)
A47G 19/22 (2006.01)
B65D 47/32 (2006.01)
 (43) 02.01.2025
 (62) 2021322575
 (72) JINKINS, Cody; BONDHUS, Andy;
 RANE, Mark Carlson; BULLOCK,
 Dustin; FRITZ, John; DRINKWATER,
 William; BRYSON, Matthew; RUCHTE,
 Elizabeth
 (74) GLMR

ZHANG, K. see GAO, Y.
 (21) 2023444874

(71) Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.
 (11) AU-A-2023219939
 (21) 2023219939 (22) 24.08.2023
 (54) SOLAR CELL AND METHOD FOR PRODUCING THE SAME
 (51) Int. Cl.
H01L 31/0236 (2006.01)
 (31) 202310678819.2 (32) 08.06.23 (33) CN
 (43) 02.01.2025
 (72) Chen, Yifan; Li, Wenqi; Xie, Minghui;
 Zhang, Guochun
 (74) Madderns Pty Ltd

(71) Zonit Structured Solutions, LLC
 (11) AU-A-2024278166
 (21) 2024278166 (22) 05.12.2024
 (54) Management module, Z-strip, and mini-ATS systems and related components
 (51) Int. Cl.
H05K 7/14 (2006.01)

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A01H 17/00 (2006.01)
A01N 63/20 (2020.01)
A01P 21/00 (2006.01)
C07K 14/195 (2006.01)
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F28F 1/40 (2006.01)
F25B 39/02 (2006.01)
F28D 1/047 (2006.01)
F28F 13/04 (2006.01)
F28F 13/12 (2006.01)
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C07D 401/06 (2006.01)
A61K 31/438 (2006.01)
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A61K 31/506 (2006.01)
A61K 31/5377 (2006.01)
A61K 31/5386 (2006.01)
C07D 209/52 (2006.01)
C07D 401/14 (2006.01)
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A61K 47/69 (2017.01)
C07C 219/08 (2006.01)
C07D 295/088 (2006.01)
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C07K 14/47 (2006.01)
C12N 15/70 (2006.01)
C12N 15/75 (2006.01)
C12N 15/81 (2006.01)
C12R 1/125 (2006.01)
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B04B 5/04 (2006.01)
C12M 1/26 (2006.01)
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 COMPRISING THE BIFUNCTIONAL
 COMPOUND, AND METHOD FOR
 TREATING ANDROGEN RECEPTOR
 RELATED DISEASE BY USING THE
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C07D 487/04 (2006.01)
A61K 31/4545 (2006.01)
A61K 31/496 (2006.01)
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A61P 17/00 (2006.01)
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 PHARMACEUTICAL COMPOSITION
 COMPRISING THE BIFUNCTIONAL
 COMPOUND, AND METHOD FOR
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 (51) Int. Cl.
C07D 487/04 (2006.01)
A61K 31/4545 (2006.01)
A61K 31/496 (2006.01)
A61P 13/08 (2006.01)
A61P 17/00 (2006.01)
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F16B 2/02 (2006.01)
F16B 2/20 (2006.01)
F16M 11/04 (2006.01)
F16M 11/14 (2006.01)
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H04B 1/3877 (2015.01)
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C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
A61P 37/00 (2006.01)

C07K 19/00 (2006.01)
C12N 5/10 (2006.01)
C12N 7/01 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd

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A63B 71/14 (2006.01)
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(74) Patent Attorney Services

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H10K 85/10 (2023.01)
F41H 1/02 (2006.01)
F41H 1/04 (2006.01)
F41H 5/04 (2006.01)
F41H 5/06 (2006.01)
F41H 7/00 (2006.01)
H01B 12/00 (2006.01)
H01G 11/48 (2013.01)
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F16L 37/00 (2006.01)
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A01H 5/12 (2018.01)
A01H 6/02 (2018.01)
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B32B 29/08 (2006.01)
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B65D 5/56 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd

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C12N 5/07 (2010.01)
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C12N 5/00 (2006.01)
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A61N 1/36 (2006.01)
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G06N 3/049 (2023.01)
G06N 3/02 (2006.01)
G06N 20/00 (2019.01)
G06N 3/00 (2023.01)
(87) WO2023/250092
(31) 63/354,525 (32) 22.06.22 (33) US
(43) 28.12.2023
(72) COENEN, Olivier Jean-Marie Dominique
(74) RnB IP Pty Ltd
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- (71) BRAINCHIP, INC.
(11) AU-A-2023289134
(21) 2023289134 (22) 22.06.2023
(54) METHOD AND SYSTEM FOR IMPLEMENTING TEMPORAL CONVOLUTION IN SPATIOTEMPORAL NEURAL NETWORKS
(51) Int. Cl.
G06N 3/049 (2023.01)
G06N 3/02 (2006.01)
G06N 20/00 (2019.01)
G06N 3/00 (2023.01)
(87) WO2023/250093
(31) 63/354,542 (32) 22.06.22 (33) US
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(72) COENEN, Olivier Jean-Marie Dominique; PEI, Yan Ru
(74) RnB IP Pty Ltd
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- (71) BRIDGESTONE CORPORATION
(11) AU-A-2023315283
(21) 2023315283 (22) 26.05.2023
(54) METHOD FOR PRODUCING TIRE AND TIRE
(51) Int. Cl.
B29C 33/02 (2006.01)
B29C 33/12 (2006.01)
B29C 35/02 (2006.01)
B29D 30/06 (2006.01)
B60C 19/00 (2006.01)
B29L 30/00 (2006.01)
(87) WO2024/024255
(31) 2022-118281 (32) 25.07.22 (33) JP
(43) 01.02.2024
(72) KATSUNO Hiroyuki
(74) Griffith Hack
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- (71) BRIGHT DAIRY & FOOD CO., LTD
(11) AU-A-2023324639
(21) 2023324639 (22) 19.07.2023
(54) A Lactiplantibacillus plantarum strain, uses and dairy products thereof
(51) Int. Cl.
A23C 9/12 (2006.01)
A23C 9/123 (2006.01)
A23C 9/127 (2006.01)
A23L 9/10 (2016.01)
(31) 202310676181.9 (32) 08.06.23 (33) CN
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(43) 02.01.2025
(72) HAN, Jin; LIU, Zhenmin; WU, Zhengjun; HUANG, Xiaoyu
(74) Madderns Pty Ltd
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- (71) BRISBY, INC.
(11) AU-A-2023269639
(21) 2023269639 (22) 11.05.2023
(54) PET BED WITH VITAL SIGN MONITORING
(51) Int. Cl.
A61B 5/11 (2006.01)
A01K 1/035 (2006.01)
A61B 5/024 (2006.01)
A61G 7/05 (2006.01)
(87) WO2023/220252
(31) 63/340,649 (32) 11.05.22 (33) US
(43) 16.11.2023
(72) NICHOL, Jamie, Gordon
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(71) BROWNLOW, G. (11) AU-A-2023306408 (21) 2023306408 (22) 19.06.2023 (54) METHOD OF COATING A PIPE (51) Int. Cl. B29C 48/151 (2019.01) B29C 48/00 (2019.01) B29C 48/25 (2019.01) B29C 48/92 (2019.01) (87) WO2024/016023 (31) 2022/06449 (32) 12.07.22 (33) ZA (43) 18.01.2024 (72) BROWNLOW, George (74) A.P.T. Patent and Trade Mark Attorneys	(71) CAPRI MEDICAL LIMITED (11) AU-A-2023286749 (21) 2023286749 (22) 15.06.2023 (54) SLEEP APNEA TREATMENT SYSTEM AND METHOD (51) Int. Cl. A61N 1/05 (2006.01) A61B 17/34 (2006.01) A61N 1/36 (2006.01) (87) WO2023/247333 (31) 63/354,463 (32) 22.06.22 (33) US 18/198,750 17.05.23 US (43) 28.12.2023 (72) WARD, Fergal; LEWIS, Ross; VALLEJO, Ricardo; CUARTAS, Jorge Armando; HERZOG, Michael; CEDANO, David; NOYES, Willard (74) WRAYS PTY LTD	(71) CAREGEN CO., LTD. (11) AU-A-2023282713 (21) 2023282713 (22) 12.05.2023 (54) PEPTIDE EXHIBITING MUSCLE LOSS PREVENTION AND MUSCLE MASS PROMOTION ACTIVITIES, AND USE THEREOF (51) Int. Cl. C07K 7/06 (2006.01) A23L 33/18 (2016.01) A61K 38/00 (2006.01) A61P 21/00 (2006.01) (87) WO2023/239069 (31) 10-2022-0071033 (32) 10.06.22 (33) KR (43) 14.12.2023 (72) CHUNG, Yong Ji; KIM, Eun Mi; KIM, Seon Soo (74) Griffith Hack
(71) BYD COMPANY LIMITED (11) AU-A-2023271145 (21) 2023271145 (22) 17.05.2023 (54) VEHICLE TORQUE CONTROL METHOD, PROCESSING APPARATUS, AND VEHICLE (51) Int. Cl. B60L 15/20 (2006.01) (87) WO2023/222054 (31) 202210557476.X (32) 20.05.22 (33) CN (43) 23.11.2023 (72) LIAN, Yubo; LING, Heping; SHI, Mingchuan; ZHANG, Hao; LI, Pengxiang (74) Michael Buck IP	(71) CAPRI MEDICAL LIMITED (11) AU-A-2023295851 (21) 2023295851 (22) 15.06.2023 (54) METHOD OF PERCUTANEOUSLY IMPLANTING A MEDICAL IMPLANT AND A DELIVERY DEVICE FOR PERCUTANEOUS DELIVERY OF A MEDICAL IMPLANT (51) Int. Cl. A61N 1/372 (2006.01) A61B 17/34 (2006.01) (87) WO2023/242368 (31) 17/840,994 (32) 15.06.22 (33) US 18/198,739 17.05.23 US (43) 21.12.2023 (72) WARD, Fergal; LEWIS, Ross (74) WRAYS PTY LTD	(71) CASCO SIGNAL LTD. (11) AU-A-2022474525 (21) 2022474525 (22) 09.11.2022 (54) SWITCHING SYSTEM AND SWITCHING METHOD FOR MULTIPLE TRAIN SUPERVISION SYSTEMS (51) Int. Cl. B61L 27/00 (2022.01) H04L 12/00 (2006.01) (87) WO2024/036772 (31) 202210994471.3 (32) 18.08.22 (33) CN (43) 22.02.2024 (72) ZHOU, Gongjian; LIU, Ling; LI, Jianquan; ZHOU, Tingliang; QIAN, Jiang; ZHAO, Ying; OUYANG, Xue (74) LexGeneris Pty Ltd
(71) C.M.C. S.P.A. (11) AU-A-2023278488 (21) 2023278488 (22) 30.05.2023 (54) AN APPARATUS FOR REALISING AT LEAST TWO CONTINUOUS CARDBOARD STRIPS OF DIFFERENT WIDTH FOR PACKAGING BY CONSECUTIVELY JOINING A RESPECTIVE PLURALITY OF CARDBOARD SHEETS FOR PACKAGING OF DIFFERENT WIDTH TO ONE ANOTHER (51) Int. Cl. B31F 5/04 (2006.01) B31B 50/06 (2017.01) B31B 50/16 (2017.01) B31B 50/62 (2017.01) B65B 43/14 (2006.01) (87) WO2023/233287 (31) 102022000011597 (32) 01.06.22 (33) IT	(71) CARBIOS (11) AU-A-2023293920 (21) 2023293920 (22) 13.06.2023 (54) PROCESS FOR PURIFYING MONOETHYLENE GLYCOL (51) Int. Cl. C07C 29/76 (2006.01) C07C 29/09 (2006.01) C07C 29/80 (2006.01) C07C 31/20 (2006.01) C08J 11/10 (2006.01) (87) WO2023/242197	(71) CATERPILLAR INC. (11) AU-A-2023283695 (21) 2023283695 (22) 23.05.2023 (54) ROUTE GRAPH CREATION SYSTEM (51) Int. Cl. G06Q 10/047 (2023.01) B25J 5/00 (2006.01) B66F 9/06 (2006.01) H02S 10/00 (2014.01) (87) WO2023/239550 (31) 202211032826 (32) 08.06.22 (33) IN (43) 14.12.2023 (72) RAJENDRAN, Duraivel; DAVANAM, Venkata Harshith S (74) Patent Attorney Services
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(72) GALAT, Michael S.; AKINLUA, Temitope O.
(74) Patent Attorney Services
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- (71)** CCTEG XI'AN RESEARCH INSTITUTE (GROUP) CO., LTD
(11) AU-A-2023422649
(21) 2023422649 **(22)** 22.09.2023
(54) METHOD AND SYSTEM FOR IDENTIFYING AQUIFER FISSURE SEEPAGE CHANNEL
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E21B 47/103 (2012.01)
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(72) NING, Dianyan; ZHU, Kaipeng; WANG, Shidong; LIU, Yingfeng; GUO, Xiaoming; WANG, Fang
(74) Cooper IP Pty Ltd
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- (71)** CELLVIE AG
(11) AU-A-2023285014
(21) 2023285014 **(22)** 12.06.2023
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(51) Int. Cl.
A61K 48/00 (2006.01)
B82Y 5/00 (2011.01)
C12N 15/87 (2006.01)
(87) WO2023/237788
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(72) SEPTIADI, Dedy; LYTOVCHENKO, Oleksandr; DUMAUTHIOZ, Nina
(74) GLMR
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- (71)** CEPHALON LLC
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(54) ANTI-PD-1 ANTIBODY-ATTENUATED IL-2 IMMUNOCONJUGATES AND USES THEREOF
(51) Int. Cl.
C07K 16/28 (2006.01)
C07K 14/55 (2006.01)
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(74) Davies Collison Cave Pty Ltd
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- (71)** CHART ENERGY & CHEMICALS, INC.
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(21) 2023284417 **(22)** 05.06.2023
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- (54)** CRYOGENIC GAS COOLING SYSTEM AND METHOD
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F25J 1/00 (2006.01)
F25J 1/02 (2006.01)
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(31) 63/349,354 **(32)** 06.06.22 **(33)** US
(43) 14.12.2023
(72) KNOCHE, Martin
(74) Spruson & Ferguson
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- (71)** CHECKPOINT SYSTEMS, INC.
(11) AU-A-2023280883
(21) 2023280883 **(22)** 31.05.2023
(54) INTEGRATED PRODUCT SURVEILLANCE SYSTEM USING EAS ANTENNA
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G08B 13/24 (2006.01)
H01Q 1/22 (2006.01)
(87) WO2023/235382
(31) 63/348,048 **(32)** 02.06.22 **(33)** US
(43) 07.12.2023
(72) SHAH, Nimesh; HOWELLS, Steve; YANOTTI, Hernan; TAVIO, Javier; SALUDES, Noe; FORTEZA, Lucas Gassó
(74) Jones Tulloch
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- (71)** CHECKPOINT SYSTEMS, INC.
(11) AU-A-2023280972
(21) 2023280972 **(22)** 02.06.2023
(54) RFID ANTENNA FOR REJECTING UNWANTED RF SIGNALS
(51) Int. Cl.
H01Q 5/307 (2015.01)
H01Q 1/22 (2006.01)
H01Q 5/50 (2015.01)
H01Q 9/28 (2006.01)
H01Q 21/06 (2006.01)
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(31) 63/348,616 **(32)** 03.06.22 **(33)** US
(43) 07.12.2023
(72) WEAKLEY, Thomas; LI, Morui
(74) Jones Tulloch
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- (71)** CHENGDU SHIBEIKANG BIOMEDICAL TECHNOLOGY CO., LTD.
(11) AU-A-2023290344
(21) 2023290344 **(22)** 16.06.2023
(54) PHARMACEUTICAL COMPOSITION FOR TREATING AND RESISTING BLOOD COAGULATION AND USE THEREOF
(51) Int. Cl.
A61K 31/4365 (2006.01)
A61K 9/20 (2006.01)
A61P 7/02 (2006.01)
A61P 9/10 (2006.01)
A61P 25/00 (2006.01)
(87) WO2023/241688
(31) 202210688248.6 **(32)** 17.06.22 **(33)** CN
(43) 21.12.2023
(72) ZHANG, Hai; NIE, Yu; MOU, Xia; SU, Yongwen; YI, Zeqin
(74) Minter Ellison
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- (71)** CHERY AUTOMOBILE CO., LTD.
(11) AU-A-2022467834
(21) 2022467834 **(22)** 25.11.2022
(54) HYBRID POWER SYSTEM AND HYBRID VEHICLE WITH SAME
(51) Int. Cl.
B60K 6/38 (2007.10)
B60K 6/24 (2007.10)
B60K 6/26 (2007.10)
(87) WO2024/001014
(31) 202210753220.6 **(32)** 28.06.22 **(33)** CN
(43) 04.01.2024
(72) ZHANG, Wensen; LIU, Yongfu; XU, Chuanfei; SUN, Longfang; LI, Xiang
(74) Griffith Hack
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- (71)** CHERY AUTOMOBILE CO., LTD.
(11) AU-A-2023337284
(21) 2023337284 **(22)** 08.09.2023
(54) HYDRAULIC SYSTEM FOR HYBRID GEARBOX AND AUTOMOBILE
(51) Int. Cl.
F15B 11/17 (2006.01)
F15B 13/06 (2006.01)
F16H 61/40 (2010.01)
(87) WO2024/051798
(31) 202211105287.5 **(32)** 09.09.22 **(33)** CN
(43) 14.03.2024
(72) ZHANG, Hengxian; ZHOU, Zhiguang; YE, Yuanlong; LI, Shuangluan
(74) Griffith Hack
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- (71)** CHERY AUTOMOBILE CO., LTD.
(11) AU-A-2023356403
(21) 2023356403 **(22)** 26.09.2023
(54) CONTROL METHOD AND APPARATUS FOR GEAR SHIFTING IN HYBRID ELECTRIC VEHICLE, AND STORAGE MEDIUM
(51) Int. Cl.
B60W 20/00 (2016.01)
B60W 10/11 (2012.01)
B60W 20/15 (2016.01)
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(74) Griffith Hack

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(11) AU-A-2023416609
(21) 2023416609 (22) 26.12.2023
(54) END-TO-END DATA ENCRYPTION COMMUNICATION SYSTEM AND METHOD
(51) Int. Cl.
H04L 67/12 (2022.01)
(87) WO2024/140644
(31) 202211695670.0 (32) 28.12.22 (33) CN
(43) 04.07.2024
(72) ZHANG, Shibing; XU, Daxue; JIANG, Hao
(74) Griffith Hack

(71) CHEVRON U.S.A. INC.
(11) AU-A-2022469802
(21) 2022469802 (22) 15.07.2022
(54) SUBSEA STRUCTURE MONITORING SYSTEMS AND METHODS
(51) Int. Cl.
B63B 22/06 (2006.01)
B63B 22/28 (2006.01)
F17D 5/06 (2006.01)
(87) WO2024/015069
(43) 18.01.2024
(72) TANJU, Baha, Tulu; SCHAUB, Charles
(74) FPA Patent Attorneys Pty Ltd

(71) CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.
(11) AU-A-2023274398
(21) 2023274398 (22) 18.05.2023
(54) METHOD AND APPARATUS FOR DETERMINING CANDIDATE PDSCH RECEIVING OCCASION, AND RELATED DEVICE
(51) Int. Cl.
H04L 5/00 (2006.01)
H04L 1/00 (2006.01)
H04L 1/18 (2023.01)
(87) WO2023/226869
(31) 202210561861.1 (32) 23.05.22 (33) CN
(43) 30.11.2023
(72) YANG, Tuo
(74) Adams Pluck

(71) CHINA PETROLEUM & CHEMICAL CORPORATION; SINOPEC (BEIJING) RESEARCH INSTITUTE OF CHEMICAL INDUSTRY CO., LTD.
(11) AU-A-2023273872
(21) 2023273872 (22) 19.05.2023
(54) SEPARATION MEMBRANE, PREPARATION METHOD THEREFOR AND USE THEREOF
(51) Int. Cl.
B01D 71/56 (2006.01)
B01D 67/00 (2006.01)

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(72) WU, Changjiang; ZHANG, Yang; LIU, Yiqun; PAN, Guoyuan; YU, Hao; ZHAO, Muhua; ZHAO, Guoke; TANG, Gongqing; ZHANG, Jianhua; DU, Wenjie
(74) WRAYS PTY LTD

(71) CHR. HANSEN A/S
(11) AU-A-2023296626
(21) 2023296626 (22) 28.06.2023
(54) INHIBITION OF SACCHAROMYCES BY PICHIA KLUYVERI
(51) Int. Cl.
C12N 1/16 (2006.01)
C12C 11/00 (2006.01)
C12C 12/00 (2006.01)
C12C 12/04 (2006.01)
C12G 1/00 (2019.01)
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(31) 22182260.4 (32) 30.06.22 (33) EP
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(43) 04.01.2024
(72) SLOTH, Emilie Urban; CARLSEN, Simon; PEREIRA, Camilla Maciel Rabelo; SCHNABL, Jannie; ANDERSEN, Jesper Kjeldgaard
(74) Spruson & Ferguson

(71) CIDRA CONCRETE SYSTEMS INC.
(11) AU-A-2023297849
(21) 2023297849 (22) 26.06.2023
(54) HYDRAULIC PRESSURE (HP)/SLUMP ALERTING TECHNIQUE
(51) Int. Cl.
G01N 29/02 (2006.01)
B28C 5/42 (2006.01)
B28C 7/02 (2006.01)
G01F 1/74 (2006.01)
G01N 33/38 (2006.01)
G01N 11/00 (2006.01)
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(72) BIESAK, John, A.; GATCOMB, Christopher, Donlon; LOOSE, Douglas, Harold; MANNING, Chase, Michael; NEWTON, David, Vincent; SEIFERT, Maxwell, Martin
(74) PHILLIPS ORMONDE FITZPATRICK

(71) CLEARNOTE HEALTH, INC.
(11) AU-A-2023281637
(21) 2023281637 (22) 02.06.2023
(54) PREDICTING AND DETERMINING EFFICACY OF A LUNG CANCER THERAPY IN A PATIENT
(51) Int. Cl.
C12Q 1/6886 (2018.01)
C12Q 1/6809 (2018.01)
G16H 50/30 (2018.01)
C12Q 1/6827 (2018.01)
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(72) LEVY, Samuel; GULER, Gulfem Dilek; NING, Yuhong; HAAN, David
(74) FB Rice Pty Ltd

(71) CNH INDUSTRIAL AMERICA LLC
(11) AU-A-2023290106
(21) 2023290106 (22) 14.06.2023
(54) AGRICULTURAL HEADER WITH A DRAPER BELT INCLUDING A SEED SAVER DISPOSED BEHIND ONE OR MORE CROP RAMPS
(51) Int. Cl.
A01D 41/14 (2006.01)
A01D 57/20 (2006.01)
A01D 57/26 (2006.01)
(87) WO2023/244655
(31) 17/841,102 (32) 15.06.22 (33) US
(43) 21.12.2023
(72) THOMAS, Jeffrey D.; COOK, Joel T.
(74) Griffith Hack

(71) CONOHAN, J.
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(21) 2023272770 (22) 19.05.2023
(54) A CONTAINER FOR A SUBSTANCE
(51) Int. Cl.
G10K 9/02 (2006.01)
A45F 3/16 (2006.01)
A45F 4/00 (2006.01)
A47G 19/22 (2006.01)
B65D 79/00 (2006.01)
(87) WO2023/220835
(31) 63/344,228 (32) 20.05.22 (33) US
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(72) CONOHAN, Jonathan
(74) Oxygene IP

(71) CONVATEC LIMITED
(11) AU-A-2023332379
(21) 2023332379 (22) 22.08.2023
(54) OSTOMY POUCH
(51) Int. Cl.
A61F 5/445 (2006.01)
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(72) LEE, Bryony; CARTY, Neal; HILL, Monica
(74) Houlihan Intellectual Property Pty Ltd

(71) COOPERVISION INTERNATIONAL LIMITED
(11) AU-A-2024273946
(21) 2024273946 (22) 14.05.2024
(54) RADIATION BLOCKERS FOR CONTACT LENSES
(51) Int. Cl.
G02B 1/04 (2006.01)
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(31) 2307235.8 (32) 15.05.23 (33) GB
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SIMPSON, Laura
- (74) Griffith Hack
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(11) AU-A-2023267834
(21) 2023267834 (22) 12.05.2023
(54) MRNA ENCODING A CONSTITUTIVELY-ACTIVE CYCLIC GMP-AMP SYNTHASE AND LIPID DELIVERY VEHICLES FOR SAME
(51) Int. Cl.
A61K 39/00 (2006.01)
A61K 39/39 (2006.01)
A61P 37/00 (2006.01)
A61P 37/04 (2006.01)
C12N 9/00 (2006.01)
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C12N 15/88 (2006.01)
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(31) 63/341,987 (32) 13.05.22 (33) US
(43) 16.11.2023
(72) GOSSELIN, Emily; ZHIVAKI, Dania; CHOW, Jonathan; NIKIFOROV, Anastasia; SENGUPTA, Debrup
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(51) Int. Cl.
A61K 39/39 (2006.01)
A61P 37/04 (2006.01)
C12N 9/12 (2006.01)
C12N 15/88 (2006.01)
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(54) TRICYCLIC COMPOUNDS AND USES THEREOF
(51) Int. Cl.
C07D 487/06 (2006.01)
A61K 31/519 (2006.01)
A61P 35/00 (2006.01)
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A61P 35/00 (2006.01)
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A61K 51/04 (2006.01)
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(51) Int. Cl.
C07K 16/44 (2006.01)
A61K 39/00 (2006.01)
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A61P 37/02 (2006.01)
C07K 16/28 (2006.01)
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C07K 16/44 (2006.01)
A61K 39/395 (2006.01)
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C07K 16/46 (2006.01)
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C07K 16/28 (2006.01)
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A61P 31/04 (2006.01)
A61P 31/12 (2006.01)
A61P 35/00 (2006.01)
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C07K 16/44 (2006.01)
C07K 16/46 (2006.01)
C12N 5/0783 (2010.01)
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B01D 15/38 (2006.01)
B01D 15/20 (2006.01)
B01J 20/28 (2006.01)
B01J 20/32 (2006.01)
C07H 1/06 (2006.01)
C07K 1/16 (2006.01)
C12N 15/10 (2006.01)
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(54) ADJUSTABLE MOUNTING FRAME FOR AN ELECTRONIC DISPLAY
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G09F 9/302 (2006.01)
G09F 19/22 (2006.01)
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(51) Int. Cl.

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G01N 17/04 (2006.01)	(31) 63/350,654 (32) 09.06.22 (33) US	(43) 07.12.2023		
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(72) TAN, Mike Yongjun; VARELA, Facundo Nahuel				
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B01D 53/06 (2006.01)	C07C 61/15 (2006.01)	G16H 20/17 (2018.01)		
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(54) AN APPARATUS AND METHOD FOR VISUAL INSPECTION	(54) ACETABULAR PROSTHESIS WITH ADJUSTABLE ACETABULAR CUP CAGES	(54) LIQUID SUSPENSION CONCENTRATE AND METHODS OF MANU-FACTURE AND USE		
(51) Int. Cl.	(51) Int. Cl.	(51) Int. Cl.		
G01N 21/88 (2006.01)	A61F 2/34 (2006.01)	A01N 43/64 (2006.01)		
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C12N 1/04 (2006.01)
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C12P 19/00 (2006.01)
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A61P 3/10 (2006.01)
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B65D 75/36 (2006.01)
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B61D 7/28 (2006.01)
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(54) ENGINEERED POLYMERASES WITH IMPROVED THERMAL STABILITY
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C12N 9/22 (2006.01)
C12N 15/52 (2006.01)
C12N 15/80 (2006.01)
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(54) TIRZEPATIDE COMPOSITIONS AND USE
(51) Int. Cl.
A61K 9/00 (2006.01)
A61K 38/26 (2006.01)
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A61P 3/04 (2006.01)
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) EMERGING COMPOUNDS TREATMENT TECHNOLOGIES, INC.
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 (21) 2023294612 (22) 12.06.2023
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 (51) Int. Cl.
C02F 1/72 (2023.01)
C02F 1/52 (2023.01)
C02F 3/12 (2023.01)
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 (72) NICKELSEN, Michael, G.; WOODARD, Steven, E.; BERRY, John, C.
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (21) 2023271672 (22) 27.04.2023
 (54) ENERGY STORAGE AND DELIVERY SYSTEM AND METHOD
 (51) Int. Cl.
F03G 3/00 (2006.01)
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 (72) PEDRETTI, Andrea
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 (51) Int. Cl.
E21D 21/00 (2006.01)
B21D 22/00 (2006.01)
E21D 11/15 (2006.01)
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 (72) HANCOCK, Eamonn Joseph
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 (51) Int. Cl.
B01J 21/04 (2006.01)
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B01J 35/38 (2024.01)
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B01J 37/00 (2006.01)
B01J 37/02 (2006.01)
B01J 37/08 (2006.01)
C07C 1/04 (2006.01)
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A61K 35/74 (2015.01)
A23L 33/135 (2016.01)
A61K 8/99 (2017.01)
A61K 45/06 (2006.01)
A61P 17/14 (2006.01)
A61Q 5/00 (2006.01)
A61Q 7/00 (2006.01)
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A01H 1/00 (2006.01)
A01H 1/04 (2006.01)
A01H 5/12 (2018.01)
A01H 6/14 (2018.01)
C12N 15/82 (2006.01)
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E21C 39/00 (2006.01)

E21B 7/02 (2006.01)
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G01C 21/16 (2006.01)
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A61M 16/00 (2006.01)
A61M 16/04 (2006.01)
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A61K 39/00 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
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B23K 9/04 (2006.01)
B22F 10/22 (2021.01)
B22F 10/25 (2021.01)
B22F 10/50 (2021.01)

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B23K 9/095 (2006.01)
B23K 9/16 (2006.01)
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B23K 28/02 (2014.01)
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G06F 3/16 (2006.01)
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G10H 1/00 (2006.01)
G11B 20/10 (2006.01)
G11B 27/028 (2006.01)
H03G 1/02 (2006.01)
H03G 5/06 (2006.01)
H03G 9/04 (2006.01)
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C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 16/46 (2006.01)
C12N 5/10 (2006.01)
C12N 15/13 (2006.01)
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G01N 33/53 (2006.01)
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G06N 20/00 (2019.01)
G06N 3/02 (2006.01)
G06T 7/00 (2017.01)
G16H 50/20 (2018.01)
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A01J 5/007 (2006.01)
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A61K 31/7016 (2006.01)
A61K 31/542 (2006.01)
A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
C07K 16/22 (2006.01)
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C12P 19/12 (2006.01)
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A61P 35/00 (2006.01)
A61K 31/501 (2006.01)
A61K 31/519 (2006.01)
A61K 31/52 (2006.01)
C07D 401/14 (2006.01)
C07D 417/14 (2006.01)
C07D 471/04 (2006.01)
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C12N 15/864 (2006.01)
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C07K 16/28 (2006.01)
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A61P 35/00 (2006.01)
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A61K 48/00 (2006.01)
C12N 15/117 (2010.01)
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H04W 52/02 (2009.01)
H04B 7/185 (2006.01)
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B65D 3/04 (2006.01)
B65D 3/28 (2006.01)
B65D 43/16 (2006.01)
B65D 77/20 (2006.01)
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(72) NAUKKARINEN, Anna; HERLIN, Henrik; MELIN, Filippa
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) GRAPHIC PACKAGING INTERNATIONAL, LLC
(11) AU-A-2023301227
(21) 2023301227 (22) 29.06.2023
(54) COMPOSITE CONTAINERS FOR BULK SOLIDS, RELATED SYSTEMS AND METHODS
(51) Int. Cl.
B65D 3/04 (2006.01)
B65D 3/28 (2006.01)
B65D 43/16 (2006.01)
B65D 77/20 (2006.01)
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(43) 04.01.2024
(72) NAUKKARINEN, Anna
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) GREAT EASTERN ENTERTAINMENT COMPANY
(11) AU-A-2022461821
(21) 2022461821 (22) 29.12.2022
(54) PLUSH TOY WITH INTERNAL SKELETON AND ROTATABLE HEAD
(51) Int. Cl.
A63H 3/46 (2006.01)
A63H 3/02 (2006.01)
A63H 3/04 (2006.01)
A63H 3/16 (2006.01)
A63H 3/50 (2006.01)
(87) WO2023/234968
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(72) HSU, Kent
(74) FPA Patent Attorneys Pty Ltd
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- (71) GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI
(11) AU-A-2023301836
(21) 2023301836 (22) 14.04.2023
(54) METHOD AND APPARATUS FOR CONTROLLING MULTI-MODULE WATER CHILLING UNIT
(51) Int. Cl.
F25D 29/00 (2006.01)
(87) WO2024/007669
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(72) ZHOU, Huifang; CHENG, Qi; ZHOU, Jin
(74) Davies Collison Cave Pty Ltd
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- (71) GREENER BLUE LIMITED
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(21) 2023273266 (22) 16.05.2023
(54) PASSIVE BLENDER
(51) Int. Cl.
B01F 23/10 (2022.01)
B01F 25/00 (2022.01)
B01F 25/314 (2022.01)
B01F 25/431 (2022.01)
B01F 25/4314 (2022.01)

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(72) MUGGLETON, Kevin James
(74) FB Rice Pty Ltd

(71) GURULOGIC MICROSYSTEMS OY
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(21) 2023274956 (22) 19.05.2023
(54) METHODS AND ARRANGEMENTS
FOR ENABLING SECURE DIGIT-
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GROUP
(51) Int. Cl.
H04L 9/08 (2006.01)
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H04L 9/32 (2006.01)
H04L 9/40 (2022.01)
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(72) KÄRKKÄINEN, Tuomas
(74) FB Rice Pty Ltd

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(21) 2022470561 (22) 19.07.2022
(54) METHOD, DEVICE AND EQUIPMENT
FOR DETECTING AN ELECTRIC ARC
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(51) Int. Cl.
G01R 31/12 (2020.01)
G01R 19/25 (2006.01)
G06N 3/08 (2023.01)
(87) WO2024/018119
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(72) BRITSCH, Nicolas; VU, Hien Duc;
SCHWEITZER, Patrick; WEBER, Serge
(74) Halfords IP

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ELECTRICAL APPARATUS AND AS-
SOCIATED CONNECTION MODULE
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H01H 71/08 (2006.01)
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(72) KIBLER, Arnaud; RIGAUD, Julien;
WERNER, Dominique
(74) Halfords IP

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PROTECTION APPARATUS
(51) Int. Cl.
H01H 9/36 (2006.01)

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(72) CHAMAGNE, Alexandre; KIBLER,
Arnaud; PHILIPPE, Paul; RIGAUD, Ju-
lien
(74) Halfords IP

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(21) 2022489210 (22) 13.12.2022
(54) DIFFERENTIAL MEASUREMENT
TORUS FOR AN ELECTRICAL DIF-
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ATUS AND ASSOCIATED ELECTRIC-
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PARATUS
(51) Int. Cl.
H01F 38/30 (2006.01)
G01R 31/52 (2020.01)
H01F 27/02 (2006.01)
H01F 27/06 (2006.01)
H01F 27/30 (2006.01)
H01H 83/14 (2006.01)
H02H 3/32 (2006.01)

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(72) PHILIPPE, Paul
(74) Halfords IP

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(21) 2023266865 (22) 11.05.2023
(54) CAMPTOTHECIN DERIVATIVE AND
LIGAND-DRUG CONJUGATE
(51) Int. Cl.
A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
C07D 491/22 (2006.01)
C07K 16/28 (2006.01)

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an; CHAI, Xiaojuan; YU, Zhiyong;
TANG, Feng; CAO, Zhuoxiao; TANG,
Renhong
(74) FB Rice Pty Ltd

(71) HANSON LIFT (SUZHOU) CO., LTD.
(11) AU-A-2023415321
(21) 2023415321 (22) 19.04.2023
(54) MODERNIZATION ESCALATOR
(51) Int. Cl.
B66B 23/00 (2006.01)
(87) WO2024/138961
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(43) 04.07.2024
(72) ZHU, Xueming; ZHANG, Yunlong; NIU,
Ziyu
(74) FPA Patent Attorneys Pty Ltd

(71) HASKONINGDHV NEDERLAND B.V.
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(54) AEROBIC BIOLOGICAL WASTEW-
ATER TREATMENT IN A CONTINUOUS
FLOW REACTOR

(51) Int. Cl.
C02F 3/12 (2023.01)
C02F 3/30 (2023.01)
C02F 3/00 (2023.01)

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(43) 14.12.2023
(72) VAN DIJK, Edward John Henrik;
PRONK, Mario; HAAKSMAN, Viktor Al-
bert
(74) FB Rice Pty Ltd

(71) HE3DA S.R.O.
(11) AU-A-2023302482
(21) 2023302482 (22) 04.07.2023
(54) COMPOSITE INORGANIC SEPARAT-
OR FOR LITHIUM BATTERIES HAV-
ING THREE-DIMENSIONAL ELEC-
TRODES
(51) Int. Cl.
H01M 4/58 (2010.01)
H01M 10/052 (2010.01)
H01M 50/437 (2021.01)
H01M 50/44 (2021.01)
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H01M 4/02 (2006.01)

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(31) PV 2022-300 (32) 05.07.22 (33) CZ
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(72) PROCHAZKA, Jan; TREJBAL, Eduard
(74) PHILLIPS ORMONDE FITZPATRICK

(71) HEMPBLOCK INTERNATIONAL PTY
LTD
(11) AU-A-2023300700
(21) 2023300700 (22) 27.06.2023
(54) STRUCTURAL BLOCK WALL SYS-
TEM AND METHOD
(51) Int. Cl.
E04B 2/56 (2006.01)
E04B 1/19 (2006.01)
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(72) TIJSEN, Eric Johan
(74) Michael Buck IP

(71) HIGHER DIMENSION MATERIALS,
INC.
(11) AU-A-2022467888
(21) 2022467888 (22) 28.06.2022
(54) ENERGY STORAGE SYSTEMS
(51) Int. Cl.
F28D 20/00 (2006.01)
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(71) HIGHVIEW ENTERPRISES LIMITED (11) AU-A-2023293854 (21) 2023293854 (22) 06.06.2023 (54) GAS TREATMENT METHOD AND APPARATUS (51) Int. Cl. B01D 53/047 (2006.01) (87) WO2023/241997 (31) 2208711.8 (32) 14.06.22 (33) GB (43) 21.12.2023 (72) WRIGHT, Andrew (74) AJ PARK	(71) HORIZONFIRM S.R.L. (11) AU-A-2023303931 (21) 2023303931 (22) 04.07.2023 (54) SYSTEM OF PHOTOVOLTAIC SOLAR PANELS FOR INSTALLATION IN A FIELD FOR AGRICULTURAL OR PASTORAL USE, AND ENERGY PRODUCTION METHOD USING THIS SYSTEM (51) Int. Cl. H02S 50/00 (2014.01) (87) WO2024/009219 (31) 102022000014299 (32) 06.07.22 (33) IT (43) 11.01.2024 (72) CHIARUZZI, Christian; COSTANTINO, Agostino (74) PHILLIPS ORMONDE FITZPATRICK		(71) HUBBELL INCORPORATED (11) AU-A-2023290179 (21) 2023290179 (22) 16.06.2023 (54) CONNECTOR COVER ASSEMBLIES (51) Int. Cl. H01R 13/58 (2006.01) (87) WO2023/244827 (31) 63/353,516 (32) 17.06.22 (33) US 63/405,254 09.09.22 US (43) 21.12.2023 (72) CLARK, Adam, Joseph (74) Eagar & Associates Pty Ltd
(71) HINOVA PHARMACEUTICALS INC. (11) AU-A-2023273852 (21) 2023273852 (22) 17.05.2023 (54) DRUG FOR TREATING TRIPLE NEGATIVE BREAST CANCER (51) Int. Cl. A61K 31/395 (2006.01) A61P 35/00 (2006.01) (87) WO2023/222012 (31) 202210536761.3 (32) 17.05.22 (33) CN (43) 23.11.2023 (72) LI, Jing; DU, Wu; LIU, Guoqing; HUO, Yongxu; CHEN, Kefan; LI, Xinghai (74) FB Rice Pty Ltd	(71) HOXTON FARMS LTD (11) AU-A-2023301124 (21) 2023301124 (22) 22.06.2023 (54) SYSTEM FOR CELL CULTURE (51) Int. Cl. C12M 1/00 (2006.01) C12M 1/04 (2006.01) (87) WO2024/002851 (31) 2209583.0 (32) 29.06.22 (33) GB (43) 04.01.2024 (72) PARRISH, Jonathon; THOULOZE, Mathilde (74) FPA Patent Attorneys Pty Ltd		(71) HUMMINGBIRD DIAGNOSTICS GMBH (11) AU-A-2023297801 (21) 2023297801 (22) 26.05.2023 (54) NOVEL SIGNATURES FOR LUNG CANCER DETECTION (51) Int. Cl. C12Q 1/6886 (2018.01) (87) WO2024/002599 (31) 22181710.9 (32) 28.06.22 (33) EP (43) 04.01.2024 (72) HOROS, Rastislav; SIKOSEK, Tobias; STEINKRAUS, Bruno (74) Spruson & Ferguson
(71) HISENSE RONSHEN (GUANGDONG) REFRIGERATOR CO., LTD. (11) AU-A-2023297727 (21) 2023297727 (22) 30.06.2023 (54) REFRIGERATOR AND CONTROL METHOD THEREFOR (51) Int. Cl. F25C 1/10 (2006.01) F25C 1/24 (2018.01) F25D 29/00 (2006.01) (87) WO2024/002354 (31) 202210759347.9 (32) 30.06.22 (33) CN 202211126022.3 16.09.22 CN (43) 04.01.2024 (72) LONG, Xiaofen; YAO, Huimin; LU, Yubo; HUANG, Zhongming; GAN, Jinbo (74) Madderns Pty Ltd	(71) HUAWEI TECHNOLOGIES CO., LTD. (11) AU-A-2023290334 (21) 2023290334 (22) 14.06.2023 (54) INFORMATION TRANSMISSION METHOD AND APPARATUS (51) Int. Cl. H04B 7/10 (2017.01) (87) WO2023/241638 (31) 202210682248.5 (32) 15.06.22 (33) CN 202211364651.X 02.11.22 CN (43) 21.12.2023 (72) DU, Rui; COLONE, Fabiola; FILIPPINI, Francesca; SEGLIO, Marco Di; HAN, Xiao (74) Halfords IP		(71) HUN-REN TÁMOGATOTT KUTATÓCSOPORTOK IRODÁJA; SEMMELWEIS EGYETEM (11) AU-A-2023291508 (21) 2023291508 (22) 14.06.2023 (54) EXTRACELLULAR VESICLES FOR USE IN THERAPY (51) Int. Cl. A61K 36/02 (2006.01) A61K 36/03 (2006.01) A61K 36/04 (2006.01) A61K 36/05 (2006.01) A61P 17/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) A61Q 19/00 (2006.01) (87) WO2023/242605 (31) P2200214 (32) 14.06.22 (33) HU (43) 21.12.2023 (72) VANNAY, Ádám; HRICZÓNÉ SZEBENI, Beáta; VERES-SZÉKELY, Apor; PAP, Domonkos; VARGA, Zoltán (74) Griffith Hack
(71) HITACHI ENERGY USA INC. (11) AU-A-2023275508 (21) 2023275508 (22) 26.05.2023 (54) CHARGING LOCATION SELECTION OF AN INCOMING ELECTRIC VEHICLE FOR LARGE EV DEPOT INFRASTRUCTURE (51) Int. Cl. H02J 3/14 (2006.01) B60L 53/63 (2019.01) B60L 53/67 (2019.01) H02J 3/38 (2006.01) H02J 7/00 (2006.01) (87) WO2023/230356 (31) 17/826,432 (32) 27.05.22 (33) US	(71) HUBBELL INCORPORATED (11) AU-A-2023290178 (21) 2023290178 (22) 16.06.2023 (54) COMPRESSION CONNECTORS AND DIES (51) Int. Cl. H01R 4/2495 (2018.01) H01R 4/18 (2006.01) H01R 4/2407 (2018.01) H01R 11/03 (2006.01) (87) WO2023/244822 (31) 63/353,516 (32) 17.06.22 (33) US 63/405,254 09.09.22 US		(71) HYBRIT DEVELOPMENT AB (11) AU-A-2023304144 (21) 2023304144 (22) 21.02.2023 (54) ARRANGEMENT AND PROCESS FOR CHARGING IRON ORE TO, AND/OR DISCHARGING SPONGE IRON FROM, A DIRECT REDUCTION SHAFT (51) Int. Cl.

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(71) ICU MEDICAL, INC. (11) AU-A-2023295389 (21) 2023295389 (22) 06.06.2023 (54) SYSTEMS AND METHODS FOR SUBSTANTIALLY CONTINUOUS IN-TRAVENOUS INFUSION OF THE SAME OR SUBSTANTIALLY THE SAME MEDICAL FLUID WITH FLUID SOURCE REPLACEMENTS (51) Int. Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01) A61M 5/172 (2006.01) G16H 20/17 (2018.01) (87) WO2023/244922 (31) 63/351,747 (32) 13.06.22 (33) US (43) 21.12.2023 (72) JACOBSON, James, Duane; BRANN, Gerald, William; KLAGGES-KINGS-BURY, Kerin, Leigh; COUSINEAU, Robert, P. (74) Davies Collison Cave Pty Ltd	(71) ILLUMINA, INC. (11) AU-A-2024221664 (21) 2024221664 (22) 16.02.2024 (54) CELL-FREE DNA SIGNALS AS BIO-MARKERS OF PREECLAMPSIA (51) Int. Cl. C12Q 1/6883 (2018.01) G16H 50/00 (2018.01) (87) WO2024/173756 (31) 63/446,404 (32) 17.02.23 (33) US 63/552,234 12.02.24 US (43) 22.08.2024 (72) BHATT, Sucheta Dhananjay; BOOMER, Theresa Ann; GEKAS, Jean; KIM, Sung; GONG, Weida; NGUYEN, Christina Ngoc Bich (74) Spruson & Ferguson	(71) IMPERIAL COLLEGE INNOVATIONS LIMITED (11) AU-A-2023281204 (21) 2023281204 (22) 31.05.2023 (54) METHOD FOR MAKING FIBRES (51) Int. Cl. D01F 9/00 (2006.01) D01D 1/02 (2006.01) D01D 5/06 (2006.01) D01F 9/17 (2006.01) (87) WO2023/232906 (31) 2208061.8 (32) 31.05.22 (33) GB (43) 07.12.2023 (72) YANG, Shirley Min; SHAFFER, Milo; BRANDT-TALBOT, Agnieszka (74) FB Rice Pty Ltd
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(71) ILLUMINA, INC. (11) AU-A-2023316391 (21) 2023316391 (22) 25.07.2023 (54) NUCLEIC ACID SEQUENCE ANALYSIS AND CONFIGURABLE REPORT GENERATION (51) Int. Cl. G16B 50/00 (2019.01) (87) WO2024/025835 (31) 63/369,478 (32) 26.07.22 (33) US 63/444,827 10.02.23 US (43) 01.02.2024 (72) NG, Sam; BARFIELD, Dylan; GAO, Jing; RHODES, Kevin P.; PARIKH,	(71) IMPERIAL COLLEGE INNOVATIONS LIMITED (11) AU-A-2023279180 (21) 2023279180 (22) 31.05.2023 (54) METHOD FOR MAKING FIBRES (51) Int. Cl. D01F 9/00 (2006.01) C08L 97/00 (2006.01) D01D 1/02 (2006.01) D01D 5/06 (2006.01) D01F 1/02 (2006.01) D01F 9/17 (2006.01) (87) WO2023/232905 (31) 2208067.5 (32) 31.05.22 (33) GB	

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(11) AU-A-2023293093
(21) 2023293093 (22) 14.06.2023
(54) SOLID FORMS OF A JAK INHIBITOR AND PROCESS OF PREPARING THE SAME
(51) Int. Cl.
C07D 487/04 (2006.01)
A61K 31/519 (2006.01)
A61P 17/00 (2006.01)
(87) WO2023/245053
(31) 63/352,094 (32) 14.06.22 (33) US
63/411,808 30.09.22 US
(43) 21.12.2023
(72) JIA, Zhongjiang; LIU, Weiguo; LIU, Pingli; MELONI, David; PAN, Yongchun; ZHOU, Jiacheng; HOUSTON, Travis
(74) Houlihan Intellectual Property Pty Ltd
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- (71) INJECTO GROUP A/S
(11) AU-A-2022460774
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A61M 5/315 (2006.01)
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H02M 7/483 (2007.01)
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C10L 1/196 (2006.01)
C10L 1/14 (2006.01)
C10L 1/188 (2006.01)
C10L 1/22 (2006.01)
C10L 1/222 (2006.01)
C10L 1/224 (2006.01)
C10L 1/238 (2006.01)
C10L 10/04 (2006.01)
C10L 10/18 (2006.01)
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C01F 11/02 (2006.01)
C01B 32/50 (2017.01)
C01B 17/50 (2006.01)
C01F 11/48 (2006.01)
C07C 51/02 (2006.01)
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A61K 38/16 (2006.01)
A61K 47/54 (2017.01)
A61P 3/04 (2006.01)
A61P 3/06 (2006.01)
A61P 3/10 (2006.01)
A61P 9/12 (2006.01)
C07K 14/00 (2006.01)
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G16H 50/70 (2018.01)
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C12N 5/0783 (2010.01)
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H04N 19/85 (2014.01)
G06T 5/00 (2006.01)
H04N 19/117 (2014.01)
H04N 19/14 (2014.01)
H04N 19/146 (2014.01)
H04N 19/176 (2014.01)
H04N 19/182 (2014.01)
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(21) 2023283393 (22) 09.06.2023
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A61P 29/02 (2006.01)
C07D 401/04 (2006.01)
C07D 403/04 (2006.01)
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B66B 19/00 (2006.01)
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F17D 1/04 (2006.01)
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A61K 31/404 (2006.01)
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C07D 403/14 (2006.01)
A61K 31/506 (2006.01)
A61P 29/00 (2006.01)
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A61K 31/4439 (2006.01)
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A61P 29/00 (2006.01)
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C07D 403/14 (2006.01)
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 (51) Int. Cl.
C07D 417/14 (2006.01)
A61K 31/506 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
A61P 37/00 (2006.01)
C07D 403/14 (2006.01)
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 (11) AU-A-2023298169
 (21) 2023298169 (22) 27.03.2023
 (54) POWDER PROPERTY-MODIFYING METHOD, PRODUCTION METHOD FOR WATER-CONTAINING BULK MATERIAL, WATER-CONTAINING BULK MATERIAL, AND GRANULATION METHOD FOR RAW MATERIAL FOR SINTERING
 (51) Int. Cl.
B65G 3/02 (2006.01)
B65G 67/60 (2006.01)
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 (43) 04.01.2024
 (72) KINUGASA Yuki
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A61K 31/4184 (2006.01)
A61K 9/00 (2006.01)
A61P 17/00 (2006.01)
C07D 235/04 (2006.01)
A61K 47/40 (2006.01)
A61K 47/44 (2017.01)
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A61Q 19/00 (2006.01)
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 (54) CARBON DIOXIDE REMOVAL UNIT
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A01G 9/04 (2006.01)
A01G 9/029 (2018.01)
A01G 9/14 (2006.01)
A01G 31/06 (2006.01)
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 (54) SYSTEM AND METHODS FOR RESIDUAL LIMBS OF AMPUTEES
 (51) Int. Cl.
A61B 5/00 (2006.01)
A61F 2/50 (2006.01)
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A61K 31/122 (2006.01)
A61K 31/353 (2006.01)
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F17C 13/00 (2006.01)
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(54) AMMONIA ENGINE SYSTEM
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F02B 43/10 (2006.01)
C01B 3/04 (2006.01)
F02D 19/02 (2006.01)
F02M 21/02 (2006.01)
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(21) 2023280661 (22) 02.06.2023
(54) ORAL VACCINE COMPOSITION
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A61K 39/00 (2006.01)
A61K 9/19 (2006.01)
A61K 35/64 (2015.01)
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C12N 7/01 (2006.01)
C12N 15/34 (2006.01)
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A61K 31/4355 (2006.01)
A61K 31/444 (2006.01)
A61K 31/445 (2006.01)
A61P 29/00 (2006.01)
C07D 491/048 (2006.01)
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(74) AJ PARK
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(51) Int. Cl.
C07D 471/02 (2006.01)
A61K 31/437 (2006.01)
A61P 25/08 (2006.01)
A61P 29/00 (2006.01)
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(54) NEW DERIVATIVES FOR TREATING TRPM3 MEDIATED DISORDERS
(51) Int. Cl.
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A61K 31/343 (2006.01)
A61K 31/41 (2006.01)
A61K 31/4178 (2006.01)
A61K 31/422 (2006.01)
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C07D 307/83 (2006.01)
C07D 405/12 (2006.01)
C07D 413/12 (2006.01)
C07D 417/12 (2006.01)
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(54) INDOLIZINE DERIVATIVES FOR TREATING TRPM3-MEDIATED DISORDERS
(51) Int. Cl.
C07D 209/02 (2006.01)
A61K 31/403 (2006.01)
A61P 25/04 (2006.01)
A61P 25/08 (2006.01)
(87) WO2023/230543
(31) 63/345,501 (32) 25.05.22 (33) US
(43) 30.11.2023
(72) MARCHAND, Arnaud; VANHERCK, Jean-Christophe; REICH, Melanie; KRUGER, Sebastian; VOETS, Thomas; VRIENS, Joris
(74) AJ PARK
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(54) NEW DERIVATIVES FOR TREATING TRPM3 MEDIATED DISORDERS
(51) Int. Cl.
C07D 307/84 (2006.01)
A61K 31/343 (2006.01)
A61K 31/351 (2006.01)
A61K 31/443 (2006.01)
A61P 25/04 (2006.01)
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(21) 2023277630 (22) 25.05.2023
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AND DISPENSING HOT BEVERAGES
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ULAR OR POWDER FORM, BASED
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TED IN THE MACHINE
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A61M 27/00 (2006.01)
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G06Q 50/08 (2012.01)
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F02D 43/00 (2006.01)
G07C 5/08 (2006.01)
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C12N 15/11 (2006.01)
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G01N 23/18 (2018.01)
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G06F 3/01 (2006.01)
G06F 21/32 (2013.01)
G06Q 50/26 (2012.01)
G06V 40/16 (2022.01)
G06V 40/70 (2022.01)
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B07C 5/00 (2006.01)
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- (71) OCADO INNOVATION LIMITED
(11) AU-A-2023277760
(21) 2023277760 (22) 26.05.2023
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- (54) A COMBINED POWER AND DATA UNIT FOR A STORAGE AND RETRIEVAL SYSTEM, AND RELATED DEVICES
(51) Int. Cl.
B60L 53/30 (2019.01)
B60L 53/66 (2019.01)
B60L 53/80 (2019.01)
B65G 54/02 (2006.01)
(87) WO2023/227784
(31) 2207782.0 (32) 26.05.22 (33) GB
(43) 30.11.2023
(72) STADIE, Robert; WHELAN, Matthew; LONG, John
(74) James & Wells Intellectual Property
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- (71) OJI HOLDINGS CORPORATION
(11) AU-A-2023290887
(21) 2023290887 (22) 13.06.2023
(54) HEAT-SEALABLE PAPER AND PACKAGING BAG
(51) Int. Cl.
D21H 19/22 (2006.01)
B65D 65/40 (2006.01)
D21H 19/20 (2006.01)
D21H 27/10 (2006.01)
(87) WO2023/243642
(31) 2022-096023 (32) 14.06.22 (33) JP
2022-096026 14.06.22 JP
(43) 21.12.2023
(72) NOISHIKI Yasutomo; WAKABAYASHI Misaki; SHAMOTO Yuta; NAMIOKA Moeka
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) OPTIMUS SALVUS LIMITED
(11) AU-A-2023279230
(21) 2023279230 (22) 01.06.2023
(54) COMPOSITION AND METHOD
(51) Int. Cl.
A61K 47/69 (2017.01)
A61K 31/353 (2006.01)
(87) WO2023/233165
(31) 2208130.1 (32) 01.06.22 (33) GB
(43) 07.12.2023
(72) STABLER, Peter Joseph; STOLOFF, Gregory Alan
(74) FB Rice Pty Ltd
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- (71) OPTIONX HOLDINGS PTY LTD
(11) AU-A-2023282945
(21) 2023282945 (22) 09.06.2023
(54) CONNECTOR ASSEMBLY FOR USE WITH MICROTUNNELING APPARATUS
(51) Int. Cl.
E21B 17/046 (2006.01)
E21B 3/04 (2006.01)
E21B 7/04 (2006.01)
E21B 7/20 (2006.01)
E21B 7/28 (2006.01)
E21B 10/08 (2006.01)
E21B 10/28 (2006.01)
(87) WO2023/235939
(31) 2022901586 (32) 09.06.22 (33) AU

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(72) GELDARD, Gregory, Alan; FOURIE, Albert; BREEDEN, Darrin; HARRISON, Stuart; SNEDDON, Adrian
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) OPTIONX HOLDINGS PTY LTD
(11) AU-A-2023290930
(21) 2023290930 (22) 14.06.2023
(54) A DRILL HEAD FOR USE WITH MICROTUNNELING APPARATUS
(51) Int. Cl.
E21B 10/08 (2006.01)
E21B 3/04 (2006.01)
E21B 7/04 (2006.01)
E21B 7/06 (2006.01)
E21B 10/18 (2006.01)
E21B 10/28 (2006.01)
E21B 10/60 (2006.01)
E21B 17/046 (2006.01)
E21B 21/12 (2006.01)
E21B 21/14 (2006.01)
(87) WO2023/240316
(31) 2022901617 (32) 14.06.22 (33) AU
(43) 21.12.2023
(72) HARRISON, Stuart; HENLEY, Allen; FOURIE, Albert
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) OPTIONX HOLDINGS PTY LTD
(11) AU-A-2023293148
(21) 2023293148 (22) 14.06.2023
(54) A DRILL HEAD FOR USE WITH MICROTUNNELING APPARATUS
(51) Int. Cl.
E21B 10/08 (2006.01)
E21B 3/04 (2006.01)
E21B 7/04 (2006.01)
E21B 7/06 (2006.01)
E21B 10/18 (2006.01)
E21B 10/28 (2006.01)
E21B 10/60 (2006.01)
E21B 17/046 (2006.01)
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E21B 21/14 (2006.01)
(87) WO2023/240317
(31) 2022901617 (32) 14.06.22 (33) AU
(43) 21.12.2023
(72) HARRISON, Stuart; HENLEY, Allen; FOURIE, Albert
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) OPTIONX HOLDINGS PTY LTD
(11) AU-A-2023294394
(21) 2023294394 (22) 14.06.2023
(54) A DRILL HEAD FOR USE WITH MICROTUNNELING APPARATUS
(51) Int. Cl.
E21B 10/08 (2006.01)
E21B 3/04 (2006.01)
E21B 7/04 (2006.01)
E21B 7/06 (2006.01)
E21B 10/18 (2006.01)
E21B 10/28 (2006.01)
E21B 10/60 (2006.01)
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(43) 21.12.2023
(72) HARRISON, Stuart; HENLEY, Allen; FOURIE, Albert
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) OPTO BIOSYSTEMS LTD
(11) AU-A-2023306616
(21) 2023306616 (22) 12.07.2023
(54) AN IMPLANTABLE SENSOR AND A WEARABLE DETECTOR
(51) Int. Cl.
A61B 5/00 (2006.01)
A61B 5/291 (2021.01)
(87) WO2024/013493
(31) 2210219.8 (32) 12.07.22 (33) GB
(43) 18.01.2024
(72) WOODINGTON, Ben; JENKINS, Elise; MIDDYA, Sagnik; BRAENDLEIN, Marcel
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) ORICA INTERNATIONAL PTE LTD
(11) AU-A-2023289810
(21) 2023289810 (22) 21.06.2023
(54) SYSTEMS AND METHODS/PROCESSES
(51) Int. Cl.
F42D 1/22 (2006.01)
F42D 1/045 (2006.01)
F42D 1/10 (2006.01)
(87) WO2023/249559
(31) 10202250251M (32) 22.06.22 (33) SG
(43) 28.12.2023
(72) RIBOLDI, Adam
(74) Davies Collision Cave Pty Ltd
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- (71) OSSABILITY LIMITED
(11) AU-A-2023267464
(21) 2023267464 (22) 11.05.2023
(54) A SURGICAL GUIDE
(51) Int. Cl.
A61B 17/15 (2006.01)
A61B 17/17 (2006.01)
(87) WO2023/219519
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- (31) 788157 (32) 12.05.22 (33) NZ
(43) 16.11.2023
(72) TREDINNICK, Seamus John
(74) James & Wells Intellectual Property
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- (71) OXIWEAR, INC.
(11) AU-A-2023272472
(21) 2023272472 (22) 15.05.2023
(54) EAR-WEARABLE OXYGEN MONITORING SYSTEM
(51) Int. Cl.
A61B 5/1455 (2006.01)
A61B 5/00 (2006.01)
A61B 5/024 (2006.01)
A61B 5/01 (2006.01)
G08B 21/02 (2006.01)
(87) WO2023/225479
(31) 63/342,100 (32) 14.05.22 (33) US
(43) 23.11.2023
(72) FERNANDO, Shavini; BECKSTEIN, George Donald; SALTHOUSE, Ben; WILCOX, Keeline
(74) RnB IP Pty Ltd
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- (71) PACKSYS GMBH
(11) AU-A-2023276871
(21) 2023276871 (22) 25.05.2023
(54) CONTAINER FOR METERED DISPENSING OF A FLUID
(51) Int. Cl.
G01F 11/08 (2006.01)
(87) WO2023/227715
(31) 22175769.3 (32) 27.05.22 (33) EP
(43) 30.11.2023
(72) BURKHARDT, Sybille; THIERMEYER, Josef; LÖSSL, Veronika; FINGER, Markus
(74) Spruson & Ferguson
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- (71) PERIMETER SOLUTIONS LP
(11) AU-A-2023300524
(21) 2023300524 (22) 27.06.2023
(54) FIRE RETARDANT CONCENTRATE COMPOSITIONS CONTAINING A CARBOXYLIC ACID AND ONE OR MORE CORROSION INHIBITORS
(51) Int. Cl.
A62C 3/02 (2006.01)
A62D 1/00 (2006.01)
C04B 14/04 (2006.01)
C09D 5/08 (2006.01)
(87) WO2024/006255
(31) 63/355,847 (32) 27.06.22 (33) US
(43) 04.01.2024
(72) KIM, Melissa; MUNOZ, Marcela; MACASAET, Jeremiah
(74) Oxygene IP
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- (71) PETRI BIO, INC.
(11) AU-A-2023279101
(21) 2023279101 (22) 02.06.2023
(54) METHODS AND COMPOSITIONS FOR METHIONINE RESTRICTION
(51) Int. Cl.
A61K 35/741 (2015.01)
A23L 33/135 (2016.01)
A61P 35/00 (2006.01)
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(31) 63/348,559 (32) 03.06.22 (33) US
(43) 07.12.2023
(72) SCHINAMAN, Joseph; LI, Shu
(74) James & Wells Intellectual Property

(71) PHOENIX TAILINGS, INC.
(11) AU-A-2023268561
(21) 2023268561 (22) 12.05.2023
(54) EXTRACTION OF ELEMENTS AND/OR COMPOUNDS FROM IRON-CONTAINING MATERIALS SUCH AS IRON-CONTAINING TAILINGS, RECOVERY OF MAGNETICALLY SUSCEPTIBLE MATERIALS, AND RELATED SYSTEMS AND PRODUCTS

(51) Int. Cl.
C22B 5/18 (2006.01)
B03C 1/015 (2006.01)
B03C 1/02 (2006.01)
C22B 3/06 (2006.01)
C22B 3/08 (2006.01)
B01J 8/00 (2006.01)
C01G 49/06 (2006.01)
C01G 49/08 (2006.01)
C22B 1/10 (2006.01)
C22B 5/10 (2006.01)
C22B 5/12 (2006.01)
(87) WO2023/220735
(31) 63/342,003 (32) 13.05.22 (33) US
63/405,077 09.09.22 US
(43) 16.11.2023
(72) CHAO, Michelle, Ling; VILLALON, Thomas, Anthony, Jr.; CLINE, Elizabeth, N.; NYARKO, Alex; HUTCHESON, Henry, Chase; MCKEOWN, Ryan, Roberts; SILBERNAGEL, Rita, Marie
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) PLANTICS HOLDING B.V.
(11) AU-A-2023276877
(21) 2023276877 (22) 25.05.2023
(54) METHOD FOR MANUFACTURING FILLER-CONTAINING COMPOSITIONS WITH A SPECIFIC CURING REGIMEN
(51) Int. Cl.
B29C 35/08 (2006.01)
B29C 43/00 (2006.01)
B29C 43/52 (2006.01)
C08J 3/24 (2006.01)
C08J 5/04 (2006.01)
C08J 5/24 (2006.01)
C08J 7/18 (2006.01)
C08L 67/00 (2006.01)

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(31) 22175473.2 (32) 25.05.22 (33) EP
(43) 30.11.2023
(72) BAKKER, Wridzer Jan Willem; PERVAN, Nikolina; PREESMAN, Joost Jeroen; NOORDZIJ, Geert Jan; SNIJDERS BLOK, Kwinten Paulus
(74) FPA Patent Attorneys Pty Ltd

(71) PLURI BIOTECH LTD.
(11) AU-A-2023276960

(21) 2023276960 (22) 23.05.2023
(54) SYSTEM AND METHODS FOR IMMUNE CELLS EXPANSION AND ACTIVATION IN LARGE SCALE
(51) Int. Cl.
C12M 1/12 (2006.01)
A61K 35/28 (2015.01)
A61K 35/545 (2015.01)
C12M 1/00 (2006.01)
C12M 3/00 (2006.01)
C12N 5/00 (2006.01)
C12N 5/073 (2010.01)
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(31) 63/344,780 (32) 23.05.22 (33) US
(43) 30.11.2023
(72) RAVIV, Lior; BACHAR, Shirley; ROBERMAN, Dorina
(74) Argon IP Advisory Pty Ltd

(71) POLARIS INDUSTRIES INC.
(11) AU-A-2023285664
(21) 2023285664 (22) 06.06.2023
(54) ADAPTIVE LIGHT FOR A WATER-CRAFT
(51) Int. Cl.
F21V 23/04 (2006.01)
B63B 45/00 (2006.01)
B63B 45/02 (2006.01)
B63B 45/04 (2006.01)
F21W 107/20 (2018.01)
F21W 111/04 (2006.01)
(87) WO2023/239682
(31) 63/350,980 (32) 10.06.22 (33) US
(43) 14.12.2023
(72) RENAUD, Benoit J.; DEWIRE, Jacob; MIERZWA, Kevin G.
(74) Davies Collison Cave Pty Ltd

(71) POTENTIA LTD
(11) AU-A-2023306624
(21) 2023306624 (22) 11.07.2023
(54) TARGETED DELIVERY TO SCHWANN CELLS AND TREATMENT METHODS IN SCHWANN CELL-RELATED DISEASES
(51) Int. Cl.
A61K 47/69 (2017.01)
A61K 38/00 (2006.01)
A61K 45/00 (2006.01)
A61K 47/64 (2017.01)
A61P 25/00 (2006.01)
A61P 25/28 (2006.01)
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(31) 63/388,543 (32) 12.07.22 (33) US
(43) 18.01.2024
(72) EPSTEIN-BARASH, Hila; BOGIN, Oren; AZMON, Barak; ALSTER, Yair
(74) WRAYS PTY LTD

(71) PRECIDIAN INVESTMENTS, LLC
(11) AU-A-2023283394
(21) 2023283394 (22) 09.06.2023
(54) ASSET-BACKED DIGITAL TOKENS
(51) Int. Cl.
G06F 21/62 (2013.01)
G06N 3/04 (2023.01)
G06N 20/00 (2019.01)
G06Q 20/06 (2012.01)
G06Q 40/04 (2012.01)

H04L 9/08 (2006.01)
G06F 21/53 (2013.01)
G06N 3/08 (2023.01)
G06Q 20/36 (2012.01)
G06Q 20/38 (2012.01)
H04L 9/06 (2006.01)
H04L 9/14 (2006.01)
H04L 9/32 (2006.01)
(87) WO2023/239946
(31) 63/350,774 (32) 09.06.22 (33) US
63/350,784 09.06.22 US
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(43) 14.12.2023
(72) MCCABE, Daniel Joseph; KUHNLE, Paul Edward; CRISCITELLO, Mark Steven
(74) RnB IP Pty Ltd

(71) PRECISION PLANTING LLC
(11) AU-A-2023277791
(21) 2023277791 (22) 22.02.2023
(54) SYSTEM FOR AGRICULTURAL SAMPLE SLURRY ANALYSIS AND RELATED METHODS
(51) Int. Cl.
G01N 9/36 (2006.01)
G01N 1/28 (2006.01)
G01N 9/26 (2006.01)
(87) WO2023/227959
(31) 63/365,243 (32) 24.05.22 (33) US
63/365,244 24.05.22 US
(43) 30.11.2023
(72) HARMAN, Reid; MOLTER, Michael
(74) Griffith Hack

(71) PRELUDE THERAPEUTICS INCORPORATED
(11) AU-A-2023295428
(21) 2023295428 (22) 14.06.2023
(54) PROCESSES FOR MAKING PRMT5 INHIBITORS
(51) Int. Cl.
C07H 19/14 (2006.01)
A61K 31/519 (2006.01)
A61K 31/7064 (2006.01)
A61P 35/00 (2006.01)
C07H 15/18 (2006.01)
C07H 17/06 (2006.01)
(87) WO2023/245037
(31) 63/366,335 (32) 14.06.22 (33) US
(43) 21.12.2023
(72) CAO, Ganfeng; COMBS, Andrew; YU, Hongwu; WEI, Peng
(74) FPA Patent Attorneys Pty Ltd

(71) PRO-DEX, INC.
(11) AU-A-2023289372
(21) 2023289372 (22) 20.06.2023
(54) ARTICULATING SURGICAL TOOLS
(51) Int. Cl.
A61B 17/88 (2006.01)
A61B 17/16 (2006.01)
B25B 23/00 (2006.01)
(87) WO2023/250331
(31) 63/354,656 (32) 22.06.22 (33) US
(43) 28.12.2023
(72) TABER, Justin; SANTOS, Daniel, Manuel
(74) Michael Buck IP

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(71) PROLACTA BIOSCIENCE, INC. (11) AU-A-2023299271 (21) 2023299271 (22) 28.06.2023 (54) SYSTEMS, DEVICES, AND METHODS FOR MANAGEMENT OF MILK ALLOCATION (51) Int. Cl. G06Q 10/087 (2023.01) G06Q 50/10 (2012.01) (87) WO2024/006840 (31) 63/356,730 (32) 29.06.22 (33) US 502702 24.08.22 LU (43) 04.01.2024 (72) FOURNELL, Joseph (74) Allens Patent & Trade Mark Attorneys	(43) 14.12.2023 (72) NONN, Thomas Ivan; CHENG, Tze-Yuan; YOUNGQUIST, James Andrew (74) Spruson & Ferguson (71) PSYLO PTY LTD (11) AU-A-2023280622 (21) 2023280622 (22) 30.05.2023 (54) COMPOUNDS (51) Int. Cl. C07C 211/30 (2006.01) A61K 31/015 (2006.01) A61K 31/435 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/18 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) C07C 211/35 (2006.01) C07C 215/52 (2006.01) C07C 217/60 (2006.01) C07D 215/20 (2006.01) C07D 215/227 (2006.01) (87) WO2023/230649 (31) 2022901458 (32) 30.05.22 (33) AU (43) 07.12.2023 (72) BANISTER, Samuel; JORGENSEN, William; TAN, Jinlong; WHISH, Lachlan (74) FPA Patent Attorneys Pty Ltd	(54) METHOD FOR MANUFACTURING SHRIMP FEED PELLETS (51) Int. Cl. A23K 10/12 (2016.01) A23K 20/158 (2016.01) A23K 40/10 (2016.01) A23K 40/20 (2016.01) A23K 50/80 (2016.01) (87) WO2024/013060 (31) 22185252.8 (32) 15.07.22 (33) EP (43) 18.01.2024 (72) ATIENZA TORO, Cristian (74) FPA Patent Attorneys Pty Ltd
(71) PROMETHEUS ENERGY GROUP, LLC (11) AU-A-2023272469 (21) 2023272469 (22) 12.05.2023 (54) APPARATUS AND METHOD FOR A HYDROGEN POWERED GENERATOR (51) Int. Cl. H01M 8/22 (2006.01) B60K 6/32 (2007.10) F17C 11/00 (2006.01) H01M 8/04 (2016.01) H01M 8/04089 (2016.01) H01M 8/2475 (2016.01) (87) WO2023/225464 (31) 63/342,484 (32) 16.05.22 (33) US (43) 23.11.2023 (72) KERNENE, Nicolas (74) FB Rice Pty Ltd	(71) PULPEX LIMITED (11) AU-A-2023296929 (21) 2023296929 (22) 29.06.2023 (54) EXPANDABLE MEMBER FOR RECEPTACLE MOULDING (51) Int. Cl. B29C 43/36 (2006.01) B29C 49/44 (2006.01) D21J 3/10 (2006.01) D21J 7/00 (2006.01) (87) WO2024/003553 (31) 2209680.4 (32) 30.06.22 (33) GB (43) 04.01.2024 (72) WHITE, Jason (74) Michael Buck IP	(71) QD-SOL, LTD.; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION, LTD. (11) AU-A-2023290620 (21) 2023290620 (22) 16.06.2023 (54) PHOTOCATALYTIC PANEL AND METHODS FOR CONTINUOUS HYDROGEN PRODUCTION (51) Int. Cl. C01B 3/02 (2006.01) C01B 13/02 (2006.01) C25B 1/04 (2021.01) (87) WO2023/242632 (31) 63/353,085 (32) 17.06.22 (33) US (43) 21.12.2023 (72) AMIRAV, Lilac; YEDIDYA, Lior (74) Davies Collison Cave Pty Ltd
(71) PROMETHEUS FUELS, INC. (11) AU-A-2023272859 (21) 2023272859 (22) 16.05.2023 (54) ELECTROCHEMICAL UPGRADING OF REDUCED CARBON PRODUCTS (51) Int. Cl. C25B 3/26 (2021.01) C25B 11/073 (2021.01) C25B 13/05 (2021.01) C25B 15/08 (2006.01) (87) WO2023/225027 (31) 63/343,018 (32) 17.05.22 (33) US (43) 23.11.2023 (72) MCGINNIS, Robert (74) RnB IP Pty Ltd	(71) PULPEX LIMITED (11) AU-A-2023301570 (21) 2023301570 (22) 29.06.2023 (54) EXPANDABLE MEMBER FOR RECEPTACLE MOULDING (51) Int. Cl. B29C 44/12 (2006.01) D21J 1/00 (2006.01) D21J 3/10 (2006.01) D21J 7/00 (2006.01) (87) WO2024/003554 (31) 2209679.6 (32) 30.06.22 (33) GB (43) 04.01.2024 (72) WHITE, Jason (74) Michael Buck IP	(71) QINGDAO HAIER LAUNDRY ELECTRIC APPLIANCES CO., LTD; HAIER SMART HOME CO., LTD. (11) AU-A-2023283442 (21) 2023283442 (22) 18.05.2023 (54) DOUBLE-PUMP ASSEMBLY AND CLOTHES TREATMENT APPARATUS HAVING SAME (51) Int. Cl. D06F 39/08 (2006.01) D06F 39/10 (2006.01) (87) WO2023/236749 (31) 202210653547.6 (32) 09.06.22 (33) CN (43) 14.12.2023 (72) PAN, Wenwu; LU, Jinbo; LIU, Xiaochun; YANG, Fei; FAN, Xianfeng (74) Madderns Pty Ltd
(71) PROPRIO, INC. (11) AU-A-2023282886 (21) 2023282886 (22) 05.06.2023 (54) LIGHT FIELD CAPTURE, COMPRESSION, TRANSMISSION AND RECONSTRUCTION (51) Int. Cl. G06T 3/40 (2006.01) G06T 7/20 (2017.01) G06T 9/00 (2006.01) (87) WO2023/240039 (31) 17/836,979 (32) 09.06.22 (33) US	(71) PURAC BIOCHEM B.V. (11) AU-A-2023305043 (21) 2023305043 (22) 10.07.2023	(71) QUANTA THERAPEUTICS, INC. (11) AU-A-2023276596 (21) 2023276596 (22) 24.05.2023 (54) PYRIMIDINE BASED MODULATORS AND USES THEREOF (51) Int. Cl. C07D 451/02 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01) C07D 495/00 (2006.01) C07D 519/00 (2006.01) (87) WO2023/230190 (31) 63/345,794 (32) 25.05.22 (33) US 63/380,544 21.10.22 US 63/486,934 24.02.23 US

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(72) LIN, Hong; LUENGO, Juan; JOHNSON, Neil; HOSPITAL, Audrey; ZENG, Jin
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) R.P. SCHERER TECHNOLOGIES, LLC
(11) AU-A-2023268454
(21) 2023268454 (22) 10.05.2023
(54) METHOD OF DIFFERENTIATION OF PLURIPOTENT STEM CELLS TO RETINAL PIGMENT EPITHELIUM CELLS
(51) Int. Cl.
A61K 35/545 (2015.01)
A61K 38/18 (2006.01)
A61P 27/02 (2006.01)
(87) WO2023/220195
(31) 63/340,736 (32) 11.05.22 (33) US
(43) 16.11.2023
(72) GREBER, Boris; HUEHNE, Melanie
(74) Spruson & Ferguson

(71) RAZER (ASIA-PACIFIC) PTE. LTD.
(11) AU-A-2022471003
(21) 2022471003 (22) 25.07.2022
(54) MOUSE PAD
(51) Int. Cl.
G06F 3/039 (2013.01)
(87) WO2024/025454
(43) 01.02.2024
(72) YEO, Melvin; LIM, Lionel; SHARMA, Ayush; KOH, Kheng Choong
(74) FB Rice Pty Ltd

(71) REGENERON PHARMACEUTICALS, INC.
(11) AU-A-2023300979
(21) 2023300979 (22) 26.06.2023
(54) NON-HUMAN ANIMALS HAVING A HUMANIZED CLEC9A GENE
(51) Int. Cl.
A01K 67/027 (2006.01)
C07K 14/705 (2006.01)
(87) WO2024/006677
(31) 63/355,948 (32) 27.06.22 (33) US
(43) 04.01.2024
(72) HAXHINASTO, Sokol; DONNIANNI, Roberto
(74) PHILLIPS ORMONDE FITZPATRICK

(71) REGENTS OF THE UNIVERSITY OF MICHIGAN
(11) AU-A-2023287599
(21) 2023287599 (22) 20.06.2023
(54) BIOFILM BIOREACTOR INCLUDING THERMAL MANAGEMENT AND SUBSTANCE DELIVERY ELEMENTS, RELATED APPARATUS, AND RELATED METHODS
(51) Int. Cl.
C02F 3/12 (2023.01)
C02F 3/30 (2023.01)
C02F 3/28 (2023.01)
C12M 1/02 (2006.01)
C12M 1/04 (2006.01)
(87) WO2023/249925

(31) 63/353,701 (32) 20.06.22 (33) US
(43) 28.12.2023
(72) FAIRLEY-WAX, Timothy; SKERLOS, Steven; RASKIN, Lutgarde; GIAM-MALVO, Katherine; VOIGT, Carla; BARNUM, Land; MALONEY, Liam
(74) PHILLIPS ORMONDE FITZPATRICK

(71) RITE-HITE HOLDING CORPORATION
(11) AU-A-2023285035
(21) 2023285035 (22) 08.06.2023
(54) ADJUSTABLE MOUNTING ASSEMBLIES FOR A FAN
(51) Int. Cl.
A01G 9/24 (2006.01)
(87) WO2023/239862
(31) 63/350,280 (32) 08.06.22 (33) US
(43) 14.12.2023
(72) SCHMIDT, Blaine; KAUFMANN, Nicholas L.; GEBKE, Kevin; NEMMERS, Casey
(74) WRAYS PTY LTD

(71) ROSS FAULKNER PTY LIMITED
(11) AU-A-2023282122
(21) 2023282122 (22) 31.05.2023
(54) SPORTS TRAINING DEVICE
(51) Int. Cl.
A63B 69/00 (2006.01)
A63B 43/00 (2006.01)
A63B 69/36 (2006.01)
(87) WO2023/230662
(31) 2022901479 (32) 31.05.22 (33) AU
(43) 07.12.2023
(72) FAULKNER, Ross William
(74) Griffith Hack

(71) RUNWAY BLUE, LLC
(11) AU-A-2023300969
(21) 2023300969 (22) 21.06.2023
(54) SEALING MECHANISM FOR A BEVERAGE CONTAINER
(51) Int. Cl.
A45F 3/18 (2006.01)
B65D 41/04 (2006.01)
(87) WO2024/006652
(31) 63/367,175 (32) 28.06.22 (33) US
(43) 04.01.2024
(72) FAERBER, Paul James
(74) Griffith Hack

(71) S. C. JOHNSON & SON, INC.
(11) AU-A-2022462093
(21) 2022462093 (22) 14.06.2022
(54) INSECT TRAP DEVICE
(51) Int. Cl.
A01M 1/14 (2006.01)
A01M 1/02 (2006.01)
(87) WO2023/239379
(31) 17/837,110 (32) 10.06.22 (33) US
(43) 14.12.2023
(72) FURNER, Paul E.; PALM, Julie; FATERIOUN, Kamran; CARLSON, David R.; TRACY, Noah I.; MUNAGAVALASA, Murthy S.
(74) GLMR

(71) SALUDA MEDICAL PTY LIMITED
(11) AU-A-2023284476
(21) 2023284476 (22) 07.06.2023
(54) METHOD AND SYSTEM FOR CONFIGURING ELECTRODES FOR EVOKED NEURAL RESPONSE MEASUREMENT
(51) Int. Cl.
A61N 1/36 (2006.01)
A61B 5/00 (2006.01)
A61B 5/388 (2021.01)
A61N 1/05 (2006.01)
A61N 1/08 (2006.01)
(87) WO2023/235926
(31) 2022901556 (32) 07.06.22 (33) AU
(43) 14.12.2023
(72) GMEL, Gerrit
(74) FB Rice Pty Ltd

(71) SANAPLAS GMBH
(11) AU-A-2023310800
(21) 2023310800 (22) 17.07.2023
(54) PRODUCT SUITABLE FOR THE TREATMENT OF TEAR FILM DEFICIENCY IN DRY EYE DISEASE AND A METHOD FOR MANUFACTURING THE PRODUCT
(51) Int. Cl.
A61K 38/30 (2006.01)
A61K 9/00 (2006.01)
A61K 35/16 (2015.01)
A61K 38/18 (2006.01)
A61K 47/30 (2006.01)
A61P 27/02 (2006.01)
(87) WO2024/017845
(31) 22185497.9 (32) 18.07.22 (33) EP
(43) 25.01.2024
(72) JOCHHEIM-RICHTER, Andrea
(74) Golja Haines & Friend

(71) SANDVIK SRP AB
(11) AU-A-2023298082
(21) 2023298082 (22) 29.06.2023
(54) TUNGSTEN CARBIDE AND TITANIUM CARBIDE REINFORCED MANGANESE STEEL
(51) Int. Cl.
B22D 19/02 (2006.01)
B22D 19/14 (2006.01)
B22F 3/24 (2006.01)
C21D 1/18 (2006.01)
C21D 6/00 (2006.01)
C22C 1/05 (2023.01)
C22C 1/055 (2023.01)
C22C 29/00 (2006.01)
C22C 29/08 (2006.01)
C22C 29/10 (2006.01)
C22C 33/02 (2006.01)
B22F 5/00 (2006.01)
(87) WO2024/003234
(31) 22182569.8 (32) 01.07.22 (33) EP
(43) 04.01.2024
(72) MELK, Latifa
(74) Griffith Hack

(71) SAPIENSBIO INC.
(11) AU-A-2023285579
(21) 2023285579 (22) 12.06.2023

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CEUTICAL COMPOSITION COMPRIS-
ING SAME AS ACTIVE INGREDIENT
(51) Int. Cl.
C07D 403/12 (2006.01)
A61K 31/498 (2006.01)
A61K 31/4985 (2006.01)
A61K 31/506 (2006.01)
A61P 11/00 (2006.01)
A61P 43/00 (2006.01)
C07D 401/12 (2006.01)
C07D 403/06 (2006.01)
C07D 403/14 (2006.01)
C07D 471/04 (2006.01)
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RYOO, Kanghyun; LEE, Hyunseung;
PARK, Yeonkyeong; AN, Sihyeon; LEE,
Myongwoo
(74) Pizeys Patent and Trade Mark Attor-
neys Pty Ltd
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- (71) SCHREDER S.A.
(11) AU-A-2023269225
(21) 2023269225 (22) 10.05.2023
(54) WARNING LIGHT SYSTEM AND
LIGHT-SHAPING MODULE
(51) Int. Cl.
G08G 1/052 (2006.01)
E01F 1/00 (2006.01)
E01F 9/00 (2006.01)
F21S 8/08 (2006.01)
F21V 5/00 (2018.01)
G02B 19/00 (2006.01)
G08G 1/005 (2006.01)
G08G 1/16 (2006.01)
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(43) 16.11.2023
(72) VINCZE, Zsolt; WITCZAK, John; WIN-
ANDY, Nicolas; CAPRARA, Roxane
(74) Golja Haines & Friend
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- (71) SHANDONG LUYE PHARMACEUTIC-
AL CO., LTD.
(11) AU-A-2023283956
(21) 2023283956 (22) 09.06.2023
(54) 19-NOR-C3,3-DISUBSTITUTED C21-
AZACYCLO-SUBSTITUTED STEROID
AND METHOD FOR USING SAME
(51) Int. Cl.
C07J 43/00 (2006.01)
A61K 31/58 (2006.01)
A61P 25/00 (2006.01)
(87) WO2023/237097
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(43) 14.12.2023
(72) TIAN, Jingwei; MA, Mingxu; YE, Liang;
LI, Chunmei; XU, Hengwei; WANG,
Wenyan; ZHANG, Rui
(74) Davies Collison Cave Pty Ltd
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- (71) SHANGHAI GOLDEN LEAF MED TEC
CO.,LTD.
(11) AU-A-2022459408
(21) 2022459408 (22) 18.05.2022
(54) METHOD OF TREATING DIABETES
AND NON-ALCOHOLIC FATTY LIVER,
RELATED DISORDER OR DISEASE
OR SYMPTOM THEREOF
(51) Int. Cl.
A61K 31/00 (2006.01)
(87) WO2023/220952
(43) 23.11.2023
(72) TENG, Gaojun; CAO, Hongguang;
CHEN, Haidong; WANG, Zhi; PAN, Tao;
GUO, Jiulin; SHEN, Meijun
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CO., LTD.
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- (71) SHANGHAI PHARMACEUTICALS IN-
DUSTRY CO., LTD
(11) AU-A-2023310751
(21) 2023310751 (22) 29.06.2023
(54) USE OF NAPHTHOQUINE PHOS-
PHATE IN PREPARATION OF MEDIC-
AMENT FOR TREATING AUTOIM-
MUNE DISEASES
(51) Int. Cl.
A61K 31/4706 (2006.01)
A61P 19/02 (2006.01)
A61P 37/02 (2006.01)
(87) WO2024/016996
(31) 202210866097.9 (32) 22.07.22 (33) CN
(43) 25.01.2024
(72) ZUO, Jianping; MAO, Guanxing; HE,
Shijun; ZHANG, Hongying; WANG,
Xue; XING, Zhigang; ZHAO, Limin;
DING, Xiyang
(74) Golja Haines & Friend
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- (71) SHAOXING YONGFENG ENERGY
SAVING TECHNOLOGY CO., LTD
(11) AU-A-2023295618
(21) 2023295618 (22) 13.06.2023
(54) EFFICIENT WASTE HEAT RECOVERY
SETTING MACHINE
(51) Int. Cl.
D06C 7/02 (2006.01)
F26B 23/00 (2006.01)
F28D 7/02 (2006.01)
F28F 9/02 (2006.01)
F28F 9/26 (2006.01)
(87) WO2023/241576
(31) 202210672436.X (32) 15.06.22 (33) CN
(43) 21.12.2023
(72) LAO, Guanming
(74) Origin Patent and Trade Mark Attorneys
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- (71) SHARC ENERGY SYSTEMS INC.
(11) AU-A-2022460148
(21) 2022460148 (22) 25.05.2022
(54) WASTEWATER HEAT EXCHANGE
SYSTEM
(51) Int. Cl.
C02F 11/125 (2019.01)
B01D 29/23 (2006.01)
C02F 1/00 (2023.01)
C02F 11/121 (2019.01)
(87) WO2023/225736
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- (43) 30.11.2023
(72) MUELLER, Lynn; STEWART, Brett;
TRIMBLE, Brock; WARDLOW, Mat-
thew; YOUSEFINIA, Taha
(74) Cooper IP Pty Ltd
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- (71) SHARKNINJA OPERATING LLC
(11) AU-A-2022458618
(21) 2022458618 (22) 14.06.2022
(54) MICRO PUREE MACHINE WITH PAR-
TIAL DEPTH PROCESSING
(51) Int. Cl.
A47J 43/08 (2006.01)
A23G 9/12 (2006.01)
(87) WO2023/224643
(31) 17/747,102 (32) 18.05.22 (33) US
(43) 23.11.2023
(72) WILLIAMS, Helen; BANNISTER, Sam;
TUBBY, Lukas; MICHENZI, Ryan; HE,
Max; CHU, Ping
(74) FB Rice Pty Ltd
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- (71) SHARKNINJA OPERATING LLC
(11) AU-A-2022458967
(21) 2022458967 (22) 13.06.2022
(54) LID AND BLADE ASSEMBLY FOR A
MICRO PUREE MACHINE
(51) Int. Cl.
A23G 9/12 (2006.01)
A47J 43/04 (2006.01)
A47J 43/07 (2006.01)
(87) WO2023/224641
(31) 17/747,099 (32) 18.05.22 (33) US
(43) 23.11.2023
(72) WILLIAMS, Helen; BANNISTER, Sam;
TUBBY, Lukas; MICHENZI, Ryan; HE,
Max; CHU, Ping
(74) FB Rice Pty Ltd
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- (71) SHELL INTERNATIONALE RE-
SEARCH MAATSCHAPPIJ B.V.
(11) AU-A-2023302583
(21) 2023302583 (22) 05.07.2023
(54) A PROCESS FOR PRODUCING
ETHYLENE
(51) Int. Cl.
C25B 3/03 (2021.01)
C25B 3/25 (2021.01)
C25B 15/027 (2021.01)
C25B 15/08 (2006.01)
(87) WO2024/008793
(31) 63/359,271 (32) 08.07.22 (33) US
22186030.7 20.07.22 EP
(43) 11.01.2024
(72) VERMA, Sumit; OLTHOF, Timothé Jo-
hannes; CORBETT, Paul Joseph; BAL-
AJI, Sayee Prasaad
(74) Spruson & Ferguson
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- (71) SHIN-ETSU CHEMICAL CO., LTD.
(11) AU-A-2023280609
(21) 2023280609 (22) 29.05.2023
(54) ANTIVIRAL COMPOSITION AND
MEMBER HAVING SAID COMPOSI-
TION AT SURFACE THEREOF
(51) Int. Cl.
A01N 59/16 (2006.01)

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(31) 2022-087677 **(32)** 30.05.22 **(33)** JP
(43) 07.12.2023
(72) HINOUE Mikiya; INOUE Tomohiro;
 FURUDATE Manabu
(74) WRAYS PTY LTD
-
- (71)** SHIN-ETSU CHEMICAL CO., LTD.
(11) AU-A-2023282099
(21) 2023282099 **(22)** 29.05.2023
(54) ANTIVIRAL COMPOSITION AND
 MEMBER HAVING SAME ON SUR-
 FACE
(51) Int. Cl.
A01N 59/16 (2006.01)
A01P 1/00 (2006.01)
(87) WO2023/234239
(31) 2022-087676 **(32)** 30.05.22 **(33)** JP
(43) 07.12.2023
(72) HINOUE Mikiya; INOUE Tomohiro;
 FURUDATE Manabu
(74) WRAYS PTY LTD
-
- (71)** SHOPIFY INC.
(11) AU-A-2023297120
(21) 2023297120 **(22)** 11.04.2023
(54) VOLUMETRIC PERMISSIONING
(51) Int. Cl.
G06V 20/40 (2022.01)
G06F 21/62 (2013.01)
G06T 5/00 (2006.01)
G06V 40/20 (2022.01)
(87) WO2024/000059
(31) 17/850,766 **(32)** 27.06.22 **(33)** US
(43) 04.01.2024
(72) BEAUCHAMP, Daniel; LEPP, James
(74) Murray Trento & Associates Pty Ltd
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- (71)** SICHUAN HUIYU PHARMACEUT-
 ICAL CO., LTD.; SICHUAN HUIYU
 SEACROSS PHARMACEUTICAL
 TECHNOLOGY CO., LTD.
(11) AU-A-2023286928
(21) 2023286928 **(22)** 19.06.2023
(54) ANTIBODY AND USE THEREOF
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C12N 15/13 (2006.01)
C12N 15/63 (2006.01)
(87) WO2023/246701
(31) 202210700116.0 **(32)** 20.06.22 **(33)** CN
(43) 28.12.2023
(72) YAN, Wenjun; ZHANG, Yang; TANG,
 Yurui; BAI, Ju; DENG, Jian; WEI, Tao;
 DING, Zhao
(74) Forte Intellectual Property Pty Ltd
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- (71)** SIEMENS MOBILITY, INC.
(11) AU-A-2023313981
(21) 2023313981 **(22)** 10.07.2023
(54) DEVICE AND METHOD FOR DETECT-
 ING AND CONTROLLING AN ARM
 POSITION OF A RAILROAD CROSS-
 ING GATE MECHANISM
-
- (51)** Int. Cl.
B61L 29/16 (2006.01)
(87) WO2024/025728
(31) 17/815,692 **(32)** 28.07.22 **(33)** US
(43) 01.02.2024
(72) YOUNG, Paul
(74) Spruson & Ferguson
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- (71)** SIEMENS MOBILITY, INC.
(11) AU-A-2023313982
(21) 2023313982 **(22)** 10.07.2023
(54) DEVICE AND METHOD FOR RE-
 SPONDING TO LOSS-OF-BRAKE
 ON A RAILROAD CROSSING GATE
 MECHANISM
(51) Int. Cl.
B61L 29/10 (2006.01)
B61L 29/16 (2006.01)
B61L 29/22 (2006.01)
(87) WO2024/025729
(31) 17/815,734 **(32)** 28.07.22 **(33)** US
(43) 01.02.2024
(72) YOUNG, Paul
(74) Spruson & Ferguson
-
- (71)** SIKA TECHNOLOGY AG
(11) AU-A-2023307271
(21) 2023307271 **(22)** 21.06.2023
(54) POLYMER COMPOSITION WHICH
 CAN BE CURED AT ROOM TEMPER-
 ATURE AND WHICH IS MADE OF
 POLYALDEHYDE AND 1,3 KETO ES-
 TER
(51) Int. Cl.
C08G 16/02 (2006.01)
C08G 18/10 (2006.01)
C08G 18/48 (2006.01)
C08G 18/75 (2006.01)
C08G 18/84 (2006.01)
(87) WO2024/012828
(31) 22184829.4 **(32)** 13.07.22 **(33)** EP
(43) 18.01.2024
(72) KRAMER, Andreas; HÄBERLE, Hans;
 BURCKHARDT, Urs
(74) WRAYS PTY LTD
-
- (71)** SOCIÉTÉ DES PRODUITS NESTLÉ
 S.A.
(11) AU-A-2023331752
(21) 2023331752 **(22)** 14.08.2023
(54) A PROCESS FOR PRODUCING A
 WET SAVOURY PRODUCT
(51) Int. Cl.
A23L 3/00 (2006.01)
A23L 3/16 (2006.01)
A23L 23/00 (2016.01)
A23L 23/10 (2016.01)
A23L 29/10 (2016.01)
A23L 29/20 (2016.01)
A23L 29/206 (2016.01)
A23L 29/212 (2016.01)
A23L 33/21 (2016.01)
A23L 33/26 (2016.01)
(87) WO2024/046744
(31) 22193070.4 **(32)** 31.08.22 **(33)** EP
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- (43)** 07.03.2024
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 Bernd; MURGUEYTIO RIOFRÍO, Elvia
 Luigina
(74) Spruson & Ferguson
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- (71)** SONOMA BIOTHERAPEUTICS, INC.
(11) AU-A-2023306306
(21) 2023306306 **(22)** 10.07.2023
(54) RECOMBINANT CYTOKINE RECEPT-
 ORS AND METHODS OF USE
(51) Int. Cl.
C12N 5/0783 (2010.01)
C07K 14/715 (2006.01)
C07K 14/725 (2006.01)
C07K 16/28 (2006.01)
(87) WO2024/015734
(31) 63/368,085 **(32)** 11.07.22 **(33)** US
 63/498,802 27.04.23 US
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(43) 18.01.2024
(72) BEILKE, Joshua; MATTHAEI, James;
 VAN GOOL, Frederic; CORTEZ, Jes-
 sica
(74) Spruson & Ferguson
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- (71)** SPACECUBE IP PTY LTD
(11) AU-A-2023284474
(21) 2023284474 **(22)** 06.06.2023
(54) DEMOUNTABLE CONSTRUCTION
 AND COMPONENT THEREFOR
(51) Int. Cl.
E04B 1/58 (2006.01)
E04B 1/343 (2006.01)
E04H 1/12 (2006.01)
(87) WO2023/235916
(31) 2022901548 **(32)** 07.06.22 **(33)** AU
(43) 14.12.2023
(72) FISHER, Jeremy Nicholas; SHILO, Ant-
 on
(74) FPA Patent Attorneys Pty Ltd
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- (71)** SPV HEALTHCARE LTD
(11) AU-A-2022458399
(21) 2022458399 **(22)** 18.05.2022
(54) A CONTROLLED RELEASE, ANTIMI-
 CROBIAL GEL FOR THE TREATMENT
 OF VAGINAL INFECTIONS
(51) Int. Cl.
A61K 9/00 (2006.01)
A61K 9/06 (2006.01)
A61K 47/32 (2006.01)
A61P 15/02 (2006.01)
(87) WO2023/222215
(43) 23.11.2023
(72) COSTELLO, Stephen; O'CALLAGHAN,
 Desmond
(74) Wrays Pty Ltd
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- (71)** STEPAN COMPANY
(11) AU-A-2023289337
(21) 2023289337 **(22)** 19.06.2023
(54) ALKALINE SUSPENDING SYSTEMS
 CONSTRUCTED FROM HYDRO-
 TROPES AND AMINES
(51) Int. Cl.
A01N 25/30 (2006.01)

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B01F 23/50 (2022.01)
C01B 32/182 (2017.01)
C11D 1/655 (2006.01)
- (87) WO2023/250296
(31) 63/353,791 (32) 20.06.22 (33) US
(43) 28.12.2023
(72) HAWKINS, John; FORREST, George;
MARSDEN, Andrew
(74) Spruson & Ferguson
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- (71) STRAUSS, B.H.; CIBULSKI, G.
(11) AU-A-2023268774
(21) 2023268774 (22) 11.05.2023
(54) BENDABLE GUIDEWIRE LUMEN
(51) Int. Cl.
A61M 25/00 (2006.01)
A61F 2/856 (2013.01)
A61M 25/01 (2006.01)
A61M 25/09 (2006.01)
- (87) WO2023/218467
(31) 63/341,431 (32) 13.05.22 (33) US
(43) 16.11.2023
(72) STRAUSS, Bradley Howard; CIBULSKI, Gilad
(74) Halfords IP
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- (71) STRYKER CORPORATION
(11) AU-A-2023283373
(21) 2023283373 (22) 08.06.2023
(54) DEVICES FOR IMAGE-BASED ANALYSIS OF WASTE MATERIAL WITHIN A CANISTER
(51) Int. Cl.
A61M 1/00 (2006.01)
G01N 33/49 (2006.01)
G06T 7/00 (2017.01)
- (87) WO2023/239841
(31) 63/350,217 (32) 08.06.22 (33) US
(43) 14.12.2023
(72) SCHERF, Steven D.; PASTRICK, Matthew B.; KEIZER, Christopher J.; BARRETT, Helayna A.; STINCHCOMB, Michael A.; EDINGER, Benjamin; CONWAY, Jeffrey; CONWAY, Russell
(74) Davies Collison Cave Pty Ltd
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- (71) STRYKER CORPORATION
(11) AU-A-2023292245
(21) 2023292245 (22) 13.06.2023
(54) TRAJECTORY GUIDANCE OF HAND-HELD SURGICAL TOOLS DURING A SURGICAL PROCEDURE
(51) Int. Cl.
A61B 34/20 (2016.01)
A61B 17/17 (2006.01)
A61B 34/10 (2016.01)
A61B 90/00 (2016.01)
- (87) WO2023/244566
(31) 63/366,314 (32) 13.06.22 (33) US
63/395,135 04.08.22 US
(43) 21.12.2023
(72) SHARMA, Rahul; PANT, Gaurav, Chandra
(74) Davies Collison Cave Pty Ltd
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- (71) STRYKER CORPORATION
(11) AU-A-2023292677
(21) 2023292677 (22) 16.06.2023
(54) ESTIMATION OF BLOOD LOSS WITHIN A WASTE CONTAINER OF A MEDICAL WASTE COLLECTION SYSTEM
(51) Int. Cl.
G16H 30/40 (2018.01)
A61B 5/02 (2006.01)
A61M 1/00 (2006.01)
G06T 7/00 (2017.01)
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A61G 7/018 (2006.01)
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A61G 7/05 (2006.01)
A61G 7/012 (2006.01)
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A61P 35/00 (2006.01)
C07D 215/20 (2006.01)
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G01C 21/36 (2006.01)
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H04W 24/02 (2009.01)
B32B 5/12 (2006.01)
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C01B 21/26 (2006.01)
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A61K 31/553 (2006.01)
A61P 35/00 (2006.01)
C07D 471/08 (2006.01)
C07D 471/10 (2006.01)
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(51) Int. Cl.			Panagiotis	OF
A01D 41/12 (2006.01)			(74) PHILLIPS ORMONDE FITZPATRICK	(51) Int. Cl.
A01D 41/127 (2006.01)				C12N 15/113 (2010.01)
A01F 12/40 (2006.01)				(87) WO2023/227622
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MARK ATTORNEYS PTY LTD				(74) Spruson & Ferguson
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FUNCTIONAL BOOSTER COMPOSI-			BALT FROM BLACK MASS	TROCHEMICAL DNA SENSORS
TIONS			(51) Int. Cl.	THAT USE STERIC HINDRANCE AND
(51) Int. Cl.			C22B 1/00 (2006.01)	REDOX INHIBITION MECHANISMS
A01N 33/08 (2006.01)			C22B 7/00 (2006.01)	(51) Int. Cl.
A01P 1/00 (2006.01)			C22B 23/02 (2006.01)	C12Q 1/68 (2018.01)
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Wolfgang; LIU, Chun				(74) Davies Collison Cave Pty Ltd
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(71) TYRIS THERAPEUTICS, S.L.			(71) UNICHARM CORPORATION	(71) UNIVERSITY OF PITTSBURGH - OF
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A61P 9/10 (2006.01)
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A61P 11/00 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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Charlotte
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ING RELATIVE N6-METHYLADENINE
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CIFIC GENOMIC REGIONS
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SCHROEDER, Dennis; ROSELAUF,
Brian; LALOR, David P., Jr.
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C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
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(71) HUGHES, Brendan; FRANGISKOS, Andrew (74) Davies Collison Cave Pty Ltd	(71) WEE.NO AS (11) AU-A-2023315610 (21) 2023315610 (22) 06.07.2023 (54) A ROOF ELEMENT AND A SHELTER MADE FROM SAME (51) Int. Cl.	(71) YALE UNIVERSITY (11) AU-A-2023275763 (21) 2023275763 (22) 24.05.2023 (54) HARNESSING IKZF:BETA-CATENIN COMPLEXES IN THE TREATMENT OF LYMPHOCYTE ASSOCIATED DISEASES OR CONDITIONS (51) Int. Cl.
(71) WABTEC HAUTS-DE-FRANCE (11) AU-A-2023268713 (21) 2023268713 (22) 12.05.2023 (54) RAILWAY BRAKING SYSTEM FOR A RAILWAY VEHICLE, AND RAILWAY VEHICLE PROVIDED WITH SUCH A SYSTEM (51) Int. Cl.	(71) WEIR MINERALS NETHERLANDS B.V. (11) AU-A-2023332574 (21) 2023332574 (22) 17.08.2023 (54) VALVE (51) Int. Cl.	(71) YALE UNIVERSITY (11) AU-A-2023275763 (21) 2023275763 (22) 24.05.2023 (54) HARNESSING IKZF:BETA-CATENIN COMPLEXES IN THE TREATMENT OF LYMPHOCYTE ASSOCIATED DISEASES OR CONDITIONS (51) Int. Cl.
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(71) WABTEC HAUTS-DE-FRANCE (11) AU-A-2023268713 (21) 2023268713 (22) 12.05.2023 (54) RAILWAY BRAKING SYSTEM FOR A RAILWAY VEHICLE, AND RAILWAY VEHICLE PROVIDED WITH SUCH A SYSTEM (51) Int. Cl.	(71) WEIR MINERALS NETHERLANDS B.V. (11) AU-A-2023332574 (21) 2023332574 (22) 17.08.2023 (54) VALVE (51) Int. Cl.	(71) YALE UNIVERSITY (11) AU-A-2023275763 (21) 2023275763 (22) 24.05.2023 (54) HARNESSING IKZF:BETA-CATENIN COMPLEXES IN THE TREATMENT OF LYMPHOCYTE ASSOCIATED DISEASES OR CONDITIONS (51) Int. Cl.
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(71) WABTEC HAUTS-DE-FRANCE (11) AU-A-2023268713 (21) 2023268713 (22) 12.05.2023 (54) RAILWAY BRAKING SYSTEM FOR A RAILWAY VEHICLE, AND RAILWAY VEHICLE PROVIDED WITH SUCH A SYSTEM (51) Int. Cl.	(71) WEIR MINERALS NETHERLANDS B.V. (11) AU-A-2023332574 (21) 2023332574 (22) 17.08.2023 (54) VALVE (51) Int. Cl.	(71) YALE UNIVERSITY (11) AU-A-2023275763 (21) 2023275763 (22) 24.05.2023 (54) HARNESSING IKZF:BETA-CATENIN COMPLEXES IN THE TREATMENT OF LYMPHOCYTE ASSOCIATED DISEASES OR CONDITIONS (51) Int. Cl.
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B41M 5/52 (2006.01)
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(74) PHILLIPS ORMONDE FITZPATRICK
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CREASING ENERGY OUTPUT IN
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(72) STOLTZ, Peter H.; MEIER, Eric T.;
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BAND FULL DUPLEX RANDOM AC-
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2023266865	HAINAN SIMCERE ZAIMING PHARMACEUTICAL CO., LTD.	2023275771	KATHOLIEKE UNIVERSITEIT LEUVEN; BIOHAVEN THERAPEUTICS LTD.
2023267043	VIVASOR, INC.; LEVENA BIOPHARMA US, INC.; LEVENA (SUZHOU) BIOPHARMA CO., LTD.; MULTITUDE THERAPEUTICS INC.	2023275930	KATHOLIEKE UNIVERSITEIT LEUVEN; BIOHAVEN THERAPEUTICS LTD.
2023267270	DEPUY IRELAND UNLIMITED COMPANY	2023276596	QUANTA THERAPEUTICS, INC.
2023267294	JANSSEN PHARMACEUTICA NV	2023276708	KATHOLIEKE UNIVERSITEIT LEUVEN; BIOHAVEN THERAPEUTICS LTD.
2023267431	AIZEN GLOBAL CO., INC.	2023276867	KATHOLIEKE UNIVERSITEIT LEUVEN; BIOHAVEN THERAPEUTICS LTD.
2023267464	OSSABILITY LIMITED	2023276871	PACKSYS GMBH
2023267584	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; THE WISCONSIN ALUMNI RESEARCH FOUNDATION	2023276877	PLANTICS HOLDING B.V.
2023267834	CORNER THERAPEUTICS, INC.	2023276960	PLURI BIOTECH LTD.
2023267905	UMICORE	2023277630	KATHOLIEKE UNIVERSITEIT LEUVEN; BIOHAVEN THERAPEUTICS LTD.
2023267946	JANSSEN PHARMACEUTICA NV	2023277707	OCADO INNOVATION LIMITED
2023267987	WONDERLAND SWITZERLAND AG	2023277712	OCADO INNOVATION LIMITED
2023267988	WONDERLAND SWITZERLAND AG	2023277729	GEN-PROBE INCORPORATED
2023268011	FORG3D LTD	2023277730	UNIVERSITAT DE VALÈNCIA; ARTHEx BIOTECH S.L.
2023268051	BIONTECH SE	2023277760	OCADO INNOVATION LIMITED
2023268454	R.P. SCHERER TECHNOLOGIES, LLC	2023277791	PRECISION PLANTING LLC
2023268561	PHOENIX TAILINGS, INC.	2023277828	UNIVERSITY OF PITTSBURGH - OF THE COMMON-WEALTH SYSTEM OF HIGHER EDUCATION
2023268713	WABTEC HAUTS-DE-FRANCE		
2023268774	STRAUSS, B.H.; CIBULSKI, G.		
2023269225	SCHREDER S.A.		
2023269250	AESCULAP AG		
2023269288	YMK HOLDINGS LLC		
2023269343	JANSSEN PHARMACEUTICALS, INC.		
2023269515	JANSSEN PHARMACEUTICA NV		
2023269610	UNIVERSITY OF STRATHCLYDE		
2023269639	BRISBY, INC.		

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2023278488	C.M.C. S.P.A.	2023284061	HASKONINGDHV NEDERLAND B.V.
2023278502	NOVARTIS AG	2023284073	METSO FINLAND OY
2023278779	ALL G CO HOLDINGS PTY LIMITED	2023284150	BATTERI THOMAS LTD.
2023278859	DEXCOM, INC.	2023284394	NATIONAL OILWELL VARCO, L.P.
2023278973	BAKER HUGHES ENERGY TECHNOLOGY UK LIM- ITED	2023284413	NATARAJAN, S.
2023279101	PETRI BIO, INC.	2023284417	CHART ENERGY & CHEMICALS, INC.
2023279180	IMPERIAL COLLEGE INNOVATIONS LIMITED	2023284418	TREELINE BIOSCIENCES, INC.
2023279194	SUBRA A/S	2023284470	GCI OUTDOOR LLC
2023279230	OPTIMUS SALVUS LIMITED	2023284474	SPACECUBE IP PTY LTD
2023279619	APPLE INC.	2023284476	SALUDA MEDICAL PTY LIMITED
2023279639	GE GRID GMBH	2023284484	ALLARTA LIFE SCIENCE INC.
2023279736	MONOLITH MATERIALS, INC.	2023284676	N.V. NUTRICIA; NUTRICIA EARLY LIFE NUTRITION (SHANGHAI) CO., LTD.
2023279852	APOLLO TOPCO BV	2023284796	ESSVE PRODUKTER AB
2023279905	UPL LIMITED	2023284958	INCYTE CORPORATION
2023279981	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	2023285014	CELLVIE AG
2023280093	AMD THERAPEUTICS LLC; BNC KOREA, INC.; TEIKA PHARMACEUTICAL CO., LTD.	2023285035	RITE-HITE HOLDING CORPORATION
2023280422	FUTUREGEN BIOPHARMACEUTICAL (BEIJING) CO., LTD.	2023285045	TROY TECHNOLOGY II, INC.
2023280609	SHIN-ETSU CHEMICAL CO., LTD.	2023285057	JUPITER WELLNESS, INC.
2023280622	PSYLO PTY LTD	2023285080	INCYTE CORPORATION
2023280661	KAICO LTD.; KYUSHU UNIVERSITY, NATIONAL UNI- VERSITY CORPORATION	2023285108	ACELYRIN, INC.; PIERRE FABRE MEDICAMENT SAS
2023280883	CHECKPOINT SYSTEMS, INC.	2023285251	NUOVO PIGNONE TECNOLOGIE - S.R.L.
2023280972	CHECKPOINT SYSTEMS, INC.	2023285266	NORTHROP GRUMMAN LITEF GMBH
2023281032	GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.	2023285381	NANEXA AB
2023281044	TG THERAPEUTICS, INC.; LABORATOIRE FRAN- CAIS DU FRACTIONNEMENT ET DES BIOTECHNO- LOGIES	2023285422	TECHNION RESEARCH & DEVELOPMENT FOUNDA- TION LIMITED; THE UNIVERSITY OF TOKYO
2023281081	NUOVO PIGNONE TECNOLOGIE - S.R.L.	2023285432	TBM CO.,LTD.
2023281204	IMPERIAL COLLEGE INNOVATIONS LIMITED	2023285579	SAPIENS BIO INC.
2023281591	INNOVENT BIOLOGICS (SUZHOU) CO., LTD.	2023285631	DEAKIN UNIVERSITY
2023281637	CLEARNOTE HEALTH, INC.	2023285664	POLARIS INDUSTRIES INC.
2023281732	JSG IP VENTURES, LLC	2023285684	KICHO INC.
2023281737	DAKTRONICS, INC.	2023285686	KOLOMA, INC.
2023281878	NOMONO AS	2023286057	NEON HEALTHCARE LTD
2023282099	SHIN-ETSU CHEMICAL CO., LTD.	2023286062	UPL MAURITIUS LIMITED; UPL EUROPE LTD.
2023282122	ROSS FAULKNER PTY LIMITED	2023286187	AGRICULTURE VICTORIA SERVICES PTY LTD
2023282131	TERRAJOLE ENERGY INC.	2023286441	NATIONAL OILWELL VARCO, L.P.
2023282399	ANTENGENE BIOLOGICS LIMITED	2023286612	AXCEND, LLC
2023282693	TAIHO PHARMACEUTICAL CO., LTD.	2023286749	CAPRI MEDICAL LIMITED
2023282713	CAREGEN CO., LTD.	2023286780	DSM IP ASSETS B.V.
2023282823	MADISON SCIENTIFIC, INC.	2023286795	FMC KONGSBERG SUBSEA AS
2023282834	LIVEPERSON, INC.	2023286838	BERGENBIO ASA
2023282886	PROPRIO, INC.	2023286843	NOURYON CHEMICALS INTERNATIONAL B.V.
2023282896	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	2023286928	SICHUAN HUIYU PHARMACEUTICAL CO., LTD.; SICHUAN HUIYU SEACROSS PHARMACEUTICAL TECHNOLOGY CO., LTD.
2023282924	ELEMENT BIOSCIENCES, INC.	2023287078	ALIBABA (CHINA) CO., LTD.
2023282945	OPTIONX HOLDINGS PTY LTD	2023287237	UNIVERSITY OF TASMANIA
2023283329	NEVADOS ENGINEERING, INC.	2023287432	GI INNOVATION, INC.
2023283365	KNOW BIO, LLC	2023287533	UNIVERSIDADE DE SANTIAGO DE COMPOSTELA
2023283369	LANTERN PHARMA INC.	2023287569	INNOSPEC LIMITED
2023283373	STRYKER CORPORATION	2023287599	REGENTS OF THE UNIVERSITY OF MICHIGAN
2023283385	NEXTRACKER LLC	2023287617	EASYSNAP TECHNOLOGY S.R.L.
2023283387	TENSAR INTERNATIONAL CORPORATION	2023287743	CAGENT VASCULAR, INC.
2023283393	INTERLINE THERAPEUTICS, INC.	2023287885	MITSUBISHI HEAVY INDUSTRIES THERMAL SYS- TEMS, LTD.
2023283394	PRECIDIAN INVESTMENTS, LLC	2023288062	KRONOS INTERNATIONAL, INC.
2023283442	QINGDAO HAIER LAUNDRY ELECTRIC APPLI- ANCES CO., LTD; HAIER SMART HOME CO., LTD.	2023288161	KENVUE BRANDS LLC
2023283691	DEJERO LABS INC.	2023288162	FISHER & PAYKEL HEALTHCARE LIMITED
2023283695	CATERPILLAR INC.	2023288301	YUPO CORPORATION
2023283720	SUTRO BIOPHARMA, INC.	2023288446	JJR&D, LLC
2023283817	LOCUS SOLUTIONS IPCO, LLC	2023288466	BRAINCHIP, INC.
2023283956	SHANDONG LUYE PHARMACEUTICAL CO., LTD.	2023288469	DENALI THERAPEUTICS INC.
2023283970	NUOVO PIGNONE TECNOLOGIE - S.R.L.	2023288913	MEIOGENIX; INSTITUT CURIE; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; SORBONNE UNIVERSITE
2023283983	NORTHROP GRUMMAN LITEF GMBH	2023289085	ILLINOIS TOOL WORKS INC.
		2023289134	BRAINCHIP, INC.
		2023289186	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
		2023289335	SURROZEN OPERATING, INC.
		2023289337	STEPAN COMPANY
		2023289372	PRO-DEX, INC.

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2023289387	TARO PHARMACEUTICAL INDUSTRIES LTD.	2023296513	THYSSENKRUPP UHDE GMBH; THYSSENKRUPP AG
2023289513	FMC KONGSBERG SUBSEA AS	2023296626	CHR. HANSEN A/S
2023289687	AVENCELL THERAPEUTICS INC.	2023296682	ANHORN MEDICINES CO., LTD.
2023289688	ACHIEVE EQUINE, LLC	2023296695	FERTIN PHARMA A/S
2023289810	ORICA INTERNATIONAL PTE LTD	2023296929	PULPEX LIMITED
2023289887	EDWARDS LIFESCIENCES CORPORATION	2023297075	N.V. NUTRICIA
2023289930	THE JOHNS HOPKINS UNIVERSITY	2023297102	BROATCH, P.
2023290084	WIPAIRE, INC.	2023297116	DEIMOS LABORATORY PTY LTD
2023290106	CNH INDUSTRIAL AMERICA LLC	2023297120	SHOPIFY INC.
2023290178	HUBBELL INCORPORATED	2023297167	ALGESACOOING PTY LTD
2023290179	HUBBELL INCORPORATED	2023297168	DEAKIN UNIVERSITY
2023290200	KODIAK ROBOTICS, INC.	2023297727	HISENSE RONSHEN (GUANGDONG) REFRIGERAT-OR CO., LTD.
2023290283	VERTOS MEDICAL, INC.		
2023290314	BIOCYTOGEN PHARMACEUTICALS (BEIJING) CO., LTD.; SHANGHAI INSTITUTE OF BIOLOGICAL PRODUCTS CO., LTD.	2023297801	HUMMINGBIRD DIAGNOSTICS GMBH
		2023297822	BARANOWITZ, S.
2023290328	MYROBALAN THERAPEUTICS, INC.	2023297849	CIDRA CONCRETE SYSTEMS INC.
2023290334	HUAWEI TECHNOLOGIES CO., LTD.	2023298002	TYRIS THERAPEUTICS, S.L.
2023290344	CHENGDU SHIBEIKANG BIOMEDICAL TECHNOLOGY CO., LTD.	2023298016	ARRIS ENTERPRISES LLC
		2023298082	SANDVIK SRP AB
2023290620	QD-SOL, LTD.; TECHNION RESEARCH AND DEVELOPMENT FOUNDATION, LTD.	2023298151	NEUROGENE INC.
		2023298169	JFE STEEL CORPORATION
2023290656	NEWCLEO HOLDING SA	2023298223	CHEP TECHNOLOGY PTY LIMITED
2023290887	OJI HOLDINGS CORPORATION	2023298470	NGK INSULATORS, LTD.
2023290930	OPTIONX HOLDINGS PTY LTD	2023298493	MEGMILK SNOW BRAND CO., LTD.
2023290931	TRAJAN SCIENTIFIC AUSTRALIA PTY LTD	2023298832	MITSUBISHI HEAVY INDUSTRIES, LTD.
2023291059	DONAGHYS LIMITED	2023299130	DIATECH DIABETES, INC.
2023291138	GOOGLE LLC	2023299271	PROLACTA BIOSCIENCE, INC.
2023291260	EVER NEURO PHARMA GMBH	2023299294	INTELLIA THERAPEUTICS, INC.
2023291508	HUN-REN TÁMOGATOTT KUTATÓCSOPORTOK IRODÁJA; SEMMELWEIS EGYETEM	2023299635	CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD
		2023299643	WAHL CLIPPER CORPORATION
2023291806	KING'S COLLEGE LONDON	2023300349	GLOBAL LIFE SCIENCES SOLUTIONS CANADA ULC
2023292071	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2023300419	TRANSGENE
		2023300524	PERIMETER SOLUTIONS LP
2023292245	STRYKER CORPORATION	2023300540	GRAPHIC PACKAGING INTERNATIONAL, LLC
2023292668	MARS, INCORPORATED	2023300700	HEMPBLOCK INTERNATIONAL PTY LTD
2023292677	STRYKER CORPORATION	2023300731	AKER BIOMARINE HUMAN INGREDIENTS AS
2023292893	TREELINE BIOSCIENCES, INC.	2023300784	ANHORN MEDICINES CO., LTD.
2023293093	INCYTE CORPORATION	2023300969	RUNWAY BLUE, LLC
2023293118	GENETIC INTELLIGENCE, INC	2023300973	ELI LILLY AND COMPANY
2023293148	OPTIONX HOLDINGS PTY LTD	2023300979	REGENERON PHARMACEUTICALS, INC.
2023293378	CATERPILLAR INC.	2023300988	MONSANTO TECHNOLOGY LLC
2023293477	ENGEX PTY LTD	2023301124	HOXTON FARMS LTD
2023293493	UNIVERSITE DE MONTREAL	2023301227	GRAPHIC PACKAGING INTERNATIONAL, LLC
2023293555	3TI ENERGY HUBS LTD	2023301542	NAVIGO PROTEINS GMBH
2023293666	CURACELL GERMANY GMBH	2023301570	PULPEX LIMITED
2023293854	HIGHVIEW ENTERPRISES LIMITED	2023301621	FORESEEN TECHNOLOGY (BEIJING) CO., LTD.; FORESEEN BIOTECHNOLOGY (SHANGHAI) CO., LTD.
2023293920	CARBIO		
2023293981	THE PROVOST, FELLOWS, FOUNDATION SCHOLARS, AND THE OTHER MEMBERS OF BOARD, OF THE COLLEGE OF THE HOLY AND UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN; UNIVERSITY COLLEGE DUBLIN	2023301696	ANNEX PRODUCTS PTY. LTD.
		2023301836	GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI
2023294394	OPTIONX HOLDINGS PTY LTD	2023301964	AGRA GROUP A.S.
2023294596	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2023301972	FERTIN PHARMA A/S
		2023302003	ESPERA-WERKE GMBH
2023294612	EMERGING COMPOUNDS TREATMENT TECHNOLOGIES, INC.	2023302100	FERRING B.V.
		2023302448	ALIBABA (CHINA) CO., LTD.
2023295389	ICU MEDICAL, INC.	2023302482	HE3DA S.R.O.
2023295428	PRELUDE THERAPEUTICS INCORPORATED	2023302564	BEJO ZADEN B.V.
2023295521	CEPHALON LLC	2023302572	ENGIE; ENERCAT - ALSYS GROUP
2023295618	SHAOXING YONGFENG ENERGY SAVING TECHNOLOGY CO., LTD	2023302583	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.
		2023303022	DYNE THERAPEUTICS, INC.
2023295658	MGI TECH CO., LTD.	2023303166	METTLER-TOLEDO, LLC
2023295712	INVENTIO AG	2023303177	LIMACORPORATE S.P.A.
2023295851	CAPRI MEDICAL LIMITED	2023303717	ALIBABA (CHINA) CO., LTD.
2023296082	KOKI HOLDINGS CO., LTD.	2023303873	NOVO NORDISK A/S
2023296101	UNICHARM CORPORATION	2023303931	HORIZONFIRM S.R.L.
2023296161	ALIVEXIS, INC.; ASTELLAS PHARMA INC.	2023304144	HYBRIT DEVELOPMENT AB
2023296255	OPTIONX HOLDINGS PTY LTD	2023304173	THE TORO COMPANY
2023296475	MAHLO, A.	2023304183	BIOMET MANUFACTURING, LLC
		2023304662	FNV IP B.V.

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2023304859	KUREHA CORPORATION	2023423186	CURIUM US LLC
2023304967	VISY R & D PTY LTD	2023444874	GAO, Y.; ZHANG, K.
2023305043	PURAC BIOCHEM B.V.	2024209031	MOEBIUS MEDICAL LTD.
2023305091	ARGENX BV	2024221664	ILLUMINA, INC.
2023306168	MINIMAX VIKING PATENT MANAGEMENT GMBH; VIKING GROUP, INC.	2024226438	MOHANTA, A.
2023306306	SONOMA BIOTHERAPEUTICS, INC.	2024227383	NITROCHEMIE ASCHAU GMBH
2023306315	INSULET CORPORATION	2024231727	ILLUMINA, INC.
2023306408	BROWNLOW, G.	2024266706	MCCARTHY, D.
2023306616	OPTO BIOSYSTEMS LTD	2024273946	COOPERVISION INTERNATIONAL LIMITED
2023306624	POTENTIA LTD		
2023306793	TRITANA INTELLECTUAL PROPERTY LTD.		
2023306796	ENTEROBIOME INC.		
2023307100	GILEAD SCIENCES, INC.		
2023307214	INTERDIGITAL CE PATENT HOLDINGS, SAS		
2023307271	SIKA TECHNOLOGY AG		
2023308270	ACARIX A/S		
2023308413	UCL BUSINESS LTD		
2023308864	EVOQUA WATER TECHNOLOGIES LLC; EVOQUA WATER TECHNOLOGIES CANADA LTD.		
2023308979	THINKS WORKS, LLC		
2023309868	LUIGI LAVAZZA S.P.A.		
2023310144	ASTELLAS INSTITUTE FOR REGENERATIVE MEDICINE		
2023310165	BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY		
2023310683	GEA FARM TECHNOLOGIES GMBH		
2023310751	SHANGHAI PHARMACEUTICALS INDUSTRY CO., LTD		
2023310800	SANAPLAS GMBH		
2023311080	LUIGI LAVAZZA S.P.A.		
2023312291	ALCON INC.		
2023312880	VALCO INSTRUMENTS COMPANY, INC.		
2023312911	VIELA BIO, INC.		
2023312937	ALZCHEM TROSTBERG GMBH		
2023313981	SIEMENS MOBILITY, INC.		
2023313982	SIEMENS MOBILITY, INC.		
2023315283	BRIDGESTONE CORPORATION		
2023315610	WEE.NO AS		
2023315950	BOSTON SCIENTIFIC NEUROMODULATION CORPORATION; RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK		
2023315985	CYTIVA BIOPROCESS R&D AB		
2023316391	ILLUMINA, INC.		
2023317325	KAWASAKI JUKOGYO KABUSHIKI KAISHA		
2023318651	ALCON INC.		
2023323806	LEO CANCER CARE, INC.		
2023324639	BRIGHT DAIRY & FOOD CO., LTD		
2023326385	STRYKER CORPORATION		
2023329307	NEXUS SPINE, LLC		
2023330052	LEO CANCER CARE, INC.		
2023331752	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.		
2023332103	YOSHINO GYPSUM CO., LTD.		
2023332379	CONVATEC LIMITED		
2023332398	JOHNSON MATTHEY PUBLIC LIMITED COMPANY		
2023332574	WEIR MINERALS NETHERLANDS B.V.		
2023334502	ITRON, INC.		
2023337284	CHERY AUTOMOBILE CO., LTD.		
2023337418	FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E. V.; UNIVERSITÄT LEIPZIG		
2023337707	TAMURAKOKI CO., LTD.		
2023347072	CURRUS BIOLOGICS PTY LTD		
2023347073	CURRUS BIOLOGICS PTY LTD		
2023347074	CURRUS BIOLOGICS PTY LTD		
2023352061	IMEDICOM CO., LTD.		
2023355973	E3D A.C.A.I		
2023356403	CHERY AUTOMOBILE CO., LTD.		
2023382013	BIOCHILL PTY LIMITED		
2023415321	HANSON LIFT (SUZHOU) CO., LTD.		
2023416609	CHERY AUTOMOBILE CO., LTD.		

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<u>A01D 41 I/-</u>	<u>A01N 25 I/-</u>	<u>A23C 9 I/-</u>	2023324639	2023275219	
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<u>A01D 57 I/-</u>	<u>A01N 33 I/-</u>	<u>A23F 3 I/-</u>	2023311080	2023275219	<u>A61F 5 I/-</u>
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<u>A01F 12 I/-</u>	<u>A01N 37 I/-</u>	<u>A23F 5 I/-</u>	2022471290	<u>A47L 13 I/-</u>	
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<u>A01G 31 I/-</u>	<u>A01N 39 I/-</u>	<u>A23G 9 I/-</u>	2022462311	2022464269	2023312291
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2023304859	2023286062 2023291059 2023304859	2023278779	<u>A41D 27 I/-</u>		<u>A61K 31 I/-</u>
<u>A01G 9 I/-</u>	<u>A01N 47 I/-</u>	<u>A23J 3 I/-</u>	2022471290		2022457779 2022459408 2023267294 2023267584 2023267946 2023269343 2023269515 2023269610 2023271807 2023273265 2023273852 2023274003 2023274389 2023274390 2023275763 2023275771 2023275930 2023276596 2023276708 2023276867 2023277630 2023277828 2023278502 2023279230 2023280093 2023280622 2023281032 2023282693 2023283365 2023283369 2023283956 2023284418 2023284676 2023284958 2023285057 2023285579 2023285684 2023286057 2023286838 2023288446 2023289387 2023290328 2023290344 2023291260
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2022461896	<u>A01N 59 I/-</u>	2023305043	<u>A45F 3 I/-</u>	<u>A61B 34 I/-</u>	
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<u>A01H 5 I/-</u>	2023280609 2023282099	<u>A23K 40 I/-</u>	2023272770	2023269250 2023269639 2023272472 2023278859 2023281732 2023282823 2023282896 2023284476 2023292677 2023304183 2023306616 2023308270	
2022461896 2023302564	<u>A01N 63 I/-</u>	2023305043	<u>A47B 45 I/-</u>	<u>A61B 6 I/-</u>	
<u>A01H 6 I/-</u>	2023286187	<u>A23K 50 I/-</u>	2023298223	2023330052	
2022461896 2023300988 2023302564	<u>A01P 1 I/-</u>	2023305043	<u>A47B 87 I/-</u>	<u>A61B 90 I/-</u>	
<u>A01J 5 I/-</u>	2023280609 2023282099 2023285045	<u>A23L 2 I/-</u>	2023298223	2023290283 2023292245 2023329307	
2023310683	<u>A01P 13 I/-</u>	<u>A23L 23 I/-</u>	<u>A47G 19 I/-</u>	<u>A61F 13 I/-</u>	
<u>A01K 1 I/-</u>	2023285045 2023286062 2023291059	2023298493 2023311080	2023272770	2022471290 2023296101	
2023269639	<u>A01P 21 I/-</u>	2023311080 2023331752	<u>A47J 27 I/-</u>	<u>A61F 2 I/-</u>	
<u>A01K 13 I/-</u>	2023286187 2023304859	<u>A23L 29 I/-</u>	2023279852 2023337707		
2023289688	<u>A01P 3 I/-</u>	2023286780 2023331752	<u>A47J 31 I/-</u>		
<u>A01K 67 I/-</u>	2023285045	<u>A23L 3 I/-</u>	2023309868 2023311080		
2023300979	<u>A23C 11 I/-</u>	<u>A23L 33 I/-</u>	<u>A47J 36 I/-</u>		
<u>A01M 1 I/-</u>	2023278779	2022457779 2023279101 2023282713 2023286780 2023298493	2023279852		
2022462093			<u>A47J 43 I/-</u>		
<u>A01M 21 I/-</u>			2022458618		
2023306793				2023267270	

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2023292893	2023284484	2023267584	<u>A61P 1 I/-</u>		2023292071
2023293093	2023285080	2023269343		<u>A61P 29 I/-</u>	2023292893
2023293118	2023285108	2023273265	2023274003	2023267294	2023293118
2023293981	2023286928	2023278502	2023304672	2023267946	2023293666
2023295428	2023287432	2023280661		2023269515	2023294596
2023296161	2023289687	2023282693	<u>A61P 11 I/-</u>	2023274389	2023295428
2023296682	2023290314	2023284484	2023277828	2023274754	2023296682
2023296695	2023293666	2023285381	2023280661	2023275771	2023299635
2023297075	2023294596	2023286057	2023285579	2023275930	2023300419
2023298493	2023301621	2023288446	2023298493	2023276867	2023300784
2023299635	2023303873	2023289335		2023277630	2023301621
2023300731	2023305091	2023290344	<u>A61P 13 I/-</u>	2023277828	2023347074
2023300784	2023312911	2023296695		2023283393	
2023301972	2023347072	2023297075	2023280661	2023290328	<u>A61P 37 I/-</u>
2023303873	2023347073	2023300349	2023300784	2023291508	
2023304672	2023347074	2023300973			2023267294
2023310751		2023301972	<u>A61P 15 I/-</u>	<u>A61P 3 I/-</u>	2023267834
2024209031	<u>A61K 45 I/-</u>	2023310800	2022458399	2023274754	2023267946
		2024209031	2023302100	2023281591	2023269515
<u>A61K 33 I/-</u>	2023283369			2023290328	2023269866
	2023286838	<u>A61L 2 I/-</u>	<u>A61P 17 I/-</u>	2023300973	2023274390
2023297075	2023306624	2023269288		2023304672	2023274754
	2023306796		2023280661		2023275763
<u>A61K 35 I/-</u>	<u>A61K 47 I/-</u>	<u>A61L 27 I/-</u>	2023285057	<u>A61P 31 I/-</u>	2023277828
2022457779			2023288446		2023280661
2023268454	2022458399	2024209031	2023291508	2023268051	2023281044
2023269789	2023266865		2023293093	2023269343	2023282399
2023276960	2023267043	<u>A61M 1 I/-</u>	2023296682	2023269610	2023284676
2023279101	2023269343	2023278137	2023300784	2023277828	2023290328
2023280661	2023279230	2023278859	2023306796	2023280661	2023293981
2023286838	2023280093	2023283373	<u>A61P 19 I/-</u>	2023283365	2023298151
2023289687	2023281032	2023292677		2023347074	2023310751
2023293666	2023281591		2023274754	<u>A61P 33 I/-</u>	2023312911
2023294596	2023282693	<u>A61M 16 I/-</u>	2023310751		2023347072
2023306796	2023284484		2024209031	2023269610	2023347073
2023310144	2023286057	2023288162	<u>A61P 21 I/-</u>		2023347074
2023310800	2023287533	<u>A61M 25 I/-</u>		<u>A61P 35 I/-</u>	<u>A61P 39 I/-</u>
2023347074	2023288446		2023282713		2022458001
	2023296695	2023268774	2023303022	2023266865	
<u>A61K 36 I/-</u>	2023298493	2023287743		2023267043	<u>A61P 43 I/-</u>
	2023300973		<u>A61P 25 I/-</u>	2023267294	
2023291508	2023301972	<u>A61M 27 I/-</u>		2023267946	2022457779
	2023303022		2023274389	2023269515	2023277828
<u>A61K 38 I/-</u>	2023303873	2023282823	2023275771	2023269610	2023282693
	2023306624	<u>A61M 39 I/-</u>	2023275930	2023271807	2023285579
2023267043	2023310800		2023276708	2023273852	2023291508
2023268454		<u>A61M 48 I/-</u>	2023276867	2023274390	
2023269782	<u>A61K 48 I/-</u>		2023277630	2023276596	<u>A61P 5 I/-</u>
2023273809		2023282823	2023277828	2023277828	
2023280661	2023280661	<u>A61M 5 I/-</u>	2023278502	2023279101	2023304672
2023281591	2023285014		2023280622	2023280422	<u>A61P 7 I/-</u>
2023282713	2023285684	2022460774	2023283956	2023281032	
2023285422	2023307100	2023278859	2023285684	2023281044	2023290344
2023287533		2023295389	2023286057	2023282399	
2023292071	<u>A61K 49 I/-</u>	2023355973	2023290328	2023282693	<u>A61P 9 I/-</u>
2023298151		<u>A61N 1 I/-</u>	2023290344	2023283369	
2023300973	2023289930		2023291260	2023283720	2023272370
2023301542	<u>A61K 51 I/-</u>	2023272597	2023297075	2023284418	2023277828
2023302100		2023284476	2023300731	2023284958	2023281591
2023306624	2023423186	2023286749	2023305091	2023285080	2023290344
2023310800		2023295851	2023306624	2023285108	2023297075
<u>A61K 39 I/-</u>	<u>A61K 8 I/-</u>	2023315950	2023310144	2023285381	2023304672
		<u>A61N 5 I/-</u>	<u>A61P 27 I/-</u>	2023285422	
2023267834	2022458001			2023286838	<u>A61Q 17 I/-</u>
2023268051	2023286843	2023323806	2023267584	2023286928	
2023269866	2023288161	2023330052	2023268454	2023287432	2023286843
2023274754	2023306796		2023280093	2023289687	
2023280422	<u>A61K 9 I/-</u>		2023289335	2023290314	<u>A61Q 19 I/-</u>
2023280661			2023310800	2023290328	
2023281044	2022458399			2023291508	2022458001
2023282399					2023288446

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2023291508	<u>B01D 69 I/-</u>	<u>B21D 22 I/-</u>	<u>B29C 35 I/-</u>	<u>B41M 5 I/-</u>	<u>B61D 7 I/-</u>
<u>A61Q 5 I/-</u>	2023273872	2023293477	2023276877	2023288301	2023269748
2023288161	<u>B01D 71 I/-</u>	<u>B22D 19 I/-</u>	2023315283	<u>B60B 33 I/-</u>	<u>B61H 5 I/-</u>
2023306796	2023273872	2023298082	<u>B29C 43 I/-</u>	2023273098	2023268713
<u>A61Q 7 I/-</u>	<u>B01F 23 I/-</u>	2023276877	2023296929	<u>B60C 19 I/-</u>	<u>B61L 27 I/-</u>
2023306796	2023273266	<u>B22F 10 I/-</u>	2023268011	2023315283	2022474525
<u>A62C 3 I/-</u>	2023289337	2023268011	<u>B29C 44 I/-</u>	<u>B60K 1 I/-</u>	<u>B61L 29 I/-</u>
2023300524	<u>B01F 25 I/-</u>	<u>B22F 12 I/-</u>	2023301570	2023277707	2023313981
<u>A62C 31 I/-</u>	2023273266	2023268011	<u>B29C 48 I/-</u>	<u>B60K 35 I/-</u>	2023313982
2023306168	<u>B01J 20 I/-</u>	<u>B22F 3 I/-</u>	2023306408	2024266706	<u>B62B 3 I/-</u>
<u>A62D 1 I/-</u>	2023287237	2023298082	<u>B29C 49 I/-</u>	<u>B60K 6 I/-</u>	2023298223
2023300524	2023297168	<u>B22F 5 I/-</u>	2023296929	2022467834	<u>B62D 55 I/-</u>
<u>A63B 43 I/-</u>	2023298470	2023298082	<u>B29D 30 I/-</u>	2023272469	2023293378
2023282122	<u>B01J 21 I/-</u>	<u>B23K 10 I/-</u>	2023315283	<u>B60L 15 I/-</u>	<u>B63B 22 I/-</u>
<u>A63B 69 I/-</u>	2023302572	2023268011	<u>B29L 30 I/-</u>	2023271145	2022469802
2023282122	<u>B01J 23 I/-</u>	<u>B23K 103 I/-</u>	2023315283	2023304173	<u>B63B 45 I/-</u>
<u>A63B 71 I/-</u>	2023302572	2023268011	<u>B31B 50 I/-</u>	<u>B60L 3 I/-</u>	2023285664
2022462311	<u>B01J 35 I/-</u>	<u>B23K 26 I/-</u>	2023278488	2023269719	<u>B64C 25 I/-</u>
<u>A63H 3 I/-</u>	2023302572	2023268011	<u>B31F 5 I/-</u>	2023271365	2023290084
2022461821	<u>B01J 37 I/-</u>	<u>B23K 28 I/-</u>	2023278488	2023275508	<u>B64C 35 I/-</u>
<u>B01D 15 I/-</u>	2023302572	2023268011	<u>B32B 27 I/-</u>	2023277760	2023290084
2023312880	<u>B01J 39 I/-</u>	<u>B23K 9 I/-</u>	2022464236	2023284150	<u>B64D 1 I/-</u>
2023315985	2023269288	2023268011	2023288301	2023299643	2023290084
<u>B01D 24 I/-</u>	<u>B01J 8 I/-</u>	<u>B25B 23 I/-</u>	2023382013	2023271365	<u>B65B 43 I/-</u>
2023308864	2023268561	2023289372	<u>B32B 29 I/-</u>	<u>B60N 2 I/-</u>	2023278488
<u>B01D 29 I/-</u>	<u>B02C 17 I/-</u>	<u>B25F 5 I/-</u>	<u>B32B 5 I/-</u>	2023267987	<u>B65C 9 I/-</u>
2022460148	2023297168	2023296082	2023283387	2023267988	2023302003
2023308864	<u>B02C 2 I/-</u>	<u>B25J 15 I/-</u>	2023288301	<u>B60R 11 I/-</u>	<u>B65D 19 I/-</u>
<u>B01D 33 I/-</u>	2023284073	2023270525	<u>B32B 7 I/-</u>	2023301696	2023298223
2023286441	<u>B03C 1 I/-</u>	<u>B25J 5 I/-</u>	2022464236	<u>B60T 13 I/-</u>	<u>B65D 21 I/-</u>
<u>B01D 39 I/-</u>	2023252062	2023283695	<u>B33Y 10 I/-</u>	2023268713	2023298223
2023308864	2023268561	<u>B27B 9 I/-</u>	2023268011	<u>B60T 17 I/-</u>	<u>B65D 25 I/-</u>
<u>B01D 53 I/-</u>	<u>B04B 5 I/-</u>	2023296082	<u>B33Y 30 I/-</u>	2023268713	2023382013
2023281081	2022466090	<u>B28C 5 I/-</u>	2023268011	<u>B60W 10 I/-</u>	<u>B65D 3 I/-</u>
2023293854	<u>B05B 15 I/-</u>	2023297849	<u>B33Y 40 I/-</u>	2023356403	2023300540
2023297168	2023306168	<u>B28C 7 I/-</u>	2023268011	<u>B60W 20 I/-</u>	2023301227
2023298470	<u>B06B 1 I/-</u>	2023297849	<u>B33Y 80 I/-</u>	2023356403	<u>B65D 41 I/-</u>
2023308864	2023308413	<u>B29C 33 I/-</u>	2023268011	<u>B61D 39 I/-</u>	2023300969
2023332398	<u>B07C 5 I/-</u>	2023315283		2023269748	
<u>B01D 67 I/-</u>	2023286441				
2023273872					

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<u>B65D 43 I/-</u>		<u>C05D 9 I/-</u>	<u>C07D 235 I/-</u>	<u>C07D 405 I/-</u>	2023300784
2023300540	<u>B66F 9 I/-</u>				<u>C07D 491 I/-</u>
2023301227	2023283695	2023301964	2023288446	2023275930	
		<u>C05G 3 I/-</u>	<u>C07D 237 I/-</u>	2023276867	2023266865
<u>B65D 47 I/-</u>	<u>B82Y 5 I/-</u>			2023277828	2023267946
2023272707	2023285014	2023301964	2023283720	2023290328	2023274003
		<u>C06B 23 I/-</u>	<u>C07D 239 I/-</u>	<u>C07D 407 I/-</u>	2023274389
<u>B65D 5 I/-</u>	<u>C01B 11 I/-</u>			2023276867	2023284958
2023304967	2023269288	2024227383	2023283720		2023296161
2023382013		<u>C07C 1 I/-</u>	2023290328	<u>C07D 409 I/-</u>	2023296682
	<u>C01B 13 I/-</u>		<u>C07D 241 I/-</u>	2023274003	<u>C07D 493 I/-</u>
<u>B65D 65 I/-</u>	2023290620	2023302572			2023274003
2023290887		<u>C07C 211 I/-</u>	2023283720	<u>C07D 413 I/-</u>	<u>C07D 495 I/-</u>
	<u>C01B 17 I/-</u>		<u>C07D 261 I/-</u>	2023267294	
<u>B65D 75 I/-</u>	2023272595	2023280622		2023267946	2023276596
2023287617		2023287533	2023274003	2023269515	2023284958
	<u>C01B 21 I/-</u>	<u>C07C 215 I/-</u>	<u>C07D 265 I/-</u>	2023269610	2023296682
<u>B65D 77 I/-</u>				2023274003	
2023269288	2023296513	2023280622	2023288469	2023275930	<u>C07D 498 I/-</u>
2023300540	2023297168	<u>C07C 217 I/-</u>	<u>C07D 271 I/-</u>	2023290328	
2023301227	<u>C01B 3 I/-</u>			2023296161	2023284418
		2023280622	2023288469	<u>C07D 417 I/-</u>	<u>C07D 513 I/-</u>
<u>B65D 79 I/-</u>	2023279736	<u>C07C 219 I/-</u>	<u>C07D 281 I/-</u>	2023267294	2023267946
	2023285686			2023267946	2023284958
2023272770	2023289186	2023284484	2023304672	2023269515	
	2023290620			2023269610	<u>C07D 519 I/-</u>
<u>B65D 81 I/-</u>	<u>C01B 32 I/-</u>	<u>C07C 241 I/-</u>	<u>C07D 285 I/-</u>	2023274003	
2023269288				2023275930	2023276596
2023382013	2023272595	2023288469	2023304672	2023283393	2023284418
	2023289337	<u>C07C 243 I/-</u>	<u>C07D 295 I/-</u>	2023290328	2023290328
<u>B65D 85 I/-</u>	<u>C01F 11 I/-</u>			2023293118	<u>C07F 9 I/-</u>
2023304967		2023288469	2023284484	2023296161	
	2023272595	<u>C07C 29 I/-</u>	<u>C07D 307 I/-</u>	<u>C07D 451 I/-</u>	2023279905
<u>B65G 1 I/-</u>	<u>C01G 23 I/-</u>			2023276596	2023283720
2023277712		2023293920	2023275930		2023291260
	2023288062	<u>C07C 31 I/-</u>	2023276867	<u>C07D 453 I/-</u>	<u>C07H 1 I/-</u>
<u>B65G 11 I/-</u>	<u>C01G 49 I/-</u>		<u>C07D 333 I/-</u>	2023296161	2023315985
2023297116		2023293920			<u>C07H 15 I/-</u>
	2023268561	<u>C07C 51 I/-</u>	2023274003	<u>C07D 471 I/-</u>	
<u>B65G 17 I/-</u>	<u>C02F 1 I/-</u>		2023283720		2023295428
2023297116		2023272595	<u>C07D 401 I/-</u>	2023267946	
	2022460148			2023271807	<u>C07H 17 I/-</u>
<u>B65G 3 I/-</u>	2023283817	<u>C07C 61 I/-</u>	2023269610	2023274003	
	2023294612		2023277630	2023275763	2023295428
2023298169		2023288469	2023283393	2023275771	
	<u>C02F 103 I/-</u>	<u>C07D 207 I/-</u>	2023284418	2023284418	<u>C07H 19 I/-</u>
<u>B65G 54 I/-</u>			2023285579	2023285579	
2023283817	2023283817	2023269610	2023290328	2023290328	2023295428
	<u>C02F 11 I/-</u>		2023292893	2023293118	<u>C07J 43 I/-</u>
2023277760		<u>C07D 209 I/-</u>	2023293118	<u>C07D 473 I/-</u>	
<u>B65G 67 I/-</u>	2022460148		2023296161		2023283956
2023298169	<u>C02F 3 I/-</u>	2023276708	2023300784	2023293118	<u>C07K 1 I/-</u>
		2023296161	<u>C07D 403 I/-</u>	<u>C07D 487 I/-</u>	
<u>B66B 13 I/-</u>		<u>C07D 215 I/-</u>		2023274003	2023315985
2023295712	2023283817		2023267294	2023274390	<u>C07K 14 I/-</u>
	2023284061	2023280622	2023267946	2023276596	
<u>B66B 19 I/-</u>	2023287599	2023283720	2023269515	2023284418	2023269782
	2023294612	2023290328	2023283393	2023284958	2023278779
2023295712	<u>C04B 14 I/-</u>	<u>C07D 221 I/-</u>	2023285579	2023293093	2023281591
			2023300784	2023293118	2023286187
<u>B66B 23 I/-</u>	2023300524			2023296682	2023287432
2023415321		2023291260		2023299635	2023287533

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2023294596		C12M 1 /-	2023282924	2023288062	D01D 5 /-
2023295521	C08G 69 /-		2023286187		
2023298151		2022466090	2023288913	C22C 1 /-	2023279180
2023300419	2023287237	2023276960	2023298002		2023281204
2023300979		2023287599	2023302564	2023298082	
2023301542	C08J 11 /-	2023293493			D01F 1 /-
2023303022		2023301124	C12P 19 /-	C22C 29 /-	
2023306306	2023293920				2023279180
	C08J 3 /-	C12M 3 /-	2023281032	2023298082	
C07K 16 /-		2023276960	2023286780	C22C 33 /-	D01F 9 /-
2023266865	2023276877				2023279180
2023267043	2023284484	C12N 1 /-	C12Q 1 /-	2023298082	2023281204
2023268051			2022464350		
2023272370	C08J 5 /-	2023283817	2022464898	C23F 13 /-	D06C 7 /-
2023274754		2023286187	2023277729		
2023280422	2022464236	2023286780	2023281637	2023285631	2023295618
2023281032	2023276877	2023296626	2023286187		
2023282399	2023312937		2023293493	C25B 1 /-	D06F 39 /-
2023285080	C08J 7 /-	C12N 15 /-	2023295658		
2023285108		2022461896	2023297801	2023290620	2023283442
2023286928	2023276877	2023267834	2023298002	2023298832	
2023287432		2023269866	2023300988	2023304144	D21H 19 /-
2023289335	C08K 5 /-	2023273809	2023337418	C25B 11 /-	2023290887
2023289687		2023274754	2024221664		
2023290314	2023312937	2023277730	2024231727	2023272859	D21H 27 /-
2023292071		2023278779		C25B 13 /-	
2023295521	C08L 1 /-	2023280422	C12R 1 /-		2023290887
2023301542		2023280661		2023272859	D21J 1 /-
2023301621	2024227383	2023282399	2023278779		
2023303022	C08L 67 /-	2023282924	2023286187	C25B 15 /-	2023301570
2023303873		2023284484	2023286780		
2023305091	2023276877	2023285014	C21B 13 /-	2023272859	D21J 3 /-
2023306306		2023285684		2023298832	
2023312911	C08L 97 /-	2023286928	2023304144	2023302583	2023296929
2023347072		2023288913			2023301570
2023347073	2023279180	2023289930	C21D 1 /-	C25B 3 /-	D21J 7 /-
2023347074		2023290314			
C07K 19 /-	C09C 1 /-	2023294596	2023298082	2023272859	2023296929
		2023298002		2023302583	2023301570
2023282399	2023279736	2023300419	C21D 6 /-		
2023285422	C09D 5 /-	2023300988		C25B 9 /-	E01F 1 /-
2023287533		2023302564	2023298082		
	2023300524	2023307100	C22B 1 /-	2023298832	2023269225
C07K 5 /-		2023315985			
	C10K 1 /-	C12N 5 /-		C25D 17 /-	E01F 9 /-
2022458001			2023267905		
	2023297168	2023269789	2023268561	2023272432	2023269225
C07K 7 /-		2023276960	C22B 23 /-	C25D 21 /-	E04B 1 /-
2023282713	C10L 1 /-	2023280422			
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C08F 2 /-	C10L 10 /-	2023291806			2023315610
		2023294596	2023268561	2023272432	
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		2023299294		C25F 3 /-	
C08F 220 /-	C11D 1 /-	2023306306	C22B 34 /-		2023300700
		2023310165		2023272432	2023332103
2023284484	2023289337	2023347074	2023288062	C25F 7 /-	E04D 1 /-
	C12C 11 /-	C12N 7 /-			
C08G 16 /-			C22B 5 /-	2023272432	2023297102
2023307271	2023296626	2023280661			
	C12C 12 /-	2023282399	2023304144	C40B 30 /-	E04G 5 /-
C08G 18 /-		C12N 9 /-	C22B 59 /-	2023293493	2023296475
	2023296626				
2023307271	C12G 1 /-	2023267834	2023288062	D01D 1 /-	E04H 1 /-
C08G 59 /-		2023269866	C22B 7 /-	2023279180	2023284474
	2023296626	2023273809		2023281204	2023315610
2023312937		2023279101	2023267905		

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	2023293477		2023289085		
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2023282945	2023293477	2023287885	2023289085	2023295618	2023272332
2023290930		<u>F16H 61 /-</u>		<u>F28F 1 /-</u>	<u>G01G 3 /-</u>
2023293148	<u>F02B 43 /-</u>	2023337284	<u>F24F 1 /-</u>	2023297167	2023272332
2023294394	2023289186		2023287885		
2023296255	<u>F02D 19 /-</u>	<u>F16K 1 /-</u>	<u>F24S 20 /-</u>	<u>F28F 13 /-</u>	<u>G01K 11 /-</u>
<u>E21B 17 /-</u>	2023289186	2023332574	2023282131	2023297167	2022458199
2023282945	<u>F02D 43 /-</u>	<u>F16L 37 /-</u>	<u>F24S 25 /-</u>	<u>F28F 9 /-</u>	<u>G01L 1 /-</u>
2023290930	2024266706	2023270525	2023282131	2023295618	2023283387
2023293148	<u>F02M 21 /-</u>	<u>F16M 11 /-</u>	2023283385	<u>F41H 1 /-</u>	<u>G01N 1 /-</u>
2023294394	2023289186	2023301696	<u>F24S 40 /-</u>	2023297822	2023277791
2023296255	<u>F03G 3 /-</u>	<u>F16M 13 /-</u>	2023282131	<u>F41H 5 /-</u>	<u>G01N 11 /-</u>
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2023284394	<u>F04B 13 /-</u>	<u>F17C 11 /-</u>	2023297167	<u>F41H 7 /-</u>	<u>G01N 15 /-</u>
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2023290930	<u>F04B 15 /-</u>	2023285686	2022483493	<u>F42B 5 /-</u>	<u>G01N 17 /-</u>
2023293148	2023312880	<u>F17C 13 /-</u>	<u>F25C 1 /-</u>	2024227383	2023285631
2023294394	<u>F04B 17 /-</u>	2023279981	2023297727	<u>F42D 1 /-</u>	<u>G01N 21 /-</u>
2023296255	2023312880	<u>F17D 1 /-</u>	<u>F25D 13 /-</u>	2023289810	2023289930
<u>E21B 3 /-</u>	<u>F04B 39 /-</u>	2023334502	2023277712	<u>G01B 11 /-</u>	2023297116
2023282945	2023287885	<u>F17D 5 /-</u>	<u>F25D 17 /-</u>	2023283387	<u>G01N 23 /-</u>
2023290930	2023332574	2022469802	2023277712	<u>G01B 7 /-</u>	2023303166
2023293148	<u>F04B 49 /-</u>	<u>F21S 8 /-</u>	<u>F25D 29 /-</u>	2023283387	2023330052
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<u>E21B 33 /-</u>	2023312880	2023285664	<u>F25J 1 /-</u>	<u>G01C 19 /-</u>	<u>G01N 29 /-</u>
2023278973	<u>F15B 11 /-</u>	<u>F21V 5 /-</u>	2023284417	2023283983	2023297849
2023286795	2023337284	2023269225	<u>F26B 23 /-</u>	2023285266	<u>G01N 30 /-</u>
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<u>E21B 34 /-</u>	2023337284	2023285664	<u>F27B 1 /-</u>	2022462922	2023290931
2023278973	<u>F16B 15 /-</u>	<u>F21W 111 /-</u>	2023304144	2022467873	<u>G01N 33 /-</u>
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2023278973	<u>F16B 2 /-</u>	2023317325	2023304144	2023297849	2023282399
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2023290200	2023296475	<u>G06V 20 /-</u>	2023278859	<u>H01H 9 /-</u>	<u>H02M 3 /-</u>
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2023290200	2023271365	<u>G06V 40 /-</u>	2023299130		2023299643
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<u>G05F 1 /-</u>	2023271365	<u>G09G 3 /-</u>		<u>H01R 11 /-</u>	2023266404
	2023283394		2023290656		<u>H03G 9 /-</u>
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B60L 5/00 (2006.01)
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B60L 58/12 (2019.01)
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H02J 3/14 (2006.01)
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A61K 31/495 (2006.01)
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A61K 47/64 (2017.01)
A61P 25/08 (2006.01)
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G06F 21/00 (2013.01)
G06F 17/10 (2006.01)
G06F 40/00 (2020.01)
G06N 3/02 (2006.01)
G06N 20/00 (2019.01)
G06Q 10/00 (2012.01)
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E06B 7/096 (2006.01)
E04F 10/10 (2006.01)
E05D 15/18 (2006.01)
E05D 15/24 (2006.01)

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B01D 53/14 (2006.01)
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C01F 5/24 (2006.01)

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B03C 1/30 (2006.01)
C07K 14/785 (2006.01)

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C07K 16/00 (2006.01)
C12N 5/00 (2006.01)
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C05G 3/40 (2020.01)
C05G 3/50 (2020.01)
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G02B 27/01 (2006.01)
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G06F 3/14 (2006.01)
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H04L 67/14 (2022.01)
H04N 21/2187 (2011.01)
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H04N 21/8547 (2011.01)
G06Q 10/06 (2012.01)
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C07K 14/08 (2006.01)
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C07D 487/10 (2006.01)
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G01B 5/00 (2006.01)
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G06T 7/521 (2017.01)
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F04B 39/06 (2006.01)
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F04C 29/00 (2006.01)
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Degradation Comprising Same
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C07C 237/20 (2006.01)
A61K 31/165 (2006.01)
A61K 31/336 (2006.01)
A61K 31/4155 (2006.01)
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G06N 3/02 (2006.01)
G06T 7/11 (2017.01)
G06T 11/00 (2006.01)
G06V 10/25 (2022.01)
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A61N 1/05 (2006.01)
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H04W 56/00 (2009.01)
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F16F 1/10 (2006.01)
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F16G 11/04 (2006.01)
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B01D 53/04 (2006.01)
B01J 20/22 (2006.01)
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B26D 1/157 (2006.01)
B21D 17/04 (2006.01)
B23D 21/00 (2006.01)
B23D 21/04 (2006.01)
B23D 21/08 (2006.01)
B26D 3/16 (2006.01)
B26D 7/00 (2006.01)
B26D 7/06 (2006.01)
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G01F 1/84 (2006.01)
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C07K 14/705 (2006.01)
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G01B 9/02 (2022.01)
G01N 21/64 (2006.01)
G06T 7/00 (2017.01)
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F26B 3/04 (2006.01)
E04B 1/70 (2006.01)
F24H 3/04 (2022.01)
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A47K 5/12 (2006.01)
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(51) Int. Cl.
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B33Y 30/00 (2015.01)
B29C 64/129 (2017.01)
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B33Y 50/02 (2015.01)
G03F 7/20 (2006.01)
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G08B 1/08 (2006.01)
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G08B 29/16 (2006.01)
A45F 5/00 (2006.01)
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C08K 3/22 (2006.01)
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A46B 15/00 (2006.01)
A61C 9/00 (2006.01)
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A61C 17/028 (2006.01)
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G05F 1/14 (2006.01)
H01F 29/04 (2006.01)
H02J 3/18 (2006.01)
H02M 5/12 (2006.01)
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A61K 31/365 (2006.01)
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A61K 31/416 (2006.01)
A61K 31/4545 (2006.01)
A61K 31/496 (2006.01)
A61K 31/5377 (2006.01)
A61P 35/00 (2006.01)
A61P 35/02 (2006.01)
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C07D 405/06 (2006.01)
C07D 405/10 (2006.01)
C07D 405/14 (2006.01)
C07D 491/10 (2006.01)
C07D 498/08 (2006.01)

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(51) Int. Cl.

B65D 83/00 (2006.01)
A45D 40/06 (2006.01)

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(51) Int. Cl.

H04L 25/02 (2006.01)
H04L 5/00 (2006.01)
H04L 27/26 (2006.01)
H04W 56/00 (2009.01)
H04W 72/04 (2023.01)

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C09K 8/524 (2006.01)
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F24S 23/71 (2018.01)
F24S 30/425 (2018.01)
H01L 31/054 (2014.01)

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(51) Int. Cl.

H02J 3/38 (2006.01)
H02J 3/32 (2006.01)

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(51) Int. Cl.

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B25J 9/16 (2006.01)
B25J 13/00 (2006.01)
E02F 9/00 (2006.01)
G05B 19/418 (2006.01)

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A61J 7/00 (2006.01)

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(54) Operating room coating applicator and method

(51) Int. Cl.

A61L 17/14 (2006.01)
A61L 17/00 (2006.01)
A61L 29/08 (2006.01)
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C08G 77/20 (2006.01)
C09D 183/04 (2006.01)

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H01H 31/04 (2006.01)
H01H 31/08 (2006.01)
H01H 31/28 (2006.01)
H01H 31/30 (2006.01)
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G05B 23/02 (2006.01)
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B05C 5/02 (2006.01)
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B21G 5/00 (2006.01)
C23C 2/26 (2006.01)
C23C 4/02 (2006.01)
C23C 4/073 (2016.01)
C23C 4/08 (2016.01)
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C23C 4/18 (2006.01)
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A61P 31/04 (2006.01)
A61P 31/12 (2006.01)
A61P 35/00 (2006.01)
C12N 15/20 (2006.01)
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A01H 1/04 (2006.01)

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C01G 23/00 (2006.01)
C09C 1/36 (2006.01)
C09C 3/08 (2006.01)
C09D 7/61 (2018.01)
C09D 11/037 (2014.01)
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G06F 21/57 (2013.01)
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H04W 4/50 (2018.01)
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G01D 3/024 (2006.01)
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B32B 1/00 (2006.01)

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G01M 7/00 (2006.01)
G06F 11/07 (2006.01)
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A61B 17/02 (2006.01)
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G05D 1/622 (2024.01)
B66C 23/88 (2006.01)
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G05D 1/639 (2024.01)
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E21D 1/06 (2006.01)

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G01V 1/38 (2006.01)
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(74) Davies Collison Cave Pty Ltd

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H01R 31/06 (2006.01)
H01R 13/04 (2006.01)
H01R 13/15 (2006.01)
H01R 13/26 (2006.01)
H01R 13/40 (2006.01)
H01R 13/52 (2006.01)
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A61K 47/50 (2017.01)
A61K 47/54 (2017.01)

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G09F 3/10 (2006.01)
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E01D 2/00 (2006.01)
E01D 15/12 (2006.01)
E01D 101/10 (2006.01)
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(44) 02.01.2025
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(72) ROBINSON, Peter
(74) Allens Patent & Trade Mark Attorneys

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(54) HIGH-HARDNESS ARMORED STEEL HAVING EXCELLENT LOW-TEMPERATURE IMPACT TOUGHNESS, AND MANUFACTURING METHOD THEREFOR
(51) Int. Cl.
C22C 38/58 (2006.01)
C21D 8/02 (2006.01)
C21D 9/46 (2006.01)
C22C 38/44 (2006.01)
C22C 38/48 (2006.01)
C22C 38/54 (2006.01)
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(72) YU, Seng-Ho; CHO, Nam-Young
(74) Griffith Hack

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(54) HIGH HARDNESS ARMORED STEEL HAVING EXCELLENT LOW-TEMPERATURE IMPACT TOUGHNESS, AND

MANUFACTURING METHOD THEREFOR
(51) Int. Cl.
C22C 38/58 (2006.01)
C21D 8/02 (2006.01)
C21D 9/46 (2006.01)
C22C 38/44 (2006.01)
C22C 38/48 (2006.01)
C22C 38/54 (2006.01)
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A61K 31/352 (2006.01)
A61P 25/00 (2006.01)
A61P 25/08 (2006.01)
A61P 25/16 (2006.01)
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A01B 69/00 (2006.01)
A01B 79/00 (2006.01)
H01Q 1/12 (2006.01)
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A01C 5/06 (2006.01)

A01B 15/08 (2006.01)
A01B 79/00 (2006.01)
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(54) SYSTEM AND PROCESS FOR ANTHRAQUINONE FUNCTIONALIZATION
(51) Int. Cl.
C07C 51/377 (2006.01)
C07C 46/00 (2006.01)
C07C 59/90 (2006.01)
C25B 1/04 (2021.01)
C25B 3/07 (2021.01)
C25B 3/23 (2021.01)
C25B 3/25 (2021.01)
C25B 3/29 (2021.01)
H01M 8/18 (2006.01)
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(51) Int. Cl.
G02B 6/44 (2006.01)
G02B 6/00 (2006.01)
G02B 6/24 (2006.01)
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(74) Davies Collison Cave Pty Ltd

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(51) Int. Cl.
G02B 6/44 (2006.01)
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(71) PTC Therapeutics, Inc.
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C07D 487/04 (2006.01)
A61K 31/4985 (2006.01)
A61K 31/5025 (2006.01)
A61P 25/00 (2006.01)
A61P 25/14 (2006.01)
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C07D 491/04 (2006.01)
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C07H 1/00 (2006.01)
C07H 15/256 (2006.01)
C12P 19/56 (2006.01)

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H02K 7/00 (2006.01)
H02G 3/00 (2006.01)

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(54) DOOR FOR REFRIGERATOR AND REFRIGERATOR

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F25D 23/02 (2006.01)
F25D 11/00 (2006.01)
F25D 27/00 (2006.01)

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(54) COMPOSITE CUSHIONING SYSTEM

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A47C 27/15 (2006.01)
A47C 23/04 (2006.01)
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H04L 1/16 (2006.01)
H04L 1/18 (2006.01)
H04L 5/00 (2006.01)

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(54) Optical coupler and waveguide system

(51) Int. Cl.
G01N 21/25 (2006.01)
G01N 21/64 (2006.01)
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(54) Aerosol delivery device

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A24F 40/00 (2020.01)

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(54) METHOD FOR THE PRODUCTION OF BIOMASS

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A01G 17/00 (2006.01)
A01G 23/00 (2006.01)

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(72) RAMOS FERNANDEZ, Antonio

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H01F 29/14 (2006.01)
H01F 3/14 (2006.01)
H02M 3/00 (2006.01)
H02M 5/00 (2006.01)

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H01P 1/23 (2006.01)
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(71) Red Elephant Limited
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A47C 17/86 (2006.01)
A47C 19/02 (2006.01)
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G16B 5/20 (2019.01)
G16B 30/10 (2019.01)
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F02B 43/12 (2006.01)
F02B 43/10 (2006.01)
F02D 19/02 (2006.01)
F02D 19/08 (2006.01)
F02D 35/00 (2006.01)
F02D 41/14 (2006.01)
F02M 21/02 (2006.01)
F02M 25/00 (2006.01)
F02M 26/00 (2016.01)
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(43) 16.11.2023
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F16H 48/08 (2006.01)
B60K 17/16 (2006.01)
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F16H 48/32 (2012.01)
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A61L 27/24 (2006.01)
A61K 38/39 (2006.01)
C12N 5/07 (2010.01)
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A23L 33/18 (2016.01)
A23L 33/28 (2016.01)
A61K 38/39 (2006.01)
A61P 3/10 (2006.01)
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C09D 7/00 (2018.01)
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(51) Int. Cl.
B08B 9/032 (2006.01)
A61B 1/005 (2006.01)
A61B 10/04 (2006.01)
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B08B 3/04 (2006.01)
B08B 9/023 (2006.01)
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B63B 35/38 (2006.01)
E02B 3/06 (2006.01)
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(72) SAFIER, Elchanan
(74) AJ PARK

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A61F 5/451 (2006.01)
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(54) VIDEO DECODING METHOD AND APPARATUS, AND VIDEO ENCODING METHOD AND APPARATUS
(51) Int. Cl.
H04N 19/117 (2014.01)

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H04N 19/186 (2014.01)
H04N 19/86 (2014.01)
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(62) 2020309443
(72) Woongil Choi; Minsoo Park; Minwoo Park; Seungsoo Jeong; Kiho Choi; Narae Choi; Anish Tamse; Yinji Piao
(74) PHILLIPS ORMONDE FITZPATRICK
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A61M 5/24 (2006.01)
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(31) 18305975.7 **(32)** 18.07.18 **(33)** EP
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(51) Int. Cl.
G06F 16/20 (2019.01)
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(31) 16/215,276 **(32)** 10.12.18 **(33)** US
(43) 25.06.2020
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(11) AU-B-2021398765
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H01M 8/0204 (2016.01)
H01M 8/0228 (2016.01)
H01M 8/0258 (2016.01)
H01M 8/10 (2016.01)
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G07C 9/00 (2020.01)
E05B 7/00 (2006.01)
G08B 13/19 (2006.01)
G08B 19/00 (2006.01)
H05B 47/11 (2020.01)
H05B 47/13 (2020.01)
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C07K 1/10 (2006.01)
A61K 47/50 (2017.01)
C07K 19/00 (2006.01)
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F21V 23/00 (2015.01)
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F41G 1/38 (2006.01)
G02B 23/10 (2006.01)
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E04H 4/16 (2006.01)

A47L 9/28 (2006.01)

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H02S 20/32 (2014.01)

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A61P 29/00 (2006.01)

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F03D 7/02 (2006.01)

F03D 7/04 (2006.01)

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H02P 9/00 (2006.01)

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H04L 41/00 (2022.01)

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 CHEMICAL CORPORATION

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 sply Sirona Inc.

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G02B 27/00 (2006.01)

G02B 5/04 (2006.01)

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 TERMINING WHETHER A DONGLE
 IS IN SPATIAL PROXIMITY TO A
 VEHICLE DIAGNOSTIC TOOL

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G07C 5/00 (2006.01)

G01R 31/00 (2006.01)

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G06F 21/62 (2013.01)

H04W 4/12 (2009.01)

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A61K 31/07 (2006.01)
A61K 31/198 (2006.01)
A61K 31/202 (2006.01)
A61K 31/70 (2006.01)
A61P 35/00 (2006.01)
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H04R 3/00 (2006.01)
G10L 15/20 (2006.01)
G10L 21/0208 (2013.01)
H04R 27/00 (2006.01)
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B01D 69/02 (2006.01)
C12N 1/02 (2006.01)
C12Q 1/06 (2006.01)
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A61N 1/36 (2006.01)
A61N 1/04 (2006.01)
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B28B 7/02 (2006.01)
B65G 5/00 (2006.01)
E01C 11/22 (2006.01)
E02B 13/00 (2006.01)
E04B 1/04 (2006.01)
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F17C 3/00 (2006.01)
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A61B 90/00 (2016.01)
B05C 17/01 (2006.01)
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A61P 5/48 (2006.01)
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A61P 37/06 (2006.01)
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B63H 1/20 (2006.01)
B64C 11/20 (2006.01)
B64C 11/48 (2006.01)
B63H 1/14 (2006.01)
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B01D 21/01 (2006.01)
B01D 21/28 (2006.01)
C02F 1/52 (2006.01)
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(54) Method for recovering valuable metal
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B09B 3/00 (2022.01)
C22B 7/00 (2006.01)
C22B 9/20 (2006.01)
C22B 15/00 (2006.01)
C22B 23/02 (2006.01)
F27D 11/04 (2006.01)
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H01M 10/54 (2006.01)
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B66C 13/48 (2006.01)
G06Q 50/08 (2012.01)
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C08L 7/00 (2006.01)
A63B 39/00 (2006.01)
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A23L 33/135 (2016.01)
A23C 19/055 (2006.01)
A23C 20/00 (2006.01)
A23C 20/02 (2021.01)
A23L 2/38 (2021.01)
A23L 25/00 (2016.01)
A23L 29/206 (2016.01)
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A61K 31/7056 (2006.01)
A61K 45/06 (2006.01)
A61P 31/22 (2006.01)
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C12N 15/47 (2006.01)
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C08J 5/04 (2006.01)
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C25B 1/26 (2006.01)
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C07C 51/41 (2006.01)
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H01L 31/068 (2012.01)
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F04B 39/12 (2006.01)

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2018328757	Roberts, A.; Roberts, D.	2019258597	Omnibus 157 Pty Limited
2018336126	Tropic Biosciences UK Limited	2019261763	The Boeing Company
2018338728	Voyager Therapeutics, Inc.; INSERM (Institut National de la Santé et de la Recherche Médicale); Centre national de la recherche scientifique (CNRS); Université de Strasbourg	2019263638	Universite de Bordeaux; Centre Hospitalier Universitaire de Bordeaux; Fondation Bordeaux Université; Institut National de la Sante et de la Recherche Medicale - Inserm
2018348547	Heerema Marine Contractors Nederland SE	2019265869	Dronus S.p.A.; Ballerini, M.
2018360615	Advanced Design Innovations Pty Ltd	2019266299	Nucor Corporation
2018360620	Murdoch Childrens Research Institute	2019268169	The Boeing Company
2018360868	Tricida, Inc.	2019268410	CSL Limited
2018368520	Debiopharm Research & Manufacturing S.A.	2019270977	RoosterBio, Inc.
2018369760	The University of North Carolina at Chapel Hill	2019272038	Sumitomo Rubber Industries, Ltd.
2018371751	Valmont Industries, Inc.	2019273122	WIP Innovations Pty Ltd
2018373026	The Regents of the University of California	2019273567	Osaka University
2018375412	Seagen Inc.	2019274203	NorthSea Therapeutics B.V.; BASF AS
2018375695	Aramis Biotechnologies Inc.	2019275262	Medivators Inc.
2018380960	Chr. Hansen HMO GmbH	2019277373	O'MALLEY, E.
2018401993	Ten Haaft, M.; Ten Haaft, A.	2019278900	Gaia USA, Inc.
2018412560	C.R. Bard, Inc.	2019279102	Mobophiles, Inc., DBA Mobolize
2018414280	Kirin Holdings Kabushiki Kaisha	2019279904	SAP SE
2018439635	Next2Me, LLC	2019279912	THALES
2018439638	Kimberly-Clark Worldwide, Inc.	2019286572	Laboratorios Farmacéuticos Rovi, S.A.
2018449340	PerkinElmer Health Sciences, Inc.	2019287444	S. C. Johnson & Son, Inc.
2019201371	LEE, J.; CHAI, H.C.L.	2019289885	Tape Weaving Sweden AB
2019201549	VeriFone, Inc.	2019290531	Baxter International Inc.; Baxter Healthcare SA
2019202948	DePuy Ireland Unlimited Company	2019290959	Koninklijke Philips N.V.
2019204267	Mayo Hardware Pty Ltd	2019290961	BASF Agro B.V.
2019204747	GN Hearing A/S	2019291668	Vault Security Systems AG
2019205774	University of Utah Research Foundation	2019293477	Exokinetics, Inc.
2019206546	Illinois Tool Works Inc.	2019293588	K&N Engineering, Inc.; Fiello, J.
2019206569	BWAY Corporation	2019294474	Basilea Pharmaceutica International AG, Allschwil
2019210606	Frank's International, LLC	2019295458	Forescout Technologies, Inc.
2019211028	Fisher & Paykel Healthcare Limited	2019304135	Medherant Ltd
2019217668	Prati, Donaduzzi & Cia Ltda; Universidade de São Paulo	2019305154	Valagro S.p.A.
2019218477	Matisa Materiel Industriel S.A.	2019306018	Sanofi
2019222129	Bohnet, H.	2019310013	Biohaven Therapeutics Ltd.
2019223094	Ava Food Labs, Inc.	2019310018	Chugh, S.
2019226117	Wanzl GmbH & Co. KGaA	2019312670	Araxes Pharma LLC
2019227845	Australian National University	2019312681	Trustees of Boston University
2019228507	Applied Medical Resources Corporation	2019312719	Ledlenser GmbH & Co. KG
2019231330	Margin-Clear Pty Ltd	2019315833	XR Reserve LLC
2019232834	TopVu Ltd.	2019319729	Ab Initio Technology LLC
2019233463	Teijin Limited	2019321073	Jalcos Holdings Inc.
2019235530	McDermott Laboratories Limited	2019323550	Eaton Intelligent Power Limited
2019237196	Abiomed Europe GmbH	2019324489	Paul Hartmann AG
2019237991	Liao, X.	2019329433	Avent, Inc.
2019239953	Abraxis BioScience, LLC	2019332093	BASF SE
2019240561	The Boeing Company	2019338207	Mirati Therapeutics, Inc.
2019240659	Everi Payments Inc.	2019338483	Zenith Epigenetics Ltd.
2019242604	Pfizer Ireland Pharmaceuticals	2019340366	Mirati Therapeutics, Inc.
2019243547	Morris, C.	2019340387	The Regents of The University of California; University College Dublin
2019243670	Fisher & Paykel Healthcare Limited	2019340409	Becton, Dickinson and Company
2019243714	Airway Therapeutics, Inc.	2019342130	Vdyne Inc.
		2019343150	CareFusion 303, Inc.

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2019343296	Fermentationexperts A/S	2020222084	Nexter Systems
2019343767	Artec Europe S.A.R.L.	2020222877	Qualcomm Incorporated
2019346436	Evoqua Water Technologies LLC	2020226845	Lightcast Discovery Ltd
2019347871	Allegiance Corporation	2020228128	Limacorporate S.p.A.; New York Society for the relief of the ruptured and crippled, maintaining the hospital for special surgery
2019350380	Schreder S.A.		
2019351811	Celgene Corporation	2020228618	Helius Medical, Inc
2019352632	Krajancich, J.	2020229827	Becton, Dickinson and Company
2019356807	Tosoh Corporation	2020230069	NTC S.r.L.
2019358536	Crossject	2020230344	Clover Network, LLC
2019359801	Amgen Inc.	2020232164	Owens-Brockway Glass Container Inc.
2019359884	Generac Power Systems, Inc.	2020232893	Owens-Brockway Glass Container Inc.
2019360540	Safier Ingenierie	2020235220	Dentsply Sirona Inc.; Sirona Dental Systems GmbH
2019362278	Saban Ventures Pty Limited	2020235820	Lohmann & Rauscher GmbH
2019367623	Cristaldi, T.	2020239363	EsoCap AG
2019369000	I4F Licensing NV	2020245902	Amplia Therapeutics Limited
2019372111	Energy Solutions (US) LLC	2020247813	Becton, Dickinson and Company
2019375072	VALCHEDOR CASK S.L.	2020253443	Becton, Dickinson and Company
2019377219	Universiteit Gent; Allnex Belgium SA.	2020256313	Red Elephant Limited
2019377791	The Clorox Company	2020257179	Genesys Cloud Services, Inc.
2019380497	Société des Produits Nestlé S.A.	2020259217	Snap Inc.
2019382990	RAI Strategic Holdings, Inc.	2020260025	Social Media Emotions S.r.l.; Nigro, F.
2019384540	Edwards Lifesciences Corporation	2020262316	AMO Ireland
2019385698	BIPA NV	2020262381	Atlas Copco Airpower, Naamloze Vennootschap
2019388862	Becton, Dickinson and Company	2020264808	Clexio Biosciences Ltd.
2019389030	PureCircle USA Inc.	2020269369	CareFusion 303, Inc.
2019390722	Ethicon, Inc.	2020270825	CareFusion 303, Inc.
2019391604	Commonwealth Scientific and Industrial Research Organisation	2020271496	Boston Scientific Scimed, Inc.
		2020298556	ConocoPhillips Company
2019394080	Solta Medical Ireland Limited	2020300532	Vermeer Manufacturing Company
2019395831	Kverneland Group Kerteminde A/S	2020303706	CareFusion 303, Inc.
2019396352	ESCO Group LLC	2020307228	Signagelive Limited
2019396739	Alcon Inc.	2020358108	ConocoPhillips Company
2019397179	Stormtrap LLC	2020370590	Phitonex, Inc.
2019397600	Master Sinkers (Pty) Ltd	2020402865	JPMorgan Chase Bank, N.A.
2019400839	Intervet International B.V.	2020413218	NanoDX, Inc.
2019402975	CareFusion 303, Inc.	2020418423	Berenson Consulting Group Inc.
2019403400	ARRIS Enterprises LLC	2020422716	Raytheon Company
2019405936	Sonos, Inc.	2020423609	Precision Planting LLC
2019408014	PGS Geophysical AS	2020464487	Shanghai Smartee Denti-Technology Co., Ltd.
2019410931	Frant, M.	2020479791	Genevoyager (Wuhan) Co., Ltd.
2019418526	Bluebeam, Inc.	2021210975	Burndy, LLC
2019418810	Itron, Inc.	2021212068	Neumedicines, Inc.
2019419450	Apollo Neuroscience, Inc.	2021218244	Adobe Inc.
2019420618	Johnson & Johnson Consumer Inc.	2021247977	CJ CheilJedang Corporation
2019421383	Chevron U.S.A. Inc.; The Regents of the University of California	2021248628	Origin Tech Ltd
		2021268661	Church & Dwight Co., Inc.
2019426400	Koenig & Bauer Banknote Solutions SA	2021269207	Nexter Systems
2019434728	General Mills, Inc.	2021270839	MedImmune Limited
2019439465	Instrumentation Laboratory Company	2021272639	Kill-Frech, C.
2019444320	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2021274490	Park, Y.N.
		2021301647	Kabushiki Kaisha Toyota Jidoshokki
2019456070	Halliburton Energy Services, Inc.	2021301953	Institute of Biophysics, Chinese Academy of Sciences
2019457396	Halliburton Energy Services, Inc.	2021311179	Sumitomo Metal Mining Co., Ltd.
2019471599	Suez International	2021314961	Inventio AG
2020200330	Covidien LP	2021315086	CASCINATION AG
2020203518	NovAtel Inc.	2021315608	Unigen, Inc.
2020205729	Huawei Technologies Co., Ltd.	2021318157	Battelle Memorial Institute
2020206399	Sichuan Jiuzhang Biological Science And Technology Co., Ltd.	2021321068	LG Chem, Ltd.
		2021325352	Ferton Holding S.A.
2020206541	Sharp Kabushiki Kaisha; FG Innovation Company Limited	2021327765	Regeneron Pharmaceuticals, Inc.
		2021332078	OMNICELL, INC.
2020208327	Caterpillar SARL	2021333768	Insulet Corporation
2020208610	Hocking, G.	2021335170	SUPERBREWED FOOD, INC.
2020209408	one2many B.V.	2021335818	LG ELECTRONICS INC.
2020210698	BASF SE	2021335999	LG ELECTRONICS INC.
2020211605	AMVAC Hong Kong Limited	2021340604	CHANGCHUN GENESCENCE PHARMACEUTICAL CO., LTD.
2020212955	Monsanto Technology LLC		
2020213670	Manneschi, A.	2021349780	INFRAVISION HOLDINGS PTY LTD
2020214098	Coloplast A/S	2021351756	CRRC Qiqihar Rolling Stock Co., Ltd.
2020215680	Tesla, Inc.	2021357231	Welltec Manufacturing Center Completions ApS
2020217747	Board of Regents, The University of Texas System		
2020221058	Viasat Inc.		

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2021359535	CHINA PETROLEUM & CHEMICAL CORPORATION; SINOPEC CHONGQING SVW CHEMICAL CO., LTD.	2022266017	NUOVO PIGNONE TECNOLOGIE - S.R.L.
2021365356	INVENTIO AG	2022266481	ELECTRONICS AND TELECOMMUNICATIONS RE- SEARCH INSTITUTE
2021366092	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2022266862	CHONGQING HAIER REFRIGERATION ELECTRIC APPLIANCE CO., LTD.; QINGDAO HAIER REFRIGER- ATOR CO., LTD; HAIER SMART HOME CO., LTD.
2021377810	GENENTECH, INC.	2022267599	HUAWEI TECHNOLOGIES CO., LTD.
2021379747	PLATINUM PRESS, INC.	2022268300	iKamper Co., Ltd.
2021382058	BOSTON SCIENTIFIC NEUROMODULATION COR- PORATION	2022268503	CINDERELLA TECHNOLOGY AS
2021385576	PADDLEMOVER LLC	2022275438	Blue River Technology Inc.
2021386713	SUMITOMO MITSUI CONSTRUCTION CO., LTD.	2022275446	University of Belgrade - Faculty of Pharmacy; UWM Re- search Foundation, Inc.; Centre for Addiction and Men- tal Health
2021387518	CJ CHEILJEDANG CORPORATION	2022275457	Spark Biomedical, Inc.
2021391424	TECHTRONIC CORDLESS GP	2022276988	ANYGEN CO., LTD.
2021398765	SCHAEFFLER TECHNOLOGIES AG & CO. KG	2022277881	ENPHASE ENERGY, INC.
2021399197	DYSON TECHNOLOGY LIMITED	2022278073	HUBEI SAILUO BIOLOGICAL MATERIAL CO., LTD
2021401505	POSCO CO., LTD	2022279386	Autotac Inc.
2021401506	POSCO CO., LTD	2022282345	BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC.
2021401908	CONOCOPHILLIPS COMPANY	2022283731	Apple Inc.
2021406395	HERAEUS DEUTSCHLAND GMBH & CO. KG	2022285060	BASF COATINGS GMBH
2021406732	ZMAG, LTD.	2022285707	CRRC QIQIHAR ROLLING STOCK CO., LTD.
2021411963	TPE MIDSTREAM LLC	2022287611	Fisher & Paykel Healthcare Limited
2021412906	Medela Holding AG	2022287639	Komatsu Ltd.
2021416514	AMERICAN STERILIZER COMPANY	2022291445	Dolby International AB
2021417544	PARK, M.K.	2022291465	Fisher & Paykel Healthcare Limited
2021418938	MICRO MOTION, INC.	2022291529	WANG, H.
2021420276	ALIGNED GENETICS, INC.	2022291650	Corex Plastics (Australia) Pty Ltd
2021423388	JGC Corporation	2022295033	SIEMENS GAMESA RENEWABLE ENERGY INNOVA- TION & TECHNOLOGY S.L.
2021423930	CI, Q.	2022298452	WING AVIATION LLC
2021428797	IHI CORPORATION	2022298468	PRESIDENT AND FELLOWS OF HARVARD COL- LEGE; QUINO ENERGY, INC.
2021431987	INSTITUTE OF CROP SCIENCES, CHINESE ACADEMY OF AGRICULTURAL SCIENCES	2022300617	IHI CORPORATION
2021435434	HANGZHOU UNITED TOOLS CO., LTD.; HANGZHOU GREAT STAR INDUSTRIAL CO., LTD.	2022301046	THE JACKSON LABORATORY; THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
2021436642	ABB SCHWEIZ AG	2022303321	LAZER ADDS, LLC
2021438150	QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	2022303333	NEW YORK AIR BRAKE, LLC
2021442565	SHENZHEN PROFOUND VIEW PHARMACEUTICAL TECHNOLOGY CO., LTD.	2022308316	THYSENKRUPP NUCERA AG & CO. KGAA
2021443106	WANG, L.	2022308647	EVOLOH, INC.
2021444699	CONEX IPR LIMITED	2022309198	NORLED AS
2021449655	TAROKO DOOR & WINDOW TECHNOLOGIES, INC.	2022309358	Itron Global SARL
2021453742	I-SENS, INC.	2022312126	FRONIUS INTERNATIONAL GMBH
2021457986	DEEPPURE INC.	2022317053	10X GENOMICS, INC.
2021469672	ABB SCHWEIZ AG	2022327054	RAYTHEON COMPANY
2022200168	MacroGenics, Inc.	2022330029	DUKE UNIVERSITY
2022201204	Amgen Inc.	2022338850	SNAP-ON INCORPORATED
2022202315	Cibus Europe B.V.; Cibus US LLC	2022343658	BOSTON SCIENTIFIC NEUROMODULATION COR- PORATION
2022202713	C3J Therapeutics, Inc.	2022359013	DEB IP LIMITED
2022203937	The Scripps Research Institute	2022365091	LINGONG HEAVY MACHINERY CO., LTD.
2022203968	Illumina, Inc.	2022377223	DAMAE MEDICAL
2022204498	Joy Global Underground Mining LLC	2022377625	SOUTHWEST RESEARCH INSTITUTE
2022204728	BlueScope Steel Limited	2022378270	LG CHEM, LTD.
2022209692	COLGATE-PALMOLIVE COMPANY	2022390093	BOSTON SCIENTIFIC SCIMED INC.
2022211381	HENDRICKSON USA, L.L.C.	2022395001	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2022214490	NOVARTIS AG	2022396539	SHOALS TECHNOLOGIES GROUP, LLC
2022214854	KOMATSU LTD.	2022401564	CRRC QIQIHAR ROLLING STOCK CO., LTD.
2022221572	Applied Medical Resources Corporation	2022418710	MAYEKAWA MFG. CO., LTD.
2022222166	NUOVO PIGNONE TECNOLOGIE - S.R.L.	2022424722	TONGWEI SOLAR (MEISHAN) CO., LTD.
2022226205	XUZHOU HEAVY MACHINERY CO., LTD.	2022451101	HEALTH AND HAPPINESS (H&H) HONG KONG LIM- ITED
2022231290	SIEMENS GAMESA RENEWABLE ENERGY A/S	2022468688	ALPHA ESS CO., LTD.
2022231478	TOA CORPORATION; JAPAN AGENCY FOR MAR- INE-EARTH SCIENCE AND TECHNOLOGY	2023200532	Kobegosei Co.,Ltd.
2022246432	APT R&D PTY LTD	2023200565	ChemoCentryx, Inc.
2022246435	BackBeat Medical, LLC	2023200624	Globeride, Inc.
2022254515	CARMAT	2023200860	Quantum-Si Incorporated
2022256184	Ball Corporation	2023201140	Nat Diagnostics, Inc.
2022258954	BAKER HUGHES OILFIELD OPERATIONS LLC	2023201252	Hubbell Incorporated
2022259819	Catalyst OrthoScience Inc.	2023201357	Zhejiang Aiko Solar Energy Technology Co., Ltd.
2022259826	Takeda Vaccines, Inc.	2023201430	Agency for Science, Technology and Research
2022259846	Hemanext Inc.		
2022263457	PNG Forest Products Limited		
2022263491	DBK David + Baader GmbH		
2022263577	Monsanto Technology LLC		

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2023201671	University of Canberra	2024220190	Asynagro Company Limited
2023201774	MFTB Holdco, Inc.	2024227650	VYPEX PTY LTD
2023201874	Terra Quantum AG		
2023201898	Instrumentation Laboratory Company		
2023202239	Illinois Tool Works Inc.		
2023202334	Carbon Technology Holdings, LLC		
2023202508	Juul Labs, Inc.		
2023202829	Terra Quantum AG		
2023202909	Shenzhen Aiper Intelligent Co., Ltd.		
2023202963	Tritana Intellectual Property Ltd.		
2023202972	Globeride, Inc.		
2023203053	MILWAUKEE ELECTRIC TOOL CORPORATION		
2023203200	Apple Inc.		
2023203241	PTC Therapeutics, Inc.		
2023203295	DEKA Products Limited Partnership		
2023203523	Apple Inc.		
2023203565	Utilidata, Inc.		
2023203596	Sage Products, LLC		
2023203640	Tencent America LLC		
2023203735	Clinicomp International, Inc.		
2023204118	Eisai R&D Management Co., Ltd.		
2023204650	Tencent America LLC		
2023206185	Société des Produits Nestlé S.A.		
2023210549	Kuchimanchi, V.S.S.S.; Kuchimanchi, V.		
2023210611	HUNAN WULING POWER TECHNOLOGY CO., LTD.; WULING POWER CORPORATION LTD.		
2023210633	Qingdao Economic And Technological Development Zone Haier Water Heater Co., Ltd; Haier Smart Home Co., Ltd.		
2023214276	Avid Technology Inc.		
2023216747	PHIHONG TECHNOLOGY CO., LTD.		
2023216769	TAYA CANVAS (SHANGHAI) COMPANY LTD		
2023216978	BLUE ECONOMY CRC CO		
2023222982	Taro Pharmaceutical Industries Ltd.		
2023233186	Canva Pty Ltd		
2023237191	Ascendis Pharma A/S		
2023241280	White Swell Medical Ltd		
2023242934	BAKER HUGHES OILFIELD OPERATIONS LLC		
2023248156	Vergesense, Inc.		
2023251385	Angel Group Co., Ltd.		
2023254871	REM Technology Inc.		
2023261847	ELC MANAGEMENT LLC		
2023264711	RAMOS FERNANDEZ, A.		
2023264796	TOKAMAK ENERGY LTD		
2023270333	Technological Resources Pty. Limited		
2023270341	Samsung Electronics Co., Ltd.		
2023270628	TIANJIN JIKUN MEDICAL TECHNOLOGY CO., LTD.		
2023273992	ACOUSIA THERAPEUTICS GMBH		
2023279850	ROUSSELOT BV		
2023282287	Biscayne Neurotherapeutics, Inc.		
2023282316	K2M, Inc.		
2023285890	Siemens Medical Solutions USA, Inc.		
2023387759	QINGDAO YOU MENG HOME FURNISHING TECHNO- LOGY CO. LTD.		
2023387760	INSPUR GENERSOFT CO., LTD.		
2023412019	SUBMERSED TECHNOLOGIES PP2 AB		
2024200017	Schlage Lock Company LLC		
2024200185	CareFusion 303, Inc.		
2024201854	Hangzhou BIBAU Biotechnology Co., Ltd.; Beijing Forestry University		
2024203116	BrainChip, Inc.		
2024203693	SHANGHAI DIMAIHE BIOTECHNOLOGY CO., LTD.		
2024204521	Ishihara Sangyo Kaisha, Ltd.		
2024204640	Jhunjhunwala, S.		
2024204849	SELC Ireland Ltd.		
2024204865	Trina Solar Co., Ltd.		
2024205596	VERSUNI HOLDING B.V.		
2024212956	HANNA, J.N.		
2024219475	Doggin Safe Pty Ltd		
2024219569	VERSUNI HOLDING B.V.		
2024219779	Appell, T.		
2024220084	Lavery, W.; Soden, M.		

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<u>A01B 15 I/-</u>	<u>A01K 87 I/-</u>	<u>A23F 5 I/-</u>	<u>A41H 3 I/-</u>	<u>A47L 9 I/-</u>	2019243547
2020423609	2023202972	2019380497	2019367623	2023202909	<u>A61C 7 I/-</u>
<u>A01B 63 I/-</u>	<u>A01K 89 I/-</u>	<u>A23G 1 I/-</u>	<u>A43B 5 I/-</u>	<u>A61B 1 I/-</u>	2020464487
2019395831	2023200624	2019434728	2019277373	2019275262	<u>A61C 9 I/-</u>
<u>A01B 69 I/-</u>	<u>A01N 25 I/-</u>	<u>A23G 3 I/-</u>	<u>A44C 15 I/-</u>	2019362278	2020229827
2019248847	2019250617	2022451101	2024220084	2022209692	<u>A61F 13 I/-</u>
2022275438	2019377791	<u>A23K 10 I/-</u>	<u>A44C 9 I/-</u>	<u>A61B 10 I/-</u>	2019324489
<u>A01B 79 I/-</u>	2020211605	2019343296	2024220084	2019362278	<u>A61F 2 I/-</u>
2019248847	<u>A01N 37 I/-</u>	<u>A23L 2 I/-</u>	<u>A45D 40 I/-</u>	2020239363	2019202948
2020423609	2019385698	2019278900	2023261847	2021274490	2019342130
2022275438	<u>A01N 43 I/-</u>	2021335170	<u>A45F 5 I/-</u>	<u>A61B 13 I/-</u>	2019384540
<u>A01C 5 I/-</u>	2019250617	2022451101	2024219475	2021274490	2020228128
2020423609	2019290961	<u>A23L 25 I/-</u>	<u>A46B 15 I/-</u>	<u>A61B 17 I/-</u>	2020262316
<u>A01D 34 I/-</u>	<u>A01N 59 I/-</u>	2021335170	2021399197	2019228507	2022246435
2019359884	2019377791	<u>A23L 27 I/-</u>	<u>A47C 17 I/-</u>	2019252424	2022259819
<u>A01D 41 I/-</u>	<u>A01N 63 I/-</u>	2021387518	2020256313	2019362278	2023282316
2023202963	2019305154	<u>A23L 29 I/-</u>	<u>A47C 19 I/-</u>	2019410931	<u>A61F 5 I/-</u>
<u>A01D 43 I/-</u>	2020212955	2019380497	2020256313	2020200330	2020214098
2019395831	<u>A01N 65 I/-</u>	2021335170	<u>A47C 23 I/-</u>	2022221572	2023203596
<u>A01D 57 I/-</u>	2019305154	2021387518	2023387759	2023241280	<u>A61F 7 I/-</u>
2019395831	<u>A01P 13 I/-</u>	<u>A23L 3 I/-</u>	<u>A47C 27 I/-</u>	2023282316	2019247659
<u>A01D 75 I/-</u>	2019290961	2023210549	2023387759	<u>A61B 18 I/-</u>	<u>A61F 9 I/-</u>
2019395831	<u>A01P 3 I/-</u>	<u>A23L 33 I/-</u>	<u>A47J 27 I/-</u>	2019228507	2019205774
<u>A01F 12 I/-</u>	2019385698	2018380960	2024205596	2019394080	2019396739
2023202963	<u>A01P 5 I/-</u>	2018414280	2024219569	2021457986	2020262316
<u>A01G 17 I/-</u>	2019250617	2019343296	<u>A47J 36 I/-</u>	<u>A61B 34 I/-</u>	<u>A61G 12 I/-</u>
2023264711	<u>A01P 7 I/-</u>	2022276988	2024205596	2021315086	2021416514
<u>A01G 23 I/-</u>	2019250617	2022451101	<u>A47J 37 I/-</u>	<u>A61B 5 I/-</u>	<u>A61G 5 I/-</u>
2023264711	<u>A22C 17 I/-</u>	2023279850	2022268503	2019258597	2019293477
<u>A01H 1 I/-</u>	2022418710	<u>A23L 7 I/-</u>	2019204267	2019263638	<u>A61G 7 I/-</u>
2021431987	<u>A22C 21 I/-</u>	2021387518	2024219569	2019290959	2019293477
<u>A01H 5 I/-</u>	2022418710	<u>A23P 10 I/-</u>	<u>A47K 11 I/-</u>	2020208610	<u>A61J 1 I/-</u>
2018375695	<u>A23C 11 I/-</u>	2018380960	2022359013	2020229827	2019290531
2021431987	2019380497	<u>A23P 30 I/-</u>	<u>A47L 11 I/-</u>	2020239363	2019358536
2022263577	<u>A23C 19 I/-</u>	2018380960	2021391424	2021274490	<u>A61J 15 I/-</u>
<u>A01H 9 I/-</u>	2019380497	<u>A24F 40 I/-</u>	2023202909	2021416514	2019329433
2022202315	<u>A23C 20 I/-</u>	2019382990	<u>A47K 5 I/-</u>	<u>A61C 15 I/-</u>	<u>A61J 3 I/-</u>
<u>A01K 63 I/-</u>	2021335170	<u>A24F 47 I/-</u>	<u>A47L 9 I/-</u>	2021399197	2020230069
2022291529	2019380497	<u>A41D 13 I/-</u>	<u>A61C 3 I/-</u>	2021399197	<u>A61J 7 I/-</u>
	2021274490				2020239363
					2020303706
					<u>A61K 31 I/-</u>
					2018315052

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2018336126	2021301953	<u>A61L 17 /-</u>	2019358536	2023203241	<u>A62B 9 /-</u>
2018360868	2021423930		2019359801		
2018369760	2022276988	2019390722	2019388862	<u>A61P 27 /-</u>	2021443106
2018414280	2023279850		2019402975		
2018439635		<u>A61L 2 /-</u>	2020229827	2021340604	<u>A62C 3 /-</u>
2019217668	<u>A61K 39 /-</u>		2020247813	2023201671	
2019237991		2019377791	2020253443		2021417544
2019239953	2017366674		2020269369	<u>A61P 29 /-</u>	<u>A62D 1 /-</u>
2019242604	2017371070	<u>A61L 27 /-</u>	2020418423		
2019274203	2017373889		2021333768	2019274203	
2019286572	2018205401	2019270977	2021453742	2020206399	2021417544
2019294474	2018211081	2022378270	2023237191	2021321068	
2019310013	2018226857	<u>A61L 29 /-</u>	2024200185	<u>A61P 3 /-</u>	<u>A63B 39 /-</u>
2019312670	2018256867				2019272038
2019312681	2018280869	2019390722	<u>A61M 60 /-</u>	2019201371	<u>A63B 55 /-</u>
2019338207	2018375695			2019274203	
2019338483	2019239953	<u>A61L 31 /-</u>	2019237196	2022279386	
2019340366	2020217747		2022254515	2023279850	2018401993
2019351811	2021270839	2019390722	2022390093		
2019420618	2021301953	2022278073		<u>A61P 31 /-</u>	<u>A63B 69 /-</u>
2020206399	2021377810		<u>A61N 1 /-</u>		2019258597
2020245902	2022200168	<u>A61M 1 /-</u>		2018375695	
2020264808	2023270628		2019419450	2019201371	<u>A63F 11 /-</u>
2021315608		2020235820	2020228618	2019294474	
2021321068	<u>A61K 45 /-</u>	2021412906	2021315086	2021301953	2023251385
2021340604		2022259846	2021318157	2021315608	
2021377810	2022395001	2023241280	2021382058	2022276988	<u>B01D 15 /-</u>
2022214490		<u>A61M 15 /-</u>	2021457986	2022395001	
2022275446	<u>A61K 47 /-</u>		2022246435		2019356807
2022279386		2021443106	2022275457	<u>A61P 35 /-</u>	<u>B01D 21 /-</u>
2022395001	2018368520		2022343658		
2023200565	2018375412	<u>A61M 16 /-</u>		2018205401	2019471599
2023201671	2019239953		<u>A61N 5 /-</u>	2018280869	
2023203241	2019286572	2019211028		2018368520	<u>B01D 29 /-</u>
2023204118	2020217747	2019243670	2019231330	2019201371	
2023206185	2020370590	2022287611	2019273122	2019231330	2022291529
2023222982	2021423930	2022291465	<u>A61P 1 /-</u>	2019239953	
2023270628	2021442565			2019312670	<u>B01D 33 /-</u>
2023273992	2022276988	<u>A61M 21 /-</u>	2017306303	2019312681	
2023282287	2022279386		2019274203	2020245902	2022291529
2024203693	2023282287	2019419450	2022451101	2021212068	
	<u>A61K 48 /-</u>	<u>A61M 25 /-</u>	<u>A61P 11 /-</u>	2021301953	<u>B01D 36 /-</u>
<u>A61K 33 /-</u>				2021377810	
	2018336126	2018412560	2021270839	2022279386	2022291529
2019205774	2018338728	2019245242		2023204118	<u>B01D 53 /-</u>
2021442565		2019249800	<u>A61P 13 /-</u>	2023206185	
	<u>A61K 51 /-</u>	2019263638		2023270628	
<u>A61K 35 /-</u>		2019340409	2021270839		2019391604
	2019231330	2019388862		<u>A61P 37 /-</u>	2020262381
2017306303	2019340387	2020247813	<u>A61P 17 /-</u>		2020358108
2018360620		2022291465		2017366674	2023201430
2019310018	<u>A61K 8 /-</u>	2023241280	2020264808	2018226857	2023242934
2022259846		<u>A61M 29 /-</u>	2021270839	2018315052	
	2018265439		2023222982	2018375695	<u>B01D 69 /-</u>
<u>A61K 36 /-</u>	2021325352	2021443106	2024203693	2019268410	
			<u>A61P 19 /-</u>		2019346436
2018265439	<u>A61K 9 /-</u>	<u>A61M 39 /-</u>		<u>A61P 5 /-</u>	2022377625
2018414280			2021321068	2018315052	<u>B01D 71 /-</u>
2019201371	2019239953	2019340409	2021423930	2021340604	
2021315608	2019286572	2019402975			2019346436
2022451101	2019304135	2020269369	<u>A61P 25 /-</u>	<u>A61P 7 /-</u>	
	2019310018	2020270825			<u>B01F 23 /-</u>
<u>A61K 38 /-</u>	2020206399	2022254515	2018414280	2022259846	
	2020217747	2024200185	2019217668		2019278900
2017366674	2020230069		2019239953	<u>A61Q 11 /-</u>	
2018256867	2020264808	2019235530	2019242604		<u>B01J 20 /-</u>
2018315052	2021321068	2019249800	2019310013	2021325352	
2019243714	2021340604	2019306018	2020206399		2019391604
2019268410	2022214490	2019329433	2021442565	<u>A61Q 19 /-</u>	2020358108
2019270977	2023273992		2022275446		2023202334
2019310018	2023282287		2022279386	2018265439	
2020217747					
2021212068					

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<u>B01L 3 /-</u>		<u>B33Y 70 /-</u>	2022268300	<u>B63B 32 /-</u>	
2020226845	<u>B23P 5 /-</u>	2019377219	<u>B60R 1 /-</u>	2024219779	<u>B66C 13 /-</u>
2021420276	2019315833				2021386713
<u>B03C 1 /-</u>	<u>B23Q 3 /-</u>	<u>B33Y 80 /-</u>	2022214854	<u>B63B 35 /-</u>	2022226205
2019243714	2019347871	2019377219	<u>B60T 13 /-</u>	2019360540	<u>B66C 23 /-</u>
		2020232893			2021301647
<u>B03D 1 /-</u>	<u>B25B 11 /-</u>	<u>B41J 3 /-</u>	2020208327	<u>B63B 39 /-</u>	2022226205
			2022303333	2023270333	2022309198
2019332093	2019347871	2020232893	<u>B60T 15 /-</u>		2022365091
<u>B05C 17 /-</u>	<u>B25B 5 /-</u>	<u>B41M 5 /-</u>	2022303333	<u>B63H 1 /-</u>	<u>B66F 11 /-</u>
2019252424	2019347871	2020232893	<u>B60T 17 /-</u>	2023412019	2022365091
<u>B05C 5 /-</u>	<u>B25H 1 /-</u>	<u>B41M 7 /-</u>	2022303333	<u>B64C 11 /-</u>	<u>B66F 9 /-</u>
2023202239	2021435434	2020232893	<u>B60T 8 /-</u>	2023412019	2021301647
<u>B05C 9 /-</u>	<u>B25J 13 /-</u>	<u>B42D 25 /-</u>	2020208327	<u>B64C 39 /-</u>	<u>B82Y 10 /-</u>
2023202239	2019396352	2019426400	<u>B60W 50 /-</u>	2019265869	2023201874
		2020210698		2021349780	
<u>B05D 1 /-</u>	<u>B25J 9 /-</u>	<u>B60B 27 /-</u>	2019293588	<u>B64F 1 /-</u>	<u>C01B 21 /-</u>
2019390722	2019396352		<u>B61D 7 /-</u>	2019265869	2021423388
<u>B05D 3 /-</u>	<u>B26D 1 /-</u>	2022211381			
2019390722	2021444699	<u>B60B 7 /-</u>	2022401564	<u>B65C 3 /-</u>	<u>C01B 3 /-</u>
		2022211381	<u>B61F 1 /-</u>	2019232834	2021423388
<u>B08B 3 /-</u>	<u>B26D 3 /-</u>	<u>B60C 23 /-</u>	2021351756	<u>B65C 7 /-</u>	<u>C01B 32 /-</u>
2019362278	2021444699	2022211381	<u>B61G 3 /-</u>	2019232834	2023201430
<u>B08B 9 /-</u>	<u>B26D 7 /-</u>	<u>B60C 7 /-</u>	2022285707	<u>B65D 1 /-</u>	<u>C01C 1 /-</u>
2019362278	2021444699	2019321073	<u>B61L 15 /-</u>	2022256184	2021423388
<u>B09B 3 /-</u>	<u>B28B 7 /-</u>	<u>B60D 1 /-</u>	2019218477	<u>B65D 43 /-</u>	<u>C01F 5 /-</u>
2021311179	2019397179		<u>B61L 23 /-</u>	2019206569	2023201430
<u>B21B 1 /-</u>	<u>B29C 64 /-</u>	2022285707		<u>B65D 5 /-</u>	<u>C01G 23 /-</u>
2019266299	2020232893	<u>B60K 17 /-</u>	2019218477	2018439638	2024204521
	2020235220	2018328757	<u>B62B 3 /-</u>		
<u>B21B 37 /-</u>	<u>B29C 65 /-</u>	<u>B60K 23 /-</u>	2019226117	<u>B65D 75 /-</u>	<u>C01G 49 /-</u>
2019266299	2019343150	2018328757	<u>B62B 5 /-</u>	2020230069	2022330029
<u>B21D 17 /-</u>	<u>B29C 70 /-</u>	<u>B60L 5 /-</u>	2019226117	<u>B65D 81 /-</u>	<u>C02F 1 /-</u>
2021444699	2019261763	2021436642	<u>B62K 13 /-</u>	2020230069	2019471599
<u>B21D 22 /-</u>	<u>B32B 1 /-</u>	<u>B60L 58 /-</u>	2018401993	<u>B65D 83 /-</u>	<u>C03C 25 /-</u>
2022256184	2019321073	2021436642	<u>B62K 15 /-</u>	2023261847	2023242934
<u>B21G 3 /-</u>	<u>B33Y 10 /-</u>	<u>B60M 7 /-</u>	2018401993	<u>B65G 45 /-</u>	<u>C05G 1 /-</u>
2023202239	2019377219	2021436642	<u>B62K 3 /-</u>	2021272639	2020211605
<u>B21G 5 /-</u>	2020232893		2018401993	<u>B65G 5 /-</u>	<u>C05G 3 /-</u>
2023202239	<u>B33Y 30 /-</u>	<u>B60N 2 /-</u>	<u>B62M 3 /-</u>	2019397179	2020211605
<u>B22D 11 /-</u>	2020235220	2019240561	2019277373	<u>B65H 75 /-</u>	<u>C05G 5 /-</u>
2019266299	<u>B33Y 50 /-</u>	<u>B60P 1 /-</u>	<u>B63B 27 /-</u>	2023200624	2020211605
<u>B23D 21 /-</u>	2020235220	2022287639		<u>B66B 1 /-</u>	<u>C07C 15 /-</u>
2021444699		<u>B60P 3 /-</u>	2022309198		2023200565
				2021365356	

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<u>C07C 237 /-</u>	<u>C07D 487 /-</u>	<u>C07K 19 /-</u>	2024204521	<u>C12M 3 /-</u>	<u>C12R 1 /-</u>
2022279386	2019237991	2018375412	<u>C09C 3 /-</u>	2023203295	2020479791
<u>C07C 46 /-</u>	2019312670	2019268410	2024204521	<u>C12N 1 /-</u>	2021247977
2022298468	2023203241	<u>C07K 5 /-</u>	<u>C09D 11 /-</u>	2021247977	2023210549
<u>C07C 51 /-</u>	<u>C07D 491 /-</u>	2024201854	2024204521	2022377625	<u>C21D 8 /-</u>
2022298468	2023203241	<u>C08F 210 /-</u>	<u>C09D 183 /-</u>	<u>C12N 15 /-</u>	2021401505
2023270628	2023204118	2021359535	2019390722	2018336126	2021401506
<u>C07C 57 /-</u>	<u>C07D 493 /-</u>	<u>C08F 218 /-</u>	<u>C09D 201 /-</u>	2018338728	<u>C21D 9 /-</u>
2023270628	2023270628	2021359535	2024204521	2018369760	2021401505
<u>C07C 59 /-</u>	<u>C07D 495 /-</u>	<u>C08F 226 /-</u>	<u>C09D 5 /-</u>	2018373026	2021401506
2022298468	<u>C07D 498 /-</u>	2021359535	2020210698	2018375695	<u>C22B 15 /-</u>
<u>C07D 205 /-</u>	2023203241	2018360868	<u>C09D 7 /-</u>	2020212955	2021311179
2019237991	<u>C07D 519 /-</u>	<u>C08F 8 /-</u>	2019287444	2020479791	<u>C22B 23 /-</u>
<u>C07D 207 /-</u>	2023203241	2018360868	2024204521	2021247977	2021311179
2023222982	<u>C07F 15 /-</u>	<u>C08G 18 /-</u>	<u>C09J 11 /-</u>	2021301953	<u>C22B 7 /-</u>
<u>C07D 209 /-</u>	2019390722	2019304135	2019343150	2021431987	2021311179
2019237991	<u>C07H 1 /-</u>	2019377219	<u>C09J 175 /-</u>	2022202315	<u>C22B 9 /-</u>
<u>C07D 221 /-</u>	2018380960	<u>C08G 59 /-</u>	2019304135	2022202713	2021311179
2019237991	2019389030	<u>C08G 73 /-</u>	<u>C09J 5 /-</u>	2022259826	<u>C22B 7 /-</u>
<u>C07D 261 /-</u>	<u>C07H 15 /-</u>	2018369760	2019343150	2022263577	2021311179
2019400839	2019389030	<u>C08G 77 /-</u>	<u>C09K 8 /-</u>	<u>C12N 5 /-</u>	<u>C22B 9 /-</u>
2024220190	<u>C07H 3 /-</u>	2019390722	2019372111	2018360620	2021311179
<u>C07D 263 /-</u>	2018380960	<u>C08G 83 /-</u>	<u>C10G 45 /-</u>	2018375695	<u>C22C 38 /-</u>
2022279386	<u>C07K 1 /-</u>	2018369760	2021401908	2019270977	2021401505
<u>C07D 277 /-</u>	2018375412	<u>C08J 5 /-</u>	<u>C10G 7 /-</u>	2019273567	2021401506
2019310013	<u>C07K 14 /-</u>	2019233463	2021401908	2022202315	<u>C23C 16 /-</u>
<u>C07D 313 /-</u>	2018226857	2019289885	<u>C10G 75 /-</u>	2022202713	2019315833
2023204118	2018338728	2019343150	2021401908	2022263577	2022424722
<u>C07D 401 /-</u>	2018375695	<u>C08K 3 /-</u>	<u>C11D 17 /-</u>	<u>C12N 9 /-</u>	<u>C23C 2 /-</u>
2019242604	2019268410	2021359535	2023200532	2018373026	2023202239
2019294474	2020212955	2022330029	<u>C11D 7 /-</u>	2021247977	<u>C23C 4 /-</u>
2020245902	2021431987	<u>C08K 5 /-</u>	2023200532	2022202315	<u>C23G 5 /-</u>
<u>C07D 405 /-</u>	<u>C07K 16 /-</u>	2021359535	<u>C12G 3 /-</u>	2022202713	2023200532
2022279386	2017371070	<u>C08L 29 /-</u>	2019223094	<u>C12P 19 /-</u>	<u>C25B 1 /-</u>
2023204118	2017373889	2021359535	2019375072	2019389030	2021406395
<u>C07D 413 /-</u>	2018205401	<u>C08L 7 /-</u>	<u>C12H 1 /-</u>	<u>C12P 21 /-</u>	2022266017
2019338483	2018211081	2019272038	2019375072	2018375695	2022298468
2019351811	2018280869	<u>C08L 9 /-</u>	<u>C12M 1 /-</u>	2019243848	2022308316
2024220190	2018375695	2019272038	2019343296	2021247977	2022308647
<u>C07D 471 /-</u>	2019243848	<u>C09C 1 /-</u>	2023203295	<u>C12Q 1 /-</u>	<u>C25B 11 /-</u>
2019242604	2019351811			2018296673	2021406395
2019338483	2021270839			2018373026	2022308647
	2021377810			2019273567	<u>C25B 3 /-</u>
	2022200168			2019439465	2022298468
	2022201204			2021431987	<u>C25B 9 /-</u>
				2022203968	2021406395
				2022317053	
				2022377625	
				2023201140	

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2022308316	2019397179	<u>E21B 33 /-</u>	2019352632	<u>F04D 25 /-</u>	<u>F23C 1 /-</u>
2022308647	2022263491				
<u>C25D 3 /-</u>	<u>E04D 13 /-</u>	2019457396	<u>F02B 43 /-</u>	2022266017	2021428797
		2021357231			
2023202239	2022204728	2022258954	2023254871	<u>F16B 13 /-</u>	<u>F23D 17 /-</u>
<u>C25D 7 /-</u>	<u>E04F 10 /-</u>	<u>E21B 34 /-</u>	<u>F02D 13 /-</u>	2019206546	2021428797
2023202239	2018360615	2022258954	2019352632	<u>F16D 49 /-</u>	<u>F23J 7 /-</u>
<u>D03D 13 /-</u>	<u>E04F 13 /-</u>	<u>E21B 43 /-</u>	<u>F02D 19 /-</u>	2021416514	2021428797
2024204640	2019369000	2019456070	2023254871	<u>F16F 1 /-</u>	<u>F24C 15 /-</u>
<u>D03D 15 /-</u>	<u>E04F 15 /-</u>	2022231478	<u>F02D 35 /-</u>	2019268169	2024205596
		<u>E21B 47 /-</u>		2023216978	
2024204640	2019369000	2020298556	2023254871	<u>F16F 13 /-</u>	<u>F24C 7 /-</u>
<u>D06F 37 /-</u>	<u>E04H 15 /-</u>	<u>E21B 7 /-</u>	<u>F02D 41 /-</u>		2024205596
2021335999	2022268300	2019397600	2023254871	<u>F16F 15 /-</u>	<u>F24H 3 /-</u>
<u>D06F 58 /-</u>	<u>E04H 4 /-</u>	2020300532	<u>F02M 21 /-</u>		2022263491
		<u>E21C 25 /-</u>		2019268169	<u>F24H 9 /-</u>
2021335818	2023202909		2023254871	<u>F16F 7 /-</u>	
2021335999	<u>E05B 7 /-</u>	2022204498	<u>F02M 25 /-</u>		2022263491
<u>D06N 3 /-</u>		<u>E21C 27 /-</u>	2023254871	2018371751	<u>F24S 23 /-</u>
	2024200017		<u>F02M 26 /-</u>	2019268169	
2023216769	<u>E05D 13 /-</u>	2022204498		<u>F16G 11 /-</u>	2019254038
<u>E01B 27 /-</u>		<u>E21C 35 /-</u>	2023254871	2021210975	<u>F24S 30 /-</u>
	2021449655		<u>F03B 13 /-</u>	<u>F16G 13 /-</u>	2019254038
2019218477	<u>E05D 15 /-</u>	2022204498			
<u>E01B 35 /-</u>		<u>E21C 50 /-</u>	2023210611	2021449655	<u>F25D 11 /-</u>
	2018360615		<u>F03D 13 /-</u>	<u>F16H 48 /-</u>	2021438150
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			<u>F03D 7 /-</u>	<u>F16H 53 /-</u>	
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	<u>E06B 7 /-</u>		<u>F03G 7 /-</u>	<u>F16L 1 /-</u>	<u>F25D 27 /-</u>
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<u>E02B 13 /-</u>		<u>F01D 25 /-</u>	2020262381		2022263491
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			2021411963	2018371751	<u>F27D 27 /-</u>
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<u>F42B 39 /-</u>	2022377223	<u>G01V 8 /-</u>	2019279904	<u>G06Q 20 /-</u>	2024200017
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2020298556	<u>G01S 13 /-</u>	2023203565	<u>G06F 7 /-</u>	2022214854	2021327765
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<u>G01G 19 /-</u>	<u>G01S 5 /-</u>	2023210611	2023203735	<u>G07C 5 /-</u>	<u>G16B 50 /-</u>
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<u>G16Y 20 /-</u>	2019279912	2022282345	<u>H04M 1 /-</u>	2020206541
2020215680		2024219475	2019204267	2022266481
<u>H01B 7 /-</u>	<u>H01R 13 /-</u>	<u>H04B 10 /-</u>	2020260025	<u>H04W 74 /-</u>
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	2023216747	2023202829	2023203640	<u>H04W 76 /-</u>
<u>H01F 29 /-</u>	<u>H01R 31 /-</u>	<u>H04B 7 /-</u>	2023204650	2021366092
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<u>H01F 3 /-</u>	<u>H01R 4 /-</u>	<u>H04H 20 /-</u>	2019403400	2019279102
2020422716	2021210975	2022303321	2022246432	<u>H05B 47 /-</u>
<u>H01F 6 /-</u>	<u>H01S 3 /-</u>	<u>H04H 60 /-</u>	<u>H04N 7 /-</u>	2019350380
2023264796	2019257598	2022303321	2022214854	2024200017
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<u>H01H 1 /-</u>	<u>H02G 3 /-</u>	<u>H04K 3 /-</u>	<u>H04R 27 /-</u>	
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<u>H01H 31 /-</u>	<u>H02J 13 /-</u>	<u>H04L 1 /-</u>	<u>H04R 3 /-</u>	
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<u>H01H 33 /-</u>	<u>H02J 3 /-</u>	2020222877	<u>H04S 3 /-</u>	
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<u>H01H 9 /-</u>	2021469672	2022266481	<u>H04W 12 /-</u>	
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	<u>H02J 7 /-</u>	<u>H04L 41 /-</u>	<u>H04W 24 /-</u>	
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<u>H01M 50 /-</u>	<u>H02M 3 /-</u>	<u>H04L 65 /-</u>	2023203523	
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Certified Innovation Patents**Name Index**

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

(71) eiChat Pty Ltd
(11) AU-B-2019101805
(21) 2019101805 (22) 09.10.2019
(54) Method and system for providing chat-bots within instant messaging applications
(51) Int. Cl.
G06N 3/006 (2023.01)
G06F 40/20 (2020.01)
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G06N 5/022 (2023.01)
H04L 12/18 (2006.01)
H04L 51/02 (2022.01)
H04L 51/046 (2022.01)
H04L 51/10 (2022.01)
H04M 1/7243 (2021.01)
(31) 2018903809 (32) 09.10.18 (33) AU
(45) 02.01.2025
(72) HUILGOL, Ravi
(74) K&L Gates

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Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Withdrawn

2018328052 **Pharmacosmos Holding A/s** (Serumwerk Bernburg AG)

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Standard Patents

2017248731	2017258105	2017261357	2017268469
2017277600	2017299175	2017301901	2017305345
2017311698	2017319728	2017321973	2017325654
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2022224788	2022224802	2022224813	2022227000
2022228156	2022231270	2022231648	2022233521
2022235541	2022235610	2022236196	2022239128
2022239445	2022240495	2022241483	2022241488
2022241621	2022242728	2022246375	2022246416
2022248319	2022252126	2022252703	2022252717
2022252766	2022253023	2022256105	2022256221
2022259711	2022259742	2022259754	2022259781
2022259795	2022263899	2022266145	2022268290
2022269593	2022271478	2022271487	2022274992
2022275440	2022275525	2022277464	2022278592
2022279412	2022279462	2022279481	2022279541
2022280352	2022282086	2022283612	2022283645
2022283687	2022286875	2022291419	2022291450
2022291599	2022291616	2022298331	2022316872
2022330414	2022341084	2022358639	2022368366
2022371178	2022375265	2022388574	2022399952
2022402347	2022432980	2023200030	2023200046
2023200051	2023200071	2023200080	2023200199
2023200209	2023200225	2023200226	2023200244
2023200611	2023200623	2023200734	2023200778
2023200900	2023200930	2023200957	2023200972
2023201172	2023201291	2023201410	2023201447
2023201482	2023201519	2023201605	2023201837
2023201911	2023201982	2023202206	2023202350
2023202492	2023202586	2023202635	2023202724
2023202763	2023202841	2023202876	2023202920
2023202928	2023203099	2023203328	2023203329
2023203409	2023203468	2023203562	2023203659
2023203737	2023203770	2023203937	2023204248
2023204284	2023204352	2023204416	2023204652
2023206139	2023206145	2023206188	2023210669
2023210876	2023212966	2023214233	2023216841
2023216876	2023219247	2023222985	2023226748
2023241343	2023251401	2023261894	2023274186
2023285981	2023304118	2023374723	2024200500
2024201019	2024201731	2024201863	2024201887
2024202906	2024203002	2024203216	2024203222
2024203260	2024203515	2024203609	2024203694
2024204180	2024204440	2024205229	2024205652

Innovation Patents

2018102260 2024100043

Assignments Registered

2007214339 Jindex Pty Limited The patent has been assigned to **Metso Sweden AB**

2012203161 Brooker Holdings Pty Ltd The patent has been assigned to **Brookers Engineering Australia Pty Ltd**

2013212538 Zedelef Pty Ltd The patent has been assigned to **PhoenixZ Pty Ltd**

Assignments Registered

2016318342 Jindex Pty Limited The patent has been assigned to **Metso Sweden AB**

2016348218 Redmayne, John Michael The patent has been assigned to **Hokowhitu IP Limited**

2017203950 Kirkby, Allyn The patent has been assigned to **SWP Australia PTY Ltd**

2018255621 Fochon Pharmaceuticals, Ltd. The patent has been assigned to **Fochon Pharmaceuticals, Ltd.; Shanghai Fosun Pharmaceutical Industrial Development Co., Ltd.**

2019200595 Ember Technologies, Inc. The patent has been assigned to **YETI Coolers, LLC**

2019352954 Biovisics Medical, Inc. The patent has been assigned to **i-Lumen Scientific, Inc.**

2019391397 Lipicare Life Sciences Ltd. The patent has been assigned to **CHEMIPAL GLOBAL ENTREPRENEURSHIP LTD**

2020339071 Unifer Invest GmbH The patent has been assigned to **UniferX International GmbH**

2021261857 Redmayne, John Michael The patent has been assigned to **Hokowhitu IP Limited**

2022203948 Fochon Pharmaceuticals, Ltd. The patent has been assigned to **Fochon Pharmaceuticals, Ltd.; Shanghai Fosun Pharmaceutical Industrial Development Co., Ltd.**

Licences Registered - Section 187, Reg. 19

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

2017404592 Heriot-Watt University (Aliaxis UK Limited)

2017404592 Heriot-Watt University (Aliaxis Nederland B.V.)

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.

2015274482 **RA Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 20 Aug 2024

For the goods ZILBRYSQ zilucoplan (as tetrasodium)

2019200828 **RA Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 20 Aug 2024

For the goods ZILBRYSQ zilucoplan (as tetrasodium)

2021204313 **RA Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 20 Aug 2024

For the goods ZILBRYSQ zilucoplan (as tetrasodium)

Applications Accepted

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

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

2004308494 **Genentech, Inc.**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Accepted

The earliest first regulatory approval date provided by the patentee 29 May 2024

For the goods EBGLYSS lebrilizumab

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

2013400609 **BeiGene Switzerland GmbH**

The earliest first regulatory approval date provided by the patentee 30 May 2024

For the goods TEVIMBRA tislelizumab

Address for service : Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2020201069 **BeiGene Switzerland GmbH**

The earliest first regulatory approval date provided by the patentee 30 May 2024

For the goods TEVIMBRA tislelizumab

Address for service : Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

Extensions granted

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

2022200291 **Lobsor Pharmaceuticals Aktiebolag**

The earliest first regulatory approval date provided by the patentee 01 Sep 2023

For the goods LECIGON levodopa

Extension of Term of patent pursuant to Section 77 expires on 01 Sep 2038

Corrigenda

In Vol 35 , No 11 , Page(s) 1794 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name PerkinElmer Health Sciences, Inc., Application No. 2019318214, under INID (72) correct the co-inventor to Aikens, David

In Vol 58 , No 50 , Page(s) 7222 under the heading **Amendments - Application for Amendments** Under the name Mubea Carbo Tech GmbH, Patent Application No. 2015367411 correct the date of the statements filed to read 19 Mar 2024, 6 Aug 2024 and 18 Sep 2024

Specifications Republished

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

2019300410 **Hydromecanique et frottement**

2023299562 **BP P.L.C.; BP (CHINA) HOLDINGS LIMITED**

PATENTS ACT 1990 (CTH)**Advertisement pursuant to rule 34.41 of the Federal Court Rules 2011 (FCR)****FCR 34.41 (1) (a) – IDENTITY OF PROCEEDINGS**

Court: Federal Court of Australia
New South Wales Registry
Proceeding No. NSD 1134 of 2024

Parties: Janssen Biotech, Inc.
(**First Applicant**)
Janssen-Cilag Pty Ltd
(**Second Applicant**)

and

Samsung Bioepis AU Pty Ltd
(**Respondent**)

FCR 34.41 (1) (b) – PARTICULARS OF PROPOSED AMENDMENT

Janssen Biotech, Inc., the registered proprietor of Australian Innovation Patent Nos. 2024100006 (**AU 006**), 2024100007 (**AU 007**) and 2024100016 (**AU 016**) and the First Applicant in the above proceeding, will seek an order under section 105(1) of the *Patents Act 1990* (Cth) directing the amendment of the claims of AU 006, AU 007 and AU 016 as follows (and as shown in mark-up in Annexure 1):

1. Claim 1 – Janssen seeks to insert the words “*for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment*” after the words “*by week 52 of the treatment*”.
2. Claim 2 – Janssen seeks to insert the words “*for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment*” after the words “*by week 52 of the treatment*”.

FCR 34.41 (1) (c) – JANSSEN’S ADDRESS FOR SERVICE

Davies Collison Cave Law
Level 4, 7 Macquarie Place
SYDNEY NSW 2000

Attention: Paul Dewar (PDewar@dcc.com)
Ashley Cameron (ACameron@dcc.com)

FCR 34.41 (1) (d) – OPPOSITION

Any person intending to oppose the application who is not a party to the proceeding must, within 28 days after publication of this advertisement, give written notice of that intention to each of the Commissioner of Patents, the Applicants (Janssen Biotech, Inc. and Janssen-Cilag Pty Ltd) and the Respondent (Samsung Bioepis AU Pty Ltd).

Annexure 1**AU 006 – MARKED-UP****CLAIMS**

1. Use of an anti-IL-12/IL-23p40 antibody in the manufacture of a medicament for treating a human subject with moderately to severely active ulcerative colitis (UC) so as to achieve a clinical response together with a low risk of an immunogenic response,

wherein the anti-IL-12/IL-23p40 antibody comprises a heavy chain amino acid sequence of SEQ ID NO:10 and a light chain amino acid sequence of SEQ ID NO:11,

wherein treating the subject comprises the steps of:

- (i) administering the anti-IL-12/IL-23p40 antibody intravenously to the subject at week 0 of the treatment, at a dosage of about 6.0 mg/kg body weight of the subject or 130 mg, 260 mg, 390 mg or 520 mg per administration;
- (ii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject at week 8 of the treatment, at a dosage of about 90 mg per administration; and
- (iii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject in a maintenance dose every 8 weeks after the treatment at week 8 or every 12 weeks after the treatment at week 8,

wherein a low risk of an immunogenic response means that greater than 90% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment,

wherein clinical response means a decrease from baseline in the Mayo score by $\geq 30\%$ and ≥ 3 points and a decrease from baseline in the rectal bleeding subscore ≥ 1 points or a rectal bleeding subscore of 0 or 1,

wherein the double antigen enzyme immunoassay is an electrochemiluminescence immunoassay (ECLIA), in which the anti-IL-12/IL-23p40 antibody is used as a capture antibody and a detection antibody, wherein the detection antibody comprises a ruthenium(II) tris-bipyridine N-hydroxysuccinimide label, and

wherein the medicament is to be administered in either step (i) or, alternatively, step (ii) and/or step (iii) of the treatment.

2. The use of claim 1, wherein a low risk of an immunogenic response means that about 95.4% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment.
3. The use of claim 1 or claim 2, wherein the clinical response is clinical remission, wherein clinical remission means at least one of the global definition of clinical remission (that is, Mayo score ≤ 2 points with no individual subscore > 1) and the US definition of clinical remission (that is, absolute stool number ≤ 3 , Mayo rectal bleeding subscore of 0, and Mayo endoscopy subscore of 0 or 1).
4. The use of any one of claims 1 to 3, wherein the medicament comprises:

a pharmaceutical composition for intravenous administration in step (i) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 10 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, 0.4 mg/mL L-methionine, and 20 μ g/mL EDTA disodium salt dihydrate, and which solution has a pH of 6.0; or

a pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 6.7 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, and which solution has a pH of 6.0.
5. The use of claim 4, wherein:

in the pharmaceutical composition for intravenous administration in step (i) of the treatment, the pharmaceutically acceptable carbohydrate is 8.5% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.04% (w/v) polysorbate 80; or

in the pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, the pharmaceutically acceptable carbohydrate is 7.6% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.004% (w/v) polysorbate 80.

CLAIMS

1. A method of treating a human subject with moderately to severely active ulcerative colitis (UC) so as to achieve a clinical response together with a low risk of an immunogenic response, comprising administering to the subject an effective amount of an anti-IL-12/IL-23p40 antibody,

wherein the anti-IL-12/IL-23p40 antibody comprises a heavy chain amino acid sequence of SEQ ID NO:10 and a light chain amino acid sequence of SEQ ID NO:11,

wherein:

- (i) the anti-IL-12/IL-23p40 antibody is administered intravenously to the subject at week 0 of the treatment, at a dosage of about 6.0 mg/kg body weight of the subject or 130 mg, 260 mg, 390 mg or 520 mg per administration;
- (ii) the anti-IL-12/IL-23p40 antibody is further administered subcutaneously to the subject at week 8 of the treatment, at a dosage of about 90 mg per administration; and
- (iii) the anti-IL-12/IL-23p40 antibody is further administered subcutaneously to the subject in a maintenance dose every 8 weeks after the treatment at week 8 or every 12 weeks after the treatment at week 8,

wherein a low risk of an immunogenic response means that greater than 90% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment,

wherein clinical response means a decrease from baseline in the Mayo score by $\geq 30\%$ and ≥ 3 points and a decrease from baseline in the rectal bleeding subscore ≥ 1 points or a rectal bleeding subscore of 0 or 1, and

wherein the double antigen enzyme immunoassay is an electrochemiluminescence immunoassay (ECLIA), in which the anti-IL-12/IL-23p40 antibody is used as a capture antibody and a detection antibody, wherein the detection antibody comprises a ruthenium(II) tris-bipyridine N-hydroxysuccinimide label.

2. The method of claim 1, wherein a low risk of an immunogenic response means that about 95.4% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment.
3. The method of claim 1 or claim 2, wherein the clinical response is clinical remission, wherein clinical remission means at least one of the global definition of clinical remission (that is, Mayo score ≤ 2 points with no individual subscore > 1) and the US definition of clinical remission (that is, absolute stool number ≤ 3 , Mayo rectal bleeding subscore of 0, and Mayo endoscopy subscore of 0 or 1).
4. The method of any one of claims 1 to 3, wherein:

the intravenously administered anti-IL-12/IL-23p40 antibody is in a pharmaceutical composition for intravenous administration in step (i) of the treatment, which is a solution comprising 10 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, 0.4 mg/mL L-methionine, and 20 μ g/mL EDTA disodium salt dihydrate, and which solution has a pH of 6.0; or

the subcutaneously administered anti-IL-12/IL-23p40 antibody is in a pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, which is a solution comprising 6.7 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, and which solution has a pH of 6.0.
5. The method of claim 4, wherein:

in the pharmaceutical composition for intravenous administration in step (i) of the treatment, the pharmaceutically acceptable carbohydrate is 8.5% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.04% (w/v) polysorbate 80; or

in the pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, the pharmaceutically acceptable carbohydrate is 7.6% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.004% (w/v) polysorbate 80.

AU 016 MARKED-UP**CLAIMS**

1. Use of an anti-IL-12/IL-23p40 antibody in the manufacture of a plurality of a medicament for treating a population of human subjects with moderately to severely active ulcerative colitis (UC) so as to achieve a clinical response together with a low risk of an immunogenic response,

wherein the anti-IL-12/IL-23p40 antibody comprises a heavy chain amino acid sequence of SEQ ID NO:10 and a light chain amino acid sequence of SEQ ID NO:11,

wherein treating each subject within the population comprises the steps of:

- (i) administering the anti-IL-12/IL-23p40 antibody intravenously to the subject at week 0 of the treatment, at a dosage of about 6.0 mg/kg body weight of the subject or 130 mg, 260 mg, 390 mg or 520 mg per administration;
- (ii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject at week 8 of the treatment, at a dosage of about 90 mg per administration; and
- (iii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject in a maintenance dose every 8 weeks after the treatment at week 8 or every 12 weeks after the treatment at week 8,

wherein clinical response means a decrease from baseline in the Mayo score by $\geq 30\%$ and ≥ 3 points and a decrease from baseline in the rectal bleeding subscore ≥ 1 points or a rectal bleeding subscore of 0 or 1,

wherein a low risk of an immunogenic response means that greater than 90% of subjects in the population of subjects with moderately to severely active UC who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment,

wherein the double antigen enzyme immunoassay is an electrochemiluminescence immunoassay (ECLIA), in which the anti-IL-12/IL-23p40 antibody is used as a capture antibody and a detection antibody, wherein the detection antibody comprises a ruthenium(II) tris-bipyridine N-hydroxysuccinimide label, and

wherein the medicament is to be administered in either step (i) or, alternatively, step (ii) and/or step (iii) of the treatment.

2. The use of claim 1, wherein a low risk of an immunogenic response means that about 95.4% of subjects in the population of subjects with moderately to severely active UC who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment.
3. The use of claim 1 or claim 2, wherein the clinical response is clinical remission, wherein clinical remission means at least one of the global definition of clinical remission (that is, Mayo score ≤ 2 points with no individual subscore > 1) and the US definition of clinical remission (that is, absolute stool number ≤ 3 , Mayo rectal bleeding subscore of 0, and Mayo endoscopy subscore of 0 or 1).
4. The use of any one of claims 1 to 3, wherein the medicament comprises:

a pharmaceutical composition for intravenous administration in step (i) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 10 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, 0.4 mg/mL L-methionine, and 20 μ g/mL EDTA disodium salt dihydrate, and which solution has a pH of 6.0; or

a pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 6.7 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, and which solution has a pH of 6.0.

5. The use of claim 4, wherein:

in the pharmaceutical composition for intravenous administration in step (i) of the treatment, the pharmaceutically acceptable carbohydrate is 8.5% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.04% (w/v) polysorbate 80; or

in the pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, the pharmaceutically acceptable carbohydrate is 7.6% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.004% (w/v) polysorbate 80.

PATENTS ACT 1990 (CTH)**Advertisement pursuant to rule 34.41 of the Federal Court Rules 2011 (FCR)****FCR 34.41 (1) (a) – IDENTITY OF PROCEEDINGS**

Court: Federal Court of Australia
New South Wales Registry
Proceeding No. NSD 1134 of 2024

Parties: Janssen Biotech, Inc.
(**First Applicant**)
Janssen-Cilag Pty Ltd
(**Second Applicant**)

and

Samsung Bioepis AU Pty Ltd
(**Respondent**)

FCR 34.41 (1) (b) – PARTICULARS OF PROPOSED AMENDMENT

Janssen Biotech, Inc., the registered proprietor of Australian Innovation Patent Nos. 2024100006 (**AU 006**), 2024100007 (**AU 007**) and 2024100016 (**AU 016**) and the First Applicant in the above proceeding, will seek an order under section 105(1) of the *Patents Act 1990* (Cth) directing the amendment of the claims of AU 006, AU 007 and AU 016 as follows (and as shown in mark-up in Annexure 1):

1. Claim 1 – Janssen seeks to insert the words “*for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment*” after the words “*by week 52 of the treatment*”.
2. Claim 2 – Janssen seeks to insert the words “*for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment*” after the words “*by week 52 of the treatment*”.

FCR 34.41 (1) (c) – JANSSEN’S ADDRESS FOR SERVICE

Davies Collison Cave Law
Level 4, 7 Macquarie Place
SYDNEY NSW 2000

Attention: Paul Dewar (PDewar@dcc.com)
Ashley Cameron (ACameron@dcc.com)

FCR 34.41 (1) (d) – OPPOSITION

Any person intending to oppose the application who is not a party to the proceeding must, within 28 days after publication of this advertisement, give written notice of that intention to each of the Commissioner of Patents, the Applicants (Janssen Biotech, Inc. and Janssen-Cilag Pty Ltd) and the Respondent (Samsung Bioepis AU Pty Ltd).

Annexure 1**AU 006 – MARKED-UP****CLAIMS**

1. Use of an anti-IL-12/IL-23p40 antibody in the manufacture of a medicament for treating a human subject with moderately to severely active ulcerative colitis (UC) so as to achieve a clinical response together with a low risk of an immunogenic response,

wherein the anti-IL-12/IL-23p40 antibody comprises a heavy chain amino acid sequence of SEQ ID NO:10 and a light chain amino acid sequence of SEQ ID NO:11,

wherein treating the subject comprises the steps of:

- (i) administering the anti-IL-12/IL-23p40 antibody intravenously to the subject at week 0 of the treatment, at a dosage of about 6.0 mg/kg body weight of the subject or 130 mg, 260 mg, 390 mg or 520 mg per administration;
- (ii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject at week 8 of the treatment, at a dosage of about 90 mg per administration; and
- (iii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject in a maintenance dose every 8 weeks after the treatment at week 8 or every 12 weeks after the treatment at week 8,

wherein a low risk of an immunogenic response means that greater than 90% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment,

wherein clinical response means a decrease from baseline in the Mayo score by $\geq 30\%$ and ≥ 3 points and a decrease from baseline in the rectal bleeding subscore ≥ 1 points or a rectal bleeding subscore of 0 or 1,

wherein the double antigen enzyme immunoassay is an electrochemiluminescence immunoassay (ECLIA), in which the anti-IL-12/IL-23p40 antibody is used as a capture antibody and a detection antibody, wherein the detection antibody comprises a ruthenium(II) tris-bipyridine N-hydroxysuccinimide label, and

wherein the medicament is to be administered in either step (i) or, alternatively, step (ii) and/or step (iii) of the treatment.

2. The use of claim 1, wherein a low risk of an immunogenic response means that about 95.4% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment.
3. The use of claim 1 or claim 2, wherein the clinical response is clinical remission, wherein clinical remission means at least one of the global definition of clinical remission (that is, Mayo score ≤ 2 points with no individual subscore > 1) and the US definition of clinical remission (that is, absolute stool number ≤ 3 , Mayo rectal bleeding subscore of 0, and Mayo endoscopy subscore of 0 or 1).
4. The use of any one of claims 1 to 3, wherein the medicament comprises:

a pharmaceutical composition for intravenous administration in step (i) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 10 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, 0.4 mg/mL L-methionine, and 20 μ g/mL EDTA disodium salt dihydrate, and which solution has a pH of 6.0; or

a pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 6.7 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, and which solution has a pH of 6.0.
5. The use of claim 4, wherein:

in the pharmaceutical composition for intravenous administration in step (i) of the treatment, the pharmaceutically acceptable carbohydrate is 8.5% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.04% (w/v) polysorbate 80; or

in the pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, the pharmaceutically acceptable carbohydrate is 7.6% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.004% (w/v) polysorbate 80.

CLAIMS

1. A method of treating a human subject with moderately to severely active ulcerative colitis (UC) so as to achieve a clinical response together with a low risk of an immunogenic response, comprising administering to the subject an effective amount of an anti-IL-12/IL-23p40 antibody,

wherein the anti-IL-12/IL-23p40 antibody comprises a heavy chain amino acid sequence of SEQ ID NO:10 and a light chain amino acid sequence of SEQ ID NO:11,

wherein:

- (i) the anti-IL-12/IL-23p40 antibody is administered intravenously to the subject at week 0 of the treatment, at a dosage of about 6.0 mg/kg body weight of the subject or 130 mg, 260 mg, 390 mg or 520 mg per administration;
- (ii) the anti-IL-12/IL-23p40 antibody is further administered subcutaneously to the subject at week 8 of the treatment, at a dosage of about 90 mg per administration; and
- (iii) the anti-IL-12/IL-23p40 antibody is further administered subcutaneously to the subject in a maintenance dose every 8 weeks after the treatment at week 8 or every 12 weeks after the treatment at week 8,

wherein a low risk of an immunogenic response means that greater than 90% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment,

wherein clinical response means a decrease from baseline in the Mayo score by $\geq 30\%$ and ≥ 3 points and a decrease from baseline in the rectal bleeding subscore ≥ 1 points or a rectal bleeding subscore of 0 or 1, and

wherein the double antigen enzyme immunoassay is an electrochemiluminescence immunoassay (ECLIA), in which the anti-IL-12/IL-23p40 antibody is used as a capture antibody and a detection antibody, wherein the detection antibody comprises a ruthenium(II) tris-bipyridine N-hydroxysuccinimide label.

2. The method of claim 1, wherein a low risk of an immunogenic response means that about 95.4% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment.
3. The method of claim 1 or claim 2, wherein the clinical response is clinical remission, wherein clinical remission means at least one of the global definition of clinical remission (that is, Mayo score ≤ 2 points with no individual subscore > 1) and the US definition of clinical remission (that is, absolute stool number ≤ 3 , Mayo rectal bleeding subscore of 0, and Mayo endoscopy subscore of 0 or 1).
4. The method of any one of claims 1 to 3, wherein:

the intravenously administered anti-IL-12/IL-23p40 antibody is in a pharmaceutical composition for intravenous administration in step (i) of the treatment, which is a solution comprising 10 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, 0.4 mg/mL L-methionine, and 20 μ g/mL EDTA disodium salt dihydrate, and which solution has a pH of 6.0; or

the subcutaneously administered anti-IL-12/IL-23p40 antibody is in a pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, which is a solution comprising 6.7 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, and which solution has a pH of 6.0.
5. The method of claim 4, wherein:

in the pharmaceutical composition for intravenous administration in step (i) of the treatment, the pharmaceutically acceptable carbohydrate is 8.5% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.04% (w/v) polysorbate 80; or

in the pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, the pharmaceutically acceptable carbohydrate is 7.6% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.004% (w/v) polysorbate 80.

AU 016 MARKED-UP**CLAIMS**

1. Use of an anti-IL-12/IL-23p40 antibody in the manufacture of a plurality of a medicament for treating a population of human subjects with moderately to severely active ulcerative colitis (UC) so as to achieve a clinical response together with a low risk of an immunogenic response,

wherein the anti-IL-12/IL-23p40 antibody comprises a heavy chain amino acid sequence of SEQ ID NO:10 and a light chain amino acid sequence of SEQ ID NO:11,

wherein treating each subject within the population comprises the steps of:

- (i) administering the anti-IL-12/IL-23p40 antibody intravenously to the subject at week 0 of the treatment, at a dosage of about 6.0 mg/kg body weight of the subject or 130 mg, 260 mg, 390 mg or 520 mg per administration;
- (ii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject at week 8 of the treatment, at a dosage of about 90 mg per administration; and
- (iii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject in a maintenance dose every 8 weeks after the treatment at week 8 or every 12 weeks after the treatment at week 8,

wherein clinical response means a decrease from baseline in the Mayo score by $\geq 30\%$ and ≥ 3 points and a decrease from baseline in the rectal bleeding subscore ≥ 1 points or a rectal bleeding subscore of 0 or 1,

wherein a low risk of an immunogenic response means that greater than 90% of subjects in the population of subjects with moderately to severely active UC who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment,

wherein the double antigen enzyme immunoassay is an electrochemiluminescence immunoassay (ECLIA), in which the anti-IL-12/IL-23p40 antibody is used as a capture antibody and a detection antibody, wherein the detection antibody comprises a ruthenium(II) tris-bipyridine N-hydroxysuccinimide label, and

wherein the medicament is to be administered in either step (i) or, alternatively, step (ii) and/or step (iii) of the treatment.

2. The use of claim 1, wherein a low risk of an immunogenic response means that about 95.4% of subjects in the population of subjects with moderately to severely active UC who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment.
3. The use of claim 1 or claim 2, wherein the clinical response is clinical remission, wherein clinical remission means at least one of the global definition of clinical remission (that is, Mayo score ≤ 2 points with no individual subscore > 1) and the US definition of clinical remission (that is, absolute stool number ≤ 3 , Mayo rectal bleeding subscore of 0, and Mayo endoscopy subscore of 0 or 1).
4. The use of any one of claims 1 to 3, wherein the medicament comprises:

a pharmaceutical composition for intravenous administration in step (i) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 10 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, 0.4 mg/mL L-methionine, and 20 μ g/mL EDTA disodium salt dihydrate, and which solution has a pH of 6.0; or

a pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 6.7 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, and which solution has a pH of 6.0.

5. The use of claim 4, wherein:

in the pharmaceutical composition for intravenous administration in step (i) of the treatment, the pharmaceutically acceptable carbohydrate is 8.5% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.04% (w/v) polysorbate 80; or

in the pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, the pharmaceutically acceptable carbohydrate is 7.6% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.004% (w/v) polysorbate 80.

PATENTS ACT 1990 (CTH)**Advertisement pursuant to rule 34.41 of the Federal Court Rules 2011 (FCR)****FCR 34.41 (1) (a) – IDENTITY OF PROCEEDINGS**

Court: Federal Court of Australia
New South Wales Registry
Proceeding No. NSD 1134 of 2024

Parties: Janssen Biotech, Inc.
(**First Applicant**)
Janssen-Cilag Pty Ltd
(**Second Applicant**)

and

Samsung Bioepis AU Pty Ltd
(**Respondent**)

FCR 34.41 (1) (b) – PARTICULARS OF PROPOSED AMENDMENT

Janssen Biotech, Inc., the registered proprietor of Australian Innovation Patent Nos. 2024100006 (**AU 006**), 2024100007 (**AU 007**) and 2024100016 (**AU 016**) and the First Applicant in the above proceeding, will seek an order under section 105(1) of the *Patents Act 1990* (Cth) directing the amendment of the claims of AU 006, AU 007 and AU 016 as follows (and as shown in mark-up in Annexure 1):

1. Claim 1 – Janssen seeks to insert the words “*for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment*” after the words “*by week 52 of the treatment*”.
2. Claim 2 – Janssen seeks to insert the words “*for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment*” after the words “*by week 52 of the treatment*”.

FCR 34.41 (1) (c) – JANSSEN’S ADDRESS FOR SERVICE

Davies Collison Cave Law
Level 4, 7 Macquarie Place
SYDNEY NSW 2000

Attention: Paul Dewar (PDewar@dcc.com)
Ashley Cameron (ACameron@dcc.com)

FCR 34.41 (1) (d) – OPPOSITION

Any person intending to oppose the application who is not a party to the proceeding must, within 28 days after publication of this advertisement, give written notice of that intention to each of the Commissioner of Patents, the Applicants (Janssen Biotech, Inc. and Janssen-Cilag Pty Ltd) and the Respondent (Samsung Bioepis AU Pty Ltd).

Annexure 1**AU 006 – MARKED-UP****CLAIMS**

1. Use of an anti-IL-12/IL-23p40 antibody in the manufacture of a medicament for treating a human subject with moderately to severely active ulcerative colitis (UC) so as to achieve a clinical response together with a low risk of an immunogenic response,

wherein the anti-IL-12/IL-23p40 antibody comprises a heavy chain amino acid sequence of SEQ ID NO:10 and a light chain amino acid sequence of SEQ ID NO:11,

wherein treating the subject comprises the steps of:

- (i) administering the anti-IL-12/IL-23p40 antibody intravenously to the subject at week 0 of the treatment, at a dosage of about 6.0 mg/kg body weight of the subject or 130 mg, 260 mg, 390 mg or 520 mg per administration;
- (ii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject at week 8 of the treatment, at a dosage of about 90 mg per administration; and
- (iii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject in a maintenance dose every 8 weeks after the treatment at week 8 or every 12 weeks after the treatment at week 8,

wherein a low risk of an immunogenic response means that greater than 90% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment,

wherein clinical response means a decrease from baseline in the Mayo score by $\geq 30\%$ and ≥ 3 points and a decrease from baseline in the rectal bleeding subscore ≥ 1 points or a rectal bleeding subscore of 0 or 1,

wherein the double antigen enzyme immunoassay is an electrochemiluminescence immunoassay (ECLIA), in which the anti-IL-12/IL-23p40 antibody is used as a capture antibody and a detection antibody, wherein the detection antibody comprises a ruthenium(II) tris-bipyridine N-hydroxysuccinimide label, and

wherein the medicament is to be administered in either step (i) or, alternatively, step (ii) and/or step (iii) of the treatment.

2. The use of claim 1, wherein a low risk of an immunogenic response means that about 95.4% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment.
3. The use of claim 1 or claim 2, wherein the clinical response is clinical remission, wherein clinical remission means at least one of the global definition of clinical remission (that is, Mayo score ≤ 2 points with no individual subscore > 1) and the US definition of clinical remission (that is, absolute stool number ≤ 3 , Mayo rectal bleeding subscore of 0, and Mayo endoscopy subscore of 0 or 1).
4. The use of any one of claims 1 to 3, wherein the medicament comprises:

a pharmaceutical composition for intravenous administration in step (i) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 10 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, 0.4 mg/mL L-methionine, and 20 μ g/mL EDTA disodium salt dihydrate, and which solution has a pH of 6.0; or

a pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 6.7 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, and which solution has a pH of 6.0.
5. The use of claim 4, wherein:

in the pharmaceutical composition for intravenous administration in step (i) of the treatment, the pharmaceutically acceptable carbohydrate is 8.5% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.04% (w/v) polysorbate 80; or

in the pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, the pharmaceutically acceptable carbohydrate is 7.6% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.004% (w/v) polysorbate 80.

CLAIMS

1. A method of treating a human subject with moderately to severely active ulcerative colitis (UC) so as to achieve a clinical response together with a low risk of an immunogenic response, comprising administering to the subject an effective amount of an anti-IL-12/IL-23p40 antibody,

wherein the anti-IL-12/IL-23p40 antibody comprises a heavy chain amino acid sequence of SEQ ID NO:10 and a light chain amino acid sequence of SEQ ID NO:11,

wherein:

- (i) the anti-IL-12/IL-23p40 antibody is administered intravenously to the subject at week 0 of the treatment, at a dosage of about 6.0 mg/kg body weight of the subject or 130 mg, 260 mg, 390 mg or 520 mg per administration;
- (ii) the anti-IL-12/IL-23p40 antibody is further administered subcutaneously to the subject at week 8 of the treatment, at a dosage of about 90 mg per administration; and
- (iii) the anti-IL-12/IL-23p40 antibody is further administered subcutaneously to the subject in a maintenance dose every 8 weeks after the treatment at week 8 or every 12 weeks after the treatment at week 8,

wherein a low risk of an immunogenic response means that greater than 90% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment,

wherein clinical response means a decrease from baseline in the Mayo score by $\geq 30\%$ and ≥ 3 points and a decrease from baseline in the rectal bleeding subscore ≥ 1 points or a rectal bleeding subscore of 0 or 1, and

wherein the double antigen enzyme immunoassay is an electrochemiluminescence immunoassay (ECLIA), in which the anti-IL-12/IL-23p40 antibody is used as a capture antibody and a detection antibody, wherein the detection antibody comprises a ruthenium(II) tris-bipyridine N-hydroxysuccinimide label.

2. The method of claim 1, wherein a low risk of an immunogenic response means that about 95.4% of subjects who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment.
3. The method of claim 1 or claim 2, wherein the clinical response is clinical remission, wherein clinical remission means at least one of the global definition of clinical remission (that is, Mayo score ≤ 2 points with no individual subscore > 1) and the US definition of clinical remission (that is, absolute stool number ≤ 3 , Mayo rectal bleeding subscore of 0, and Mayo endoscopy subscore of 0 or 1).
4. The method of any one of claims 1 to 3, wherein:

the intravenously administered anti-IL-12/IL-23p40 antibody is in a pharmaceutical composition for intravenous administration in step (i) of the treatment, which is a solution comprising 10 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, 0.4 mg/mL L-methionine, and 20 μ g/mL EDTA disodium salt dihydrate, and which solution has a pH of 6.0; or

the subcutaneously administered anti-IL-12/IL-23p40 antibody is in a pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, which is a solution comprising 6.7 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, and which solution has a pH of 6.0.
5. The method of claim 4, wherein:

in the pharmaceutical composition for intravenous administration in step (i) of the treatment, the pharmaceutically acceptable carbohydrate is 8.5% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.04% (w/v) polysorbate 80; or

in the pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, the pharmaceutically acceptable carbohydrate is 7.6% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.004% (w/v) polysorbate 80.

AU 016 MARKED-UP**CLAIMS**

1. Use of an anti-IL-12/IL-23p40 antibody in the manufacture of a plurality of a medicament for treating a population of human subjects with moderately to severely active ulcerative colitis (UC) so as to achieve a clinical response together with a low risk of an immunogenic response,

wherein the anti-IL-12/IL-23p40 antibody comprises a heavy chain amino acid sequence of SEQ ID NO:10 and a light chain amino acid sequence of SEQ ID NO:11,

wherein treating each subject within the population comprises the steps of:

- (i) administering the anti-IL-12/IL-23p40 antibody intravenously to the subject at week 0 of the treatment, at a dosage of about 6.0 mg/kg body weight of the subject or 130 mg, 260 mg, 390 mg or 520 mg per administration;
- (ii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject at week 8 of the treatment, at a dosage of about 90 mg per administration; and
- (iii) further administering the anti-IL-12/IL-23p40 antibody subcutaneously to the subject in a maintenance dose every 8 weeks after the treatment at week 8 or every 12 weeks after the treatment at week 8,

wherein clinical response means a decrease from baseline in the Mayo score by $\geq 30\%$ and ≥ 3 points and a decrease from baseline in the rectal bleeding subscore ≥ 1 points or a rectal bleeding subscore of 0 or 1,

wherein a low risk of an immunogenic response means that greater than 90% of subjects in the population of subjects with moderately to severely active UC who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment,

wherein the double antigen enzyme immunoassay is an electrochemiluminescence immunoassay (ECLIA), in which the anti-IL-12/IL-23p40 antibody is used as a capture antibody and a detection antibody, wherein the detection antibody comprises a ruthenium(II) tris-bipyridine N-hydroxysuccinimide label, and

wherein the medicament is to be administered in either step (i) or, alternatively, step (ii) and/or step (iii) of the treatment.

2. The use of claim 1, wherein a low risk of an immunogenic response means that about 95.4% of subjects in the population of subjects with moderately to severely active UC who achieve a clinical response by week 16 of the treatment do not have a titratable level of circulating antibodies to the anti-IL-12/IL-23p40 antibody, as measured by a double antigen enzyme immunoassay, by week 52 of the treatment for subjects who achieve a clinical response by week 8 of the treatment, or by week 60 of the treatment for subjects who did not achieve a clinical response by week 8 of the treatment but achieve a clinical response by week 16 of the treatment.
3. The use of claim 1 or claim 2, wherein the clinical response is clinical remission, wherein clinical remission means at least one of the global definition of clinical remission (that is, Mayo score ≤ 2 points with no individual subscore > 1) and the US definition of clinical remission (that is, absolute stool number ≤ 3 , Mayo rectal bleeding subscore of 0, and Mayo endoscopy subscore of 0 or 1).
4. The use of any one of claims 1 to 3, wherein the medicament comprises:

a pharmaceutical composition for intravenous administration in step (i) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 10 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, 0.4 mg/mL L-methionine, and 20 μ g/mL EDTA disodium salt dihydrate, and which solution has a pH of 6.0; or

a pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, which is a solution comprising the anti-IL-12/IL-23p40 antibody, 6.7 mM L-histidine, a pharmaceutically acceptable carbohydrate, a pharmaceutically acceptable surfactant, and which solution has a pH of 6.0.

5. The use of claim 4, wherein:

in the pharmaceutical composition for intravenous administration in step (i) of the treatment, the pharmaceutically acceptable carbohydrate is 8.5% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.04% (w/v) polysorbate 80; or

in the pharmaceutical composition for subcutaneous administration in step (ii) and/or (iii) of the treatment, the pharmaceutically acceptable carbohydrate is 7.6% (w/v) sucrose and the pharmaceutically acceptable surfactant is 0.004% (w/v) polysorbate 80.