



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 -

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Renascor Resources Limited & Dorfner Anzaplan GmbH v Ecograf Limited [2024] APO
13

Patent Application:	2021261902
Title:	Method of producing purified graphite
Patent Applicant:	Ecograf Limited
Opponents:	Renascor Resources Limited (first opponent) & Dorfner Anzaplan GmbH (second opponent)
Delegate:	L. F. McCaffery
Decision Date:	18 March 2024
Hearing Date:	23 October 2023 by videoconference
Catchwords:	PATENTS – opposition under section 59 – novelty – inventive step – support – sufficiency – clarity – manner of manufacture – oppositions successful on the grounds of inventive step, sufficiency, support and clarity – other grounds unsuccessful – costs awarded – applicant given opportunity to amend.
Representation:	Counsel for the applicant: Ben Fitzpatrick Patent attorney for the applicant: Richard Baddeley of WRAYS Counsel for the first opponent: Neil Murray SC and Nicola Gollan Patent attorney for the first opponent: Nigel Lokan of Minter Ellison Counsel for the second opponent: Ian Horak KC Patent attorney for the second opponent: Stephen Friend of Golja Haines & Friend

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 12 Mar 2024 .

Academia Sinica see University of the Sunshine Coast (21) 2024900676	an electrolysis process within a pressure-regulated containment unit	DABKAM PTY LIMITED see Banydit Pty Ltd (21) 2024900664
(71) Advanced Braking Pty Ltd (21) 2024900724 (22) 18.03.2024 (54) Brake Calliper	(71) Banydit Pty Ltd; Yousefi, M.; DABKAM PTY LIMITED (21) 2024900664 (22) 13.03.2024 (54) Modular Adaptive Pyrolysis process with Integrated Thermal Storage medium and Oxidative Heat Recovery	(71) Discanner Pty Ltd (21) 2024900681 (22) 14.03.2024 (54) Metal Detector Mounting Apparatus
(71) AJL Tech Consulting Pty Ltd (21) 2024900688 (22) 15.03.2024 (54) Method and apparatus for electrodepositing a metallic material	(71) Blanket Digital Engagement Pty Ltd (21) 2024900683 (22) 15.03.2024 (54) myAusID	(71) Eimeria Pty Ltd (21) 2024900659 (22) 13.03.2024 (54) Eimeria vaccine
(71) Arakel, A.; Pact Renewables Pty Ltd (21) 2024900705 (22) 17.03.2024 (54) Mineral-based composites, methods and apparatus for producing and using the same	(71) Blanket Digital Engagement Pty Ltd (21) 2024900684 (22) 15.03.2024 (54) Blanket (B)	(71) EKK Holdings Pty Limited (21) 2024900694 (22) 15.03.2024 (54) AN ACCESS ASSEMBLY AND METHOD OF USE THEREOF
(71) Armstrong, S. (21) 2024900715 (22) 18.03.2024 (54) Thermoplastic Replacement Corners for Boards via Additive Manufacturing	(71) BRAY, M. (21) 2024900675 (22) 14.03.2024 (54) System and method for synchronised telematic music collaboration	(71) Farrugia, D. (21) 2024900730 (22) 19.03.2024 (54) Weightlifting accessory
(71) Atkins, W. (21) 2024900678 (22) 14.03.2024 (54) APPARATUS AND METHOD FOR CULTIVATING MACROALGAE	(71) Callington Haven Pty Ltd (21) 2024900710 (22) 18.03.2024 (54) Disinsection device	(71) Fiber Sense Limited (21) 2024900693 (22) 15.03.2024 (54) Aircraft Detection and Tracking Method and System
(71) Aus Health Corporate Pty Ltd; University of South Australia; The University of Adelaide (21) 2024900713 (22) 18.03.2024 (54) ANTIBODIES AND METHODS OF USE THEREOF	(71) Ceratec Innovations Ltd (21) 2024900685 (22) 15.03.2024 (54) DIABETES SCREENING AND MONITORING METHOD AND SYSTEM	(71) Filtrum Operating Trust (21) 2024900729 (22) 19.03.2024 (54) Method for Producing Biodegradable Polyester Filament with Enhanced Biodegradation Characteristics
(71) Austin, C. (21) 2024900712 (22) 18.03.2024 (54) A method and system for direct injection of hydrogen gas into a combustion engine, generated on demand via	(71) Champion, W. (21) 2024900671 (22) 14.03.2024 (54) AWNING REINFORCEMENT	(71) Grainstone Pty Ltd (21) 2024900677 (22) 14.03.2024 (54) Extraction process
	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2024900708 (22) 18.03.2024 (54) Machine learning reliability	(71) Gulikov, P. (21) 2024900728 (22) 19.03.2024 (54) Computer System and Method Relating to Adult Entertainment

Provisional Applications Filed - Name Index cont'd

(71) Hart, J.R.
(21) 2024900691 (22) 15.03.2024
(54) A boiler

(71) Haynes Investments Pty Ltd
(21) 2024900707 (22) 18.03.2024
(54) Hose Support

(71) Hydrogenus Energy
(21) 2024900658 (22) 13.03.2024
(54) Internal combustion engine and electricity generation system

(71) iX Biopharma Limited
(21) 2024900731 (22) 19.03.2024
(54) NADIX+

(71) James Cook University
(21) 2024900721 (22) 18.03.2024
(54) TDD DEPLOYMENT SYSTEM

(71) Kalamboyas, M.
(21) 2024900738 (22) 20.03.2024
(54) DEVICE AND METHOD TO IMPROVE POSTURE

(71) KC8 CAPTURE TECHNOLOGIES LTD
(21) 2024900661 (22) 13.03.2024
(54) A PROCESS AND PLANT

(71) Kinephonics IP Pty Limited
(21) 2024900692 (22) 15.03.2024
(54) Method and system for analysing body movement

(71) Lam, T.T.
(21) 2024900700 (22) 16.03.2024
(54) T-SHAPED STRUCTURES AND I-SHAPED STRUCTURES FOR WAVE ENERGY SYSTEMS

(71) Lam, T.T.
(21) 2024900701 (22) 16.03.2024
(54) SHELL-LIKE STRUCTURES AND WHEEL-LIKE STRUCTURES AND HUB-SUSPENDED STRUCTURES FOR WAVE ENERGY SYSTEMS

(71) Lerch, B.
(21) 2024900655 (22) 13.03.2024
(54) Comprehensive Surf Wax & Accessories Storage Device

(71) Li-S Energy Limited
(21) 2024900718 (22) 18.03.2024
(54) Electrolytes for Lithium-Sulfur Cells

(71) Li-S Energy Limited
(21) 2024900719 (22) 18.03.2024
(54) Electrolytes for Lithium-Sulfur Cells

(71) Macdonald, J.
(21) 2024900687 (22) 15.03.2024
(54) An apparatus to artificially make and boost clouds for rain and sunlight reflection and harvest water from sea fogs.

mDetect Pty Ltd see The University of Tokyo
(21) 2024900697

Melanoma Institute Australia see The University of Sydney
(21) 2024900717

(71) Messenger Bio Pty Ltd
(21) 2024900720 (22) 18.03.2024
(54) Targeted lipid nanoparticles

(71) MineTech Solutions Pty Ltd
(21) 2024900723 (22) 18.03.2024
(54) WARNING SIGNAGE

(71) Mohammed, M.A.
(21) 2024900682 (22) 14.03.2024
(54) Adjustable Umbrella for Providing Protected Area to a User

(71) MOROZOV, I.
(21) 2024900680 (22) 14.03.2024
(54) A STABILISING UNIT FOR A HAND-HELD ROTARY TOOL

(71) Morrison, M.
(21) 2024900702 (22) 16.03.2024
(54) spiral composting and growing container

(71) Morrison, M.
(21) 2024900740 (22) 20.03.2024
(54) High- efficiency auger with dual drive mechanism for wet materials

(71) NEWERA.BIO PTY LTD
(21) 2024900689 (22) 15.03.2024
(54) Compounds and Their Uses

(71) NewSouth Innovations Pty Limited
(21) 2024900657 (22) 13.03.2024
(54) Coloured photovoltaic devices and methods of formation

(71) NEWSOUTH INNOVATIONS PTY LIMITED
(21) 2024900722 (22) 18.03.2024
(54) Artificial enzyme for detection of analytes

(71) NTHALMIC HOLDING PTY LTD
(21) 2024900666 (22) 14.03.2024
(54) A Contact Lens for Myopia Management

(71) NTHALMIC HOLDING PTY LTD
(21) 2024900667 (22) 14.03.2024
(54) A Multi-Zone Spectacle Lens for Myopia Management

(71) NTHALMIC HOLDING PTY LTD
(21) 2024900668 (22) 14.03.2024
(54) A Spectacle Lens for Myopia

(71) NTHALMIC HOLDING PTY LTD
(21) 2024900669 (22) 14.03.2024
(54) Dynamic Orthokeratology

(71) NTHALMIC HOLDING PTY LTD
(21) 2024900670 (22) 14.03.2024
(54) On-eye Imaging of Contact Lenses

Pact Renewables Pty Ltd see Arakel, A.
(21) 2024900705

(71) Phillips, R.
(21) 2024900686 (22) 15.03.2024
(54) Mechanical Ejection system for a material handling device

(71) Rankin, F.
(21) 2024900709 (22) 18.03.2024
(54) PramStep app

(71) Rebus Corporation Pty Ltd
(21) 2024900711 (22) 18.03.2024
(54) Control system for a device for recovering energy from a rotating wheel of a vehicle and energy recovery system

(71) ResMed Pty Ltd
(21) 2024900727 (22) 19.03.2024
(54) TOOL FOR DISASSEMBLING COMPONENTS OF A RESPIRATORY THERAPY SYSTEM

(71) Rugged Group Pty Ltd
(21) 2024900714 (22) 18.03.2024
(54) Tent

Provisional Applications Filed - Name Index cont'd

(71) Saluda Medical Pty Limited
(21) 2024900665 (22) 14.03.2024
(54) Methods and systems for programming closed-loop neural stimulation therapy

(71) Saluda Medical Pty Limited
(21) 2024900690 (22) 15.03.2024
(54) Assisted programming system for neural stimulation therapy

(71) Santos, A.
(21) 2024900703 (22) 17.03.2024
(54) Crab Trolley for Panel Transportation: The Crab Trolley is an innovative trolley for the safe and efficient transportation of Hebel panels and other building materials.

(71) Sarcan24 Pty Ltd
(21) 2024900743 (22) 20.03.2024
(54) Monitor Case

(71) Schaefer, J.
(21) 2024900699 (22) 15.03.2024
(54) Quick install jamb

(71) Schneider Electric (Australia) Pty Limited
(21) 2024900732 (22) 19.03.2024
(54) SWITCH SYSTEM AND ADAPTORS

(71) Schneider Electric (Australia) Pty Limited
(21) 2024900733 (22) 19.03.2024
(54) PUSH BUTTON SWITCH ARRANGEMENT AND ADAPTORS

(71) Schneider Electric (Australia) Pty Limited
(21) 2024900734 (22) 19.03.2024
(54) ELECTRONIC SWITCH CONTROL ARRANGEMENT AND ADAPTORS

(71) Schneider Electric (Australia) Pty Limited
(21) 2024900735 (22) 19.03.2024
(54) TOGGLE SWITCH ARRANGEMENT AND ADAPTORS

(71) Schneider Electric (Australia) Pty Limited
(21) 2024900736 (22) 19.03.2024
(54) ROCKER SWITCH ARRANGEMENT AND ADAPTORS

(71) Schneider Electric (Australia) Pty Limited
(21) 2024900737 (22) 19.03.2024
(54) ROCKER SWITCH ARRANGEMENT

(71) Southern Cross Small Arms Pty Ltd
(21) 2024900663 (22) 13.03.2024
(54) An Improved Bolt, Barrel Extension and Assembly

(71) Speed, T.
(21) 2024900672 (22) 14.03.2024
(54) A Storage Container for a Vehicle

(71) Stealth Technologies Pty Ltd
(21) 2024900698 (22) 15.03.2024
(54) Underground Mine Development Verification

(71) Style Machine
(21) 2024900704 (22) 17.03.2024
(54) A process for determining someone's colour status using science.

(71) Sudholz, T.
(21) 2024900725 (22) 18.03.2024
(54) Level Crossing Advance Warning System (LCAWS)

(71) Suncoast Leisure Group Pty Ltd
(21) 2024900742 (22) 20.03.2024
(54) Jockey wheel

Sydney Local Health District see The University of Sydney
(21) 2024900717

(71) Talon Engineering SDN. BHD.
(21) 2024900716 (22) 18.03.2024
(54) Locking mechanism for ground engaging tools

(71) Tessara Therapeutics Pty Ltd
(21) 2024900695 (22) 15.03.2024
(54) Integrated Biosensor Compositions and Methods

(71) The Straw Cartel
(21) 2024900679 (22) 14.03.2024
(54) Cocktail stirrer

The University of Adelaide see Aus Health Corporate Pty Ltd
(21) 2024900713

(71) The University of Queensland
(21) 2024900696 (22) 15.03.2024
(54) Diagnostic and prognostic signatures for sepsis

(71) The University of Sydney; Sydney Local Health District; Melanoma Institute Australia
(21) 2024900717 (22) 18.03.2024
(54) Methods for identifying skin cancer, administering biopsies and treating skin cancer

(71) The University of Tokyo; mDetect Pty Ltd
(21) 2024900697 (22) 15.03.2024
(54) SYSTEM AND METHOD OF LOCATING, AUTHENTICATING, AND SECURING NETWORK DEVICES VIA MUON DETECTION

(71) TOMLISON, S.
(21) 2024900706 (22) 18.03.2024
(54) Sign cleaning assembly

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(21) 2024900713

(71) University of the Sunshine Coast; Academia Sinica
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(54) VENOM PESTICIDE

(71) US Nano Food & Drug Inc
(21) 2024900656 (22) 13.03.2024
(54) Compositions and methods for the treatment of dermal disease

(71) Veerhuis, R.
(21) 2024900726 (22) 19.03.2024
(54) Clamp-on Garment Hanger with Multi-Angle Adjustment Function

(71) Webb, G.
(21) 2024900674 (22) 14.03.2024
(54) Sunscreen applicator

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(21) 2024900664

(71) ZeaKal, Inc.
(21) 2024900660 (22) 13.03.2024
(54) Methods and compositions for increasing seed oil without seed yield penalty

(71) ZeaKal, Inc.
(21) 2024900662 (22) 13.03.2024
(54) Methods and compositions for increasing seed oil without seed yield penalty

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Applications listed below were processed through the Patent Office Canberra during the period ending 12 Mar 2024 .

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

(71) Abiomed Europe GmbH (21) 2024201799 (22) 20.03.2024 (54) Intravascular blood pump	(54) Complement component iRNA compositions and methods of use thereof	(54) ANTI-IFNAR1 DOSING REGIME FOR SUBCUTANEOUS INJECTION
(71) Accora Limited (21) 2024201698 (22) 14.03.2024 (54) CHAIR	(71) Alpine Immune Sciences, Inc. (21) 2024201667 (22) 14.03.2024 (54) CD80 variant immunomodulatory proteins and uses thereof	(71) Austin Star Detonator Company (21) 2024201750 (22) 18.03.2024 (54) INTEGRATED DETONATOR SENSORS
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(71) Acera Surgical, Inc. (21) 2024201686 (22) 14.03.2024 (54) Tissue substitute materials and methods for tissue repair	(71) Ample-Xin Co., Ltd. (21) 2024201736 (22) 17.03.2024 (54) Sprinkler	(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC. (21) 2024201779 (22) 19.03.2024 (54) Image data encoding/decoding method and apparatus
(71) Acres Technology (21) 2024201696 (22) 14.03.2024 (54) Implementing Mystery Bonus in Place of Base Game Results	(71) Anavex Life Sciences Corp. (21) 2024201661 (22) 14.03.2024 (54) ANAVEX2-73 for the treatment of Alzheimer's disease	(71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC. (21) 2024201782 (22) 19.03.2024 (54) Image data encoding/decoding method and apparatus
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(71) Alexion Pharmaceuticals, Inc. (21) 2024201728 (22) 15.03.2024 (54) Methods and compositions for treating complement-associated disorders	(71) Aquatic Informatics ULC (21) 2024201756 (22) 18.03.2024 (54) Real-time sample and device tracking	(71) Bayer Healthcare LLC (21) 2024201751 (22) 18.03.2024 (54) Chewable gel products for active pharmaceutical ingredients
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(71) Block, Inc.
(21) 2024201660 (22) 14.03.2024
(54) Dynamic user interfaces and operational flows

(71) BlueScope Steel Limited
(21) 2024201691 (22) 14.03.2024
(54) Metal-coated steel strip

(71) Britax Childcare Pty Ltd
(21) 2024201652 (22) 13.03.2024
(54) IMPACT ENERGY ABSORBING DEVICE

(71) Britax Römer Kindersicherheit GmbH
(21) 2024201703 (22) 14.03.2024
(54) CHILD RESTRAINT

(71) BROWN INDUSTRIES AUSTRALIA PTY LTD
(21) 2024201780 (22) 19.03.2024
(54) IMPROVED COLLETED PIN ASSEMBLY FOR HEAVY MACHINERY APPLICATIONS

(71) burke, j.
(21) 2024201790 (22) 19.03.2024
(54) Carbon Harvester Module (CHM)

(71) Byford Equipment Pty Ltd
(21) 2024201755 (22) 18.03.2024
(54) Heavy Vehicle Configuration

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(21) 2024201732

(71) Cantor Index LLC
(21) 2024201631 (22) 13.03.2024
(54) SYSTEM AND METHOD FOR PROVIDING A BLACKJACK GAME HAVING ADDITIONAL OPTIONS FOR A PLAYER

(71) Canva Pty Ltd
(21) 2024201646 (22) 13.03.2024
(54) Systems and methods for loading webpages

(71) CATERPILLAR PAVING PRODUCTS INC.
(21) 2024201665 (22) 14.03.2024
(54) AUGER AND CONVEYOR SPEED CONTROL

(71) Cellphire, Inc.
(21) 2024201792 (22) 19.03.2024
(54) Thrombosomes as an antiplatelet agent reversal agent

(71) CENTRESKY CRAFTS(SHANTOU)CO., LTD
(21) 2024201811 (22) 20.03.2024
(54) TREE SKIRT CONVENIENT FOR STOWAGE AND STORAGE

(71) CENTRESKY CRAFTS(SHANTOU)CO., LTD
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(54) TREE SKIRT USING SNAP-FIT STRUCTURE

(71) CENTRESKY CRAFTS(SHANTOU)CO., LTD
(21) 2024201815 (22) 20.03.2024
(54) TREE SKIRT HAVING MAGNETIC ATTRACTION FIT STRUCTURE

(71) CFPH, LLC
(21) 2024201740 (22) 18.03.2024
(54) SYSTEM AND METHOD FOR MAPPING RESULTS FROM SPORTING EVENTS TO GAME INPUTS

(71) China National Institute of Standardization
(21) 2024201791 (22) 19.03.2024
(54) Extractant and Use Thereof For Extracting Metal From Complex Matrix

(71) CHRIS CAM INDUSTRY INC.
(21) 2024201768 (22) 19.03.2024
(54) Exterior mirror assembly with actuator

(71) Coronado Aesthetics, LLC
(21) 2024201766 (22) 19.03.2024
(54) Methods of treating skin conditions using plasmonic nanoparticles

(71) dcbel Inc.
(21) 2024201758 (22) 18.03.2024
(54) Electric vehicle battery charger

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(21) 2024201711

(71) DexCom, Inc.
(21) 2024201688 (22) 14.03.2024
(54) System and method for decision support

(71) Dolby Laboratories Licensing Corporation
(21) 2024201690 (22) 14.03.2024
(54) Source color volume information messaging

(71) Drawbridge Health, Inc.
(21) 2024201653 (22) 13.03.2024
(54) Devices, systems, and methods for sample collection

(71) Dunlop, C.
(21) 2024201734 (22) 16.03.2024
(54) PROTECTIVE COVER FOR AN ANAESTHETIC BREATHING CIRCUIT

(71) Duration Media LLC
(21) 2024201669 (22) 14.03.2024
(54) TECHNOLOGIES FOR CONTENT PRESENTATION

(71) Dux Manufacturing Limited
(21) 2024201643 (22) 13.03.2024
(54) Water heater system

(71) Edico Genome, Corp.
(21) 2024201692 (22) 14.03.2024
(54) BIOINFORMATICS SYSTEMS, APPARATUSES, AND METHODS EXECUTED ON AN INTEGRATED CIRCUIT PROCESSING PLATFORM

(71) E Ink Corporation
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(54) DRIVING SEQUENCES TO REMOVE PRIOR STATE INFORMATION FROM COLOR ELECTROPHORETIC DISPLAYS

(71) E Ink Corporation
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(54) FOUR PARTICLE ELECTROPHORETIC MEDIUM PROVIDING FAST, HIGH-CONTRAST OPTICAL STATE SWITCHING

(71) Faresin Industries S.p.a.
(21) 2024201733 (22) 16.03.2024
(54) A process for controlling a cattle breeding facility

(71) Fertin Pharma A/S
(21) 2024201729 (22) 15.03.2024
(54) COMPRESSED NICOTINE LOZENGE

(71) Firmus Metal Technologies Singapore Pte Ltd
(21) 2024201689 (22) 14.03.2024
(54) A tank for heat dissipation and a cooling system including the same

(71) Fisher & Paykel Healthcare Limited
(21) 2024201682 (22) 14.03.2024
(54) RESPIRATORY HUMIDIFIER COMMUNICATION SYSTEMS AND METHODS

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(71) FOSHAN LITONG CANOPY CO., LTD
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(54) PORTABLE AND MOBILE FLOOD
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(71) Fraunhofer-Gesellschaft zur Förderung
der angewandten Forschung e.V.
(21) 2024201748 (22) 14.03.2024
(54) Video coding using a coded picture buf-
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(71) Gen-Probe Incorporated
(21) 2024201718 (22) 15.03.2024
(54) Analytical systems, methods, and pro-
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(71) Geomni, Inc.
(21) 2024201803 (22) 20.03.2024
(54) System and method for generating
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ing geometry extraction and reconstruc-
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(71) Geonavo Positioning Systems, Inc.
(21) 2024201783 (22) 19.03.2024
(54) LOCALIZATION SYSTEM AND METH-
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(71) GE Video Compression, LLC
(21) 2024201670 (22) 14.03.2024
(54) Video data stream concept

(71) GE Video Compression, LLC
(21) 2024201731 (22) 15.03.2024
(54) Entropy coding of motion vector differ-
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(71) GlaxoSmithKline Intellectual Property
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(21) 2024201732 (22) 16.03.2024
(54) COMPOUNDS AND METHODS FOR
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(71) Glotern Green Energy Co., Ltd.
(21) 2024201737 (22) 17.03.2024
(54) Automated dismantling and separation
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(71) Godsell, B.
(21) 2024201645 (22) 13.03.2024
(54) SPUR WITH CONNECTOR FOR DE-
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(71) GSL IP PTY LTD
(21) 2024201781 (22) 19.03.2024

(54) Methods and systems for monitoring
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(71) Gunarathna Mudiyansele, P.B.G.
(21) 2024201754 (22) 18.03.2024
(54) Building and Construction apparatus
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(71) Hunter Douglas, Inc.
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(54) Battened roller covering

(71) Hutchinson
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(71) Illinois Tool Works Inc.
(21) 2024201627 (22) 13.03.2024
(54) Truss assembly table with pressing
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(71) Illinois Tool Works Inc.
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(54) Truss assembly table with truss ejection
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(71) Indian Oil Corporation Limited; Depart-
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(21) 2024201711 (22) 15.03.2024
(54) An integrated process for the purific-
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(71) Infosys Limited
(21) 2024201808 (22) 20.03.2024
(54) METHOD AND SYSTEM FOR HY-
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(21) 2024201805

(71) Integrated DNA Technologies, Inc.
(21) 2024201685 (22) 14.03.2024
(54) CRISPR-based compositions and
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(71) Intuit Inc.
(21) 2024201752 (22) 18.03.2024
(54) Categorizing transaction records

(71) Ishida Co., Ltd.
(21) 2024201747 (22) 18.03.2024
(54) BAG-MAKING AND PACKAGING MA-
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(71) J.R. Simplot Company
(21) 2024201721 (22) 15.03.2024
(54) Potato Protein Powders

(71) Janssen Pharmaceutica NV
(21) 2024201709 (22) 15.03.2024
(54) P2X7 modulators

(71) Jiin Yeeh Ding Enterprise Corp.
(21) 2024201704 (22) 14.03.2024
(54) Solar Panel Recycling System and the
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(21) 2024201761

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(71) Junio-Hartmann, R.
(21) 2024201789 (22) 19.03.2024
(54) A COMPUTER SYSTEM AND COM-
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(71) KA Imaging Inc.
(21) 2024201668 (22) 14.03.2024
(54) Method and apparatus for a high resol-
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(71) Kevin Kremeyer
(21) 2024201650 (22) 13.03.2024
(54) Directed energy deposition to facilitate
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(71) Kissei Pharmaceutical Co., Ltd.
(21) 2024201694 (22) 14.03.2024
(54) GONADOTROPIN-RELEASING HOR-
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(71) Kissei Pharmaceutical Co., Ltd.
(21) 2024201701 (22) 14.03.2024
(54) GONADOTROPIN-RELEASING HOR-
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(71) LG Electronics Inc.

(21) 2024201684 (22) 14.03.2024

(54) Clothes treating apparatus

(71) LG Electronics Inc.

(21) 2024201699 (22) 14.03.2024

(54) METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE ON BASIS OF PICTURE HEADER INCLUDING INFORMATION RELATING TO CO-LOCATED PICTURE, AND METHOD FOR TRANSMITTING BIT-STREAM

(71) LG Electronics Inc.

(21) 2024201777 (22) 19.03.2024

(54) Method for coding image on basis of intra prediction using MPM list and apparatus therefor

(71) LG Electronics Inc.

(21) 2024201784 (22) 19.03.2024

(54) Image encoding/decoding method and apparatus using adaptive transform, and method for transmitting bitstream

(71) Lifetime Products, Inc.

(21) 2024201802 (22) 20.03.2024

(54) Two-stage lock assembly

(71) Lobo Holdings Pty Ltd

(21) 2024201763 (22) 18.03.2024

(54) CONVERTIBLE SOLE ASSEMBLY, HEEL, AND CONVERTIBLE SHOE KIT

(71) Lumos Pharma, Inc.

(21) 2024201658 (22) 14.03.2024

(54) DETECTING AND TREATING GROWTH HORMONE DEFICIENCY

(71) Lupagen, Inc.

(21) 2024201810 (22) 20.03.2024

(54) Systems and methods for closed loop, real-time modifications of patient cells

(71) MAKO Surgical Corp.

(21) 2024201787 (22) 19.03.2024

(54) Ultrasound bone registration with learning-based segmentation and sound speed calibration

(71) MAKO Surgical Corp.

(21) 2024201793 (22) 19.03.2024

(54) Robotic systems and methods for manipulating a cutting guide for a surgical instrument

(71) MannKind Corporation

(21) 2024201753 (22) 18.03.2024

(54) HEAT-STABLE DRY POWDER PHARMACEUTICAL COMPOSITIONS AND METHODS

(71) Maytronics Ltd.

(21) 2024201772 (22) 19.03.2024

(54) Pool Related Platform (PRP)

(71) Meridian Medical Technologies, Inc.

(21) 2024201702 (22) 14.03.2024

(54) Auto-injector Apparatus

(71) MOTOCADDY LIMITED

(21) 2024201717 (22) 15.03.2024

(54) Electric Golf Trolley and Electric Golf Trolley Battery Pack

(71) MP Global Products, L.L.C.

(21) 2024201654 (22) 13.03.2024

(54) Method Of Making An Insulation Material And An Insulated Mailer

(71) Nexans

(21) 2024201724 (22) 15.03.2024

(54) MECHANICAL PRESSURE REGULATOR FOR CRYOGENIC FLUIDS

(71) Nippon Telegraph and Telephone Corporation

(21) 2024201679 (22) 14.03.2024

(54) Wearable sensor device and monitoring system

(71) Nite Ize, Inc.

(21) 2024201776 (22) 19.03.2024

(54) Systems and methods for a rope, flat-strap, and bungee securing device

(71) Nokia Technologies Oy

(21) 2024201722 (22) 15.03.2024

(54) Mapping of windowed FD basis to a combinatorial indicator for PMI reporting and usage

(71) Nordex Energy SE & Co. KG

(21) 2024201744 (22) 18.03.2024

(54) Method for controlling a converter, apparatus and system

(71) NORITZ CORPORATION

(21) 2024201725 (22) 15.03.2024

(54) HOT-WATER SUPPLY SYSTEM AND METHOD EXECUTED BY COMPUTER FOR CONTROLLING THE HOT-WATER SUPPLY SYSTEM

(71) Northrop Grumman Systems Corporation

(21) 2024201677 (22) 14.03.2024

(54) Systems for capturing a client vehicle and related methods

(71) Novozymes, Inc.

(21) 2024201764 (22) 19.03.2024

(54) Methods for producing polypeptides in protease-deficient mutants of Trichoderma

(71) Nunhems B.V.

(21) 2024201664 (22) 14.03.2024

(54) Watermelon variety NUN 32126 WMW

(71) Nunhems B.V.

(21) 2024201666 (22) 14.03.2024

(54) Watermelon variety NUN 32117 WMW

(71) Nunhems B.V.

(21) 2024201676 (22) 14.03.2024

(54) Watermelon variety NUN 32132 WMW

(71) Nunhems B.V.

(21) 2024201713 (22) 15.03.2024

(54) Watermelon Variety NUN 22102 WMW

(71) Nunhems B.V.

(21) 2024201714 (22) 15.03.2024

(54) Watermelon Variety NUN 22104 WMW

(71) Nunhems B.V.

(21) 2024201715 (22) 15.03.2024

(54) Watermelon Variety NUN 32137 WMW

(71) One Home Brands, Inc.

(21) 2024201683 (22) 14.03.2024

(54) STABLE ANHYDROUS DISH SOAP AND METHOD OF MAKING SAME

(71) OrthAlign, Inc.

(21) 2024201795 (22) 20.03.2024

(54) HIP REPLACEMENT NAVIGATION SYSTEMS AND METHODS

(71) Phillips, R.

(21) 2024201738 (22) 17.03.2024

(54) Mechanical ejection system for a material handling device

(71) pH Pharma Co., Ltd.

(21) 2024201765 (22) 19.03.2024

(54) Thailanstatin analogs

(71) PIONEER MATERIAL PRECISION TECH CO., LTD.

(21) 2024201675 (22) 14.03.2024

(54) BIOMIMETIC TURTLE

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(71) Presidio Medical, Inc.
(21) 2024201673 (22) 14.03.2024
(54) SYSTEMS AND METHODS FOR DIRECT CURRENT NERVE CONDUCTION BLOCK

(71) Purdue Research Foundation
(21) 2024201775 (22) 19.03.2024
(54) Multi-coil wireless power transfer assembly for wireless glaucoma therapy

(71) Pure Battery Technologies Limited
(21) 2024201693 (22) 14.03.2024
(54) Precipitation of metals

(71) RADEXEL INC.
(21) 2024201778 (22) 19.03.2024
(54) Device for generating magnetic field and method for controlling same

(71) Rapid Micro Biosystems, Inc.
(21) 2024201706 (22) 14.03.2024
(54) Microbiological growth media and methods of using the same

(71) Rayzor
(21) 2024201759 (22) 18.03.2024
(54) Wheelie bin attachment

(71) REPT BATTERO Energy Co., Ltd.; Shanghai Ruipu Energy Co., Ltd.
(21) 2024201727 (22) 15.03.2024
(54) Battery box, battery pack and energy storage container

(71) Rexasitt Italia S.r.l.
(21) 2024201712 (22) 15.03.2024
(54) Support element for a chair

(71) Salts Healthcare Limited
(21) 2024201671 (22) 14.03.2024
(54) An Ostomy Appliance

(71) Schneider Electric Systems USA, Inc.
(21) 2024201796 (22) 20.03.2024
(54) TAG-TO-IMAGE STATUS IMAGE GENERATION

(71) Select Research Limited
(21) 2024201674 (22) 14.03.2024
(54) BODY COMPOSITION PREDICTION TOOLS

Shanghai Ruipu Energy Co., Ltd. see REPT BATTERO Energy Co., Ltd.
(21) 2024201727

(71) Shoulder Innovations, Inc.
(21) 2024201672 (22) 14.03.2024
(54) TOTAL SHOULDER PROSTHESIS HAVING INSET GLENOID IMPLANT CONVERTIBLE FROM ANATOMIC TO REVERSE

(71) Silkroad C&T
(21) 2024201710 (22) 15.03.2024
(54) Preparation method for admixture for plasterboard, admixture prepared thereby, and composition for forming plasterboard comprising same

(71) SK Innovation Co., Ltd.
(21) 2024201707 (22) 15.03.2024
(54) HYDROGEN GENERATION DEVICE

(71) Slennett-Roberts, T.
(21) 2024201735 (22) 17.03.2024
(54) SNOW PANEL

(71) Smart Apply, Inc.
(21) 2024201742 (22) 18.03.2024
(54) Spray system with calibration

(71) Snap-on Incorporated
(21) 2024201651 (22) 13.03.2024
(54) Tool storage units with integrated power

(71) Snap-on Incorporated
(21) 2024201657 (22) 14.03.2024
(54) Impact Wrench

(71) Snap-on Incorporated
(21) 2024201663 (22) 14.03.2024
(54) Power tool battery with vents

(71) Société des Produits Nestlé S.A.
(21) 2024201788 (22) 19.03.2024
(54) Foodstuff products, ingredients, processes and uses

(71) Solution Design Group Pty Ltd
(21) 2024201726 (22) 15.03.2024
(54) BED FOR MINIMISATION OF USER SELF-HARM

(71) SPECIALES GILLARDEAU
(21) 2024201773 (22) 19.03.2024
(54) Device for marking molluscs in continuous flow, corresponding packaging line and method for marking molluscs by implementation of such a line

(71) Stramit Corporation Pty Limited
(21) 2024201678 (22) 14.03.2024
(54) CLIP ASSEMBLY FOR CONCEALED ATTACHMENT OF A CLADDING SHEET TO A SUPPORT

(71) Stryker European Operations Limited
(21) 2024201807 (22) 20.03.2024
(54) RESORBABLE SELF TAPPING SCREW

(71) Studco Australia Pty Ltd
(21) 2024201716 (22) 15.03.2024
(54) IMPROVED BUILDING STUD FOR UTILITY SERVICES

(71) Suncor Energy Inc.
(21) 2024201774 (22) 19.03.2024
(54) PHOTODYNAMIC INHIBITION OF MICROBIAL PATHOGENS IN PLANTS

(71) Techtronic Cordless GP
(21) 2024201635 (22) 13.03.2024
(54) Multi-winding power supply for multi-voltage charger

(71) Techtronic Cordless GP
(21) 2024201730 (22) 15.03.2024
(54) SURFACE CLEANER

(71) Techtronic Cordless GP
(21) 2024201746 (22) 18.03.2024
(54) Battery pack, power tool system and communication system thereof

(71) Techtronic Cordless GP
(21) 2024201757 (22) 18.03.2024
(54) Charging apparatus and system comprising same

TE Connectivity India Private Limited see TE Connectivity Nederland BV
(21) 2024201741

(71) TE Connectivity Nederland BV; TE Connectivity India Private Limited
(21) 2024201741 (22) 18.03.2024
(54) Crown spring with alternating spring blade design

(71) TE Connectivity Solutions GmbH
(21) 2024201798 (22) 20.03.2024
(54) Electrical heating unit for heating a heat shrink cover, electrical heating system, installation system, and manufacturing method

(71) The Banktech Group Pty Ltd
(21) 2024201644 (22) 13.03.2024
(54) SYSTEMS AND METHODS FOR CASHLESS GAMING USING EFTPOS

(71) The Jackson Laboratory
(21) 2024201769 (22) 19.03.2024

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(54) Non-HLA matched humanized NSG mouse model with patient-derived xenograft

(71) The Procter & Gamble Company
(21) 2024201749 (22) 18.03.2024
(54) ORAL CARE COMPOSITIONS WITH ANTICARIES ACTIVITY

(71) The Procter & Gamble Company
(21) 2024201800 (22) 20.03.2024
(54) DENTIFRICE COMPOSITIONS FOR TREATMENT OF DENTAL BIOFILM

(71) The Regents of the University of California
(21) 2024201797 (22) 20.03.2024
(54) Methods of treating lysosomal disorders

(71) The Trustees of the University of Pennsylvania
(21) 2024201649 (22) 13.03.2024
(54) A fully-human T cell receptor specific for the 369-377 epitope derived from the HER2/Neu (ERBB2) receptor protein

(71) The Trustees of the University of Pennsylvania; Inovio Pharmaceuticals, Inc.
(21) 2024201804 (22) 20.03.2024
(54) Vaccines having an antigen and interleukin-21 as an adjuvant

(71) The Trustees of the University of Pennsylvania; Inovio Pharmaceuticals, Inc.
(21) 2024201805 (22) 20.03.2024
(54) Vaccines having an antigen and interleukin-21 as an adjuvant

(71) Thorn Security Limited
(21) 2024201681 (22) 14.03.2024
(54) Smoke detector unit

(71) Toyota Jidosha Kabushiki Kaisha; Komatsu Ltd.
(21) 2024201662 (22) 14.03.2024
(54) Operation management system

(71) Transportation IP Holdings, LLC
(21) 2024201655 (22) 14.03.2024
(54) VEHICLE CONTROL SYSTEMS AND METHODS

(71) Triastek, Inc.
(21) 2024201739 (22) 18.03.2024
(54) DOSAGE FORMS OF CONTROLLED RELEASE AT SPECIFIC GASTROINTESTINAL SITES

(71) TripleW Ltd.
(21) 2024201801 (22) 20.03.2024
(54) Methods and Systems for Lactic Acid Production and Polylactic Acid Recycling

(71) VIIV Healthcare UK (No.5) Limited
(21) 2024201719 (22) 15.03.2024
(54) Inhibitors of human immunodeficiency virus replication

(71) Vitro Flat Glass LLC
(21) 2024201648 (22) 13.03.2024
(54) Solar control coatings with quadruple metallic layers

(71) Watgrid, S.A.
(21) 2024201647 (22) 13.03.2024
(54) FERMENTATION MONITORING SYSTEM

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(21) 2024201732

(71) ZETR Pty Ltd
(21) 2024201760 (22) 18.03.2024
(54) Modular power and/or data system

(71) Zhao, C.
(21) 2024201695 (22) 14.03.2024
(54) SIDEWALL SLIDING BALLPOINT PEN WITH ERASING BLOCK

(71) Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.
(21) 2024201761 (22) 18.03.2024
(54) SOLAR CELL AND PHOTOVOLTAIC MODULE

(71) Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.
(21) 2024201762 (22) 18.03.2024
(54) SOLAR CELL AND PHOTOVOLTAIC MODULE

(71) ZTE Corporation
(21) 2024201771 (22) 19.03.2024
(54) LINK RECOVERY IN WIRELESS COMMUNICATIONS

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2024201794	Beach Road Assets, LLC
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2024201804	The Trustees of the University of Pennsylvania; Inovio Pharmaceuticals, Inc.
2024201805	The Trustees of the University of Pennsylvania; Inovio Pharmaceuticals, Inc.
2024201806	E Ink Corporation
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2024201811	CENTRESKY CRAFTS(SHANTOU)CO., LTD
2024201812	Baker, A.
2024201814	CENTRESKY CRAFTS(SHANTOU)CO., LTD
2024201815	CENTRESKY CRAFTS(SHANTOU)CO., LTD

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

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

The codes next to each number have the following meanings:

Code Meaning

1	Application Lapsed Section 142(2)(a)
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4	Application Lapsed Section 142(2)(d)
5	Application Lapsed Section 142(2)(e)
6	Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
7	Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
8	Application Lapsed Reg. 3.4(6)
9	Application Lapsed Section 142(3)
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12	Application Withdrawn Section 141(1)
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20	Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
21	Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
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27	Application Lapsed Reg. 3.5AF(2F)
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A	Applications on which examination has not been requested or directed
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C	Applications on which examination has been requested or on which an examination report has been issued
D	Applications which have been accepted or advertised accepted
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2024

2024200076 (7AN)	2024200130 (7AN)
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Assignments before Grant, Section 113**2010**

2010905158 Gordon Brothers Industries Pty Ltd The application has been assigned to **Tyco Fire & Security GmbH**

2019

2019230005 Timber Pharmaceuticals, Inc. The application has been assigned to **LEO PHARMA A/S**

2019353661 Haldor Topsøe A/S The application has been assigned to **Topsoe Battery Materials A/S**

2019353668 Haldor Topsøe A/S The application has been assigned to **Topsoe Battery Materials A/S**

2019358327 Bellus Health Cough Inc. The application has been assigned to **GlaxoSmithKline Intellectual Property (No. 3) Limited**

2019367647 Bar, Tami; Koevary, Thomas The application has been assigned to **Ethadox Ltd.**

2019378161 Bellus Health Cough Inc. The application has been assigned to **GlaxoSmithKline Intellectual Property (No. 3) Limited**

2019392558 Apollo Endosurgery US, Inc. The application has been assigned to **Boston Scientific Scimed, Inc.**

2020

2020224767 NewSouth Innovations Pty Limited The application has been assigned to **LONGi Green Energy Technology Co., Ltd.**

2020228760 Bellus Health Cough Inc. The application has been assigned to **GlaxoSmithKline Intellectual Property (No. 3) Limited**

2020241401 Valent U.S.A. LLC The application has been assigned to **Sumitomo Chemical Company, Limited**

2020247828 Olivia Newton-John Cancer Research Institute The application has been assigned to **Certis Therapeutics Pty Ltd**

2020257553 University of Nottingham The application has been assigned to **Myconeos Limited**

2020265452 NewSouth Innovations Pty Limited The application has been assigned to **LONGi Green Energy Technology Co., Ltd.**

2020266878 NewSouth Innovations Pty Limited The application has been assigned to **Longi Green Energy Technology Co., Ltd.**

2020274322 Canopus Networks Pty Ltd The application has been assigned to **Canopus Networks Assets Pty Ltd**

2020287152 Joby Elevate, Inc. The application has been assigned to **Joby Aero, Inc.**

2020295485 Alnylam Pharmaceuticals, Inc.; The Scripps Research Institute The application has been assigned to **University of Florida Research Foundation, Inc.; Alnylam Pharmaceuticals, Inc.**

Assignments before Grant, Section 113

2020297865 Rhodia Operations; Rhodia Poliamida e Especialidades SA The application has been assigned to **SPECIALTY OPERATIONS FRANCE; QUIMICOS E SOLUCOES SUSTENTAVEIS DO BRASIL S.A.**

2020331420 SONOSCOPE Inc. The application has been assigned to **Gestion André Halley Inc.**

2020341257 Canopus Networks Pty Ltd The application has been assigned to **Canopus Networks Assets Pty Ltd**

2020402128 Hellenes Holding AS The application has been assigned to **Grant Prideco, Inc.**

2020407049 Valent U.S.A. LLC The application has been assigned to **Sumitomo Chemical Company, Limited**

2020407494 Valent U.S.A. LLC The application has been assigned to **Sumitomo Chemical Company, Limited**

2020408324 Valent U.S.A. LLC The application has been assigned to **Sumitomo Chemical Company, Limited**

2020415452 Blue Fury Consulting, LLC The application has been assigned to **Integrity Implants, Inc.**

2020435660 Metadatia Technologies S.L. The application has been assigned to **Vraia Corp S.L.**

2020443560 NEC Laboratories Europe GmbH The application has been assigned to **NEC Corporation**

2020454871 Humanwell Pharmaceutical US The application has been assigned to **Yichang Humanwell Pharmaceuticals Co., Ltd; Humanwell Pharmaceutical US**

2021

2021213071 Valent U.S.A. LLC The application has been assigned to **Sumitomo Chemical Company, Limited**

2021219992 Bellus Health Cough Inc. The application has been assigned to **GlaxoSmithKline Intellectual Property (No. 3) Limited**

2021232072 Janpix, Ltd. The application has been assigned to **Centessa Pharmaceuticals (UK) Limited**

2021237121 Commissariat A L'Energie Atomique Et Aux Energies Alternatives; Diraq Pty Ltd The application has been assigned to **Diraq Pty Ltd**

2021279206 Jagger, Robin The application has been assigned to **Cuckfield Pty Ltd**

2021328260 Humanwell Pharmaceutical US The application has been assigned to **Yichang Humanwell Pharmaceuticals Co., Ltd; Humanwell Pharmaceutical US**

2021340269 CO GEAR PTY LTD The application has been assigned to **The HMZ Company Pty Ltd**

Assignments before Grant, Section 113

2022

2022206711 Ganymed Pharmaceuticals GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; BioNTech SE The application has been assigned to **Astellas Pharma Inc.; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; BioNTech SE**

2022208351 GEORG FISCHER HARVEL LLC The application has been assigned to **Georg Fischer LLC**

2022271412 Valvoline Licensing and Intellectual Property LLC The application has been assigned to **VGP IPCO LLC**

2022290378 IONCTURA SA The application has been assigned to **iOnctura BV**

2022326875 CANEXIA HEALTH INC. The application has been assigned to **Pacbridge Partners II Investment Co. Ltd.**

2022339936 INNOVATIVE FOUNDATION SYSTEMS LLC The application has been assigned to **Geopier Foundation Company, Inc.**

2022900216 Gordon Brothers Industries Pty Ltd The application has been assigned to **Tyco Fire & Security GmbH**

2023

2023200599 Gordon Brothers Industries Pty Ltd The application has been assigned to **Tyco Fire & Security GmbH**

2023900902 ResMed Pty Ltd; ResMed Asia Pte. Ltd. The application has been assigned to **ResMed Asia Pte. Ltd.**

2023901715 Canopus Networks Pty Ltd The application has been assigned to **Canopus Networks Assets Pty Ltd**

2023902766 ResMed Asia Pte. Ltd.; ResMed Pty Ltd The application has been assigned to **ResMed Asia Pte. Ltd.**

2023903344 FONTERRA CO-OPERATIVE GROUP LIMITED; Hill, Jeremy; Dybing, Stephen; Williams, Logan The application has been assigned to **FONTERRA CO-OPERATIVE GROUP LIMITED**

2023903855 Energy & Recycling Technologies The application has been assigned to **Lakhe Holdings Pty Ltd**

2023904193 ResMed Pty Ltd; ResMed Asia Pte. Ltd. The application has been assigned to **ResMed Pty Ltd**

2024

2024200019 Shanghai Meiyue Biotech Development Co., Ltd. The application has been assigned to **Novartis AG**

Extensions of Time, Section 223

Applications Received

Extensions of Time, Section 223

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

2005

2005243110 **Vehicle Monitoring Systems Pty Ltd** An application to extend the time from 09 May 2023 to 09 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2006

2006274484 **Rheem Australia Pty Limited** An application to extend the time from 29 Jun 2023 to 29 Feb 2024 in which to pay a renewal fee has been filed . Address for service - Halfords IP Level 7 1 Market Street Sydney NSW 2000 AU

2011

2011204924 **Vehicle Monitoring Systems Pty Ltd** An application to extend the time from 09 May 2023 to 09 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2012

2012297566 **Integrated Packaging Group Pty Ltd** An application to extend the time from 16 Aug 2023 to 16 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU

2014

2014201728 **Sunshine Rice Pty Ltd** An application to extend the time from 21 Mar 2023 to 21 Nov 2023 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017

2017245152 **Baylor University** An application to extend the time from 29 Mar 2023 to 29 Jan 2024 in which to pay a renewal fee has been filed . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2018

2018280129 **OhmiQ, Inc.** An application to extend the time from 05 Jun 2023 to 05 Jan 2024 in which to pay the continuation fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2019

2019101794 **Adaptdefy Limited** An application to extend the time from 19 Aug 2023 to 19 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Adaptdefy Limited 13 Winchester Street Lyttelton 8082 NZ

2023

2023100023 **Lastavec, S.** An application to extend the time from 03 Aug 2023 to 03 Mar 2024 in which to pay a renewal fee has been filed . Address for service - Patentec Patent Attorneys L11, 65 York Street Sydney NSW 2000 AU

Extensions of Time, Section 223

Applications Allowed - Section 223(2)

2008

2008265521 **Acrow Formwork and Scaffolding Pty Ltd** The time in which to pay a renewal fee has been extended to 20 Jul 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2016

2016203527 **Dunstan, J.** The time in which to pay a renewal fee has been extended to 27 Dec 2023 . Address for service - Julian Dunstan 29 Dehi Avenue Hillcrest SA 5086 AU

2016357303 **University of Georgia Research Foundation, Inc.; Aruna Biomedical, Inc.** The time in which to pay the acceptance fee has been extended to 29 Mar 2024 . Address for service - A.P.T. Patent and Trade Mark Attorneys PO Box 833 BLACKWOOD SA 5051 AU

2017

2017202587 **Apple Inc.** The time in which to pay a renewal fee has been extended to 28 Oct 2023 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2017286843 **Crispr Therapeutics AG** The time in which to pay the acceptance fee has been extended to 02 Mar 2024 . Address for service - Pearce IP Pty Ltd L5, 20 Bond St SYDNEY NSW 2000 AU

2017316641 **REMOV Technologies Inc.** The time in which to pay a renewal fee has been extended to 22 Aug 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2018

2018370123 **Pontic Technology, LLC** The time in which to pay a continuation fee has been filed 15 Dec 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019

2019440508 **FJ Dynamics Technology Co., Ltd** The time in which to gain acceptance has been extended to 26 Jun 2024 . Address for service - Admiral Trademarks & Patents Services PO Box 767 Miranda NSW 1490 AU

2020

2020100665 **Telethon Kids Institute** The time in which to pay a renewal fee has been extended to 30 Dec 2023 . Address for service - Grow Impact G 45 St Georges Terrace Perth WA 6000 AU

2020209270 **Brilliant Light Power, Inc.** The time in which to request examination has been extended to 24 Jan 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020289035 **Northrop Grumman Systems Corporation** The time in which to gain acceptance has been filed 24 Mar 2024 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2020392237 **Lucid Software, Inc.** The time in which to gain acceptance has been extended to 17 Mar 2024 . Address for service - Pangaea IP Consultants 1552 Heatherton Rd Dandenong VIC 3175 AU

Extensions of Time, Section 223

2021

2021223438 **Toppan Inc.** The time in which to pay the acceptance fee has been extended to 19 Feb 2024 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2021393483 **GUANGZHOU SHIYUAN ELECTRONIC TECHNOLOGY COMPANY LIMITED; GUANGZHOU SHIRUI ELECTRONICS CO., LTD** The time in which to enter the National Phase has been extended to 04 Nov 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2022

2022202706 **Strong Arm Technologies, Inc.** The time in which to pay a renewal fee has been extended to 13 Nov 2023 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2022228193 **Thales Holdings UK Plc** The time in which to pay the acceptance fee has been extended to 19 Feb 2024 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2022268312 **JHUNJHUNWALA, S.** The time in which to pay the acceptance fee has been extended to 19 Mar 2024 . Address for service - Pangaea IP Consultants 1552 Heatherton Rd Dandenong VIC 3175 AU

2022278321 **SERVICE IMPEX COSTA DORADA S.L.** The time in which to enter the National Phase has been extended to 20 Mar 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022298656 **NOBLE RIG HOLDINGS LIMITED** The time in which to enter the National Phase has been extended to 22 Feb 2024 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

2023

2023282165 **Blaesi, A.** The time in which to request examination has been extended to 13 Mar 2024 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2023285702 **Chai, Y.** The time in which to comply with a direction under Reg 3.2A has been extended to 19 Mar 2024 . Address for service - Yuan Chai U 610 23 Porter St Ryde NSW 2112 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.

2013

2013373738 Watercraft comprising a redundant energy accumulator **Cayago TEC GmbH** The nature of the amendment is as shown in the

Amendments

statement(s) filed 22 Feb 2024 . Address for service - Integrated IP 168 Stirling Highway Nedlands WA 6009 AU

2013373739 Watercraft with flooding chamber **Cayago TEC GmbH** The nature of the amendment is as shown in the statement(s) filed 22 Feb 2024 . Address for service - Integrated IP 168 Stirling Highway Nedlands WA 6009 AU

2016

2016206432 Hyperspectral imager method and apparatus **Technological Resources Pty. Limited** The nature of the amendment is as shown in the statement(s) filed 27 Feb 2024 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2017

2017244515 PHARMACEUTICAL COMPOSITION FOR TREATMENT AND/OR PREVENTION OF CANCERS **Toray Industries, Inc.** The nature of the amendment is as shown in the statement(s) filed 08 Mar 2024 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2017329182 Visual assistance to the on-ground movement of a lifting platform **Haulotte Group** The nature of the amendment is as shown in the statement(s) filed 12 Feb 2024 . Address for service - Origin Patent and Trade Mark Attorneys P O Box 106775 Auckland 1143 NZ

2018

2018246382 Novel inhibitors **VIVORYON THERAPEUTICS N.V.** The nature of the amendment is as shown in the statement(s) filed 23 Feb 2024 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

2018275244 Overhanging jaw cartridge for body piercing instrument **Reil, G.** The nature of the amendment is as shown in the statement(s) filed 29 Feb 2024 . Address for service - Dennemeyer & Associates PO Box 363 KEW VIC 3101 AU

2018333279 A portable sawmill **Pilot Pastoral Co. Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 03 Feb 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2018342997 Cutaneous papilloma virus vaccine **Deutsches Krebsforschungszentrum** The nature of the amendment is as shown in the statement(s) filed 06 Feb 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019

2019235432 Anthradithiophene derivatives, process for the preparation thereof and polymers that contain them **Eni S.p.A.** The nature of the amendment is as shown in the statement(s) filed 06 Feb 2024 . Address for service - Phillips Ormonde Fitzpatrick Level 16 333 Collins Street Melbourne VIC 3000 AU

2019346134 Safe and effective method of treating ulcerative colitis with anti-il12/il23 antibody **Janssen Biotech, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Jan 2024 . Address

Amendments

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

2019468597 Communication method and apparatus **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 13 Mar 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2020

2020328503 Overmolding techniques and related articles produced therefrom **Ultradent Products, Inc.** The nature of the amendment is as shown in the statement(s) filed 23 Feb 2024 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

2020414768 Battery power-on circuit **Pylon Technologies, Co. Ltd** The nature of the amendment is as shown in the statement(s) filed 13 Mar 2024 . Address for service - Atkinson IP PO Box 967 Hurstville BC NSW 1481 AU

2021

2021333558 Inhibitors of SARM1 **Disarm Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 05 Mar 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2022

2022204166 2-AMINOPYRIMIDIN-6-ONES AND ANALOGS EXHIBITING ANTI-CANCER AND ANTI-PROLIFERATIVE ACTIVITIES **Deciphera Pharmaceuticals, LLC** The nature of the amendment is as shown in the statement(s) filed 09 Mar 2024 . Address for service - Pizzey's Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

Amendments Made

2008

2008253590 **FLSmidth A/S** The nature of the amendment is as shown in the statement(s) filed 14 Nov 2023

2015

2015100599 **Smart Glass Systems Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 21 Jul 2022

2017

2017228474 **JN Biosciences, LLC; Abmuno Therapeutics LLC** The nature of the amendment is as shown in the statement(s) filed 08 Dec 2023

2017252504 **Genome Research Limited** The nature of the amendment is as shown in the statement(s) filed 13 Dec 2023

2017347761 **Vestaron Corporation** The nature of the amendment is as shown in the statement(s) filed 15 Dec 2023

2017368597 **Daiichi Sankyo Company, Limited** The nature of the amendment is as shown in the statement(s) filed 18 Dec 2023

Amendments

2018

2018223899 **University of Southampton** The nature of the amendment is as shown in the statement(s) filed 14 Nov 2023

2018267167 **Kikkoman Corporation; Nagasaki University** The nature of the amendment is: Amend the invention title to read METHOD OF PRODUCING ISOPRENOIDS AND PROTEINS, GENES, AND TRANSFORMANTS FOR THE SAME

2018301849 **Victaulic Company** The nature of the amendment is: Amend the invention title to read Preaction sprinkler valve assemblies, related dry sprinkler devices adapted for long travel, and fire protection sprinkler systems

2018350614 **Bayer Aktiengesellschaft** The nature of the amendment is as shown in the statement(s) filed 29 Nov 2023

2018377056 **Shriro Australia Pty Limited** The nature of the amendment is: Application is to proceed under the number 2018377056

2019

2019264834 **Metso Finland Oy** The nature of the amendment is as shown in the statement(s) filed 15 Dec 2023

2019276047 **Südzucker AG** The nature of the amendment is: Amend the invention title to read ANOLYTE FRACTION-CATALYZED HMF PRODUCTION

2019398214 **Q32 Bio Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Dec 2023

2019455069 **Hangzhou DAC Biotech Co., Ltd** The nature of the amendment is as shown in the statement(s) filed 20 Nov 2023 and 11 Dec 2023

2020

2020232314 **Aerie Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Dec 2023

2020241005 **Canon Kabushiki Kaisha** The nature of the amendment is as shown in the statement(s) filed 18 Dec 2023

2020259386 **ResMed Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read WORKMAN, Jeremy William; TSAI, Ernie Wei-Chih; DENT, Michael James; KABILAFKAS, Max William Andrew; MAURER, Dimitri Marco; CHAN, Andrew; FORMICA, Justin John; VERMA, Hargopal; KROL-MAZUR, Katarzyna Anna; TAN, Chia Ik and MAIKIM, Jessie Cindy

2020272040 **The Regents of the University of Colorado, a Body Corporate** The nature of the amendment is as shown in the statement(s) filed 11 Dec 2023

2020272983 **Carbofex Oy** The nature of the amendment is: Amend the invention title to read METHOD AND APPARATUS FOR THE MANUFACTURING OF BIOCHAR WITH THERMAL TREATMENT

2020337731 **Equinor Energy AS** The nature of the amendment is: Amend the name of the inventor to read Ellingsen, Kjell Einar; Stange-

Amendments

land, Jone; Fuhr, Geir Gundersen; Reinås, Lorents; Sæther, Morten; Nesse, Harald Sigurd and Eide, Asle

2020414892 **Beijing Geekplus Technology Co. Ltd** The nature of the amendment is: Application is to proceed under the number 2020104502

2021

2021277132 **Refocus Group, Inc.** The nature of the amendment is as shown in the statement(s) filed 22 Dec 2023

2021287932 **Nucmito Pharmaceuticals Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read SU, Ying; ZHANG, Xiaokun; CHEN, Ziwen; CHEN, Qingzhen; WANG, Haishan; ZHANG, Xindao; ZENG, Zhiping; ZHOU, Yuqi and YAN, Zhiqiang

2021312427 **Kolte, S.; Tarale, S.** The nature of the amendment is: Amend the invention title to read SYSTEM AND METHOD FOR MINIMIZING PRE-TREATMENT TIME FOR CASUALTY PATIENT

2021355100 **DAIKIN INDUSTRIES, LTD.** The nature of the amendment is: Amend the invention title to read POWER CONTROL SYSTEM AND DEVICE

2021452804 **CUMULUS NEUROSCIENCE LIMITED** The nature of the amendment is: Amend the name of the inventor to read MCCULLOUGH, Ian; MURPHY, Bryan; GRIFFITHS, Glyn; KEALY, Terence; URASINI, Sara and MCNEILL, Martin

2021463503 **NIPPON STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read Hot-dip plated steel

2022

2022218194 **RETROTOPE, INC.; MILNER, P.; SHCHEPINOV, M.S.** The nature of the amendment is: Amend the name of the inventor to read MILNER, Peter

2022256304 **ARRIS Enterprises LLC** The nature of the amendment is as shown in the statement(s) filed 06 Mar 2024

2022292366 **IBMSOL CO., LTD.** The nature of the amendment is: Amend the invention title to read Plasma generating module for uterine cervix and plasma generating apparatus for uterine cervix including the same

2022318273 **NEURINNOV; INRIA - INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET EN AUTOMATIQUE; UNIVERSITÉ DE MONTPELLIER** The nature of the amendment is as shown in the statement(s) filed 29 Jan 2024

2022325237 **TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION; RENOVACOR, INC.** The nature of the amendment is as shown in the statement(s) filed 05 Mar 2024

2022329695 **EBARA CORPORATION** The nature of the amendment is: Amend the invention title to read Purge apparatus and purge method

Amendments

2022330643 **EBARA CORPORATION** The nature of the amendment is: Amend the invention title to read Buffer gate, pump carrying-in method, and pump pulling-up method

2022331162 **EBARA CORPORATION** The nature of the amendment is: Amend the invention title to read Power feeding apparatus and power feeding method for submerged pump

2022334070 **HUAWEI TECHNOLOGIES CO., LTD.** The nature of the amendment is: Amend the invention title to read LOCATION DETERMINING METHOD AND APPARATUS

2022359109 **JFE STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read Pressure Vessel for High-Pressure Hydrogen Gas

2022390503 **XIAMEN UNIVERSITY; XIAMEN INNODX BIOTECH CO., LTD** The nature of the amendment is: Amend the invention title to read Microfluidic chip and microfluidic chip detection system

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

2004

2004204381 Archimedes Development Limited The name of the patentee has been altered to **Kyowa Kirin Services Ltd**

2006

2006324488 Abcam PLC The name of the patentee has been altered to **Abcam Limited**

2007

2007245443 Abcam PLC The name of the patentee has been altered to **Abcam Limited**

2008

2008263586 Abcam PLC The name of the patentee has been altered to **Abcam Limited**

2008278934 SEALYNX INTERNATIONAL The name of the patentee has been altered to **SCF Solutions Automotive France**

2011

2011222742 Abcam PLC The name of the patentee has been altered to **Abcam Limited**

2013

2013246821 IDCAPS The name of the patentee has been altered to **Capsulae**

2014

2014273034 Abcam PLC The name of the patentee has been altered to **Abcam Limited**

2014298505 Ganymed Pharmaceuticals GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; BioNTech AG The name of the patentee has been altered to **Ganymed Pharmaceuticals GmbH; TRON - Translationale Onkologie an der Universitätsmed-**

Amendments

izin der Johannes Gutenberg-Universitat Mainz Gemeinnutzige GmbH; BioNTech SE

2015

2015231429 Dassault Systemes Simulia Corp. The name of the patentee has been altered to **Dassault Systemes Americas Corp.**

2015275305 Currency Select Pty Ltd The name of the patentee has been altered to **Global Blue Payments (Australia) Pty Ltd**

2015359071 Abcam PLC The name of the patentee has been altered to **Abcam Limited**

2017

2017220312 Dassault Systemes Simulia Corp. The name of the patentee has been altered to **Dassault Systemes Americas Corp.**

2017252252 L3HARRIS UNMANNED SYSTEMS, INC. The name of the patentee has been altered to **L3 Technologies, Inc.**

2019

2019243423 Phospholutions LLC The name of the applicant has been altered to **PHOSPHOLUTIONS, INC.**

2019296174 Shanghai Changchengyiyaokeji Company Limited The name of the patentee has been altered to **Changchun Changcheng Pharmaceutical Technology Co., LTD**

2020

2020201984 Currency Select Pty Ltd The name of the patentee has been altered to **Global Blue Payments (Australia) Pty Ltd**

2020286709 SMALL PHARMA LTD The name of the applicant has been altered to **Cybin UK Ltd**

2020378647 SMALL PHARMA LTD The name of the patentee has been altered to **Cybin UK Ltd**

2020381103 SMALL PHARMA LTD The name of the patentee has been altered to **Cybin UK Ltd**

2021

2021204158 SMALL PHARMA LTD The name of the patentee has been altered to **Cybin UK Ltd**

2021284861 SMALL PHARMA LTD The name of the applicant has been altered to **Cybin UK Ltd**

2021334933 SMALL PHARMA LTD The name of the patentee has been altered to **Cybin UK Ltd**

2021371184 QURA S.R.L. The name of the applicant has been altered to **SPECTRUM MEDICAL SRL**

2021391581 SMALL PHARMA LTD The name of the applicant has been altered to **Cybin UK Ltd**

2021443407 INSTITUTO NACIONAL DE INVESTIGACIONES NUCLEARES; Guillermina FERRO-FLORES; Blanca Eli OCAMPO-

Amendments

GARCÍA The name of the applicant has been altered to **INSTITUTO NACIONAL DE INVESTIGACIONES NUCLEARES**

2022

2022297448 ACURASTEM, INC. The name of the applicant has been altered to **AcuraStem Incorporated**

2022316149 ACURASTEM, INC. The name of the applicant has been altered to **AcuraStem Incorporated**

2022333285 SAFEHINGE LIMITED The name of the applicant has been altered to **SAFEHINGE PRIMERA LIMITED**

2022343745 ATHENEX, INC. The name of the applicant has been altered to **HEALTH HOPE PHARMA LIMITED**

2022347171 GELMEDIX, INC.; Max COTLER; Noel VERA-GONZALEZ; Arthur DRISCOLL The name of the applicant has been altered to **GELMEDIX, INC.**

2022347771 SHANGHAI PUYOU BIOCHEMICAL CO., LTD. The name of the applicant has been altered to **SHANGHAI PUYOU BIOMEDICAL CO., LTD.**

2022348455 OPTT HEALTH INC. The name of the applicant has been altered to **OPTT Health, Inc.**

2022394479 BENDIX COMMERCIAL VEHICLE SYSTEMS LLC The name of the applicant has been altered to **Bendix Commercial Vehicle Systems LLC**

2023

2023900834 Mahfoudh, Mardeyah The name of the applicant has been altered to **Steel, M.**

2024

2024900681 Discanner Pty Ltd The name of the applicant has been altered to **Discaneer Pty Ltd**

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

Australian Patent/Patent Application 2018264756 in the name(s) of FLSmidth A/S

Applications Open to Public Inspection

Name Index

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

(71) Acorn Engineering Company (11) AU-A-2023219963 (21) 2023219963 (22) 25.08.2023 (54) Hook for suspending items (51) Int. Cl. F16B 45/00 (2006.01) A47G 25/06 (2006.01) (31) 17/944,909 (32) 14.09.22 (33) US (43) 28.03.2024 (72) BOELTL, Darryl M.; ADKISON, Christopher (74) Spruson & Ferguson	(54) ANTIBODY-DRUG SYNERGISM TECHNOLOGY FOR TREATING DISEASES (51) Int. Cl. C07K 16/00 (2006.01) A61K 47/50 (2017.01) (43) 28.03.2024 (62) 2017214475 (72) Ni, Jinsong; Yang, Rong (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd	(71) Allergan, Inc. (11) AU-A-2024201553 (21) 2024201553 (22) 08.03.2024 (54) Pharmaceutical compositions comprising 4-[1-(2,3-dimethylphenyl)ethyl]-3H-imidazole derivatives for treating retinal diseases (51) Int. Cl. A61K 31/4174 (2006.01) A61P 27/02 (2006.01) (43) 28.03.2024 (62) 2021269423 (72) Dibas, Mohammed I.; Donello, John E.; Gil, Daniel W. (74) Davies Collision Cave Pty Ltd
(71) Acorn Intellectual Properties Ltd (11) AU-A-2022232546 (21) 2022232546 (22) 19.09.2022 (54) PIPE END CAP (51) Int. Cl. F16L 55/115 (2006.01) (31) 2213362.3 (32) 13.09.22 (33) GB (43) 28.03.2024 (72) WOOD, Alexander (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD	(71) Advanced Lithium Electrochemistry Co., Ltd. (11) AU-A-2023202965 (21) 2023202965 (22) 12.05.2023 (54) Recycling and reworking method of lithium iron phosphate cathode material (51) Int. Cl. H01M 10/54 (2006.01) H01M 10/00 (2006.01) (31) 111134107 (32) 08.09.22 (33) TW (43) 28.03.2024 (72) HSIEH, Han-Wei; LI, Yi-Ting (74) Spruson & Ferguson	(71) Amgen Inc. (11) AU-A-2024201610 (21) 2024201610 (22) 12.03.2024 (54) Rotationally biased insertion mechanism for a drug delivery pump (51) Int. Cl. A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/158 (2006.01) A61M 5/32 (2006.01) (43) 28.03.2024 (62) 2022202980 (72) DESTEFANO, Mark A.; LAURENCE, Lawton; LOVE, John C.; HANSON, Ian B.; BENTE IV, Paul F. (74) Spruson & Ferguson
(71) Acres Technology (11) AU-A-2024201582 (21) 2024201582 (22) 08.03.2024 (54) Gaming Device Having Variable Speed of Play (51) Int. Cl. A63F 13/00 (2014.01) (43) 28.03.2024 (62) 2022200798 (72) Acres, John F. (74) Golja Haines & Friend	(71) Aegis Therapeutics, LLC; ARS Pharmaceuticals Operations, Inc. (11) AU-A-2024201523 (21) 2024201523 (22) 07.03.2024 (54) Intranasal epinephrine formulations and methods for the treatment of disease (51) Int. Cl. A61K 31/137 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) (43) 28.03.2024 (62) 2021254650 (72) LOWENTHAL, Richard; MAGGIO, Edward T.; BELL, Robert G.; SHAH, Pratik (74) FB Rice Pty Ltd	(71) Angel Group Co., Ltd. (11) AU-A-2024201496 (21) 2024201496 (22) 06.03.2024 (54) PACKING BOX FOR SHUFFLED PLAYING CARDS (51) Int. Cl. A63F 1/06 (2006.01) (43) 28.03.2024 (62) 2022231696 (72) Shigeta, Yasushi (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
(71) Adobe Inc. (11) AU-A-2023204419 (21) 2023204419 (22) 08.07.2023 (54) MULTIDIMENSIONAL IMAGE EDITING FROM AN INPUT IMAGE (51) Int. Cl. G06T 19/20 (2011.01) G06F 3/04845 (2022.01) G06F 40/20 (2020.01) G06T 11/40 (2006.01) (31) 17/942,101 (32) 09.09.22 (33) US (43) 28.03.2024 (72) Park, Taesung; Zhang, Richard; Shechtman, Elya (74) RnB IP Pty Ltd	(71) Alcon Inc. (11) AU-A-2024201554 (21) 2024201554 (22) 08.03.2024 (54) ACCOMMODATING INTRAOCULAR LENSES AND METHODS OF MANUFACTURING (51) Int. Cl. A61F 2/16 (2006.01) G02B 1/06 (2006.01) G02B 3/04 (2006.01) G02B 3/06 (2006.01) G02B 3/12 (2006.01) G02C 7/04 (2006.01) (43) 28.03.2024 (62) 2021269283 (72) Hildebrand, Daniel; Smiley, Terah Whiting; Lewis, Nathan; Angelopoulos, Robert (74) PHILLIPS ORMONDE FITZPATRICK	(71) Apellis Pharmaceuticals, Inc. (11) AU-A-2024201445 (21) 2024201445 (22) 05.03.2024 (54) Dosing regimens and related compositions and methods (51) Int. Cl. C07K 7/06 (2006.01) A61K 38/04 (2006.01) A61K 38/12 (2006.01) C07K 7/50 (2006.01) C07K 7/64 (2006.01) C07K 14/47 (2006.01)
(71) ADS Therapeutics LLC (11) AU-A-2024201466 (21) 2024201466 (22) 06.03.2024		

Applications Open to Public Inspection - Name Index cont'd

(43) 28.03.2024
(62) 2018386304
(72) GROSSI, Federico; DESCHATELETS, Pascal; FRANCOIS, Cedric; JOHN-SON, Patrick; VEGA, Carolina
(74) FB Rice Pty Ltd

(71) APIX BIOSCIENCES; PHYTANT
(11) AU-A-2023274082
(21) 2023274082 (22) 10.09.2023
(54) ISOFUCOSTEROL AND COMBINATIONS OF ISOFUCOSTEROL AND A MULTIPLICITY OF STEROLS AS A NUTRIENT FOR ANIMALS
(51) Int. Cl.
A23K 50/90 (2016.01)
A23K 20/168 (2016.01)
A23K 50/80 (2016.01)
(31) BE2022/5727 (32) 13.09.22 (33) BE
(43) 28.03.2024
(72) BOGAERT, Thierry; SHAFIR, Sharoni; WRIGHT, Geraldine; BOGAERT, Jan
(74) Alder IP Pty Ltd

(71) Apple Inc.
(11) AU-A-2024201515
(21) 2024201515 (22) 07.03.2024
(54) User interfaces for managing visual content in media
(51) Int. Cl.
G06V 20/62 (2022.01)
G06F 1/16 (2006.01)
G06F 3/00 (2006.01)
G06F 3/03 (2006.01)
G06F 3/04842 (2022.01)
G06F 3/04845 (2022.01)
G06F 3/04883 (2022.01)
G06F 40/166 (2020.01)
G06V 30/40 (2022.01)
(43) 28.03.2024
(62) 2022261717
(72) PAUL, Grant R.; ALBERT, Kellie L.; ALVARO MUNOZ, Francisco; AXELROD, Amitai; BAKER, Steven D.; BORIOS, Guillaume; BRADFORD, Adam Huff; BRASKET, Jeffrey A.; CHATTERJEE, Rajen; CHEN, Jennifer Pon; COREY, Brandon J.; CRANE, Neil G.; CRANFILL, Elizabeth Caroline; DANTONE, Matthias; DE VRIES, Nathan; DESELAERS, Thomas; DIXON, Ryan S.; FEDERIGHI, Craig M.; JAGADEESH, Vignesh; JONES, James N.; KHULLAR, Mallika Priya; LANE, Vincent M.; LIU, Xishuo; LUPINETTI, Nicholas D.; MANZARI, Johnnie B.; MARINEAU-MES, Sebastien V.; MILADINOV, Viktor; PATEL, Kayur D.; PAULIK, Matthias; PHAM, Ngoc H.; SANTOS, Ron; SHAH, Pulah J.; SHARMA, Vinay; SIBLINI, Aya; SOUZA DOS SANTOS, Andre; TANG, Siyang; WANG, Xin; YE, Chen; ZHAO, Yang; ZHONG, Guangyu; ZULIANI, Marco; VENKATACHARY, Srinivasan
(74) FPA Patent Attorneys Pty Ltd

(71) Applied Medical Resources Corporation
(11) AU-A-2024201530

(21) 2024201530 (22) 07.03.2024
(54) Surgical stapler having articulation mechanism
(51) Int. Cl.
A61B 17/072 (2006.01)
(43) 28.03.2024
(62) 2022204403
(72) SCHOBER, Joshua M.; MCCARTHY, Andrew J.; JASEMIAN, Babak D.
(74) Griffith Hack

(71) Aristocrat Technologies, Inc.
(11) AU-A-2023210637
(21) 2023210637 (22) 03.08.2023
(54) SPACE-EFFICIENT GUI FOR FEATURE GAME DISPLAY
(51) Int. Cl.
A63F 13/69 (2014.01)
G07F 17/34 (2006.01)
(31) 17/930,610 (32) 08.09.22 (33) US
(43) 28.03.2024
(72) HONEYCUTT, Robert; HAWKINS, Ryan
(74) James & Wells Intellectual Property

(71) Aristocrat Technologies, Inc.
(11) AU-A-2023210638
(21) 2023210638 (22) 03.08.2023
(54) BARTOP GAMING DEVICE SYSTEMS AND METHODS
(51) Int. Cl.
A63F 13/90 (2014.01)
G07F 17/34 (2006.01)
(31) 18/341,564 (32) 26.06.23 (33) US
63/375,659 14.09.22 US
(43) 28.03.2024
(72) Dundaraddi, Kiran; Barbour, Timothy; Paulsen, Craig
(74) James & Wells Intellectual Property

(71) Aristocrat Technologies, Inc.
(11) AU-A-2023214253
(21) 2023214253 (22) 08.08.2023
(54) BARTOP GAMING DEVICE INCLUDING A LIFT ASSEMBLY FOR A BUTTON DECK
(51) Int. Cl.
G07F 17/32 (2006.01)
A63F 9/00 (2006.01)
(31) 18/350,652 (32) 11.07.23 (33) US
63/375,654 14.09.22 US
(43) 28.03.2024
(72) Dundaraddi, Kiran; Barbour, Timothy; McClearn, Victor
(74) James & Wells Intellectual Property

(71) Aristocrat Technologies, Inc.
(11) AU-A-2023214254
(21) 2023214254 (22) 08.08.2023
(54) ELECTRONIC GAMING SYSTEMS AND METHODS WITH PERSISTENT GAME TIERS
(51) Int. Cl.
A63F 13/50 (2014.01)
A63F 9/24 (2006.01)
A63F 13/25 (2014.01)
A63F 13/47 (2014.01)

A63F 13/52 (2014.01)
G07F 17/34 (2006.01)
(31) 17/957,859 (32) 30.09.22 (33) US
63/375,506 13.09.22 US
(43) 28.03.2024
(72) HONEYCUTT, Robert; BLAND, Adam
(74) James & Wells Intellectual Property

(71) Aristocrat Technologies, Inc.
(11) AU-A-2023214257
(21) 2023214257 (22) 08.08.2023
(54) ELECTRONIC GAMING SYSTEMS AND METHODS WITH MIXING AND MATCHING MULTIPLE METAMORPHICS AND BONUS GAME PICK FEATURE ENHANCEMENTS
(51) Int. Cl.
G07F 17/32 (2006.01)
A63F 13/69 (2014.01)
(31) 18/222,812 (32) 17.07.23 (33) US
63/375,183 09.09.22 US
(43) 28.03.2024
(72) WALSH, Kevin; MARSTON, Daniel; USS, Jeffrey
(74) James & Wells Intellectual Property

(71) Aristocrat Technologies, Inc.
(11) AU-A-2023216745
(21) 2023216745 (22) 14.08.2023
(54) ELECTRONIC GAMING SYSTEM EMPLOYING FOUR BASE GAMES AND A RANDOMLY ACTIVATED FEATURE
(51) Int. Cl.
G07F 17/32 (2006.01)
G07F 17/34 (2006.01)
(31) 18/356,057 (32) 20.07.23 (33) US
63/406,115 13.09.22 US
(43) 28.03.2024
(72) UBERUAGA, Christmas; DELEKTA, Scott; ENGLMAN, Allon
(74) Griffith Hack

(71) Aristocrat Technologies, Inc.
(11) AU-A-2023216786
(21) 2023216786 (22) 15.08.2023
(54) ELECTRONIC GAMING SYSTEMS AND METHODS WITH IMPROVED FEATURE GAME HAVING A USER PICK SELECTION
(51) Int. Cl.
G07F 17/32 (2006.01)
(31) 18/189,917 (32) 24.03.23 (33) US
63/375,512 13.09.22 US
(43) 28.03.2024
(72) LUDWICK, John; UBERUAGA, Christmas
(74) Griffith Hack

(71) Aristocrat Technologies, Inc.
(11) AU-A-2023222898
(21) 2023222898 (22) 30.08.2023
(54) VIRTUAL ELECTRONIC GAMING SYSTEMS AND METHODS
(51) Int. Cl.
G07F 17/34 (2006.01)
A63F 13/44 (2014.01)
G07F 17/32 (2006.01)

Applications Open to Public Inspection - Name Index cont'd

(31) 18/457,082 (32) 28.08.23 (33) US
63/375,029 08.09.22 US
(43) 28.03.2024
(72) CAMELIO, Mary; GILLIAM, David
(74) James & Wells Intellectual Property

(71) Aristocrat Technologies Australia Pty Limited
(11) AU-A-2024201494
(21) 2024201494 (22) 06.03.2024
(54) Gaming Machine with Gamble Option
(51) Int. Cl.
A63F 13/45 (2014.01)
(43) 28.03.2024
(62) 2022201103
(72) ROACH, Nick
(74) Griffith Hack

(71) Arkema France
(11) AU-A-2024201578
(21) 2024201578 (22) 08.03.2024
(54) Separation of gases from air
(51) Int. Cl.
B01D 46/10 (2006.01)
B01D 35/06 (2006.01)
B01D 53/04 (2006.01)
B01D 53/047 (2006.01)
(43) 28.03.2024
(62) 2020394572
(72) ORTIZ, Guillaume; PERSILLON, Quitterie
(74) Griffith Hack

ARS Pharmaceuticals Operations, Inc. see
Aegis Therapeutics, LLC
(21) 2024201523

(71) Ascendis Pharma Endocrinology Division A/S
(11) AU-A-2024201227
(21) 2024201227 (22) 23.02.2024
(54) Novel polymeric hGH prodrugs
(51) Int. Cl.
A61K 38/27 (2006.01)
A61P 43/00 (2006.01)
(43) 28.03.2024
(62) 2020270494
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Ashley Furniture Industries, LLC
(11) AU-A-2024201590
(21) 2024201590 (22) 11.03.2024
(54) TEXTILE DECK ASSEMBLY FOR FURNITURE ITEMS
(51) Int. Cl.
A47C 7/22 (2006.01)
A47C 7/02 (2006.01)
A47C 7/14 (2006.01)
A47C 7/28 (2006.01)

A47C 7/32 (2006.01)
A47C 7/35 (2006.01)
A47C 17/02 (2006.01)
(43) 28.03.2024
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(72) Ross, Thad D.; Messer, Gary L.; Robbins, Nathaniel B.
(74) envantage

(71) Asian Prime Sources Limited
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(21) 2023226632 (22) 04.09.2023
(54) Self-powered all terrain wheel
(51) Int. Cl.
B60K 7/00 (2006.01)
B60B 27/00 (2006.01)
B60T 1/06 (2006.01)
B60T 13/74 (2006.01)
F16D 65/14 (2006.01)
(31) 63/404,557 (32) 08.09.22 (33) US
(43) 28.03.2024
(72) LAMBERT, Jonathan Andrew George; CANN, Michael John
(74) FB Rice Pty Ltd

(71) Asian Prime Sources Limited
(11) AU-A-2023226674
(21) 2023226674 (22) 06.09.2023
(54) All-terrain electric wheelchair and corresponding assembly
(51) Int. Cl.
A61G 5/06 (2006.01)
A61G 5/04 (2013.01)
(31) 63/404558 (32) 08.09.22 (33) US
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(72) CANN, Michael John; STENT, Anthony Kevin; LAMBERT, Jonathan Andrew George
(74) FB Rice Pty Ltd

(71) Ati Properties LLC
(11) AU-A-2024201537
(21) 2024201537 (22) 07.03.2024
(54) High Temperature Titanium Alloys
(51) Int. Cl.
C22C 14/00 (2006.01)
C22F 1/18 (2006.01)
(43) 28.03.2024
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(11) AU-A-2024201476
(21) 2024201476 (22) 06.03.2024
(54) Cell therapy compositions and methods of use thereof
(51) Int. Cl.
C12Q 1/68 (2018.01)
A61K 38/00 (2006.01)
(43) 28.03.2024
(62) 2017311512
(72) Sullivan, Edmund; Westfall, Theresa
(74) Griffith Hack

(71) Avacta Life Sciences Limited
(11) AU-A-2024200938
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(54) PD-L1 binding affimers, and uses related thereto
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C07K 14/705 (2006.01)
A61K 38/17 (2006.01)
C07K 14/81 (2006.01)
(43) 28.03.2024
(62) 2019253221
(72) BASRAN, Amrik; JENKINS, Emma; ADAM, Estelle; WRITER, Michelle; STANLEY, Emma
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Avery Dennison Retail Information Services LLC
(11) AU-A-2024201469
(21) 2024201469 (22) 06.03.2024
(54) Integration of RFID technology into management of products
(51) Int. Cl.
G06Q 10/08 (2023.01)
G06K 19/077 (2006.01)
(43) 28.03.2024
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(72) ROTH, Mark W.
(74) AJ Pietras IP Limited

(71) AWL IN IP PTY LTD
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(21) 2022228162 (22) 08.09.2022
(54) A DRINKS CONTAINER
(51) Int. Cl.
B65D 47/06 (2006.01)
A45F 3/18 (2006.01)
A47G 19/22 (2006.01)
B65D 21/02 (2006.01)
B65D 47/12 (2006.01)
(43) 28.03.2024
(72) WALL, Alexander; PRICE, Reid; KEARNEY, Michael
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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(11) AU-A-2022291577
(21) 2022291577 (22) 22.12.2022
(54) A DRINKS CONTAINER
(51) Int. Cl.
B65D 47/06 (2006.01)
A45F 3/18 (2006.01)
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(72) WALL, Alexander; PRICE, Reid; KEARNEY, Michael
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(71) Bambino Prezioso Switzerland AG
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(21) 2024201634 (22) 13.03.2024

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B60N 2/28 (2006.01)
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(43) 28.03.2024
(62) 2022200460
(72) CHEN, Yingzhong
(74) James & Wells Intellectual Property

(71) BEIJING EACON TECHNOLOGY CO., LTD.
(11) AU-A-2022453597
(21) 2022453597 (22) 29.12.2022
(54) POSITIONING METHOD, APPARATUS, ELECTRONIC DEVICE AND STORAGE MEDIUM
(51) Int. Cl.
G01S 19/43 (2010.01)
G01S 5/02 (2010.01)
G01S 19/46 (2010.01)
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(43) 28.03.2024
(72) JIANG, Cheng
(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

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(21) 2023296339

(71) Beijing Tusen Zhitu Technology Co., Ltd.
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(21) 2023226683 (22) 06.09.2023
(54) Method and apparatus for modeling object, storage medium, and vehicle control method
(51) Int. Cl.
G06T 7/207 (2017.01)
G06T 17/00 (2006.01)
(31) 202211083337.4 (32) 06.09.22 (33) CN
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(74) FB Rice Pty Ltd

(71) Boston Scientific Scimed, Inc.
(11) AU-A-2024201505
(21) 2024201505 (22) 07.03.2024
(54) Medical device for treating compensated heart failure
(51) Int. Cl.
A61M 60/135 (2021.01)
A61M 25/00 (2006.01)
A61M 60/295 (2021.01)
A61M 60/515 (2021.01)
A61M 60/523 (2021.01)
A61M 60/531 (2021.01)
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(72) ANAND, Umang; MEREDITH, Ian
(74) Spruson & Ferguson

(71) Boston Scientific Scimed, Inc.
(11) AU-A-2024201604

(21) 2024201604 (22) 12.03.2024
(54) Inflatable penile prosthesis with channels in valve of guide assembly
(51) Int. Cl.
A61F 2/26 (2006.01)
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(62) 2020426683
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(74) Spruson & Ferguson

(71) Botaneco Inc.
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(21) 2024201629 (22) 13.03.2024
(54) Plant protein concentrates
(51) Int. Cl.
A23J 1/14 (2006.01)
A23J 1/00 (2006.01)
A23J 3/14 (2006.01)
A23K 10/30 (2016.01)
A23K 20/142 (2016.01)
A23K 50/80 (2016.01)
A23L 33/185 (2016.01)
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(62) 2019409901
(72) HARGREAVES, Jason; SHAFER, Kent; JAYAKUMAR, Abhimanyu
(74) FB Rice Pty Ltd

(71) CA Casyso GmbH
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(21) 2024201495 (22) 06.03.2024
(54) BLOOD TESTING SYSTEM AND METHOD
(51) Int. Cl.
A61M 25/00 (2006.01)
A61M 39/00 (2006.01)
A61M 39/06 (2006.01)
B01L 3/00 (2006.01)
G01N 33/00 (2006.01)
G01N 33/48 (2006.01)
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(62) 2022201777
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(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Cantor Index LLC
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(21) 2024201631 (22) 13.03.2024
(54) SYSTEM AND METHOD FOR PROVIDING A BLACKJACK GAME HAVING ADDITIONAL OPTIONS FOR A PLAYER
(51) Int. Cl.
A63F 1/00 (2006.01)
A63F 9/24 (2006.01)
(43) 28.03.2024
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(72) Asher, Joseph M.; Riches, Guy Iain Oliver; Findlay, Lewis C.
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) CATERPILLAR INC.
(11) AU-A-2023216804
(21) 2023216804 (22) 16.08.2023
(54) FLEET SIZE AND DISPATCH SCHEME OPTIMIZATION
(51) Int. Cl.
G06Q 10/0631 (2023.01)
G06Q 10/047 (2023.01)
G06Q 10/08 (2023.01)
G06Q 50/02 (2012.01)
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(31) 17/930,444 (32) 08.09.22 (33) US
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(74) FPA Patent Attorneys Pty Ltd

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(11) AU-A-2024201633
(21) 2024201633 (22) 13.03.2024
(54) SYSTEM FOR PROVIDING BETS REGARDING INTERMEDIATE POINTS IN A RACE EVENT USING FRACTIONAL TIMING
(51) Int. Cl.
A63F 9/24 (2006.01)
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(62) 2022200258
(72) Amaitis, Lee M.; Asher, Joseph M.; Miller, Kenneth L.; Rotondo, Peter C.
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Children's Hospital Medical Center
(11) AU-A-2024201465
(21) 2024201465 (22) 06.03.2024
(54) Colonic organoids and methods of making and using same
(51) Int. Cl.
C12N 5/00 (2006.01)
C07K 14/485 (2006.01)
C07K 14/50 (2006.01)
C07K 14/51 (2006.01)
(43) 28.03.2024
(62) 2021286289
(72) WELLS, James M.; MUNERA, Jorge Orlando
(74) FPA Patent Attorneys Pty Ltd

(71) Choon's Design LLC
(11) AU-A-2023216809
(21) 2023216809 (22) 16.08.2023
(54) BEAD WITH ORIENTATION FEATURES FOR BRUNNIAN LINKED ITEM
(51) Int. Cl.
A44C 27/00 (2006.01)
A44C 5/04 (2006.01)
A44C 25/00 (2006.01)
B65H 69/04 (2006.01)
D04C 7/00 (2006.01)
(31) 17/942,384 (32) 12.09.22 (33) US
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(72) Ng, Cheong Choon
(74) LAMINAR IP PTY LTD

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(11) AU-A-2024201354
(21) 2024201354 (22) 29.02.2024
(54) Anchor Assembly for Fastener
(51) Int. Cl.
F16B 13/08 (2006.01)
(43) 28.03.2024
(62) 2021232740
(72) McDuff, Pierre; Pollak, Alexandre; Nguyen, Lang
(74) Franke Hyland Pty Ltd

(71) Colgate-Palmolive Company
(11) AU-A-2024201602
(21) 2024201602 (22) 12.03.2024
(54) Oral treatment device, system and method
(51) Int. Cl.
A61C 19/06 (2006.01)
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(62) 2022202189
(72) BLOCH, Brian; TAN, Thuan Chong
(74) Spruson & Ferguson

(71) Commonwealth Scientific and Industrial Research Organisation
(11) AU-A-2024201499
(21) 2024201499 (22) 07.03.2024
(54) A PROCESS FOR EXTRACTING VAL-UES FROM LITHIUM SLAG
(51) Int. Cl.
C22B 7/04 (2006.01)
B09B 3/00 (2022.01)
C01B 33/00 (2006.01)
C01F 7/00 (2022.01)
(43) 28.03.2024
(62) 2018406693
(72) McDonald, Robbie Gordon
(74) PHILLIPS ORMONDE FITZPATRICK

(71) ConMed Corporation
(11) AU-A-2024201559
(21) 2024201559 (22) 08.03.2024
(54) Self-drilling suture anchor inserter
(51) Int. Cl.
A61B 17/04 (2006.01)
A61B 17/16 (2006.01)
A61B 17/17 (2006.01)
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(72) BRESLICH, Grady; BARBER, James; BOSWORTH, Adrian; GLADDISH Jr, Bennie Wayne; MILLER, Peter; SIEH, John K.
(74) Griffith Hack

(71) Conomos, P.
(11) AU-A-2023219980
(21) 2023219980 (22) 25.08.2023
(54) BAG FILLING MACHINE
(51) Int. Cl.
B65B 1/04 (2006.01)
B65G 65/06 (2006.01)
(31) 2022902633 (32) 12.09.22 (33) AU

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(72) Conomos, Peter
(74) TJIP Patents, Trade Marks & Designs

(71) Corn Products Development, Inc.
(11) AU-A-2024201600
(21) 2024201600 (22) 12.03.2024
(54) Use of steviol glycoside in malting
(51) Int. Cl.
C12C 1/027 (2006.01)
C12C 1/047 (2006.01)
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(62) 2018225152
(72) BAX JR., Fabio; GONCALVES AN-TUNES, Jose; MINAMIGUCHI, Marcelo
(74) Spruson & Ferguson

(71) Crown Equipment Corporation
(11) AU-A-2024201606
(21) 2024201606 (22) 12.03.2024
(54) SYSTEMS AND METHODS FOR OP-TICAL TARGET BASED INDOOR VEHICLE NAVIGATION
(51) Int. Cl.
G01C 15/04 (2006.01)
G01C 21/20 (2006.01)
G05D 1/02 (2020.01)
G06T 7/73 (2017.01)
(43) 28.03.2024
(62) 2019225801
(72) HAEUSLER, Ralf; PARK, Stuart; BELL, Mark
(74) Griffith Hack

(71) CSR Building Products Limited
(11) AU-A-2024201543
(21) 2024201543 (22) 07.03.2024
(54) Formwork System
(51) Int. Cl.
E04G 17/00 (2006.01)
E04B 1/38 (2006.01)
E04B 2/84 (2006.01)
E04G 11/00 (2006.01)
(43) 28.03.2024
(62) 2021282429
(72) Darwell, Stephen W.
(74) Griffith Hack

(71) Decisive Farming Corp.
(11) AU-A-2024201487
(21) 2024201487 (22) 06.03.2024
(54) Agronomy calculator tool and method
(51) Int. Cl.
G06Q 10/04 (2023.01)
A01C 1/00 (2006.01)
G06Q 50/02 (2012.01)
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(62) 2018250976
(72) COOLIDGE, Michael; SCHMALTZ, Remi; SCHMALTZ, Tasha; DONALD, Garth
(74) Spruson & Ferguson

(71) Deco IP Pty Ltd
(11) AU-A-2024201542
(21) 2024201542 (22) 07.03.2024

(54) Waterproof Wall Cladding
(51) Int. Cl.
E04F 13/08 (2006.01)
(43) 28.03.2024
(62) 2021229260
(72) Doonan, Ross
(74) ACROGON GROUP PTY LTD

(71) DePuy Synthes Products, Inc.
(11) AU-A-2024201511
(21) 2024201511 (22) 07.03.2024
(54) Intramedullary nail insertion handle
(51) Int. Cl.
A61B 17/72 (2006.01)
(43) 28.03.2024
(62) 2018203287
(72) MCMANUS, Joshua
(74) Spruson & Ferguson

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(21) 2024201533 (22) 07.03.2024
(54) Surgical templates with radio-opaque markings
(51) Int. Cl.
A61F 2/46 (2006.01)
A61B 17/17 (2006.01)
A61B 17/80 (2006.01)
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(72) SNYDER, Kristina; CAMPBELL, Christopher; LERAAEN, Jennifer
(74) Spruson & Ferguson

(71) Dexcom, Inc.
(11) AU-A-2024201501
(21) 2024201501 (22) 07.03.2024
(54) Transcutaneous analyte sensors, ap-plicators therefor, and associated meth-ods
(51) Int. Cl.
A61B 5/00 (2006.01)
A61B 5/145 (2006.01)
A61B 5/1486 (2006.01)
A61B 17/34 (2006.01)
(43) 28.03.2024
(62) 2021245266
(72) GRAY, John Michael; BLACKWELL, Jennifer; NEALE, Paul V.; ENG-LAND, Justen Deering; JONCICH, An-drew; BROCK, Cameron; SIMPSON, Peter C.; METZMAKER, Thomas; SHAH, Neel; KEMPKEY, Mark Douglas; CASTAGNA, Patrick John; TERRY, Warren; HALAC, Jason; GEORGE, Christian Michael Andre; APACIBLE, Daniel E.; BARRY, John Charles; WELLS, Maria Noel Brown; PIRONDINI, Kenneth; REINHARDT, Andrew Michael; WONG, Jason C.; GAGNON, Remy E.; DERENZY, Dav-id; KOPLIN, Randall Scott; BALDWIN, Alan; LEE, Young Woo; KELLER, Dav-id A.; HEUVEL, Louise Emma van den; SUTHERLAND, Carol Wood
(74) FB Rice Pty Ltd

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(11) AU-A-2022291664
(21) 2022291664 (22) 28.12.2022
(54) APPARATUS FOR MONITORING THE BIOLOGICAL CONDITION OF PREGNANT BREEDING CATTLE
(51) Int. Cl.
A01K 29/00 (2006.01)
A61B 5/01 (2006.01)
A61B 5/0245 (2006.01)
A61D 19/00 (2006.01)
G16H 50/20 (2018.01)
(31) 10-2022-0114345 (32) 08.09.22 (33) KR
(43) 28.03.2024
(72) PARK, Sang Hyon; PARK, Gil Yang; PARK, Won Yup; CHOI, Woo Young
(74) Griffith Hack

(71) Donaldson Company, Inc.
(11) AU-A-2024201486
(21) 2024201486 (22) 06.03.2024
(54) A spin-on fluid treatment device and methods
(51) Int. Cl.
B01D 35/30 (2006.01)
B01D 27/08 (2006.01)
(43) 28.03.2024
(62) 2018313998
(72) WILLEMS, Gert
(74) FPA Patent Attorneys Pty Ltd

(71) Duracell U.S. Operations, Inc.
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(21) 2024201536 (22) 07.03.2024
(54) Primary alkaline battery with integrated in-cell resistances
(51) Int. Cl.
H01M 4/42 (2006.01)
H01M 4/50 (2010.01)
H01M 6/06 (2006.01)
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(62) 2022215191
(72) POZIN, Michael; DEROOY, Brianna Rose; ISSAEV, Nikolai
(74) Griffith Hack

(71) Edwards Lifesciences Corporation
(11) AU-A-2024201630
(21) 2024201630 (22) 13.03.2024
(54) Sealing member for prosthetic heart valve
(51) Int. Cl.
A61F 2/24 (2006.01)
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(62) 2018275555
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(74) Spruson & Ferguson

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(11) AU-A-2022231674
(21) 2022231674 (22) 13.09.2022

(54) WASHING MACHINE DRAWER AND WASHING MACHINES INCLUDING SAME
(51) Int. Cl.
D06F 39/02 (2006.01)
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(72) MACHADO, Daniel Jacques
(74) Halfords IP

(71) ERX Pharmaceuticals Inc
(11) AU-A-2024201504
(21) 2024201504 (22) 07.03.2024
(54) Analogs of celastrol
(51) Int. Cl.
A61K 31/015 (2006.01)
A61K 31/56 (2006.01)
A61K 45/06 (2006.01)
C07J 63/00 (2006.01)
(43) 28.03.2024
(62) 2022204238
(72) MAZITSCHKE, Ralph; DING, Yanbing; SHEN, Kaisheng
(74) FPA Patent Attorneys Pty Ltd

(71) Eurodia Industrie; France Evaporation
(11) AU-A-2023219805
(21) 2023219805 (22) 21.08.2023
(54) Method for preparing lithium hydroxide, and facility for implementing the method
(51) Int. Cl.
C01D 15/02 (2006.01)
B01D 61/42 (2006.01)
C01D 1/30 (2006.01)
C01D 1/40 (2006.01)
C01D 15/06 (2006.01)
(31) 2208978 (32) 08.09.22 (33) FR
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(72) GONIN, Anne; LUTIN, Florence; CARDINEAUD, Arnaud
(74) GLMR

(71) European Molecular Biology Laboratory
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(21) 2024201484 (22) 06.03.2024
(54) High- Capacity Storage of Digital Information in DNA
(51) Int. Cl.
G06N 3/12 (2023.01)
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(72) Goldman, Nick; Birney, John
(74) Eagar & Associates Pty Ltd

(71) Fortra, LLC
(11) AU-A-2023204169
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(54) DATA COMMUNICATION WITH TRANSMISSION RATE ADJUSTMENT
(51) Int. Cl.
H04L 12/00 (2006.01)
(31) 17/944,402 (32) 14.09.22 (33) US
(43) 28.03.2024
(72) SCUNCIO, John Stephen
(74) Griffith Hack

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(21) 2023219805

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(11) AU-A-2024201507
(21) 2024201507 (22) 07.03.2024
(54) Audio decoder, audio encoder, method for providing a decoded audio signal, method for providing an encoded audio signal, audio stream, audio stream provider and computer program using a stream identifier
(51) Int. Cl.
G10L 19/16 (2013.01)
G10L 19/22 (2013.01)
(43) 28.03.2024
(62) 2022201458
(72) NEUENDORF, Max; FELIX, Matthias; HILDENBRAND, Matthias; SCHUSTER, Lukas; HOFMANN, Ingo; HERRMANN, Bernd; RETTELACH, Nikolaus
(74) Griffith Hack

(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(11) AU-A-2024201516
(21) 2024201516 (22) 07.03.2024
(54) Audio decoder, audio encoder, method for providing a decoded audio signal, method for providing an encoded audio signal, audio stream, audio stream provider and computer program using a stream identifier
(51) Int. Cl.
G10L 19/16 (2013.01)
G10L 19/22 (2013.01)
(43) 28.03.2024
(62) 2022201458
(72) NEUENDORF, Max; FELIX, Matthias; HILDENBRAND, Matthias; SCHUSTER, Lukas; HOFMANN, Ingo; HERRMANN, Bernd; RETTELACH, Nikolaus
(74) Griffith Hack

(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(11) AU-A-2024201519
(21) 2024201519 (22) 07.03.2024
(54) Audio decoder, audio encoder, method for providing a decoded audio signal, method for providing an encoded audio signal, audio stream, audio stream provider and computer program using a stream identifier
(51) Int. Cl.
G10L 19/16 (2013.01)
G10L 19/22 (2013.01)
(43) 28.03.2024
(62) 2022201458
(72) NEUENDORF, Max; FELIX, Matthias; HILDENBRAND, Matthias; SCHUSTER, Lukas; HOFMANN, Ingo; HERRMANN, Bernd; RETTELACH, Nikolaus
(74) Griffith Hack

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(11) AU-A-2024201619
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(54) Production of oversized adeno-associated vectors
(51) Int. Cl.
C12N 7/00 (2006.01)
A61K 48/00 (2006.01)
C12N 5/10 (2006.01)
C12N 15/864 (2006.01)
(43) 28.03.2024
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(72) KYOSTIO-MOORE, Sirkka; SOUZA, David; VINCENT, Karen
(74) Griffith Hack
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- (71) Google LLC
(11) AU-A-2024200652
(21) 2024200652 (22) 02.02.2024
(54) USER MEDIATION FOR HOT-WORD/KEYWORD DETECTION
(51) Int. Cl.
G10L 15/22 (2006.01)
G10L 15/065 (2013.01)
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G10L 15/16 (2006.01)
(43) 28.03.2024
(62) 2020466345
(72) KRACUN, Aleks; SUBRAHMANYA, Nirajan; SHAH, Aishanee
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Google LLC
(11) AU-A-2024201509
(21) 2024201509 (22) 07.03.2024
(54) PROACTIVE CACHING OF ASSISTANT ACTION CONTENT AT A CLIENT DEVICE TO ENABLE ON-DEVICE RESOLUTION OF SPOKEN OR TYPED UTTERANCES
(51) Int. Cl.
G10L 15/22 (2006.01)
(43) 28.03.2024
(62) 2022218466
(72) KOTHARI, Luv; CHENG, Steve; BURAKOV, Denis; GOLIKOV, Michael; MIRELMANN, Lucas; BEHZADI, Behshad; HORLING, Bryan Christopher; HUO, Lan; SABUR, Zaheed; COTTING, Daniel; VLASYUK, Bohdan; BERTSCHLER, Mario; NAZAROV, Sergey
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) GOOGLE LLC
(11) AU-A-2024201618
(21) 2024201618 (22) 12.03.2024
(54) QUANTUM COMPUTING WITH KERNEL METHODS FOR MACHINE LEARNING
(51) Int. Cl.
G06N 20/10 (2019.01)
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(72) MCCLEAN, Jarrod Ryan; HUANG, Hsin-Yuan
(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Grip Holdings LLC
(11) AU-A-2024201526
(21) 2024201526 (22) 07.03.2024
(54) Anti-slip fastener remover tool
(51) Int. Cl.
B25B 23/10 (2006.01)
B25B 13/06 (2006.01)
B25B 15/00 (2006.01)
(43) 28.03.2024
(62) 2023237134
(72) KUKUCKA, Paul; KUKUCKA, Thomas Stefan
(74) A.P.T. Patent and Trade Mark Attorneys
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- (71) Gruppo Bertolaso S.p.a.
(11) AU-A-2023226791
(21) 2023226791 (22) 09.09.2023
(54) Filling valve group for a filling machine
(51) Int. Cl.
B67C 3/26 (2006.01)
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(31) 102022000018600 (32) 12.09.22 (33) IT
(43) 28.03.2024
(72) MAZZON, Giovanni; RIGONI, Lorenzo; STELLA, Gianluca; GALIMBERTI, Enrico
(74) A.P.T. Patent and Trade Mark Attorneys
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- (71) Guangdong Neat Packaging Co., LTD.
(11) AU-A-2023208218
(21) 2023208218 (22) 29.07.2023
(54) Spray pump
(51) Int. Cl.
B05B 11/02 (2023.01)
B65D 83/14 (2006.01)
(31) 202222417761X (32) 13.09.22 (33) CN
(43) 28.03.2024
(72) MEI, Yuanhong; ZENG, Zhiyun
(74) A.P.T. Patent and Trade Mark Attorneys
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- (71) Guangdong Oppo Mobile Telecommunications Corp., Ltd.
(11) AU-A-2024201491
(21) 2024201491 (22) 06.03.2024
(54) Image decoding method and apparatus relying on intra prediction in image coding system
(51) Int. Cl.
H04N 19/593 (2014.01)
H04N 19/105 (2014.01)
H04N 19/14 (2014.01)
H04N 19/176 (2014.01)
(43) 28.03.2024
(62) 2022252821
(72) HEO, Jin
(74) Spruson & Ferguson
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- (71) Gyrus Medical Limited
(11) AU-A-2023226638
(21) 2023226638 (22) 05.09.2023
(54) Rotary shaver arrangement for a surgical instrument
(51) Int. Cl.
A61B 17/32 (2006.01)
A61B 18/14 (2006.01)
(31) 63/404821 (32) 08.09.22 (33) US
(43) 28.03.2024
(72) DICKSON, James Alan
(74) FB Rice Pty Ltd
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- (71) H. Lundbeck A/S
(11) AU-A-2024201450
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(54) Antibodies specific for hyperphosphorylated tau and methods of use thereof
(51) Int. Cl.
C07K 16/18 (2006.01)
A61K 39/395 (2006.01)
A61K 49/00 (2006.01)
A61P 25/28 (2006.01)
G01N 33/68 (2006.01)
A61K 39/00 (2006.01)
(43) 28.03.2024
(62) 2017295608
(72) PEDERSEN, Jan Torleif; KJÆRGAARD, Kristian; PEDERSEN, Lars Østergaard; ASUNI, Abdur-Rasheed; ROSENQVIST, Nina Helen; DAECHSEL, Justus Claus Alfred; JUHL, Karsten; TAGMOSE, Lena; MARIGO, Mauro; JENSEN, Thomas; CHRISTENSEN, Søren; DAVID, Laurent; VOLBRACHT, Christiane; HELBO, Lone
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(21) 2023203051
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(11) AU-A-2024201581
(21) 2024201581 (22) 08.03.2024
(54) A Trailer for a Vehicle
(51) Int. Cl.
B62D 53/06 (2006.01)
(43) 28.03.2024
(62) 2017261466
(72) Murphy, David Alan
(74) Adrian M Trioli Patent and Trade Mark Attorney
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- (71) Heraeus Medical GmbH
(11) AU-A-2023223002
(21) 2023223002 (22) 01.09.2023
(54) COMPOSITION FOR PRODUCING A BONE REPLACEMENT MATERIAL, METHOD FOR PRODUCING A PHARMACEUTICAL EXCIPIENT, PHARMACEUTICAL EXCIPIENT, AND USE THEREOF
(51) Int. Cl.

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A61L 24/04 (2006.01)
A61K 31/343 (2006.01)
A61K 31/4196 (2006.01)
A61K 31/496 (2006.01)
A61K 31/665 (2006.01)
A61K 31/7036 (2006.01)
A61K 31/7048 (2006.01)
A61K 38/14 (2006.01)
A61L 24/02 (2006.01)
A61P 31/10 (2006.01)
(31) 22194533.0 **(32)** 08.09.22 **(33)** EP
(43) 28.03.2024
(72) VOGT, Sebastian; KLUGE, Thomas
(74) Spruson & Ferguson

(71) HID Projects Pty Ltd
(11) AU-A-2023226706
(21) 2023226706 **(22)** 06.09.2023
(54) TIE DOWN DEVICE
(51) Int. Cl.
A44B 11/06 (2006.01)
A44B 11/04 (2006.01)
(31) 2022902615 **(32)** 09.09.22 **(33)** AU
(43) 28.03.2024
(72) Holliday, Peter
(74) Integrated IP

(71) HINGE HEALTH, INC.
(11) AU-A-2024201292
(21) 2024201292 **(22)** 27.02.2024
(54) PATIENT-CENTERED MUSCULO-SKELETAL (MSK) CARE SYSTEM AND ASSOCIATED PROGRAMS FOR THERAPIES FOR DIFFERENT ANATOMICAL REGIONS
(51) Int. Cl.
G16H 20/30 (2018.01)
A63B 71/00 (2006.01)
G16H 10/60 (2018.01)
(43) 28.03.2024
(62) 2022218177
(72) HUNTER, Simon; PEREZ, Daniel; MECKLENBURG, Gabriel; REMAK, Avigail; PLETCHER, Charles; KINSELLA, Rose
(74) RnB IP Pty Ltd

(71) Histide AG
(11) AU-A-2024200055
(21) 2024200055 **(22)** 04.01.2024
(54) COMPOUNDS FOR INDUCING TISSUE FORMATION AND USES THEREOF
(51) Int. Cl.
C07K 7/64 (2006.01)
A61K 38/12 (2006.01)
A61K 38/18 (2006.01)
C07K 14/51 (2006.01)
(43) 28.03.2024
(62) 2021254652
(72) Zouani, Omar F.
(74) Michael Buck IP

(71) Horizon Global Americas Inc.
(11) AU-A-2024201540
(21) 2024201540 **(22)** 07.03.2024

(54) COMBINATION OF TRAILER BRAKING AND LIGHTING FUNCTIONS
(51) Int. Cl.
B60T 7/20 (2006.01)
B60Q 1/30 (2006.01)
B60T 13/66 (2006.01)
B60T 17/22 (2006.01)
(43) 28.03.2024
(62) 2017326536
(72) Cekola, Nicholas Albert; Morse, Dennis Michael; Hoot, Marvin; Chen, Yilong; Kadudula, Srikanth; Bogdanov, Leon; Moore, George
(74) Jones Tulloch

(71) Horizon Global Americas Inc.
(11) AU-A-2024201548
(21) 2024201548 **(22)** 07.03.2024
(54) DRIVER AND DIAGNOSTIC SYSTEM FOR A BRAKE CONTROLLER
(51) Int. Cl.
B60T 8/17 (2006.01)
B60T 8/32 (2006.01)
(43) 28.03.2024
(62) 2017326530
(72) Cekola, Nicholas Albert; Morse, Dennis Michael; Hoot, Marvin; Chen, Yilong; Kadudula, Srikanth
(74) Jones Tulloch

(71) Horizon Global Americas Inc.
(11) AU-A-2024201549
(21) 2024201549 **(22)** 07.03.2024
(54) TRAILER BRAKE CONTROL UNIT CONTROLS AND COMMUNICATIONS
(51) Int. Cl.
B60T 13/66 (2006.01)
B60T 7/08 (2006.01)
B60T 13/74 (2006.01)
(43) 28.03.2024
(62) 2017326531
(72) Cekola, Nicholas Albert; Morse, Dennis Michael; Kadudula, Srikanth
(74) Jones Tulloch

(71) Huawei Technologies Co., Ltd.
(11) AU-A-2024201576
(21) 2024201576 **(22)** 08.03.2024
(54) A VIDEO ENCODER, A VIDEO DECODER AND CORRESPONDING METHODS
(51) Int. Cl.
H04N 19/96 (2014.01)
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(62) 2023206208
(72) Gao, Han; Esenlik, Semih; Chen, Jianle; Zhao, Zhijie; Kotra, Anand Meher; Wang, Biao
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.
(11) AU-A-2024201605
(21) 2024201605 **(22)** 12.03.2024
(54) RESOURCE ALLOCATION SIGNALING IN A WIRELESS LOCAL AREA NETWORK PREAMBLE
(51) Int. Cl.

H04W 72/12 (2023.01)
H04W 84/12 (2009.01)
(43) 28.03.2024
(62) 2020420882
(72) Redlich, Oded; Tsodik, Genadiy; Shilo, Shimon; Hu, Mengshi; Yu, Jian
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.
(11) AU-A-2024201611
(21) 2024201611 **(22)** 12.03.2024
(54) COMMUNICATION METHOD APPLIED TO MULTI-LINK DEVICE IN WIRELESS LOCAL AREA NETWORK, AND DEVICE
(51) Int. Cl.
H04W 76/11 (2018.01)
(43) 28.03.2024
(62) 2021243081
(72) Gan, Ming; Zhou, Yifan; Liang, Dandan; Yu, Jian; Li, Yunbo; Guo, Yuchen
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.
(11) AU-A-2024201621
(21) 2024201621 **(22)** 13.03.2024
(54) INTRA PREDICTION METHOD AND APPARATUS FOR VIDEO SEQUENCE
(51) Int. Cl.
H04N 19/176 (2014.01)
H04N 19/103 (2014.01)
H04N 19/117 (2014.01)
H04N 19/159 (2014.01)
(43) 28.03.2024
(62) 2020264569
(72) Zhao, Yin; Yang, Haitao; Chen, Jianle
(74) PHILLIPS ORMONDE FITZPATRICK

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(21) 2023296339

(71) Illumina, Inc.
(11) AU-A-2024201471
(21) 2024201471 **(22)** 06.03.2024
(54) Sequence-Detection System
(51) Int. Cl.
C12Q 1/48 (2006.01)
B05D 5/12 (2006.01)
C12Q 1/68 (2018.01)
G01N 27/00 (2006.01)
G01N 30/02 (2006.01)
(43) 28.03.2024
(62) 2021254593
(72) MANDELL, Jeffrey G; GUNDERSON, Kevin L; KEEHAN, Michael Gregory; GARCIA, Erin Christine; GUNDLACH, Jens H.
(74) WRAYS PTY LTD

(71) Intellia Therapeutics, Inc.
(11) AU-A-2024201464
(21) 2024201464 **(22)** 06.03.2024
(54) Compositions and methods for treating alpha-1 antitrypsin deficiency
(51) Int. Cl.

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C12N 15/113 (2010.01)

(43) 28.03.2024

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(72) Odate, Shobu; Strapps, Walter; Lescar-beau, Reynald Michael

(74) Davies Collison Cave Pty Ltd

(71) Janssen Biopharma, Inc.

(11) AU-A-2024201485

(21) 2024201485 (22) 06.03.2024

(54) Modified oligonucleotides and methods of use

(51) Int. Cl.

C12N 15/113 (2010.01)**A61K 31/712** (2006.01)**A61K 31/7125** (2006.01)**C07H 21/02** (2006.01)

(43) 28.03.2024

(62) 2017326372

(72) GRYAZNOV, Sergei; BEIGELMAN, Leonid; HONG, Jin; RAJWANSHI, Vivek; MARTÍNEZ-MONERO, Saúl

(74) Spruson & Ferguson

(71) Jemella Limited

(11) AU-A-2024201467

(21) 2024201467 (22) 06.03.2024

(54) Apparatus and method for drying hair

(51) Int. Cl.

A45D 1/06 (2006.01)**A45D 2/00** (2006.01)

(43) 28.03.2024

(62) 2021290311

(72) Boateng, Eric; Weatherly, Robert; Law, Michelle Gin Hua

(74) Davies Collison Cave Pty Ltd

(71) Jenkins, A.

(11) AU-A-2023226797

(21) 2023226797 (22) 11.09.2023

(54) HAIR CLIP DEVICES

(51) Int. Cl.

A45D 8/30 (2006.01)

(31) 17/932,089 (32) 14.09.22 (33) US

(43) 28.03.2024

(72) Jenkins, Anthony

(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

(71) Jost-Werke Deutschland GmbH

(11) AU-A-2023226726

(21) 2023226726 (22) 07.09.2023

(54) Kingpin assembly

(51) Int. Cl.

B62D 53/08 (2006.01)**B60D 1/64** (2006.01)**B62D 53/12** (2006.01)

(31) 10 2022 123 057.0 (32) 09.09.22 (33) DE

(43) 28.03.2024

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(74) Spruson & Ferguson

(71) JOST-Werke Deutschland GmbH

(11) AU-A-2023226768

(21) 2023226768 (22) 08.09.2023

(54) Alignment system for approaching a vehicle to a target object spatially spaced therefrom

(51) Int. Cl.

B60D 1/36 (2006.01)

(31) 10 2022 003 318.6 (32) 09.09.22 (33) DE

(43) 28.03.2024

(72) MÜLLER, Mark; HABER, Steffen; ENDER, Yurtsever; KAUFHOLD, Benjamin; GITZEN, Stephan; JACOBS, Daniel

(74) FB Rice Pty Ltd

(71) JOY GLOBAL SURFACE MINING INC

(11) AU-A-2023226719

(21) 2023226719 (22) 07.09.2023

(54) Service tool

(51) Int. Cl.

B25B 27/00 (2006.01)**B25B 11/02** (2006.01)**E02F 3/30** (2006.01)**E21C 47/00** (2006.01)

(31) 63/405,217

(32) 09.09.22 (33) US

(43) 28.03.2024

(72) DUELLMAN, Mark

(74) Griffith Hack

(71) KDB INTELLECTUAL PTY LTD

(11) AU-A-2023222947

(21) 2023222947 (22) 31.08.2023

(54) ADJUSTABLE HINGE AND HINGE MOUNT

(51) Int. Cl.

E05D 7/04 (2006.01)**E05D 3/02** (2006.01)**E05D 5/02** (2006.01)

(31) 2022902510

(32) 01.09.22 (33) AU

(43) 28.03.2024

(72) EVERETT, Timothy Riva

(74) Oxygene IP

(71) Leviat AG

(11) AU-A-2023222883

(21) 2023222883 (22) 30.08.2023

(54) CONNECTING ASSEMBLY FOR THE FORCE-TRANSMITTING ATTACHMENT OF A FIRST FORCE-ABSORBING STRUCTURAL PART TO A SECOND FORCE-ABSORBING STRUCTURAL PART, AND STRUCTURE

(51) Int. Cl.

E04B 1/38 (2006.01)**E04B 1/76** (2006.01)

(31) 20 2022 105 156.9 (32) 13.09.22 (33) DE

(43) 28.03.2024

(72) Keller, Tina; Heidolf, Thorsten

(74) Madderns Pty Ltd

(71) Lexur Limited

(11) AU-A-2024200615

(21) 2024200615 (22) 01.02.2024

(54) MATERIAL SHAPING METHOD AND SHAPED PRODUCTS

(51) Int. Cl.

C08J 9/228 (2006.01)**B29C 67/20** (2006.01)**B29C 70/68** (2006.01)

(43) 28.03.2024

(62) 2021253502

(72) WELLS, Felix Hugo

(74) James & Wells Intellectual Property

(71) LG Electronics Inc.

(11) AU-A-2024201463

(21) 2024201463 (22) 06.03.2024

(54) IMAGE ENCODING/DECODING METHOD AND APPARATUS FOR PERFORMING PREDICTION ON BASIS OF RECONFIGURED PREDICTION MODE TYPE OF LEAF NODE, AND BITSTREAM TRANSMISSION METHOD

(51) Int. Cl.

H04N 19/157 (2014.01)**H04N 19/119** (2014.01)**H04N 19/176** (2014.01)**H04N 19/184** (2014.01)**H04N 19/96** (2014.01)

(43) 28.03.2024

(62) 2020416341

(72) JANG, Hyeong Moon; NAM, Jung Hak

(74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.

(11) AU-A-2024201477

(21) 2024201477 (22) 06.03.2024

(54) Image decoding method for deriving weight index information for bi-prediction, 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)

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(72) PARK, Naeri; NAM, Junghak; JANG, Hyeongmoon

(74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.

(11) AU-A-2024201564

(21) 2024201564 (22) 08.03.2024

(54) Intra-prediction method, and encoder and decoder using same

(51) Int. Cl.

H04N 19/105 (2014.01)**H04N 19/10** (2014.01)**H04N 19/11** (2014.01)

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(72) Park, Joonyoung; Park, Seungwook; Lim, Jaehyun; Kim, Jungsun; Choi, Younghee; Jeon, Byeongmoon; Jeon, Yongjoon

(74) Davies Collison Cave Pty Ltd

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(11) AU-A-2024201566
(21) 2024201566 (22) 08.03.2024
(54) Anti-reflective coatings on optical waveguides
(51) Int. Cl.
G02B 1/11 (2015.01)
G02B 1/08 (2006.01)
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(62) 2018379105
(72) PEROZ, Christophe; MESSER, Kevin
(74) Davies Collison Cave Pty Ltd

(71) Materialise N.V.; OBL SAS
(11) AU-A-2024201570
(21) 2024201570 (22) 08.03.2024
(54) FLEXIBLE POROUS IMPLANT FIXATION SYSTEM
(51) Int. Cl.
A61F 2/28 (2006.01)
(43) 28.03.2024
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(72) ADAM, Jérémy; GEEBELEN, Benjamin
(74) AJ PARK

(71) Merck Patent GmbH
(11) AU-A-2024201591
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(54) Methods and systems for automatic object recognition and authentication
(51) Int. Cl.
G06F 21/64 (2013.01)
H04L 9/32 (2006.01)
(43) 28.03.2024
(62) 2019264274
(72) ENDRESS, Thomas; SZABO, Daniel; BERKERMANN, Frederic
(74) Davies Collison Cave Pty Ltd

(71) Merck Sharp & Dohme LLC
(11) AU-A-2024201470
(21) 2024201470 (22) 06.03.2024
(54) Pneumococcal polysaccharides and their use in immunogenic polysaccharide-carrier protein conjugates
(51) Int. Cl.
A61K 31/35 (2006.01)
A61K 31/715 (2006.01)
A61K 39/085 (2006.01)
C12P 19/04 (2006.01)
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(72) PORAMBO, Richard J.; ABEYGUNAWARDANA, Chitrananda; MUSEY, Luwy Kavuka; KOSINSKI, Michael J.; CUI, Yadong Adam
(74) Spruson & Ferguson

(71) Merck Sharp & Dohme LLC
(11) AU-A-2024201479
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(54) Pneumococcal polysaccharides and their use in immunogenic polysaccharide-carrier protein conjugates
(51) Int. Cl.
A61K 31/35 (2006.01)
A61K 31/715 (2006.01)
A61K 39/085 (2006.01)
C12P 19/04 (2006.01)
(43) 28.03.2024
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(72) PORAMBO, Richard J.; ABEYGUNAWARDANA, Chitrananda; MUSEY, Luwy Kavuka; KOSINSKI, Michael J.; CUI, Yadong Adam; SKINNER, Julie Marie
(74) Spruson & Ferguson

(71) Merck Sharp & Dohme LLC
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(21) 2024201517 (22) 07.03.2024
(54) Pneumococcal polysaccharides and their use in immunogenic polysaccharide-carrier protein conjugates
(51) Int. Cl.
A61K 31/35 (2006.01)
A61K 31/715 (2006.01)
A61K 39/085 (2006.01)
C12P 19/04 (2006.01)
(43) 28.03.2024
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(74) Spruson & Ferguson

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(11) AU-A-2024201518
(21) 2024201518 (22) 07.03.2024
(54) Pneumococcal polysaccharides and their use in immunogenic polysaccharide-carrier protein conjugates
(51) Int. Cl.
A61K 31/35 (2006.01)
A61K 31/715 (2006.01)
A61K 39/085 (2006.01)
C12P 19/04 (2006.01)
(43) 28.03.2024
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(72) PORAMBO, Richard J.; ABEYGUNAWARDANA, Chitrananda; MUSEY, Luwy Kavuka; KOSINSKI, Michael J.; CUI, Yadong Adam; MCHUGH, Patrick; KONIETZKO, Janelle
(74) Spruson & Ferguson

(71) Merlo Project S.r.l.
(11) AU-A-2023229537
(21) 2023229537 (22) 14.09.2023
(54) A MULTIFUNCTIONAL LIFTING VEHICLE DESIGNED TO DETERMINE A LOAD DIAGRAM, AND RELATIVE METHOD
(51) Int. Cl.
B66F 9/06 (2006.01)
B66F 17/00 (2006.01)
(31) 102022000018777 (32) 14.09.22 (33) IT

(43) 28.03.2024
(72) Merlo, Amilcare; Contessini, Felice
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Minetec S.A.
(11) AU-A-2023229466
(21) 2023229466 (22) 11.09.2023
(54) MODELING PROCESS AND STRUCTURAL REPAIR OF A RAILWAY OR METAL CAR
(51) Int. Cl.
B61D 7/02 (2006.01)
B61D 7/28 (2006.01)
B61D 11/02 (2006.01)
B61D 17/04 (2006.01)
(31) 202202477 (32) 09.09.22 (33) CL
(43) 28.03.2024
(72) VERA TORRES, Bernardo Luis; ZAMORANO JONES, Claudio Devon
(74) Halfords IP

(71) MODULAR PLACES LIMITED
(11) AU-A-2023226749
(21) 2023226749 (22) 08.09.2023
(54) A BUILDING CONSTRUCTION SYSTEM
(51) Int. Cl.
E04B 7/02 (2006.01)
E04B 1/24 (2006.01)
E04B 2/72 (2006.01)
E04B 2/88 (2006.01)
E04B 2/96 (2006.01)
E04D 3/36 (2006.01)
E04D 13/158 (2006.01)
E04F 13/08 (2006.01)
(31) 2022902600 (32) 09.09.22 (33) AU
(43) 28.03.2024
(72) Brown, Alistair Gareth; Dravitzki, Katrina Louise
(74) Catalyst Intellectual Property

(71) MorphoSys AG
(11) AU-A-2024201503
(21) 2024201503 (22) 07.03.2024
(54) Clinical assessment of M-protein response in multiple myeloma
(51) Int. Cl.
C07K 16/42 (2006.01)
G01N 33/574 (2006.01)
(43) 28.03.2024
(62) 2017226960
(72) HÄRTLE, Stefan
(74) Spruson & Ferguson

NARI TECHNOLOGY CO.LTD see STATE GRID CORPORATION OF CHINA
(21) 2023296339

(71) National Steel Car Limited
(11) AU-A-2024201609
(21) 2024201609 (22) 12.03.2024
(54) Railroad car truck damper wedge fittings
(51) Int. Cl.
B61F 5/34 (2006.01)

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(62) 2019470817
(72) HEMATIAN, Jamal
(74) Spruson & Ferguson

(71) NEC Corporation
(11) AU-A-2024201525
(21) 2024201525 (22) 07.03.2024
(54) GATE SYSTEM, GATE APPARATUS, IMAGE PROCESSING METHOD THEREFOR, PROGRAM, AND ARRANGEMENT METHOD FOR GATE APPARATUS
(51) Int. Cl.
H04N 7/18 (2006.01)
G06F 21/32 (2013.01)
G06T 1/00 (2006.01)
G07C 9/00 (2020.01)
(43) 28.03.2024
(62) 2020435735
(72) OTANI, Takumi; INOUE, Junichi; TAKAHASHI, Sho
(74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd

(71) Neuraptive Therapeutics, Inc.
(11) AU-A-2024201594
(21) 2024201594 (22) 11.03.2024
(54) Device and method of creating a fluid containment field for administering therapeutics to a nerve
(51) Int. Cl.
A61F 2/02 (2006.01)
(43) 28.03.2024
(62) 2018308115
(72) JACKSON, David M.; TREVINO, Richard; HOFFMAN, Jordan A.
(74) Spruson & Ferguson

Novartis AG see The Scripps Research Institute
(21) 2024201492

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(21) 2023296339

(71) Nunhems B.V.
(11) AU-A-2022231691
(21) 2022231691 (22) 13.09.2022
(54) Cucumber Variety NUN 83071 CUL
(51) Int. Cl.
A01H 6/34 (2018.01)
A01H 1/00 (2006.01)
A01H 5/08 (2018.01)
(43) 28.03.2024
(72) Swinkels, Robert
(74) Davies Collison Cave Pty Ltd

(71) NVIDIA Corporation
(11) AU-A-2024201579
(21) 2024201579 (22) 08.03.2024
(54) Techniques for combining operations
(51) Int. Cl.
G06F 8/41 (2018.01)

G06F 9/46 (2006.01)
G06N 3/02 (2006.01)
(43) 28.03.2024
(62) 2022202702
(72) Surendran, Rishi; Ju, Dz-ching
(74) Davies Collison Cave Pty Ltd

OBL SAS see Materialise N.V.
(21) 2024201570

(71) Obrizum Group Ltd.
(11) AU-A-2023219798
(21) 2023219798 (22) 21.08.2023
(54) TRACKING CONCEPTS WITHIN CONTENT IN CONTENT MANAGEMENT SYSTEMS AND ADAPTIVE LEARNING SYSTEMS
(51) Int. Cl.
G06F 40/258 (2020.01)
G06F 16/34 (2019.01)
G06F 40/35 (2020.01)
G06N 5/00 (2023.01)
G06N 20/00 (2019.01)
(31) 17/930,643 (32) 08.09.22 (33) US
(43) 28.03.2024
(72) AGLEY, Chibeza Chintu; FINK, Juer-gen; ACHOURI, Sarra; HARIHARAN ANAND, Vishnu; CHADWICK, Matthew Jonathan
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) One Home Brands, Inc.
(11) AU-A-2024201563
(21) 2024201563 (22) 08.03.2024
(54) STABLE ANHYDROUS DISINFECTANT CONCENTRATE FORMULATION AND METHOD OF MAKING THE SAME
(51) Int. Cl.
C11D 11/00 (2006.01)
A01N 31/08 (2006.01)
C11D 1/14 (2006.01)
C11D 1/66 (2006.01)
C11D 3/04 (2006.01)
C11D 3/20 (2006.01)
C11D 17/00 (2006.01)
(43) 28.03.2024
(62) 2021254562
(72) Naqvi, Syed Humza; Harewood, Patrick Shane
(74) Pizzseys Patent and Trade Mark Attorneys Pty Ltd

(71) Ormco Corporation
(11) AU-A-2023226685
(21) 2023226685 (22) 06.09.2023
(54) Orthodontic appliances, attachments, systems including appliances and attachments, and methods for orthodontic appliance and attachment fabrication
(51) Int. Cl.
A61C 7/08 (2006.01)
A61C 7/10 (2006.01)
(31) 18/048,666 (32) 21.10.22 (33) US
29/866,462 13.09.22 US

(43) 28.03.2024
(72) TSAI, Evan Yifeng; GRANDE, Michael
(74) Spruson & Ferguson

(71) OXTI Pte Ltd
(11) AU-A-2022231717
(21) 2022231717 (22) 14.09.2022
(54) HIDDEN TOOL FOR ELECTRONIC DEVICE HOLDER
(51) Int. Cl.
B25B 13/48 (2006.01)
B25B 13/06 (2006.01)
B25B 15/00 (2006.01)
B25B 33/00 (2006.01)
B25F 1/00 (2006.01)
(43) 28.03.2024
(72) Ho, Chih-Feng
(74) Alfred Lei

(71) PCP Tactical, LLC
(11) AU-A-2024201318
(21) 2024201318 (22) 28.02.2024
(54) HIGH STRENGTH POLYMER-BASED CARTRIDGE CASING AND MANUFACTURING METHOD
(51) Int. Cl.
F42B 5/307 (2006.01)
F42B 5/313 (2006.01)
(43) 28.03.2024
(62) 2021232672
(72) Padgett, Charles
(74) RnB IP Pty Ltd

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(21) 2023274082

(71) Press-Seal Corporation
(11) AU-A-2023229520
(21) 2023229520 (22) 13.09.2023
(54) Lateral connector for underground pipes
(51) Int. Cl.
F16L 41/02 (2006.01)
F16L 25/00 (2006.01)
(31) 18/244619 (32) 11.09.23 (33) US
63/406298 14.09.22 US
(43) 28.03.2024
(72) Skinner, Daniel Krug; Gamble, Jimmy; Gunckel, Daniel Joseph
(74) Davies Collison Cave Pty Ltd

(71) Protein Dynamic Solutions, Inc.
(11) AU-A-2024201575
(21) 2024201575 (22) 08.03.2024
(54) Method and system for analysis of crystals and crystallization
(51) Int. Cl.
G01N 21/00 (2006.01)
G01N 21/17 (2006.01)
G01N 21/35 (2014.01)
(43) 28.03.2024
(62) 2018282883
(72) PASTRANA-RIOS, Belinda
(74) Spruson & Ferguson

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(71) PTL Opco LLC
 (11) AU-A-2024201628
 (21) 2024201628 (22) 13.03.2024
 (54) Drill-less method of fusing a sacroiliac joint
 (51) Int. Cl.
A61F 2/32 (2006.01)
 (43) 28.03.2024
 (62) 2020359012
 (72) LaNeve, Sean; Girsch, Charles; Girsch, Chris; Polzer, Dwayne
 (74) FPA Patent Attorneys Pty Ltd

QINGDAO ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE HAIER WATER HEATER CO., LTD. see QINGDAO HAIER NEW ENERGY APPLIANCE CO., LTD.
 (21) 2023203051

(71) QINGDAO HAIER NEW ENERGY APPLIANCE CO., LTD.; QINGDAO ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE HAIER WATER HEATER CO., LTD.; Zhengzhou Haier New Energy Technology Co., Ltd.; Haier Smart Home Co., Ltd.
 (11) AU-A-2023203051
 (21) 2023203051 (22) 16.05.2023
 (54) FOAMING METHOD AND DEVICE FOR WATER TANK OF WATER HEATER, WATER TANK AND HEAT-PUMP WATER HEATER
 (51) Int. Cl.
F24H 1/18 (2022.01)
B29C 44/18 (2006.01)
 (31) 2022111172523 (32) 14.09.22 (33) CN
 (43) 28.03.2024
 (72) Chen, Zhimin; Sun, Xiaolei; Long, Hao; Jia, Jia
 (74) Ellis Terry

(71) Qubitekk, Inc.
 (11) AU-A-2024201510
 (21) 2024201510 (22) 07.03.2024
 (54) Tunable Source Bi-Photons
 (51) Int. Cl.
G02F 1/35 (2006.01)
H04B 10/70 (2013.01)
 (43) 28.03.2024
 (62) 2021277701
 (72) Earl, Dennis Duncan
 (74) James & Wells Intellectual Property

(71) Radio Flyer Inc.
 (11) AU-A-2024201567
 (21) 2024201567 (22) 08.03.2024
 (54) Push-pull wagon
 (51) Int. Cl.
B62B 3/02 (2006.01)
B62B 3/00 (2006.01)
 (43) 28.03.2024
 (62) 2020337993
 (72) STURGEON, Samantha; OSTERGAARD, Collin; PADIAC, Scott
 (74) Spruson & Ferguson

(71) Regeneron Pharmaceuticals, Inc.
 (11) AU-A-2024200582
 (21) 2024200582 (22) 31.01.2024
 (54) NON-HUMAN ANIMALS HAVING AN ENGINEERED IMMUNOGLOBULIN LAMBDA LIGHT CHAIN LOCUS
 (51) Int. Cl.
A01K 67/027 (2006.01)
C07K 16/00 (2006.01)
C12N 15/85 (2006.01)
C12N 15/90 (2006.01)
 (43) 28.03.2024
 (62) 2017391167
 (72) Guo, Chunguang; Harris, Faith; Voronina, Vera; McWhirter, John; Levenkova, Natasha; Macdonald, Lynn; Tu, Naxin; Murphy, Andrew J.
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Regents of the University of Minnesota
 (11) AU-A-2024201513
 (21) 2024201513 (22) 07.03.2024
 (54) Compositions and methods for transplantation of colon microbiota
 (51) Int. Cl.
A61K 35/37 (2015.01)
A61P 1/00 (2006.01)
 (43) 28.03.2024
 (62) 2021221910
 (72) SADOWSKY, Michael J.; KHORUTS, Alexander; WEINGARDEN, Alexa R.; HAMILTON, Matthew J.
 (74) Spruson & Ferguson

(71) Relinia, Inc.
 (11) AU-A-2024201493
 (21) 2024201493 (22) 06.03.2024
 (54) Single-chain TNF receptor 2 agonist fusion proteins
 (51) Int. Cl.
C07K 14/525 (2006.01)
A61K 38/19 (2006.01)
A61P 25/00 (2006.01)
A61P 25/28 (2006.01)
A61P 29/00 (2006.01)
A61P 37/02 (2006.01)
 (43) 28.03.2024
 (62) 2022256166
 (72) FOSTER, David C.; GIEBEL, Lutz B.; PRESTA, Leonard G.
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

(71) Remix Therapeutics Inc.
 (11) AU-A-2024201568
 (21) 2024201568 (22) 08.03.2024
 (54) Pyridazine derivatives for modulating nucleic acid splicing
 (51) Int. Cl.
C07D 401/14 (2006.01)
A61K 31/501 (2006.01)
A61P 25/28 (2006.01)
A61P 35/00 (2006.01)
C07D 403/14 (2006.01)
C07D 451/04 (2006.01)
C07D 451/06 (2006.01)

(43) 28.03.2024
 (62) 2021228286
 (72) REYNOLDS, Dominic; SEILER, Michael Walker; AGRAWAL, Anant A.; VAILLANCOURT, Frederic; SMITH, Peter; HOPPER, Allen T.
 (74) Spruson & Ferguson

(71) Roy, P.
 (11) AU-A-2024201521
 (21) 2024201521 (22) 07.03.2024
 (54) Predictive traffic management system
 (51) Int. Cl.
G08G 1/00 (2006.01)
G08G 1/0968 (2006.01)
 (43) 28.03.2024
 (62) 2017417952
 (72) Roy, Prannoy
 (74) Griffith Hack

(71) Sacks, G.
 (11) AU-A-2022228160
 (21) 2022228160 (22) 08.09.2022
 (54) Improvements in Reproductive Medicine
 (51) Int. Cl.
G01N 33/50 (2006.01)
A61K 31/573 (2006.01)
A61K 31/727 (2006.01)
A61P 7/02 (2006.01)
A61P 15/08 (2006.01)
A61P 37/06 (2006.01)
G01N 33/569 (2006.01)
 (43) 28.03.2024
 (72) Sacks, Gavin
 (74) FB Rice Pty Ltd

(71) Scenic immunology B.V.
 (11) AU-A-2024201512
 (21) 2024201512 (22) 07.03.2024
 (54) Treating pathological conditions by direct and indirect targeting of Sirpα - CD47 Interaction
 (51) Int. Cl.
A61K 31/417 (2006.01)
A61K 39/00 (2006.01)
A61K 45/00 (2006.01)
A61P 9/10 (2006.01)
A61P 25/28 (2006.01)
A61P 31/00 (2006.01)
 (43) 28.03.2024
 (62) 2018308191
 (72) RAABEN, Matthijs; SCHEEREN, Ferenc Alexander; LOGTENBERG, Meike Emma Willemijn; BRUMMELKAMP, Thijn Reinout; SCHUMACHER, Antonius Nicolaas Maria; LEUSEN, Jeanette Henrica Wilhelmina
 (74) Spruson & Ferguson

(71) Selectivity SAS
 (11) AU-A-2024201489
 (21) 2024201489 (22) 06.03.2024
 (54) A device and a method to separate motile cells
 (51) Int. Cl.
C12N 5/076 (2010.01)

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- A61B 17/425** (2006.01)
A61D 19/00 (2006.01)
(43) 28.03.2024
(62) 2018223254
(72) Repetto, Herberto Ernesto Héctor
(74) ALLENS PATENT & TRADE MARK ATTORNEYS
-
- (71)** Sensile Medical AG
(11) AU-A-2023226628
(21) 2023226628 **(22)** 04.09.2023
(54) DRUG DELIVERY DEVICE
(51) Int. Cl.
A61M 5/142 (2006.01)
A61M 5/158 (2006.01)
(31) 22195657.6 **(32)** 14.09.22 **(33)** EP
(43) 28.03.2024
(72) Lagorgette, Pascal; Bürli, Fabian; Müller, Matthias; Kostal, Peer
(74) Madderns Pty Ltd
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- (71)** Sensile Medical AG
(11) AU-A-2023226631
(21) 2023226631 **(22)** 04.09.2023
(54) DRUG DELIVERY DEVICE
(51) Int. Cl.
A61M 5/142 (2006.01)
A61M 5/158 (2006.01)
(31) 22194978.7 **(32)** 09.09.22 **(33)** EP
(43) 28.03.2024
(72) Lagorgette, Pascal; Bürli, Fabian
(74) Madderns Pty Ltd
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- (71)** ServiceNow, Inc.
(11) AU-A-2024201569
(21) 2024201569 **(22)** 08.03.2024
(54) Codeless specification of software as a service integrations
(51) Int. Cl.
G06F 9/50 (2006.01)
G06F 9/54 (2006.01)
(43) 28.03.2024
(62) 2020350525
(72) KENKRE, Natasha Sandeep; KARAPPA, Virendra; MUDHELLI, Prashanth; JAIN, Rajat
(74) FPA Patent Attorneys Pty Ltd
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- (71)** Shandong University of Science and Technology
(11) AU-A-2023202719
(21) 2023202719 **(22)** 02.05.2023
(54) STATUS PERCEPTION DESCRIPTION METHOD FOR HYDRAULIC SUPPORT BASE GROUP ON WORKING FACE
(51) Int. Cl.
G06T 7/73 (2017.01)
G01B 11/00 (2006.01)
G01C 1/00 (2006.01)
G01S 17/06 (2006.01)
G06F 18/2131 (2023.01)
(31) 202211107584.3 **(32)** 13.09.22 **(33)** CN
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- (43)** 28.03.2024
(72) Meng, Zhaosheng; Zeng, Qingliang; Ma, Chen; Wan, Lirong; Gao, Kuidong; Zhang, Xin; Li, Qinghai; Zhao, Jinhai
(74) Madderns Pty Ltd
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- (71)** Shanghai Lide Biotech Co., Ltd.
(11) AU-A-2023202558
(21) 2023202558 **(22)** 27.04.2023
(54) Models and methods for rapid screening the efficacy of immunoregulating drugs
(51) Int. Cl.
C12N 11/084 (2020.01)
A01K 67/027 (2006.01)
C12N 5/09 (2010.01)
C12N 11/04 (2006.01)
C12Q 1/02 (2006.01)
(31) 202211066571.6 **(32)** 01.09.22 **(33)** CN
(43) 28.03.2024
(72) XIE, Bin; WEN, Danyi
(74) FB Rice Pty Ltd
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- (71)** Sharp Kabushiki Kaisha
(11) AU-A-2023200531
(21) 2023200531 **(22)** 02.02.2023
(54) Video decoding apparatus and video coding apparatus
(51) Int. Cl.
H04N 19/105 (2014.01)
H04N 19/167 (2014.01)
H04N 19/172 (2014.01)
(31) 2022-146436 **(32)** 14.09.22 **(33)** JP
(43) 28.03.2024
(72) Yasugi, Yukinobu; Ikai, Tomohiro; Aono, Tomoko
(74) Davies Collison Cave Pty Ltd
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- (71)** Shenzhen Neewer Technology Co. Ltd
(11) AU-A-2022231666
(21) 2022231666 **(22)** 12.09.2022
(54) NONFERROUS MAGNETIC FILTER SYSTEM
(51) Int. Cl.
H04N 23/55 (2023.01)
G02B 7/00 (2021.01)
G03B 17/56 (2021.01)
(43) 28.03.2024
(72) Wang, Jun; Ke, Yan
(74) Madderns Pty Ltd
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- (71)** Sliusenko, K.
(11) AU-A-2023254955
(21) 2023254955 **(22)** 25.10.2023
(54) Conveyor Pulley Lagging Wear Monitoring System
(51) Int. Cl.
B65G 43/02 (2006.01)
B65G 39/02 (2006.01)
F16H 55/38 (2006.01)
G01M 13/023 (2019.01)
(31) 2022902650 **(32)** 13.09.22 **(33)** AU
(43) 28.03.2024
(72) Sliusenko, Kyrlyo
(74) Kyrlyo Sliusenko
-
- (71)** Smith, B.
(11) AU-A-2023229485
(21) 2023229485 **(22)** 12.09.2023
(54) An automated vehicle exhaust fluid dosing system flushing system
(51) Int. Cl.
F01N 3/20 (2006.01)
(31) 2022902625 **(32)** 12.09.22 **(33)** AU
(43) 28.03.2024
(72) Smith, Bradley
(74) Patentec Patent Attorneys
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- (71)** Solubag SpA
(11) AU-A-2024201528
(21) 2024201528 **(22)** 07.03.2024
(54) Detergent composition in the form of a sheet
(51) Int. Cl.
C11D 1/00 (2006.01)
C11D 3/00 (2006.01)
C11D 17/06 (2006.01)
(43) 28.03.2024
(62) 2021261846
(72) BOETTCHER, Roberto Astete
(74) FB Rice Pty Ltd
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- (71)** Spray Nozzle Engineering Pty Ltd
(11) AU-A-2024201473
(21) 2024201473 **(22)** 06.03.2024
(54) High Pressure Spray Nozzle Assembly
(51) Int. Cl.
B05B 1/30 (2006.01)
A62C 31/02 (2006.01)
B05B 1/34 (2006.01)
B05B 15/00 (2018.01)
(43) 28.03.2024
(62) 2021257885
(72) Morgan, Sean; Morgan, Stuart
(74) Chrysiliou IP
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- (71)** Standard Bariatrics, Inc.
(11) AU-A-2024201596
(21) 2024201596 **(22)** 12.03.2024
(54) SYSTEMS AND METHODS FOR INSTALLING A SURGICAL BUTTRESS ON AN END EFFECTOR AND USING SAME
(51) Int. Cl.
A61B 17/064 (2006.01)
A61B 17/068 (2006.01)
A61B 17/115 (2006.01)
(43) 28.03.2024
(62) 2022264594
(72) DUNKI-JACOBS, Adam R.; THOMPSON, Jonathan R.; HAYWARD, Caleb J.
(74) James & Wells Intellectual Property
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- (71)** Standard Bariatrics, Inc.
(11) AU-A-2024201597
(21) 2024201597 **(22)** 12.03.2024
(54) End Effectors, Surgical Stapling Devices, And Methods Of Using Same
(51) Int. Cl.
A61B 17/72 (2006.01)

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(43) 28.03.2024
(62) 2022203136
(72) Thompson, Jonathan; Thompson, Ben; Nuchols, Richard P.; Ortiz, Mark Steven; Wampler, James
(74) James & Wells Intellectual Property

(71) STATE GRID CORPORATION OF CHINA; STATE GRID ECONOMIC AND TECHNOLOGICAL RESEARCH INSTITUTE CO., LTD; NR ELECTRIC CO., LTD.; XJ GROUP CORPORATION; NARI TECHNOLOGY CO.LTD; BEIJING SGITG ACCENTURE INFORMATION TECHNOLOGY CENTER CO., LTD.; HUAWEI TECHNOLOGY CO., LTD

(11) AU-A-2023296339
(21) 2023296339 (22) 16.08.2023
(54) MONITORING SYSTEM AND METHOD BASED ON DIGITAL CONVERTER STATION

(51) Int. Cl.
H04L 65/80 (2022.01)
H04N 5/265 (2006.01)
H04N 7/18 (2006.01)
H04W 28/00 (2009.01)

(31) 20221113105.9 (32) 14.09.22 (33) CN
(43) 28.03.2024

(72) JIN, Wei; WANG, Qing; GUO, Xian-shan; LYU, Jun; LIU, Siyuan; ZHANG, Xiang; WANG, Yanguo; ZHANG, Zhanguo; WANG, Haifeng; TONG, Chong; LI, Ming; CHENG, Wei; ZHAO, Ning; CHEN, Zhou; HOU, Xiaojun; ZHAO, Hanqing

(74) Madderns Pty Ltd

STATE GRID ECONOMIC AND TECHNOLOGICAL RESEARCH INSTITUTE CO., LTD see STATE GRID CORPORATION OF CHINA

(21) 2023296339

(71) Stilla Group Pty Ltd

(11) AU-A-2023219879
(21) 2023219879 (22) 23.08.2023
(54) Modular Shed

(51) Int. Cl.
E04H 1/00 (2006.01)
E04B 1/10 (2006.01)
E04B 1/19 (2006.01)
E04B 1/343 (2006.01)
E04B 1/348 (2006.01)
E04H 1/12 (2006.01)
E04B 1/24 (2006.01)
E04B 2/74 (2006.01)

(31) 2022902588 (32) 08.09.22 (33) AU

(43) 28.03.2024
(72) Thrush, Murray
(74) Michael Buck IP

(71) Stryker Corporation

(11) AU-A-2024201462
(21) 2024201462 (22) 06.03.2024
(54) Manifold for medical waste collection device

(51) Int. Cl.
A61M 1/00 (2006.01)
B01D 29/00 (2006.01)
B01D 29/44 (2006.01)
B01D 29/88 (2006.01)
B01D 35/28 (2006.01)
B01D 35/30 (2006.01)

(43) 28.03.2024

(62) 2021225258

(72) Gavlak, William; Grambergs, Richard; Fisher, Michael A.; Glatzer, Michael J.; Krevitt, Roland

(74) Davies Collison Cave Pty Ltd

(71) Takeda Pharmaceutical Company Limited

(11) AU-A-2024201506
(21) 2024201506 (22) 07.03.2024

(54) Protein biomarkers for diseases associated with the contact activation system

(51) Int. Cl.
G01N 33/68 (2006.01)

(43) 28.03.2024

(62) 2017325983

(72) SEXTON, Daniel J.; VISWANATHAN, Malini; FAUCETTE, Ryan; GAUR, Tripti

(74) Spruson & Ferguson

(71) Techtronic Cordless GP

(11) AU-A-2023219856
(21) 2023219856 (22) 22.08.2023

(54) Tape applicator

(51) Int. Cl.
B65H 35/04 (2006.01)
B05C 17/005 (2006.01)
B25J 5/00 (2006.01)
B25J 13/00 (2006.01)

(31) 17/931811 (32) 13.09.22 (33) US

(43) 28.03.2024

(72) DAHILL, Drew A.; HIRTZ, Ryan A.; LEE, Robert J.

(74) Spruson & Ferguson

(71) Techtronic Cordless GP

(11) AU-A-2023226629
(21) 2023226629 (22) 04.09.2023

(54) Wearable device having battery pack bank and adaptor

(51) Int. Cl.
H02J 7/00 (2006.01)
B25F 5/00 (2006.01)
H01M 10/6235 (2014.01)
H01M 50/20 (2021.01)
H01M 50/204 (2021.01)
H01M 50/247 (2021.01)

(31) 17/932,192 (32) 14.09.22 (33) US

(43) 28.03.2024

(72) CAGLE, Clint; FAULKNER, Adam; BARRIOS, Raony

(74) Spruson & Ferguson

(71) Techtronic Cordless GP

(11) AU-A-2023226780
(21) 2023226780 (22) 08.09.2023

(54) Connecting device and tool

(51) Int. Cl.
B25F 5/02 (2006.01)

B25B 21/00 (2006.01)

B25F 3/00 (2006.01)

(31) 202211401316.2 (32) 09.11.22 (33) CN
63/405,150 09.09.22 US

(43) 28.03.2024

(72) LAI, Zhan Liang; YE, Wen Qiang; AMICK, Ashley Bryan; SCHAAFSMA, Graham Mitchell

(74) Spruson & Ferguson

(71) Tenacious Holdings, Inc.

(11) AU-A-2023229552

(21) 2023229552 (22) 14.09.2023

(54) TETHERING POINT SYSTEM

(51) Int. Cl.
A45F 5/00 (2006.01)
B25G 1/10 (2006.01)

(31) 17/944,451 (32) 14.09.22 (33) US

(43) 28.03.2024

(72) Bohmbach, Nathan; Baronti, William; Behlmer, Carl; Ekdahl, Kevin

(74) PHILLIPS ORMONDE FITZPATRICK

(71) Tenfold Technologies, LLC

(11) AU-A-2024201475

(21) 2024201475 (22) 06.03.2024

(54) Methods and agricultural compositions for preventing or controlling plant diseases

(51) Int. Cl.
A01N 63/20 (2020.01)
C05F 11/08 (2006.01)

C12R 1/12 (2006.01)

(43) 28.03.2024

(62) 2018246232

(72) GUAN, Shaohua; RAJBANSHI, Shashi Shankar; HILL, Curtis Brian

(74) Spruson & Ferguson

(71) Thales

(11) AU-A-2023229476

(21) 2023229476 (22) 11.09.2023

(54) Trusted virtual machine with exceptional access authorization to prohibited resources

(51) Int. Cl.

G06F 21/53 (2013.01)
G06F 9/455 (2018.01)
G06F 9/50 (2006.01)
G06F 21/71 (2013.01)
H04L 41/28 (2022.01)

(31) 22 09171 (32) 13.09.22 (33) FR

(43) 28.03.2024

(72) VIGNERAS, Patrick; MOYNE, Thibault; LEMEUNIER, Pierrick; JUGUET, Pierre-Alexandre

(74) Davies Collison Cave Pty Ltd

(71) Thales Holdings UK Plc

(11) AU-A-2024201571

(21) 2024201571 (22) 08.03.2024

(54) A CASING FOR A TOWABLE SONAR APPARATUS AND A METHOD OF MANUFACTURING A CASING FOR A TOWABLE SONAR APPARATUS

(51) Int. Cl.
G01S 3/801 (2006.01)

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- B33Y 80/00** (2015.01)
G01S 7/521 (2006.01)
(43) 28.03.2024
(62) 2022204313
(72) HARDIE, David J. W.
(74) Griffith Hack
-
- (71)** The Chinese University of Hong Kong
(11) AU-A-2024201498
(21) 2024201498 **(22)** 07.03.2024
(54) Analysis of cell-free DNA in urine and other samples
(51) Int. Cl.
C12Q 1/68 (2018.01)
(43) 28.03.2024
(62) 2021203359
(72) LO, Yuk-Ming Dennis; CHIU, Rossa Wai Kwun; CHAN, Kwan Chee; JIANG, Peiyong; CHENG, Hua Tse Timothy
(74) Griffith Hack
-
- (71)** The NOCO Company
(11) AU-A-2024201482
(21) 2024201482 **(22)** 06.03.2024
(54) LITHIUM ION BATTERY CELL BALANCING SYSTEM AND METHOD, AND A BATTERY CHARGING DEVICE WITH LITHIUM ION BATTERY CELL BALANCING
(51) Int. Cl.
H02J 7/04 (2006.01)
B60L 58/10 (2019.01)
B60L 58/12 (2019.01)
B60L 58/14 (2019.01)
B60L 58/15 (2019.01)
B60L 58/22 (2019.01)
(43) 28.03.2024
(62) 2021283208
(72) MCBRIDE, James P.; SIMON, Daniel L.; STANFIELD, James Richard
(74) Griffith Hack
-
- (71)** The Procter & Gamble Company
(11) AU-A-2024201620
(21) 2024201620 **(22)** 12.03.2024
(54) Oral care compositions comprising fluoride ions
(51) Int. Cl.
A61K 8/02 (2006.01)
A61K 8/19 (2006.01)
A61K 8/21 (2006.01)
A61K 8/81 (2006.01)
A61Q 11/00 (2006.01)
(43) 28.03.2024
(62) 2022271450
(72) BAIG, Arif Ali; GORDON, Gregory Charles; MAO, Min; PAYNE, Melissa Cherie; RAUCKHORST, Holly Balasubramanian; SAGEL, Paul Albert; SWARTZ, Jeanette Marie; TROKHAN, Paul Dennis; CROLL, Brian Patrick; NYANGIRO, Dinah Achola; ST. JOHN, Samuel James
(74) Griffith Hack
-
- (71)** The Regents of the University of California
(11) AU-A-2024201483
(21) 2024201483 **(22)** 06.03.2024
(54) Methods for improving the tissue sealing properties of hydrogels and the use thereof
(51) Int. Cl.
A61L 27/52 (2006.01)
A61L 27/18 (2006.01)
A61L 27/20 (2006.01)
A61L 27/22 (2006.01)
C07K 14/78 (2006.01)
(43) 28.03.2024
(62) 2020280018
(72) SHEIKHI, Amir; ANNABI, Nasim; KHADEMHOSEINI, Alireza
(74) Spruson & Ferguson
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- (71)** The Scripps Research Institute; The Trustees of the University of Pennsylvania; Novartis AG
(11) AU-A-2024201492
(21) 2024201492 **(22)** 06.03.2024
(54) Treatment of cancer using GFR alpha-4 chimeric antigen receptor
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 35/17 (2015.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 14/705 (2006.01)
C07K 14/725 (2006.01)
C07K 16/30 (2006.01)
(43) 28.03.2024
(62) 2021203514
(72) Siegel, Donald L.; Milone, Michael C.; Bhoj, Vijay; Rader, Christoph
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- The Trustees of the University of Pennsylvania see The Scripps Research Institute**
(21) 2024201492
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- (71)** Transportation IP Holdings, LLC
(11) AU-A-2023216845
(21) 2023216845 **(22)** 17.08.2023
(54) CLAMP ASSEMBLY
(51) Int. Cl.
E01B 29/17 (2006.01)
B25B 5/06 (2006.01)
B61D 45/00 (2006.01)
B61D 47/00 (2006.01)
(31) 18/365,103 **(32)** 03.08.23 **(33)** US
63/404,670 08.09.22 US
(43) 28.03.2024
(72) VanderLinden, Michael; Bachman, Mark; Wellings, Norman
(74) PHILLIPS ORMONDE FITZPATRICK
-
- (71)** Transportation IP Holdings, LLC
(11) AU-A-2023216874
(21) 2023216874 **(22)** 18.08.2023
(54) RAIL THREAD BOX ASSEMBLY
(51) Int. Cl.
-
- E01B 29/16** (2006.01)
B65G 13/00 (2006.01)
E01B 29/17 (2006.01)
E01B 31/02 (2006.01)
(31) 18/365,072 **(32)** 03.08.23 **(33)** US
63/404,741 08.09.22 US
(43) 28.03.2024
(72) VanderLinden, Michael; Bachman, Mark; Wellings, Norman
(74) PHILLIPS ORMONDE FITZPATRICK
-
- (71)** TRINA SOLAR CO., LTD
(11) AU-A-2023278065
(21) 2023278065 **(22)** 08.05.2023
(54) PROFILE COMPONENT, PROFILE, PROFILE REINFORCEMENT, PHOTO-VOLTAIC MODULE FRAME AND PHOTOVOLTAIC SYSTEM
(51) Int. Cl.
H02S 30/10 (2014.01)
H02S 20/10 (2014.01)
H02S 20/20 (2014.01)
(31) 202222416211.6 **(32)** 13.09.22 **(33)** CN
(43) 28.03.2024
(72) XU, Jianmei
(74) Davies Collison Cave Pty Ltd
-
- (71)** Utopus Insights, Inc.
(11) AU-A-2024201565
(21) 2024201565 **(22)** 08.03.2024
(54) Scalable systems and methods for assessing healthy condition scores in renewable asset management
(51) Int. Cl.
F03D 17/00 (2016.01)
F03D 7/04 (2006.01)
G01D 18/00 (2006.01)
G06N 3/08 (2023.01)
G06N 5/02 (2023.01)
G06N 20/00 (2019.01)
(43) 28.03.2024
(62) 2020417285
(72) VISWESWARIAH, Chandramouli; TOGHILL, Lars; IGBA, Joel; DESAI, Neil; KIM, Younghun; WANG, Yajuan
(74) Spruson & Ferguson
-
- (71)** VARONIS SYSTEMS, INC.
(11) AU-A-2022432100
(21) 2022432100 **(22)** 13.09.2022
(54) ORGANIZATION SEGMENTATION FOR ANOMALY DETECTION
(51) Int. Cl.
H04W 24/00 (2009.01)
(43) 28.03.2024
(72) NEYSTADT, John Eugene; GILGURT, Evgeny; GROSSMAN, Igor; KATZ, Ori
(74) AJ Pietras IP Limited
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- (71)** Verrency Holdings Ltd.
(11) AU-A-2024201592
(21) 2024201592 **(22)** 11.03.2024
(54) Points-based payment system
(51) Int. Cl.
G06Q 30/02 (2023.01)
G06Q 20/22 (2012.01)
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(43) 28.03.2024
 (62) 2017410097
 (72) Link, David Cruzen; Walker, Euan
 Duncan; Cummins, Stephen John
 (74) Collison & Co

(71) Voice Life Inc.
 (11) AU-A-2024201585
 (21) 2024201585 (22) 10.03.2024
 (54) Receiver Device for Facilitating Wire-
 less Power Reception
 (51) Int. Cl.
H04W 12/06 (2021.01)
G06F 21/33 (2013.01)
 (43) 28.03.2024
 (62) 2019249357
 (72) SMITH, Robert; SMITH, Michael
 Hunter; LARK, David Lee
 (74) A.P.T. Patent and Trade Mark Attor-
 neys

(71) WA Drill Hire Pty Ltd
 (11) AU-A-2023229521
 (21) 2023229521 (22) 13.09.2023
 (54) Round Rod Singulator
 (51) Int. Cl.
E21B 19/14 (2006.01)
E21B 19/15 (2006.01)
 (31) 2022902664 (32) 14.09.22 (33) AU
 (43) 28.03.2024
 (72) Seed, Quenton; Bertola, Nathan
 (74) WRAYS PTY LTD

(71) Weir Slurry Group, Inc.
 (11) AU-A-2024201580
 (21) 2024201580 (22) 08.03.2024
 (54) DRIVE SIDE LINER FOR A CENTRI-
 FUGAL PUMP
 (51) Int. Cl.
F04D 29/42 (2006.01)
B25B 1/24 (2006.01)
F04D 7/04 (2006.01)
F04D 29/62 (2006.01)
F16B 2/10 (2006.01)
F16B 2/12 (2006.01)
 (43) 28.03.2024
 (62) 2021279210
 (72) KOSMICKI, Randy James
 (74) WEIR MINERALS AUSTRALIA LTD

(71) WUJIANG TIANLONG ELECTRONIC
 MACHINERY EQUIPMENT CO., LTD.
 (11) AU-A-2023226643
 (21) 2023226643 (22) 29.06.2023
 (54) EXPLOSION-PROOF SPIRAL EX-
 HAUST PRESSURE RELIEF DEVICE
 FOR MINE
 (51) Int. Cl.
F16K 24/04 (2006.01)
F16K 27/00 (2006.01)
 (31) 202211104375.3 (32) 09.09.22 (33) CN
 (43) 28.03.2024
 (72) WANG, Junhua; CHEN, Rui; HOU, Yan-
 dong
 (74) Alder IP Pty Ltd

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 GRID CORPORATION OF CHINA**
 (21) 2023296339

(71) YETI Coolers, LLC
 (11) AU-A-2024201531
 (21) 2024201531 (22) 07.03.2024
 (54) Container with magnetic closure
 (51) Int. Cl.
A45C 7/00 (2006.01)
B65D 5/00 (2006.01)
B65D 5/36 (2006.01)
B65D 6/00 (2006.01)
B65D 6/16 (2006.01)
B65D 6/18 (2006.01)
 (43) 28.03.2024
 (62) 2018230395
 (72) MUNIE, Jeffrey Charles; ROGERS,
 Kyle Edward; ABANTE, Edward;
 KELLER, Christopher M.; SULLIVAN,
 Derek G.; HOTCHKISS, Tobias
 (74) GLMR

(71) Zevra Denmark A/S
 (11) AU-A-2024201588
 (21) 2024201588 (22) 11.03.2024
 (54) Processes for preparing arimoclomol
 citrate and intermediates thereof
 (51) Int. Cl.
C07D 213/89 (2006.01)
A61K 31/4412 (2006.01)
A61P 25/00 (2006.01)
C07D 401/12 (2006.01)
 (43) 28.03.2024
 (62) 2021380947
 (72) ZHANG, Zhe; READ, Mark;
 CARSTENSEN, Elisabeth, Vang;
 POPPE, Marco; PELZ, Andreas
 (74) FB Rice Pty Ltd

**Zhengzhou Haier New Energy Technology
 Co., Ltd. see QINGDAO HAIER NEW EN-
 ERGY APPLIANCE CO., LTD.**
 (21) 2023203051

(71) ZURU (SINGAPORE) PTE. LTD.
 (11) AU-A-2024201481
 (21) 2024201481 (22) 06.03.2024
 (54) A LIQUID DISPENSING APPARATUS
 (51) Int. Cl.
F41B 9/00 (2006.01)
B05B 9/08 (2006.01)
 (43) 28.03.2024
 (62) 2019433970
 (72) MOWBRAY, Mathew Peter
 (74) AJ PARK

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2022228160	Sacks, G.	2023229552	Tenacious Holdings, Inc.
2022228162	AWL IN IP PTY LTD	2023254955	Sliusenko, K.
2022231666	Shenzhen Neewer Technology Co. Ltd	2023274082	APIX BIOSCIENCES; PHYTANT
2022231674	Electrolux do Brasil S.A.	2023278065	TRINA SOLAR CO., LTD
2022231691	Nunhems B.V.	2023296339	STATE GRID CORPORATION OF CHINA; STATE GRID ECONOMIC AND TECHNOLOGICAL RE-SEARCH INSTITUTE CO., LTD; NR ELECTRIC CO., LTD.; XJ GROUP CORPORATION; NARI TECHNOLOGY CO.LTD; BEIJING SGITG ACCENTURE INFORMATION TECHNOLOGY CENTER CO., LTD.; HUAWEI TECHNOLOGY CO., LTD
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2022232546	Acorn Intellectual Properties Ltd	2024200055	Histide AG
2022291577	AWL IN IP PTY LTD	2024200582	Regeneron Pharmaceuticals, Inc.
2022291664	DICSVISION CO., LTD.	2024200615	Lexur Limited
2022432100	VARONIS SYSTEMS, INC.	2024200652	Google LLC
2022453597	BEIJING EACON TECHNOLOGY CO., LTD.	2024200938	Avacta Life Sciences Limited
2023200531	Sharp Kabushiki Kaisha	2024201227	Ascendis Pharma Endocrinology Division A/S
2023202558	Shanghai Lide Biotech Co., Ltd.	2024201292	HINGE HEALTH, INC.
2023202719	Shandong University of Science and Technology	2024201318	PCP Tactical, LLC
2023202965	Advanced Lithium Electrochemistry Co., Ltd.	2024201354	COBRA FIXATIONS CIE LTEE - COBRA ANCHORS CO. LTD
2023203051	QINGDAO HAIER NEW ENERGY APPLIANCE CO., LTD.; QINGDAO ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE HAIER WATER HEATER CO., LTD.; Zhengzhou Haier New Energy Technology Co., Ltd.; Haier Smart Home Co., Ltd.		
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2023204169	Fortra, LLC	2024201450	H. Lundbeck A/S
2023204419	Adobe Inc.	2024201462	Stryker Corporation
2023208218	Guangdong Neat Packaging Co., LTD.	2024201463	LG Electronics Inc.
2023210637	Aristocrat Technologies, Inc.	2024201464	Intellia Therapeutics, Inc.
2023210638	Aristocrat Technologies, Inc.	2024201465	Children's Hospital Medical Center
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2023214257	Aristocrat Technologies, Inc.	2024201469	Avery Dennison Retail Information Services LLC
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2023216874	Transportation IP Holdings, LLC	2024201477	LG Electronics Inc.
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2023219980	Conomos, P.	2024201485	Janssen Biopharma, Inc.
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		2024201496	Angel Group Co., Ltd.
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2023229485	Smith, B.	2024201512	Scenic immunology B.V.
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2024201523	Aegis Therapeutics, LLC; ARS Pharmaceuticals Operations, Inc.
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2024201621	Huawei Technologies Co., Ltd.
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 B65D 85/804 (2006.01)
 D04H 1/00 (2006.01)
 D04H 1/425 (2012.01)
 D04H 1/58 (2012.01)
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 F16H 1/28 (2006.01)
 F16H 57/08 (2006.01)
 F16H 57/12 (2006.01)
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 B03D 1/02 (2006.01)
 C07C 321/28 (2006.01)
 C07C 323/37 (2006.01)
 C07C 323/64 (2006.01)
 C22B 1/00 (2006.01)
 C22B 3/36 (2006.01)
 B03D 101/02 (2006.01)
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 A61P 37/06 (2006.01)
 C07K 14/715 (2006.01)
 C07K 16/46 (2006.01)
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 B04B 5/10 (2006.01)

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 A61K 31/7115 (2006.01)
 A61K 31/712 (2006.01)
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 A61K 31/713 (2006.01)
 A61P 31/20 (2006.01)
 A61P 35/00 (2006.01)
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A61B 5/00 (2006.01)
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A61B 5/024 (2006.01)
A61B 5/053 (2021.01)
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B65D 83/00 (2006.01)
B65D 85/72 (2006.01)
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B21C 37/20 (2006.01)
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B21D 17/02 (2006.01)
B21H 7/18 (2006.01)
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C07K 14/47 (2006.01)
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A61K 45/06 (2006.01)
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A61K 48/00 (2006.01)
A61P 9/10 (2006.01)
A61P 27/02 (2006.01)
A61P 35/00 (2006.01)
C12N 15/113 (2010.01)
C12N 15/85 (2006.01)
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G06N 3/04 (2023.01)
G06F 21/55 (2013.01)
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G06N 5/00 (2023.01)
G06N 20/00 (2019.01)
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AND SYSTEM
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PROTEINS AND METHODS OF USE
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C07K 14/54 (2006.01)
A61K 38/20 (2006.01)
C07K 14/715 (2006.01)
C12N 15/10 (2006.01)
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MASCHO, John
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C12N 9/22 (2006.01)
C12N 15/11 (2006.01)
C12Q 1/34 (2006.01)
C12Q 1/682 (2018.01)
G01N 33/535 (2006.01)
G01N 33/542 (2006.01)
G01N 33/543 (2006.01)
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G01N 33/68 (2006.01)
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C07D 413/14 (2006.01)
A61K 31/553 (2006.01)
A61P 25/28 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
C07D 413/12 (2006.01)
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C07F 7/12 (2006.01)
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H01M 4/134 (2010.01)
H01M 10/052 (2010.01)
H01M 10/0565 (2010.01)
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(51) Int. Cl.
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A01N 43/40 (2006.01)
A01N 43/90 (2006.01)
C07D 213/61 (2006.01)
C07D 213/70 (2006.01)
C07D 213/71 (2006.01)
C07D 213/79 (2006.01)
C07D 237/12 (2006.01)
C07D 239/30 (2006.01)
C07D 253/07 (2006.01)
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C07D 487/04 (2006.01)
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C07D 513/04 (2006.01)
C07F 5/02 (2006.01)
C07F 7/22 (2006.01)
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H02S 40/22 (2014.01)
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A61B 18/12 (2006.01)
A61B 18/14 (2006.01)
A61B 34/20 (2016.01)
A61B 18/00 (2006.01)
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(54) PERCUTANEOUS CIRCULATORY
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PROXIMAL PRESSURE SENSOR
(51) Int. Cl.
A61M 60/13 (2021.01)
A61B 5/00 (2006.01)
A61B 5/0215 (2006.01)
A61M 60/216 (2021.01)
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(54) PERCUTANEOUS CIRCULATORY
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(51) Int. Cl.
A61M 60/13 (2021.01)
A61M 60/221 (2021.01)
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H04L 65/60 (2022.01)
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H04L 65/80 (2022.01)
H04L 67/02 (2022.01)
H04N 21/2187 (2011.01)
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SYSTEM, AND VEHICLE
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H02J 7/00 (2006.01)
H02M 7/02 (2006.01)
H02M 7/21 (2006.01)
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H01M 50/244 (2021.01)
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G06N 20/00 (2019.01)
G06N 99/00 (2019.01)
G06Q 10/08 (2023.01)
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(54) PROTEIN TYROSINE PHOSPHATASE TARGETING LIGANDS
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C07D 409/14 (2006.01)
A61K 31/454 (2006.01)
A61P 35/00 (2006.01)
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G01N 21/64 (2006.01)
C07K 14/435 (2006.01)
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G07C 9/00 (2020.01)
G06Q 20/34 (2012.01)
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(11) AU-A-2022331499
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(54) TECHNIQUES AND SYSTEMS TO PERFORM AUTHENTICATION AND PAYMENT OPERATIONS WITH A CONTACTLESS CARD TO PROVIDE ITEMS AND SERVICES
(51) Int. Cl.
G06Q 20/34 (2012.01)
G06Q 20/12 (2012.01)
G06Q 20/14 (2012.01)
G06Q 20/38 (2012.01)
G06Q 20/40 (2012.01)
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(54) SINGLE MONOLITHIC PIECE PIVC-INTEGRATED HEMOLYSIS-REDUCTION ACCESSORIES FOR DIRECT BLOOD DRAW
(51) Int. Cl.
A61M 5/14 (2006.01)
A61B 5/15 (2006.01)
A61M 25/00 (2006.01)
A61M 39/10 (2006.01)
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A61M 5/48 (2006.01)
A61M 39/10 (2006.01)
A61M 39/24 (2006.01)
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(54) HYDROGEL COUPLANT SLEEVE FOR USE WITH INTRAORAL ULTRASONIC IMAGING PROBE
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A61B 8/00 (2006.01)
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(54) BLOCKCHAIN MANAGED MEDICAL IMPLANTS
(51) Int. Cl.
G16H 10/65 (2018.01)
H04L 9/40 (2022.01)
H04L 9/08 (2006.01)
H04W 4/80 (2018.01)
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(54) CHIMERIC ANTIGEN RECEPTORS (CAR) FOR B CELL MALIGNANCIES
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C07K 16/28 (2006.01)
A61P 35/00 (2006.01)
A61P 35/02 (2006.01)
C07K 14/705 (2006.01)
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(72) KHARYA, Gaurav
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C07D 257/04 (2006.01)
A61P 3/00 (2006.01)
A61P 35/00 (2006.01)
C07C 233/25 (2006.01)
C07C 233/26 (2006.01)
C07C 235/16 (2006.01)
C07C 307/02 (2006.01)
C07C 311/51 (2006.01)
C07C 317/44 (2006.01)
C07C 323/52 (2006.01)
C07D 263/44 (2006.01)
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C07D 307/24 (2006.01)
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(74) Davies Collison Cave Pty Ltd
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(54) PHARMACEUTICAL COMPOSITION OF NAPHTHALENE DERIVATIVES AS MULTI-TARGET THERAPEUTIC AGENTS FOR THE TREATMENT OF ALZHEIMER'S DISEASE
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A61K 31/167 (2006.01)
A61K 9/00 (2006.01)
A61K 9/20 (2006.01)
A61K 31/27 (2006.01)
A61K 47/06 (2006.01)
A61P 25/28 (2006.01)
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(54) ECHO AMPLIFICATION: A COMPREHENSIVE SYSTEM OF CHEMISTRY AND METHODS FOR AMPLIFICATION AND DETECTION OF SPECIFIC NUCLEIC ACID SEQUENCES
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C12Q 1/6844 (2018.01)
C12Q 1/686 (2018.01)
C12Q 1/6851 (2018.01)
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2022344999
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(54) CRYOGENIC PUMP
(51) Int. Cl.
F04B 9/10 (2006.01)
F02M 21/02 (2006.01)
F04B 15/08 (2006.01)
F04B 53/14 (2006.01)
F16J 15/16 (2006.01)
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(72) DUCOTE, Jr., Douglas A.
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(54) RENEWABLE BASED E-DRIVE FLUIDS
(51) Int. Cl.
C10M 105/04 (2006.01)
C10M 169/04 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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C10L 1/224 (2006.01)
C10L 1/238 (2006.01)
C10L 10/04 (2006.01)
C10L 10/08 (2006.01)
C10L 1/185 (2006.01)
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A23C 9/123 (2006.01)
C12N 1/04 (2006.01)
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C07K 14/34 (2006.01)
C12N 15/77 (2006.01)
C12P 13/10 (2006.01)
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E21B 33/035 (2006.01)
G01R 31/08 (2020.01)
G01R 31/50 (2020.01)
H02G 1/10 (2006.01)
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A61K 9/19 (2006.01)
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A61P 9/00 (2006.01)
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G01N 33/28 (2006.01)
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B01J 19/18 (2006.01)
F24V 40/00 (2018.01)
B01J 3/00 (2006.01)
B01J 6/00 (2006.01)
C01B 3/02 (2006.01)
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RELATED TO REFINING AND PET-
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ERGY
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B01J 19/18 (2006.01)
B01J 3/08 (2006.01)
C10G 9/00 (2006.01)
F24V 40/00 (2018.01)
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CINERATION OF SUBSTANCES US-
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ENERGY
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F23G 5/08 (2006.01)
B01J 19/18 (2006.01)
F23G 7/06 (2006.01)
F23K 1/04 (2006.01)
F23K 5/20 (2006.01)
F23L 15/00 (2006.01)
F24V 40/00 (2018.01)
B01J 6/00 (2006.01)
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MANUFACTURING STEEL USING
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F24V 40/00 (2018.01)
B01J 6/00 (2006.01)
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MANUFACTURING HIGH-TEMPER-
ATURE MATERIALS USING ROTARY
GENERATED THERMAL ENERGY
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B01J 19/18 (2006.01)
F24H 3/02 (2022.01)
C03B 5/16 (2006.01)
F27B 17/00 (2006.01)
F27D 99/00 (2010.01)
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MANUFACTURING CEMENT USING
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C04B 7/36 (2006.01)
B01J 6/00 (2006.01)
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C04B 9/20 (2006.01)
F24V 40/00 (2018.01)
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F24V 40/00 (2018.01)
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F23G 5/04 (2006.01)
F23G 7/10 (2006.01)
F23K 1/00 (2006.01)
F26B 17/10 (2006.01)
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H01M 50/503 (2021.01)
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C02F 1/461 (2023.01)
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C12N 5/00 (2006.01)
G01N 15/14 (2006.01)
G01N 33/68 (2006.01)
A61B 17/43 (2006.01)
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C07D 403/04 (2006.01)
A61K 31/496 (2006.01)
A61P 35/00 (2006.01)
C07D 419/04 (2006.01)
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C07D 237/02 (2006.01)
A61K 31/4965 (2006.01)
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C07D 401/14 (2006.01)
A61K 31/4985 (2006.01)
A61P 35/00 (2006.01)
C07D 471/04 (2006.01)
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A47J 31/36 (2006.01)
A47J 31/46 (2006.01)
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F03B 13/14 (2006.01)
F03B 9/00 (2006.01)
F03B 13/06 (2006.01)
F03B 13/18 (2006.01)
F03D 9/14 (2016.01)
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(72) DE SOUZA, Douglas Joseph
(74) Patenteur Pty Ltd
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C12N 7/00 (2006.01)
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G06Q 10/00 (2023.01)
G06Q 10/10 (2023.01)
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(54) TENSOR-PRODUCT B-SPLINE PREDICTION FOR HDR VIDEO IN MOBILE APPLICATIONS
(51) Int. Cl.
H04N 19/30 (2014.01)
H04N 19/70 (2014.01)
H04N 21/2343 (2011.01)
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(54) ZEOLITE CONTAINING POLYOLEFIN FILMS
(51) Int. Cl.
C08J 5/18 (2006.01)
B01J 20/26 (2006.01)
C08K 3/36 (2006.01)
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F03B 13/18 (2006.01)
(87) WO2023/041742
(31) P-2021/1153 **(32)** 17.09.21 **(33)** RS
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(54) ANTIBODIES TARGETING BAFF-R AND USE THEREOF
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/39 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
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(51) Int. Cl.
F42D 1/10 (2006.01)
C06B 23/00 (2006.01)
C06B 47/14 (2006.01)
C06D 5/00 (2006.01)
F42D 1/24 (2006.01)
(87) WO2023/028425
(31) 63/237,079 **(32)** 25.08.21 **(33)** US
63/364,014 02.05.22 US
(43) 02.03.2023
(72) HALANDER, John; NELSON, Casey L.; BEAGLEY, Jeremiah R.; KOME, Cornelis
(74) Spruson & Ferguson
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- (71)** EATON INTELLIGENT POWER LIMITED
(11) AU-A-2022348153
(21) 2022348153 **(22)** 12.09.2022

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(54) CHARGING APPARATUS TO BE MOUNTED TO ANOTHER STRUCTURE, TO PROVIDE ITS OWN CIRCUIT BREAKER, AND TO PROTECT A CABLE (51) Int. Cl. B60L 53/30 (2019.01) B60L 53/18 (2019.01) B60L 53/31 (2019.01) (87) WO2023/041194 (31) 63/245,240 (32) 17.09.21 (33) US (43) 23.03.2023 (72) KATARKI, Advait, Madhusudan; REESE, Robert, J. (74) Zone Patents Limited	(71) ECC TEC MSJ INCORPORATED (11) AU-A-2022327125 (21) 2022327125 (22) 15.08.2022 (54) EXHAUST SYSTEM AND COMPONENTS THEREOF (51) Int. Cl. F01N 3/20 (2006.01) F01N 3/08 (2006.01) F01N 13/00 (2010.01) (87) WO2023/019023 (31) 63/233,019 (32) 13.08.21 (33) US (43) 16.02.2023 (72) AKYILDIZ, Saban (74) Dentons Patent Attorneys Australasia Limited	63/348,962 03.06.22 US (43) 06.04.2023 (72) HOSTETLER, Scott (74) Davies Collison Cave Pty Ltd
(71) EBARA CORPORATION (11) AU-A-2022329695 (21) 2022329695 (22) 09.08.2022 (54) PURGING DEVICE AND PURGING METHOD (51) Int. Cl. F04B 15/08 (2006.01) F04B 53/22 (2006.01) F04D 7/00 (2006.01) F04D 13/08 (2006.01) F04D 29/60 (2006.01) (87) WO2023/022062 (31) 2021-132902 (32) 17.08.21 (33) JP (43) 23.02.2023 (72) HONDA, Shuichiro; KASATANI, Tet-suji; IKEDA, Hayato; IWAMI, Mitsutaka; WATAJI, Kei; KIKUCHI, Hyuga (74) Spruson & Ferguson	(71) ECOLAB USA INC. (11) AU-A-2022345017 (21) 2022345017 (22) 14.09.2022 (54) SOLID, NON-PHOSPHOROUS, SCALE AND CORROSION INHIBITOR COMPOSITION FOR COOLING WATER TREATMENT (51) Int. Cl. C02F 5/12 (2023.01) C02F 1/66 (2023.01) C02F 101/20 (2006.01) C02F 103/02 (2006.01) C02F 103/10 (2006.01) C02F 103/14 (2006.01) C02F 103/28 (2006.01) (87) WO2023/043798 (31) 63/243,927 (32) 14.09.21 (33) US (43) 23.03.2023 (72) ZHANG, Xiao; CHEN, Bingzhi; JIN, Ning (74) Spruson & Ferguson	(71) ELI LILLY AND COMPANY (11) AU-A-2022345880 (21) 2022345880 (22) 19.09.2022 (54) METHODS AND APPARATUSES FOR DETECTING ANOMALIES WHEN FILLING A CONTAINER WITH FLUID (51) Int. Cl. B67C 3/00 (2006.01) G01N 21/88 (2006.01) (87) WO2023/044089 (31) 63/261,372 (32) 20.09.21 (33) US (43) 23.03.2023 (72) DESAI, Hetalkumar Meghrajibhai; KAWIECKI, Matthew Glenn; SHARMA, Rakesh; TIWARI, Asit; VENDERLEY, Jordan Matthew (74) WRAYS PTY LTD
(71) EBARA CORPORATION (11) AU-A-2022330643 (21) 2022330643 (22) 09.08.2022 (54) BUFFER GATE, PUMP INTRODUCTION METHOD, AND PUMP LIFTING METHOD (51) Int. Cl. F17C 9/00 (2006.01) F17C 13/00 (2006.01) (87) WO2023/022063 (31) 2021-132903 (32) 17.08.21 (33) JP (43) 23.02.2023 (72) HONDA, Shuichiro; KASATANI, Tet-suji; IKEDA, Hayato; IWAMI, Mitsutaka; WATAJI, Kei; KIKUCHI, Hyuga (74) Spruson & Ferguson	(71) ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL) (11) AU-A-2022334870 (21) 2022334870 (22) 23.08.2022 (54) IL-10 EXPRESSING CELLS FOR ENHANCED CANCER IMMUNOTHERAPIES (51) Int. Cl. C12N 5/10 (2006.01) A61K 35/14 (2015.01) A61P 35/00 (2006.01) (87) WO2023/025788 (31) 21192853.6 (32) 24.08.21 (33) EP (43) 02.03.2023 (72) GUO, Yugang; TANG, Li; ZHAO, Yang (74) Collison & Co	(71) ENTRADA THERAPEUTICS, INC. (11) AU-A-2022339769 (21) 2022339769 (22) 30.08.2022 (54) COMPOUNDS AND METHODS FOR SKIPPING EXON 44 IN DUCHENNE MUSCULAR DYSTROPHY (51) Int. Cl. A61K 47/64 (2017.01) C07K 7/64 (2006.01) C12N 15/113 (2010.01) (87) WO2023/034817 (31) 63/239,645 (32) 01.09.21 (33) US 63/239,671 01.09.21 US 63/290,960 17.12.21 US 63/292,685 22.12.21 US 63/298,565 11.01.22 US 63/268,577 25.02.22 US 63/268,580 25.02.22 US 63/362,294 31.03.22 US 63/362,423 04.04.22 US 63/337,560 02.05.22 US 63/354,456 22.06.22 US (43) 09.03.2023 (72) LI, Xiang; QIAN, Ziqing; KHEIRABADI, Mahboubeh; WYSK, Mark; SETHURAMAN, Natarajan; LIAN, Wenlong; GIRGENRATH, Mahsweta; ESTRELLA, Nelsa (74) Spruson & Ferguson
(71) EBARA CORPORATION (11) AU-A-2022331162 (21) 2022331162 (22) 09.08.2022 (54) POWER SUPPLY DEVICE AND POWER SUPPLY METHOD FOR SUBMERGED PUMP (51) Int. Cl. F04B 53/00 (2006.01) F04D 29/00 (2006.01) H02H 7/08 (2006.01) (87) WO2023/022061 (31) 2021-132901 (32) 17.08.21 (33) JP (43) 23.02.2023 (72) HONDA, Shuichiro; KASATANI, Tet-suji; IKEDA, Hayato; IWAMI, Mitsutaka; WATAJI, Kei; KIKUCHI, Hyuga (74) Spruson & Ferguson	(71) ELANCO US INC. (11) AU-A-2022353841 (21) 2022353841 (22) 30.09.2022 (54) STABLE FORMULATIONS OF BUPRENORPHINE (51) Int. Cl. A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) (87) WO2023/056043 (31) 63/250,723 (32) 30.09.21 (33) US	(71) EQUINOR ENERGY AS (11) AU-A-2022340446 (21) 2022340446 (22) 31.08.2022 (54) ELECTRONIC INFLOW CONTROL DEVICE (51) Int. Cl. E21B 34/06 (2006.01) E21B 34/08 (2006.01) E21B 43/12 (2006.01) F16K 31/00 (2006.01) (87) WO2023/033657 (31) 2112525.7 (32) 02.09.21 (33) GB (43) 09.03.2023 (72) KJØSNES, Ivar; BUGTEN, Bjarne (74) FB Rice Pty Ltd

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(71) EXPOSOME PVT. LTD.**(11)** AU-A-2022347507**(21)** 2022347507 **(22)** 14.09.2022**(54)** ADVANCED ANTIMICROBIAL AND CHEMICAL FILTERS FOR GAS AND WATER SYSTEMS**(51)** Int. Cl.**C02F 1/28** (2023.01)**B01D 39/20** (2006.01)**B01J 20/20** (2006.01)**B01J 20/32** (2006.01)**(87)** WO2023/042217**(31)** 202121041437 **(32)** 14.09.21 **(33)** IN**(43)** 23.03.2023**(72)** GORADIA, Prerna**(74)** EUREKA IP PTY LTD

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(71) FLAGSHIP PIONEERING INNOVATIONS VI, LLC**(11)** AU-A-2022342168**(21)** 2022342168 **(22)** 07.09.2022**(54)** PAH-MODULATING COMPOSITIONS AND METHODS**(51)** Int. Cl.**C12N 15/113** (2010.01)**(87)** WO2023/039435**(31)** 63/241,897 **(32)** 08.09.21 **(33)** US

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(43) 16.03.2023**(72)** ALTSHULER, Robert Charles; BOTHMER, Anne Helen; CHEE, Daniel Raymond; COTTA-RAMUSINO, Cecilia Giovanna Silvia; KIM, Kyusik; KOTLAR, Randi Michelle; MCALLISTER, Gregory David; RAY, Ananya; ROQUET, Nathaniel; SANCHEZ, Carlos; STEINBERG, Barrett Ethan; SALOMON, William Edward; CITORIK, Robert James; QUERBES, William; APPONI, Luciano Henrique; WANG, Zhan**(74)** Spruson & Ferguson

(71) FLAGSHIP PIONEERING INNOVATIONS VI, LLC**(11)** AU-A-2022342169**(21)** 2022342169 **(22)** 07.09.2022**(54)** HBB-MODULATING COMPOSITIONS AND METHODS**(51)** Int. Cl.**C12N 15/113** (2010.01)**A61K 38/46** (2006.01)**C12N 9/12** (2006.01)**C12N 9/22** (2006.01)**C12N 15/63** (2006.01)**C12N 5/10** (2006.01)**C12N 15/10** (2006.01)**(87)** WO2023/039440**(31)** 63/241,994 **(32)** 08.09.21 **(33)** US

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(43) 16.03.2023**(72)** ALTSHULER, Robert Charles; BOTHMER, Anne Helen; CHEE, Daniel Raymond; COTTA-RAMUSINO, Cecilia Giovanna Silvia; KIM, Kyusik; KOTLAR, Randi Michelle; MCALLISTER, Gregory David; RAY, Ananya; ROQUET, Nathaniel; SANCHEZ, Carlos; STEINBERG, Barrett Ethan; SALOMON, William Edward; CITORIK, Robert James; QUERBES, William; APPONI, Luciano Henrique; WANG, Zhan; FU, Yanfang; ABERNATHY, Daniel Gene; HOLMES, Michael Christopher**(74)** Spruson & Ferguson

(71) FLAGSHIP PIONEERING INNOVATIONS VI, LLC**(11)** AU-A-2022343268**(21)** 2022343268 **(22)** 07.09.2022**(54)** METHODS AND COMPOSITIONS FOR MODULATING A GENOME**(51)** Int. Cl.**C12N 9/22** (2006.01)**A61K 48/00** (2006.01)**(87)** WO2023/039424**(31)** 63/241,953 **(32)** 08.09.21 **(33)** US

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(43) 16.03.2023**(72)** ALTSHULER, Robert Charles; BOTHMER, Anne Helen; COTTA-RAMUSINO, Cecilia Giovanna Silvia; KOTLAR, Randi Michelle; RAY, Ananya; ROQUET, Nathaniel; SANCHEZ, Carlos; STEINBERG, Barrett Ethan**(74)** Spruson & Ferguson

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(71) FLAGSHIP PIONEERING INNOVATIONS VI, LLC**(11)** AU-A-2022344251**(21)** 2022344251 **(22)** 07.09.2022**(54)** SERPINA-MODULATING COMPOSITIONS AND METHODS**(51)** Int. Cl.**C12N 15/113** (2010.01)**A61K 38/46** (2006.01)**C12N 5/10** (2006.01)**C12N 9/12** (2006.01)**C12N 9/22** (2006.01)**C12N 15/10** (2006.01)**(87)** WO2023/039447**(31)** 63/241,970 **(32)** 08.09.21 **(33)** US

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(72)	ALTSHULER, Robert Charles; BOTHMER, Anne Helen; CHEE, Daniel Raymond; COTTA-RAMUSINO, Cecilia Giovanna Silvia; KIM, Kyusik; KOTLAR, Randi Michelle; MCALLISTER, Gregory David; RAY, Ananya; ROQUET, Nathaniel; SANCHEZ, Carlos; STEINBERG, Barrett Ethan; SALOMON, William Edward; CITORIK, Robert James; QUERBES, William; APPONI, Luciano Henrique; WANG, Zhan Spruson & Ferguson		

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(21) 2022346861 (22) 16.09.2022
(54) COMPOSITIONS AND METHODS FOR PRODUCING CIRCULAR POLYRIBONUCLEOTIDES
(51) Int. Cl.
C12N 15/67 (2006.01)
(87) WO2023/044006
(31) 63/245,354 (32) 17.09.21 (33) US
(43) 23.03.2023
(72) DUDKIN, Vadim; PAEK, Ki, Young; DE BOER, Alexandra, Sophie; NELSON, Jennifer, A.
(74) Spruson & Ferguson

(71) FLIGHTPATH BIOSCIENCES, INC.
 (11) AU-A-2022353095
 (21) 2022353095 (22) 23.09.2022
 (54) HYGROMYCIN A FOR TREATMENT OF DISEASES AND INFECTIONS
 (51) Int. Cl.
A61K 31/7048 (2006.01)
A61P 31/04 (2006.01)
 (87) WO2023/049849
 (31) 63/247,927 (32) 24.09.21 (33) US
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 (43) 30.03.2023
 (72) TINDALL, Matthew, Charles; LEWIS, Kim
 (74) FPA Patent Attorneys Pty Ltd

(71) FUJIFILM CELLULAR DYNAMICS, INC.; FUJIFILM HOLDINGS AMERICA CORPORATION
(11) AU-A-2022343749
(21) 2022343749 (22) 13.09.2022
(54) METHODS FOR THE PRODUCTION OF COMMITTED CARDIAC PROGENITOR CELLS
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C12N 5/077 (2010.01)
(87) WO2023/039588
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(72) KATTMAN, Steven; KOONCE, Chad; BOYER, Meghan; STACK, Kristen; HEBRON, Ellen
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) FULBRIGHT MEDICAL INC.
(11) AU-A-2022350731
(21) 2022350731 (22) 22.09.2022
(54) STAPLE MAGAZINE ASSEMBLY AND
SURGICAL INSTRUMENT
(51) Int. Cl.
A61B 17/072 (2006.01)
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(72) SUN, Baofeng; SHI, Longxia
(74) Griffith Hack

(71) GANNEX PHARMA CO., LTD.
(11) AU-A-2021463571
(21) 2021463571 (22) 09.09.2021
(54) A PHARMACEUTICAL COMPOSITION
OF FXR AGONIST AND ITS PREPAR-
ATION METHOD
(51) Int. Cl.
A61K 9/20 (2006.01)
A61K 31/00 (2006.01)
A61K 45/06 (2006.01)
A61P 1/16 (2006.01)
C07C 15/00 (2006.01)
(87) WO2023/035181
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(72) DONG, Kunhua; WU, Jinzi Jason
(74) GLMR

(71) GENMAB A/S
(11) AU-A-2022361691
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(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/00 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
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(31) 21201712.3 (32) 08.10.21 (33) EP
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KEMPER, Kristel; BREIJ, Esther, C,
W.; OOSTINDIE, Simone; ALEMDEHY,
Farshid
(74) Griffith Hack

(71) GLOBERIDE, INC.
(11) AU-A-2022377854
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(54) SPOOL FOR ANGLING-USE SPIN-
NING REEL
(51) Int. Cl.
A01K 89/01 (2006.01)
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(72) MATSUDA Kazuyuki
(74) Griffith Hack

(71) GLYCANOSTICS S.R.O
(11) AU-A-2022335718
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(54) GLYCOPROTEIN BIOMARKERS FOR
DIAGNOSING CANCER
(51) Int. Cl.
G01N 33/574 (2006.01)
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(72) TKAC, Jan; BERTOK, Tomas
(74) FB Rice Pty Ltd

(71) GOODWIN, P.
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(54) MECHANICAL WALLET
(51) Int. Cl.
A45C 11/18 (2006.01)
A45C 13/00 (2006.01)
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(72) GOODWIN, Peter; BROOKS, George;
HUTCHINS, Cody; NORTJE, Salmon;
HARRISON, Graham
(74) James & Wells Intellectual Property

(71) GUARDIAN PARTNERS, LLC
(11) AU-A-2022317786
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(54) COMPOSITIONS, METHODS AND SYSTEMS FOR ELECTROLYTIC TREATMENT OF MYCOTOXIN, GLYPHOSATE, AND MICROBIAL CONTAMINATION
(51) Int. Cl.
A23L 5/20 (2016.01)
A23L 3/3562 (2006.01)
A23N 12/06 (2006.01)
B02B 1/04 (2006.01)
C07H 3/02 (2006.01)
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(31) 63/225,883 (32) 26.07.21 (33) US
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(72) PETERS, Michael J.; BREEDLOVE, John D.; JENSEN, Darin; PETERS, Christopher M.; MAYER, S. Robert; DAVIS, Donald H.; PETERS, Kyle
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(71) H2GENERATION INC.
(11) AU-A-2022330378
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(54) ELECTROMECHANICAL HYDROGEN GENERATOR
(51) Int. Cl.
C25B 1/04 (2021.01)
C01B 3/02 (2006.01)
C25B 9/65 (2021.01)
H02K 1/06 (2006.01)
H02K 99/00 (2014.01)
(87) WO2023/021332
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(74) RnB IP Pty Ltd

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B08B 9/032 (2006.01)
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(31) PA202170404 (32) 13.08.21 (33) DK
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(72) ANDERSEN, Hans; MADSEN, Birger, Elholm
(74) Catalyst Intellectual Property

(71) HAKA GROUPS PARTICIPAÇÕES DE NEGÓCIOS S/A
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(54) CONVEYOR BELT DRIVEN BY LINEAR INDUCTION MOTOR WITH A DOUBLE-SIDED PRIMARY AND A LONG SEGMENTED SECONDARY
(51) Int. Cl.
H02K 41/025 (2006.01)
B65G 23/23 (2006.01)
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(31) 1020210181087 (32) 13.09.21 (33) BR
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(72) TRAD, Frederico
(74) PHILLIPS ORMONDE FITZPATRICK

(71) HEMISPHERE MEDICAL LLC
(11) AU-A-2022344988
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(54) SUBDURAL SOUND WITH A RECEIVING CHANNEL
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A61B 5/00 (2006.01)
A61B 90/00 (2016.01)
A61N 1/05 (2006.01)
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(72) KRYZANSKI, James
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(71) HEPTARES THERAPEUTICS LIMITED
(11) AU-A-2022348201
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(54) GPR52 MODULATOR COMPOUNDS
(51) Int. Cl.
A61P 25/00 (2006.01)
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(74) Madderns Pty Ltd

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(54) INSPECTION METHOD FOR INSPECTING AN OBJECT AND MACHINE VISION SYSTEM
(51) Int. Cl.
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(72) SESSINGHAUS, Nadine; HELMBERGER, Michael; CONWAY, Alex
(74) Spruson & Ferguson

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(11) AU-A-2022451414
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(54) VEHICLE MANAGEMENT SYSTEM
(51) Int. Cl.
G08G 1/00 (2006.01)
B60T 7/16 (2006.01)
E21C 47/00 (2006.01)
(87) WO2023/188650
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(72) KANAI Masaki; SAITO Shinjiro; IWANAGA Tosuke
(74) Griffith Hack

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(54) POWER SYSTEM AND CONTROL METHOD FOR POWER SYSTEM
(51) Int. Cl.
H02J 3/38 (2006.01)
H02J 3/32 (2006.01)
H02J 3/46 (2006.01)
(87) WO2023/024028
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(72) HUANG, Liuliu; LI, Lin
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(54) DATA COMMUNICATION METHOD AND APPARATUS
(51) Int. Cl.
H04W 4/06 (2009.01)
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(72) LI, Meng
(74) PHILLIPS ORMONDE FITZPATRICK

(71) HUAWEI TECHNOLOGIES CO., LTD.
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(54) METHOD AND APPARATUS FOR DETERMINING POSITION
(51) Int. Cl.

H04W 4/02 (2018.01)
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H04W 52/02 (2009.01)
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(72) PAN, Qi; HUANG, Zhenglei; ZHANG, Wanqiang; LI, Yongcui
(74) Halfords IP

(71) HUBBELL INCORPORATED
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(51) Int. Cl.
G05F 1/14 (2006.01)
G05F 1/147 (2006.01)
G05F 1/153 (2006.01)
G05F 1/16 (2006.01)
G05F 1/20 (2006.01)
G05F 1/22 (2006.01)
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(31) 63/236,080 (32) 23.08.21 (33) US
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(72) TU, Hung Van; LI, Thaichong; WULFF, James; ROBERT; BACH, Lawrence, Deward; MANDA, Ravi; YALLA, Murty
(74) Griffith Hack

(71) IAN MALEY & ASSOCIATES PTY LTD
(11) AU-A-2022333641
(21) 2022333641 (22) 22.08.2022
(54) ZIPPED FLAP OPENING SYSTEM
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E04H 15/58 (2006.01)
A44B 19/26 (2006.01)
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(72) MALEY, Ian; KELSEY, Henry
(74) Elliptic Legal & Patent Services

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(11) AU-A-2022347033
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(54) MEDICAL DEVICE COMMUNICATION CERTIFICATE MANAGEMENT
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G06F 21/44 (2013.01)
G06F 21/60 (2013.01)

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(71) INOVA MEDICAL PTY LTD (11) AU-A-2022381666 (21) 2022381666 (22) 04.11.2022 (54) DEVICES AND SYSTEMS FOR REMOVING TISSUE ABOVE AND/OR DRAINING A SUBCUTANEOUS SKIN ABSCESS (51) Int. Cl. A61B 10/00 (2006.01) A61B 10/02 (2006.01) A61B 17/34 (2006.01) A61M 27/00 (2006.01) (87) WO2023/077200 (31) 2021903549 (32) 05.11.21 (33) AU (43) 11.05.2023 (72) WHITE, Melanie Kathryn; HAYES, Alex John Cullen; YEW, Ming Khoon; MAT-	(71) INVENTERA INC. (11) AU-A-2022327892 (21) 2022327892 (22) 07.03.2022 (54) NANOSTRUCTURE EXCRETED IN URINE THROUGH KIDNEY WITHOUT BEING PHAGOCYTOSED AND/OR METABOLIZED BY MACROPHAGE AFTER IN VIVO INJECTION (51) Int. Cl. A61K 49/18 (2006.01) (87) WO2023/017936 (31) 10-2021-0104405 (32) 09.08.21 (33) KR (43) 16.02.2023 (72) SHIN, Tae-Hyun (74) WRAYS PTY LTD	(71) IPSEN BIOPHARM LIMITED (11) AU-A-2022348206 (21) 2022348206 (22) 16.09.2022 (54) MODIFIED BONT/A FOR USE IN THE TREATMENT OF CERVICAL DYSTONIA (51) Int. Cl. A61K 38/48 (2006.01) A61P 7/02 (2006.01) C07K 14/33 (2006.01) (87) WO2023/041934 (31) 2113262.6 (32) 16.09.21 (33) GB 2206357.2 29.04.22 GB (43) 23.03.2023 (72) GRIGORE, Nicolae; PONS, Laurent (74) Griffith Hack
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(51) Int. Cl.
A61B 5/1495 (2006.01)
A61B 5/00 (2006.01)
A61B 5/145 (2006.01)
A61B 5/155 (2006.01)
(87) WO2023/128082
(31) 10-2021-0194270 (32) 31.12.21 (33) KR
(43) 06.07.2023
(72) KANG, Young Jea; NAH, Ji Seon;
JANG, Min Ji; SEO, Jung Hee; KANG,
Yun Hee
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(21) 2022428481 (22) 02.06.2022
(54) CORRECTION ALARM METHOD
(51) Int. Cl.
A61B 5/1495 (2006.01)
A61B 5/00 (2006.01)
A61B 5/145 (2006.01)
A61B 5/155 (2006.01)
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(31) 10-2021-0190646 (32) 29.12.21 (33) KR
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Min Ji; KANG, Yun Hee; KANG, Young
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- (71) ISP INVESTMENTS LLC
(11) AU-A-2022346643
(21) 2022346643 (22) 24.08.2022
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OILS AND COMPOSITIONS THERE-
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(51) Int. Cl.
C08L 91/00 (2006.01)
A61K 8/92 (2006.01)
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(43) 23.03.2023
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PRETTYPAUL, Donald I.; KENNEDY,
Diane M.
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- (71) ITO Ryoko
(11) AU-A-2022348242
(21) 2022348242 (22) 22.08.2022
(54) CARBONIZATION OIL-CONVERSION
PROCESSING APPARATUS
(51) Int. Cl.
C10B 47/32 (2006.01)
C10B 53/00 (2006.01)
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(72) ITO Tomoaki
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(21) 2022339147 (22) 04.09.2022
- (54) DENTAL BRIDGE AND METHODS
FOR ITS MANUFACTURE AND IN-
STALATION
(51) Int. Cl.
A61C 13/271 (2006.01)
A61C 5/30 (2017.01)
A61C 5/77 (2017.01)
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AC IMMUNE SA
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(54) METHOD OF SAFE ADMINISTRATION
OF TAU PHOSHOPEPTIDE CON-
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C07K 14/47 (2006.01)
A61K 38/08 (2019.01)
A61K 39/00 (2006.01)
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(72) PFEIFER, Andrea; RAMSBURG, Eliza-
beth Anne
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A61K 31/4725 (2006.01)
A61K 31/415 (2006.01)
A61K 31/4427 (2006.01)
A61K 31/496 (2006.01)
A61P 35/00 (2006.01)
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Karoline; PHILIPPAR, Ulrike; STEELE,
Andrew; HASELAGER, Marco Vincent;
KATER, A.p.
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MODULATORS FOR USE IN AUTISM
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A61K 31/41 (2006.01)
A61P 25/00 (2006.01)
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PEUTIC ENZYMES
(51) Int. Cl.
C07K 19/00 (2006.01)
A61K 38/46 (2006.01)
A61K 39/395 (2006.01)
A61K 47/66 (2017.01)
A61K 47/68 (2017.01)
A61K 48/00 (2006.01)
C12N 9/96 (2006.01)
C12N 9/14 (2006.01)
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(31) 2021124495 (32) 18.08.21 (33) RU
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ovich; RESHETNIK, Elizaveta Vy-
acheslavovna
(74) Discover IP
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- (71) JONES, M.D.
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(54) AN ACCESSORY FOR A LEVEL
(51) Int. Cl.
G01C 9/28 (2006.01)
F16B 7/04 (2006.01)
F16B 17/00 (2006.01)
(87) WO2023/063834
(31) 781193 (32) 12.10.21 (33) NZ
(43) 20.04.2023
(72) JONES, Michael David
(74) PIPERS
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(54) CABLE ROUTING DEVICE
(51) Int. Cl.
B60D 1/62 (2006.01)
B62D 53/12 (2006.01)
F16L 3/01 (2006.01)
H02G 11/00 (2006.01)
(87) WO2023/021391
(31) 10 2021 004 253.0 (32) 20.08.21 (33) DE
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THAUER, Rudolf; HANSEN, Paul
(74) FB Rice Pty Ltd
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- (71) JUVA LIFE, INC.
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POUNDS, COMPOSITIONS INCLUD-
ING SUCH COMPOUNDS, AND USES
OF SUCH COMPOUNDS AND COM-
POSITIONS
(51) Int. Cl.
C07C 50/28 (2006.01)
A61K 31/12 (2006.01)

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C07C 43/23 (2006.01)
C07C 49/753 (2006.01)
C07C 69/16 (2006.01)
C07C 69/18 (2006.01)
C07C 69/28 (2006.01)
C07C 69/30 (2006.01)
C07C 225/20 (2006.01)
(87) WO2023/059640
(31) 63/252,921 **(32)** 06.10.21 **(33)** US
(43) 13.04.2023
(72) GANGWAR, Sanjeev; MILLER, Guy
(74) Spruson & Ferguson
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- (71)** KABUSHIKI KAISHA TOYOTA
JIDOSHOKKI
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(21) 2022348236 **(22)** 10.08.2022
(54) CONTROL SYSTEM
(51) Int. Cl.
B60L 58/27 (2019.01)
B60L 3/00 (2019.01)
B60L 58/12 (2019.01)
H01M 10/48 (2006.01)
H01M 10/615 (2014.01)
H01M 10/625 (2014.01)
H01M 10/633 (2014.01)
H01M 10/6571 (2014.01)
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(31) 2021-152292 **(32)** 17.09.21 **(33)** JP
(43) 23.03.2023
(72) KOIE Ryosuke
(74) Griffith Hack
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- (71)** KAGOSHIMA UNIVERSITY; PEPTIDE
INSTITUTE, INC.
(11) AU-A-2022342928
(21) 2022342928 **(22)** 08.09.2022
(54) COMPOUND, SALT OF COMPOUND,
ANTIBODY MODIFICATION RE-
AGENT, METHOD FOR PRODUCING
MODIFIED ANTIBODY, AND MODI-
FIED ANTIBODY
(51) Int. Cl.
C07K 7/08 (2006.01)
C07K 14/00 (2006.01)
C07K 16/00 (2006.01)
C07K 16/28 (2006.01)
(87) WO2023/038082
(31) 2021-146504 **(32)** 08.09.21 **(33)** JP
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(72) ITO Yuji; YOSHIYA Taku; TSUDA
Shugo
(74) FB Rice Pty Ltd
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- (71)** KAHU.AI LIMITED
(11) AU-A-2022400601
(21) 2022400601 **(22)** 25.11.2022
(54) SKIN LESION CLASSIFICATION SYS-
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(51) Int. Cl.
G06V 10/80 (2022.01)
G06N 3/0464 (2023.01)
G06N 20/20 (2019.01)
G06T 7/00 (2017.01)
G16H 30/40 (2018.01)
G16H 50/20 (2018.01)
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(31) 782937 **(32)** 02.12.21 **(33)** NZ
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uan; BONNINGTON, Paul
(74) AJ PARK
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(54) SYSTEM AND METHOD FOR
SEARCHING AND PRESENTING
SURGICAL IMAGES
(51) Int. Cl.
G06V 10/40 (2022.01)
(87) WO2023/043964
(31) 63/244,385 **(32)** 15.09.21 **(33)** US
63/244,394 15.09.21 US
63/281,987 22.11.21 US
(43) 23.03.2023
(72) JONELAGADDA, Chandra;
JONELAGADDA, Aneesh; RUIZ, Mark
(74) RnB IP Pty Ltd
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- (71)** KALIBER LABS INC.
(11) AU-A-2022347455
(21) 2022347455 **(22)** 20.09.2022
(54) SYSTEM AND METHOD FOR COM-
PUTER-ASSISTED SURGERY
(51) Int. Cl.
A61B 34/10 (2016.01)
A61B 34/20 (2016.01)
A61B 90/00 (2016.01)
G06T 7/50 (2017.01)
G06T 7/73 (2017.01)
G06T 19/00 (2011.01)
G06T 7/62 (2017.01)
(87) WO2023/044507
(31) 63/246,050 **(32)** 20.09.21 **(33)** US
(43) 23.03.2023
(72) JONELAGADDA, Chandra;
JONELAGADDA, Aneesh
(74) RnB IP Pty Ltd
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- (71)** KARALLIEF, INC.
(11) AU-A-2022341277
(21) 2022341277 **(22)** 08.09.2022
(54) THERAPEUTIC HERBAL COMPOS-
ITIONS FOR IMPROVING LIVER
HEALTH
(51) Int. Cl.
A61K 36/19 (2006.01)
A61K 36/185 (2006.01)
A61K 36/31 (2006.01)
A61K 36/42 (2006.01)
A61K 36/88 (2006.01)
A61K 36/9068 (2006.01)
A61K 45/06 (2006.01)
A61P 1/16 (2006.01)
(87) WO2023/039105
(31) 17/469,566 **(32)** 08.09.21 **(33)** US
(43) 16.03.2023
(72) RAJENDRAN, Krishna
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71)** KARL LEIBINGER ASSET MANAGE-
MENT GMBH & CO. KG
(11) AU-A-2022358925
(21) 2022358925 **(22)** 05.10.2022
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- (54)** PLATE IMPLANT
(51) Int. Cl.
A61B 17/80 (2006.01)
(87) WO2023/057477
(31) 20 2021 003 115.4 **(32)** 05.10.21 **(33)** DE
(43) 13.04.2023
(72) MOSLER, Lüder
(74) Halfords IP
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- (71)** KEMPOWER OYJ
(11) AU-A-2022354615
(21) 2022354615 **(22)** 23.09.2022
(54) APPARATUS, ARRANGEMENT,
CHARGING APPARATUS, METH-
OD AND COMPUTER PROGRAM
PRODUCT FOR CONTROLLING
CHARGING EVENT
(51) Int. Cl.
G07F 15/00 (2006.01)
B60L 53/65 (2019.01)
G06Q 30/02 (2023.01)
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A01M 23/08 (2006.01)
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G08B 23/00 (2006.01)
A47K 5/06 (2006.01)
A47K 10/24 (2006.01)
G06Q 10/00 (2023.01)
G08B 13/00 (2006.01)
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C10N 20/02 (2006.01)
C10N 30/00 (2006.01)
C10N 30/02 (2006.01)
C10N 30/10 (2006.01)
C10N 30/12 (2006.01)
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B61D 27/00 (2006.01)
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B63B 35/00 (2020.01)
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A61K 9/16 (2006.01)
A61K 9/19 (2006.01)
A61K 47/14 (2017.01)
A61K 47/26 (2006.01)
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A61K 31/52 (2006.01)
A61K 38/03 (2006.01)
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C12N 15/54 (2006.01)
C12N 1/15 (2006.01)
C12N 1/19 (2006.01)
C12N 1/21 (2006.01)
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C12P 19/32 (2006.01)
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A61K 47/20 (2006.01)
A61K 47/34 (2017.01)
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A01N 37/36 (2006.01)
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A23L 3/3517 (2006.01)
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A47J 31/52 (2006.01)
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C07K 14/50 (2006.01)
A61K 38/18 (2006.01)
A61P 3/04 (2006.01)
A61P 3/06 (2006.01)

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C08G 63/91 (2006.01)
C08K 5/09 (2006.01)
C08K 5/1515 (2006.01)
C08K 5/5313 (2006.01)
C08L 67/04 (2006.01)
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A23B 4/044 (2006.01)
A47J 37/06 (2006.01)
A23B 4/052 (2006.01)
A47J 33/00 (2006.01)
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C07D 471/04 (2006.01)
A61P 31/16 (2006.01)
A61P 31/18 (2006.01)
A61P 35/00 (2006.01)
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H01L 31/0216 (2014.01)
H10K 30/40 (2023.01)
H10K 30/50 (2023.01)
H10K 30/80 (2023.01)
H10K 39/15 (2023.01)
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H01L 31/0725 (2012.01)
H01L 31/0216 (2014.01)
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A23C 3/07 (2006.01)
A23L 3/28 (2006.01)
A61L 2/10 (2006.01)
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A61P 35/00 (2006.01)
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C07K 16/28 (2006.01)
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A61K 38/47 (2006.01)
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A61P 9/00 (2006.01)
C12N 9/26 (2006.01)
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B01D 61/18 (2006.01)
B01D 63/02 (2006.01)
C02F 3/12 (2023.01)
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(72) VOLMERING, Dirk; VOSSENKAUL, DR., Klaus
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A61K 31/403 (2006.01)
A61K 31/44 (2006.01)
A61K 31/495 (2006.01)
C07D 401/14 (2006.01)
C07D 471/04 (2006.01)
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A61F 2/12 (2006.01)
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A61B 90/00 (2016.01)
A61M 39/02 (2006.01)
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E21B 41/00 (2006.01)
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(54) CLASS II, TYPE V CRISPR SYSTEMS
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C12N 15/113 (2010.01)
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C12N 15/62 (2006.01)
C12N 5/10 (2006.01)
C12N 9/12 (2006.01)
C12N 15/70 (2006.01)
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(74) FB Rice Pty Ltd
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(21) 2021463993 (22) 10.09.2021
(54) COOLING ELEMENT AND A METHOD IN CONNECTION WITH A COOLING ELEMENT
(51) Int. Cl.
F27B 3/24 (2006.01)
C21B 7/10 (2006.01)
F27B 1/28 (2006.01)
F27D 9/00 (2006.01)
F27D 21/00 (2006.01)
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A61K 31/4045 (2006.01)
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A61P 25/00 (2006.01)
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A61K 35/12 (2015.01)
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A61P 37/06 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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G01N 9/12 (2006.01)
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G16H 30/40 (2018.01)
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B01D 53/28 (2006.01)
B01J 13/00 (2006.01)
B01J 20/28 (2006.01)
B01J 20/34 (2006.01)
C01B 32/198 (2017.01)
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H02S 40/10 (2014.01)
A47L 11/38 (2006.01)
F24S 25/67 (2018.01)
H02S 20/30 (2014.01)
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C21C 5/52 (2006.01)
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(54) DRY POWDER MEDICAMENT INHALER
(51) Int. Cl.
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A61M 16/12 (2006.01)
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C08B 37/00 (2006.01)
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C08L 5/04 (2006.01)
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(54) ALIMENTARY-RELATED PARTICLES, PRODUCTION METHODS, AND PRODUCTION APPARATUS
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A61K 9/51 (2006.01)
A23P 10/30 (2016.01)
A61K 9/50 (2006.01)
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(71) NUTCRACKER THERAPEUTICS, INC.
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E01C 11/20 (2006.01)
E02D 27/01 (2006.01)
E04B 5/02 (2006.01)
E04B 5/43 (2006.01)
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(54) SYSTEM AND METHOD FOR SUC-TION ANCHOR DEPLOYMENT
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B63B 21/27 (2006.01)
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E02D 27/52 (2006.01)
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A61B 17/00 (2006.01)
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C21C 5/46 (2006.01)
F27B 3/28 (2006.01)
F27D 19/00 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd

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B60K 13/04 (2006.01)
B60R 13/08 (2006.01)
F02B 77/11 (2006.01)
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A23L 27/00 (2016.01)
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F16L 37/092 (2006.01)
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F16L 41/02 (2006.01)
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(74) Allens Patent & Trade Mark Attorneys

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C07K 14/56 (2006.01)

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A61K 47/68 (2017.01)
A61P 31/12 (2006.01)
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G06V 20/10 (2022.01)
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F02F 3/00 (2006.01)
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F16J 9/00 (2006.01)
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A61K 31/7004 (2006.01)
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G01S 17/89 (2020.01)
G06V 20/17 (2022.01)
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B65D 25/38 (2006.01)
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H01R 13/627 (2006.01)
H01R 13/635 (2006.01)
H01R 24/30 (2011.01)
H01R 13/633 (2006.01)
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A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
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(74) Origin Patent and Trade Mark Attorneys

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A61B 5/00 (2006.01)
A45D 44/00 (2006.01)
G01J 3/50 (2006.01)
G06F 16/9535 (2019.01)
G06Q 30/0601 (2023.01)
G06T 7/90 (2017.01)
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C12N 5/10 (2006.01)
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C07K 14/47 (2006.01)
A61K 38/17 (2006.01)
A61K 45/00 (2006.01)
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A61P 27/02 (2006.01)
C07K 19/00 (2006.01)
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A61P 31/14 (2006.01)
C07D 401/12 (2006.01)
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C07D 403/02 (2006.01)
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A61B 18/24 (2006.01)
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A61M 25/10 (2013.01)
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(54) METHODS FOR PRODUCING SECURITY FEATURES EXHIBITING ONE OR MORE INDICIA
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B42D 25/373 (2014.01)
B42D 25/23 (2014.01)
B42D 25/29 (2014.01)
B42D 25/387 (2014.01)
B42D 25/40 (2014.01)
C09C 1/00 (2006.01)
C09D 11/03 (2014.01)
C09D 11/037 (2014.01)
C09D 11/101 (2014.01)
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C09D 11/50 (2014.01)
B41M 3/14 (2006.01)
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C01B 32/97 (2017.01)
C30B 1/00 (2006.01)
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(54) SYSTEM AND METHOD FOR PROVIDING ELECTRICAL POWER FROM A WIND TURBINE TO A HYDROGEN PRODUCTION SYSTEM
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H02J 3/38 (2006.01)
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G09F 3/10 (2006.01)
B65D 65/46 (2006.01)
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(54) BIODEGRADABLE LAMINATING FILM AND CONTAINER MADE OUT OF IT
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B32B 7/12 (2006.01)
B32B 15/08 (2006.01)
B32B 27/08 (2006.01)
B32B 27/30 (2006.01)
B32B 27/36 (2006.01)
B32B 27/40 (2006.01)
C08J 5/18 (2006.01)
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(51) Int. Cl.
H04W 88/16 (2009.01)
H04L 12/66 (2006.01)
H04L 45/02 (2022.01)
H04L 45/64 (2022.01)
H04W 4/18 (2009.01)
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F24S 23/74 (2018.01)
F24S 20/30 (2018.01)
F24S 23/70 (2018.01)
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F25B 27/00 (2006.01)
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C05G 3/00 (2020.01)
C05D 9/02 (2006.01)
C05F 11/00 (2006.01)
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A61P 3/10 (2006.01)
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A23L 33/12 (2016.01)
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C25B 3/25 (2021.01)
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A61K 9/127 (2006.01)
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A01N 37/06 (2006.01)
A01N 59/06 (2006.01)
A01N 59/08 (2006.01)
A01N 59/16 (2006.01)
A01P 3/00 (2006.01)
A01P 15/00 (2006.01)
B65D 81/28 (2006.01)
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C09D 7/63 (2018.01)
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A01N 25/28 (2006.01)
A23P 10/30 (2016.01)
A61K 8/11 (2006.01)
A61K 9/50 (2006.01)
C09B 67/02 (2006.01)
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A43B 1/00 (2006.01)
A43B 13/04 (2006.01)
A43B 13/12 (2006.01)
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A23J 1/00 (2006.01)
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B66F 9/00 (2006.01)
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 A61L 31/06 (2006.01)
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 A01N 33/02 (2006.01)
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 A23L 33/105 (2016.01)
 A23F 3/16 (2006.01)
 A23F 3/34 (2006.01)
 A23F 5/02 (2006.01)
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 A23F 5/44 (2006.01)
 A23L 2/02 (2006.01)
 A23L 2/38 (2021.01)
 A23L 2/385 (2006.01)
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 A61K 8/34 (2006.01)
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 A61Q 19/00 (2006.01)
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 A61K 8/36 (2006.01)
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 C07K 16/28 (2006.01)
 A61K 39/00 (2006.01)
 A61P 35/00 (2006.01)
 C07K 16/22 (2006.01)
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 A61K 35/15 (2015.01)
 A61P 35/00 (2006.01)
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 C12N 5/24 (2006.01)
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 A61K 38/17 (2006.01)
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 A61K 35/30 (2015.01)
 A61P 27/02 (2006.01)
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 (43) 16.03.2023
 (72) MONTELL, Denise; GUO, Xiaoran (Sharon); ACOSTA ALVEAR, Diego
 (74) FPA Patent Attorneys Pty Ltd

(71) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
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 (54) NOVEL WNT AGONIST ANTIBODIES AND THERAPEUTIC USES THEREOF
 (51) Int. Cl.
 C07K 16/28 (2006.01)
 A61K 39/395 (2006.01)

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(43) 23.03.2023
(72) LIU, Bin; LEE, Nam-Kyung; BIDLING-
 MAIER, Scott; SU, Yang
(74) PHILLIPS ORMONDE FITZPATRICK

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(21) 2022337151 **(22)** 02.09.2022
(54) NUCLEIC ACID SEQUENCES RE-
 SPONSIVE TO CREATININE IN CLIN-
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(51) Int. Cl.
C12Q 1/6876 (2018.01)
C07D 277/66 (2006.01)
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(31) 63/240,192 **(32)** 02.09.21 **(33)** US
(43) 09.03.2023
(72) STOJANOVIC, Milan; MILOSAVIC,
 Nenad; MOHAN, Sumit; JOVICIC,
 Jovan; STEVENS, Jacob
(74) Spruson & Ferguson

(71) THE UNITED STATES OF AMERICA,
 as represented by THE SECRETARY,
 DEPARTMENT OF HEALTH AND HU-
 MAN SERVICES
(11) AU-A-2022345251
(21) 2022345251 **(22)** 09.09.2022
(54) SYNTHETIC HUMANIZED LLAMA
 NANOBODY LIBRARY AND USE
 THEREOF TO IDENTIFY SARS-COV-2
 NEUTRALIZING ANTIBODIES
(51) Int. Cl.
C07K 16/10 (2006.01)
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(72) FU, Ying; FLEMING, Bryan, D.; RENN,
 Alex; HALL, Matthew, D.; SIMEONOV,
 Anton
(74) PHILLIPS ORMONDE FITZPATRICK

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(21) 2022325806 **(22)** 12.08.2022
(54) SMALL-PARTICLE SIZE POLYMERIC
 CHELATORS
(51) Int. Cl.
C08F 12/02 (2006.01)
(87) WO2023/018987
(31) 63/233,022 **(32)** 13.08.21 **(33)** US
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(43) 16.02.2023
(72) BERKLAND, Cory; QIAN, Jian
(74) Spruson & Ferguson

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(54) CROSS-LINKED POLYMERIC CHE-
 LATORS COMPOSITIONS AND USE
 THEREOF

(51) Int. Cl.
C08F 26/02 (2006.01)
A61P 39/04 (2006.01)
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(74) Spruson & Ferguson

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(54) WIRELESS COMMUNICATION PRO-
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(51) Int. Cl.
H04L 5/00 (2006.01)
H04L 5/22 (2006.01)
H04W 28/06 (2009.01)
H04W 72/04 (2023.01)
H04W 72/12 (2023.01)
H04W 74/08 (2009.01)
H04W 84/12 (2009.01)
H04W 88/08 (2009.01)
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(72) ZHANG, Litiyany; GU, Yifan; LI,
 Yonghui; VUCETIC, Branka; WANG,
 Rui
(74) FPA Patent Attorneys Pty Ltd

(71) THINKIN TECH
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(54) CURVED ULTRASOUND PROBE
(51) Int. Cl.
A61B 8/00 (2006.01)
(87) WO2023/021110
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(43) 23.02.2023
(72) VAYNBERG, Boris; ASCHER, Benjamin
(74) BOSH IP Pty Ltd

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 LTD.; JIANGSU HENGRUI PHARMA-
 CEUTICALS CO., LTD.
(11) AU-A-2022338842
(21) 2022338842 **(22)** 01.09.2022
(54) INHIBITOR OF PROSTATE SPECIF-
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 MACEUTICAL USE THEREOF
(51) Int. Cl.
A61K 51/04 (2006.01)
A61K 31/547 (2006.01)
A61P 35/00 (2006.01)
C07D 265/14 (2006.01)
(87) WO2023/030434
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 SUN, Jiyun; GUO, Feihu; LI, Xin
(74) FB Rice Pty Ltd

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(54) THERMAL INVERTER BOX
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C01B 3/04 (2006.01)
B01J 7/02 (2006.01)
C01B 3/50 (2006.01)
C01B 13/02 (2006.01)
F02B 43/00 (2006.01)
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(31) 2021107333 **(32)** 25.08.21 **(33)** AU
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(74) Spruson & Ferguson

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 EMPLOYING AN O₂ RICH STREAM
(51) Int. Cl.
C01B 17/79 (2006.01)
B01J 23/00 (2006.01)
C01C 1/02 (2006.01)
C01C 1/24 (2006.01)
C02F 1/461 (2023.01)
C05B 7/00 (2006.01)
C05B 11/08 (2006.01)
F25J 3/04 (2006.01)
(87) WO2023/073152
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(72) GRANROTH, Mårten Nils Rickard;
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 FELD, James Bernard
(74) Griffith Hack

(71) TORRENT ENERGY
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(21) 2022330135 **(22)** 19.08.2022
(54) SYSTEMS AND METHODS FOR THE
 PRODUCTION OF HYDROGEN AND
 CARBON
(51) Int. Cl.
B01J 19/08 (2006.01)
H01J 37/04 (2006.01)
H01J 37/32 (2006.01)
H05H 1/26 (2006.01)
(87) WO2023/023636
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 George Z.; HARMISON, Brian K.; US-
 TIMENKO, Alexandr; MOSSE, Alfred
 Lvovich; MESSERLE, Vladimir
(74) FPA Patent Attorneys Pty Ltd

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(11) AU-A-2022346524
(21) 2022346524 **(22)** 16.09.2022
(54) DISPLAY DEVICE AND METHOD FOR
 MANUFACTURING SAME
(51) Int. Cl.
G09F 9/30 (2006.01)
G09F 9/33 (2006.01)
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(72) KIM, Yong Beom; PARK, Ryong Min;
KIM, Eun Sung
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(21) 2022348352 (22) 16.09.2022
(54) DISPLAY DEVICE AND MANUFACTURING METHOD THEREFOR
(51) Int. Cl.
G09F 9/30 (2006.01)
G09F 9/33 (2006.01)
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(21) 2022382158 (22) 25.10.2022
(54) FOOD CONTAMINATION PREDICTION DEVICE, INFERENCE DEVICE, MACHINE LEARNING DEVICE, FOOD CONTAMINATION PREDICTION METHOD, INFERENCE METHOD, AND MACHINE LEARNING METHOD
(51) Int. Cl.
G06Q 10/04 (2023.01)
G05B 19/418 (2006.01)
G06N 20/00 (2019.01)
(87) WO2023/080010
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(74) Davies Collison Cave Pty Ltd

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(54) PROFILE COMPONENT, PROFILE, PROFILE REINFORCEMENT, PHOTO-VOLTAIC MODULE FRAME AND PHOTOVOLTAIC SYSTEM
(51) Int. Cl.
H02S 30/10 (2014.01)
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(31) 202222416211.6 (32) 13.09.22 (33) CN
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F24H 6/00 (2022.01)
F24H 1/08 (2022.01)

F24H 15/25 (2022.01)
F24H 15/335 (2022.01)
F24H 15/345 (2022.01)
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(72) WEISSENBACH, Victor
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(11) AU-A-2022344559
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(54) NETWORK CONNECTIVITY
(51) Int. Cl.
H04W 8/18 (2009.01)
H04W 8/20 (2009.01)
H04W 12/06 (2021.01)
H04W 60/00 (2009.01)
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(74) James & Wells Intellectual Property

(71) TUSIMPLE, INC.
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(21) 2022326576 (22) 12.08.2022
(54) SYSTEMS AND METHODS FOR AN AUTONOMOUS VEHICLE
(51) Int. Cl.
B60W 30/095 (2012.01)
B60Q 1/26 (2006.01)
B60W 60/00 (2020.01)
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(21) 2022379605 (22) 25.10.2022
(54) LANE BIAS MANEUVER FOR AUTONOMOUS VEHICLES TO NEGOTIATE A CURVED ROAD
(51) Int. Cl.
B60W 30/10 (2006.01)
B60W 30/09 (2012.01)
B60W 60/00 (2020.01)
(87) WO2023/076872
(31) 63/263,303 (32) 29.10.21 (33) US
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(21) 2022348682 (22) 06.09.2022
(54) SYSTEM FOR DETERMINING A PHYSIOLOGICAL PARAMETER OF A SUBJECT
(51) Int. Cl.
A61B 5/0295 (2006.01)
A61B 5/00 (2006.01)
A61B 5/02 (2006.01)
A61B 5/0205 (2006.01)
A61B 5/026 (2006.01)
A61B 5/029 (2006.01)
A61B 5/0507 (2021.01)
A61B 5/055 (2006.01)
A61B 5/08 (2006.01)
A61B 5/11 (2006.01)
A61B 5/113 (2006.01)
G16H 40/63 (2018.01)
G16H 40/67 (2018.01)
G16H 50/20 (2018.01)
G16H 50/70 (2018.01)
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(72) VAN DEN BERG, Cornelis Antonius Theodorus; STEENSMA, Bart R.
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(54) METHODS OF EDITING NUCLEIC ACID SEQUENCES
(51) Int. Cl.
C12N 15/70 (2006.01)
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(74) O'Sullivan's Patent and Trade Mark Attorneys Pty Ltd

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(21) 2022348828 (22) 15.09.2022
(54) NOVEL SYNERGISTIC COMBINATIONS AND METHODS OF USE THEREOF FOR TREATING CANCERS
(51) Int. Cl.
A61K 31/137 (2006.01)
A61K 31/366 (2006.01)
A61K 31/40 (2006.01)
A61K 31/4439 (2006.01)
A61K 31/496 (2006.01)
A61K 31/5375 (2006.01)
A61K 31/5377 (2006.01)
A61K 33/243 (2019.01)
A61K 45/06 (2006.01)
A61P 35/00 (2006.01)
A61P 35/04 (2006.01)

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G01N 31/22 (2006.01)
G01N 21/64 (2006.01)
G01N 21/78 (2006.01)
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(31) 2114557.8 (32) 12.10.21 (33) GB
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(74) PHILLIPS ORMONDE FITZPATRICK
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(54) BOVINE EPHEMERAL FEVER AND LUMPY SKIN DISEASE ANTIGENIC CONSTRUCTS
(51) Int. Cl.
A61K 39/12 (2006.01)
A61K 39/205 (2006.01)
A61K 39/275 (2006.01)
A61P 31/12 (2006.01)
A61P 31/14 (2006.01)
A61P 31/20 (2006.01)
C07K 14/005 (2006.01)
C12N 15/00 (2006.01)
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C12N 15/113 (2010.01)
C12N 5/079 (2010.01)
C12Q 1/68 (2018.01)
(87) WO2023/069478
(31) 63/257,827 (32) 20.10.21 (33) US
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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C12N 15/113 (2010.01)
C12N 5/079 (2010.01)
C12N 15/85 (2006.01)
(87) WO2023/069482
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(54) SUCTION STENT
(51) Int. Cl.
A61F 2/07 (2013.01)
A61F 2/04 (2013.01)
A61F 2/97 (2013.01)
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(72) HEISS, Constantin
(74) ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71) VANDERBILT UNIVERSITY
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(54) SYSTEMS AND METHODS OF IMPROVING SLEEP DISORDERED BREATHING
(51) Int. Cl.
A61N 1/05 (2006.01)
A61N 1/36 (2006.01)
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(31) 63/236,774 (32) 25.08.21 (33) US
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(72) KENT, David T.
(74) ACROGON GROUP PTY LTD
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H04W 24/00 (2009.01)
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(74) AJ Pietras IP Limited
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B29C 70/08 (2006.01)
B29C 70/06 (2006.01)
B29C 70/10 (2006.01)
B32B 5/02 (2006.01)
B32B 5/28 (2006.01)
C08J 5/24 (2006.01)
(87) WO2023/075795
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(74) CreateIP
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(54) LINEAR-ROTARY CAPSULE ACTUATOR FOR NUCLEAR SOURCE HOLDER
(51) Int. Cl.
G21F 5/015 (2006.01)
G21F 5/02 (2006.01)
G21F 5/06 (2006.01)
G21G 4/06 (2006.01)
(87) WO2023/039121
(31) 63/242,287 (32) 09.09.21 (33) US
(43) 16.03.2023
(72) FLOWER, Randall L.
(74) Spruson & Ferguson
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(54) APPARATUS FOR TRANSMITTING VARIABLE PULSES
(51) Int. Cl.
H04N 5/33 (2023.01)
A61B 5/00 (2006.01)
A61N 2/00 (2006.01)
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(72) HO, Conway; JIN, Derek Hertz
(74) A.P.T. Patent and Trade Mark Attorneys
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(54) SYSTEMS AND METHODS FOR IMPROVED ACOUSTIC DATA AND SAMPLE ANALYSIS
(51) Int. Cl.
G01V 11/00 (2006.01)

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G06N 20/00 (2019.01)
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(43) 23.02.2023
(72) RAVELLA, Michael; CASE, Michael
(74) Griffith Hack

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(11) AU-A-2022328509
(21) 2022328509 **(22)** 18.08.2022
(54) DUAL TUBE DRILL STRING COMPONENTS
(51) Int. Cl.
E21B 17/04 (2006.01)
E21B 17/18 (2006.01)
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(43) 23.02.2023
(72) DRENTH, Christopher L.; BRUBACHER, Adrian
(74) FPA Patent Attorneys Pty Ltd

(71) VIASAT, INC.
(11) AU-A-2022339660
(21) 2022339660 **(22)** 01.09.2022
(54) SOFTWARE DEPLOYMENT ON VEHICLES
(51) Int. Cl.
G06F 8/61 (2018.01)
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(87) WO2023/034541
(31) 63/239,861 **(32)** 01.09.21 **(33)** US
(43) 09.03.2023
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(74) Adams Pluck

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(51) Int. Cl.
B23B 47/34 (2006.01)
B23B 45/00 (2006.01)
B25D 16/00 (2006.01)
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(51) Int. Cl.
A61K 38/16 (2006.01)
A61K 38/39 (2006.01)
A61P 19/02 (2006.01)

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(74) Spruson & Ferguson

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(51) Int. Cl.
A23L 27/00 (2016.01)
A22C 13/00 (2006.01)
A23P 10/10 (2016.01)
B65D 65/46 (2006.01)
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(71) VISION TECH BIO PTY LTD
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(21) 2022325178 **(22)** 11.08.2022
(54) METHOD OF DETECTING ADENOMA
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G01N 33/574 (2006.01)
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(74) FB Rice Pty Ltd

(71) VORONOI INC.
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(21) 2022378269 **(22)** 28.10.2022
(54) QUINAZOLINE DERIVATIVE COMPOUND AND USE THEREOF
(51) Int. Cl.
C07D 239/74 (2006.01)
A61K 31/517 (2006.01)
A61P 3/04 (2006.01)
A61P 9/10 (2006.01)
A61P 9/12 (2006.01)
A61P 25/00 (2006.01)
A61P 35/00 (2006.01)
C07D 401/12 (2006.01)
C07D 403/12 (2006.01)
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C12N 15/11 (2006.01)
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C12N 15/113 (2010.01)
A61K 31/7088 (2006.01)
A61P 1/16 (2006.01)
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G01V 5/10 (2006.01)
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B65D 71/42 (2006.01)
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GARNIER, Jean-Michel; CHESNET,
Lauren N.; LYON, Jonathan
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LLC
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(51) Int. Cl.
B65B 21/24 (2006.01)
B65B 59/00 (2006.01)
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B62B 7/06 (2006.01)
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(51) Int. Cl.
B60N 2/28 (2006.01)
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HAUST PRESSURE RELIEF DEVICE
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F16K 24/04 (2006.01)
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A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
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NODX BIOTECH CO., LTD
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(54) MICROFLUIDIC CHIP AND MICRO-
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B01L 3/00 (2006.01)
B01J 19/00 (2006.01)
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CO., LTD.
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C07D 487/04 (2006.01)
A61K 31/5377 (2006.01)
A61P 35/00 (2006.01)
C07K 5/083 (2006.01)
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CHENG, Xinfan; YE, Fei; LI, Yao; NI,
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PROVIDING A SITE SPECIFIC FER-
TILIZER RECOMMENDATION
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A01C 21/00 (2006.01)
G06N 20/20 (2019.01)
G06Q 50/02 (2012.01)
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LIQUID LEVEL IN A MIXTURE OF A
GAS AND A LIQUID COMPRISING
TWO INTERMISCIBLE COMPONENTS
HAVING DIFFERENT DENSITIES AND
METHOD THEREOF
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G01F 23/00 (2022.01)
G01F 22/00 (2006.01)
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(21) 2022413339 (22) 13.12.2022
(54) JET EJECTOR ARRANGEMENT, SYS-
TEM AND USE THEREOF AND METH-
OD FOR OPERATING THE SAME
(51) Int. Cl.
F04F 5/04 (2006.01)
F04F 5/10 (2006.01)
F04F 5/16 (2006.01)
F04F 5/24 (2006.01)
F04F 5/42 (2006.01)
F04F 5/46 (2006.01)
F04F 5/48 (2006.01)
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HUTTUNEN, Tomi; PITKÄNEN, Henri;
BUJALSKI, Jakub
(74) Southern Cross Intellectual Property
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(21) 2021369479 (22) 26.10.2021
(54) LID ASSEMBLY FOR A CONTAINER
(51) Int. Cl.
B65D 47/12 (2006.01)
B65D 51/18 (2006.01)
B65D 51/24 (2006.01)
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H04M 3/00 (2006.01)
H04M 1/00 (2006.01)
H04W 12/06 (2021.01)
G06K 19/07 (2006.01)
H04M 1/667 (2006.01)
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 (72) DUGONI, Graham
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 (54) POWER AMPLIFICATION CIRCUIT
 AND POWER AMPLIFIER
 (51) Int. Cl.
H03F 1/02 (2006.01)
H03F 3/195 (2006.01)
H03F 3/213 (2006.01)
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 (74) Davies Collison Cave Pty Ltd

(71) ZELARION MALTA LIMITED
 (11) AU-A-2022342702
 (21) 2022342702 (22) 05.09.2022
 (54) METHOD AND COMPOSITION FOR
 INDUCING TOLERANCE
 (51) Int. Cl.
A61K 39/00 (2006.01)
A61K 31/675 (2006.01)
A61K 39/395 (2006.01)
A61P 37/06 (2006.01)
C07K 16/28 (2006.01)
 (87) WO2023/036745
 (31) 63/241,358 (32) 07.09.21 (33) US
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 (72) BERGLUND, David; BERGLUND, Erik
 (74) FB Rice Pty Ltd

(71) ZTE CORPORATION
 (11) AU-A-2022434088
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 (54) AGGREGATION LINK ESTABLISH-
 MENT AND RELEASE FOR WIRE-
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 (51) Int. Cl.
H04W 28/18 (2009.01)
H04W 4/12 (2009.01)
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 (72) KOU, Shuaihua; HAN, Xianghui; HAO,
 Peng
 (74) Spruson & Ferguson

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 (11) AU-A-2021464946
 (21) 2021464946 (22) 14.09.2021
 (54) SYSTEMS AND METHODS FOR UP-
 LINK TRANSMISSION SCHEME IN
 MULTI-TRP OPERATION
 (51) Int. Cl.
H04W 72/04 (2023.01)
 (87) WO2023/039700
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 (72) ZHANG, Yang; LU, Zhaohua; GAO, Bo;
 JIANG, Chuangxin
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(71) ZTE CORPORATION
 (11) AU-A-2021474232
 (21) 2021474232 (22) 19.11.2021
 (54) METHODS, DEVICES, AND SYSTEMS
 FOR TRANSMITTING AND RECEIV-
 ING SIGNAL FOR POWER MANAGE-
 MENT
 (51) Int. Cl.
H04W 52/18 (2009.01)
H04W 36/08 (2009.01)
H04W 52/48 (2009.01)
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2022340765	COMPENSO MEDTECH AS	2022344559	TRUPHON LIMITED
2022340820	THE COCA-COLA COMPANY	2022344582	ORUM THERAPEUTICS, INC.
2022341103	KSQ THERAPEUTICS, INC.	2022344719	KYOWA HAKKO BIO CO., LTD.
2022341191	THE REGENTS OF THE UNIVERSITY OF CALIFOR- NIA	2022344807	THE UNIVERSITY OF SYDNEY
2022341195	PDINNOVATIVE LLC	2022344836	CAREFUSION 303, INC.
2022341277	KARALLIEF, INC.	2022344928	APPLIED COGNITION, INC.
2022341307	BRIGHTCOVE, INC.	2022344988	HEMISPHERE MEDICAL LLC
2022341345	LETO LABORATORIES CO., LTD	2022344999	CHART ENERGY & CHEMICALS, INC.
2022341443	SHANDONG SIMCERE BIOPHARMACEUTICAL CO., LTD.	2022345017	ECOLAB USA INC.
2022341526	SANDVIK MINING AND CONSTRUCTION OY	2022345018	CELLORAM, INC.
2022341632	ALFRED'S FOODTECH LTD	2022345053	QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.
2022341634	REDEFINE MEAT LTD.	2022345084	CYTOMETRIC THERAPEUTICS, INC.
2022342080	AFFINIVAX, INC.	2022345103	BICARA THERAPEUTICS INC.
2022342157	METAGENOMI, INC.	2022345182	PRODEON MEDICAL CORPORATION
2022342168	FLAGSHIP PIONEERING INNOVATIONS VI, LLC	2022345251	THE UNITED STATES OF AMERICA, as represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
2022342169	FLAGSHIP PIONEERING INNOVATIONS VI, LLC	2022345283	ASTELLAS GENE THERAPIES, INC.
2022342176	SPRINGWORKS THERAPEUTICS, INC.	2022345323	WUXI BIOLOGICS IRELAND LIMITED
2022342220	D3 BIO (WUXI) CO., LTD.	2022345353	MEMBION GMBH
2022342245	RUBEDO LIFE SCIENCES, INC.	2022345714	SCHLUMBERGER TECHNOLOGY B.V.
2022342368	CAMBRIDGE ENTERPRISE LIMITED	2022345779	THE BOARD OF TRUSTEES OF THE LELAND STAN- FORD JUNIOR UNIVERSITY
2022342402	CHEVRON U.S.A. INC.	2022345789	NULIXIR INC.
2022342636	PROMECON PROCESS MEASUREMENT CONTROL GMBH	2022345855	KALIBER LABS INC.
2022342685	ALFA LAVAL CORPORATE AB	2022345880	ELI LILLY AND COMPANY
2022342702	ZELARION MALTA LIMITED	2022346033	AUSPEX PHARMACEUTICALS, INC.
2022342759	VISCOFAN, S.A.	2022346049	THE REGENTS OF THE UNIVERSITY OF CALIFOR- NIA
2022342769	MY BACCHUS	2022346193	DRAGIC, M.
2022342928	KAGOSHIMA UNIVERSITY; PEPTIDE INSTITUTE, INC.	2022346195	NICOVENTURES TRADING LIMITED
2022343016	SORANUS ARGE VE DANISMANLIK HIZMETLERI SANAYI TICARET ANONIM SIRKETI	2022346217	COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
2022343019	PTP TURBO SOLUTIONS, LLC; DANDACHLI, J.	2022346224	BAE SYSTEMS PLC
2022343110	BASF CORPORATION	2022346270	SICREATE GMBH
2022343116	MEMORIAL SLOAN-KETTERING CANCER CENTER; MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES; SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH; DANA-FARBER CANCER IN- STITUTE; STEVENS INSTITUTE OF TECHNOLOGY	2022346524	TOVIS CO., LTD.
2022343171	NEXTRACKER LLC	2022346628	CONOCOPHILLIPS COMPANY
2022343263	MUSC FOUNDATION FOR RESEARCH DEVELOP- MENT	2022346643	ISP INVESTMENTS LLC
2022343268	FLAGSHIP PIONEERING INNOVATIONS VI, LLC	2022346718	BISICHEM CO., LTD.
2022343270	METAGENOMI, INC.	2022346730	PEPTISYSTEMS AB
2022343271	FLAGSHIP PIONEERING INNOVATIONS VI, LLC	2022346789	OCUSOFT, INC.
2022343283	RELANCE WORLDWIDE CORPORATION	2022346806	KONGSBERG MARITIME AS
2022343302	SMILEBIOTEK ZHUHAI LIMITED	2022346816	BASF SE
2022343340	SHANGHAI QILU PHARMACEUTICAL RESEARCH AND DEVELOPMENT CENTRE LTD.; QILU ANIMAL HEALTH PRODUCTS CO., LTD.	2022346828	PFANNER SCHUTZBEKLEIDUNG GMBH
2022343399	HAKA GROUPS PARTICIPAÇÕES DE NEGÓCIOS S/A	2022346850	CEPHEID
2022343444	MICRON PURE, LLC	2022346861	FLAGSHIP PIONEERING INNOVATIONS VI, LLC
2022343550	DANA-FARBER CANCER INSTITUTE, INC.	2022346866	BIOGEN MA INC.
2022343565	VEGA AMERICAS, INC.	2022346981	BASF CORPORATION
2022343639	NICONOX LLC	2022347020	BAKER HUGHES OILFIELD OPERATIONS LLC
2022343656	ABBASI, A.A.	2022347033	ICU MEDICAL, INC.
2022343745	ATHENEX, INC.	2022347096	C-KORE SYSTEMS LIMITED
2022343749	FUJIFILM CELLULAR DYNAMICS, INC.; FUJIFILM HOLDINGS AMERICA CORPORATION	2022347099	BAE SYSTEMS PLC
2022343895	BOEHRINGER INGELHEIM VETMEDICA GMBH; NI- HON NOHYAKU CO., LTD.	2022347181	SOQUEL CO-PHARMA, LLC
2022343907	SANDVIK MINING AND CONSTRUCTION OY	2022347184	SCEPTER U.S. HOLDING COMPANY
2022343911	ORTHODRONE GMBH	2022347265	PRECISION PLANTING LLC
2022344131	ALIGOS THERAPEUTICS, INC.	2022347294	SOLUGEN, INC.
2022344154	DOLBY LABORATORIES LICENSING CORPORATION	2022347320	DEXCOM, INC.
2022344176	SEPHORA USA, INC.	2022347454	IOLYX THERAPEUTICS, INC.
2022344243	FLAGSHIP PIONEERING INNOVATIONS VI, LLC	2022347455	KALIBER LABS INC.
2022344251	FLAGSHIP PIONEERING INNOVATIONS VI, LLC	2022347507	EXPOSOME PVT. LTD.
		2022347771	SHANGHAI PUYOU BIOCHEMICAL CO., LTD.
		2022347835	SOFTBANK CORP.
		2022347897	KOMATSU LTD.
		2022348072	KNORR-BREMSE AUSTRALIA PTY LTD
		2022348153	EATON INTELLIGENT POWER LIMITED
		2022348167	PFANNER SCHUTZBEKLEIDUNG GMBH
		2022348201	HEPTARES THERAPEUTICS LIMITED

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2022348206	IPSEN BIOPHARM LIMITED	2022356435	JANSSEN PHARMACEUTICALS, INC.; AC IMMUNE SA
2022348225	AKITA UNIVERSITY; SUMITOMO CHEMICAL COMPANY, LIMITED	2022356508	ANJOUL, A.
2022348236	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI	2022356833	NIPPON STEEL CORPORATION
2022348242	ITO Ryoko	2022357237	SOCIETE DES PRODUITS NESTLE S.A.
2022348352	TOVIS CO., LTD.	2022357281	SWIMC LLC
2022348455	OPTT HEALTH INC.	2022357313	ROVI GUIDES, INC.
2022348488	NUTCRACKER THERAPEUTICS, INC.	2022357323	WESTROCK PACKAGING SYSTEMS, LLC
2022348491	CAPITAL ONE SERVICES, LLC	2022357457	OXFORD PHOTOVOLTAICS LIMITED
2022348502	ASC ENGINEERED SOLUTIONS, LLC	2022357458	SUBSEA 7 LIMITED
2022348581	C3.AI, INC.	2022358343	AMGEN INC.
2022348609	CURRENT WATER TECHNOLOGIES INC.	2022358453	NORTON (WATERFORD) LIMITED
2022348682	UMC UTRECHT HOLDING B.V.	2022358474	MAB DISCOVERY GMBH
2022348828	UNIVERSITE DE BORDEAUX; INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE - INSERM	2022358487	PROTINHI B.V.
2022349000	INTEGRATED DNA TECHNOLOGIES, INC.	2022358509	VIELA BIO, INC.
2022349077	SONOMA BIOTHERAPEUTICS, INC.	2022358522	SEAGEN INC.
2022349092	MED PROGRESS, LLC	2022358567	AGCO DO BRASIL SOLUÇÕES AGRÍCOLAS LTDA.
2022349101	PAVMED INC.	2022358590	SUPERIOR SPECIAL PROJECTS (PTY) LTD
2022349103	SOTIO BIOTECH INC.	2022358925	KARL LEIBINGER ASSET MANAGEMENT GMBH & CO. KG
2022349224	ROMBOUTS, C.M.M.N.	2022359265	BOSTON SCIENTIFIC SCIMED INC.
2022350066	OSMOSIS GROUP HOLDINGS PTY LTD	2022360061	THE CLOROX COMPANY
2022350248	BEIJING SINOHYTEC CO., LTD.	2022360084	F. HOFFMANN-LA ROCHE AG
2022350481	CARESTREAM DENTAL LLC	2022360118	ARLA FOODS AMBA
2022350507	NATIONAL OILWELL VARCO, L.P.	2022360194	HUAWEI TECHNOLOGIES CO., LTD.
2022350648	STANDARD ENERGY INC.	2022360530	REGULUS THERAPEUTICS INC.
2022350651	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY; THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	2022360627	YARA INTERNATIONAL ASA
2022350725	SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JI-ANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.; CHANGZHOU HANSOH PHARMACEUTICAL CO., LTD.	2022360838	REGENERON PHARMACEUTICALS, INC.
2022350731	FULBRIGHT MEDICAL INC.	2022360916	SAMSUNG ELECTRONICS CO., LTD.
2022351284	ROBERT BOSCH GMBH	2022360982	SEASPIKE, INC.
2022351480	LABORATORIOS FARMACÉUTICOS ROVI, S.A.	2022361227	JUVA LIFE, INC.
2022351782	ALPHA 311 LIMITED	2022361382	AMGEN INC.
2022351783	BLUE EARTH DIAGNOSTICS LIMITED	2022361454	SHOCKWAVE MEDICAL, INC.
2022351830	MESA NATURAL GAS SOLUTIONS, LLC	2022361674	BLUE SOLUTIONS
2022351838	CYTOLUTIONS, LLC	2022361691	GENMAB A/S
2022351973	WESTROCK PACKAGING SYSTEMS, LLC	2022361731	ADURO CLEAN TECHNOLOGIES
2022351987	MONASH UNIVERSITY	2022361940	NEUROTECH INTERNATIONAL LTD
2022352270	NIPPON STEEL CORPORATION	2022362273	PORTLAND TECHNOLOGY HOLDINGS LLC
2022352668	WAVE LIFE SCIENCES LTD.	2022362764	COOLBROOK OY
2022352779	WAVE LIFE SCIENCES LTD.	2022363657	OCEANEERING INTERNATIONAL, INC.
2022352786	QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER SMART HOME CO., LTD.	2022363841	REGENERON PHARMACEUTICALS, INC.
2022353032	IOLYX THERAPEUTICS, INC.	2022364186	COOLBROOK OY
2022353095	FLIGHTPATH BIOSCIENCES, INC.	2022364188	COOLBROOK OY
2022353150	COSENTINO RESEARCH & DEVELOPMENT, S.L.	2022364251	PRECISION PLANTING LLC
2022353152	AHLSTROM OYJ	2022364601	LEXMARK INTERNATIONAL, INC.
2022353841	ELANCO US INC.	2022364646	LOMOND THERAPEUTICS, INC.
2022353910	AMADEUS S.A.S.	2022365270	SYNGENTA CROP PROTECTION AG
2022354054	DRAGONFLY THERAPEUTICS, INC.	2022365357	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022354059	ABBOTT LABORATORIES	2022365402	COOLBROOK OY
2022354108	NORTON (WATERFORD) LIMITED	2022365454	PRECISION PLANTING LLC
2022354113	NV BEKAERT SA; CCL STRESSING INTERNATIONAL LTD	2022366225	COOLBROOK OY
2022354249	PELLICONI & C. S.P.A.	2022366249	UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS
2022354313	SOUTHERN GREEN GAS LIMITED	2022366282	CHEVRON U.S.A. INC.
2022354528	SAINT-GOBAIN PLACO	2022366637	JONES, M.D.
2022354566	DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS	2022367003	NEUROTECH INTERNATIONAL LTD
2022354567	NV BEKAERT SA; CCL STRESSING INTERNATIONAL LTD	2022367142	KUNSHAN XINYUNDA BIOTECH CO., LTD.
2022354615	KEMPOWER OYJ	2022367860	COOLBROOK OY
2022356075	NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG	2022367861	COOLBROOK OY
2022356241	LYRAS DK APS	2022368895	TRUMA GERÄTE-TECHNIK GMBH & CO. KG
2022356355	OY HALTON GROUP LTD.	2022369331	PURAC BIOCHEM B.V.
2022356432	ADVANTIGEN BIOSCIENCES, LLC	2022369913	DANA-FARBER CANCER INSTITUTE, INC.
		2022369984	UNIVERSITY OF ROCHESTER
		2022370306	NICOVENTURES TRADING LIMITED
		2022370552	UNIVERSITY OF ROCHESTER
		2022371178	SHOCKWAVE MEDICAL, INC.
		2022374266	BYD COMPANY LIMITED
		2022374279	BEIJING ZITIAO NETWORK TECHNOLOGY CO., LTD.
		2022374368	HILTI AKTIENGESSELLSCHAFT
		2022374973	TOPSOE A/S
		2022375154	TASCI S.R.L.
		2022375494	CJ CHEILJEDANG CORPORATION

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2022376934	ALCON INC.; ALCON RESEARCH, LLC
2022377854	GLOBERIDE, INC.
2022378269	VORONOI INC.
2022378504	3B PHARMACEUTICALS GMBH
2022378576	ATOSSA THERAPEUTICS, INC.
2022379482	MIRUM PHARMACEUTICALS, INC.
2022379605	TUSIMPLE, INC.
2022381205	REGENERON PHARMACEUTICALS, INC.
2022381308	SIEMENS GAMESA RENEWABLE ENERGY A/S
2022381333	LANXESS DEUTSCHLAND GMBH
2022381513	UNITED KINGDOM RESEARCH AND INNOVATION
2022381666	INOVA MEDICAL PTY LTD
2022382158	TOYO SEIKAN GROUP HOLDINGS, LTD.
2022383900	VIBICORE AB
2022389899	BOSTON SCIENTIFIC SCIMED INC.
2022390093	BOSTON SCIENTIFIC SCIMED INC.
2022390425	YARA INTERNATIONAL ASA
2022390503	XIAMEN UNIVERSITY; XIAMEN INNODX BIOTECH CO., LTD
2022396370	ASAHI GROUP HOLDINGS, LTD.; ASAHI BREWER-IES, LTD.
2022396550	THE PROCTER & GAMBLE COMPANY
2022397409	THE PROCTER & GAMBLE COMPANY
2022397673	BYD COMPANY LIMITED
2022398404	ASAHI GROUP HOLDINGS, LTD.; ASAHI BREWER-IES, LTD.
2022400601	KAHU.AI LIMITED
2022400888	BYD COMPANY LIMITED
2022402434	LELIT S.R.L.
2022408296	SUNGROW POWER SUPPLY CO., LTD.
2022413339	YARA INTERNATIONAL ASA
2022417357	COMMUNICATIONS TEST DESIGN, INC.
2022418485	SUNGROW POWER SUPPLY CO., LTD.
2022427243	I-SENS, INC.
2022428481	I-SENS, INC.
2022432100	VARONIS SYSTEMS, INC.
2022433364	VENITAS RESEARCH CENTER, INC.
2022434088	ZTE CORPORATION
2022451414	HITACHI CONSTRUCTION MACHINERY CO., LTD.
2022453597	BEIJING EACON TECHNOLOGY CO., LTD.
2023215508	DE SOUZA, D.J.
2023226643	WUJIANG TIANLONG ELECTRONIC MACHINERY EQUIPMENT CO., LTD.
2023254161	ACRES TECHNOLOGY
2023260710	COOPERVISION INTERNATIONAL LIMITED
2023274082	APIX BIOSCIENCES; PHYTANT
2023278065	TRINA SOLAR CO., LTD
2023285552	LG CHEM, LTD.
2023289367	YONDR, INC.
2023296339	STATE GRID CORPORATION OF CHINA; STATE GRID ECONOMIC AND TECHNOLOGICAL RESEARCH INSTITUTE CO., LTD; NR ELECTRIC CO., LTD.; XJ GROUP CORPORATION; NARI TECHNOLOGY CO.LTD; BEIJING SGITG ACCENTURE INFORMATION TECHNOLOGY CENTER CO., LTD.; HUAWEI TECHNOLOGY CO., LTD
2023319132	KIM, D.
2023324640	COOMTECH LIMITED

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2022334114	2022347181	<u>A23P 10 /-</u>	<u>A61B 10 /-</u>	2022351838	2022367003
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	2021388673 2021463571 2022329961 2022333595 2022338905 2022344391 2022345789 2022346033 2022347454 2022351480 2022353032 2022353841 2022365270 2022367142	2022389899 2022390093	2022341345 2022345018 2022347181 2022378269	<u>A61P 43 /-</u>	2022345353
		<u>A61M 99 /-</u>		2022333595	<u>B01D 63 /-</u>
<u>A61K 45 /-</u>		2022343639	<u>A61P 31 /-</u>	<u>A61P 7 /-</u>	2022345353
2021463571 2022327765 2022331585 2022333595 2022338478 2022341277 2022343745 2022347771 2022348828 2022379482	<u>A61L 17 /-</u>	<u>A61N 1 /-</u>	2022328512 2022336620 2022342080 2022343340 2022344131 2022353095 2022364646	2022348206	<u>B01J 13 /-</u>
	2022327835	2022334585 2022344988 2022349101		<u>A61P 9 /-</u>	2022338351 2022365270
<u>A61L 2 /-</u>		<u>A61N 2 /-</u>		2022332896 2022344391 2022349092 2022363841 2022378269	<u>B01J 19 /-</u>
<u>A61L 31 /-</u>	2022356241	2022433364	<u>A61P 35 /-</u>	<u>A61Q 19 /-</u>	2022330135 2022362764 2022364186 2022364188 2022365402 2022366225 2022367860 2022367861 2022390503
<u>A61K 47 /-</u>	<u>A61L 31 /-</u>	<u>A61P 11 /-</u>	2022326183 2022326553 2022326908 2022327765 2022328512 2022331585 2022332896 2022333595 2022334870 2022335237 2022336575 2022338478 2022338842 2022341443 2022342176 2022342220 2022343116 2022343263 2022343550 2022343745 2022344131 2022344391 2022344582 2022345018 2022345084 2022345323 2022346718 2022348828 2022349077 2022349103 2022350725 2022351783 2022354054 2022356432 2022358474 2022358522 2022361691 2022364646 2022367142 2022369913 2022378269	2022347184 2022356355	<u>B01J 20 /-</u>
	2022350651	2022343263 2022352779		<u>A62C 3 /-</u>	2021464566 2022338351 2022347507
2021388673 2022328512 2022329856 2022329895 2022333595 2022334942 2022339769 2022344582 2022346789 2022347454 2022350725 2022351480 2022353841 2022358522 2022367142	<u>A61M 11 /-</u>	<u>A61P 17 /-</u>		<u>A62C 37 /-</u>	<u>B01J 23 /-</u>
	2022343639	2022346789		2022356355	2022374973
<u>A61M 15 /-</u>		<u>A61P 19 /-</u>		<u>A63B 21 /-</u>	<u>B01J 3 /-</u>
2022334942 2022339769 2022344582 2022346789 2022347454 2022350725 2022351480 2022353841 2022358522 2022367142	2022343639 2022354108 2022358453	2022328598 2022329961 2022358509		2022331385	2022362764 2022364186 2022367861
<u>A61M 16 /-</u>		<u>A61P 25 /-</u>		<u>A63B 23 /-</u>	<u>B01J 6 /-</u>
2022335323 2022345182 2022371178	2022354108 2022358453	2021388673 2022328310 2022329462 2022329895 2022330718 2022346718 2022348201 2022360084 2022361940 2022367003 2022378269		2022331385	2022362764 2022364188 2022365402 2022367860
<u>A61K 48 /-</u>	<u>A61M 25 /-</u>			<u>A63F 11 /-</u>	<u>B01J 7 /-</u>
2022329856 2022332896 2022341191 2022343268 2022344528 2022345283 2022347771	2022335323 2022345182 2022371178			2023254161	2022335000
	<u>A61M 27 /-</u>			<u>A63F 9 /-</u>	<u>B01J 8 /-</u>
<u>A61K 49 /-</u>	2022381666			2023254161	2022346730
2022327892	<u>A61M 37 /-</u>	<u>A61P 27 /-</u>		<u>B01D 15 /-</u>	<u>B01L 3 /-</u>
<u>A61K 51 /-</u>	2022329961 2022350651	2022332896 2022341191 2022343302 2022344528 2022346049 2022347454 2022347771 2022353032		2022358343	2022390503
	<u>A61M 39 /-</u>		<u>A61P 37 /-</u>	<u>B01D 39 /-</u>	<u>B02B 1 /-</u>
2022338842 2022351783	2022331196 2022335323 2022344836 2022345182		2022327178 2022331241 2022338478 2022342702 2022344391	2022347507 2022353152	2022317786
				<u>B01D 46 /-</u>	<u>B03D 1 /-</u>
				2022343444	2022348225
				<u>B01D 53 /-</u>	<u>B03D 101 /-</u>
				2022338351 2022346981 2022354313	2022348225

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<u>B03D 103 /-</u>	<u>B32B 19 /-</u>	<u>B60T 7 /-</u>	<u>B65D 65 /-</u>	<u>C01B 17 /-</u>	<u>C05B 7 /-</u>
2022348225	2022354528	2022451414	2022325795 2022342759	2022374973	2022332966 2022374973
<u>B04B 1 /-</u>	<u>B32B 27 /-</u>	<u>B60W 30 /-</u>	<u>B65D 71 /-</u>	<u>C01B 3 /-</u>	<u>C05D 9 /-</u>
2022342685	2022357237	2022326576 2022379605	2022351973 2022357323	2022330378 2022335000 2022362764	2022332966 2022347294
<u>B04B 11 /-</u>	<u>B32B 5 /-</u>	<u>B60W 60 /-</u>	<u>B65D 77 /-</u>	<u>C01B 32 /-</u>	<u>C05F 11 /-</u>
2022342685	2021471596 2022343019	2022326576 2022379605	2022396370 2022398404	2022338351 2022346270	2022347294
<u>B04B 5 /-</u>	<u>B32B 7 /-</u>	<u>B61D 27 /-</u>	<u>B65D 81 /-</u>	<u>C01C 1 /-</u>	<u>C05G 3 /-</u>
2022342685	2022357237	2022348072	2022358590	2022374973	2022347294
<u>B05C 17 /-</u>	<u>B33Y 80 /-</u>	<u>B62B 7 /-</u>	<u>B65D 83 /-</u>	<u>C02F 1 /-</u>	<u>C05G 5 /-</u>
2022337278	2022354313	2022325475	2022396370	2022345017 2022347507 2022348609 2022374973	2022332966
<u>B08B 9 /-</u>	<u>B41M 3 /-</u>	<u>B62D 53 /-</u>	<u>B65D 85 /-</u>	<u>C02F 101 /-</u>	<u>C06B 21 /-</u>
2022327701	2022331113	2022331205	2022353152 2022358590 2022396370 2022398404	2022345017	2022339345
<u>B21C 37 /-</u>	<u>B42D 25 /-</u>	<u>B63B 21 /-</u>	<u>B65F 1 /-</u>	<u>C02F 103 /-</u>	<u>C06B 23 /-</u>
2022348502	2022330334	2022346806 2022363657	2022356508	2022345017	2022334708
<u>B21D 15 /-</u>	<u>B60D 1 /-</u>	<u>B63B 22 /-</u>	<u>B65G 1 /-</u>	<u>C02F 3 /-</u>	<u>C06B 47 /-</u>
2022348502	2022331205 2022334279	2022346806	2022336714	2022345353	2022334708
<u>B21D 17 /-</u>	<u>B60H 1 /-</u>	<u>B63B 35 /-</u>	<u>B65G 23 /-</u>	<u>C02F 5 /-</u>	<u>C07C 15 /-</u>
2022348502	2022348072	2022346806	2022343399	2022345017	2021463571
<u>B21H 7 /-</u>	<u>B60K 1 /-</u>	<u>B63J 3 /-</u>	<u>B66B 1 /-</u>	<u>C03B 5 /-</u>	<u>C07C 211 /-</u>
2022348502	2021469784	2022346806	2021464937	2022366225	2022339841
<u>B23B 45 /-</u>	<u>B60K 13 /-</u>	<u>B64C 29 /-</u>	<u>B66B 19 /-</u>	<u>C04B 111 /-</u>	<u>C07C 219 /-</u>
2022383900	2022343019	2022343911	2021465547	2022353150	2022339010
<u>B23B 47 /-</u>	<u>B60K 6 /-</u>	<u>B64C 39 /-</u>	<u>B66F 17 /-</u>	<u>C04B 26 /-</u>	<u>C07C 225 /-</u>
2022383900	2022400888	2022343911	2021464937	2022353150	2022361227
<u>B25D 16 /-</u>	<u>B60L 3 /-</u>	<u>B65B 21 /-</u>	<u>B66F 9 /-</u>	<u>C04B 7 /-</u>	<u>C07C 229 /-</u>
2022383900	2022348236	2022357323	2021464937 2021470182 2021470184	2022367860	<u>C07C 233 /-</u>
<u>B29C 43 /-</u>	<u>B60L 53 /-</u>	<u>B65B 59 /-</u>	<u>B67B 3 /-</u>	<u>C04B 9 /-</u>	2022345018
2022341195	2022348153 2022354615	2022357323	2022354249	2022367860	<u>C07C 235 /-</u>
<u>B29C 70 /-</u>	<u>B60L 58 /-</u>	<u>B65D 25 /-</u>	<u>B67C 3 /-</u>	<u>C05B 1 /-</u>	2022345018
2021471596	2022348236	2022347184	2022345880	2022332966	<u>C07C 29 /-</u>
<u>B30B 1 /-</u>	<u>B60N 2 /-</u>	<u>B65D 30 /-</u>	<u>B67D 1 /-</u>	<u>C05B 11 /-</u>	2022343110
2022341195	2022327698	2022325795	2022396370 2022398404	2022332966 2022374973	<u>C07C 307 /-</u>
<u>B32B 13 /-</u>	<u>B60Q 1 /-</u>	<u>B65D 47 /-</u>	<u>C01B 13 /-</u>	<u>C05B 19 /-</u>	2022345018
2022354528	2022326576	2021369479	2022335000	2022332966	
<u>B32B 15 /-</u>	<u>B60R 13 /-</u>	<u>B65D 51 /-</u>			
2022343019 2022357237	2022343019	2021369479			

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<u>C07C 311 /-</u>		<u>C07D 419 /-</u>	2022345103	<u>C08J 5 /-</u>	<u>C10G 9 /-</u>
2022345018	<u>C07D 257 /-</u>	2022342220	2022345283	2021464566	2022364186
<u>C07C 317 /-</u>	2022345018	<u>C07D 471 /-</u>	2022345779	2021471596	<u>C10L 1 /-</u>
<u>C07C 321 /-</u>	<u>C07D 263 /-</u>	2022343116	2022348206	2022357237	2022361731
2022345018	2022345018	2022343895	2022349000	<u>C08J 7 /-</u>	2022366282
<u>C07C 321 /-</u>	2022345018	2022364646	2022356435	2022358590	<u>C10L 10 /-</u>
2022348225	<u>C07D 265 /-</u>	2022369913	2022375494	<u>C08K 3 /-</u>	2022366282
<u>C07C 323 /-</u>	2022338842	<u>C07D 487 /-</u>	2022381205	2021464566	<u>C10M 105 /-</u>
2022345018	<u>C07D 271 /-</u>	2022336575	<u>C07K 16 /-</u>	<u>C08K 5 /-</u>	2022327545
2022348225	2022345018	2022343116	2022326908	2022346816	2022342402
<u>C07C 43 /-</u>	<u>C07D 277 /-</u>	2022343550	2022327178	2022328552	<u>C10M 111 /-</u>
2022361227	2022337151	2022343895	2022328512	<u>C08L 5 /-</u>	2022327545
<u>C07C 49 /-</u>	<u>C07D 285 /-</u>	2022360084	2022335237	2022340568	<u>C10M 169 /-</u>
2022361227	2022345018	2022378269	2022341443	2022342702	2022342402
<u>C07C 50 /-</u>	<u>C07D 291 /-</u>	<u>C07D 491 /-</u>	2022342928	<u>C08L 67 /-</u>	<u>C10N 20 /-</u>
2022361227	2022345018	2022343895	2022345251	2022345323	2022327545
<u>C07C 55 /-</u>	<u>C07D 307 /-</u>	2022346718	2022345323	2022345779	<u>C10N 30 /-</u>
2022369331	2022345018	<u>C07D 498 /-</u>	2022346049	2022350725	2022327545
<u>C07C 69 /-</u>	<u>C07D 317 /-</u>	2022343895	2022354054	<u>C08L 75 /-</u>	<u>C10N 50 /-</u>
2022361227	2022330718	<u>C07D 513 /-</u>	2022356432	2021464566	2022327545
<u>C07D 207 /-</u>	<u>C07D 333 /-</u>	2022343895	2022358474	<u>C08L 91 /-</u>	2022327545
2022346866	2022345018	<u>C07F 5 /-</u>	2022358522	2022346643	<u>C10N 50 /-</u>
<u>C07D 209 /-</u>	<u>C07D 401 /-</u>	2022343895	2022361382	<u>C09B 67 /-</u>	2022327545
2022329895	2022329895	<u>C07F 7 /-</u>	2022361691	2022363841	<u>C11C 3 /-</u>
2022339841	2022343116	2022339010	<u>C07K 19 /-</u>	2022365270	2022347181
<u>C07D 211 /-</u>	2022343340	2022343895	2022327178	<u>C09C 1 /-</u>	<u>C11D 3 /-</u>
2022328874	2022343895	2022351783	2022329856	2022330334	2022365270
<u>C07D 213 /-</u>	2022348201	<u>C07F 9 /-</u>	2022347771	<u>C09D 11 /-</u>	<u>C12N 1 /-</u>
2022343895	2022369913	2022348201	<u>C07K 5 /-</u>	2022330334	2022338101
<u>C07D 233 /-</u>	2022378269	<u>C07H 19 /-</u>	2022358487	2022331113	2022344719
2022329947	<u>C07D 403 /-</u>	2022344131	<u>C07K 7 /-</u>	<u>C09D 125 /-</u>	<u>C12N 15 /-</u>
2022342176	2022329895	<u>C07H 21 /-</u>	2022338478	2021463583	2022328853
<u>C07D 237 /-</u>	2022342220	2022344131	2022339769	<u>C09D 133 /-</u>	2022329462
2022343550	2022343340	2022346730	2022342928	2021463583	2022331241
2022343895	2022378269	<u>C07H 3 /-</u>	2022358487	<u>C09D 175 /-</u>	2022332896
<u>C07D 239 /-</u>	<u>C07D 405 /-</u>	2022317786	2022378504	2021463583	2022334794
2022343550	2022333595	<u>C07K 1 /-</u>	<u>C08B 37 /-</u>	<u>C09D 5 /-</u>	2022336620
2022343895	<u>C07D 409 /-</u>	2022358343	2022334942	2021463583	2022338478
<u>C07D 243 /-</u>	2022326553	<u>C07K 14 /-</u>	<u>C08F 12 /-</u>	<u>C09D 7 /-</u>	2022339769
2022360084	<u>C07D 413 /-</u>	2022326908	2022325806	2022358590	2022341345
<u>C07D 253 /-</u>	2022333595	2022327178	<u>C08F 26 /-</u>	<u>C10B 47 /-</u>	2022341443
2022343895	2022346718	2022328512	2022328289	2022348242	2022342157
<u>C07D 253 /-</u>	<u>C07D 417 /-</u>	2022330843	<u>C08G 63 /-</u>	<u>C10B 53 /-</u>	2022342168
2022343895	2022343895	2022331241	2022328552	2022348242	2022343270
2022343895	2022346718	2022336620	<u>C08J 11 /-</u>	2022348242	2022343271
	2022343895	2022341345	2022361731	2022348242	2022344251
	2022346718	2022342928			2022344528
		2022344243			2022344719
					2022345103
					2022345283
					2022346861
					2022349000

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2022352668	<u>C21B 7 /-</u>	<u>E02D 23 /-</u>	2022347020	<u>F04B 53 /-</u>	<u>F16L 1 /-</u>
2022352779			2022351830		
2022358343	2021463993	2022363657		2022329695	2022357458
2022360530			<u>E21B 47 /-</u>	2022331162	
2022369984	<u>C21C 5 /-</u>	<u>E02D 27 /-</u>		2022344999	<u>F16L 3 /-</u>
2022370552			2022328649		
2022375494	2022342636	2022354113		<u>F04B 9 /-</u>	2022331205
2022381513	2022356833	2022363657	<u>E21B 49 /-</u>		
	2022365402			2022344999	<u>F16L 37 /-</u>
<u>C12N 5 /-</u>		<u>E03B 3 /-</u>	2022346628		
	<u>C22B 1 /-</u>		2022347020	<u>F04D 13 /-</u>	2022343283
2022331585		2022338351			
2022334870	2022348225		<u>E21C 35 /-</u>	2022329695	<u>F16L 41 /-</u>
2022335705	2022352270	<u>E04B 5 /-</u>			
2022341103	2022356833		2022341526	<u>F04D 29 /-</u>	2022343283
2022341345		2022354113			
2022341443	<u>C22B 3 /-</u>	2022354567	<u>E21C 47 /-</u>	2022329695	<u>F16P 1 /-</u>
2022342169				2022331162	
2022342368	2022348225	<u>E04C 2 /-</u>	2022451414	<u>F04D 7 /-</u>	2022356075
2022343270	<u>C22C 1 /-</u>	2022354113	<u>F01N 13 /-</u>		<u>F16P 3 /-</u>
2022343271		2022354567			
2022343749	2022331917		2022327125	2022329695	2022356075
2022344251	2022333523	<u>E04C 3 /-</u>		<u>F04F 5 /-</u>	
2022344719			<u>F01N 3 /-</u>		<u>F17C 13 /-</u>
2022345779	<u>C22C 18 /-</u>	2022354113		2022413339	
2022349103			2022327125		2022330643
2022351838	2021463503	<u>E04C 5 /-</u>	<u>F02B 35 /-</u>	<u>F16B 17 /-</u>	<u>F17C 9 /-</u>
2022351987					
2022369984	<u>C22C 21 /-</u>	2022354113	<u>F02B 43 /-</u>	2022366637	2022330643
2022370552		2022354567		<u>F16B 7 /-</u>	
	2022331917	<u>E04H 15 /-</u>			<u>F21S 10 /-</u>
<u>C12N 7 /-</u>	2022333523		<u>F02B 77 /-</u>	2022366637	
		2022333641		<u>F16F 1 /-</u>	2021463783
2022354566	<u>C23C 2 /-</u>		<u>F02B 3 /-</u>		2021464163
				2022346224	<u>F21V 1 /-</u>
<u>C12N 9 /-</u>	2021463503	<u>E05C 17 /-</u>	<u>F02F 3 /-</u>		
				2022346224	<u>F21V 33 /-</u>
2022328853	<u>C25B 1 /-</u>	2022345053	<u>F02F 5 /-</u>	<u>F16H 1 /-</u>	2021463783
2022329856					
2022342157	2022330378	<u>E05D 11 /-</u>		2021469729	<u>F21Y 105 /-</u>
2022342169			<u>F02M 21 /-</u>	<u>F16H 25 /-</u>	
2022343268	<u>C25B 11 /-</u>	2022345053			2021464163
2022343270			<u>F03B 13 /-</u>	2022341195	<u>F21Y 107 /-</u>
2022344243	2022354313	<u>E05D 7 /-</u>		<u>F16H 57 /-</u>	
2022344251	<u>C25B 15 /-</u>	2022345053			2021464163
2022349092			<u>F03D 3 /-</u>	2021469729	<u>F21Y 113 /-</u>
	2022317786	<u>E21B 17 /-</u>		<u>F16J 15 /-</u>	
<u>C12P 13 /-</u>			<u>F03D 9 /-</u>	2022344999	<u>F21Y 115 /-</u>
	<u>C25B 3 /-</u>	2022328509		<u>F16J 9 /-</u>	
2022375494			<u>F03D 9 /-</u>		2021463783
	2022354313	<u>E21B 21 /-</u>		2022349224	2021464163
<u>C12P 19 /-</u>			<u>F03D 3 /-</u>		
	<u>C25B 9 /-</u>	2022350507		<u>F16K 24 /-</u>	<u>F23G 5 /-</u>
2022344719			<u>F03D 9 /-</u>		
<u>C12Q 1 /-</u>	2022330378	<u>E21B 33 /-</u>		2023226643	2022364188
			<u>F03D 9 /-</u>	<u>F16K 27 /-</u>	2023324640
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<u>F23L 15 /-</u>	2022374973	2022344176	2021463783	2022348581	2022356355
2022364188	<u>F26B 17 /-</u>	<u>G01N 15 /-</u>	<u>G05B 19 /-</u>	<u>G06Q 10 /-</u>	<u>G08B 21 /-</u>
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A61K 31/517 (2006.01)
A61P 35/00 (2006.01)
C07D 401/06 (2006.01)
C07D 401/10 (2006.01)
C07D 401/12 (2006.01)
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H04W 4/06 (2009.01)
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G01P 5/165 (2006.01)
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B60L 50/50 (2019.01)
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H04W 4/06 (2009.01)

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H04W 12/06 (2021.01)

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H04L 5/00 (2006.01)
H04W 72/04 (2023.01)

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C10M 169/06 (2006.01)
C10M 171/02 (2006.01)

C10M 117/00 (2006.01)

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C10M 137/10 (2006.01)

C10N 10/02 (2006.01)

C10N 10/04 (2006.01)

C10N 20/00 (2006.01)

C10N 20/02 (2006.01)

C10N 30/06 (2006.01)

C10N 40/00 (2006.01)

C10N 40/02 (2006.01)

C10N 50/10 (2006.01)

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A61J 1/00 (2006.01)

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B65G 19/24 (2006.01)
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A23L 2/39 (2006.01)
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C03C 3/078 (2006.01)
C03C 12/00 (2006.01)
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H04L 47/765 (2022.01)
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A61K 31/4375 (2006.01)
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A61K 45/06 (2006.01)
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A61P 21/00 (2006.01)
A61P 25/00 (2006.01)
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H05K 3/40 (2006.01)
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C12G 3/08 (2006.01)
C12H 6/04 (2019.01)
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C09D 167/00 (2006.01)
C08G 63/668 (2006.01)
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A01B 71/02 (2006.01)
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C12N 15/85 (2006.01)
A61K 48/00 (2006.01)
C07H 21/02 (2006.01)
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C07D 493/22 (2006.01)
A61K 31/357 (2006.01)
A61P 35/00 (2006.01)
C07D 309/10 (2006.01)
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H01B 7/295 (2006.01)
C01B 32/174 (2017.01)
C08K 3/016 (2018.01)
C08K 3/04 (2006.01)
C08L 23/08 (2006.01)
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B01D 11/02 (2006.01)
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A61P 31/18 (2006.01)
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C07D 211/46 (2006.01)
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G06K 7/10 (2006.01)
G06K 15/02 (2006.01)
G06K 19/02 (2006.01)
G06K 19/07 (2006.01)
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C12N 9/40 (2006.01)
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G07C 9/38 (2020.01)
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B01J 8/02 (2006.01)
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C10G 45/44 (2006.01)
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(74) FB Rice Pty Ltd

Xuzhou Coal Mine Safety Equipment Manufacture Co., Ltd. see China University of Mining and Technology
(21) 2022331904

(71) XWpharma Ltd.
(11) AU-B-2021293941
(21) 2021293941 (22) 17.06.2021
(54) Pharmaceutical granulations of water-soluble active pharmaceutical ingredients
(51) Int. Cl.
A61K 9/16 (2006.01)
A61K 31/00 (2006.01)
(87) WO2021/257832
(31) 63/040,780 (32) 18.06.20 (33) US
(43) 23.12.2021
(44) 28.03.2024
(72) XIANG, Jia-Ning; KARABORNI, Sami; XIANG, William W.; CANAFAX, Daniel M.
(74) Minter Ellison

(71) Yuyama Mfg. Co. Ltd.
(11) AU-B-2022203243
(21) 2022203243 (22) 13.05.2022
(54) Image Processing Program and Image Processing Apparatus
(51) Int. Cl.
G06T 7/00 (2017.01)
A61J 3/00 (2006.01)
G06K 19/06 (2006.01)
(43) 02.06.2022
(44) 28.03.2024
(62) 2017252847
(72) Ito, Koji; Matsunaga, Maki; Sugimoto, Tomohiro
(74) Zone Patents Limited

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(71) Zelira Therapeutics Operations Pty Ltd
(11) AU-B-2018286647
(21) 2018286647 (22) 19.06.2018
(54) Sleep disorder compositions and treatments thereof
(51) Int. Cl.
A61K 31/352 (2006.01)
A61K 31/05 (2006.01)
A61K 36/04 (2006.01)
A61P 25/20 (2006.01)
(87) WO2018/232448
(31) 2017902338 (32) 19.06.17 (33) AU
2017904818 29.11.17 AU
(43) 27.12.2018
(44) 28.03.2024
(72) Gordon, Mara; Smith, Stewart; Washer, Stewart; Washer, Patrizia; Karelis, Harry
(74) Griffith Hack

(71) Zhejiang Chint Electrics Co.,Ltd.
(11) AU-B-2020442183
(21) 2020442183 (22) 25.12.2020
(54) Circuit breaker
(51) Int. Cl.
H01H 71/04 (2006.01)
H01H 71/10 (2006.01)
H01H 71/58 (2006.01)
(87) WO2021/208488
(31) 202010284872.0 (32) 13.04.20 (33) CN
(43) 21.10.2021
(44) 28.03.2024
(72) LU, Kejun; YANG, An
(74) IP SOLVED (ANZ) PTY. LTD.

(71) Zhejiang CHINT Electrics Co., Ltd.
(11) AU-B-2020442884
(21) 2020442884 (22) 26.12.2020
(54) Plug-in circuit breaker
(51) Int. Cl.
H01H 71/10 (2006.01)
H01H 9/22 (2006.01)
(87) WO2021/208493
(31) 202010287394.9 (32) 13.04.20 (33) CN
(43) 21.10.2021
(44) 28.03.2024
(72) LU, Kejun; YANG, An
(74) IP SOLVED (ANZ) PTY. LTD.

(71) Zhejiang Cosin Solar Technology Co., Ltd
(11) AU-B-2021207943
(21) 2021207943 (22) 11.01.2021
(54) Heliostat frame and heliostat thereof, and heliostat field
(51) Int. Cl.
F24S 25/20 (2018.01)
F24S 23/70 (2018.01)
G02B 7/182 (2021.01)
(87) WO2021/143636
(31) 202010031804.3 (32) 13.01.20 (33) CN
202010032374.7 13.01.20 CN
(43) 22.07.2021
(44) 28.03.2024
(72) JIN, Jianxiang; XU, Neng; MI, Xiaoling; ZHANG, Xuzhong; HUANG, Yuanming; LIN, Da; TAN, Xiao; ZHU, Zhengping; CHEN, Kangli; XIAO, Tingting
(74) Madderns Pty Ltd

ZINGARI, F. see GALLO, F.
(21) 2019299684

(71) Zodiac Pool Care Europe
(11) AU-B-2018335965
(21) 2018335965 (22) 24.09.2018
(54) Swimming pool cleaning apparatus having a debris separation device operating by centrifugal spinning and filtration
(51) Int. Cl.
E04H 4/16 (2006.01)
(87) WO2019/057968
(31) 62/561,841 (32) 22.09.17 (33) US
1762981 22.12.17 FR
(43) 28.03.2019
(44) 28.03.2024
(72) PICHON, Philippe; BLANC TAILLEUR, Philippe; MC QUEEN, E. Keith
(74) FB Rice Pty Ltd

(71) ZTE Corporation
(11) AU-B-2020462141
(21) 2020462141 (22) 06.08.2020
(54) Systems and methods for random access channel resource determination
(51) Int. Cl.
H04W 72/04 (2009.01)
H04W 74/08 (2009.01)
(87) WO2022/027409
(43) 10.02.2022
(44) 28.03.2024
(72) CAO, Wei; ZHANG, Nan; ZHANG, Chenchen; YANG, Zhen
(74) Spruson & Ferguson

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2017207818	Sangamo Therapeutics, Inc.; Regents of the University of Minnesota	2018276068	Marine Biomedical Pty Ltd
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2017210601	Royal Melbourne Institute of Technology	2018278513	The Veggleto Company Pty Limited
2017214475	ADS Therapeutics LLC	2018279011	Co-Packers (Qld) Pty Ltd
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2017277269	City of Hope; Board of Regents, The University of Texas System	2018282841	Nippon Zoki Pharmaceutical Co., Ltd.; National Cancer Center
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2017365846	Universite de Bordeaux; Centre National de la Recherche Scientifique; Institut d'Optique Théorique et Appliquée	2018285530	Enable Injections, Inc.
2017371182	Gliknik Inc.	2018285855	Sage Products, LLC
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2017381651	Syngenta Participations AG	2018287142	Universidad de Navarra; Consejo Nacional De Investigaciones Científicas Y Técnicas; Universidad Nacional De Córdoba
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2017421288	Corning Research & Development Corporation	2018288530	Smith & Nephew plc
2017421290	Corning Research & Development Corporation	2018288541	Abiomed Europe GmbH
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2017432599	Halliburton Energy Services, Inc.	2018290780	Corning Research & Development Corporation
2017437551	Warner, W.; Stark, T.	2018290948	Corning Research & Development Corporation
2018202176	Miles, S.	2018293913	Breville Pty Limited
2018203981	Specialized Desanders Inc.	2018298431	Treeway TW001 B.V.
2018209481	Senecio Ltd.	2018300009	The General Hospital Corporation
2018212298	IQIP Holding B.V.	2018300198	An Udder IP Company Ltd
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2018221170	Eisai R&D Management Co., Ltd.	2018309149	Raison, LLC; Hagen, T.
2018229453	Imtrade Australia Pty Ltd	2018313784	Curt Manufacturing, LLC
2018229491	Otis Elevator Company	2018317363	Duracell U.S. Operations, Inc.; National Technology & Engineering Solutions of Sandia, LLC
2018229677	NXT Building System Pty Ltd	2018320647	Lamberti SpA
2018231179	Joy Global Underground Mining LLC	2018321157	Novo Nordisk A/S
2018234107	MEGMILK SNOW BRAND Co., Ltd.	2018323865	STERIS Corporation
2018235992	Lewis, I.	2018326386	Bayer HealthCare LLC
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2018240480	Tactical Medical Solutions, LLC; Morris, J.	2018332144	Prometheus Surgical Limited
2018245982	PepsiCo, Inc.	2018333032	Thornton Tomasetti Defence Limited
2018247265	Manneschi, A.	2018335965	Zodiac Pool Care Europe
2018248425	Alkahest Inc.	2018337752	Arcutis Biotherapeutics, Inc.
2018249209	Fugro Technology B.V.	2018338994	Glaukos Corporation
2018251187	Dana-Farber Cancer Institute, Inc.	2018343865	Centre National de la Recherche Scientifique; Université Paris XII Val de Marne
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2018254529	Seattle Children's Hospital (dba Seattle Children's Research Institute)	2018347623	Inno-Spin LLC
2018263344	Compagnie Generale des Etablissements Michelin	2018357903	Kalverkamp Innovation GmbH
2018264882	Baxter International Inc.; Baxter Healthcare SA	2018359532	Allogene Therapeutics, Inc.
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		2018381037	Rheem Manufacturing Company

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2018381061	Nomen Calvet, J.; Hanganu, D.; WGA Water Global Access, SL	2019331005	Xenon Pharmaceuticals Inc.
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2018383336	Halliburton Energy Services, Inc.	2019362330	Boehringer Ingelheim International GmbH
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2018386182	Genzyme Corporation	2019367163	Future Health Works Ltd.
2018386896	IFP Energies nouvelles	2019369395	Cognixion
2018388843	Equinor Energy AS	2019379789	Allinky Biopharma
2018390476	Auris Health, Inc.	2019380236	Intel Corporation
2018390914	Nutriad International	2019398651	Bitdefender IPR Management Ltd
2018396335	Idemitsu Kosan Co., Ltd.	2019447744	Huawei Digital Power Technologies Co., Ltd.
2018397881	Nichiha Corporation	2020218104	BioKey BV
2018398052	Sekisui Chemical Co., Ltd.	2020241863	Regeneron Pharmaceuticals Inc.
2018400229	KWB Global Limited	2020255297	The Cotter Crate Limited
2018420983	Prysmian S.p.A.; Politecnico di Milano	2020256466	Immutep S.A.S; Novartis AG
2018422776	Visa International Service Association	2020262269	Soma Oil LLC
2018427174	Halliburton Energy Services, Inc.	2020272564	Netafim Ltd.
2018436197	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2020279376	Berkshire Biomedical Corporation
2018448114	Pujing Chemical Industry Co., Ltd	2020288170	Cricut, Inc.
2019200984	The Boeing Company	2020294669	Huawei Technologies Co., Ltd.
2019201057	The Boeing Company	2020299537	Jinx Innovations, LLC
2019202006	Monahan Products, LLC	2020322893	Wuxi Hisky Medical Technologies Co., Ltd.
2019202048	Orica International Pte Ltd	2020325024	KNOW Bio, LLC
2019202944	Reifenhäuser GmbH & Co. KG Maschinenfabrik	2020325449	Qingdao Haier Washing Machine Co., Ltd.; Aqua Co., Ltd.; Haier Smart Home Co., Ltd.
2019207608	Recurium IP Holdings, LLC	2020327894	Caterpillar Inc.
2019211018	Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek TNO	2020341965	Beijing Roborock Technology Co., Ltd.
2019211178	Tyco Fire Products LP	2020357181	PTL Opco LLC
2019211746	Ocean Floor Geophysics Inc.	2020357202	The Procter & Gamble Company
2019215201	Qualcomm Incorporated	2020360256	The Procter & Gamble Company
2019215515	CodeStream, Inc.; Pezaris, P.; Captech, LLC	2020368614	GSK Consumer Healthcare SARL
2019220997	Syngenta Participations AG	2020370808	Arkema France
2019228086	Precision Planting LLC	2020382379	Taiho Pharmaceutical Co., Ltd.; Astex Pharmaceuticals, Inc.
2019229779	Western Clinical Engineering Ltd.	2020389897	GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
2019233471	Kirin Holdings Kabushiki Kaisha	2020394163	LG Electronics Inc.
2019233753	LEDGER, SAS	2020400805	LG Chem, Ltd.
2019237329	Aurigene Discovery Technologies Limited	2020404975	GlaxoSmithKline Consumer Healthcare Holdings (US) LLC
2019239150	Landis+Gyr Technology, Inc.	2020408067	Novartis AG; Pliant Therapeutics, Inc.
2019241892	TuSimple, Inc.	2020408139	Eli Lilly and Company
2019242384	Simpson Strong-Tie Company Inc.	2020415579	Toppa Inc.
2019242872	Safe Foods Corporation	2020420882	Huawei Technologies Co., Ltd.
2019252434	Cornell University	2020422462	Porifera Inc.
2019253500	Faradion Limited	2020431937	Hitachi, Ltd.
2019255638	Lexmark International, Inc.	2020432839	LG Electronics Inc.
2019255688	Fain, R.	2020437428	Accendatech; Nankai University
2019257638	Rheem Manufacturing Company	2020442183	Zhejiang Chint Electrics Co., Ltd.
2019258524	Dolby International AB	2020442884	Zhejiang CHINT Electrics Co., Ltd.
2019259791	Johnson & Johnson Consumer Inc.	2020446627	LG Electronics Inc.
2019263754	Chevron U.S.A. Inc.	2020454130	WD-40 Manufacturing Company
2019264874	KA Imaging Inc.	2020455074	Nanjing Iron & Steel Co., Ltd.
2019266309	Sonoco Development, Inc.	2020462141	ZTE Corporation
2019271199	Blastpoint, Inc.	2020470391	Henan Longcheng Coal High Efficiency Technology Application Co., Ltd.
2019272607	Jupeng Bio (HK) Limited	2020472441	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
2019273656	Adeptio Pharmaceuticals Limited	2020472724	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
2019274950	Chana, G.	2021200836	Erasmus University Medical Center Rotterdam
2019277371	Danisco US Inc.	2021203111	ENERGERA INC.
2019280170	Société des Produits Nestlé S.A.	2021203997	BioAtla, LLC
2019284914	Avon Products, Inc.	2021207486	W. L. Gore & Associates, Inc.
2019287571	Grey Market Labs, PBC	2021207943	Zhejiang Cosin Solar Technology Co., Ltd
2019289911	PathoQuest	2021212882	Spiral Turn Co., Ltd
2019290034	BAE Systems Australia Limited	2021214397	Baker Hughes Oilfield Operations LLC
2019295577	TuSimple, Inc.	2021216474	Unigen, Inc.
2019298222	Cytex Industries Inc.	2021221282	Alcon Inc.
2019298549	Sumitomo Chemical Company, Limited	2021221488	President and Fellows of Harvard College
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2019303325	Dematic GmbH	2021223579	Koninklijke Douwe Egberts B.V.
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2019316562	The General Hospital Corporation		
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2021231439	International Business Machines Corporation	2022201135	VERTEX PHARMACEUTICALS (EUROPE) LIMITED
2021232574	Orthofix US LLC	2022201154	IDEXX Laboratories Inc.
2021234947	The University of Sydney	2022201202	Dexcom, Inc.
2021236363	Fraunhofer-Gesellschaft Zur Förderung Der Ange- wandten Forschung E.V.	2022201232	CROWN EQUIPMENT CORPORATION
2021236493	DSM Nutritional Products, LLC	2022201272	Emerson Digital Cold Chain, Inc.
2021238531	Wonderland Switzerland AG	2022201364	Werner Co.
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2021240803	Vetco Gray Scandinavia AS	2022201600	TMA Capital Australia Pty Ltd
2021245822	Colgate-Palmolive Company	2022201726	SPECIALTY OPERATIONS FRANCE
2021246118	Veru Inc.	2022201731	Beta Therapeutics Pty Ltd
2021248280	Huawei Technologies Co., Ltd.	2022202322	Gordon Sports, LLC
2021248301	Shaanxi Giant Biotechnology Co., Ltd	2022202828	Savage Medical, Inc.
2021251253	Schlage Lock Company LLC	2022202862	Astraea Therapeutics, LLC
2021253210	Oxford Ionics Limited	2022202940	AqueSys, Inc.
2021258060	Tufts University; Tufts Medical Center	2022202993	LG ELECTRONICS INC.
2021259848	Church & Dwight Co., Inc.	2022203001	ERIS, K.
2021260949	Baker Hughes Oilfield Operations LLC	2022203048	Evolva SA
2021260982	Novartis AG	2022203243	Yuyama Mfg. Co. Ltd.
2021261834	Bühler AG	2022203527	Acentium Inc.
2021264045	International Business Machines Corporation	2022203554	G1 Therapeutics, Inc.; The Board of Trustees of the University of Illinois
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2021267101	Universitätsspital Basel	2022204328	Fujitsu Limited
2021269429	THE CHEMOURS COMPANY FC, LLC	2022204384	Applied Medical Resources Corporation
2021275662	Apple Inc.	2022204781	Palairt, T.
2021281699	Wisegrow Investments Pty Ltd	2022204848	Nokia Technologies Oy
2021282423	Wonderland Switzerland AG	2022204906	Viotika Life Sciences Inc.
2021282536	Illumina, Inc.	2022206171	Sanford, L.P.
2021284950	Dräger Safety AG & Co. KGaA	2022206515	HUAWEI TECHNOLOGIES CO., LTD.
2021286043	Hangzhou Hikvision Digital Technology Co., Ltd.	2022209353	Foongtone Technology Co., Ltd
2021289913	Mitsubishi Tanabe Pharma Corporation	2022214125	DAMAE MEDICAL
2021290375	Sorrento Therapeutics, Inc.	2022218541	Nicoventures Trading Limited
2021293941	XWpharma Ltd.	2022218570	Precision Planting LLC
2021301263	PPG Industries Ohio, Inc.	2022221493	Pfizer Inc.
2021303387	Rocky Research	2022221525	Emerging Compounds Treatment Technologies, Inc.
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2021319322	Huawei Technologies Co.,Ltd.	2022224694	enVveno Medical Corporation
2021321050	Mizkan Holdings Co., Ltd.	2022228415	CHEVRON U.S.A. INC.
2021322835	Geonavo Positioning Systems, Inc.	2022230997	BOSTON SCIENTIFIC SCIMED, INC.
2021325729	Ocado Innovation Limited	2022234935	NGK INSULATORS, LTD.
2021326209	Abbisko Therapeutics Co., Ltd	2022235580	UCB Pharma GmbH
2021327616	ST Pharm Co., Ltd.	2022238127	FUKUOKA INSTITUTE OF TECHNOLOGY
2021327729	Shell Internationale Research Maatschappij B.V.	2022241541	BrainChip, Inc.
2021333711	Deng, M.	2022241630	Mollick, P.
2021334402	GFM GmbH	2022256099	National Student Clearinghouse
2021335797	RAI Strategic Holdings, Inc.	2022256116	Amgen Inc.
2021336246	Fujikura Ltd.; Nippon Telegraph and Telephone Corpor- ation	2022257583	CATERPILLAR GLOBAL MINING EQUIPMENT LLC
2021342739	Nicoventures Trading Limited	2022264594	Standard Bariatrics, Inc.
2021349774	GOOGLE LLC	2022267947	DE NORA PERMELEC LTD
2021368390	QILU UNIVERSITY OF TECHNOLOGY	2022268283	Illumina, Inc.
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2021369232	NIPPON STEEL CORPORATION	2022271474	Verathon Inc.
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2021374990	HINGE HEALTH, INC.	2022281095	DORMAKABA SCHWEIZ AG
2021379607	CHEVRON U.S.A. INC.	2022283627	Acer Incorporated
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2021426616	POPSOLAR TECHNOLOGY (TAIXING) CO., LTD	2022312171	GAT THERAPEUTICS, S.L.
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2021437024	Nanjing Normal University	2022337209	BCI MINING TECHNOLOGY PTY LTD
2021449517	WINBO-Dongjian Automotive Technology Co., Ltd.	2022378146	LEUNG, W.O.
2021464668	TEREX SOUTH DAKOTA, INC.	2022417277	BIOLOGY INSTITUTE OF SHANDONG ACADEMY OF SCIENCES
2022200180	Bayer HealthCare LLC	2023200073	Smith & Nephew, Inc.
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2022201059	CarbonCure Technologies Inc.		

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2023203001	Eli Lilly and Company
2023203461	Mammoet Holding B.V.
2023204314	Apple Inc.
2023219868	Surface Solutions Pty Ltd
2023222878	Quabba, C.
2023270243	THE UNIVERSITY OF MELBOURNE
2023274125	Dolby International AB
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<u>A01C 7 I/-</u>	2022301619	2018265880	<u>A61B 17 I/-</u>	<u>A61F 5 I/-</u>	2021267101
2019228086	2018229453	2018282841	2018332144	2018368743	2021289913
<u>A01D 41 I/-</u>	<u>A01N 57 I/-</u>	2019233471	2018343865	<u>A61F 9 I/-</u>	2021293941
2018357903	2018320647	2019280170	2018374600	2018338994	2021310228
<u>A01D 46 I/-</u>	2022201726	<u>A23L 5 I/-</u>	2019229779	2022202940	2021326209
2018274940	<u>A01N 59 I/-</u>	2021321050	2020357181	<u>A61G 13 I/-</u>	2021327616
<u>A01F 12 I/-</u>	2022301619	<u>A24B 15 I/-</u>	2021207486	2018285855	2021335797
2018357903	<u>A01N 63 I/-</u>	2021335797	2022202828	<u>A61G 7 I/-</u>	2022201135
<u>A01G 31 I/-</u>	2018212652	2022218541	2022204384	2018285855	2022201731
2018213284	2018307356	<u>A24B 3 I/-</u>	2022264594	<u>A61J 1 I/-</u>	2022202862
<u>A01H 5 I/-</u>	2018309149	2022218541	<u>A61B 18 I/-</u>	2018285530	2022203554
2017381651	<u>A01P 7 I/-</u>	<u>A24F 40 I/-</u>	2018323865	2020279376	2022204906
<u>A01J 5 I/-</u>	2019298549	<u>A24F 47 I/-</u>	<u>A61B 3 I/-</u>	2022200180	2022235580
2018300198	<u>A21B 1 I/-</u>	2021342739	2018338994	2022201154	2022291416
<u>A01K 1 I/-</u>	2018293913	<u>A24F 47 I/-</u>	<u>A61B 34 I/-</u>	<u>A61J 3 I/-</u>	2022291454
2018209481	<u>A23B 4 I/-</u>	2018378149	20183390476	2018265303	<u>A61K 33 I/-</u>
2020255297	<u>A23C 11 I/-</u>	2022218541	<u>A61B 5 I/-</u>	2022203243	2018276068
<u>A01K 29 I/-</u>	<u>A23C 13 I/-</u>	<u>A43B 17 I/-</u>	2018279823	<u>A61J 7 I/-</u>	2019259791
2018209481	2018234107	2021212882	2018288530	2020279376	<u>A61K 35 I/-</u>
<u>A01K 43 I/-</u>	<u>A23F 5 I/-</u>	<u>A43B 7 I/-</u>	2018338994	2022200180	2017214749
2018306664	<u>A23J 3 I/-</u>	2021212882	2020279376	2022201154	2018212652
<u>A01K 63 I/-</u>	2018278513	<u>A44B 11 I/-</u>	2022201202	<u>A61K 3 I/-</u>	2018213284
2018209481	<u>A23K 20 I/-</u>	2018240480	<u>A61B 6 I/-</u>	2018265303	2018217404
<u>A01K 67 I/-</u>	2018390914	<u>A45F 5 I/-</u>	2019264874	2022203243	2018254442
2018209481	2019272607	2020299537	<u>A61B 8 I/-</u>	<u>A61J 31 I/-</u>	2018254529
	2019277371	<u>A47B 5 I/-</u>	2020322893	2018285530	2019233471
	2019280170	2023222878	<u>A61C 1 I/-</u>	2020279376	<u>A61K 36 I/-</u>
		<u>A47B 96 I/-</u>	2019299684	2017236905	2018286647
		2023222878	<u>A61C 8 I/-</u>	2018213412	2018307356
				2018221170	2020262269
				2018238202	2020357202
				2018248425	2020360256
				2018265880	2021216474
				2018282841	2022291416
				2018286647	<u>A61K 38 I/-</u>
				2018298431	2017236905
				2018337752	2018212652
				2018359532	2018254442
				2018367623	2018321157
				2018372008	2019349201
				2018382217	2020400805
				2018386182	2020408139
				2019207608	2021258060
				2019220997	<u>A61K 39 I/-</u>
				2019237329	2017277269
				2019273656	2017371182
				2019316858	2018287142
					2018290298
					2021203997

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2021260982 2022203720		2017207818 2018386182 2019349201 2021258060 2022201731	2021245822	<u>B01J 13 /-</u>	<u>B05D 5 /-</u>
<u>A61K 45 /-</u>	<u>A61M 39 /-</u>		<u>A62C 3 /-</u>	2021259848	2021234947
2017236905 2018386182 2020408067 2021260982	2018368743		2019211178	<u>B01J 19 /-</u>	<u>B07B 1 /-</u>
	<u>A61M 5 /-</u>	<u>A61P 31 /-</u>	<u>A62C 35 /-</u>	2019211018	2018382236
	2018285530 2018326386 2022202940	2018221170 2018248425 2018307356 2019207608 2021327616 2022204906 2022221493	2019211178	<u>B01J 2 /-</u>	<u>B08B 3 /-</u>
<u>A61K 47 /-</u>			<u>A62C 37 /-</u>	2019277371	2018203981
2017214475 2018265880 2018287171 2018290298 2018321157 2018337752 2018372008 2019259791 2020400805 2022203720	<u>A61M 60 /-</u>		2018301849 2019211178	<u>B01J 27 /-</u>	<u>B08B 9 /-</u>
	2018288541		<u>A62D 1 /-</u>	2019242872	2018203981
	<u>A61N 1 /-</u>	<u>A61P 33 /-</u>	2021269429	<u>B01J 3 /-</u>	<u>B25C 1 /-</u>
	2018300009 2022287594	2018372008 2019220997	<u>A63B 43 /-</u>	2020262269	2017343367 2018361393
	<u>A61N 5 /-</u>	<u>A61P 35 /-</u>	2022202322	<u>B01J 31 /-</u>	<u>B25J 5 /-</u>
<u>A61K 48 /-</u>	2020325024	2018238202 2018254442 2018282841 2018287142 2018287171 2019207608 2019316858 2019348752 2020256466 2020382379 2020437428 2021203997 2021248301 2021260982 2021265578 2021310228 2021326209 2022201731 2022291454	<u>A63B 57 /-</u>	2019242872	
	<u>A61P 1 /-</u>		2022204781	<u>B01J 8 /-</u>	2021240803
2017207818 2017209189 2018254529 2021221488	2018367623 2019259791 2019379789 2020408067 2021310228		<u>A63B 69 /-</u>	2019211018 2021327729	<u>B28B 1 /-</u>
<u>A61K 51 /-</u>			2018282496	<u>B01L 3 /-</u>	2018397881
2017371182	<u>A61P 11 /-</u>		<u>A63H 27 /-</u>	2022201154	<u>B28B 13 /-</u>
<u>A61K 6 /-</u>	2019348752		2017437551	<u>B01L 9 /-</u>	2018397881
2018276068	<u>A61P 17 /-</u>		<u>B01D 11 /-</u>	2022201154	<u>B28B 5 /-</u>
<u>A61K 8 /-</u>	2019233471 2021289913		2022291416	<u>B02C 21 /-</u>	2018397881
2019284914 2020357202 2020360256 2021245822	<u>A61P 19 /-</u>		<u>B01D 17 /-</u>	2020262269	<u>B29C 43 /-</u>
	2021216474		2018360590	<u>B02C 23 /-</u>	2021334402
<u>A61K 9 /-</u>	<u>A61P 21 /-</u>	<u>A61P 37 /-</u>	<u>B01D 21 /-</u>	2021261834	<u>B29C 44 /-</u>
2018248425 2018287142 2018298431 2018321157 2018337752 2018372008 2018382217 2019259791 2021290375 2021293941	2021260982	2017371182 2018221170 2018248425 2019348752	2018203981	<u>B02C 25 /-</u>	2019200984
	<u>A61P 25 /-</u>		<u>B01D 3 /-</u>	2021261834	<u>B29C 53 /-</u>
	2017214749 2018213412 2018286647 2018298431 2019273656 2019331005 2019362330 2021260982 2021267101 2022235580	<u>A61P 43 /-</u>	2018386896	<u>B02C 4 /-</u>	2021334402
<u>A61L 27 /-</u>			<u>B01D 35 /-</u>	2021261834	<u>B29C 64 /-</u>
2018266193 2018276068	<u>A61P 27 /-</u>	2018282841 2021289913	2018360590	<u>B03C 3 /-</u>	2018265303
<u>A61M 1 /-</u>	2018287142 2022201731	<u>A61P 7 /-</u>	<u>B01D 39 /-</u>	2021437024	<u>B29C 65 /-</u>
		2021289913	2021230179	<u>B05B 11 /-</u>	2018364492
2018288530 2021230179	<u>A61P 29 /-</u>	2021289913	<u>B01D 46 /-</u>	2020404975	<u>B29C 70 /-</u>
<u>A61M 25 /-</u>	2018382217 2019348752	<u>A61P 9 /-</u>	2018302176	<u>B05B 12 /-</u>	2019201057 2021334402
2018368743		2022312171	<u>B01D 5 /-</u>	2022201390	<u>B29K 101 /-</u>
<u>A61M 37 /-</u>	<u>A61P 3 /-</u>	<u>A61Q 1 /-</u>	2021234947	<u>B05B 9 /-</u>	2018364492
		2019284914	<u>B01D 53 /-</u>	2022201390	<u>B29L 31 /-</u>
		<u>A61Q 11 /-</u>	2018302176 2019211018	<u>B05D 1 /-</u>	2018364492 2021334402
		2020357202 2020360256	<u>B01D 61 /-</u>	2021234947	<u>B32B 27 /-</u>
		<u>A61Q 19 /-</u>	2018266639	<u>B05D 3 /-</u>	2020288170 2020368614
				2021259848	

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<u>B32B 3 /-</u>	<u>B60L 50 /-</u>	2019266309 2020368614	2022301619	2022234935	<u>C07D 407 /-</u>
2019200984	2019447744	<u>B65D 83 /-</u>	<u>C01B 32 /-</u>	<u>C07D 207 /-</u>	2022235580
<u>B32B 33 /-</u>	<u>B60L 7 /-</u>	2020454130	2018420983	2022221493	<u>C07D 409 /-</u>
2019255688	2020431937	<u>B65D 90 /-</u>	<u>C01G 53 /-</u>	<u>C07D 209 /-</u>	2019331005 2022235580
<u>B32B 37 /-</u>	<u>B60N 2 /-</u>	2021203111	2019253500 2024201376	2019316562 2022235580 2022291416	<u>C07D 413 /-</u>
2019200984	2021282423	<u>B65G 1 /-</u>	<u>C02F 1 /-</u>	<u>C07D 211 /-</u>	2019331005 2022201731 2022235580
<u>B32B 7 /-</u>	<u>B60P 3 /-</u>	2021221282 2021325729	2018266639 2018360590 2022201059 2022221525 2022221527 2022267947	2019207608 2019316562	<u>C07D 417 /-</u>
2020288170	2018216680	<u>B65G 17 /-</u>	2018231179	<u>C07D 213 /-</u>	2019331005 2022235580
<u>B41J 2 /-</u>	<u>B60R 3 /-</u>	2018231179	<u>B65G 19 /-</u>	2019220997 2019331005	<u>C07D 421 /-</u>
2022206171	2021449517	2018231179	<u>C02F 101 /-</u>	<u>C07D 215 /-</u>	2022235580
<u>B41J 29 /-</u>	<u>B60R 5 /-</u>	<u>B65G 23 /-</u>	2022378146	2022201135	<u>C07D 471 /-</u>
2022206171	2018202176	2018231179	<u>C02F 3 /-</u>	<u>C07D 239 /-</u>	2019207608 2019316858 2019331005 2021265578 2021327616 2022235580
<u>B41M 3 /-</u>	<u>B60T 7 /-</u>	<u>B65G 47 /-</u>	2018213284	2021326209 2022201731	<u>C07D 295 /-</u>
2020415579	2018313784	2018330326	2022378146	<u>C07D 295 /-</u>	<u>C07D 487 /-</u>
2020288170	2018216680	<u>B66B 7 /-</u>	<u>C03C 12 /-</u>	2019207608	2019316858 2019331005 2019348752 2022203554
<u>B42D 25 /-</u>	<u>B62B 7 /-</u>	2018229491	2020432839	<u>C07D 307 /-</u>	<u>C07D 491 /-</u>
2020415579	2021238531	<u>B66C 1 /-</u>	<u>C03C 3 /-</u>	2020437428 2022204906	2019207608
<u>B60B 27 /-</u>	<u>B62B 9 /-</u>	2018212298	2020432839	<u>C07D 309 /-</u>	<u>C07D 493 /-</u>
2018328312	2019202006 2021238531	<u>B66C 23 /-</u>	<u>C04B 22 /-</u>	2022291454	2022235580 2022291454
<u>B60B 3 /-</u>	<u>B62D 53 /-</u>	2023203461	2022201059	<u>C07D 311 /-</u>	<u>C07D 519 /-</u>
2018328312	2021240194	<u>B66F 11 /-</u>	<u>C05G 3 /-</u>	2020262269	2022235580 2022291454
<u>B60B 35 /-</u>	<u>B62D 55 /-</u>	2021464668	2022201726 2023270243	<u>C07D 333 /-</u>	<u>C07D 519 /-</u>
2021381549	2020327894	<u>B66F 19 /-</u>	<u>C07C 1 /-</u>	2022235580	<u>C07F 7 /-</u>
<u>B60C 11 /-</u>	<u>B63B 27 /-</u>	2022331904	2019211018 2022234935	<u>C07D 401 /-</u>	2022291454
2018263344	2018212298	<u>B66F 7 /-</u>	<u>C07C 29 /-</u>	2019237329 2019298549 2019331005 2019379789 2021289913 2021326209 2022202862 2022235580	<u>C07F 9 /-</u>
<u>B60C 13 /-</u>	<u>B63C 11 /-</u>	2021464668	2019211018	<u>C07D 403 /-</u>	2018221170 2022204906 2022291416
2018263344	2019211746	<u>B66F 9 /-</u>	<u>C07C 403 /-</u>	<u>C07D 403 /-</u>	<u>C07H 19 /-</u>
<u>B60C 19 /-</u>	<u>B63G 8 /-</u>	2021381549 2022201232	2022312171	2019237329 2021326209 2022201731	2018221170
2018263344	2019211746	<u>B67D 1 /-</u>	<u>C07C 407 /-</u>	<u>C07D 405 /-</u>	<u>C07H 21 /-</u>
<u>B60D 1 /-</u>	<u>B64C 1 /-</u>	2018245982	2019242872	2019362330 2019379789 2022201731 2022235580	2021221488 2022200787
2022241630	2019200984	<u>B67D 3 /-</u>	<u>C07C 41 /-</u>	<u>C07K 14 /-</u>	
<u>B60G 3 /-</u>	<u>B64C 3 /-</u>	2018245982	2019211018		
2021381549	2019200984	<u>B67D 7 /-</u>	<u>C07C 7 /-</u>		
<u>B60L 15 /-</u>	<u>B65D 5 /-</u>	2020279376 2021203111	<u>C07C 9 /-</u>		
2020431937	2019266309	<u>C01B 17 /-</u>			
<u>B60L 3 /-</u>	<u>B65D 75 /-</u>				
2020431937					

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2018254442		<u>C11D 3 /-</u>	<u>C12P 19 /-</u>	<u>D04H 1 /-</u>	2022281095
2018290298	<u>C09K 3 /-</u>				
2020400805		2023274150	2022200787	2019202944	<u>E21B 17 /-</u>
2020408139	2021269429				
2021203997		<u>C11D 7 /-</u>	<u>C12P 21 /-</u>	<u>D04H 3 /-</u>	2018266290
2021258060	<u>C09K 5 /-</u>				
2022203720		2020432839	2019272607	2019202944	<u>E21B 23 /-</u>
2023203001	2021269429		2019349201		
		<u>C12C 11 /-</u>		<u>D05C 15 /-</u>	2018383336
<u>C07K 16 /-</u>	<u>C09K 8 /-</u>		<u>C12P 7 /-</u>		2021214397
		2020422462		2018385202	
2017214475	2018275786		2018301674		<u>E21B 33 /-</u>
2017235465	2018427174	<u>C12G 3 /-</u>		<u>D06F 7 /-</u>	
2017277269	2021260949		<u>C12Q 1 /-</u>		2018383336
2017371182		2020422462		2020325449	2021214397
2018254442	<u>C10G 3 /-</u>		2018235992		2021240803
2020256466		<u>C12H 6 /-</u>	2018251187	<u>E02D 31 /-</u>	
2021200836	2021327729		2018277210		<u>E21B 34 /-</u>
2021203997		2020422462	2019289911	2018265269	
	<u>C10G 45 /-</u>		2021282536		2021214397
<u>C07K 19 /-</u>		<u>C12M 1 /-</u>	2022200787	<u>E02F 9 /-</u>	2021240803
	2021327729		2022417277		
		2018235992		2018282628	<u>E21B 4 /-</u>
2019349201	<u>C10G 49 /-</u>		<u>C12R 1 /-</u>		
2021203997		<u>C12M 3 /-</u>		<u>E03B 3 /-</u>	2021240803
	2021327729		2023270243		
<u>C08F 212 /-</u>		2018398052		2021234947	<u>E21B 41 /-</u>
	<u>C10G 65 /-</u>		<u>C21D 8 /-</u>		
2021236493		<u>C12N 1 /-</u>		<u>E03F 5 /-</u>	2017432599
	2021327729		2020455074		2021240803
<u>C08F 8 /-</u>		2018235992	2021368439	2018360590	
	<u>C10M 117 /-</u>	2019233471	2021369232		<u>E21B 43 /-</u>
2018398052		2019272607		<u>E04B 1 /-</u>	
	2018396335	2023270243	<u>C22B 1 /-</u>		2018203981
<u>C08G 63 /-</u>		<u>C12N 15 /-</u>		2019242384	2018388843
	<u>C10M 135 /-</u>		2022238127	<u>E04B 5 /-</u>	2021214397
2018448114		2017207818			2021260949
2021301263	2018396335	2017209189	<u>C22B 3 /-</u>	2018229677	
	<u>C10M 137 /-</u>	2017378153			<u>E21B 47 /-</u>
<u>C08G 8 /-</u>		2020241863	2019298222	<u>E04C 5 /-</u>	
	2018396335	2021203997	2022238127		2017432599
2021236493		2021221488	2024201376	2018229677	2022337209
<u>C08J 9 /-</u>	<u>C10M 169 /-</u>	2021282536	<u>C22B 34 /-</u>	2018279011	
		2022203048			<u>E21B 49 /-</u>
2021269429	2018396335		2022238127	<u>E04G 1 /-</u>	
		<u>C12N 5 /-</u>			2021379607
<u>C08K 3 /-</u>	<u>C10M 171 /-</u>		<u>C22C 38 /-</u>	2021464668	<u>E21B 7 /-</u>
		2017207818		2022201364	
2018420983	2018396335	2017214749	2020455074		2022337209
2023219868	2021269429	2017342467	2021368439	<u>E04G 11 /-</u>	
	<u>C10N 10 /-</u>	2017365846	2021369232		<u>E21D 11 /-</u>
<u>C08L 23 /-</u>		2017371182		2018344510	
	2018396335	2018217404	<u>C23C 14 /-</u>	<u>E04G 21 /-</u>	2018265269
2018420983		2018254442			
<u>C09D 125 /-</u>	<u>C10N 20 /-</u>	2018398052	2017210601	2018344510	<u>E21F 13 /-</u>
		2021203997			
2023219868	2018396335	2021221488	<u>C23F 13 /-</u>	<u>E04G 3 /-</u>	2018231179
<u>C09D 167 /-</u>	<u>C10N 30 /-</u>	<u>C12N 9 /-</u>	2019211746	2018344510	<u>E21F 17 /-</u>
			2021281699		
2021301263	2018396335	2017207818	<u>C25B 1 /-</u>	<u>E04H 12 /-</u>	2022331904
	<u>C10N 40 /-</u>	2017378153			<u>F03D 13 /-</u>
<u>C09D 183 /-</u>		2019277371	2022234935	2023203461	
	2018396335	2022203048	2022267947	<u>E04H 4 /-</u>	2023203461
2021301263		2023270243			
<u>C09D 5 /-</u>	<u>C10N 50 /-</u>	<u>C12P 15 /-</u>	<u>C25B 15 /-</u>	2018335965	<u>F03D 80 /-</u>
2021234947	2018396335	2022203048	2022267947	<u>E04H 9 /-</u>	2020389897
2023219868		<u>C12P 17 /-</u>	<u>C25B 9 /-</u>		<u>F03G 7 /-</u>
<u>C09D 7 /-</u>	<u>C11D 17 /-</u>			2019242384	
		2018301674	2022267947	<u>E05F 15 /-</u>	2018266639
2023219868	2020432839				

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<u>F15B 15 /-</u>	<u>F24F 13 /-</u>	<u>F28F 21 /-</u>	<u>G01N 35 /-</u>	<u>G02B 7 /-</u>	2019215515 2023201259
2017343367 2018344510	2022202993	2019255688	2018209481 2022201154	2021207943	<u>G06F 8 /-</u>
<u>F16C 33 /-</u>	<u>F24H 1 /-</u>	<u>F28F 3 /-</u>	<u>G01P 13 /-</u>	<u>G05B 17 /-</u>	2019215515 2019321589 2022203527
2018347623	2019257638	2019255688	2023200890	2019303325	<u>G05B 19 /-</u>
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2022281095	<u>G16H 30 /-</u>	<u>H01M 10 /-</u>	2022206515	<u>H05B 6 /-</u>
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2019241892	<u>G16H 40 /-</u>	<u>H01M 50 /-</u>	2019398651 2022204848 2022337209	<u>H05K 1 /-</u>
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<u>G08B 25 /-</u>	<u>H01F 27 /-</u>	2022209353 2022257583	<u>H04N 23 /-</u>	
2019295577	2021368439 2021369232 2021371520	<u>H02J 7 /-</u>	2021349774	
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2022201600	2021371520	2023202207	2021387768	
<u>G09C 1 /-</u>	<u>H01H 1 /-</u>	<u>H02K 1 /-</u>	<u>H04S 7 /-</u>	
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<u>G10L 21 /-</u>	<u>H01H 71 /-</u>	<u>H02K 9 /-</u>	<u>H04W 4 /-</u>	
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<u>G11B 27 /-</u>	<u>H01H 9 /-</u>	<u>H02M 3 /-</u>	<u>H04W 52 /-</u>	
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2020218104				

Certified Innovation Patents**Name Index**

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

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- (71)** Croc Hinge Pty Ltd
(11) AU-B-2023100066
(21) 2023100066 **(22)** 21.07.2023
(54) Accessory bracket for a vehicle roof rack
(51) Int. Cl.
B60R 9/042 (2006.01)
B60R 9/045 (2006.01)
B60R 9/048 (2006.01)
B60R 9/058 (2006.01)
(45) 28.03.2024
(62) 2020204433
(72) Wilson, Stephen
(74) O'Sullivan's Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Fullard, H.
(11) AU-B-2021105556
(21) 2021105556 **(22)** 16.08.2021
(54) Portable shower apparatus
(51) Int. Cl.
A47K 3/28 (2006.01)
B05B 7/02 (2006.01)
B05B 11/10 (2023.01)
(31) 2021901340 **(32)** 05.05.21 **(33)** AU
(45) 28.03.2024
(72) Fullard, Harrison
(74) Patentec Patent Attorneys
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- (71)** Lay, K.
(11) AU-B-2021101202
(21) 2021101202 **(22)** 08.03.2021
(54) Placemat
(51) Int. Cl.
A47G 23/03 (2006.01)
(45) 28.03.2024
(72) Lay, Karen
(74) Integrated IP
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- (71)** Rotam Agrochem International Company Limited
(11) AU-B-2017100455
(21) 2017100455 **(22)** 26.04.2017
(54) A NOVEL CRYSTALLINE FORM OF SPIROTETRAMAT, A PROCESS FOR ITS PREPARATION AND USE OF THE SAME
(51) Int. Cl.
A01N 43/16 (2006.01)
A01N 25/00 (2006.01)
A01N 47/06 (2006.01)
(45) 28.03.2024
(62) 2017202401
(72) Bristow, James Timothy
(74) Madderns Pty Ltd

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2017100455	Rotam Agrochem International Company Limited
2021101202	Lay, K.
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2021105556

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B60R 9 /-

2023100066

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

2017279736 **Britax Childcare Pty Ltd** (HBG IP Holding Pty Limited)

Patents Granted**Standard Patents**

2016348215	2016348388	2016354100	2017228474
2017235372	2017239585	2017252504	2017272306
2017279632	2017285995	2017286843	2017305404
2017314870	2017315952	2017322099	2017325722
2017325999	2017333606	2017336100	2017345598
2017346879	2017353094	2017353907	2017356475
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2018211012	2018213105	2018217388	2018223899
2018224297	2018226612	2018226788	2018230649
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2018236868	2018237187	2018241913	2018246009
2018246181	2018246236	2018248022	2018248685
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2018256769	2018256964	2018258236	2018258694
2018259230	2018260981	2018263784	2018264866
2018264872	2018265494	2018271137	2018274161
2018282636	2018284207	2018284352	2018288115
2018289722	2018291171	2018291400	2018292165
2018304430	2018304531	2018306540	2018308699
2018313960	2018318001	2018319371	2018320182
2018321359	2018322381	2018322961	2018325278
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2018373247	2018373535	2018376566	2018377893
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2018401104	2018403191	2018405230	2018408725
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2019226225	2019232473	2019237517	2019239880
2019253424	2019269661	2019273780	2019284212
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2020322008	2020327937	2020336658	2020340538
2020343671	2020347099	2020355181	2020355343
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2020384683	2020400413	2020402997	2020418080
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2022200088	2022200185	2022200383	2022200691
2022200707	2022200731	2022200853	2022200905
2022201032	2022201994	2022202096	2022202180
2022202283	2022202582	2022202609	2022202767
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2022215149	2022215188	2022215310	2022218525
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2022228193	2022236088	2022254775	2022280712
2022290931	2023200401	2023200402	2023201250
2023203920	2023226655	2023226777	2023233156
2023248173			

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2022100195 2024100012 2024100013

Assignments Registered

2005208721 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2005209251 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2005297367 Endorecherche, Inc. The patent has been assigned to **Myriel Pharmaceuticals, LLC**

2006299863 Ashland Licensing and Intellectual Property, LLC The patent has been assigned to **VGP IPCO LLC**

2008286651 ENDORECHERCHE, INC. The patent has been assigned to **Myriel Pharmaceuticals, LLC**

2009253797 Taro Pharmaceuticals Inc. The patent has been assigned to **Praxis Precision Medicines, Inc.**

2009259363 Teijin Aramid B.V. The patent has been assigned to **BarrMax Corp.**

2009333058 Blackboard Connect Inc. The patent has been assigned to **Active Internet Technologies, LLC**

2009338702 COMMSCOPE TECHNOLOGIES LLC The patent has been assigned to **Procomm International Pte. Ltd.**

2010201793 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2010254024 Blackboard Connect Inc. The patent has been assigned to **Active Internet Technologies, LLC**

2010310605 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2010315472 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2011227357 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

Assignments Registered

2011253582 Gordon Brothers Industries Pty Ltd The patent has been assigned to **Tyco Fire & Security GmbH**

2011335900 Barakat Consulting Inc The patent has been assigned to **Readable English, LLC**

2012201146 TESCANA, a.s. The patent has been assigned to **TESCAN GROUP, a.s.**

2012201166 Pilot Energy Solutions, LLC The patent has been assigned to **Pilot Intellectual Property, LLC**

2012204083 Endorecherche, Inc. The patent has been assigned to **Myriel Pharmaceuticals, LLC**

2012253729 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2013202587 AVITA Medical Pty Ltd The patent has been assigned to **AVITA Medical Americas, LLC**

2013205148 AVITA Medical Pty Ltd The patent has been assigned to **AVITA Medical Americas, LLC**

2013212394 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2013243418 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2013277643 Teleflex Life Sciences Limited The patent has been assigned to **Teleflex Life Sciences II LLC**

2013290586 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2013317896 Teleflex Life Sciences Limited The patent has been assigned to **Teleflex Life Sciences II LLC**

2013407414 VAC STENT Medtec AG The patent has been assigned to **VAC STENT GMBH**

2014298505 Ganymed Pharmaceuticals GmbH; BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH The patent has been assigned to **BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; Astellas Pharma Inc.**

2014366157 Huawei Technologies Co., Ltd. The patent has been assigned to **Beijing Kunshi Intellectual Property Management Co., Ltd.**

2015218479 Easy Form Pty Ltd The patent has been assigned to **ZHM Engineering Services Limited**

2015227466 Pilot Energy Solutions, LLC The patent has been assigned to **Pilot Intellectual Property, LLC**

2015243391 Valvoline Licensing and Intellectual Property, LLC The patent has been assigned to **VGP IPCO LLC**

2015246140 Teleflex Life Sciences Limited The patent has been assigned to **Teleflex Life Sciences II LLC**

2015247456 May, Michael The patent has been assigned to **DVA Holdings LLC**

2015296214 3M Innovative Properties Company; Board of Regents, The University of Texas System The patent has been assigned to **Board of Regents, The University of Texas System; Solventum Intellectual Properties Company**

Assignments Registered

2016213926 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2016213927 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2016273821 Pilot Energy Solutions, LLC The patent has been assigned to **Pilot Intellectual Property, LLC**

2016273826 Pilot Energy Solutions, LLC The patent has been assigned to **Pilot Intellectual Property, LLC**

2016273827 Pilot Energy Solutions, LLC The patent has been assigned to **Pilot Intellectual Property, LLC**

2016273833 Pilot Energy Solutions, LLC The patent has been assigned to **Pilot Intellectual Property, LLC**

2016333412 Orthofix S.r.l. The patent has been assigned to **Orthofix S.r.l.; Texas Scottish Rite Hospital for Crippled Children DBA Texas Scottish Rite Hospital for Children**

2017201139 Teleflex Life Sciences Limited The patent has been assigned to **Teleflex Life Sciences II LLC**

2017201998 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2017206099 May, Michael The patent has been assigned to **DVA Holdings LLC**

2017236016 Little People Manufacturing Ltd The patent has been assigned to **Cuckfield Pty Ltd**

2017254810 Apollo Endosurgery, Inc. The patent has been assigned to **Boston Scientific Scimed, Inc.**

2017342863 Advanced New Technologies Co., Ltd. The patent has been assigned to **Advanced Nova Technologies (Singapore) Holding Pte. Ltd.**

2017377010 FLSmith A/S The patent has been assigned to **FLS-smith MAAG Gear Sp. Z.o.o.**

2017392744 Huawei Technologies Co., Ltd. The patent has been assigned to **Beijing Jingshi Intellectual Property Management Co., Ltd.**

2018214558 Nant Holdings IP, LLC The patent has been assigned to **ImmunityBio, Inc.**

2018340854 Canopus Networks Pty Ltd The patent has been assigned to **Canopus Networks Assets Pty Ltd**

2018342751 Bellus Health Cough Inc. The patent has been assigned to **GlaxoSmithKline Intellectual Property (No. 3) Limited**

2019101588 Advanced New Technologies Co., Ltd. The patent has been assigned to **Advanced Nova Technologies (Singapore) Holding Pte. Ltd.**

2019203185 Haldor Topsøe A/S The patent has been assigned to **Topsoe Battery Materials A/S**

2020201331 Ganymed Pharmaceuticals GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; BioNTech SE The patent has been assigned to **TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; BioNTech SE; Astellas Pharma Inc.**

2021215292 L.S.C. Electronics Pty Ltd The patent has been assigned to **LSC Control Systems Pty Ltd**

Assignments Registered

2022100070 L.S.C. Electronics Pty Ltd The patent has been assigned to **LSC Control Systems Pty Ltd**

2022215175 IDAC Holdings, Inc. The patent has been assigned to **InterDigital Patent Holdings, Inc.**

Licences Registered - Section 187, Reg. 19

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

2023201826 Shionogi & Co., Ltd. (Hoffmann-La Roche Inc.; F. Hoffmann-La Roche Ltd)

Mortgages Registered - Section 187, Reg. 19

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

2021273666 Lusix Ltd (Bank Leumi le-Israel B.M.)

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.

2007265460 **Akebia Therapeutics Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

2014226094 **Eli Lilly and Company**

The earliest first regulatory approval date provided by the patentee 27 Sep 2023

For the goods OMVOH mirikizumab

2014348523 **Akebia Therapeutics, Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

2016243700 **Akebia Therapeutics, Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

2020200903 **Akebia Therapeutics, Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

2020273282 **Akebia Therapeutics, Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

2020294308 **Akebia Therapeutics, Inc**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

Applications Accepted

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

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Accepted

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.

2007265460 **Akebia Therapeutics Inc.**

The earliest first regulatory approval date provided by the patentee 04 Oct 2023

For the goods VAFSEO vadadustat

Address for service : FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2012339734 **Boehringer Ingelheim International GmbH**

The earliest first regulatory approval date provided by the patentee 24 Nov 2023

For the goods SPEVIGO spesolimab

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

Extensions granted

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

2007285976 **Xencor, Inc**

The earliest first regulatory approval date provided by the patentee 20 Jun 2023

For the goods MINJUVI Tafasitamab

Extension of Term of patent pursuant to Section 77 expires on 14 Aug 2032

2013211436 **Les Laboratoires Servier**

The earliest first regulatory approval date provided by the patentee 05 Apr 2023

For the goods TIBSOVO ivosidenib

Extension of Term of patent pursuant to Section 77 expires on 21 Jan 2038

2016348402 **Blueprint Medicines Corporation**

The earliest first regulatory approval date provided by the patentee 04 Apr 2023

For the goods GAVRETO pralsetinib

Extension of Term of patent pursuant to Section 77 expires on 04 Apr 2038

2019246824 **Les Laboratoires Servier**

The earliest first regulatory approval date provided by the patentee 05 Apr 2023

For the goods TIBSOVO ivosidenib

Extension of Term of patent pursuant to Section 77 expires on 05 Apr 2038

2019283951 **Les Laboratoires Servier**

The earliest first regulatory approval date provided by the patentee 05 Apr 2023

For the goods TIBSOVO ivosidenib

Extension of Term of patent pursuant to Section 77 expires on 21 Jan 2038

Corrigenda

In Vol 33 , No 36 , Page(s) 5117 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name QBiotics Limited, Application No. 2018238202, under INID (71) correct the applicant name to QBiotics Pty Ltd

In Vol 58 , No 11 , Page(s) 1643 under the heading **Assignments Registered** Under the name Johannes Gutenberg-Universität at Mainz Saarstrasse, Astellas Pharma Inc. and Japan TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH Application No. 2010215700, under INID (71) correct the applicant name to Astellas Pharma Inc. and Japan TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH

Specifications Republished

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

2018326833	HER Technologies, Inc.
2018335140	Innospec Limited
2019406813	ESCO Group LLC
2020363882	Pindrop Security, Inc.
2020363882	Pindrop Security, Inc.

Advertisement for Amendment to Patent Application No. 2018264756

The patent applicant, FLSmidth A/S, being the Respondent/Cross-Appellant in Federal Court Proceedings No. NSD1561 of 2023 named Metso Sweden AB v FLSmidth A/S, seeks an amendment to Patent Application No. 2018264756 under s105(1A) of the *Patents Act 1990* (Cth) in accordance with the Statement of Proposed Amendments dated 18 March 2024. FLSmidth A/S address for service is Griffith Hack Lawyers, Suite 4.01, Level 4/100 Arthur Street, North Sydney NSW 2060.

A person intending to oppose the amendment application who is not a party to the proceedings must, not later than 28 days after publication of this advertisement, give written notice of that intention to the Commissioner and to the persons who are parties to the proceedings.

18 Mar 2024
2018264756

ANNEXURE

**IN THE MATTER OF Australian Patent Application No. 2018264756
in the name of FLSmidth A/S
entitled Roller mill and method for operating a roller mill
Our Ref: P112086.AU**

Statement of Proposed Amendments

- | | | |
|---|---------------------------------|--|
| 5 | Description Pages 2, 4, 5 and 6 | Cancel these pages and substitute therefor new pages 2, 4, 5 and 6 filed herewith. A working copy is provided. |
| 6 | Claim Pages 13 to 15 | Cancel these pages and substitute therefor new pages 13 to 17 filed herewith. A working copy is provided. |

GRIFFITH HACK

configured in such a manner that said peripheral element extends across the milling gap and at least partially covers an end side of the opposite grinding roller.

5 In accordance with the first aspect, a scraping element for ~~at least~~ partially removing material is attached to a stationary roller frame and disposed to be stationary relative to the grinding rollers and locate over the end region of the grinding roller that is provided with the peripheral element. The scraping element serves in particular for at least partially removing material that has accumulated on the end region of the grinding roller. The material is scraped by the scraping element in the operation of the roller mill, wherein the grinding rollers rotate in a counter-rotating manner. The scraping element is preferably disposed on the end region of the grinding roller in such a manner that said scraping element does not contact the grinding roller. The end region of the grinding roller comprises, for example, the end side of the grinding roller, the grinding roller surface adjacent thereto, as well as a region which surrounds the grinding roller
0 surface and in which material accumulates. For example, such a region comprises a height of more than or equal to 1.5 mm to 3 mm, in particular more than or equal to 2 mm to 5 mm, preferably 4 mm.

5 The peripheral element comprises in particular an encircling circular ring, preferably a circular disk. The peripheral element is in particular attached to the end side of the respective grinding roller, for example screw-fitted or welded thereto.

25 An end-side gap is in each case preferably configured between the peripheral elements and the end side of the respective opposite grinding roller. An end-side gap prevents a collision between the peripheral element and the end region of the respective opposite grinding roller in the event of the grinding rollers running off track in which the opposing grinding rollers are no longer mutually parallel.

30 The grinding rollers comprise in particular a roller main body, wherein the peripheral element is releasably connected to the roller main body of the respective grinding roller. The grinding roller preferably comprises a drive shaft for driving the grinding roller, the roller main body being disposed on said drive shaft. A releasable disposal of the

element and/or the end region of the grinding roller prevents contact between the scraping element and the grinding roller and thus minimizes the wear on the scraping element.

5 The scraping element according to a further embodiment is configured such that the spacing between the scraping element and the peripheral element and/or between the scraping element and the end region of the grinding roller is capable of being set. In particular, the thickness of the material layer on the end regions of the grinding rollers should not exceed a specific value of, for example, 1 mm to 30 mm, in particular 2 mm to 25 mm, preferably 5 mm to 10 mm. A spacing that is capable of being set ensures that the spacing between the otherwise stationary scraping element and the peripheral element and/or the end region of the grinding roller is kept constant in the event of wear on the scraping element. Additionally, the service life of the scraping element is extended, and a replacement in the event of wear is not required.

5 As noted above, the roller mill comprises a stationary machine frame, the two grinding rollers being mounted to the frame as noted below. The scraping element is attached to that same machine frame. The machine frame comprises, for example, a plurality of frame elements which are connected to bearing jewels of the grinding rollers such that 0 the grinding force acting on the grinding rollers is transmitted to the machine frame. A machine frame of a roller mill comprises in particular a frame element which extends substantially in the axial direction of the grinding rollers and to which the scraping element is preferably attached. The scraping element extends from the machine frame in the direction of the grinding roller towards the end region of the grinding roller.

25 The roller mill according to a further embodiment comprises at least two scraping elements which are disposed on end regions of opposite roller ends of a grinding roller. The scraping elements are therefore located ~~over~~ radially opposite the axially opposite end regions of the grinding roller.

30 According to a further embodiment, the scraping element comprises a scraping plate which is configured from a wear-resistant material such as, for example, tungsten

carbide. The scraping plate is disposed on that end of the scraping element that faces the grinding roller and in the operation of the roller mill is in contact with the material to be scraped. The scraping plate is therefore subjected to high wear, wherein a wear-resistant material extends the service life of the scraping plate.

The scraping element according to a further embodiment comprises an arm to which the scraping plate is releasably fastened. For example, the scraping plate is clamped or screw-fitted to the arm. The scraping plate in the direction of the grinding roller preferably projects beyond the arm. A releasable fastening of the scraping plate of the scraping element enables the scraping plate be readily replaced, said scraping plate representing the most wear-intensive region of the scraping element. Replacement of the entire scraping element in the event of wear is thus not required.

According to a further embodiment, each of the grinding rollers comprises one peripheral element at the end region of one of the roller ends, configured in such a manner that said peripheral element extends across the milling gap and at least partially covers the end side of the opposing grinding roller. The peripheral elements in terms of the end regions of the grinding rollers are thus disposed so as to be diagonally opposite.

The scraping element according to a further embodiment extends along the peripheral element. In particular, the scraping element extends in the radial direction of the grinding roller, for example so as to be parallel or oblique to the peripheral element. The spacing between the peripheral element and the scraping element is preferably consistent across the length of the scraping element.

The invention furthermore provides, in a second aspect, a method for operating a roller mill for comminuting granular material having a first grinding roller and a second grinding roller which are disposed opposite each other and drivable in a counter-rotating manner, wherein a milling gap is configured between the opposing grinding rollers. At least one of the grinding rollers comprises at an end region of opposite ends of the rollers a peripheral element which is configured to extend across the milling gap

and at least partially cover an end side of the opposite grinding roller. The method comprises the step of removing material from at least that one of the end regions of the grinding rollers that comprises the peripheral element, wherein the material is at least partially removed from the roller mill, in the operation of the roller mill with rotating grinding rollers, by means of a scraping element that is stationary relative to the grinding rollers and is located over-radially opposite the relevant end region of the grinding roller.

The advantages described in the context of the grinding roller apply in an analogous manner to the method for operating a roller mill for comminuting granular material.

4. BRIEF DESCRIPTION OF THE DRAWINGS

The invention is explained in more detail hereunder by means of a plurality of exemplary embodiments with reference to the appended drawings in which:

fig. 1 shows a schematic illustration of a fragment of a roller mill in a plan view, according to an exemplary embodiment;

fig. 2 shows a schematic illustration of a fragment of a roller mill in a plan view, according to a further exemplary embodiment;

fig. 3 shows a schematic illustration of a fragment of a grinding roller having scraping elements in a perspective view, according to an exemplary embodiment;

fig. 4 shows a schematic illustration of a scraping element in a perspective view, according to an exemplary embodiment; and

fig. 5 shows a schematic illustration of the scraping element in fig. 4, in a perspective rear view.

5. DETAILED DESCRIPTION OF EMBODIMENTS OF THE INVENTION

Claims

1. A roller mill for comminuting granular material, comprising:
 - a first grinding roller and a second grinding roller, the grinding rollers having two axially opposite end regions and two axially opposite end sides, which are the grinding rollers being disposed opposite each other with an axially extending milling gap configured between the opposing grinding rollers, and the grinding rollers being drivable in a counter-rotating manner;
 - ~~wherein a milling gap is configured between the opposing grinding rollers,~~
 - ~~wherein at least one of the grinding rollers comprises a peripheral element at an each of the axially opposite end regions of said the first grinding roller, the a peripheral elements~~ configured to extend in a radial direction across the milling gap and at least partially cover ~~an axial the axial~~ end sides of the ~~opposite other second~~ grinding roller, respectively;
 - a machine frame at which the grinding rollers are mounted; and wherein
 - a first scraping element ~~is present and configured for at least partially removing material from the grinding roller,~~
 - characterized in that
 - ~~the scraping element is attached to a the~~ machine frame ~~at which the grinding rollers are mounted, in that the scraping element is in a manner held~~ stationary relative to and above the first grinding rollers, ~~and in that the scraping element is disposed and~~ at a location ~~above, in a radial direction of the grinding roller, opposite one of~~ the axial end regions of the first grinding roller ~~at which the peripheral element is provided, the first scraping element being disposed radially spaced-apart from the axial end region and being configured for partially removing material and preventing excess material accumulation in an autogenous wear-protection material layer at said axial end region of the first grinding roller.~~
2. The roller mill of claim 1, further comprising a second scraping element attached to the machine frame in a manner stationary relative to and above the first grinding roller at a location opposite the other one of the axial end regions of the first grinding roller, the second scraping element being disposed radially spaced-apart from the

other one of the axial end regions and being configured for partially removing material and preventing excess material accumulation in the autogenous wear-protection layer at said other one axial end region of the first grinding roller.

3. The roller mill of claim 1 or 2, wherein the machine frame comprises a support beam at which the scraping element(s) is/are attached, the support beam extending substantially in the axial direction of the first grinding roller and disposed at a spacing from the first grinding roller.

4. The roller mill according to claim 1, 2 or 3, wherein the first and second scraping elements extend in the radial direction of the first grinding roller along the respective first and second peripheral elements so as to be parallel or oblique to the respective peripheral element.

5. A roller mill for comminuting granular material, comprising:

- a first grinding roller and a second grinding roller, the grinding rollers having two axially opposite end regions and two axially opposite end sides, the grinding rollers being disposed opposite each other with an axially extending milling gap configured between the opposing grinding rollers, the grinding rollers being drivable in a counter-rotating manner;

- a machine frame at which the grinding rollers are mounted;

- a first peripheral element at a first one of the axially opposite end regions of the first grinding roller and a second peripheral element at a second one of the axially opposite end regions of the second grinding roller that is diagonally opposite across the milling gap of the first end region of the first grinding roller, the first peripheral element configured to extend in a radial direction across the milling gap and at least partially cover a first one of the end sides of the second grinding roller, and the second peripheral element configured to extend in a radial direction across the milling gap and at least partially cover a second one of the end sides of the first grinding roller;

- a first scraping element attached to the machine frame and held stationary relative to and above the first grinding roller at a region opposite the first axial end region of the first grinding roller, wherein the first scraping element is disposed radially spaced-apart

from the first axial end region and is configured for partially removing material and preventing excess material accumulation in an autogenous wear-protection layer at the first axial end region of the first grinding roller; and

- optionally, a second scraping element attached to the machine frame and held stationary relative to and above the second grinding roller at a region opposite the second axial end region of the second grinding roller, wherein the second scraping element is disposed radially spaced-apart from the second axial end region of the second grinding roller and is configured for partially removing material and preventing excess material accumulation in an autogenous wear-protection layer at the second axial end region of the second grinding roller.

6. The roller mill of claim 5, wherein the machine frame comprises a first support beam which extends substantially in the axial direction of the first grinding roller and which is disposed at a spacing from the first grinding roller, the first scraping element being attached to the first support beam, and wherein the machine frame optionally comprises a second support beam which extends substantially in the axial direction of the second grinding roller and which is disposed at a spacing from the second grinding roller, the second scraping element being attached to the second support beam.

7. The roller mill according to claim 5 or 6, wherein the first scraping element extends in the radial direction of the first grinding roller along the first peripheral element so as to be parallel or oblique to the first peripheral element, and wherein the optional second scraper element extends in the radial direction of the second grinding roller along the second peripheral element so as to be parallel or oblique to the second peripheral element.

28. The roller mill as claimed in any one of claims 1 to 7, wherein the first scraping element is further disposed to remove at least part of the material that has accumulated on ~~one or both of the~~ first peripheral element ~~and the axial end region of the grinding roller during operation of the roller mill,~~ and wherein, where present, the second scraping element is further disposed to remove part of the material that has accumulated on the second peripheral element during operation of the roller mill.

39. The roller mill as claimed in any one of ~~the preceding~~ claims 1 to 8, wherein the first scraping element is disposed spaced apart from the first peripheral element ~~and the axial end region of the grinding roller~~ and wherein, where present, the second scraping element is disposed spaced apart from the second peripheral element.

410. The roller mill as claimed in any one ~~of the preceding~~ claims 1 to 9, wherein the first scraping element is arranged such that at least one of a spacing between the first scraping element and the first peripheral element and a spacing between the first scraping element and the first axial end region of the first grinding roller can be selectively set, and wherein, where present, the second scraping element is arranged such that at least one of a spacing between the second scraping element and the second peripheral element and a spacing between the second scraping element and the second axial end region of the second grinding roller can be selectively set.

~~5. The roller mill as claimed in any one of the preceding claims, wherein the roller mill comprises two of said scraping elements which are respectively disposed radially above opposite ones of the axially opposite axial end regions of the grinding rollers.~~

711. The roller mill as claimed in any one of ~~the preceding~~ claims 1 to 10, wherein the scraping element(s) comprise(s) a scraping plate made from a wear-resistant material.

812. The roller mill as claimed in claim 711, wherein the scraping plate material is tungsten carbide.

913. The roller mill as claimed in claim 7-11 or 812, wherein the scraping element(s) comprise(s) an arm extending from a fastening plate secured to the machine frame in a direction towards the relevant grinding roller and to which arm the scraping plate is releasably fastened.

~~10. The roller mill as claimed in any one of the preceding claims, wherein each of the grinding rollers comprises one said peripheral element at one of the axially opposite axial end regions, and wherein the peripheral elements are located at opposite axial ends of the facing grinding rollers across the milling gap.~~

~~11. The roller mill as claimed in any one of the preceding claims, wherein the scraping element extends along the peripheral element.~~

14. The roller mill as claimed in claim 13, wherein the scraping plate extends parallel to the arm beyond an end of the arm that faces away from the fastening plate such that the scraping plate on the arm projects in a radial direction of the relevant grinding roller, and wherein the scraping plate is clamped between a clamping plate and the arm such that the scraping plate is replaceable in the event of wear.

15. The roller mill as claimed in any one of claims 11 to 14, wherein a front edge of the scraping plate extends at an angle in relation to a peripheral surface of the relevant grinding roller such that a spacing between the scraping plate front edge and the peripheral surface of the grinding roller lessens in the direction towards the axial end side of the grinding roller.

1642. A method for operating a roller mill for comminuting granular material, the roller mill having a first grinding roller and a second grinding roller which are disposed opposite each other in a machine frame that supports the grinding rollers, and drivable in a counter-rotating manner, wherein a milling gap that extends in an axial direction of wherein the grinding rollers is configured between the opposing grinding rollers, and either (i) wherein at least one of the first grinding rollers comprises at an two axially-opposite end regions of opposite axial ends of the rollers at each of which is arranged a respective peripheral element, a the peripheral elements which is being configured to extend across the milling gap and at least partially cover two an axially opposite end sides of the ~~opposite-second~~ grinding roller, or (ii) the first grinding roller comprises a first peripheral element at a first one of two axially opposite end regions of the first grinding roller, and the second grinding roller comprises a second peripheral element at a second one of two axially opposite end regions of the second grinding roller that

is diagonally opposite across the milling gap of the first end region of the first grinding roller, the first peripheral element configured to extend in a radial direction across the milling gap and at least partially cover a first one of two axially-opposite end sides of the second grinding roller and the second peripheral element configured to extend in a radial direction across the milling gap and at least partially cover a second one of two axially-opposite end sides of the first grinding roller, the method comprising at least the step of:

- during operation of the roller mill with counterrotating grinding rollers, partially removing ~~at least partially~~ material from and preventing excess material accumulation in an autogenous wear-protection material layer that forms during operation of the roller mill at ~~that one of those of~~ the axial end regions of the grinding rollers ~~that where comprises~~ the peripheral elements are present and a risk of failure of the peripheral element is present, by means of a wherein said removal is effected by respective scraping elements that ~~is~~ are attached to a ~~the~~ machine frame at which the grinding rollers are mounted and which scraping element is held stationary relative to the grinding rollers and is located over above the relevant end region(s) of the grinding rollers, the scraping element(s) being held stationary relative to the grinding rollers and being disposed axially spaced-apart from the respective peripheral elements and/or radially spaced-apart from the respective axial end regions of the respective grinding rolls.

13. ~~The method as claimed in claim 12, wherein the material is removed from those axially opposite end regions of the two grinding rollers that have a said peripheral element.~~

configured in such a manner that said peripheral element extends across the milling gap and at least partially covers an end side of the opposite grinding roller.

5 In accordance with the first aspect, a scraping element for partially removing material is attached to a stationary roller frame and disposed to be stationary relative to the grinding rollers and locate over the end region of the grinding roller that is provided with the peripheral element. The scraping element serves in particular for at least partially removing material that has accumulated on the end region of the grinding roller. The material is scraped by the scraping element in the operation of the roller mill, wherein the grinding rollers rotate in a counter-rotating manner. The scraping element is preferably disposed on the end region of the grinding roller in such a manner that said scraping element does not contact the grinding roller. The end region of the grinding roller comprises, for example, the end side of the grinding roller, the grinding roller surface adjacent thereto, as well as a region which surrounds the grinding roller surface and in which material accumulates. For example, such a region comprises a height of more than or equal to 1.5 mm to 3 mm, in particular more than or equal to 2 mm to 5 mm, preferably 4 mm.

0 The peripheral element comprises in particular an encircling circular ring, preferably a circular disk. The peripheral element is in particular attached to the end side of the respective grinding roller, for example screw-fitted or welded thereto.

25 An end-side gap is in each case preferably configured between the peripheral elements and the end side of the respective opposite grinding roller. An end-side gap prevents a collision between the peripheral element and the end region of the respective opposite grinding roller in the event of the grinding rollers running off track in which the opposing grinding rollers are no longer mutually parallel.

30 The grinding rollers comprise in particular a roller main body, wherein the peripheral element is releasably connected to the roller main body of the respective grinding roller. The grinding roller preferably comprises a drive shaft for driving the grinding roller, the roller main body being disposed on said drive shaft. A releasable disposal of the

element and/or the end region of the grinding roller prevents contact between the scraping element and the grinding roller and thus minimizes the wear on the scraping element.

5 The scraping element according to a further embodiment is configured such that the spacing between the scraping element and the peripheral element and/or between the scraping element and the end region of the grinding roller is capable of being set. In particular, the thickness of the material layer on the end regions of the grinding rollers should not exceed a specific value of, for example, 1 mm to 30 mm, in particular 2 mm to 25 mm, preferably 5 mm to 10 mm. A spacing that is capable of being set ensures that the spacing between the otherwise stationary scraping element and the peripheral element and/or the end region of the grinding roller is kept constant in the event of wear on the scraping element. Additionally, the service life of the scraping element is extended, and a replacement in the event of wear is not required.

5 As noted above, the roller mill comprises a stationary machine frame, the two grinding rollers being mounted to the frame as noted below. The scraping element is attached to that same machine frame. The machine frame comprises, for example, a plurality of frame elements which are connected to bearing jewels of the grinding rollers such that 0 the grinding force acting on the grinding rollers is transmitted to the machine frame. A machine frame of a roller mill comprises in particular a frame element which extends substantially in the axial direction of the grinding rollers and to which the scraping element is preferably attached. The scraping element extends from the machine frame in the direction of the grinding roller towards the end region of the grinding roller.

25 The roller mill according to a further embodiment comprises at least two scraping elements which are disposed on end regions of opposite roller ends of a grinding roller. The scraping elements are therefore located radially opposite the axially opposite end regions of the grinding roller.

30 According to a further embodiment, the scraping element comprises a scraping plate which is configured from a wear-resistant material such as, for example, tungsten

carbide. The scraping plate is disposed on that end of the scraping element that faces the grinding roller and in the operation of the roller mill is in contact with the material to be scraped. The scraping plate is therefore subjected to high wear, wherein a wear-resistant material extends the service life of the scraping plate.

The scraping element according to a further embodiment comprises an arm to which the scraping plate is releasably fastened. For example, the scraping plate is clamped or screw-fitted to the arm. The scraping plate in the direction of the grinding roller preferably projects beyond the arm. A releasable fastening of the scraping plate of the scraping element enables the scraping plate be readily replaced, said scraping plate representing the most wear-intensive region of the scraping element. Replacement of the entire scraping element in the event of wear is thus not required.

According to a further embodiment, each of the grinding rollers comprises one peripheral element at the end region of one of the roller ends, configured in such a manner that said peripheral element extends across the milling gap and at least partially covers the end side of the opposite grinding roller. The peripheral elements in terms of the end regions of the grinding rollers are thus disposed so as to be diagonally opposite.

The scraping element according to a further embodiment extends along the peripheral element. In particular, the scraping element extends in the radial direction of the grinding roller, for example so as to be parallel or oblique to the peripheral element. The spacing between the peripheral element and the scraping element is preferably consistent across the length of the scraping element.

The invention furthermore provides, in a second aspect, a method for operating a roller mill for comminuting granular material having a first grinding roller and a second grinding roller which are disposed opposite each other and drivable in a counter-rotating manner, wherein a milling gap is configured between the opposing grinding rollers. At least one of the grinding rollers comprises at an end region of opposite ends of the rollers a peripheral element which is configured to extend across the milling gap

and at least partially cover an end side of the opposite grinding roller. The method comprises the step of removing material from at least that one of the end regions of the grinding rollers that comprises the peripheral element, wherein the material is at least partially removed from the roller mill, in the operation of the roller mill with rotating grinding rollers, by means of a scraping element that is stationary relative to the grinding rollers and is located radially opposite the relevant end region of the grinding roller.

The advantages described in the context of the grinding roller apply in an analogous manner to the method for operating a roller mill for comminuting granular material.

4. BRIEF DESCRIPTION OF THE DRAWINGS

The invention is explained in more detail hereunder by means of a plurality of exemplary embodiments with reference to the appended drawings in which:

fig. 1 shows a schematic illustration of a fragment of a roller mill in a plan view, according to an exemplary embodiment;

fig. 2 shows a schematic illustration of a fragment of a roller mill in a plan view, according to a further exemplary embodiment;

fig. 3 shows a schematic illustration of a fragment of a grinding roller having scraping elements in a perspective view, according to an exemplary embodiment;

fig. 4 shows a schematic illustration of a scraping element in a perspective view, according to an exemplary embodiment; and

fig. 5 shows a schematic illustration of the scraping element in fig. 4, in a perspective rear view.

5. DETAILED DESCRIPTION OF EMBODIMENTS OF THE INVENTION

Claims

1. A roller mill for comminuting granular material, comprising:
 - a first grinding roller and a second grinding roller, the grinding rollers having two axially opposite end regions and two axially opposite end sides, the grinding rollers being disposed opposite each other with an axially extending milling gap configured between the opposing grinding rollers, the grinding rollers being drivable in a counter-rotating manner;
 - a peripheral element at each of the axially opposite end regions of the first grinding roller, the peripheral elements configured to extend in a radial direction across the milling gap and at least partially cover the axial end sides of the second grinding roller, respectively;
 - a machine frame at which the grinding rollers are mounted; and
 - a first scraping element attached to the machine frame in a manner stationary relative to and above the first grinding roller and at a location opposite one of the axial end regions of the first grinding roller, the first scraping element being disposed radially spaced-apart from the axial end region and being configured for partially removing material and preventing excess material accumulation in an autogenous wear-protection material layer at said axial end region of the first grinding roller.
2. The roller mill of claim 1, further comprising a second scraping element attached to the machine frame in a manner stationary relative to and above the first grinding roller at a location opposite the other one of the axial end regions of the first grinding roller, the second scraping element being disposed radially spaced-apart from the other one of the axial end regions and being configured for partially removing material and preventing excess material accumulation in the autogenous wear-protection layer at said other one axial end region of the first grinding roller.
3. The roller mill of claim 1 or 2, wherein the machine frame comprises a support beam at which the scraping element(s) is/are attached, the support beam extending substantially in the axial direction of the first grinding roller and disposed at a spacing from the first grinding roller.

4. The roller mill according to claim 1, 2 or 3, wherein the first and second scraping elements extend in the radial direction of the first grinding roller along the respective first and second peripheral elements so as to be parallel or oblique to the respective peripheral element.

5. A roller mill for comminuting granular material, comprising:

- a first grinding roller and a second grinding roller, the grinding rollers having two axially opposite end regions and two axially opposite end sides, the grinding rollers being disposed opposite each other with an axially extending milling gap configured between the opposing grinding rollers, the grinding rollers being drivable in a counter-rotating manner;
- a machine frame at which the grinding rollers are mounted;
- a first peripheral element at a first one of the axially opposite end regions of the first grinding roller and a second peripheral element at a second one of the axially opposite end regions of the second grinding roller that is diagonally opposite across the milling gap of the first end region of the first grinding roller, the first peripheral element configured to extend in a radial direction across the milling gap and at least partially cover a first one of the end sides of the second grinding roller, and the second peripheral element configured to extend in a radial direction across the milling gap and at least partially cover a second one of the end sides of the first grinding roller;
- a first scraping element attached to the machine frame and held stationary relative to and above the first grinding roller at a region opposite the first axial end region of the first grinding roller, wherein the first scraping element is disposed radially spaced-apart from the first axial end region and is configured for partially removing material and preventing excess material accumulation in an autogenous wear-protection layer at the first axial end region of the first grinding roller; and
- optionally, a second scraping element attached to the machine frame and held stationary relative to and above the second grinding roller at a region opposite the second axial end region of the second grinding roller, wherein the second scraping element is disposed radially spaced-apart from the second axial end region of the second grinding roller and is configured for partially removing material and preventing

excess material accumulation in an autogenous wear-protection layer at the second axial end region of the second grinding roller.

6. The roller mill of claim 5, wherein the machine frame comprises a first support beam which extends substantially in the axial direction of the first grinding roller and which is disposed at a spacing from the first grinding roller, the first scraping element being attached to the first support beam, and wherein the machine frame optionally comprises a second support beam which extends substantially in the axial direction of the second grinding roller and which is disposed at a spacing from the second grinding roller, the second scraping element being attached to the second support beam.

7. The roller mill according to claim 5 or 6, wherein the first scraping element extends in the radial direction of the first grinding roller along the first peripheral element so as to be parallel or oblique to the first peripheral element, and wherein the optional second scraper element extends in the radial direction of the second grinding roller along the second peripheral element so as to be parallel or oblique to the second peripheral element.

8. The roller mill as claimed in any one of claims 1 to 7, wherein the first scraping element is further disposed to remove at least part of the material that has accumulated on the first peripheral element during operation of the roller mill, and wherein, where present, the second scraping element is further disposed to remove part of the material that has accumulated on the second peripheral element during operation of the roller mill.

9. The roller mill as claimed in any one of claims 1 to 8, wherein the first scraping element is disposed spaced apart from the first peripheral element and wherein, where present, the second scraping element is disposed spaced apart from the second peripheral element.

10. The roller mill as claimed in any one claims 1 to 9, wherein the first scraping element is arranged such that at least one of a spacing between the first scraping

element and the first peripheral element and a spacing between the first scraping element and the first axial end region of the first grinding roller can be selectively set, and wherein, where present, the second scraping element is arranged such that at least one of a spacing between the second scraping element and the second peripheral element and a spacing between the second scraping element and the second axial end region of the second grinding roller can be selectively set.

11. The roller mill as claimed in any one of claims 1 to 10, wherein the scraping element(s) comprise(s) a scraping plate made from a wear-resistant material.

12. The roller mill as claimed in claim 11, wherein the scraping plate material is tungsten carbide.

13. The roller mill as claimed in claim 11 or 12, wherein the scraping element(s) comprise(s) an arm extending from a fastening plate secured to the machine frame in a direction towards the relevant grinding roller and to which arm the scraping plate is releasably fastened.

14. The roller mill as claimed in claim 13, wherein the scraping plate extends parallel to the arm beyond an end of the arm that faces away from the fastening plate such that the scraping plate on the arm projects in a radial direction of the relevant grinding roller, and wherein the scraping plate is clamped between a clamping plate and the arm such that the scraping plate is replaceable in the event of wear.

15. The roller mill as claimed in any one of claims 11 to 14, wherein a front edge of the scraping plate extends at an angle in relation to a peripheral surface of the relevant grinding roller such that a spacing between the scraping plate front edge and the peripheral surface of the grinding roller lessens in the direction towards the axial end side of the grinding roller.

16. A method for operating a roller mill for comminuting granular material, the roller mill having a first grinding roller and a second grinding roller which are disposed

opposite each other in a machine frame that supports the grinding rollers, and drivable in a counter-rotating manner, wherein a milling gap that extends in an axial direction of wherein the grinding rollers is configured between the opposing grinding rollers, and either (i) the first grinding roller comprises two axially-opposite end regions at each of which is arranged a respective peripheral element, the peripheral elements being configured to extend across the milling gap and at least partially cover two axially opposite end sides of the second grinding roller, or (ii) the first grinding roller comprises a first peripheral element at a first one of two axially opposite end regions of the first grinding roller, and the second grinding roller comprises a second peripheral element at a second one of two axially opposite end regions of the second grinding roller that is diagonally opposite across the milling gap of the first end region of the first grinding roller, the first peripheral element configured to extend in a radial direction across the milling gap and at least partially cover a first one of two axially-opposite end sides of the second grinding roller and the second peripheral element configured to extend in a radial direction across the milling gap and at least partially cover a second one of two axially-opposite end sides of the first grinding roller, the method comprising at least the step of:

- during operation of the roller mill with counterrotating grinding rollers, partially removing material from and preventing excess material accumulation in an autogenous wear-protection material layer that forms during operation of the roller mill at those of the axial end regions of the grinding rollers where the peripheral elements are present and a risk of failure of the peripheral element is present, wherein said removal is effected by respective scraping elements that are attached to the machine frame above the relevant end region(s) of the grinding rollers, the scraping element(s) being held stationary relative to the grinding rollers and being disposed axially spaced-apart from the respective peripheral elements and/or radially spaced-apart from the respective axial end regions of the respective grinding rolls.



Federal Court of Australia

District Registry: New South Wales Registry

Division: General

No: NSD1561/2023

METSO SWEDEN AB

Applicant

FLSMIDTH A/S

Respondent

ORDER

JUDGE: Justice Perram

DATE OF ORDER: 23 February 2024

WHERE MADE: Sydney

BY CONSENT, THE COURT ORDERS THAT:

1. By 4pm on 18 March 2024, the Respondent/Cross-Appellant (**Respondent**):
 - a. file and serve any interlocutory application to amend Australian Patent Application No. 2018264756 in accordance with section 105(1A) of the *Patents Act 1990* (Cth) (**Amendment Application**);
 - b. file and serve affidavit evidence in support of the Amendment Application, annexing (or at the same time serving on the Appellant/Cross-Respondent) such documents as it regards as relevant to the exercise of the discretion under section 105(1A) of the *Patents Act 1990* (Cth);
 - c. file and serve particulars of the grounds relied upon in support of the Amendment Application in accordance with rule 34.41(6)(a) of the *Federal Court Rules 2011* (Cth) (**FCR**);
 - d. provide to the Commissioner of Patents a copy of any advertisement stating the matters identified in rule 34.41(1)(a) to (d) of the FCR with respect to the Amendment Application;



- e. provide to the Commissioner of Patents a copy of these orders;
 - f. invite the Commissioner of Patents to confirm if the Commissioner wishes to be heard on the Amendment Application; and
 - g. serve on the Appellant/Cross-Respondent a copy of the advertisement in order 1(b).
2. By no later than 21 March 2024, the Commissioner of Patents publish the advertisement referred to in order 1(d) above in the *Australian Official Journal of Patents*.
 3. By 26 April 2024, the Appellant/Cross-Respondent file and serve particulars of any grounds it relies upon in opposition to the Amendment Application.
 4. Any person intending to oppose the Amendment Application who has notified the parties and the Commissioner of Patents of that intention in accordance with rule 34.41(1)(d) of the FCR must, by 26 April 2024, file and serve its particulars of the grounds relied upon.
 5. The case management hearing listed at 9:30am on 26 February 2024 be vacated.
 6. The proceeding be listed for a case management hearing at 9:30am on 7 May 2024.
 7. Costs be reserved.

Date that entry is stamped: 23 February 2024

Sia Lagos
Registrar



Schedule

No: NSD1561/2023

Federal Court of Australia

District Registry: New South Wales Registry

Division: General

Cross-Appellant FLSMIDTH A/S

Cross Respondent METSO SWEDEN AB