



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

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or contact our Customer Service Network on 1300651010*

Editorial enquiries

Contact information

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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

1. 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 applications filed - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> assigned to the application	(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)
Inventors <u>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.

2. 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.
- (44) 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.
- (45) 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.

Proceedings under the Patents Act 1990

Provisional Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 9 Nov 2021 .

(71) AGVEST PTY LTD (21) 2021903649 (22) 14.11.2021 (54) Lite Saver	(71) BLUEGREEN POWER TECHNOLOGIES PTY. LTD. (21) 2021903585 (22) 10.11.2021 (54) AN IMBALANCED WHEEL APPARATUS AND AN IMBALANCED WHEEL ARRANGEMENT	(71) Canning, J. (21) 2021903650 (22) 14.11.2021 (54) agtech
(71) Albert Donald Grant Pty. Ltd. (21) 2021903605 (22) 11.11.2021 (54) Pallet	(71) BLUEGREEN POWER TECHNOLOGIES PTY. LTD. (21) 2021903587 (22) 10.11.2021 (54) AN IMPROVED RENEWABLE ELECTRICAL POWER GENERATOR ARRANGEMENT AND A METHOD OF PRODUCING ELECTRICAL POWER GENERATION FROM SAID GENERATOR ARRANGEMENT	(71) CHEAIB, A. (21) 2021903653 (22) 15.11.2021 (54) Smart watch body strap
Anema, S. see Fonterra Co-operative Group Limited (21) 2021903588		CHEN, J. see TIBAN ANRANGO, B. (21) 2021903573
Anema, S. see Fonterra Co-operative Group Limited (21) 2021903589	(71) Braai Pty Ltd (21) 2021903619 (22) 11.11.2021 (54) Outdoor Cooking Grid, Stand and Clip Combo	(71) Children's Medical Research Institute (21) 2021903570 (22) 09.11.2021 (54) Treatment methods for inherited retinal diseases
Arcus, V. see Patrick, W. (21) 2021903580		(71) Chong, R. (21) 2021903565 (22) 08.11.2021 (54) Roulette Application System
Atanackovic, P.B. see The University of Adelaide (21) 2021903616	(71) Braai Pty Ltd (21) 2021903627 (22) 12.11.2021 (54) Outdoor Cooking Basket, Stand and Clip Combo	(71) CipherSechs (21) 2021903626 (22) 12.11.2021 (54) Metallic cryptographic cipher storage device. Invention relates to the field of cryptocurrency, in particular to cryptographic cipher storage.
(71) Auret, D. (21) 2021903646 (22) 13.11.2021 (54) Thermal alternator	(71) Braai Pty Ltd (21) 2021903628 (22) 12.11.2021 (54) Camp Billy with Unique Shape and Properties	
(71) Autar, N. (21) 2021903503 (22) 03.11.2021 (54) Smart Automatic Charger Retractor and Inserter.	(71) Braums Pty Ltd (21) 2021903617 (22) 11.11.2021 (54) An interfacing device	(71) Clarity Pharmaceuticals Ltd (21) 2021903592 (22) 10.11.2021 (54) Cancer targeting compounds and methods for their production
(71) Blackmagic Design Pty Ltd (21) 2021903578 (22) 09.11.2021 (54) Audio processing	(71) BUILDAI PTY LTD (21) 2021903629 (22) 12.11.2021 (54) Device for Monitoring a Construction Site	(71) Clarity Pharmaceuticals Ltd (21) 2021903594 (22) 10.11.2021 (54) Compounds for radioimaging and treatment of a cancer
	BYRNE, B. see MCDONALD, L. (21) 2021903581	(71) Conflux Technology Pty Ltd (21) 2021903655 (22) 15.11.2021 (54) Heat exchanger

Provisional Applications Filed - Name Index cont'd

(71) Cufone, R. (21) 2021903652 (22) 15.11.2021 (54) A DIGITAL MEDIA STORAGE UNIT ARRANGEMENT ADAPTED FOR ATTACHMENT TO A CENTRE SECTION OF A PHONOGRAPH RECORD	(71) Enzo4d Pty Ltd (21) 2021903572 (22) 09.11.2021 (54) DEVICE AND METHOD FOR DETERMINING THE POSITION OF A DENTAL IMPLANT	(71) Gomez, R. (21) 2021903553 (22) 07.11.2021 (54) Advanced Commercial Electrolysis of Seawater to produce Hydrogen
(71) CUMMINS, I. (21) 2021903620 (22) 11.11.2021 (54) Water Renewal Treatment System	(71) Evans, J. (21) 2021903539 (22) 05.11.2021 (54) Combined Cycle Engine Rocket Taking CubeSats to LEO	(71) Gomez, R. (21) 2021903593 (22) 10.11.2021 (54) Control of Methane Discharge
(71) Curtin University (21) 2021903563 (22) 08.11.2021 (54) AN EXPANDABLE FASTENER FOR ORTHOPAEDIC APPLICATIONS	Faruq, U. see Syafiq, E. (21) 2021903568	(71) Grasso, T. (21) 2021903607 (22) 11.11.2021 (54) Redfox 10AT
(71) CYMRA LIFE SCIENCES LIMITED (21) 2021903633 (22) 12.11.2021 (54) EXTRACTION OF PRODUCTS FROM CANNABIS	(71) Fedchishina, L. (21) 2021903590 (22) 10.11.2021 (54) Hydropower apparatus	(71) Great Vision Education Kim Pty Ltd (21) 2021903500 (22) 02.11.2021 (54) SYSTEM AND METHOD FOR FACILITATING COMPLETION OF DOCUMENTATION IN ELECTRONIC FORMAT
(71) Dedov, V. (21) 2021903583 (22) 10.11.2021 (54) FOOT-OPERATED INPUT AND CONTROL DEVICE	(71) Ferguson, J. (21) 2021903647 (22) 13.11.2021 (54) Measuring depth of blast drill holes with laser point tool	(71) Happy Days (Aust) Pty Ltd (21) 2021903564 (22) 08.11.2021 (54) Carrier Composition
(71) Djanowot Pty Ltd (21) 2021903634 (22) 12.11.2021 (54) NOVEL ILLUMINATING PROBE AND METHOD OF INTUBATION	(71) FIRST ELEMENT RESOURCES PTY LTD (21) 2021903611 (22) 11.11.2021 (54) ENERGY STORAGE AND POWER SUPPLY SYSTEM	(71) Heiniger Limited (21) 2021903642 (22) 12.11.2021 (54) Apparatus for storing and dispensing shearing cutters
(71) Dorel Australia Pty Ltd (21) 2021903595 (22) 10.11.2021 (54) Vehicular child restraint	(71) FISHER & PAYKEL APPLIANCES LIMITED (21) 2021903591 (22) 10.11.2021 (54) OUT OF BALANCE METHOD AND APPARATUS	Hewitt, S. see Fonterra Co-operative Group Limited (21) 2021903588
(71) Drew, P. (21) 2021903566 (22) 08.11.2021 (54) Holographic Display	(71) Fonterra Co-operative Group Limited; DSM IP Assets B.V.; Welman, A.; Hewitt, S.; Hill, J.; Anema, S.; Meijrink, B.; Van Der Hoeven, R. (21) 2021903588 (22) 10.11.2021 (54) POLYPEPTIDE COMPOSITIONS	Hewitt, S. see Fonterra Co-operative Group Limited (21) 2021903589
DSM IP Assets B.V. see Fonterra Co-operative Group Limited (21) 2021903588	(71) Fonterra Co-operative Group Limited; DSM IP Assets B.V.; Nelisse, P.; Sagt, C.; Los, A.; Hill, J.; Anema, S.; Hewitt, S.; Welman, A.; van der Hoeven, F.; Meijrink, B. (21) 2021903589 (22) 10.11.2021 (54) PROTEIN COMPOSITIONS	Hicks, J. see Patrick, W. (21) 2021903580
DSM IP Assets B.V. see Fonterra Co-operative Group Limited (21) 2021903589	(71) FVA Group Pty Ltd (21) 2021903659 (22) 15.11.2021 (54) A BATTEN, BATTEN ASSEMBLY, METHOD OF INSTALLING A BATTEN ASSEMBLY AND METHODS OF MANUFACTURING A BATTEN	Hill, J. see Fonterra Co-operative Group Limited (21) 2021903588
(71) Dunlop, C. (21) 2021903601 (22) 10.11.2021 (54) ANAESTHETIC BREATHING CIRCUIT FOR SMALLER-SIZED MAMMALS	(71) Dunlop, C. (21) 2021903603 (22) 10.11.2021 (54) ANAESTHETIC BREATHING CIRCUIT FOR SMALLER-SIZED MAMMALS	Hill, J. see Fonterra Co-operative Group Limited (21) 2021903589
(71) Dunlop, C. (21) 2021903603 (22) 10.11.2021 (54) ANAESTHETIC BREATHING CIRCUIT FOR SMALLER-SIZED MAMMALS	Giazotto, F. see The University of Adelaide (21) 2021903616	(71) Hydrobe Pty Ltd (21) 2021903640 (22) 12.11.2021 (54) Production of Biomass
		(71) I.C.V. Induction Cooktop Vents Pty. Ltd. (21) 2021903654 (22) 15.11.2021 (54) Venting assembly for a cooktop

Provisional Applications Filed - Name Index cont'd

(71) ICONTENT PTY LTD
(21) 2021903562 (22) 08.11.2021
(54) SYSTEM AND METHOD FOR ASSESSING FINANCIAL RISK

(71) INDUSTRY CONTROL SOLUTIONS LTD
(21) 2021903586 (22) 10.11.2021
(54) NON-CONDUCTIVE CONNECTOR

(71) Integrated Plastics Pty Limited
(21) 2021903599 (22) 10.11.2021
(54) Continuous Stretch Blow Moulding System

(71) Intreft Pty Ltd
(21) 2021903638 (22) 12.11.2021
(54) A PROCESS FOR REFINING A VEGETABLE OIL

(71) IP Reserve Pty Ltd
(21) 2021903604 (22) 10.11.2021
(54) A PALLET

(71) Ison, P.; Keen, A.
(21) 2021903602 (22) 10.11.2021
(54) Radiation dose tracking system for cardiologist and Interventional radiologist

(71) JMX Audio Pty Ltd
(21) 2021903660 (22) 15.11.2021
(54) Devices, Systems, Circuits and/or Methods for Digitally Controlled Variable Gain Amplifier

(71) Kasia Nominees Pty Ltd
(21) 2021903571 (22) 09.11.2021
(54) Vented Silo Lid Arrangement

Keen, A. see Ison, P.
(21) 2021903602

(71) Kinaxis Therapeutics Pty Ltd
(21) 2021903618 (22) 11.11.2021
(54) Ureido oxytocin receptor agonists

(71) Kuzman IP PTY LTD ATF Kuzman IP Family Trust
(21) 2021903662 (22) 15.11.2021
(54) FRAME FOR AN AIR FILTER

(71) Kwok-Wong, C.
(21) 2021903545 (22) 05.11.2021
(54) The improvement of laminated glasses for balconies with greenery

(71) Kylix Pty Ltd
(21) 2021903630 (22) 12.11.2021
(54) Wheelchair Frame Assembly

(71) Leigh Creek Energy Limited
(21) 2021903657 (22) 15.11.2021
(54) METHOD OF UNDERGROUND COAL GASIFICATION

(71) Liu, B.
(21) 2021903661 (22) 15.11.2021
(54) Systems and Methods to Automate Sharing Personal or Confidential Information Securely and Instantly among Federated Jurisdictions

Los, A. see Fonterra Co-operative Group Limited
(21) 2021903589

(71) Loyola, F.
(21) 2021903598 (22) 10.11.2021
(54) BRAIN STIMULATOR APPARATUS

(71) Martin, B.
(21) 2021903575 (22) 09.11.2021
(54) Life Raft Matt

(71) Maya Surgical Pty Ltd
(21) 2021903621 (22) 11.11.2021
(54) AN IMPLANT AND SURGICAL PROCEDURES FOR THE IMPLANTING THEREOF

(71) MCDONALD, L.; BYRNE, B.
(21) 2021903581 (22) 09.11.2021
(54) Tractor-trailer coupling

Meijrink, B. see Fonterra Co-operative Group Limited
(21) 2021903588

Meijrink, B. see Fonterra Co-operative Group Limited
(21) 2021903589

(71) Merctech Pty Ltd
(21) 2021903643 (22) 12.11.2021
(54) METHODS AND PRODUCTS FOR APPLYING BRANDING TO A MEAT PRODUCT

(71) Merctech Pty Ltd
(21) 2021903644 (22) 12.11.2021
(54) METHODS AND PRODUCTS FOR APPLYING BRANDING TO A MEAT PRODUCT

(71) MICROBA IP PTY LTD
(21) 2021903624 (22) 11.11.2021
(54) COMPOSITIONS AND METHODS FOR TREATING DISEASE

(71) Monash University
(21) 2021903614 (22) 11.11.2021
(54) Negative capacitance topological quantum field-effect transistor

(71) Multibus Ltd
(21) 2021903613 (22) 11.11.2021
(54) METHOD AND APPARATUS FOR ALIGNMENT OF A VEHICLE WITH OVERHEAD WIRES

Nelisse, P. see Fonterra Co-operative Group Limited
(21) 2021903589

(71) NewSouth Innovations Pty Limited; The University of Sydney
(21) 2021903632 (22) 12.11.2021
(54) Distributed ledger for a network of Internet of Things devices

(71) OMC International Pty Ltd
(21) 2021903635 (22) 12.11.2021
(54) SYSTEMS AND METHODS FOR DRAUGHT CALCULATION

(71) Omni Intelligence Pty Ltd
(21) 2021903574 (22) 09.11.2021
(54) USER AUTHENTICATION AND LOGIN METHODS

Oulavallickal, T. see Patrick, W.
(21) 2021903580

(71) PADSTONE PTY LTD
(21) 2021903576 (22) 09.11.2021
(54) BACTERIA APPLICATION DEVICE AND METHODS OF USE

(71) Patrick, W.; Oulavallickal, T.; Arcus, V.; Hicks, J.
(21) 2021903580 (22) 09.11.2021
(54) RNA LIGASE ENZYMES AND METHODS OF PREPARATION AND USE THEREOF

(71) Patrick, W.; Tejada, L.
(21) 2021903582 (22) 10.11.2021
(54) BIOSENSOR, BIOSENSOR COMPONENTS, AND USE THEREOF

(71) Preen, C.
(21) 2021903658 (22) 15.11.2021
(54) IMPROVED STUB-AXLE ASSEMBLY AND ADJUSTMENT METHOD

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(21) 2021903597

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(21) 2021903656

(71) ResMed Pty Ltd

(21) 2021903567 (22) 08.11.2021

(54) POSITIONING, STABILISING, AND INTERFACING STRUCTURES AND SYSTEM INCORPORATING SAME

(71) ResMed Pty Ltd

(21) 2021903569 (22) 09.11.2021

(54) Patient Interface

(71) Royal Melbourne Institute of Technology

(21) 2021903596 (22) 10.11.2021

(54) A METHOD OF REDUCING A GASEOUS CARBON OXIDE

(71) Royal Melbourne Institute of Technology

(21) 2021903631 (22) 12.11.2021

(54) Device, Method and System for Detecting Nicotine

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(21) 2021903589

(71) Scolaro, A.

(21) 2021903622 (22) 11.11.2021

(54) A Power Drive

(71) Scolaro, A.

(21) 2021903648 (22) 13.11.2021

(54) A Power Drive

(71) Sino Iron Holdings Pty Ltd

(21) 2021903610 (22) 11.11.2021

(54) Modular System and Method for Beneficiating a Ferrous Ore

(71) Smith, G.

(21) 2021903637 (22) 12.11.2021

(54) Pitch and Bowl #2

(71) Syafiq, E.; Faruq, U.

(21) 2021903568 (22) 09.11.2021

(54) Long Distance Lights with Customizable Design

Tejada, L. see Patrick, W.

(21) 2021903582

(71) The Macfarlane Burnet Institute for Medical Research and Public Health Ltd

(21) 2021903608 (22) 11.11.2021

(54) ANTIVIRAL AGENT

(71) The Macfarlane Burnet Institute for Medical Research and Public Health Ltd

(21) 2021903609 (22) 11.11.2021

(54) MODIFIED IMMUNOGLOBULIN AND METHOD OF USE THEREOF (3)

(71) The University of Adelaide; Giazotto, F.; Atanackovic, P.B.

(21) 2021903616 (22) 11.11.2021

(54) A QUANTUM MAGNETIC FIELD RECEIVING DEVICE

(71) The University of Sydney

(21) 2021903577 (22) 09.11.2021

(54) A method to protect seed from damage by a vertebrate

The University of Sydney see NewSouth Innovations Pty Limited

(21) 2021903632

(71) The University of Western Australia

(21) 2021903584 (22) 10.11.2021

(54) Compounds and uses therefor

(71) The University of Western Australia

(21) 2021903639 (22) 12.11.2021

(54) Methods for Biofilm Disruption

(71) TIBAN ANRANGO, B.; CHEN, J.

(21) 2021903573 (22) 09.11.2021

(54) Nanoparticles

(71) University of South Australia

(21) 2021903579 (22) 09.11.2021

(54) DIAGNOSTIC PLATFORM

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(21) 2021903589

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(21) 2021903588

(71) Ward, J.; Reiter, G.

(21) 2021903656 (22) 15.11.2021

(54) Integrated water capture and electrolysis II

(71) Warkiani, M.E.; Razavi Bazaz, S.

(21) 2021903597 (22) 10.11.2021

(54) A microfluidic device

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(21) 2021903588

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(21) 2021903589

(71) Whittall, L.

(21) 2021903606 (22) 11.11.2021

(54) A Gate Assembly

(71) Woodward, R.

(21) 2021903504 (22) 03.11.2021

(54) A family of connectors, struts, supports, floor beams and center supports to construct single or multiple connected hexagonal cubes and rectangles

(71) Woodward, R.

(21) 2021903600 (22) 10.11.2021

(54) A ship powered by hydrogen derived from solar energy, that sequesters CO2 and produces carbon allotropes, and also transports cargo or passengers.

(71) Woodward, J.D.

(21) 2021903615 (22) 11.11.2021

(54) METHOD FOR DETERMINING A TAXATION LIABILITY

(71) Xero Limited

(21) 2021903641 (22) 12.11.2021

(54) Method, Program, and Apparatus for Processing Sensitive Data

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Applications listed below were processed through the Patent Office Canberra during the period ending 9 Nov 2021 .

. (*) Title not in Roman characters

. (**) Title not given

<hr/> <p>(71) 6 over 6 Vision Ltd. (21) 2021258036 (22) 28.10.2021 (54) Apparatus, System and Method of Determining One or More Optical Parameters of a Lens (62) 2016261276</p> <hr/> <p>Acceleron Pharma Inc. see Celgene Corporation (21) 2021258087</p> <hr/> <p>(71) Acer Incorporated (21) 2021258058 (22) 29.10.2021 (54) Device and Method of Handling Mobility (31) 63/107,453 (32) 30.10.20 (33) US 17/511,591 27.10.21 US</p> <hr/> <p>(71) Acetek Corp Ltd. (21) 2021258054 (22) 29.10.2021 (54) MUZZLE FLASH SIMULATOR (31) 63/122,484 (32) 08.12.20 (33) US</p> <hr/> <p>(71) Acorda Therapeutics, Inc. (21) 2021261848 (22) 01.11.2021 (54) COMPOSITIONS AND METHODS FOR TREATMENT DURING NON-ACUTE PERIODS FOLLOWING CNS NEUROLOGICAL INJURY (62) 2019275508</p> <hr/> <p>(71) ActivOrtho, Inc. (21) 2021261926 (22) 04.11.2021 (54) ACTIVE COMPRESSION APPARATUS, METHODS OF ASSEMBLY AND METHODS OF USE (62) 2017224110</p> <hr/> <p>(71) AdvanDe Holdings Pte. Ltd. (21) 2021266220 (22) 09.11.2021 (54) Card Inlay for Direct Connection or Inductive Coupling Technology (31) 10202011277T (32) 12.11.20 (33) SG 17/390,047 30.07.21 US EP21206105.5 03.11.21 EP</p> <hr/> <p>(71) Alcoa USA Corp. (21) 2021261929 (22) 04.11.2021 (54) SYSTEMS AND METHODS FOR MAKING CERAMIC POWDERS AND CERAMIC PRODUCTS (62) 2017281911</p>	<hr/> <p>(71) Allergan, Inc. (21) 2021258053 (22) 29.10.2021 (54) Hyaluronic acid-collagen matrices for dermal filling and volumizing applications (62) 2019257369</p> <hr/> <p>(71) Allergan, Inc. (21) 2021261917 (22) 04.11.2021 (54) Phenyl urea derivatives as N-formyl peptide receptor modulators (62) 2017249047</p> <hr/> <p>(71) Altria Client Services LLC (21) 2021261895 (22) 03.11.2021 (54) Electronic vaping device and components thereof (62) 2019261824</p> <hr/> <p>(71) American Greetings Corporation (21) 2021261931 (22) 04.11.2021 (54) Sustainable a-frame floor display (31) 17/516,854 (32) 03.11.21 (33) US 63/109,428 04.11.20 US</p> <hr/> <p>(71) Amgen Inc. (21) 2021261964 (22) 05.11.2021 (54) Controllable drug delivery system and method of use (62) 2020204260</p> <hr/> <p>Amidi, O.D. see Dayani, A.A. (21) 2021261885</p> <hr/> <p>(71) AOBiome LLC (21) 2021261927 (22) 04.11.2021 (54) Microbiome-compatible cosmetics (62) 2016287746</p> <hr/> <p>(71) Apple Inc. (21) 2021261861 (22) 02.11.2021 (54) User interfaces for health monitoring (62) 2020230340</p> <hr/> <p>(71) Apple Inc. (21) 2021261922 (22) 04.11.2021 (54) Audio driver and power supply unit architecture (62) 2020201609</p>	<hr/> <p>(71) Apple Inc. (21) 2021261941 (22) 05.11.2021 (54) User interfaces for managing controllable external devices (62) 2020257092</p> <hr/> <p>(71) Apple Inc. (21) 2021261944 (22) 05.11.2021 (54) Wearable electronic device with electrodes for sensing biological parameters (62) 2018329631</p> <hr/> <p>(71) Arbor Biotechnologies, Inc. (21) 2021261919 (22) 04.11.2021 (54) NOVEL CRISPR RNA TARGETING ENZYMES AND SYSTEMS AND USES THEREOF (62) 2020201843</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2021258069 (22) 29.10.2021 (54) A GAMING SYSTEM AND A METHOD OF GAMING (62) 2019222892</p> <hr/> <p>(71) Array BioPharma Inc. (21) 2021261849 (22) 01.11.2021 (54) TREATMENT OF BRAIN CANCER (62) 2019203618</p> <hr/> <p>(71) Athira Pharma, Inc. (21) 2021266222 (22) 09.11.2021 (54) Compounds (62) 2017273857</p> <hr/> <p>(71) Ausco Modular Pty Limited (21) 2021261853 (22) 01.11.2021 (54) Improvements relating to fabrication of building modules (31) 2020903963 (32) 30.10.20 (33) AU</p> <hr/> <p>(71) BAYLOR COLLEGE OF MEDICINE (21) 2021261856 (22) 02.11.2021 (54) Small molecule regulators of steroid receptor coactivators and methods of use thereof (62) 2017246476</p> <hr/> <p>(71) Becton, Dickinson and Company (21) 2021261871 (22) 03.11.2021</p>
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(54) Connector for aseptic transfer of fluid (62) 2018350894	(METHYL-D3)PYRIDAZINE-3-CAR- BOXAMIDE (62) 2018244916	(71) Children's Medical Center Corporation (21) 2021261975 (22) 05.11.2021 (54) SAPOSIN-A DERIVED PEPTIDES AND USES THEREOF (62) 2020200165
(71) Becton, Dickinson and Company (21) 2021261878 (22) 03.11.2021 (54) Spacer assembly for drug delivery sys- tem (62) 2017277787	(71) Brown, D. (21) 2021261860 (22) 02.11.2021 (54) Compositions and methods to improve the therapeutic benefit of indirubin and analogs thereof, including meisoindigo (62) 2019275551	(71) Clinical Genomics Pty Ltd; Common- wealth Scientific and Industrial Re- search Organisation (21) 2021265861 (22) 08.11.2021 (54) Diagnostic gene marker panel for colorectal cancer (62) 2019201294
(71) Beijing Baidu Netcom Science Techno- logy Co., Ltd. (21) 2021258068 (22) 29.10.2021 (54) Simulation Method And Apparatus In Quantum Control, Classical Computer, And Storage Medium (31) 202011358498.0 (32) 27.11.20 (33) CN	(71) Bühler AG (21) 2021261834 (22) 01.11.2021 (54) Distribution metering device for a roller mill, roller mill with such a distribution metering device, method for grinding grinding stock, and roller mill compris- ing a switching cabinet with a cooling system (62) 2019272929	Commonwealth Scientific and Industrial Research Organisation see Two Blades Foundation (21) 2021261966
(71) BioMarin Pharmaceutical Inc. (21) 2021261832 (22) 01.11.2021 (54) Adeno-associated virus Factor VIII vectors, associated viral particles and therapeutic formulations comprising the same (62) 2016326602	(71) CASTIGLIONE, A. (21) 2021258091 (22) 29.10.2021 (54) Improved Exercise Roller (62) 2020213360	Commonwealth Scientific and Industrial Research Organisation see Clinical Gen- omics Pty Ltd (21) 2021265861
(71) BlackBook Media Inc. (21) 2021261863 (22) 02.11.2021 (54) Social media platform enabling multiple social media aliases (62) 2018270253	(71) Caterpillar Global Mining Equipment LLC (21) 2021258034 (22) 28.10.2021 (54) MAST FOR DRILLING MACHINES (31) 16/950,154 (32) 17.11.20 (33) US	(71) Compagnie Generale des Etablissem- ents Michelin (21) 2021261852 (22) 01.11.2021 (54) AERODYNAMIC MUD FLAP (62) 2018342610
(71) Blackhawk Network, Inc. (21) 2021261960 (22) 05.11.2021 (54) System and method for providing a se- curity code (62) 2019253898	(71) Celgene Corporation; Acceleron Pharma Inc. (21) 2021258087 (22) 29.10.2021 (54) Treatment of beta-thalassemia using ActRII ligand traps (62) 2016261913	(71) Converter Manufacturing, LLC (21) 2021261924 (22) 04.11.2021 (54) Formed thermoplastic article hav- ing smooth edges and, optionally, a peelable surface (62) 2018227780
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(71) Board of Regents of the University of Nebraska; Ohio State Innovation Foundation (21) 2021261838 (22) 01.11.2021 (54) GENE THERAPY FOR JUVENILE BATTEN DISEASE (62) 2015364636	(71) Celularity Inc. (21) 2021261923 (22) 04.11.2021 (54) ANGIOGENESIS USING STIMULATED PLACENTAL STEM CELLS (62) 2016268322	(71) Corplex Plastics UK Ltd. (21) 2021258031 (22) 28.10.2021 (54) Bag side connector for a BIB package (62) 2019391432
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(71) BRISTOL-MYERS SQUIBB COMPANY (21) 2021261839 (22) 01.11.2021 (54) PROCESS FOR THE PREPARATION OF 6-(CYCLOPROPANEAMIDO)-4-((2- METHOXY-3-(1-METHYL-1H-1,2,4- TRIAZOL-3-YL)PHENYL)AMINO)-N-	(71) CFPS Technology Group Pty Ltd (21) 2021261914 (22) 04.11.2021 (54) CONTINUOUS FLOW PAYMENTS (62) 2015370481	(71) Creatrix AG (21) 2021261859 (22) 02.11.2021 (54) Apparatus for metering coffee beans (62) 2018387822

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(71) Cripps Clark, J.
 (21) 2021261831 (22) 01.11.2021
 (54) H4Z : Systems to identify, model, certify, verify and authentically counter-balance components of enterprises involving Scope 1, 2 and 3 emissions by direct association with products and processes in defined limited scenarios that will absorb or sink equivalent emissions &/or compensate for the negative climate effects of designated emissions.
 (31) 2021900642 (32) 08.03.21 (33) AU

(71) D & A Holmes Pty Ltd
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 (54) Dual Band and Dual-Polarised Television Antenna
 (31) 2020903992 (32) 03.11.20 (33) AU

(71) Daiichi Sankyo Company, Limited
 (21) 2021261899 (22) 03.11.2021
 (54) Pyridine compound
 (62) 2017335242

(71) Davis, T.
 (21) 2021258042 (22) 28.10.2021
 (54) Trapping Assembly
 (31) 2021901961 (32) 29.06.21 (33) AU

(71) Dayani, A.A.; Amidi, O.D.
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 (54) SURFBOARD CARRIER
 (62) PCT/IL2020/050455

(71) Decibullz LLC
 (21) 2021266221 (22) 09.11.2021
 (54) Reconfigurable intra-auricular support
 (62) 2018321556

(71) Deere & Company
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 (31) 17/111,615 (32) 04.12.20 (33) US

(71) Deere & Company
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 (54) Utilizing crop moisture data
 (62) 2015227427

(71) Delmoni, A.
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(71) Derakhshan, B.
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 (54) Combination lock
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(71) Dispensing Technologies B.V.
 (21) 2021258040 (22) 28.10.2021

(54) Sprayer device with aerosol functionality (Flairosol®)
 (62) 2019226241

(71) Doka GmbH
 (21) 2021261936 (22) 05.11.2021
 (54) Formwork panel, formwork system and method for mounting a tie rod
 (62) 2019264614

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(71) Dolby Laboratories Licensing Corporation; Dolby International AB
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 (54) Rendering of audio objects with apparent size to arbitrary loudspeaker layouts
 (62) 2020200378

(71) Donovan Group Holdings Limited
 (21) 2021261869 (22) 02.11.2021
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(71) Dow AgroSciences LLC
 (21) 2021258028 (22) 28.10.2021
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(71) Duracell U.S. Operations, Inc.
 (21) 2021258092 (22) 29.10.2021
 (54) Battery including beta-delithiated layered nickel oxide electrochemically active cathode material
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(71) Dynex Extrusions Limited
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(71) Ecolab USA Inc.
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(71) Edico Genome, Corp.
 (21) 2021258065 (22) 29.10.2021
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 (62) 2016246061

(71) Empi, Inc.
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(71) Epizyme, Inc.
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(71) Exel Industries
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(71) F. Hoffman-La Roche AG
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(71) FISHER & PAYKEL HEALTHCARE LIMITED
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 (62) 2016320527

(71) Fleet Space Technologies Pty Ltd
 (21) 2021258090 (22) 29.10.2021
 (54) Remote LPWAN gateway with backhaul over a high-latency communication system
 (62) 2019391608

(71) Fortescue Metals Group Ltd
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(71) Fresenius Medical Care Holdings, Inc.
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 (31) 17/086,884 (32) 02.11.20 (33) US

(71) G1 Therapeutics, Inc.
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 (62) 2017290362

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(71) Genmab A/S
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(71) GeoVax Inc.
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(71) Gilead Sciences, Inc.
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(62) 2019275625

(71) Gogo Business Aviation LLC
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(62) 2017291704

(71) Google LLC
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(54) RANGE EXTENDER DEVICE
(62) 2020220148

(71) Greyrock Technology, LLC
(21) 2021258079 (22) 29.10.2021
(54) Catalysts, Related Methods And Reaction Products
(62) 2020230280

(71) Group Cannon
(21) 2021250938 (22) 15.10.2021
(54) Two level glamping accomodation with protective dome

(71) Haddish, I.
(21) 2021261950 (22) 05.11.2021
(54) Virtual and augmented reality instruction system
(62) 2013351959

(71) Halliburton Energy Services, Inc.
(21) 2021261841 (22) 01.11.2021
(54) Travel joint
(62) 2016423067

(71) Hamm AG
(21) 2021261837 (22) 01.11.2021
(54) Method for compacting asphalt material
(31) 10 2020 128 842.5 (32) 03.11.20 (33) DE

(71) Huawei Technologies Co., Ltd.
(21) 2021266219 (22) 09.11.2021

(54) Random access method, terminal device and network device
(62) 2018369171

(71) Ignite Energy Resources Limited
(21) 2021258076 (22) 29.10.2021
(54) Upgrading residues, heavy oils and plastics
(62) 2016275550

(71) Illumina, Inc.; University of Washington
(21) 2021261918 (22) 04.11.2021
(54) High-Throughput Single-Cell Transcriptome Libraries and Methods of Making and of Using
(62) 2019282158

(71) I-Mab Biopharma US Limited
(21) 2021261971 (22) 05.11.2021
(54) Anti-CXCL13 antibodies for treating autoimmune diseases and cancer
(62) 2019342180

(71) ImmunityBio, Inc.
(21) 2021266225 (22) 09.11.2021
(54) Genetically modified NK-92 cells and monoclonal antibodies for the treatment of cancer
(62) 2016243120

(71) Iowa State University Research Foundation, Inc.
(21) 2021261825 (22) 01.11.2021
(54) Solid dry-type lubricant
(31) 17/110,939 (32) 03.12.20 (33) US

(71) Ipsen Bioinnovation Limited
(21) 2021261858 (22) 02.11.2021
(54) Manufacture of recombinant Clostridium botulinum neurotoxins
(62) 2019219761

Janssen Sciences Ireland Unlimited Company see ViiV Healthcare Company
(21) 2021261965

(71) KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
(21) 2021266218 (22) 09.11.2021
(54) Engine-type industrial vehicle
(31) 2020-207054 (32) 14.12.20 (33) JP

(71) Kmate Pty Ltd
(21) 2021261946 (22) 05.11.2021
(54) A TRAMPOLINE PLAY SYSTEM, A TRAMPOLINE BASKETBALL KIT AND A TRAMPOLINE
(31) 2020904025 (32) 05.11.20 (33) AU

(71) Komatsu Ltd.
(21) 2021258061 (22) 29.10.2021

(54) Construction management system and construction management method
(62) 2019275664

(71) Komatsu Ltd.
(21) 2021258094 (22) 29.10.2021
(54) Work vehicle, control device, and method for controlling work vehicle
(62) 2018345222

(71) Kremeyer, K.
(21) 2021258096 (22) 29.10.2021
(54) Directed energy deposition to facilitate high speed applications
(62) 2016279129

(71) L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude
(21) 2021261957 (22) 05.11.2021
(54) SEPARATOR FOR AN ELECTROLYSIS ARRANGEMENT
(31) 20207790.5 (32) 16.11.20 (33) EP

(71) L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude
(21) 2021261959 (22) 05.11.2021
(54) ELECTROLYSIS ARRANGEMENT AND METHOD
(31) 20207791.3 (32) 16.11.20 (33) EP

(71) LG Electronics Inc.
(21) 2021258067 (22) 29.10.2021
(54) Method and apparatus for configuring transform for video compression
(62) 2018311237

(71) LG ELECTRONICS INC.
(21) 2021261942 (22) 05.11.2021
(54) Vacuum adiabatic body, refrigerating or warming apparatus, and vehicle
(62) 2018220495

(71) Listat Ltd.
(21) 2021258074 (22) 29.10.2021
(54) METHODS AND APPARATUS FOR HYPERSECURE LAST MILE COMMUNICATION
(62) 2018249485

(71) Listen Green Technology Co., Ltd.
(21) 2021261842 (22) 01.11.2021
(54) Disposable eggshell eco-friendly material and manufacturing method

(71) LOCINOX
(21) 2021261970 (22) 05.11.2021
(54) A MAGNETIC LATCH FOR FASTENING A HINGED CLOSURE MEMBER TO A SUPPORT
(31) EP20206202.2 (32) 06.11.20 (33) EM

Complete Applications Filed - Name Index cont'd

<p>(71) LOCINOX (21) 2021261972 (22) 05.11.2021 (54) A MAGNETIC LATCH FOR FASTENING A HINGED CLOSURE MEMBER TO A SUPPORT (31) EP20206210.5 (32) 06.11.20 (33) EM</p>	<p>(71) MEDACTA INTERNATIONAL SA (21) 2021258073 (22) 29.10.2021 (54) Positioning apparatus of a patient's limb (62) 2019269145</p>	<p>(71) Moricca, S.; Persaud, R. (21) 2021261973 (22) 05.11.2021 (54) ACTIVE FURNACE ISOLATION CHAMBER (62) 2017291934</p>
<p>(71) Magic Leap, Inc. (21) 2021261836 (22) 01.11.2021 (54) Microlens collimator for scanning optical fiber in virtual/augmented reality system (62) 2016333970</p>	<p>(71) MEDACTA INTERNATIONAL SA (21) 2021258077 (22) 29.10.2021 (54) Positioning apparatus of a patient's limb (62) 2019269145</p>	<p>(71) NantBio, Inc. (21) 2021261881 (22) 03.11.2021 (54) Modified EC7 cells having low toxicity to viral production payloads (62) 2018348048</p>
<p>(71) Magic Leap, Inc. (21) 2021261883 (22) 03.11.2021 (54) Robust merge of 3D textured meshes (62) 2017251639</p>	<p>(71) MEDACTA INTERNATIONAL SA (21) 2021258082 (22) 29.10.2021 (54) Positioning apparatus of a patient's limb (62) 2019269145</p>	<p>(71) Nextracker Inc. (21) 2021261889 (22) 03.11.2021 (54) Systems for and Methods of Automatically Scheduling and Executing in Situ Tests on Electrical and Mechanical Systems (62) 2016365301</p>
<p>(71) Magic Leap, Inc. (21) 2021261908 (22) 04.11.2021 (54) Light output system with reflector and lens for highly spatially uniform light output (62) 2017223997</p>	<p>(71) Mederis Diabetes, LLC (21) 2021258101 (22) 01.11.2021 (54) IMPROVED PEPTIDE PHARMACEUTICALS (62) 2019275610</p>	<p>(71) Norton, M. (21) 2021261981 (22) 07.11.2021 (54) Telescoping Power Tool Invention</p>
<p>(71) MAKO SURGICAL CORP. (21) 2021261864 (22) 02.11.2021 (54) MULTI-COMPONENT LOCKING IMPLANT (31) 63/109,104 (32) 03.11.20 (33) US 63/196,928 04.06.21 US</p>	<p>(71) Memorial Sloan Kettering Cancer Center (21) 2021261933 (22) 04.11.2021 (54) USE OF MVA OR MVADELTAE3L AS IMMUNOTHERAPEUTIC AGENTS AGAINST SOLID TUMORS (62) 2016249521</p>	<p>(71) Octapharma AG (21) 2021261911 (22) 04.11.2021 (54) Polypeptides modulating SIGLEC dependent immune responses (62) 2017266758</p>
<p>(71) MARS BIOIMAGING LIMITED (21) 2021258099 (22) 01.11.2021 (54) Improving Material Identification using Multi-Energy CT Image Data (62) 2020273291</p>	<p>(71) Memorial Sloan-Kettering Cancer Center (21) 2021258070 (22) 29.10.2021 (54) Intestinal microbiota and GVHD (62) 2015353465</p>	<p>Ohio State Innovation Foundation see Board of Regents of the University of Nebraska (21) 2021261838</p>
<p>(71) Martin, M. (21) 2021261943 (22) 05.11.2021 (54) DENTAL IMAGER AND METHOD FOR RECORDING PHOTOGRAPHIC IMPRESSIONS (62) 2017213787</p>	<p>(71) MENOVA INTERNATIONAL, INC. (21) 2021261958 (22) 05.11.2021 (54) PROSTHESIS FOR IMPROVED PENIS FUNCTION (62) 2016380684</p>	<p>(71) Orion Ophthalmology LLC (21) 2021261935 (22) 05.11.2021 (54) Heterocyclic prolinamide derivatives (62) 2017282651</p>
<p>(71) Massachusetts Eye & Ear Infirmary; Schepens Eye Research Institute (21) 2021261893 (22) 03.11.2021 (54) METHODS OF PREDICTING ANCESTRAL VIRUS SEQUENCES AND USES THEREOF (62) 2021200189</p>	<p>(71) MERCK PATENT GMBH (21) 2021261844 (22) 01.11.2021 (54) A method of treating bone metastasis diseases, medicaments therefore, and a method of predicting the clinical outcome of treating bone metastasis diseases (62) 2015317411</p>	<p>(71) Oticon Medical A/S (21) 2021258095 (22) 29.10.2021 (54) Power Regulation of a Cochlear Implant System (31) 20205402.9 (32) 03.11.20 (33) EP</p>
<p>(71) Maxeon Solar, Pte Ltd. (21) 2021261854 (22) 02.11.2021 (54) Shingled solar module employing hidden taps (62) 2019222952</p>	<p>(71) Mestek Machinery, Inc. (21) 2021258066 (22) 29.10.2021 (54) Protection System for Laser Cutting Machine (62) 2019201925</p>	<p>(71) Oticon Medical A/S (21) 2021261850 (22) 01.11.2021 (54) Cochlear Implant Hearing System (31) 20205971.3 (32) 05.11.20 (33) EP</p>
<p>(71) MILWAUKEE ELECTRIC TOOL CORPORATION (21) 2021258075 (22) 29.10.2021 (54) Battery charger (62) 2018290757</p>	<p>(71) OV Loop, Inc. (21) 2021258071 (22) 29.10.2021 (54) System and method for asynchronous multi-mode messaging (62) 2018280030</p>	<p>(71) PACCAR Inc (21) 2021261962 (22) 05.11.2021 (54) HEADLAMP ASSEMBLY (31) 17/092,116 (32) 06.11.20 (33) US</p>

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Persaud, R. see Moricca, S.

(21) 2021261973

(71) PHARMAQ AS

(21) 2021261876 (22) 03.11.2021

(54) Live fish processing system, and associated methods

(62) 2018313729

(71) Plastipak Packaging, Inc.

(21) 2021261967 (22) 05.11.2021

(54) Methods and compositions for direct print having improved recyclability

(62) 2016315778

(71) Precision Planting LLC

(21) 2021258097 (22) 29.10.2021

(54) Systems, methods, and apparatus for agricultural implement trench depth control and soil monitoring

(62) 2020233669

(71) President and Fellows of Harvard College

(21) 2021261826 (22) 01.11.2021

(54) Open-top microfluidic devices and methods for simulating a function of a tissue

(62) 2016364932

(71) Pride Mobility Products Corporation

(21) 2021258055 (22) 29.10.2021

(54) ELEVATED HEIGHT WHEELCHAIR

(62) 2020281133

(71) Printed Energy Pty Ltd

(21) 2021261953 (22) 05.11.2021

(54) Diatomaceous energy storage devices

(62) 2016282485

(71) Protein Dynamic Solutions Inc.

(21) 2021261873 (22) 03.11.2021

(54) Method and system for spectral data analysis

(62) 2017210338

(71) Prysmian S.p.A.

(21) 2021266216 (22) 09.11.2021

(54) Flame-retardant cable with self-extinguishing coating layer

(31) 102020000026897 (32) 11.11.20 (33) IT

(71) Qingdao Haier Joint Stock Co., Ltd

(21) 2021261961 (22) 05.11.2021

(54) Refrigerator

(62) 2020202942

(71) Qualcomm Incorporated

(21) 2021258085 (22) 29.10.2021

(54) EFFICIENT POWER UTILIZATION FOR ENHANCED COMPONENT CARRIERS

(62) 2017298226

(71) Qualcomm Incorporated

(21) 2021261888 (22) 03.11.2021

(54) SIGNALING AND DETERMINATION OF SLOT AND MINI-SLOT STRUCTURE

(62) 2017335607

(71) Quattro Project Engineering Pty Ltd

(21) 2021261934 (22) 04.11.2021

(54) Partition

(31) 2020904013 (32) 04.11.20 (33) AU

(71) RealmFive, Inc.

(21) 2021261912 (22) 04.11.2021

(54) AUTONOMOUS INTEGRATED FARMING SYSTEMS

(62) 2016369655

(71) Rearden, LLC

(21) 2021261956 (22) 05.11.2021

(54) SYSTEM AND METHOD FOR DISTRIBUTED INPUT DISTRIBUTED OUTPUT WIRELESS COMMUNICATIONS

(62) 2020201409

(71) RedFlow R&D Pty Ltd

(21) 2021258037 (22) 28.10.2021

(54) Flowing electrolyte battery separator

(62) 2020200117

(71) RedFlow R&D Pty Ltd

(21) 2021261892 (22) 03.11.2021

(54) Bipolar battery electrode having improved carbon surfaces and method of manufacturing same

(62) 2019246938

(71) Redmayne, J.M.

(21) 2021261857 (22) 02.11.2021

(54) A TRAP OR DISPENSING DEVICE

(62) 2016348218

(71) ROIVOS LIMITED

(21) 2021258086 (22) 29.10.2021

(54) URETERAL AND BLADDER CATHETERS AND METHODS FOR INDUCING NEGATIVE PRESSURE TO INCREASE RENAL PERFUSION

(62) 2020204021

(71) ROULAND, M.

(21) 2021258041 (22) 28.10.2021

(54) A sliding and folding hard roofed tent, with integrated walls and floor, which mounts onto a vehicle and opens onto the ground.

(71) RTC Industries, Inc.

(21) 2021261930 (22) 04.11.2021

(54) System for inventory management

(62) 2018336797

(71) S. C. Johnson & Son, Inc.

(21) 2021261969 (22) 05.11.2021

(54) Multi-purpose floor finish composition

(62) 2017228378

(71) SAP SE

(21) 2021258032 (22) 28.10.2021

(54) ROUTING SQL STATEMENTS TO ELASTIC COMPUTE NODES USING WORKLOAD CLASS

(31) 17/217,412 (32) 30.03.21 (33) US

(71) Schenck Process Australia Pty Limited

(21) 2021261835 (22) 01.11.2021

(54) Removal Tool and Method for Securing Pins and Panels of Screening Apparatus

(62) 2020227102

Schepens Eye Research Institute see Massachusetts Eye & Ear Infirmary

(21) 2021261893

(71) Schneider Electric USA, Inc

(21) 2021258081 (22) 29.10.2021

(54) Systems And Methods For Verifying And Maintaining Accuracy Of Metering Devices

(31) 17/096,503 (32) 12.11.20 (33) US

(71) Scholar Rock, Inc.

(21) 2021261907 (22) 04.11.2021

(54) Use of myostatin inhibitors and combination therapies

(62) 2020210134

(71) Scott, III, L.O.

(21) 2021261903 (22) 03.11.2021

(54) METHODS AND COMPOSITIONS FOR TREATING THYROID-RELATED MEDICAL CONDITIONS WITH REDUCED FOLATES

(62) 2019226162

(71) Sequenom, Inc.

(21) 2021261830 (22) 01.11.2021

(54) Methods and processes for non-invasive assessment of genetic variations

(62) 2020203134

(71) SG Gaming, Inc.

(21) 2021266223 (22) 09.11.2021

(54) Gaming machine including one or more grouped held value symbols

(62) 2016253683

Complete Applications Filed - Name Index cont'd

(71) Shandong Longchang Animal Health Product Co., LTD.
 (21) 2021258029 (22) 28.10.2021
 (54) Application of a bile acid composite bacterial agent in the preparation of feed additives for mutton sheep
 (31) 202011306541.9 (32) 19.11.20 (33) CN

(71) Silixa Ltd.
 (21) 2021258052 (22) 29.10.2021
 (54) Method and apparatus for optical sensing
 (62) 2016230883

(71) Skylark Wireless, LLC
 (21) 2021258080 (22) 29.10.2021
 (54) Control channel design for many-antenna MU-MIMO systems
 (62) 2019283777

(71) Smith & Nephew, Inc.; University of Massachusetts
 (21) 2021261867 (22) 02.11.2021
 (54) NEGATIVE PRESSURE WOUND CLOSURE DEVICE
 (62) 2020201058

(71) Solubag SpA
 (21) 2021261846 (22) 01.11.2021
 (54) Detergent composition in the form of a sheet
 (62) 2017323891

(71) SOTO Group Pty Ltd
 (21) 2021221721 (22) 25.08.2021
 (54) Improved firearm

(71) Stanfred International Pty Ltd
 (21) 2021258084 (22) 29.10.2021
 (54) A Wheel Stand Lock
 (31) 2020903923 (32) 29.10.20 (33) AU

(71) Stoke Therapeutics, Inc.
 (21) 2021261909 (22) 04.11.2021
 (54) Antisense oligomers for treatment of conditions and diseases
 (62) 2018322319

(71) Stratatech Corporation
 (21) 2021261937 (22) 05.11.2021
 (54) Cryopreservation of viable human skin substitutes
 (62) 2019232795

(71) Sungrow Power Supply Co., Ltd.
 (21) 2021261865 (22) 02.11.2021
 (54) MLPE Photovoltaic system and method for photovoltaic string control in MLPE photovoltaic system
 (31) 202011252428.7 (32) 11.11.20 (33) CN

(71) Sungrow Power Supply Co., Ltd.
 (21) 2021261874 (22) 03.11.2021
 (54) Case bracket and electric equipment
 (62) 2020200403

(71) Syncproto Co., Ltd.
 (21) 2021258064 (22) 29.10.2021
 (54) Blind lifting device and a blind lifting control module thereof
 (31) 110103296 (32) 28.01.21 (33) TW

(71) Tama Group
 (21) 2021261847 (22) 01.11.2021
 (54) WRAPPING MATERIAL FOR REDUCED CONTAMINATION
 (31) 17/093,793 (32) 10.10.21 (33) US

(71) Tanaka, Y.
 (21) 2021266217 (22) 09.11.2021
 (54) Confirming method of membership
 (62) 2018259984

(71) Targus International LLC
 (21) 2021261938 (22) 05.11.2021
 (54) Systems, methods and devices for native and virtualized video in a hybrid docking station
 (62) 2017322216

(71) TELEFLEX LIFE SCIENCES UNLIMITED COMPANY
 (21) 2021261870 (22) 03.11.2021
 (54) FRICTIONLESS CATHETER
 (62) 2018364772

(71) The Climate Corporation
 (21) 2021261947 (22) 05.11.2021
 (54) Ponding water detection on satellite imagery
 (62) 2021229238

(71) The General Hospital Corporation
 (21) 2021261928 (22) 04.11.2021
 (54) Apparatus and methods for high-speed and long depth range imaging using optical coherence tomography
 (62) 2017218007

(71) The Global Alliance for TB Drug Development, Inc.
 (21) 2021258039 (22) 28.10.2021
 (54) Combination antibacterial composition and short-course antibacterial regimen
 (62) 2016338637

(71) The NOCO Company
 (21) 2021258059 (22) 29.10.2021
 (54) Portable vehicle battery jump start apparatus with safety protection
 (62) 2020201224

(71) The Provost, Fellows, Foundation Scholars, and the other members of Board, of the College of the Holy and Undivided Trinity of Queen Elizabeth near Dublin; The University of Queensland
 (21) 2021258033 (22) 28.10.2021
 (54) Sulfonylureas and related compounds and use of same
 (62) 2020203464

(71) The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology
 (21) 2021258056 (22) 29.10.2021
 (54) Novel vaccines against Zika virus
 (62) 2017222644

(71) The United States of America, as represented by the Secretary, Department of Health and Human Services
 (21) 2021261932 (22) 04.11.2021
 (54) Substitutions-modified prefusion RSV F proteins and their use
 (62) 2017242020

(71) The University of Bristol
 (21) 2021261840 (22) 01.11.2021
 (54) COMPOUNDS
 (62) 2017313390

(71) The University of Montana
 (21) 2021258088 (22) 29.10.2021
 (54) Detection of brain injury
 (62) 2015387481

The University of Queensland see The Provost, Fellows, Foundation Scholars, and the other members of Board, of the College of the Holy and Undivided Trinity of Queen Elizabeth near Dublin
 (21) 2021258033

The Wistar Institute of Anatomy and Biology see The Trustees of the University of Pennsylvania
 (21) 2021258056

(71) Thumbar, R.
 (21) 2021261884 (22) 03.11.2021
 (54) A Sea Wave Conversion Device and System
 (62) 2018279332

(71) Tiltsta Pty Ltd
 (21) 2021261875 (22) 03.11.2021
 (54) Interactive media system and method
 (62) 2016251812

Complete Applications Filed - Name Index cont'd

(71) Total Marketing Services
(21) 2021261940 (22) 05.11.2021
(54) PROCESS FOR THE PRODUCTION OF BIODEGRADABLE HYDROCARBON FLUIDS BY HYDROGENATION
(62) 2016265463

(71) Trillium Therapeutics Inc.
(21) 2021261886 (22) 03.11.2021
(54) Macrophage Stimulation In CD47 Blockade Therapy
(62) 2017250029

Tufts Medical Center see Tufts University
(21) 2021258060

(71) Tufts University; Tufts Medical Center
(21) 2021258060 (22) 29.10.2021
(54) Novel polypeptides with improved proteolytic stability, and methods of preparing and using same
(62) 2016343775

(71) Two Blades Foundation; Commonwealth Scientific and Industrial Research Organisation
(21) 2021261966 (22) 05.11.2021
(54) Wheat stem rust resistance genes and methods of use
(62) 2016303589

(71) TYBER MEDICAL LLC
(21) 2021261921 (22) 04.11.2021
(54) ANTI-MICROBIAL AND OSTEOINTEGRATION NANOTEXTURED SURFACES
(62) 2016355039

(71) TYERS, B.
(21) 2021261974 (22) 05.11.2021
(54) An Automatic Location Placement System
(62) 2017243430

University of Massachusetts see Smith & Nephew, Inc.
(21) 2021261867

(71) University of Pittsburgh - Of The Commonwealth System of Higher Education
(21) 2021261887 (22) 03.11.2021
(54) DEVICE AND METHOD FOR NERVE BLOCK BY LOCAL COOLING TO ROOM TEMPERATURE
(62) 2016364743

University of Washington see Illumina, Inc.
(21) 2021261918

(71) UPL Ltd
(21) 2021261894 (22) 03.11.2021

(54) FUNGICIDAL COMBINATIONS
(62) 2018229966

(71) Urquhart Golf Limited
(21) 2021259647 (22) 01.11.2021
(54) A Golf Club

(71) Vacca, C.
(21) 2021261828 (22) 01.11.2021
(54) Burley Container with Anchor
(31) 2020903986 (32) 02.11.20 (33) AU

(71) VANDA PHARMACEUTICALS INC.
(21) 2021261882 (22) 03.11.2021
(54) CANCER TREATMENT
(62) 2019261718

(71) van der Westhuizen, M.
(21) 2021258102 (22) 01.11.2021
(54) Device with improved sound capture and sound replay
(62) 2021107566

(71) VG GROUP PTY LTD t/as VORTEC GLOBAL
(21) 2021261955 (22) 05.11.2021
(54) A Specialised Hydroseeder

(71) Victaulic Company
(21) 2021258078 (22) 29.10.2021
(54) Roller set and pipe elements
(62) 2020202287

(71) ViiV Healthcare Company; Janssen Sciences Ireland Unlimited Company
(21) 2021261965 (22) 05.11.2021
(54) REGIMENS FOR TREATING HIV INFECTIONS AND AIDS
(62) 2018304591

(71) Vitae Pharmaceuticals, LLC.
(21) 2021258089 (22) 29.10.2021
(54) Inhibitors of the menin-MLL Interaction
(62) 2017278950

(71) Vorwerk & Co. Interholding GmbH
(21) 2021258030 (22) 28.10.2021
(54) Filter apparatus for a kitchen appliance and kitchen appliance
(31) 102020215267.5 (32) 03.12.20 (33) DE

(71) W. L. Gore & Associates, Inc.
(21) 2021261968 (22) 05.11.2021
(54) Multiple inflation endovascular medical device
(62) 2018336924

(71) Westinghouse Air Brake Technologies Corporation
(21) 2021261925 (22) 04.11.2021

(54) AUTOMATIC SET AND RELEASE RETAINER VALVE ASSEMBLY OF AN AIR BRAKE SYSTEM
(31) 63/122,302 (32) 07.12.20 (33) US
17/506,894 21.10.21 US

(71) WIREMAN PTY LIMITED
(21) 2021261843 (22) 01.11.2021
(54) A LATCH
(31) 2020903997 (32) 03.11.20 (33) AU

(71) Wix.com Ltd.
(21) 2021258035 (22) 28.10.2021
(54) System and method for the creation and use of visually- diverse high-quality dynamic visual data structures
(62) 2016299873

(71) Worthington, R.
(21) 2021266183 (22) 08.11.2021
(54) A MULTI-CHAMBER SOLAR COLLECTOR
(62) 2020222398

(71) YCS Group, LLC
(21) 2021261891 (22) 03.11.2021
(54) MANAGING VENDOR OFFERS
(62) 2019229375

(71) Zensun (Shanghai) Science & Technology, Co., Ltd.
(21) 2021258063 (22) 29.10.2021
(54) Methods and compositions of neuregulins for preventing, treating or delaying preserved ejection fraction cardiac failure
(62) 2015333335

(71) Zhang, J.
(21) 2021261948 (22) 05.11.2021
(54) HEAT-DISSIPATING CAR CALIPER COVER
(62) 2019320616

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2021258028	Dow AgroSciences LLC	2021261824	D & A Holmes Pty Ltd
2021258029	Shandong Longchang Animal Health Product Co., LTD.	2021261825	Iowa State University Research Foundation, Inc.
2021258030	Vorwerk & Co. Interholding GmbH	2021261826	President and Fellows of Harvard College
2021258031	Corplex Plastics UK Ltd.	2021261827	Deere & Company
2021258032	SAP SE	2021261828	Vacca, C.
2021258033	The Provost, Fellows, Foundation Scholars, and the other members of Board, of the College of the Holy and Undivided Trinity of Queen Elizabeth near Dublin; The University of Queensland	2021261829	Google LLC
2021258034	Caterpillar Global Mining Equipment LLC	2021261830	Sequenom, Inc.
2021258035	Wix.com Ltd.	2021261831	Cripps Clark, J.
2021258036	6 over 6 Vision Ltd.	2021261832	BioMarin Pharmaceutical Inc.
2021258037	RedFlow R&D Pty Ltd	2021261834	Bühler AG
2021258038	Boston Scientific Scimed, Inc.	2021261835	Schenck Process Australia Pty Limited
2021258039	The Global Alliance for TB Drug Development, Inc.	2021261836	Magic Leap, Inc.
2021258040	Dispensing Technologies B.V.	2021261837	Hamm AG
2021258041	ROULAND, M.	2021261838	Board of Regents of the University of Nebraska; Ohio State Innovation Foundation
2021258042	Davis, T.	2021261839	BRISTOL-MYERS SQUIBB COMPANY
2021258052	Silixa Ltd.	2021261840	The University of Bristol
2021258053	Allergan, Inc.	2021261841	Halliburton Energy Services, Inc.
2021258054	Acetek Corp Ltd.	2021261842	Listen Green Technology Co., Ltd.
2021258055	Pride Mobility Products Corporation	2021261843	WIREMAN PTY LIMITED
2021258056	The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology	2021261844	MERCK PATENT GMBH
2021258058	Acer Incorporated	2021261846	Solubag SpA
2021258059	The NOCO Company	2021261847	Tama Group
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2021258066	Mestek Machinery, Inc.	2021261854	Maxeon Solar, Pte Ltd.
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		2021261891	YCS Group, LLC

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2021261899	Daiichi Sankyo Company, Limited	2021261972	LOCINOX
2021261903	Scott, III, L.O.	2021261973	Moricca, S.; Persaud, R.
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2021261905	Covered Insurance Solutions, Inc.	2021261975	Children's Medical Center Corporation
2021261907	Scholar Rock, Inc.	2021261981	Norton, M.
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2021261911	Octapharma AG	2021266217	Tanaka, Y.
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2021261929	Alcoa USA Corp.		
2021261930	RTC Industries, Inc.		
2021261931	American Greetings Corporation		
2021261932	The United States of America, as represented by the Secretary, Department of Health and Human Services		
2021261933	Memorial Sloan Kettering Cancer Center		
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2021261953	Printed Energy Pty Ltd		
2021261954	FISHER & PAYKEL HEALTHCARE LIMITED		
2021261955	VG GROUP PTY LTD t/as VORTEC GLOBAL		
2021261956	Rearden, LLC		
2021261957	L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude		
2021261958	MENOVA INTERNATIONAL, INC.		
2021261959	L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude		
2021261960	Blackhawk Network, Inc.		
2021261961	Qingdao Haier Joint Stock Co., Ltd		
2021261962	PACCAR Inc		
2021261963	Bluescope Steel Limited		
2021261964	Amgen Inc.		
2021261965	ViiV Healthcare Company; Janssen Sciences Ireland Unlimited Company		
2021261966	Two Blades Foundation; Commonwealth Scientific and Industrial Research Organisation		

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

(71) Apple Inc.
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(54) User interfaces for subscription applica-
 tions
(62) 2021101064

(71) Docsheen Pty Ltd
(21) 2021107608 (22) 09.11.2021
(54) Urinary flow rate measurement device
 and method
(62) PCT/AU2021/050420

(71) Naval Aviation University
(21) 2021102799 (22) 24.05.2021
(54) Method for clustering battlefield entity
 targets based on multidimensional fea-
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Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

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

The codes next to each number have the following meanings:

Code Meaning

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

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

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2016219648 Daudet, Larry; Stauffer, Timothy; Lin, Jin-Jie; Nguyen, Hien The application has been assigned to **Simpson Strong-Tie Company, Inc.**

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2016240410 Biosceptre (UK) Limited The application has been assigned to **Biosceptre (Aust) Pty Ltd**

2017

2017260806 Luxembourg Institute of Health (LIH); Fundació Hospital Universitari Vall d'Hebron - Institut de Recerca; Institut De Recerca Biomèdica De Lleida Fundació Dr. Pifarré The application has been assigned to **Fundació Hospital Universitari Vall d'hebron - Institut de Recerca**

2017317575 Takeda GmbH The application has been assigned to **Takeda Pharmaceutical Company Limited**

2017346936 Biosceptre (UK) Limited The application has been assigned to **Biosceptre (Aust) Pty Ltd**

2017353771 Blue Bottle Coffee, Inc. The application has been assigned to **Soci t  des Produits Nestl  S.A.**

2018

2018207402 Rodin Therapeutics, Inc. The application has been assigned to **Aikermes, Inc.**

2018257217 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2018267187 KAFFA – ARMAZ NS DE CAF , LIMITADA The application has been assigned to **GALV O & NORONHA LDA.**

2018276985 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2018303249 Fundaci  Hospital Universitari Vall d'Hebron - Institut de Recerca; Institut de Recerca Biom dica de Lleida Fundaci  Dr. Pifarr ; Luxembourg Institute of Health (LIH) The application has been assigned to **Fundaci  Hospital Universitari Vall d'hebron - Institut de Recerca**

2018328532 Shenzhen Salubris Pharmaceuticals Co. Ltd The application has been assigned to **Ningbo Combireg Pharmaceutical Technology Co., Ltd; Shenzhen Salubris Pharmaceuticals Co. Ltd**

2018336731 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2018455569 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2019

2019213290 Aratinga Bio TNP The application has been assigned to **Ixaka France SAS**

2019215491 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2019218653 Norwegian University of Science and Technology (NT-NU) The application has been assigned to **Cimon Medical AS - Org.Nr.923156445**

Assignments before Grant, Section 113

2019218655 Norwegian University of Science and Technology (NT-NU) The application has been assigned to **Cimon Medical AS - Org.Nr.923156445**

2019260241 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2019275479 Biosceptre (UK) Limited The application has been assigned to **Biosceptre (Aust) Pty Ltd**

2019297214 Medshine Discovery Inc. The application has been assigned to **Phaeno Therapeutics Co., Ltd.**

2019309328 Aratinga.bio TNP The application has been assigned to **Ixaka France SAS**

2019367448 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2019403391 Concert Pharmaceuticals, Inc. The application has been assigned to **Terran Biosciences, Inc.**

2019431775 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2019432108 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2019433018 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2019440052 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2020

2020210185 Biosceptre (UK) Limited The application has been assigned to **Biosceptre (Aust) Pty Ltd**

2020320834 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2020353609 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2020425507 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

2020904569 Dry, Rodney; The University of Melbourne; Dry, Michael The application has been assigned to **The University of Melbourne**

2021

2021211051 Huawei Technologies Co., Ltd. The application has been assigned to **Huawei Digital Power Technologies Co., Ltd.**

Extensions of Time, Section 223

Applications Received

Extensions of Time, Section 223

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

2009

2009219100 **Silesco Pty Ltd** An application to extend the time from 26 Feb 2021 to 26 Sep 2021 in which to pay a renewal fee has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2013

2013361289 **Zieler, H.** An application to extend the time from 19 Dec 2020 to 19 Sep 2021 in which to pay a renewal fee has been filed . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2016

2016200960 **ARGO COMPUTING SERVICES PTY LTD** An application to extend the time from 15 Feb 2021 to 15 Sep 2021 in which to pay a renewal fee has been filed . Address for service - ARGO COMPUTING SERVICES PTY LTD PO Box 145, Chadstone Centre Chadstone VIC 3148 AU

2016201455 **Long Enterprises Pty Ltd** An application to extend the time from 04 Mar 2021 to 04 Oct 2021 in which to pay a continuation fee has been filed . Address for service - Armour IP Pty Ltd PO Box 3099 Broadway Nedlands WA 6009 AU

2017

2017100709 **TOLLMAN PTY LTD** An application to extend the time from 14 Jun 2019 to 14 Aug 2021 in which to pay a renewal fee has been filed . Address for service - TOLLMAN PTY LTD 5-7 MARIA STREET VIC LAVERTON NORTH VIC 3026 AU

2017227050 **Dometic Sweden AB** An application to extend the time from 28 Feb 2021 to 28 Oct 2021 in which to pay a continuation fee has been filed . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2018

2018220496 **LG Electronics Inc.** An application to extend the time from 31 Jul 2021 to 30 Jun 2022 in which to gain acceptance has been filed . Address for service - Dentons Patent Attorneys Australasia Limited 18 Viaduct Harbour Avenue Auckland CBD 1142 NZ

2020

2020102918 **Polaris IP Pty Ltd** An application to extend the time from 16 Feb 2021 to 16 Sep 2021 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021

2021107585 **Handan Shiwei New Materials Co. Ltd.** An application to extend the time from 02 Jan 2020 to 02 Nov 2021 in which to make a further application for a divisional patent has been filed . Address for service - Armour IP Pty Ltd PO Box 3099 Broadway Nedlands WA 6009 AU

2021254517 **Handan Shiwei New Materials Co. Ltd.** An application to extend the time from 18 Apr 2020 to 18 Oct 2021 in which to make a further application for a divisional patent has been filed . Address for

Extensions of Time, Section 223

service - Armour IP Pty Ltd PO Box 3099 Broadway Nedlands WA 6009 AU

Applications Allowed - Section 223(2)**2015**

2015249038 **Guangdong Archie Hardware Co., Ltd** The time in which to extend the grace period has been extended to 15 Nov 2015 . Address for service - Patentec Patent Attorneys Po Box A1172 Sydney South NSW 1235 AU

2017

2017351645 **Australian Mud Company Pty Ltd** The time in which to request examination has been extended to 03 Nov 2021 . Address for service - IMDEX LTD 216 Balcatta Road BALCATTWA WA 6021 AU

2019

2019438812 **Supracor, Inc.** The time in which to restore priority under Rule 49ter.2 of the PCT regulations has been extended to 25 Oct 2019 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2021

2021245101 **Nextracker Inc.** The time in which to make a further application for a divisional patent has been extended to 01 Nov 2021 . Address for service - Clark Intellectual Property Pty Ltd 14 Eaton Street Willoughby NSW 2068 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.

2015

2015202221 Incoming telephone call management for a portable multifunction device with touch screen display **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read LEMAY, Stephen O.; JOBS, Steven P.; FORSTALL, Scott; CHRISTIE, Greg; NOVICK, Gregory; VAN OS, Marcel; COFFMAN, Patrick Lee and CHAUDHRI, Imran . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2016

2016269522 Incoming telephone call management for a portable multifunction device with touch screen display **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read LEMAY, Stephen O.; JOBS, Steven P.; FORSTALL, Scott; CHRISTIE, Greg; NOVICK, Gregory; VAN OS, Marcel; COFFMAN, Patrick Lee and CHAUDHRI, Imran . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2017

2017245601 Use of pimobendan for the reduction of heart size and/or the delay of onset of clinical symptoms in patients with asymptomat-

Amendments

ic heart failure due to mitral valve disease **Boehringer Ingelheim Vetmedica GmbH** The nature of the amendment is as shown in the statement(s) filed 14 Oct 2021 . Address for service - FB Rice Pty Ltd Level 14 90 Collins Street Melbourne VIC 3000 AU

2017445584 SiRNA molecule inhibiting the expression of the PCSK9 gene and use thereof **Argorna Pharmaceuticals Limited ; Guangzhou RiboBio Co., Ltd.** The nature of the amendment is: Delete applicant Guangzhou RiboBio Co., Ltd. . Address for service - Shelston IP Pty Ltd. Level 9 60 Margaret Street Sydney NSW 2000 AU

2018

2018201634 Monitoring ground-engaging products for earth working equipment **ESCO Group LLC** The nature of the amendment is as shown in the statement(s) filed 28 Sep 2021 . Address for service - MINTER ELLISON Rialto Towers 525 Collins Street Melbourne VIC 3000 AU

2018203659 STIMULATION DEVICE HAVING AN APPENDAGE **Novoluto GmbH** The nature of the amendment is as shown in the statement(s) filed 05 Mar 2021 . Address for service - James & Wells Intellectual Property GPO BOX 1301 Canberra ACT 2601 AU

2018346776 Biocementation method and system **Biomason Inc.** The nature of the amendment is as shown in the statement(s) filed 03 Nov 2021 . Address for service - IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD PO Box 1321 SPRINGWOOD QLD 4127 AU

2018363611 Method and kit for sample preparation and endotoxin determination **Buchberger , A.** The nature of the amendment is as shown in the statement(s) filed 21 Oct 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2020

2020102685 Use of pimobendan for the reduction of heart size and/or the delay of onset of clinical symptoms in patients with asymptomatic heart failure due to mitral valve disease **Boehringer Ingelheim Vetmedica GmbH** The nature of the amendment is as shown in the statement(s) filed 14 Oct 2021 . Address for service - FB Rice Pty Ltd Level 33 477 Collins Street Melbourne VIC 3000 AU

Amendments Made**2007**

2007209791 **ASSA ABLOY Australia Pty Limited** The nature of the amendment is as shown in the statement filed 02 Aug 2021

2012

2012203020 **Aristocrat Technologies Australia Pty Limited** The nature of the amendment is as shown in the statement filed 10 Aug 2021

2013

2013315359 **BHP Billiton Olympic Dam Corporation Pty Ltd** The nature of the amendment is: Amend the name of the inventor to read West, Robert Charles; Gee, Anthony Robert; Sun, Shouyi; Jahanshahi, Shafi and Wright, Steven

Amendments**2014**

2014227909 **Dana-Farber Cancer Institute, Inc.** The nature of the amendment is as shown in the statement filed 30 Jun 2021

2015

2015263782 **Lupke, S.; Lupke, M.** The nature of the amendment is: Amend the name of the inventor to read Lupke, Manfred A. A. and Lupke, Stefan A.

2016

2016232975 **Genea IP Holdings Pty Limited** The nature of the amendment is as shown in the statement filed 09 Aug 2021

2016381563 **Wear2B Ltd** The nature of the amendment is: Add the name of a co-inventor as Bar-Sakai, Giora

2017

2017100382 **RYNAL PTY LTD** The nature of the amendment is as shown in the statements filed 23 Sep 2021 and 22 October 2021

2017237457 **Merz Pharma GmbH & Co. KGaA** The nature of the amendment is: Amend the name of the inventor to read Krause, Andreas; Linko, Alexander and Villain, Franck

2018

2018204011 **Dana-Farber Cancer Institute, Inc.** The nature of the amendment is as shown in the statement filed 30 Jun 2021

2018206851 **AstraZeneca AB** The nature of the amendment is as shown in the statement filed 29 Jun 2021

2018247230 **Fisher & Paykel Healthcare Limited** The nature of the amendment is as shown in the statement filed 26 Jul 2021

2018274888 **2seventy bio, Inc.** The nature of the amendment is as shown in the statement filed 30 Jun 2021

2018435528 **Nissin Dental Products, Inc.** The nature of the amendment is: To amend the applicant name to read NISSIN DENTAL PRODUCTS INC.

2019

2019201480 **GlaxoSmithKline Intellectual Property Development Limited** The nature of the amendment is as shown in the statement filed 04 Aug 2021

2019202340 **Sun Pharmaceutical Industries Australia Pty Limited** The nature of the amendment is: Amend the name of the inventor to read Winzer, Thilo; Walker, Tracy Carol; Larson, Tony Robert and Graham, Ian Alexander

2019203726 **Dexcom, Inc.** The nature of the amendment is: Amend the name of a co-inventor to read ZOU, Jiong

2019213337 **Gilead Calistoga LLC** The nature of the amendment is as shown in the statement filed 28 Jul 2021

Amendments

2019322663 **Beijing 7Invensun Technology Co., Ltd.** The nature of the amendment is: Amend the invention title to read Method and apparatus for controlling image acquisition device

2019409889 **Tetra Bio-Pharma Inc.** The nature of the amendment is: Add the name of a co-inventor as BOTELHO, Diane

2019431385 **Renata Medical, Inc.** The nature of the amendment is: Amend the invention title to read Growth Stent And Valve For Congenital Narrowings

2019432401 **Peng, X.** The nature of the amendment is: Amend the invention title to read USE OF γ -QUATERNARY AMMONIUM BUTYRATE COMPOUND IN PREPARATION OF ANIMAL FEED ADDITIVE

2019438843 **Amicro Semiconductor Co., Ltd.** The nature of the amendment is: Amend the invention title to read Recharging Control Method of Desktop Robot

2020

2020103870 **Promat Australia Pty Ltd** The nature of the amendment is as shown in the statement filed 03 Aug 2021

2020200873 **Snap-on Incorporated** The nature of the amendment is: Application is to proceed under the number 2020104472

2020200873 **Snap-on Incorporated** The nature of the amendment is as shown in the statement(s) filed 13 Oct 2021

2020250404 **Kawasaki Jukogyo Kabushiki Kaisha** The nature of the amendment is: Amend the invention title to read Premixed Combustion Burner

2020261145 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read PICTURE PREDICTION METHOD AND APPARATUS, AND COMPUTER-READABLE STORAGE MEDIUM

2020264481 **Axon Enterprise, Inc.** The nature of the amendment is: Amend the name of the inventor to read Alakarhu, Juha; Hakanen, Jesse and Suksi, Matti

2020265942 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read COMMUNICATION METHOD, COMMUNICATION APPARATUS, COMPUTER STORAGE MEDIUM, AND COMMUNICATION SYSTEM

2020270875 **Stationmar AS** The nature of the amendment is as shown in the statement filed 05 Nov 2021

2020277264 **BISSELL Homecare, Inc.** The nature of the amendment is: Application is to proceed under the number 2020104473

2020282990 **Komatsu Ltd.; The University of Tokyo** The nature of the amendment is: Amend the invention title to read Tunnel boring machine, measurement method, and measurement system

2020287517 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read System of controlling unmanned vehicle and method of controlling unmanned vehicle

Amendments

2020316339 **University Of Florida Research Foundation, Incorporated** The nature of the amendment is as shown in the statement filed 25 Oct 2021

2020325457 **Sunwave Communications Co., Ltd.** The nature of the amendment is: Amend the invention title to read UPLINK SUMMATION METHOD AND DEVICE, AND DISTRIBUTED ANTENNA SYSTEM

2020333796 **Bauer Maschinen GmbH** The nature of the amendment is: Amend the invention title to read KELLY BAR ARRANGEMENT FOR A DRILLING APPARATUS AND METHOD FOR WORKING THE GROUND

2021

2021102228 **South China University of Technology** The nature of the amendment is: Amend the name of the inventor to read Lee, Yu-Ch; Hsieh, Min-Chih and Wang, Mingyue

2021103623 **Good Water Energy Ltd** The nature of the amendment is: Amend the name of the inventor to read STRANGE, Warren Ross

2021107045 **Saranraj, P.; Lakshmi, S.; Sudha, A.; Totewad, N.D.; Hamzah, K.J.; Manjaramkar, V.** The nature of the amendment is: Amend the invention title to read A METHOD FOR FORMULATION OF NATURAL LABORATORY DISINFECTANT USING ORANGE PEEL WASTE

2021203824 **Rhodia Operations; Adama Makhteshim Ltd.** The nature of the amendment is: Amend the invention title to read Polyelectrolyte-layer forming block copolymers and compositions and uses thereof

2021221448 **Sun Pharmaceutical Industries Australia Pty Limited** The nature of the amendment is: Amend the name of the inventor to read Winzer, Thilo; Walker, Tracy Carol; Larson, Tony Robert and Graham, Ian Alexander

2021257927 **Cue Health Inc.** The nature of the amendment is: Amend the priority details to read as a divisional application of 2016296589 dated 16 July 2016

2021903322 **Manozho, T.** The nature of the amendment is: Amend the invention title to read EYCSAR

Alteration of Name(s) of Applicant(s)/Patentee(s)**2004**

2004243344 **BHP Billiton Olympic Dam Corporation Pty Ltd ; Australian Nuclear Science and Technology Organisation** The name of the patentee has been altered to **BHP Olympic Dam Corporation Pty Ltd; Australian Nuclear Science and Technology Organisation**

2009

2009268680 **Wirepath Home Systems, LLC** The name of the patentee has been altered to **Snap One, LLC**

Amendments

2010

2010284227 Wirepath Home Systems, LLC The name of the patentee has been altered to **Snap One, LLC**

2010284232 Wirepath Home Systems, LLC The name of the patentee has been altered to **Snap One, LLC**

2010326055 Surefire Medical, Inc. The name of the patentee has been altered to **TriSalus Life Science, Inc.**

2011

2011231526 VICINAY CADENAS, S.A. The name of the patentee has been altered to **VICINAY MOORING CONNECTORS, S.A.**

2012

2012370343 Advanced MR Analytics AB The name of the patentee has been altered to **AMRA Medical AB**

2013

2013315355 BHP Billiton Olympic Dam Corporation Pty Ltd The name of the patentee has been altered to **BHP Olympic Dam Corporation Pty Ltd**

2013315359 BHP Billiton Olympic Dam Corporation Pty Ltd The name of the patentee has been altered to **BHP Olympic Dam Corporation Pty Ltd**

2015

2015236464 Surefire Medical, Inc. The name of the patentee has been altered to **TriSalus Life Science, Inc.**

2015250942 Advanced Mr Analytics Ab The name of the patentee has been altered to **AMRA Medical AB**

2015367301 BHP Billiton Olympic Dam Corporation Pty Ltd The name of the patentee has been altered to **BHP Olympic Dam Corporation Pty Ltd**

2016

2016250542 Medline Industries, Inc. The name of the patentee has been altered to **Medline Industries, LP**

2016316564 Statoil Petroleum AS The name of the applicant has been altered to **Equinor Energy AS**

2017

2017257398 Simic, Michelle The name of the applicant has been altered to **Simic, M.**

2017272308 PERI GmbH The name of the applicant has been altered to **PERI AG**

2017326764 BHP Billiton Olympic Dam Corporation Pty Ltd The name of the applicant has been altered to **BHP Olympic Dam Corporation Pty Ltd**

2017341926 J. Keith Joung; Jason Michael Gehrke The name of the applicant has been altered to **The General Hospital Corporation**

Amendments

2018

2018207113 Berkshire Biomedical, LLC The name of the applicant has been altered to **Berkshire Biomedical Corporation**

2018410756 Vicinay Cadenas S.A. The name of the applicant has been altered to **VICINAY MOORING CONNECTORS, S.A.**

2019

2019235911 Berkshire Biomedical, LLC The name of the applicant has been altered to **Berkshire Biomedical Corporation**

2020

2020904109 RMIT University The name of the applicant has been altered to **Royal Melbourne Institute of Technology**

2021

2021107065 Kukade, Shweta; Chaudhari, Bharat S. The name of the applicant has been altered to **Kukade, S.; Chaudhari, B.S.; Sutaone, M.S.; Patil, R.A.; College of Engineering Pune; Dr.Vishwanath Karad MIT-World Peace University**

2021202088 Medline Industries, Inc. The name of the applicant has been altered to **Medline Industries, LP**

2021901130 James Sung The name of the applicant has been altered to **ResMed Pty Ltd**

Amendments Made Under Section 105

Court Order by the Federal Court of New South Wales, NSD438/2019 Australian Patent/Patent Application 2015261694 in the name of Stratus Medical, LLC

The amendments advertised in the Official Journal of Patents dated 08 Apr 2021 have been made in accordance with a Court Order 28 Oct 2021 .

Applications Open to Public Inspection

Name Index

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

(71) A. Raymond Et Cie
 (11) AU-A-2021201751
 (21) 2021201751 (22) 19.03.2021
 (54) PIN
 (51) Int. Cl.
F24S 25/61 (2018.01)
F24S 25/634 (2018.01)
H02S 20/00 (2014.01)
 (31) 63/020,856 (32) 06.05.20 (33) US
 FR2004660 12.05.20 FR
 (43) 25.11.2021
 (72) Friedrich, Christian; Le Gall, Antoine
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

Acceleron Pharma Inc. see Celgene Corporation
 (21) 2021258087

(71) ADVAGENE BIOPHARMA CO., LTD.
 (11) AU-A-2021202909
 (21) 2021202909 (22) 07.05.2021
 (54) METHOD FOR THE PROPHYLAXIS OR TREATMENT OF CORONAVIRUS INFECTION USING AN IMMUNOMODULATOR AND VACCINE COMPOSITIONS COMPRISING THE SAME
 (51) Int. Cl.
A61K 47/42 (2017.01)
A61K 39/215 (2006.01)
A61K 39/39 (2006.01)
A61P 31/14 (2006.01)
 (31) 63/022,017 (32) 08.05.20 (33) US
 (43) 25.11.2021
 (72) HSU, Yu-Shen; KANG, Ssu-Wei; CHANG, Ming-I
 (74) AJ PARK

(71) Airformer Pty Ltd
 (11) AU-A-2021257981
 (21) 2021257981 (22) 27.10.2021
 (54) Apparatus and elements for use in building construction
 (51) Int. Cl.
E04G 11/36 (2006.01)
E04B 5/43 (2006.01)
 (43) 25.11.2021
 (62) 2016203082
 (72) PLOTKIN, Kym
 (74) Spruson & Ferguson

(71) Air Products and Chemicals, Inc.
 (11) AU-A-2021202693
 (21) 2021202693 (22) 30.04.2021
 (54) COIL WOUND HEAT EXCHANGER
 (51) Int. Cl.
F25J 1/00 (2006.01)
F25J 5/00 (2006.01)

F28D 7/02 (2006.01)
 (31) 16/867,250 (32) 05.05.20 (33) US
 (43) 25.11.2021
 (72) Roberts, Mark Julian; Weist, AnneMarie Ott; Bukowski, Justin David
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Alchin Long Group IP Pty Limited
 (11) AU-A-2021202849
 (21) 2021202849 (22) 05.05.2021
 (54) A roller assembly
 (51) Int. Cl.

E05D 15/06 (2006.01)
 (31) 2020901444 (32) 06.05.20 (33) AU
 (43) 25.11.2021
 (72) Biro, Mitchell
 (74) LMW IP PTY LTD

(71) Allergan, Inc.
 (11) AU-A-2021258053
 (21) 2021258053 (22) 29.10.2021
 (54) Hyaluronic acid-collagen matrices for dermal filling and volumizing applications
 (51) Int. Cl.
A61K 8/65 (2006.01)
A61K 8/73 (2006.01)
A61L 27/52 (2006.01)
A61Q 19/00 (2006.01)
A61Q 19/08 (2006.01)
 (43) 25.11.2021
 (62) 2019257369
 (72) Yu, Xiaojie; Manesis, Nicholas J.; Pollock, Jacob F.
 (74) Davies Collison Cave Pty Ltd

(71) Alnylam Pharmaceuticals, Inc.
 (11) AU-A-2021258003
 (21) 2021258003 (22) 28.10.2021
 (54) Factor XII (Hageman Factor) (F12), Kallikrein B, plasma (Fletcher Factor) 1 (KLKB1), and Kininogen 1 (KNG1) iRNA compositions and methods of use thereof
 (51) Int. Cl.
A61K 31/713 (2006.01)
C12N 15/113 (2010.01)
 (43) 25.11.2021
 (62) 2016257996
 (72) AKINC, Akin; HINKLE, Gregory; MAIER, Martin; BUTLER, James; LIU, Jingxuan
 (74) Griffith Hack

(71) Alnylam Pharmaceuticals, Inc.
 (11) AU-A-2021258022
 (21) 2021258022 (22) 28.10.2021

(54) Assays and methods for determining activity of a therapeutic agent in a subject
 (51) Int. Cl.
C12N 15/113 (2010.01)
C12Q 1/68 (2018.01)
 (43) 25.11.2021
 (62) 2019206020
 (72) Sah, Dinah; Bumcrot, David; Sehgal, Alfica
 (74) FB Rice Pty Ltd

(71) ALSTOM Transport Technologies; Université Polytechnique Hauts-de-France; Centre National de la Recherche Scientifique
 (11) AU-A-2021202831
 (21) 2021202831 (22) 05.05.2021
 (54) Particle-collecting device and vehicle equipped with such a device
 (51) Int. Cl.
B01D 47/02 (2006.01)
 (31) 20 04548 (32) 07.05.20 (33) FR
 (43) 25.11.2021
 (72) Octau, Charlène, Aline, Françoise; Meresse, Damien, Laurent, Henri; Watremez, Michel
 (74) Davies Collison Cave Pty Ltd

(71) Angel Group Co., Ltd.
 (11) AU-A-2021258024
 (21) 2021258024 (22) 28.10.2021
 (54) Game token money, method of manufacturing game token money, and inspection system
 (51) Int. Cl.
G07F 1/06 (2006.01)
A44C 21/00 (2006.01)
G06K 7/10 (2006.01)
 (43) 25.11.2021
 (62) 2020205305
 (72) SHIGETA, Yasushi
 (74) Davies Collison Cave Pty Ltd

(71) Apple Inc.
 (11) AU-A-2020233622
 (21) 2020233622 (22) 14.09.2020
 (54) System, method and user interface for supporting scheduled mode changes on electronic devices
 (51) Int. Cl.
G06F 3/048 (2013.01)
G06F 21/00 (2013.01)
 (31) 63/023,214 (32) 11.05.20 (33) US
 (43) 25.11.2021
 (72) CROWLEY, Matthew W.; CARO, Pablo F.; NAGUIT, Charmian B.; GILRAVI, Eamon F.; FOSS, Christopher P.
 (74) FPA Patent Attorneys Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

(71) Apple Inc.
 (11) AU-A-2020239711
 (21) 2020239711 (22) 24.09.2020
 (54) User interface for audio message
 (51) Int. Cl.
G06F 3/0486 (2013.01)
 (31) PA 2020 70617 (32) 22.09.20 (33) DK
 63/023,225 11.05.20 US
 63/041,979 21.06.20 US
 (43) 25.11.2021
 (72) COFFMAN, Patrick L; KIM, Andrew
 Seunghyun
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2020239749
 (21) 2020239749 (22) 24.09.2020
 (54) User interfaces related to time
 (51) Int. Cl.
G06F 3/00 (2006.01)
G04C 17/00 (2006.01)
 (31) PA 2020 70623 (32) 22.09.20 (33) DK
 PA 2020 70624 22.09.20 DK
 PA 2020 70625 22.09.20 DK
 63/023,194 11.05.20 US
 63/078,314 14.09.20 US
 (43) 25.11.2021
 (72) Chen, Kevin Will; Guzman, Aurelio;
 Wilson, Christopher; Page, Pani;
 Scapel, Nicolas; Rickwald, Jason;
 Romney, Christopher James; Gardner,
 JD; Barlier, Guillaume Pierre André;
 Forssell, Lisa K.; Connor, Teofila;
 Lee, Eileen Y.; McFetridge, Geoff Boyd;
 Chao, Edward; Lynch, Kevin; Dye, Alan
 C.
 (74) FPA Patent Attorneys Pty Ltd

(71) Ares Trading S.A.
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 (51) Int. Cl.
C12P 21/00 (2006.01)
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 SOUQUET, Jonathan; BROLY, Hervé;
 BRUHLMANN, David
 (74) Griffith Hack

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 (11) AU-A-2021202861
 (21) 2021202861 (22) 05.05.2021
 (54) ELECTRONIC GAMING MACHINE WITH ACCESS DOOR
 (51) Int. Cl.
G07F 17/32 (2006.01)
A63F 13/90 (2014.01)
 (31) 16/867,290 (32) 05.05.20 (33) US
 (43) 25.11.2021
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 PRIDDY, Ryan; DUNDARADDI, Kiran;
 LAMB, William
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 (21) 2021202890 (22) 06.05.2021
 (54) ELECTRONIC GAMING SYSTEMS AND METHODS WITH SHORT TERM PERSISTENCE
 (51) Int. Cl.
G07F 17/32 (2006.01)
 (31) 63/020,730 (32) 06.05.20 (33) US
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 SANBORN, Hanna; DECASA, Rogelio;
 USS, Jeffrey; CHING, Erick; SMITH,
 Zachary
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 (51) Int. Cl.
G07F 17/32 (2006.01)
 (31) 63/022,192 (32) 08.05.20 (33) US
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 GONG, Xiaoqiang; LIU, Bo
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G07F 17/32 (2006.01)
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C07D 403/06 (2006.01)
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 Hanqing; Wang, Jing; Siu, Kam; Ferraro,
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 (74) Shelston IP Pty Ltd.

(71) BlueScope Steel Limited
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 (54) Coating process
 (51) Int. Cl.
C09D 5/00 (2006.01)
C08J 7/04 (2020.01)

C23C 28/00 (2006.01)
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 (72) Maclaughlin, Shane A.; Xi, Binbin
 (74) Allens Patent & Trade Mark Attorneys

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A61B 34/10 (2016.01)
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 KOERNER, Sebastian; SPERRY, Erik;
 SCHNEIDER, Chad; HERA, Mark
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(71) Brown, D.
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A61K 31/7024 (2006.01)
A61K 31/336 (2006.01)
 (43) 25.11.2021
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(71) Built Robotics Inc.
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 (51) Int. Cl.
G05D 1/02 (2020.01)
E02F 1/00 (2006.01)
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 Andrew
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 (54) RETRACTABLE WHEEL SYSTEM
 (51) Int. Cl.
A01B 63/22 (2006.01)
A01B 73/04 (2006.01)
 (31) 2020901450 (32) 06.05.20 (33) AU
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 (51) Int. Cl.
A01B 69/00 (2006.01)
A01B 63/02 (2006.01)
A01B 63/16 (2006.01)
B60B 33/02 (2006.01)
B60B 33/00 (2006.01)
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 (51) Int. Cl.
A01B 63/00 (2006.01)
A01B 61/04 (2006.01)
A01B 63/08 (2006.01)
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(71) Cargill, Incorporated
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 (51) Int. Cl.
C07H 15/256 (2006.01)
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 (72) Carlson, Ting Liu; Gaspard, Dan S.; Mortenson, Michael Alan
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Improved Exercise Roller
 (51) Int. Cl.
A61H 15/00 (2006.01)
A63B 22/00 (2006.01)
A63B 23/00 (2006.01)
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 (72) CASTIGLIONE, Angelo
 (74) Wallington-Dummer

(71) CATERPILLAR INC.
 (11) AU-A-2021202465
 (21) 2021202465 (22) 22.04.2021
 (54) SYSTEM AND METHOD INVOLVING MULTIPLE SOFTWARE TARGETS PACKAGED INTO ONE FILE
 (51) Int. Cl.
G06F 8/61 (2018.01)
G06F 9/44 (2018.01)
G06F 21/10 (2013.01)
 (31) 16/867,195 (32) 05.05.20 (33) US

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A61K 38/18 (2006.01)
A61P 7/00 (2006.01)
A61P 7/06 (2006.01)

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C12N 5/071 (2010.01)
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G06Q 10/06 (2012.01)
G06Q 10/10 (2012.01)
G06Q 50/08 (2012.01)
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 (74) Baxter Patent Attorneys Pty Ltd

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 (51) Int. Cl.
G06F 40/10 (2020.01)
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 (54) Heat generating system
 (51) Int. Cl.
F24V 30/00 (2018.01)
C01B 3/00 (2006.01)
C01B 4/00 (2006.01)
F17C 11/00 (2006.01)
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 (74) Shelston IP Pty Ltd.

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 (21) 2021202857 (22) 05.05.2021
 (54) Thread protector
 (51) Int. Cl.
B65D 59/06 (2006.01)
E21B 17/00 (2006.01)
F16L 57/00 (2006.01)
 (31) 2020901442 (32) 06.05.20 (33) AU
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 (72) Nommensen, David
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 (11) AU-A-2021257944
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 (51) Int. Cl.
A61B 17/04 (2006.01)
 (43) 25.11.2021
 (62) 2019227635
 (72) MILLER, Peter; BOSWORTH, Adrian
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 (51) Int. Cl.
B65D 77/06 (2006.01)
B65D 47/24 (2006.01)
B67B 7/00 (2006.01)
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 (72) DARBY, Ian
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B07B 1/15 (2006.01)
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 (51) Int. Cl.
A63F 13/92 (2014.01)
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 (74) Davies Collison Cave Pty Ltd

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 (54) Matrix metalloprotease-cleavable and serine protease-cleavable substrates and methods of use thereof
 (51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/395 (2006.01)
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 (21) 2021202192 (22) 12.04.2021
 (54) Air cart with anti-pulsing roller drivetrain
 (51) Int. Cl.
A01C 15/16 (2006.01)
A01C 7/16 (2006.01)
 (31) 16/868,985 (32) 07.05.20 (33) US
 (43) 25.11.2021
 (72) Harmon, Andrew W.; Bartelson, Matt D.
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2021257949
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 (54) Molecules that selectively activate regulatory T cells for the treatment of autoimmune diseases
 (51) Int. Cl.
C07K 14/55 (2006.01)
C07K 14/00 (2006.01)
C07K 16/46 (2006.01)
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 (62) 2017210187
 (72) Greve, Jeffrey
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2021201932 (22) 28.03.2021
 (54) Identifier-based application of therapeutic coatings to medical implant devices
 (51) Int. Cl.
A61B 90/98 (2016.01)
A61F 2/30 (2006.01)
A61F 2/32 (2006.01)
A61F 2/38 (2006.01)

A61L 29/08 (2006.01)
A61L 29/16 (2006.01)
A61M 37/00 (2006.01)
G06F 16/955 (2019.01)
G06K 19/07 (2006.01)
 (31) 16/869,782 (32) 08.05.20 (33) US
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 (51) Int. Cl.
B05B 11/00 (2006.01)
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 (51) Int. Cl.
H04S 7/00 (2006.01)
H04S 3/00 (2006.01)
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 (62) 2020226984
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 (54) Copi coatomer alpha subunit nucleic acid molecules that confer resistance to coleopteran and hemipteran pests
 (51) Int. Cl.
A01H 5/00 (2018.01)
A01H 5/10 (2018.01)
C07K 14/435 (2006.01)
C12N 15/82 (2006.01)
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 (74) FPA Patent Attorneys Pty Ltd

(71) Dropbox, Inc.
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 (54) Updating a remote tree for a client synchronization service
 (51) Int. Cl.

G06F 16/178 (2019.01)
G06F 16/17 (2019.01)
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 (54) Battery including beta-delithiated layered nickel oxide electrochemically active cathode material
 (51) Int. Cl.
H01M 4/42 (2006.01)
H01M 4/24 (2006.01)
H01M 4/52 (2010.01)
H01M 6/04 (2006.01)
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 (74) Griffith Hack

(71) Edico Genome, Corp.
 (11) AU-A-2021258065
 (21) 2021258065 (22) 29.10.2021
 (54) BIOINFORMATICS SYSTEMS, APPARATUS, AND METHODS EXECUTED ON AN INTEGRATED CIRCUIT PROCESSING PLATFORM
 (51) Int. Cl.
G16B 50/00 (2019.01)
G16B 30/00 (2019.01)
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 (74) Phillips Ormonde Fitzpatrick

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 (21) 2021202591 (22) 27.04.2021
 (54) CULTIVATING APPARATUS
 (51) Int. Cl.
A01G 18/62 (2018.01)
A01G 18/69 (2018.01)
 (31) 109205631 (32) 08.05.20 (33) TW
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 (72) Tai, Yu-Feng
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 (11) AU-A-2021257962
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 (54) Photovoltaic management and module-level power electronic
 (51) Int. Cl.
H02S 50/00 (2014.01)
G08C 19/02 (2006.01)
H02S 40/30 (2014.01)
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G06K 9/78 (2006.01)
G06F 16/532 (2019.01)
G06F 16/583 (2019.01)
G06K 9/00 (2006.01)
G06K 9/62 (2006.01)
H04L 9/32 (2006.01)
H04L 29/08 (2006.01)
H04N 1/00 (2006.01)
H04N 5/91 (2006.01)
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C07D 513/04 (2006.01)
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(54) Inflatable life raft assembly
(51) Int. Cl.
B63C 9/04 (2006.01)
B63B 7/08 (2020.01)
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(72) FALETRA, Troy
(74) Cotters Patent & Trade Mark Attorneys

(71) Fisher & Paykel Healthcare Limited
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(54) Nasal respiratory interface and adjustable headgear
(51) Int. Cl.
A61M 16/06 (2006.01)
A62B 18/08 (2006.01)
A63B 33/00 (2006.01)
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A61M 16/06 (2006.01)
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(74) AJ PARK

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(54) Remote LPWAN gateway with backhaul over a high-latency communication system
(51) Int. Cl.
H04W 88/16 (2009.01)
H04L 12/66 (2006.01)
H04W 4/70 (2018.01)
H04W 84/18 (2009.01)
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(71) General Electric Company
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(54) FUEL NOZZLE ASSEMBLY
(51) Int. Cl.
F02C 7/22 (2006.01)
F02K 1/17 (2006.01)
F23R 3/04 (2006.01)
F23R 3/28 (2006.01)
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(51) Int. Cl.
C07D 401/14 (2006.01)
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(62) 2021206907
(72) Shi, Bing
(74) Davies Collison Cave Pty Ltd

(71) Gomez, G.
(11) AU-A-2020202991
(21) 2020202991 **(22)** 06.05.2020
(54) HYDRODYNAMIC SURFBOARD

(51) Int. Cl.
B63B 32/66 (2020.01)
B63B 32/40 (2020.01)
B63B 32/50 (2020.01)
B63B 32/57 (2020.01)
B63B 32/60 (2020.01)
(43) 25.11.2021
(72) Gomez, Guillermo
(74) Admiral Trademarks & Patents Services

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(21) 2021202842 **(22)** 05.05.2021
(54) Pumping assembly and pump including such assembly
(51) Int. Cl.
F04D 7/04 (2006.01)
F04D 13/08 (2006.01)
F04D 29/22 (2006.01)
F04D 29/44 (2006.01)
F04D 29/70 (2006.01)
(31) 2020/02426 **(32)** 05.05.20 **(33)** ZA
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(72) Gradidge, Robert Charles
(74) Davies Collison Cave Pty Ltd

(71) Greyrock Technology, LLC
(11) AU-A-2021258079
(21) 2021258079 **(22)** 29.10.2021
(54) Catalysts, Related Methods And Reaction Products
(51) Int. Cl.
C10J 3/46 (2006.01)
(43) 25.11.2021
(62) 2020230280
(72) SCHUETZLE, Robert; SCHUETZLE, Dennis
(74) WRAYS PTY LTD

(71) GVC Australia Pty Ltd
(11) AU-A-2021202887
(21) 2021202887 **(22)** 06.05.2021
(54) Controlling access to a video library
(51) Int. Cl.
H04N 21/4722 (2011.01)
G06F 16/738 (2019.01)
G06F 16/78 (2019.01)
G06F 16/907 (2019.01)
H04L 9/06 (2006.01)
H04L 9/32 (2006.01)
H04N 21/235 (2011.01)
H04N 21/84 (2011.01)
(31) 2020901467 **(32)** 08.05.20 **(33)** AU
(43) 25.11.2021
(72) ASANUMA, Shane; GRAY, Steve
(74) FB Rice Pty Ltd

(71) HeartSine Technologies Limited
(11) AU-A-2021202084
(21) 2021202084 **(22)** 06.04.2021
(54) Resuscitation system
(51) Int. Cl.
G16H 20/30 (2018.01)
A61B 5/021 (2006.01)
A61B 5/024 (2006.01)
A61B 5/08 (2006.01)

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A61B 5/145 (2006.01)
A61B 5/318 (2021.01)
A61N 1/39 (2006.01)
(31) 2006613.0 **(32)** 05.05.20 **(33)** GB
 2020616.5 24.12.20 GB
(43) 25.11.2021
(72) Donaghy, Dymphna; Anderson, Johnny;
 Harvey, Adam; Lindsay, Peter
(74) Shelston IP Pty Ltd.

(71) HERO HEALTH, INC.
(11) AU-A-2021258044
(21) 2021258044 **(22)** 28.10.2021
(54) DISPENSABLE UNIT RETRIEVAL
 MECHANISM, IDENTIFICATION, AND
 NETWORKED NOTIFICATION
(51) Int. Cl.
A61J 7/02 (2006.01)
(43) 25.11.2021
(62) 2020203560
(72) AKDOGAN, Kutadgu; VON HEIFNER,
 Christian; KELLEY, Maya; HAGOPIAN,
 Gregory Paul; VEPURI, Kalyan C.
(74) AJ PARK

(71) HGH IP Pty Ltd
(11) AU-A-2021202893
(21) 2021202893 **(22)** 07.05.2021
(54) Ameliorating the spread of infectious
 disease
(51) Int. Cl.
A61F 13/40 (2006.01)
A47K 5/12 (2006.01)
A61L 2/00 (2006.01)
(31) 2020901457 **(32)** 07.05.20 **(33)** AU
 2020902988 21.08.20 AU
(43) 25.11.2021
(72) Haddad, Lobna
(74) Davies Collison Cave Pty Ltd

(71) Howard Porter Pty Ltd
(11) AU-A-2021258046
(21) 2021258046 **(22)** 28.10.2021
(54) Towing System
(51) Int. Cl.
B60D 1/145 (2006.01)
B60D 1/00 (2006.01)
B60D 1/14 (2006.01)
(43) 25.11.2021
(62) 2016228310
(72) BALDWIN, Neil
(74) WRAYS PTY LTD

(71) HOWMEDICA OSTEONICS CORP.
(11) AU-A-2021202801
(21) 2021202801 **(22)** 04.05.2021
(54) STEMLESS METAPHYSEAL HUMER-
 AL IMPLANT
(51) Int. Cl.
A61F 2/40 (2006.01)
(31) 63/021,377 **(32)** 07.05.20 **(33)** US
(43) 25.11.2021
(72) SAPIO, Daniel E.; MEHTA, Ashish;
 NELSON, Andrew J.; HOFSTAETTER,
 Bernhard; SHORABH, Sunny
(74) IP GATEWAY PATENT & TRADE
 MARK ATTORNEYS PTY LTD

(71) Ignite Energy Resources Limited
(11) AU-A-2021258076
(21) 2021258076 **(22)** 29.10.2021
(54) Upgrading residues, heavy oils and
 plastics
(51) Int. Cl.
C10G 1/10 (2006.01)
C10G 3/00 (2006.01)
C10G 31/00 (2006.01)
(43) 25.11.2021
(62) 2016275550
(72) HUMPHREYS, Leonard James; ROW-
 LANDS, William Neil
(74) Spruson & Ferguson

(71) Illinois Tool Works Inc.
(11) AU-A-2021202663
(21) 2021202663 **(22)** 29.04.2021
(54) System for loading different conveying
 tracks of at least one dishwasher, and
 dishwasher arrangement having such a
 system
(51) Int. Cl.
A47L 15/24 (2006.01)
(31) 102020112090.7 **(32)** 05.05.20 **(33)** DE
(43) 25.11.2021
(72) DISCH, Harald; SCHREMPP, Martin;
 BOLDT, Adrian
(74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.
(11) AU-A-2021202828
(21) 2021202828 **(22)** 04.05.2021
(54) Jig for forming a floating connection
 between mutually transverse structural
 members
(51) Int. Cl.
E04G 21/18 (2006.01)
B23B 47/28 (2006.01)
E04B 2/82 (2006.01)
(31) 2020901436 **(32)** 06.05.20 **(33)** AU
 2020903929 29.10.20 AU
(43) 25.11.2021
(72) Kennelly, Bernard Joseph
(74) Davies Collison Cave Pty Ltd

(71) Illumina Cambridge Limited
(11) AU-A-2021257967
(21) 2021257967 **(22)** 27.10.2021
(54) Methods and compositions for prepar-
 ing sequencing libraries
(51) Int. Cl.
C12Q 1/68 (2018.01)
(43) 25.11.2021
(62) 2015273232
(72) Rigatti, Roberto; Gormley, Niall Anthony
(74) Shelston IP Pty Ltd.

(71) Immunomedics, Inc.
(11) AU-A-2021258011
(21) 2021258011 **(22)** 28.10.2021
(54) Neoadjuvant use of antibody-drug con-
 jugates
(51) Int. Cl.
A61K 35/00 (2006.01)

A61K 31/166 (2006.01)
A61K 31/4745 (2006.01)
A61P 35/04 (2006.01)
(43) 25.11.2021
(62) 2015328370
(72) Goldenberg, David M.
(74) FPA Patent Attorneys Pty Ltd

(71) Intercontinental Great Brands LLC
(11) AU-A-2021258050
(21) 2021258050 **(22)** 28.10.2021
(54) Packaging material comprising indicator
 responding to an external stimulus
(51) Int. Cl.
G01N 31/22 (2006.01)
C12Q 1/04 (2006.01)
G01N 33/58 (2006.01)
(43) 25.11.2021
(62) 2018318927
(72) ZERFAS, Paul Anthony; SCAROLA,
 Leonard; BLYTH, Stuart Mackintosh;
 POITEVIN, Patrick Jules Joseph;
 WEBER, Jeffrey Thomas
(74) Griffith Hack

(71) Itron Global SARL
(11) AU-A-2021201630
(21) 2021201630 **(22)** 16.03.2021
(54) Optimized objective function for routing
 determination
(51) Int. Cl.
H04L 12/733 (2013.01)
H04W 40/00 (2009.01)
(31) 16/868,418 **(32)** 06.05.20 **(33)** US
(43) 25.11.2021
(72) MAALLEM, Khalid; BARTIER, Jerome;
 KHALED, Yacine; MAHJOUR, Meriem
(74) Spruson & Ferguson

(71) Jeld-Wen, Inc.
(11) AU-A-2021202760
(21) 2021202760 **(22)** 03.05.2021
(54) Drop roller press and method of making
 recessed panel doors
(51) Int. Cl.
B32B 37/10 (2006.01)
B27M 3/18 (2006.01)
B32B 3/12 (2006.01)
B32B 37/18 (2006.01)
E06B 3/70 (2006.01)
(31) 16/870,756 **(32)** 08.05.20 **(33)** US
(43) 25.11.2021
(72) Maher, Daniel; Brown, Wilson
(74) Shelston IP Pty Ltd.

(71) KEIGHTLLEY, K.
(11) AU-A-2021202863
(21) 2021202863 **(22)** 05.05.2021
(54) HOLE CUTTER HAVING PLUG EJECT-
 ION AND METHOD THEREOF
(51) Int. Cl.
B23B 51/04 (2006.01)
(31) 2020901468 **(32)** 08.05.20 **(33)** AU
(43) 25.11.2021
(72) KEIGHTLLEY, Kym
(74) Kym KEIGHTLLEY

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(71) Komatsu Ltd.
 (11) AU-A-2021258061
 (21) 2021258061 (22) 29.10.2021
 (54) Construction management system and construction management method
 (51) Int. Cl.
G06Q 50/08 (2012.01)
E02D 17/18 (2006.01)
E02F 9/20 (2006.01)
E02F 9/26 (2006.01)
 (43) 25.11.2021
 (62) 2019275664
 (72) Shike, Chikashi; Nemoto, Yuichi; Kurihara, Masahiro
 (74) Shelston IP Pty Ltd.

(71) Komatsu Ltd.
 (11) AU-A-2021258094
 (21) 2021258094 (22) 29.10.2021
 (54) Work vehicle, control device, and method for controlling work vehicle
 (51) Int. Cl.
H04Q 9/00 (2006.01)
E02F 9/20 (2006.01)
 (43) 25.11.2021
 (62) 2018345222
 (72) MINAGAWA, Masanori; MORINAGA, Jun; OHYAMA, Yasuhiro; DING, Qi
 (74) FB Rice Pty Ltd

(71) Koninklijke Douwe Egberts B.V.
 (11) AU-A-2021257958
 (21) 2021257958 (22) 26.10.2021
 (54) A capsule and a system for preparing a potable beverage from such a capsule
 (51) Int. Cl.
B65D 85/804 (2006.01)
 (43) 25.11.2021
 (62) 2016264683
 (72) Dijkstra, Hielke; Groothornte, Arend Hendrik; Van Gaasbeek, Erik Pieter; Ottenschot, Marc Henrikus Joseph; Kamerbeek, Ralf; Eijsackers, Armin Sjoerd; Flamand, John Henri
 (74) Davies Collison Cave Pty Ltd

(71) Kremeyer, K.
 (11) AU-A-2021258096
 (21) 2021258096 (22) 29.10.2021
 (54) Directed energy deposition to facilitate high speed applications
 (51) Int. Cl.
D03D 47/30 (2006.01)
D03D 47/27 (2006.01)
D03D 47/28 (2006.01)
 (43) 25.11.2021
 (62) 2016279129
 (72) Kremeyer, Kevin
 (74) FB Rice Pty Ltd

(71) LENSER Filtration GmbH
 (11) AU-A-2020270473
 (21) 2020270473 (22) 17.11.2020
 (54) Cutting device for domestic and/or catering purposes
 (51) Int. Cl.
A47J 47/00 (2006.01)

(31) 20000176.6 (32) 07.05.20 (33) EP
 (43) 25.11.2021
 (72) Börste, Georg; Nordhoff, Simon Martin
 (74) Spruson & Ferguson

(71) LG Electronics Inc.
 (11) AU-A-2021202838
 (21) 2021202838 (22) 05.05.2021
 (54) Filter for water-purification device and water-purification device including the same
 (51) Int. Cl.
C02F 1/28 (2006.01)
B01D 39/20 (2006.01)
C02F 1/00 (2006.01)

(31) 10-2020-0053930 (32) 06.05.20 (33) KR
 (43) 25.11.2021
 (72) WOO, Suhye; LEE, Sangduck; CHOI, Yuseung; HWANG, Uison
 (74) Griffith Hack

(71) LG Electronics Inc.
 (11) AU-A-2021258067
 (21) 2021258067 (22) 29.10.2021
 (54) Method and apparatus for configuring transform for video compression
 (51) Int. Cl.
H04N 19/625 (2014.01)
H04N 19/176 (2014.01)
H04N 19/61 (2014.01)
H04N 19/70 (2014.01)

(43) 25.11.2021
 (62) 2018311237
 (72) KOO, Moonmo
 (74) Davies Collison Cave Pty Ltd

(71) LG ELECTRONICS INC.
 (11) AU-A-2021202910
 (21) 2021202910 (22) 07.05.2021
 (54) FAN MOTOR
 (51) Int. Cl.
F04D 29/056 (2006.01)
F04D 29/059 (2006.01)
F04D 29/063 (2006.01)
F04D 29/32 (2006.01)
F04D 29/52 (2006.01)

(31) 10-2020-0055281 (32) 08.05.20 (33) KR
 10-2020-0059276 18.05.20 KR
 10-2020-0060476 20.05.20 KR
 (43) 25.11.2021
 (72) HWANG, Eunji; KIM, Byungjik; KIM, Sunggi; HWANG, Jisu
 (74) Dentons Patent Attorneys Australasia Limited

(71) Limber Office Limited
 (11) AU-A-2021202896
 (21) 2021202896 (22) 07.05.2021
 (54) ADJUSTABLE HEIGHT DESK
 (51) Int. Cl.
A47B 9/14 (2006.01)
A47B 3/06 (2006.01)

(31) 17/244,109 (32) 29.04.21 (33) US
 63/022,141 08.05.20 US
 (43) 25.11.2021
 (72) De Vries, Bart Johan
 (74) James & Wells Intellectual Property

(71) Listat Ltd.
 (11) AU-A-2021258074
 (21) 2021258074 (22) 29.10.2021
 (54) METHODS AND APPARATUS FOR HYPERSECURE LAST MILE COMMUNICATION
 (51) Int. Cl.
H04L 12/70 (2013.01)
 (43) 25.11.2021
 (62) 2018249485
 (72) Williams, Richard K.; Verzun, Ievgen; Holub, Oleksandr
 (74) Madderns Pty Ltd

(71) LivePerson, Inc.
 (11) AU-A-2021258015
 (21) 2021258015 (22) 28.10.2021
 (54) Analytics driven engagement
 (51) Int. Cl.
G06Q 30/00 (2012.01)
G06Q 30/02 (2012.01)
 (43) 25.11.2021
 (62) 2020204288
 (72) ZELENIKO, Avinoam; GORDON, Vitaly; KEHAT, Arnon-Naftally; BARAK, Matan
 (74) FB Rice Pty Ltd

(71) Living Proof, Inc.
 (11) AU-A-2021257951
 (21) 2021257951 (22) 26.10.2021
 (54) LONG LASTING COSMETIC COMPOSITIONS
 (51) Int. Cl.
C08G 18/44 (2006.01)
A61K 8/87 (2006.01)
A61Q 5/06 (2006.01)
C08G 18/08 (2006.01)
C08G 18/10 (2006.01)
C08G 18/12 (2006.01)
C08G 18/28 (2006.01)
C08G 18/38 (2006.01)
C08G 18/42 (2006.01)
C08G 18/75 (2006.01)

(43) 25.11.2021
 (62) 2017229125
 (72) Kang, Soo-Young; Turner, Sara A.; Tseng, Ling-Fang; Ji, Zhaoxia; Spengler, Eric G.
 (74) RnB IP

(71) MacDon Industries Ltd.
 (11) AU-A-2021258047
 (21) 2021258047 (22) 28.10.2021
 (54) DRAPER CANVAS SEAL
 (51) Int. Cl.
A01D 43/06 (2006.01)
A01D 41/14 (2006.01)
A01D 61/00 (2006.01)
A01D 75/00 (2006.01)

(43) 25.11.2021
 (62) 2019204064
 (72) TALBOT, Francois R; COUDIERE, Romain Etienne Guy
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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- (71) Magic Leap, Inc.
 (11) AU-A-2021258005
 (21) 2021258005 (22) 28.10.2021
 (54) System and method for augmented and virtual reality
 (51) Int. Cl.
G02B 27/01 (2006.01)
A61B 3/10 (2006.01)
 (43) 25.11.2021
 (62) 2020210147
 (72) Miller, Samuel A.; Abovitz, Rony
 (74) Davies Collison Cave Pty Ltd
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- (71) Marantec Antriebs- und Steuerungstechnik GmbH & Co. KG
 (11) AU-A-2021202833
 (21) 2021202833 (22) 05.05.2021
 (54) Planar spiral gearbox and door drive component and door drive having said gearbox
 (51) Int. Cl.
F16H 1/12 (2006.01)
E06B 9/70 (2006.01)
F16H 1/20 (2006.01)
 (31) 20 2020 102 568.6 (32) 07.05.20 (33) DE
 (43) 25.11.2021
 (72) Hornmann, Michael
 (74) Shelston IP Pty Ltd.
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- (71) MARS BIOIMAGING LIMITED
 (11) AU-A-2021258099
 (21) 2021258099 (22) 01.11.2021
 (54) Improving Material Identification using Multi-Energy CT Image Data
 (51) Int. Cl.
A61B 5/05 (2021.01)
 (43) 25.11.2021
 (62) 2020273291
 (72) BUTLER, ANTHONY PHILLIP
 HOWARD; BATEMAN, CHRISTOPHER
 JAMES; BUTLER, PHILIP HOWARD;
 RENAUD, PETER FRANCIS
 (74) The IP Studio
-
- (71) Massachusetts Institute of Technology
 (11) AU-A-2021257964
 (21) 2021257964 (22) 27.10.2021
 (54) AMINO ACID DERIVATIVES FUNCTIONALIZED ON THE N-TERMINUS CAPABLE OF FORMING DRUG ENCAPSULATING MICROSPHERES AND USES THEREOF
 (51) Int. Cl.
C07D 207/16 (2006.01)
A61K 48/00 (2006.01)
C07C 227/18 (2006.01)
C07C 229/12 (2006.01)
C07C 229/16 (2006.01)
C07C 229/22 (2006.01)
C07C 229/26 (2006.01)
C07C 229/28 (2006.01)
C07D 209/20 (2006.01)
C07D 233/64 (2006.01)
C07D 241/08 (2006.01)
C07D 403/06 (2006.01)
C07D 487/06 (2006.01)
C12N 15/87 (2006.01)

- (43) 25.11.2021
 (62) 2020201387
 (72) Langer, Robert S.; Dong, Yizhou; Love, Kevin Thomas; Anderson, Daniel Griffith; Chen, Delai; Chen, Yi; Vegas, Arturo Jose; Alabi, Akinleye; Zhang, Yunlong
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) MEDACTA INTERNATIONAL SA
 (11) AU-A-2021258073
 (21) 2021258073 (22) 29.10.2021
 (54) Positioning apparatus of a patient's limb
 (51) Int. Cl.
A61G 13/12 (2006.01)
A61G 13/00 (2006.01)
 (43) 25.11.2021
 (62) 2019269145
 (72) SICCARDI, Francesco; BERNARDONI, Massimiliano; ROSSI, Ermete; LAUDE, Frederic; RIGHETTINI, Paolo
 (74) FB Rice Pty Ltd
-
- (71) MEDACTA INTERNATIONAL SA
 (11) AU-A-2021258077
 (21) 2021258077 (22) 29.10.2021
 (54) Positioning apparatus of a patient's limb
 (51) Int. Cl.
A61G 13/12 (2006.01)
A61G 13/00 (2006.01)
 (43) 25.11.2021
 (62) 2019269145
 (72) SICCARDI, Francesco; BERNARDONI, Massimiliano; ROSSI, Ermete; LAUDE, Frederic; RIGHETTINI, Paolo
 (74) FB Rice Pty Ltd
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- (71) MEDACTA INTERNATIONAL SA
 (11) AU-A-2021258082
 (21) 2021258082 (22) 29.10.2021
 (54) Positioning apparatus of a patient's limb
 (51) Int. Cl.
A61G 13/12 (2006.01)
A61G 13/00 (2006.01)
 (43) 25.11.2021
 (62) 2019269145
 (72) SICCARDI, Francesco; BERNARDONI, Massimiliano; ROSSI, Ermete; LAUDE, Frederic; RIGHETTINI, Paolo
 (74) FB Rice Pty Ltd
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- (71) Mederis Diabetes, LLC
 (11) AU-A-2021258101
 (21) 2021258101 (22) 01.11.2021
 (54) IMPROVED PEPTIDE PHARMACEUTICALS
 (51) Int. Cl.
C07K 7/06 (2006.01)
A61K 31/35 (2006.01)
A61K 38/08 (2019.01)
A61P 5/00 (2006.01)
 (43) 25.11.2021
 (62) 2019275610
 (72) Nestor, John J.
 (74) AJ PARK

- (71) MedImmune Limited
 (11) AU-A-2021257983
 (21) 2021257983 (22) 27.10.2021
 (54) ANTI-PAR2 ANTIBODIES AND USES THEREOF
 (51) Int. Cl.
C07K 16/28 (2006.01)
A61K 39/00 (2006.01)
A61P 25/00 (2006.01)
 (43) 25.11.2021
 (62) 2018235031
 (72) Dobson, Claire; Williams, Richard; Gurrell, Ian; Podichetty, Sadhana; Fairman, David; Thornton, Peter; Newton, Philip
 (74) Phillips Ormonde Fitzpatrick
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- (71) Memorial Sloan-Kettering Cancer Center
 (11) AU-A-2021258070
 (21) 2021258070 (22) 29.10.2021
 (54) Intestinal microbiota and GVHD
 (51) Int. Cl.
A61K 35/74 (2015.01)
 (43) 25.11.2021
 (62) 2015353465
 (72) VAN DEN BRINK, Marcel; JENQ, Robert; PAMER, Eric G.; TAUR, Ying; SHONO, Yusuke
 (74) Spruson & Ferguson
-
- (71) Mestek Machinery, Inc.
 (11) AU-A-2021258066
 (21) 2021258066 (22) 29.10.2021
 (54) Protection System for Laser Cutting Machine
 (51) Int. Cl.
B23K 26/70 (2014.01)
 (43) 25.11.2021
 (62) 2019201925
 (72) Timmerman, Bryan; Umberger, Cody
 (74) AJ Pietras IP Limited
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- (71) METAL BUILDING SERVICES PTY. LTD.
 (11) AU-A-2021202751
 (21) 2021202751 (22) 03.05.2021
 (54) Pipe Corner Cover
 (51) Int. Cl.
E04D 13/08 (2006.01)
B21D 22/02 (2006.01)
F16B 7/04 (2006.01)
F16L 55/168 (2006.01)
F16L 55/179 (2006.01)
B21J 5/02 (2006.01)
B29C 45/40 (2006.01)
 (31) 2020901461 (32) 07.05.20 (33) AU
 (43) 25.11.2021
 (72) McCormack, Mark; Leung, Victor
 (74) Duncan Bucknell Company Pty Ltd
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- (71) MICRO-STAR INT'L CO., LTD.; MSI COMPUTER (SHENZHEN) CO., LTD.
 (11) AU-A-2020230251
 (21) 2020230251 (22) 08.09.2020
 (54) METHOD FOR RELOCATING A MOBILE VEHICLE IN A SLAM MAP AND MOBILE VEHICLE

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(51) Int. Cl.
G01C 21/26 (2006.01)
B60W 30/10 (2006.01)
G01C 21/20 (2006.01)
G05D 1/02 (2020.01)
(31) 109115019 (32) 06.05.20 (33) TW
(43) 25.11.2021
(72) Chan, Hoa-Yu; Hung, Shih-Che
(74) Michael Buck IP

(71) MILWAUKEE ELECTRIC TOOL CORPORATION
(11) AU-A-2021258075
(21) 2021258075 (22) 29.10.2021
(54) Battery charger
(51) Int. Cl.
H05K 7/20 (2006.01)
H02J 7/00 (2006.01)
(43) 25.11.2021
(62) 2018290757
(72) TRUETTNER, Donald J.; BROZEK, Jeffrey M.; SOMMERFELD, Steven T.; SCHULZ, Cameron R.
(74) Griffith Hack

(71) MLC Designs Ltd.
(11) AU-A-2020202978
(21) 2020202978 (22) 05.05.2020
(54) Improved Bag and Hand Protector Combination for Sanitary Waste or Specimen Collection
(51) Int. Cl.
E01H 1/12 (2006.01)
A41D 19/00 (2006.01)
B65D 33/08 (2006.01)
B65F 1/14 (2006.01)
(43) 25.11.2021
(72) Currie, Michael Lee
(74) Michael Buck IP

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see MICRO-STAR INT'L CO., LTD.
(21) 2020230251

(71) Multigate Medical Products Pty Ltd
(11) AU-A-2021257992
(21) 2021257992 (22) 27.10.2021
(54) Surgical Bowl Set
(51) Int. Cl.
A61B 50/30 (2016.01)
B65D 21/02 (2006.01)
(43) 25.11.2021
(62) 2016303903
(72) Chen, Ben
(74) Chrysiliou IP

(71) Nano-Green Biorefineries Inc.
(11) AU-A-2021257994
(21) 2021257994 (22) 27.10.2021
(54) PRODUCTION OF CRYSTALLINE CELLULOSE
(51) Int. Cl.
C30B 7/14 (2006.01)
C30B 29/58 (2006.01)

(43) 25.11.2021
(62) 2017210775
(72) McAlpine, Sean; Nakoneshny, Jory
(74) Madderns Pty Ltd

(71) NCS PTE. LTD.
(11) AU-A-2021202723
(21) 2021202723 (22) 30.04.2021
(54) SYSTEM AND METHOD FOR IDENTIFYING PERSONS-OF-INTEREST
(51) Int. Cl.
G06K 9/00 (2006.01)
G06N 20/00 (2019.01)
G06T 7/00 (2017.01)
(31) 10202004188X (32) 06.05.20 (33) SG
(43) 25.11.2021
(72) Shixing, Yan; Chandran, Arun Kumar
(74) MINTER ELLISON

(71) Nektar Therapeutics
(11) AU-A-2021258008
(21) 2021258008 (22) 28.10.2021
(54) Conjugates of an IL-15 moiety and a polymer
(51) Int. Cl.
C07K 14/54 (2006.01)
A61K 38/20 (2006.01)
(43) 25.11.2021
(62) 2019283778
(72) LIU, Xiaofeng; KIRK, Peter Benedict; CHANG, Thomas; CHARYCH, Deborah H.
(74) Griffith Hack

(71) Netflix, Inc.
(11) AU-A-2021257947
(21) 2021257947 (22) 26.10.2021
(54) Techniques for robustly predicting perceptual video quality
(51) Int. Cl.
H04N 19/00 (2014.01)
(43) 25.11.2021
(62) 2020203139
(72) Aaron, Anne; Li, Zhi; Goodall, Todd
(74) FPA Patent Attorneys Pty Ltd

(71) Nextgenic Pty Ltd
(11) AU-A-2021202829
(21) 2021202829 (22) 04.05.2021
(54) SYSTEM AND METHOD FOR PROVIDING GEOGRAPHICAL AREA BASED ONLINE GAMING MACHINE SERVICES INCORPORATING PROACTIVE HARM MINIMISATION FEATURES TO PREVENT AND REDUCE HARM ASSOCIATED WITH THE PLAYING OF ONLINE GAMING MACHINE SERVICES
(51) Int. Cl.
G06Q 50/34 (2012.01)
G06Q 10/06 (2012.01)
G07F 17/32 (2006.01)
H04W 4/02 (2018.01)
H04W 4/029 (2018.01)
H04W 12/06 (2021.01)
G01S 19/42 (2010.01)
H04L 29/08 (2006.01)

(71) Nextgenic Pty Ltd
(11) AU-A-2021202829
(21) 2021202829 (22) 04.05.2021
(54) SYSTEM AND METHOD FOR PROVIDING GEOGRAPHICAL AREA BASED ONLINE GAMING MACHINE SERVICES INCORPORATING PROACTIVE HARM MINIMISATION FEATURES TO PREVENT AND REDUCE HARM ASSOCIATED WITH THE PLAYING OF ONLINE GAMING MACHINE SERVICES
(51) Int. Cl.
G06Q 50/34 (2012.01)
G06Q 10/06 (2012.01)
G07F 17/32 (2006.01)
H04W 4/02 (2018.01)
H04W 4/029 (2018.01)
H04W 12/06 (2021.01)
G01S 19/42 (2010.01)
H04L 29/08 (2006.01)

H04W 4/021 (2018.01)
(31) 2020901421 (32) 05.05.20 (33) AU
(43) 25.11.2021
(72) Bozicevic, Carl; Badanjek, Richard; Bozicevic, Darryl; Anderson, Michael
(74) Gestalt Law Pty Ltd

(71) Nextracker Inc.
(11) AU-A-2021257945
(21) 2021257945 (22) 26.10.2021
(54) DC/DC converter for distributed storage and solar systems
(51) Int. Cl.
H02J 3/00 (2006.01)
H02J 3/28 (2006.01)
(43) 25.11.2021
(62) 2019260587
(72) Liu, Yang
(74) Clark Intellectual Property Pty Ltd

(71) Nokia Solutions and Networks Oy
(11) AU-A-2021258018
(21) 2021258018 (22) 28.10.2021
(54) Control channel element indexing scheme
(51) Int. Cl.
H04L 5/00 (2006.01)
H04W 72/12 (2009.01)
(43) 25.11.2021
(62) 2019222938
(72) LUNTTILA, Timo Erkki; TIROLA, Esa Tapani; HOOLI, Kari Juhani
(74) Spruson & Ferguson

(71) OJO Labs, Inc.
(11) AU-A-2021258049
(21) 2021258049 (22) 28.10.2021
(54) COOPERATIVELY OPERATING A NETWORK OF SUPERVISED LEARNING PROCESSORS TO CONCURRENTLY DISTRIBUTE SUPERVISED LEARNING PROCESSOR TRAINING AND PROVIDE PREDICTIVE RESPONSES TO INPUT DATA
(51) Int. Cl.

G06N 3/04 (2006.01)
G06N 3/08 (2006.01)
G06N 5/02 (2006.01)
(43) 25.11.2021
(62) 2018374738
(72) LEVY, Joshua Howard; LEGAULT, Jacy Myles; RUBIN, David Robert; BERKOWITZ, John Kenneth; PRATT, David Ross
(74) James & Wells Intellectual Property

(71) Orora Packaging Australia Pty Ltd
(11) AU-A-2021202920
(21) 2021202920 (22) 07.05.2021
(54) A BOTTLE, AND AN INSERT AND A MOULD FOR MAKING THE BOTTLE
(51) Int. Cl.
B29C 49/52 (2006.01)
B29C 49/48 (2006.01)
B29C 33/30 (2006.01)
B29C 33/42 (2006.01)
B29L 31/00 (2006.01)

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(43) 25.11.2021
(72) BIRBECK, Craig
(74) Griffith Hack

(71) Ovid Therapeutics Inc.
(11) AU-A-2021257943
(21) 2021257943 (22) 26.10.2021
(54) Methods of treating developmental disorders and/or seizure disorders with flupirtine and/or gaboxadol
(51) Int. Cl.
A61K 31/435 (2006.01)
A61K 31/445 (2006.01)
(43) 25.11.2021
(62) 2017363598
(72) During, Matthew
(74) Shelston IP Pty Ltd.

(71) OV Loop, Inc.
(11) AU-A-2021258071
(21) 2021258071 (22) 29.10.2021
(54) System and method for asynchronous multi-mode messaging
(51) Int. Cl.
H04M 1/00 (2006.01)
G10L 15/00 (2013.01)
(43) 25.11.2021
(62) 2018280030
(72) GRAYLIN, William Wang; SIMA, Bogdan; SUN, Pichrachana; MOLLOY, Andrew
(74) Spruson & Ferguson

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(21) 2021202905 (22) 07.05.2021
(54) Improvements to Secure Storage Apparatus
(51) Int. Cl.
A45C 13/22 (2006.01)
A45C 13/26 (2006.01)
A45F 5/10 (2006.01)
B25H 3/02 (2006.01)
(31) 2006920.9 (32) 11.05.20 (33) GB
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(72) Trollope, Tim
(74) James & Wells Intellectual Property

(71) Precision Planting LLC
(11) AU-A-2021258097
(21) 2021258097 (22) 29.10.2021
(54) Systems, methods, and apparatus for agricultural implement trench depth control and soil monitoring
(51) Int. Cl.
A01C 5/00 (2006.01)
(43) 25.11.2021
(62) 2020233669
(72) SAUDER, Derek; STOLLER, Jason; PLATTNER, Troy
(74) Spruson & Ferguson

(71) Pride Mobility Products Corporation
(11) AU-A-2021258055
(21) 2021258055 (22) 29.10.2021

(54) ELEVATED HEIGHT WHEELCHAIR
(51) Int. Cl.
A61G 5/04 (2013.01)
A61G 5/06 (2006.01)
A61G 5/10 (2006.01)
A61G 5/12 (2006.01)

(43) 25.11.2021
(62) 2020281133
(72) MULHERN, James P.; ANTONISHAK, Stephen J.
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

(71) Progress Rail Services Corporation
(11) AU-A-2021202464
(21) 2021202464 (22) 22.04.2021
(54) SPRING ANCHOR ASSEMBLY FOR TRACK RAIL AND SPRING ANCHOR INSULATOR FOR SAME

(51) Int. Cl.
E01B 13/02 (2006.01)
(31) 16/870,564 (32) 08.05.20 (33) US
(43) 25.11.2021
(72) CONSTANTINE, Edward
(74) FPA Patent Attorneys Pty Ltd

(71) Prok Conveyor Components Pty Ltd
(11) AU-A-2021202752
(21) 2021202752 (22) 03.05.2021
(54) IMPROVEMENTS IN OR RELATING TO CONVEYOR BELT SYSTEMS
(51) Int. Cl.
B65G 39/12 (2006.01)
B65G 15/30 (2006.01)
B65G 45/10 (2006.01)
B65G 15/60 (2006.01)
B65G 47/44 (2006.01)

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2020904091 09.11.20 AU
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(72) Morris, Bart Daniel; Hapgood-Strickland, Ronald; Muhammad, Ahmad
(74) Halfords IP

(71) Qualcomm Incorporated
(11) AU-A-2021258085
(21) 2021258085 (22) 29.10.2021
(54) EFFICIENT POWER UTILIZATION FOR ENHANCED COMPONENT CARRIERS

(51) Int. Cl.
H04L 5/00 (2006.01)
(43) 25.11.2021
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(72) Zhang, Xiaoxia; Zhang, Wei; Damjanovic, Aleksandar; Montojo, Juan
(74) Madderns Pty Ltd

(71) RedFlow R&D Pty Ltd
(11) AU-A-2021258037
(21) 2021258037 (22) 28.10.2021
(54) Flowing electrolyte battery separator
(51) Int. Cl.
H01M 2/14 (2006.01)
H01M 2/18 (2006.01)
H01M 8/18 (2006.01)

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(62) 2020200117
(72) WINTER, Alexander Rudolf
(74) Spruson & Ferguson

(71) Remacro Machinery & Technology (Wujiang) Co., Ltd.
(11) AU-A-2020323952
(21) 2020323952 (22) 20.10.2020
(54) Sofa armrest
(51) Int. Cl.
A47C 20/02 (2006.01)
(31) 202020726885.4 (32) 06.05.20 (33) CN
(43) 25.11.2021
(72) LI, Xiaohong; CHEN, Weiming
(74) Madderns Pty Ltd

(71) Repligen Corporation
(11) AU-A-2021257998
(21) 2021257998 (22) 28.10.2021
(54) Dual pumping arrangement for a hollow fiber filter
(51) Int. Cl.
B01D 29/60 (2006.01)
B01D 29/88 (2006.01)
B01D 35/26 (2006.01)
B01D 61/18 (2006.01)
B01D 61/22 (2006.01)
B01D 61/38 (2006.01)
B01D 63/02 (2006.01)
(43) 25.11.2021
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(72) PAVLIK, Rudolf
(74) Spruson & Ferguson

(71) ROIVOS LIMITED
(11) AU-A-2021258086
(21) 2021258086 (22) 29.10.2021
(54) URETERAL AND BLADDER CATHETERS AND METHODS FOR INDUCING NEGATIVE PRESSURE TO INCREASE RENAL PERFUSION
(51) Int. Cl.
A61M 25/00 (2006.01)
A61M 25/04 (2006.01)
A61M 27/00 (2006.01)
(43) 25.11.2021
(62) 2020204021
(72) ERBEY II, John R.; UPPERCO, Jacob L.; FISHER, Michael Allen; STRANE, Patrick William; BLACK, Lance Michael
(74) Houlihan² Pty Ltd

(71) Sensor Development Corporation
(11) AU-A-2021258048
(21) 2021258048 (22) 28.10.2021
(54) DEVICE FOR DETECTING INSECT LARVAE AND ADULT INSECTS IN STORED PRODUCTS BY SENSING THEIR VOLATILE PHEROMONES AND SEMIOCHEMICALS
(51) Int. Cl.
G01N 33/00 (2006.01)
A01M 99/00 (2006.01)

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 (62) 2019215141
 (72) SMILANICH, Nicholas Joseph; REICHERT, Samuel Firestone; TUDRON, Frank Bernard
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Sganga, B.
 (11) AU-A-2020203058
 (21) 2020203058 (22) 08.05.2020
 (54) The Sleeping Sack Sheet is a garment made for babies age 0-12. It is a sack/swaddle that has a linen sheet sewn into each side of the sack which fits and wraps around a standard size cot. It is secure by Velcro which can also be adjusted to different thickness of a cot mattress. It also can fit a standard size bassinet. It has a two-way open-ended zip for easy access, to remove the baby or to change their nappy without removing them from the sack. There are 3 snap clips along the armhole to give you the option of having your baby's arms in or out. It is made from cotton, poly and spandex.

(51) Int. Cl.
A41B 13/06 (2006.01)
A47D 15/00 (2006.01)
 (43) 25.11.2021
 (72) Sganga, Belinda
 (74) Belinda Sganga

(71) Silencer Devices, LLC
 (11) AU-A-2021257956
 (21) 2021257956 (22) 26.10.2021
 (54) NOISE CANCELLATION USING SEGMENTED, FREQUENCY-DEPENDENT PHASE CANCELLATION

(51) Int. Cl.
G10K 11/16 (2006.01)
G10K 11/17B (2006.01)
G10L 21/02 (2013.01)
G10L 21/0208 (2013.01)
G10L 21/0232 (2013.01)

(43) 25.11.2021
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 (72) SEAGRIF, Eugene; JUNQUA, Jean-Claude
 (74) Lord & Company

(71) Silixa Ltd.
 (11) AU-A-2021258052
 (21) 2021258052 (22) 29.10.2021
 (54) Method and apparatus for optical sensing

(51) Int. Cl.
G01D 5/353 (2006.01)
G01H 9/00 (2006.01)

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 (62) 2016230883
 (72) Farhadiroushan, Mahmoud; Parker, Tom; Shatalin, Sergey
 (74) Davies Collison Cave Pty Ltd

(71) Simpson, P.
 (11) AU-A-2021202511
 (21) 2021202511 (22) 23.04.2021
 (54) BIOAVAILABLE MINERALS FOR THE MITIGATION OF CORONA VIRUSES (COVID 19), MANUFACTURING METHOD AND A TREATMENT METHOD
 (51) Int. Cl.
A61K 9/00 (2006.01)
A61K 31/164 (2006.01)
A61K 31/355 (2006.01)
A61K 31/375 (2006.01)
A61K 31/4415 (2006.01)
A61K 33/04 (2006.01)
A61K 33/26 (2006.01)
A61K 33/30 (2006.01)
A61K 33/32 (2006.01)
A61K 33/34 (2006.01)
A61K 33/38 (2006.01)
A61P 31/14 (2006.01)
 (31) 2020901434 (32) 06.05.20 (33) AU
 (43) 25.11.2021
 (72) Simpson, Paul
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) Skylark Wireless, LLC
 (11) AU-A-2021258080
 (21) 2021258080 (22) 29.10.2021
 (54) Control channel design for many-antenna MU-MIMO systems
 (51) Int. Cl.
H04B 7/06 (2006.01)
H04B 7/04 (2017.01)
 (43) 25.11.2021
 (62) 2019283777
 (72) SHEPARD, Clayton Wells; ZHONG, Lin; JAVED, Abeer; YU, Hang
 (74) Spruson & Ferguson

(71) source Pty Ltd
 (11) AU-A-2021258010
 (21) 2021258010 (22) 28.10.2021
 (54) Notifications on mobile devices
 (51) Int. Cl.
H04W 4/02 (2018.01)
H04N 21/258 (2011.01)
H04W 4/20 (2018.01)

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 (62) 2020202339
 (72) PETANDER, Lars Henrik; OTT, Maximilian
 (74) FB Rice Pty Ltd

(71) Sumanasekera, Y.
 (11) AU-A-2020203076
 (21) 2020203076 (22) 10.05.2020
 (54) Handle multiple Mobile Station International Subscriber Directory Numbers (MSISDN) on one International Mobile Subscriber Identity (IMSI) using Dynamic Number Registry System
 (51) Int. Cl.
H04W 24/00 (2009.01)
H04L 29/08 (2006.01)
H04L 29/12 (2006.01)
H04M 3/42 (2006.01)
H04W 4/14 (2009.01)

H04W 8/02 (2009.01)
H04W 8/18 (2009.01)
H04W 8/26 (2009.01)
 (43) 25.11.2021
 (72) Sumanasekera, Yashas Sandeepa
 (74) Yashas Sandeepa Sumanasekera

(71) Superoperator Oy
 (11) AU-A-2021257971
 (21) 2021257971 (22) 27.10.2021
 (54) SYSTEM FOR CONTROLLING A SERVICE STATION RELATED TO A VEHICLE
 (51) Int. Cl.
G06Q 50/10 (2012.01)
B60S 3/04 (2006.01)
G06K 9/20 (2006.01)
G06Q 20/18 (2012.01)
G06Q 30/06 (2012.01)
H04W 4/00 (2018.01)

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 (62) 2015379571
 (72) Aminoff, Erkki; Kuutti, Anssi; Pitkanen, Mikko; Saarinen, Elisa; Alander, Ari
 (74) James & Wells Intellectual Property

(71) Tata Consultancy Services Limited
 (11) AU-A-2021254666
 (21) 2021254666 (22) 23.10.2021
 (54) METHOD AND SYSTEM FOR ONLINE MONITORING AND OPTIMIZATION OF MINING AND MINERAL PROCESSING OPERATIONS
 (51) Int. Cl.
G06Q 50/02 (2012.01)
 (43) 25.11.2021
 (62) 2019253881
 (72) RUNKANA, Venkataramana; NADIMPALLI, Nagaravi Kumar Varma; PAREEK, Aditya; MASAMPALLY, Vishnu Swaroopji
 (74) Origin Patent and Trade Mark Attorneys

(71) Telefonaktiebolaget LM Ericsson (publ)
 (11) AU-A-2021257965
 (21) 2021257965 (22) 27.10.2021
 (54) Method for allocating resource grant
 (51) Int. Cl.
H04W 72/14 (2009.01)
H04W 74/08 (2009.01)
 (43) 25.11.2021
 (62) 2018366476
 (72) TIRRONEN, Tuomas; HÖGLUND, Andreas; YAVUZ, Emre; PHAM VAN, Dung
 (74) AJ PARK

(71) The Boeing Company
 (11) AU-A-2021200942
 (21) 2021200942 (22) 12.02.2021
 (54) Aircraft landing gear monitoring and alerting system and method
 (51) Int. Cl.
B64C 25/28 (2006.01)
B64C 25/34 (2006.01)
B64C 25/44 (2006.01)
 (31) 16/867,985 (32) 06.05.20 (33) US

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 Durairaj, Surya Sundar Raj
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 (11) AU-A-2021258100
 (21) 2021258100 (22) 27.10.2021
 (54) MODELING TRENDS IN CROP
 YIELDS
 (51) Int. Cl.
 G06F 17/10 (2006.01)
 G06Q 10/04 (2012.01)
 G06Q 10/06 (2012.01)
 G06Q 50/02 (2012.01)

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 (62) 2017215188
 (72) Andrejko, Erik; Aldor-Noiman, Sivan
 (74) Ellis Terry

(71) The Global Alliance for TB Drug Development, Inc.
 (11) AU-A-2021258039
 (21) 2021258039 (22) 28.10.2021
 (54) Combination antibacterial composition
 and short-course antibacterial regimen
 (51) Int. Cl.
 A61K 31/47 (2006.01)
 A61K 31/535 (2006.01)
 C07D 215/227 (2006.01)
 C07D 263/20 (2006.01)
 C07D 413/02 (2006.01)
 C07D 498/04 (2006.01)

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 (72) MDLULI Jr., Khisimuzi; MENDEL, Cari
 M; NUERMBERGER, Eric
 (74) Griffith Hack

(71) The NOCO Company
 (11) AU-A-2021258059
 (21) 2021258059 (22) 29.10.2021
 (54) Portable vehicle battery jump start apparatus
 with safety protection
 (51) Int. Cl.
 H02J 7/00 (2006.01)

(43) 25.11.2021
 (62) 2020201224
 (72) Nook, Jonathan Lewis; Nook, William
 Knight; Stanfield, James Richard; Underhill,
 Derek Michael
 (74) Griffith Hack

(71) The Provost, Fellows, Foundation
 Scholars, and the other members of
 Board, of the College of the Holy and
 Undivided Trinity of Queen Elizabeth
 near Dublin; The University of Queensland
 (11) AU-A-2021258033
 (21) 2021258033 (22) 28.10.2021
 (54) Sulfonylureas and related compounds
 and use of same
 (51) Int. Cl.
 C07D 231/18 (2006.01)
 A61K 31/64 (2006.01)
 A61P 1/00 (2006.01)

A61P 9/00 (2006.01)
 A61P 11/00 (2006.01)
 A61P 13/12 (2006.01)
 A61P 15/00 (2006.01)
 A61P 17/00 (2006.01)
 A61P 25/00 (2006.01)
 A61P 31/00 (2006.01)
 A61P 35/00 (2006.01)
 A61P 37/00 (2006.01)
 C07C 311/54 (2006.01)
 C07C 311/56 (2006.01)
 C07D 207/38 (2006.01)
 C07D 213/71 (2006.01)
 C07D 217/22 (2006.01)
 C07D 217/24 (2006.01)
 C07D 235/02 (2006.01)
 C07D 241/24 (2006.01)
 C07D 241/44 (2006.01)
 C07D 249/04 (2006.01)
 C07D 249/06 (2006.01)
 C07D 249/12 (2006.01)
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 C07D 271/12 (2006.01)
 C07D 277/36 (2006.01)
 C07D 307/18 (2006.01)
 C07D 307/64 (2006.01)
 C07D 307/82 (2006.01)
 C07D 309/08 (2006.01)
 C07D 311/18 (2006.01)
 C07D 311/60 (2006.01)
 C07D 317/62 (2006.01)
 C07D 333/34 (2006.01)
 C07D 333/62 (2006.01)
 C07D 401/06 (2006.01)
 C07D 403/12 (2006.01)
 C07D 405/12 (2006.01)
 C07D 407/12 (2006.01)
 C07D 413/12 (2006.01)
 C07D 417/12 (2006.01)
 C07D 495/06 (2006.01)
 C07D 498/04 (2006.01)

(43) 25.11.2021
 (62) 2020203464
 (72) O'NEILL, Luke; COLL, Rebecca;
 COOPER, Matthew; ROBERTSON, Avril;
 SCHRODER, Kate
 (74) Spruson & Ferguson

(71) The Regents of The University of California
 (11) AU-A-2021257948
 (21) 2021257948 (22) 26.10.2021
 (54) CFTR regulators and methods of use
 thereof
 (51) Int. Cl.
 C07D 285/135 (2006.01)
 C07K 5/062 (2006.01)
 C07K 5/078 (2006.01)

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 (62) 2016377782
 (72) Verkman, Alan; Levin, Marc H.; Cil, Onur
 (74) Pizzey's Patent and Trade Mark Attorneys
 Pty Ltd

(71) The Trustees of the University of Pennsylvania;
 The Wistar Institute of Anatomy and Biology
 (11) AU-A-2021258056
 (21) 2021258056 (22) 29.10.2021

(54) Novel vaccines against Zika virus
 (51) Int. Cl.
 C07K 14/18 (2006.01)
 A61K 39/12 (2006.01)
 A61P 31/14 (2006.01)
 C12N 15/40 (2006.01)
 C12N 15/62 (2006.01)

(43) 25.11.2021
 (62) 2017222644
 (72) Muthumani, Karupiah; Weiner, David
 (74) FB Rice Pty Ltd

(71) The University Court of The University
 of Aberdeen
 (11) AU-A-2021258000
 (21) 2021258000 (22) 28.10.2021
 (54) Antibody Molecules and Uses Thereof
 (51) Int. Cl.
 C07K 16/14 (2006.01)
 G01N 33/53 (2006.01)
 (43) 25.11.2021
 (62) 2016230935
 (72) Gow, Neil Andrew Robert; Rudkin,
 Fiona Marion; Erwig, Lars-Peter;
 Jensen, Allan
 (74) AJ PARK

(71) The University of Montana
 (11) AU-A-2021258088
 (21) 2021258088 (22) 29.10.2021
 (54) Detection of brain injury
 (51) Int. Cl.
 A61M 1/00 (2006.01)
 (43) 25.11.2021
 (62) 2015387481
 (72) Patel, Sarjubhai A.; Rau, Thomas F.
 (74) FB Rice Pty Ltd

The University of Queensland see The
 Provost, Fellows, Foundation Scholars,
 and the other members of Board, of the
 College of the Holy and Undivided Trinity
 of Queen Elizabeth near Dublin
 (21) 2021258033

The Wistar Institute of Anatomy and Biology
 see The Trustees of the University of
 Pennsylvania
 (21) 2021258056

(71) Tritana Intellectual Property Ltd.
 (11) AU-A-2021257986
 (21) 2021257986 (22) 27.10.2021
 (54) COMBINE HARVESTER WITH WEED
 SEED DESTRUCTION SYSTEM
 (51) Int. Cl.
 A01D 41/12 (2006.01)
 A01D 75/00 (2006.01)
 A01F 12/42 (2006.01)
 A01F 12/44 (2006.01)

(43) 25.11.2021
 (62) 2021200395
 (72) Mayerle, Dean
 (74) IP GATEWAY PATENT & TRADE
 MARK ATTORNEYS PTY LTD

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(71) Tritana Intellectual Property Ltd.
 (11) AU-A-2021257987
 (21) 2021257987 (22) 27.10.2021
 (54) COMBINE HARVESTER WITH WEED SEED DESTRUCTION SYSTEM
 (51) Int. Cl.
A01D 41/12 (2006.01)
A01D 75/00 (2006.01)
A01F 12/42 (2006.01)
A01F 12/44 (2006.01)
 (43) 25.11.2021
 (62) 2021200395
 (72) Mayerle, Dean
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Tuffstuff International Pty Ltd
 (11) AU-A-2020203013
 (21) 2020203013 (22) 06.05.2020
 (54) Roller Support Apparatus & Method
 (51) Int. Cl.
B65G 39/12 (2006.01)
B65G 39/02 (2006.01)
B65G 41/00 (2006.01)
 (43) 25.11.2021
 (72) Holford, Graham Dean
 (74) Caska Intellectual Property Pty Ltd

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 (21) 2021258060

(71) Tufts University; Tufts Medical Center
 (11) AU-A-2021258060
 (21) 2021258060 (22) 29.10.2021
 (54) Novel polypeptides with improved proteolytic stability, and methods of preparing and using same
 (51) Int. Cl.
C07K 14/435 (2006.01)
A61K 38/00 (2006.01)
A61K 38/16 (2006.01)
A61K 38/26 (2006.01)
A61P 3/10 (2006.01)
C07K 14/605 (2006.01)
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 (72) KUMAR, Krishna; MONTANARI, Vittorio; BEINBORN, Martin; RAMAN, Venkata
 (74) Griffith Hack

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 (21) 2021202831

(71) VELANO VASCULAR, INC.
 (11) AU-A-2021254629
 (21) 2021254629 (22) 22.10.2021
 (54) DEVICES AND METHODS FOR FLUID TRANSFER THROUGH A PLACED PERIPHERAL INTRAVENOUS CATHETER
 (51) Int. Cl.
A61M 5/158 (2006.01)
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 (72) Devgon, Pitamber; Ehrenreich, Kevin J.; Briganti, Richard Thomas
 (74) RnB IP Pty Ltd

(71) Victaulic Company
 (11) AU-A-2021258078
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 (54) Roller set and pipe elements
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B21D 17/04 (2006.01)
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 (72) DOLE, Douglas R.
 (74) Spruson & Ferguson

(71) Vitae Pharmaceuticals, LLC.
 (11) AU-A-2021258089
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 (54) Inhibitors of the menin-MLL Interaction
 (51) Int. Cl.
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A61K 31/407 (2006.01)
A61P 3/10 (2006.01)
A61P 35/00 (2006.01)
C07D 403/04 (2006.01)
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(71) Walker Digital Table Systems, LLC
 (11) AU-A-2021257942
 (21) 2021257942 (22) 26.10.2021
 (54) Identifying a specially designated object to facilitate dynamic promotions related to use of the object
 (51) Int. Cl.
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A63F 3/00 (2006.01)
A63F 9/24 (2006.01)
G06K 7/10 (2006.01)
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 (72) Hettinger, Mark; Moore, Stephen; Michael, Russell
 (74) Michael Buck IP

(71) Weber-Stephen Products LLC
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 (21) 2021257960 (22) 27.10.2021
 (54) Removable electric grill controller with mount

(51) Int. Cl.
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 (72) SCHMESKI, Kevin James
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(71) Welch Allyn, Inc.
 (11) AU-A-2021202900
 (21) 2021202900 (22) 07.05.2021
 (54) Systems and methods for configuring an optical light path
 (51) Int. Cl.
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A61B 1/07 (2006.01)
A61B 1/227 (2006.01)
A61B 3/13 (2006.01)
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 (31) 63/022,992 (32) 11.05.20 (33) US
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 (72) Guo, Lei; Hess, Joshua; Lia, Raymond A.; McMahon, Michael T.; Knieriem, Alan; Slawson, Steven R.
 (74) Shelston IP Pty Ltd.

(71) Wellhead Power Solutions, LLC
 (11) AU-A-2021257952
 (21) 2021257952 (22) 26.10.2021
 (54) Hybrid energy system and method
 (51) Int. Cl.
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 (62) 2021203829
 (72) MCDANIEL, John Grant; DITTMER, Harold Edwin
 (74) FPA Patent Attorneys Pty Ltd

(71) Williamson, R.
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 (21) 2020202967 (22) 05.05.2020
 (54) Woolly Welly
 (51) Int. Cl.
A43B 23/07 (2006.01)
A43B 1/02 (2006.01)
A43B 5/04 (2006.01)
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A43B 7/12 (2006.01)
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 (43) 25.11.2021
 (72) Williamson, Raylene
 (74) Raylene Williamson

(71) Wing Acoustics Limited
 (11) AU-A-2021257996
 (21) 2021257996 (22) 28.10.2021
 (54) IMPROVEMENTS IN OR RELATING TO AUDIO TRANSDUCERS
 (51) Int. Cl.
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 (72) Palmer, Michael; Palmer, David
 (74) Discover IP

(71) World Venture Corporation
 (11) AU-A-2021202104
 (21) 2021202104 (22) 06.04.2021
 (54) Vibration generator and apparatus for engraving an image
 (51) Int. Cl.
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 (31) 2020-098923 (32) 08.05.20 (33) JP
 (43) 25.11.2021
 (72) HOSHIYAMA, Yuichi
 (74) FB Rice Pty Ltd

(71) XENOHELIX CO., LTD
 (11) AU-A-2021202823
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 (54) A METHOD OF DETECTING SMALL RNA
 (51) Int. Cl.
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 (31) 10-2020-0055429 (32) 08.05.20 (33) KR
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 (72) CHO, Seok Keun
 (74) Lord & Company

(71) Zoetis Services LLC
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 (54) Foot-and-mouth disease vaccine
 (51) Int. Cl.
A61K 39/135 (2006.01)
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 (43) 25.11.2021
 (62) 2016206525
 (72) Dominowski, Paul Joseph; Hardham, John Morgan; Jackson, James Alan; Gay, Cyril Gerard; Rodriguez, Luis Leandro; Krug, Peter William; Rieder, Aida Elizabeth
 (74) Davies Collison Cave Pty Ltd

(71) ZTE Corporation
 (11) AU-A-2021258004
 (21) 2021258004 (22) 28.10.2021
 (54) POWER SHARING METHOD AND APPARATUS
 (51) Int. Cl.
H04W 72/04 (2009.01)
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 (43) 25.11.2021
 (62) 2018286309
 (72) Xu, Hanqing; Zhao, Yajun; Li, Xincui; Yang, Ling; Liu, Juan
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) Yau Lee Wah Construction Materials (Huizhou) Company Limited
 (11) AU-A-2020217448
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 (54) INTEGRATED STEEL CONCRETE BUILDING AND CONSTRUCTION METHOD THEREOF
 (51) Int. Cl.
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E04B 1/94 (2006.01)
 (31) CN 202010372191.X (32) 06.05.20 (33) CN
 (43) 25.11.2021
 (72) Wong, Conrad Tin Cheung; Wong, Rosana Wai Man
 (74) Phillips Ormonde Fitzpatrick

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 (11) AU-A-2021258063
 (21) 2021258063 (22) 29.10.2021
 (54) Methods and compositions of neuregulins for preventing, treating or delaying preserved ejection fraction cardiac failure
 (51) Int. Cl.
A61K 38/18 (2006.01)
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 (72) ZHOU, Mingdong
 (74) FB Rice Pty Ltd

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 Rahul; Mukunthan, M. A.; Sivaraman,
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 Power Research Institute**
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A61K 31/045 (2006.01)
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(51) Int. Cl.

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(74) Griffith Hack

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H01Q 1/22 (2006.01)
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F42B 3/10 (2006.01)
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 (74) Madderns Pty Ltd

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 Rathod, M.; More, S.; Gutte, V.

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 ALERTING POWER FAILURE AND
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H03M 3/00 (2006.01)
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E04H 12/18 (2006.01)
F21L 13/06 (2006.01)
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(51) Int. Cl.
B28C 7/04 (2006.01)
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B28C 7/16 (2006.01)
B28C 9/04 (2006.01)
E21D 11/10 (2006.01)
E21F 5/20 (2006.01)
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A47B 9/10 (2006.01)
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B64C 39/02 (2006.01)

H02G 1/02 (2006.01)

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H02G 7/20 (2006.01)

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(72) Sun, Jianhao; Li, Weiqi; Zhao, Jianhua; Chen, Liangzhi; Liang, Junjie; Li, Guoquan; Zhao, Lei
(74) Ran Tao
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(21) 2021105704
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- J, P. see C R, K.**
(21) 2021106573
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- J, J.V.N. see S, S.**
(21) 2021106699
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- (71) Jadhav, D.
(11) AU-A-2021105859
(21) 2021105859 (22) 18.08.2021
(54) A METHOD FOR A VIDEO SUMMARIZATION BASED ON A MOTION VECTORS AND A PREDICTION ERROR FRAME ENERGY
(51) Int. Cl.
G06K 9/00 (2006.01)
H04N 19/139 (2014.01)
H04N 19/91 (2014.01)
- (45) 25.11.2021
(72) Jadhav, Dipti
(74) Dr Dipti Jadhav
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- Jaidhan, B.J. see Swain, D.**
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- Jain, P. see Nejakar, S.**
(21) 2021106059
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(21) 2021106500
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- Jalaluddin, M. see Shankar, S.**
(21) 2021105725
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- Jamaludheen, J.M.C. see Revi, D.**
(21) 2021105729
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- Jani, S. see Shaik, B.**
(21) 2021106662
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- Jatav, P.K. see Singhai, R.**
(21) 2021106510
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(21) 2021106561
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(21) 2021105386
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- (71) Jawade, P.B.; Yelure, B.S.; Patil, D.M.; Shinde, H.V.; Chaugule, D.D.
(11) AU-A-2021105860
(21) 2021105860 (22) 18.08.2021
(54) A DEVICE AND METHOD FOR DISEASE PREDICTION OF MANGO CROP USING MACHINE LEARNING AND IOT
(51) Int. Cl.
G06Q 50/02 (2012.01)
G01W 1/02 (2006.01)
G01W 1/10 (2006.01)
G06N 20/20 (2019.01)
A01G 25/16 (2006.01)
G06F 11/30 (2006.01)
G16Y 10/05 (2020.01)
H04W 4/38 (2018.01)
H04W 84/18 (2009.01)
- (45) 25.11.2021
(72) Jawade, Prashant Balkrishna; Patil, Devashri Manohar; Shinde, Hemendra Vijay; Chaugule, Dattatray Dhanraj
(74) Prashant Balkrishna Jawade
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(21) 2021105388
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- (71) Jiangsu Champion Technology Group Co., Ltd.
(11) AU-A-2021106937
(21) 2021106937 (22) 24.08.2021
(54) PROTECTIVE COATING WITH HIGH SOLID AND LOW VOC, AND PREPARATION METHOD AND USE THEREOF
(51) Int. Cl.
C09D 167/08 (2006.01)
C08K 3/22 (2006.01)
C08K 3/26 (2006.01)
C08K 3/34 (2006.01)
C09D 7/20 (2018.01)
- (31) 202011286473.4 (32) 17.11.20 (33) CN
(45) 25.11.2021
(72) HU, Ming; AN, Xiaohan; QIAN, Jinjun; WU, Kaiwen
(74) Griffith Hack
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- (71) Jiangsu Champion Technology Group Co., Ltd.
(11) AU-A-2021106956
(21) 2021106956 (22) 24.08.2021
(54) HIGH-FLASH-POINT ACRYLIC ANTI-CORROSIVE FINISHING COAT AND PREPARATION METHOD THEREOF
(51) Int. Cl.

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C09D 5/08 (2006.01)
(31) 202011268267.0 **(32)** 13.11.20 **(33)** CN
(45) 25.11.2021
(72) WU, Kaiwen; HU, Ming; QIAN, Jinjun;
 AN, Xiaohan
(74) Griffith Hack

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(21) 2021106326

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(21) 2021105454

(71) JUDD, M.
(11) AU-A-2021106887
(21) 2021106887 **(22)** 24.08.2021
(54) DUVET COVER AND DUVET
(51) Int. Cl.
A47G 9/02 (2006.01)
(45) 25.11.2021
(72) JUDD, Monica
(74) Baxter Patent Attorneys Pty Ltd

(71) K, D.; A S, J.
(11) AU-A-2021106213
(21) 2021106213 **(22)** 20.08.2021
(54) A NOVEL METHOD FOR Circ RNA
 BIOMARKER IDENTIFICATION
 BASED ON DEEP AUTOENCODER
 AND EXTREME GRADIENT BOOST-
 ING
(51) Int. Cl.
G16H 50/20 (2018.01)
C12Q 1/6883 (2018.01)
(45) 25.11.2021
(72) K., DEEPTHI; A. S., JEREESH
(74) DEEPTHI K

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(21) 2021106699

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(21) 2021106500

KABI, S.P. see BISWAS, S.
(21) 2021105614

(71) Kadwane, S.G.; Somalwar, R.S.
(11) AU-A-2021106226
(21) 2021106226 **(22)** 20.08.2021
(54) A SYSTEM AND METHOD FOR
 DESIGNING A SOLAR POWERED
 AUTOMATIC MULTIPURPOSE AGRI-
 CULTURE MACHINE
(51) Int. Cl.
A01B 79/02 (2006.01)
A01B 49/06 (2006.01)
A01C 7/06 (2006.01)

A01C 7/20 (2006.01)
A01M 7/00 (2006.01)
A01M 21/02 (2006.01)
(45) 25.11.2021
(72) Kadwane, Sumant G.; Somalwar, Rahul
 S.
(74) Dr Sumant G. Kadwane

Kaikini, R.R. see Katiyar, S.
(21) 2021106500

**Kakandikar, G. see Dr. Vishwanath Karad
 MIT World Peace University**
(21) 2021106269

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(21) 2021106398

(71) Kalmani, V.H.; Swami, A.; Kumar, A.;
 Patro, B.; Malviya, M.; Labade, A.; Ma-
 hor, V.; Bhujade, R.; Asthana, S.
(11) AU-A-2021106427
(21) 2021106427 **(22)** 22.08.2021
(54) System and Method for achieving cy-
 ber security of Internet of Things (IoT)
 devices using embedded recognition
 token
(51) Int. Cl.
H04L 29/06 (2006.01)
H04L 9/32 (2006.01)
H04L 29/08 (2006.01)
(45) 25.11.2021
(72) Kalmani, Vijay H.; Swami, Ashish; Ku-
 mar, Anil; Patro, B. D. K.; Malviya, Man-
 orama; Labade, Ashish; Mahor, Vinod;
 Bhujade, Rakesh; Asthana, Stuti
(74) Dharmendra Kumar Singh

Kalos, P.P. see Sayyad, S.F.
(21) 2021106701

**Kamalakar, V. see Dr. Vishwanath Karad
 MIT World Peace University**
(21) 2021106275

Kamble, S.P. see Maharolkar, A.P.
(21) 2021106205

**Kamble, M. see Dr. Vishwanath Karad MIT
 World Peace University**
(21) 2021106276

(71) KANNUR, A.; KUMAR S., A.; HUS-
 SAIN, S.N.; V., M.; L., S.; D.V., S.
(11) AU-A-2021105264
(21) 2021105264 **(22)** 10.08.2021
(54) AN INTERNET OF THINGS BASED
 COVID SPREAD PREVENTION SYS-
 TEM AND ITS METHOD THEREOF
(51) Int. Cl.
G08B 21/02 (2006.01)
A61B 5/00 (2006.01)

A61B 5/0205 (2006.01)
A61B 5/024 (2006.01)
A61B 5/145 (2006.01)
A61B 5/1455 (2006.01)
G16H 40/67 (2018.01)
G16H 50/80 (2018.01)
G16Y 10/60 (2020.01)
G16Y 20/40 (2020.01)
G16Y 40/20 (2020.01)
A61M 35/00 (2006.01)
A61N 5/06 (2006.01)
(45) 25.11.2021
(72) KANNUR, ANIL; KUMAR S., AR-
 UN; HUSSAIN, SYED NAIMATUL-
 LAH; V. MUTHURAJU; L..SANDHYA;
 D.V.SINDHU
(74) Dr. ANIL KANNUR

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(21) 2021106330

Kapoor, U. see Ravindran, D.
(21) 2021105493

(71) Karimonia, T.; Mortazavi Bak, H.;
 Haj Mustafa, M.; Shahbodagh, B.;
 Khoshghalb, A.
(11) AU-A-2021106911
(21) 2021106911 **(22)** 24.08.2021
(54) Introduction of yeast extract enriched
 vinasse as a new bacterial culture me-
 dium
(51) Int. Cl.
C12N 1/20 (2006.01)
(45) 25.11.2021
(72) Karimonia, Tahereh; Mortazavi Bak,
 Hamid; Haj Mustafa, Muhannas; Shah-
 bodagh, Babak; Khoshghalb, Arman
(74) Hamid Mortazavi Bak

KARTHIKEYAN, V. see C G, R.
(21) 2021105738

Karulkar, A. see T, J.
(21) 2021105876

(71) Karwa, R.; Gupta, S.; Bamnote, G.;
 Shandilya, V.; Pund, M.; Bhura, S.;
 Chaudhari, A.; Mune, A.; Khan, Z.; In-
 gale, S.
(11) AU-A-2021106048
(21) 2021106048 **(22)** 19.08.2021
(54) A MACHINE LEARNING APPROACH
 TO VALIDATE THE AUTHENTICITY
 OF NEWS USING NATURAL LAN-
 GUAGE PROCESSING
(51) Int. Cl.
G06Q 99/00 (2006.01)
G06Q 50/00 (2012.01)
(45) 25.11.2021
(72) Karwa, Roshan; Gupta, Sunil; Bamnote,
 Gajendra; Shandilya, Vijaya; Pund,
 Mahendra; Bhura, Soheli; Chaudhari,

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Ingale, Sumedh
(74) Makarand Sudhakar Ballal

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(21) 2021106050

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MIT World Peace University**
(21) 2021106261

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(21) 2021105826

(71) Katiyar, S.; Gupta, S.; Kaikini, R.R.;
Yousef, M.A.E.; Kumar, A.; Kumar, V.;
Jain, A.; Shankar, V.; Sheeja, S.A.;
Sheikh, I.A.; Tivari, R.; Singhal, A.; Ya-
dav, D.; K.N., N.; Subramanian, M.

(11) AU-A-2021106500
(21) 2021106500 (22) 23.08.2021
(54) INTELLIGENT SYSTEM & METH-
OD FOR RADIO LINK MONITORING
& CONTROLLING IN A WIRELESS
COMMUNICATION SYSTEM USING
IOT TECHNOLOGY

(51) Int. Cl.
H04B 17/00 (2015.01)
H04L 12/26 (2006.01)
H04W 4/70 (2018.01)

(45) 25.11.2021
(72) Katiyar, Sapna; Gupta, Sugandh;
Kaikini, Ravindra R.; Yousef, Mahmoud
Abdulaziz Elsayed; Kumar, Anand; Ku-
mar, Varun; Jain, Aruna; Shankar, Vish-
nu; Sheeja, S. Angelin; Sheikh, Irfan
Ahmad; Tivari, Rakhi; Singhal, Abhinav;
Yadav, Deepika; K. N., Nagesh; Sub-
ramanian, Muthukumar

(74) John Thomas

Katiyar, D. see Gangwar, M.
(21) 2021106664

Kaur, P. see Singh Gill, H.
(21) 2021102692

Kaushik, S. see Singh, S.
(21) 2021105494

**KCG College of Technology see Hindustan
Institute of Technology and Science**
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Institute of Technology and Science**
(21) 2021106350

Khader P, R.A. see Ravindran, D.
(21) 2021105493

(71) Khairwal, N.K.; Shah, D.
(11) AU-A-2021106569
(21) 2021106569 (22) 23.08.2021
(54) INTEROPERABLE BLOCKCHAIN FOR
JUDICIAL SYSTEM

(51) Int. Cl.
H04L 9/32 (2006.01)
G06Q 50/26 (2012.01)

(45) 25.11.2021
(72) Khairwal, Neeraj Kumari; Shah, Deven
(74) Ms. NeerajKumari Khairwal

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(21) 2021105876

Khan, M.M.U. see Pathak, M.
(21) 2021105352

Khan, Z. see Karwa, R.
(21) 2021106048

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(21) 2021106050

Khan, S.A. see Sadiq, M.
(21) 2021106926

KHAN, B. see SINGH, P.
(21) 2021106387

**Khandekar, P. see Dr. Vishwanath Karad
MIT World Peace University**
(21) 2021106257

**Khandekar, P. see Dr. Vishwanath Karad
MIT World Peace University**
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(71) Khanduja, N.; Singh, I.; Singh, P.; Saini,
D.; Goyal, A.; Tyagi, A.; .., A.; Kumar, S.

(11) AU-A-2021106053
(21) 2021106053 (22) 20.08.2021
(54) SMART STREET LIGHT MANAGE-
MENT SYSTEM

(51) Int. Cl.
F21S 8/08 (2006.01)
H05B 45/10 (2020.01)
H05B 47/11 (2020.01)
H05B 47/115 (2020.01)

(45) 25.11.2021
(72) Khanduja, Namit; Singh, Indrajeet;
Singh, Praved; Saini, Dharmesh; Goyal,
Agam; Tyagi, Aman; Ashwani; Kumar,
Shiv
(74) Lexgin IP

**Khaparde, A. see Dr. Vishwanath Karad
MIT World Peace University**
(21) 2021106391

Khatana, K. see Chinnam, S.
(21) 2021105627

**Khedkar, S. see Yeshwantrao Chavan Col-
lege of Engineering**
(21) 2021105388

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(21) 2021102692

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(21) 2021102692

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(21) 2021106339

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(21) 2021106911

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(21) 2021106436

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(21) 2021106326

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(21) 2021106205

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(21) 2021105875

(71) Kolte, M.
(11) AU-A-2021106448
(21) 2021106448 (22) 23.08.2021
(54) The invention title is "Telecommunica-
tion Device with Speech Enhancement
Facility"

(51) Int. Cl.
H04R 25/00 (2006.01)
H04M 1/60 (2006.01)

(45) 25.11.2021
(72) Kolte, Mahesh
(74) Ujwal Ramesh Shirode

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(21) 2021105627

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(21) 2021105725

Krishna, K.M. see Swain, D.
(21) 2021106326

(71) Krishna Mishra, D.S.R.
(11) AU-A-2021105492
(21) 2021105492 (22) 13.08.2021
(54) A METHOD FOR A REDUCTION OF AN ACCELERATED CARBONATION OF CONCRETE WITH A FILLER REPLACEMENT
(51) Int. Cl.
C04B 28/04 (2006.01)
B28C 7/04 (2006.01)
C04B 103/60 (2006.01)
C04B 111/20 (2006.01)
C04B 111/22 (2006.01)
(45) 25.11.2021

(72) Krishna Mishra, Sri Ram; Sakhlecha, Manish; Kumar Tripathi, Rajesh; Dubey, Vikas; Kumar Ghosh, Pradeep; Pandey, Deepmala; Maur, Tejashvi; P. Deshpande, Vaibhav; Shinde, Ankit
(74) Dr. Sri Ram Krishna Mishra

kshatri, S. see C R, K.
(21) 2021106573

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(21) 2021105352

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(21) 2021105494

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(21) 2021105704

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(21) 2021105724

Kumar, P. see Raj, K.S.
(21) 2021105813

Kumar, S. see Khanduja, N.
(21) 2021106053

(71) Kumar, M.; Reddy, V.V.K.; Sekhar, K.R.
(11) AU-A-2021106075
(21) 2021106075 (22) 20.08.2021
(54) A Method for A Fraud Detection in A Bank Transaction with A Wrapper Model and A Harris Water Optimization-Based Deep Recurrent Neural Network
(51) Int. Cl.
G06Q 20/40 (2012.01)
H04M 15/00 (2006.01)
(45) 25.11.2021
(72) Kolli, Chandra Sekhar; Devi, T. Uma
(74) Mohan Kumar

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(21) 2021106245

Kumar, D. see Vargis, B.K.
(21) 2021106245

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(21) 2021106245

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(21) 2021106268

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(21) 2021106330

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(21) 2021106330

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(21) 2021106330

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(21) 2021106398

Kumar, S. see Kumar, G.
(21) 2021106404

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(21) 2021106404

(71) Kumar, G.; Gautam, G.; Kumar, S.; Verma, V.; Birla, D.; Chaturvedi, M.; Gangil, J.; Sharma, V.; Chordia, S.; Tiwari, A.; Patidar, N.; Kumar, R.

(11) AU-A-2021106404

(21) 2021106404 (22) 22.08.2021

(54) A frequently transesterification process of Jatropha curcus oil in the presence of a green solvent

(51) Int. Cl.

C11C 3/00 (2006.01)

C10L 1/02 (2006.01)

(45) 25.11.2021

(72) Kumar, Gajendra; Gautam, Girendra; Kumar, Satendra; Verma, Vikrant; Birla, Deepak; Chaturvedi, Mohit; Gangil, Jeetu; Sharma, Vikas; Chordia, Sachin; Tiwari, Abhishek; Patidar, Neeraj; Kumar, Ravi

(74) IP NATION

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(21) 2021106411

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(21) 2021106427

Kumar, A. see Katiyar, S.
(21) 2021106500

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(21) 2021106500

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(21) 2021106573

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(21) 2021106701

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(21) 2021106608

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(21) 2021106339

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(21) 2021105724

Kumar G S, P. see R, K.
(21) 2021105944

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(21) 2021106001

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(21) 2021105264

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(21) 2021105624

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(21) 2021106696

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(21) 2021105264

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(21) 2021106427

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(21) 2021105725

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(21) 2021105624

Lalwani, P. see Shandilya, S.K.
(21) 2021106268

Lenka, T.R. see Srivastava, A.
(21) 2021106184

L k, S.S. see Rana, M.
(21) 2021105622

(71) Logan Cove Pty Ltd
(11) AU-A-2021106973
(21) 2021106973 (22) 24.08.2021
(54) Trolley with Movable Shelves and a Self-Locking Mechanism
(51) Int. Cl.
A47B 49/00 (2006.01)
A47B 63/06 (2006.01)
B62B 3/00 (2006.01)
B62B 3/02 (2006.01)
B65G 1/127 (2006.01)
(31) 2020903770 (32) 16.10.20 (33) AU
(45) 25.11.2021
(72) Wright, Geoffrey Lee; Wright, Stephen Geoffrey; Wright, David John; Bowd-Seeley, Dean; Shaw, James Palmer; Haydon, Greg
(74) Golja Haines & Friend

(71) Lovely Professional University
(11) AU-A-2021106232
(21) 2021106232 (22) 20.08.2021
(54) A NOVEL PROCESS FOR STABILIZATION OF COPPER NANOPARTICLES
(51) Int. Cl.
B22F 9/24 (2006.01)
B22F 1/00 (2006.01)

(45) 25.11.2021
(72) SINGH, Saurabh; SINGH, Sachin; KAUR, Barinder; SINGH, Dileep; KAUR, Iqbaljit; SINGH, Amrik; KUMAR, Ajay
(74) IP NATION

(71) Lovely Professional University
(11) AU-A-2021106237
(21) 2021106237 (22) 20.08.2021
(54) A NOVEL ELEVATOR FOR LIFTING BUILDING MATERIALS
(51) Int. Cl.
B66B 9/10 (2006.01)
B66B 11/00 (2006.01)
E04G 21/14 (2006.01)

(45) 25.11.2021
(72) SHARMA, Pushpendra Kumar; SINGH, Vishaldeep; SINGH, Ripudaman; SINGLA, Atul Kumar; GUPTA, Meghna
(74) IP NATION

(71) Lovely Professional University
(11) AU-A-2021106240
(21) 2021106240 (22) 20.08.2021
(54) RCC SURFACE COMPACTORS
(51) Int. Cl.
E01C 19/32 (2006.01)
E04G 21/06 (2006.01)

(45) 25.11.2021
(72) SHARMA, Pushpendra Kumar; SINGH, Vishaldeep; PANDEY, Seema; GUPTA, Deepak Kumar; SINGLA, Atul Kumar; GUPTA, Meghna
(74) IP NATION

(71) Lovely Professional University
(11) AU-A-2021106633
(21) 2021106633 (22) 23.08.2021
(54) SNOW FREE ROOF
(51) Int. Cl.
E04D 13/10 (2006.01)

(45) 25.11.2021
(72) SHARMA, Pushpendra Kumar; SINGH, Vishaldeep; SHUKLA, Bishnu Kant; SINGH, Ripudaman; GUPTA, Deepak Kumar; SINGLA, Atul Kumar; GUPTA, Meghna
(74) IP NATION

M, P. see Praveena, A.
(21) 2021105706

M, V. see Shetty C S, S.
(21) 2021106665

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A01K 41/00 (2006.01)
G05B 19/05 (2006.01)
G05D 23/24 (2006.01)
H04Q 9/02 (2006.01)
G05D 22/02 (2006.01)

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(51) Int. Cl.
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B25B 13/46 (2006.01)

B25B 23/00 (2006.01)
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(72) Marks, Aston Frederick
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(51) Int. Cl.

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H02J 1/02 (2006.01)
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(74) Griffith Hack

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 (51) Int. Cl.
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 (54) AN EFFICIENT TECHNIQUE FOR HETEROGENOUS DATA USING EXTREME LEARNING APPROACH VIA UNSUPERVISED MULTIPLE KERNELS
 (51) Int. Cl.
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 (74) Makarand Sudhakar Ballal

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B64C 39/02 (2006.01)

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G05D 1/02 (2020.01)

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(51) Int. Cl.

C22B 23/02 (2006.01)

B09B 3/00 (2006.01)

C22B 5/10 (2006.01)

H01M 10/54 (2006.01)

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(51) Int. Cl.

C12M 1/00 (2006.01)

C12M 1/02 (2006.01)

C12M 1/04 (2006.01)

C12M 1/26 (2006.01)

C12M 3/00 (2006.01)

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(51) Int. Cl.

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E02D 5/18 (2006.01)

E02D 5/46 (2006.01)

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G06Q 30/04 (2012.01)

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A47L 7/00 (2006.01)

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B01D 47/02 (2006.01)

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A61K 8/9789 (2017.01)
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A61K 8/67 (2006.01)
A61K 31/355 (2006.01)
A61K 31/375 (2006.01)
A61K 31/455 (2006.01)
A61K 36/70 (2006.01)
A61K 38/48 (2006.01)
A61P 17/00 (2006.01)
A61Q 19/02 (2006.01)
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A61P 35/00 (2006.01)
B22F 9/24 (2006.01)
G01N 1/38 (2006.01)
G01N 21/35 (2014.01)
G01N 23/085 (2018.01)
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(54) Locker arrangement for trailer
(51) Int. Cl.
B60P 1/64 (2006.01)
A47G 29/14 (2006.01)
B60P 3/00 (2006.01)
(45) 25.11.2021
(72) Saviranta, Tapio
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(71) Player, B.
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(54) Surfing device
(51) Int. Cl.

B63B 32/59 (2020.01)
B29C 44/08 (2006.01)
B29C 44/12 (2006.01)
B63B 32/40 (2020.01)
B63B 32/57 (2020.01)
B63B 32/66 (2020.01)
B29L 31/52 (2006.01)
(31) 2021900168 (32) 27.01.21 (33) AU
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(72) Player, Ben
(74) IP SOLVED (ANZ) PTY. LTD.

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(11) AU-A-2021106942
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 (51) Int. Cl.
B63B 32/59 (2020.01)
B29C 44/08 (2006.01)
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B63B 32/40 (2020.01)
B63B 32/57 (2020.01)
B63B 32/66 (2020.01)
B29L 31/52 (2006.01)
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 (54) A SOCIALLY INSPIRED RELIABLE COMMUNICATION (SIRC) PRO-

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(51) Int. Cl.
H04L 29/06 (2006.01)
H04L 12/28 (2006.01)
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H04W 40/12 (2009.01)
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G06K 9/00 (2006.01)
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H04L 29/06 (2006.01)

A01C 21/00 (2006.01)

H04L 29/08 (2006.01)

H04W 4/70 (2018.01)

A01B 79/00 (2006.01)

A01G 22/55 (2018.01)

G01N 27/22 (2006.01)

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G06Q 50/02 (2012.01)

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A01G 17/14 (2006.01)

B29C 45/14 (2006.01)

B29C 45/26 (2006.01)

E04H 17/20 (2006.01)

A01G 9/12 (2006.01)

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(51) Int. Cl.

F02B 19/14 (2006.01)

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E01C 9/08 (2006.01)

E01C 3/04 (2006.01)

E01C 5/00 (2006.01)

E01C 5/10 (2006.01)

E01C 11/10 (2006.01)

E01C 11/22 (2006.01)

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C12N 5/071 (2010.01)
A61L 27/36 (2006.01)
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C12N 5/077 (2010.01)
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A61B 5/00 (2006.01)
A42B 3/04 (2006.01)
A61B 5/01 (2006.01)
G08B 21/02 (2006.01)
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G01V 1/00 (2006.01)
G06N 3/04 (2006.01)
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G06K 9/00 (2006.01)
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G06N 3/02 (2006.01)
G08G 1/017 (2006.01)

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A23L 33/18 (2016.01)
A61K 31/353 (2006.01)
A61P 25/28 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
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G01S 15/42 (2006.01)

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A61K 36/42 (2006.01)

A61P 1/04 (2006.01)

A61P 25/22 (2006.01)

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G10L 19/08 (2013.01)
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H04B 7/0413 (2017.01)
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A63B 21/005 (2006.01)
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H01G 4/018 (2006.01)
H01G 4/14 (2006.01)
H01G 7/02 (2006.01)
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H04L 12/801 (2013.01)
H04L 12/841 (2013.01)
H04L 12/933 (2013.01)
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 World Peace University**
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 A PREPARATION METHOD AND AP-
 PPLICATION THEREOF
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C04B 28/04 (2006.01)
C04B 14/04 (2006.01)
C04B 14/06 (2006.01)
C04B 14/36 (2006.01)
C04B 14/48 (2006.01)
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Power Research Institute**
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Power Research Institute**
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search Institute; State Grid Sichuan
Electric Power Company; Chang, Z.
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combined test supporting frame and
test box
(51) Int. Cl.
H05K 7/18 (2006.01)
G01R 31/50 (2020.01)
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Wang, Xuehui; Pu, Wei; Peng, Qian;
Cui, Hong
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 G06Q 10/08 (2012.01)
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 G01S 3/12 (2006.01)
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 H04W 4/029 (2018.01)
 G01S 1/04 (2006.01)
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E05D 15/26 (2006.01)
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(51) Int. Cl.
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A61B 5/01 (2006.01)
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A61B 5/11 (2006.01)
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(54) A POWER EXTENSION BOARD
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H01R 13/66 (2006.01)
G06F 1/18 (2006.01)
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H04L 12/801 (2013.01)
H04L 29/08 (2006.01)
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B01D 39/00 (2006.01)
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F04D 7/04 (2006.01)
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(21) 2021106969 (22) 24.08.2021

(54) Remediation of Coal Ash

(51) Int. Cl.
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B03B 9/06 (2006.01)
B03D 1/02 (2006.01)
C04B 28/00 (2006.01)
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C04B 111/00 (2006.01)

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(71) Wootten, D.

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(54) DOOR SECURING APPARATUS

(51) Int. Cl.
E05C 7/02 (2006.01)
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(54) A novel approach for energy efficient wireless sensor network using combination of sensor node's position and communication range

(51) Int. Cl.
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H04L 29/08 (2006.01)
H04W 52/00 (2009.01)
H04W 84/18 (2009.01)

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(21) 2021106076

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(21) 2021106431

(71) Yang, W.

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(54) AIRCRAFT AND METHOD FOR ACHIEVING VERTICAL TAKE-OFF AND LANDING AND HORIZONTAL FLIGHT BY SEGMENTED TILTING BOTTOM-DRIVEN PLATE WINGS

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(72) Yang, Weihua

(74) Madderns Pty Ltd

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(21) 2021106398

Yelure, B.S. see Jawade, P.B.

(21) 2021105860

(71) Yeshwantrao Chavan College of Engineering; Datta Meghe Institute of Medical Sciences (DU); Jawaharlal Nehru Medical College; Khedkar, S.

(11) AU-A-2021105388

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(54) PORTABLE COMPOSTER

(51) Int. Cl.
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(45) 25.11.2021

(72) Khedkar, S.; Patil, Chetan Rajendra; Bodhale, Paras Sanjay; Langde, Prajwal Giridhar; Agrawal, Abhishek Pramod; Tarwani, Kamal Vishandas

(74) Yeshwantrao Chavan College of Engineering

(71) YOGEV, M.

(11) AU-A-2021106967

(21) 2021106967 (22) 24.08.2021

(54) METHOD AND SYSTEM FOR CONSTRUCTION PROJECT MANAGEMENT AND QUALITY CONTROL

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(72) YOGEV, Mickie Michael Moshe

(74) WRAYS PTY LTD

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(21) 2021106500

Zhang, L. see Sadiq, M.

(21) 2021106926

(71) ZHUHAI HERMESIN ENTERPRISES CO.,LTD

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(54) Novel Volatilizing Container for Solid Aromatic Substance

(51) Int. Cl.
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(72) YIN, Tai Xing

(74) WEN JI HE

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<u>A01B 49 /-</u>	<u>A01N 37 /-</u>	<u>A47B 49 /-</u>	2021106699	<u>A61N 1 /-</u>	<u>A99Z 99 /-</u>
2021106226	2021106010	2021106973	<u>A61B 6 /-</u>	2021106886	2021106348
<u>A01B 79 /-</u>	<u>A01N 43 /-</u>	<u>A47B 63 /-</u>	2021106245	<u>A61N 5 /-</u>	<u>B01D 21 /-</u>
2021105622	2021106962	2021106973	<u>A61C 19 /-</u>	2021105264	2021106910
2021106226	2021106976	<u>A47B 88 /-</u>	2021106878	<u>A61P 1 /-</u>	<u>B01D 29 /-</u>
2021106415	<u>A01N 65 /-</u>	2021106974	<u>A61G 5 /-</u>	2021105624	2021106894
2021106696	2021106010	<u>A47B 9 /-</u>	2021106262	2021106950	<u>B01D 3 /-</u>
<u>A01C 21 /-</u>	<u>A01P 13 /-</u>	2021106907	<u>A61G 7 /-</u>	<u>A61P 17 /-</u>	2021106940
2021105622	2021106962	<u>A47D 15 /-</u>	2021106884	2021105945	<u>B01D 39 /-</u>
2021106696	2021106976	2021106895	<u>A61K 31 /-</u>	<u>A61P 25 /-</u>	2021106883
<u>A01C 7 /-</u>	<u>A01P 7 /-</u>	<u>A47F 5 /-</u>	2021105945	2021105624	<u>B01D 47 /-</u>
2021106226	2021106010	2021106852	2021106876	2021106957	<u>B01D 47 /-</u>
<u>A01G 17 /-</u>	<u>A23J 1 /-</u>	<u>A47G 29 /-</u>	2021106893	<u>A61P 29 /-</u>	2021103585
2021106959	2021106957	2021106966	2021106930	2021106893	<u>B01F 7 /-</u>
<u>A01G 22 /-</u>	2021106960	<u>A47G 9 /-</u>	2021106957	2021106957	2021106883
2021105622	<u>A23J 3 /-</u>	2021106887	<u>A61K 33 /-</u>	<u>A61P 31 /-</u>	<u>B01J 20 /-</u>
2021105820	2021106957	2021106895	2021105352	2021105627	<u>B01J 20 /-</u>
<u>A01G 25 /-</u>	<u>A23K 10 /-</u>	2021106909	<u>A61K 36 /-</u>	2021106876	2021106879
2021105698	2021106950	<u>A47K 3 /-</u>	2021105352	2021106950	<u>B02C 17 /-</u>
2021105820	<u>A23K 50 /-</u>	2021106920	2021105624	<u>A61P 35 /-</u>	2021106948
2021105860	2021106950	<u>A47L 11 /-</u>	2021105945	2021105352	<u>B02C 18 /-</u>
<u>A01G 9 /-</u>	2021106950	2021106223	2021106876	2021105710	<u>B02C 18 /-</u>
2021106959	<u>A23L 17 /-</u>	<u>A47L 15 /-</u>	2021106893	2021106930	2021105388
<u>A01H 1 /-</u>	2021106960	2021106367	2021106950	2021106957	<u>B02C 4 /-</u>
2021106339	<u>A23L 33 /-</u>	<u>A47L 7 /-</u>	<u>A61K 38 /-</u>	<u>A61P 39 /-</u>	<u>B02C 4 /-</u>
<u>A01K 41 /-</u>	2021106957	<u>A47L 9 /-</u>	2021105945	2021105624	2021106890
2021105254	2021106960	2021103585	2021106957	2021106957	<u>B03B 9 /-</u>
<u>A01K 51 /-</u>	<u>A41B 13 /-</u>	<u>A47L 9 /-</u>	<u>A61K 47 /-</u>	<u>A61P 43 /-</u>	2021106969
2021106010	2021106895	<u>A47L 9 /-</u>	2021105710	2021105624	<u>B03D 1 /-</u>
2021106010	<u>A42B 3 /-</u>	<u>A61B 10 /-</u>	<u>A61K 8 /-</u>	<u>A61Q 19 /-</u>	2021106969
2021106226	2021106699	2021103585	2021105945	2021105945	<u>B05B 1 /-</u>
<u>A01M 21 /-</u>	<u>A45D 34 /-</u>	<u>A61B 17 /-</u>	<u>A61K 9 /-</u>	<u>A63B 21 /-</u>	2021106932
2021106226	2021106951	2021106699	2021105352	2021106897	<u>B05B 11 /-</u>
<u>A01M 7 /-</u>	<u>A47B 13 /-</u>	2021106958	2021106876	2021106904	2021106932
2021106226	<u>A47B 21 /-</u>	<u>A61B 5 /-</u>	2021106893	<u>A63B 22 /-</u>	2021106932
<u>A01N 1 /-</u>	2021106918	2021105264	<u>A61L 27 /-</u>	2021106897	<u>B05B 7 /-</u>
2021106879	2021106907	2021105454	2021105411	2021106904	2021106932
<u>A01N 25 /-</u>	<u>A47B 3 /-</u>	2021105614	2021105729	<u>A63B 24 /-</u>	<u>B09B 3 /-</u>
2021106010	2021106918	2021105865	<u>A61L 9 /-</u>	2021106897	2021106578
2021106976	<u>A47B 3 /-</u>	2021105945	2021105673	<u>A63B 71 /-</u>	<u>B21D 22 /-</u>
<u>A01N 31 /-</u>	2021106918	2021106174	<u>A61M 35 /-</u>	2021106917	2021106269
2021106010	2021106245	2021106262	2021105264		
	2021106431				

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2021106269	2021106959	2021105629	2021105492 2021105717 2021106969	2021106937	2021106578
<u>B21D 37 /-</u>	<u>B29L 31 /-</u>	<u>B65D 43 /-</u>	<u>C04B 14 /-</u>	<u>C09D 5 /-</u>	<u>C25B 1 /-</u>
2021106269 2021106587	2021106941 2021106942	2021105673	2021106968	2021106956	2021106827
<u>B22F 1 /-</u>	<u>B30B 1 /-</u>	<u>B65D 51 /-</u>	<u>C04B 18 /-</u>	<u>C09D 7 /-</u>	<u>C25B 11 /-</u>
2021105411 2021106232	2021105724	2021105673	2021105717 2021106057 2021106968 2021106969	2021106937	2021106827
<u>B22F 9 /-</u>	<u>B30B 9 /-</u>	<u>B65D 90 /-</u>	<u>C04B 24 /-</u>	<u>C10B 49 /-</u>	<u>C25B 15 /-</u>
2021105352 2021105411 2021106232	2021105724	2021106873	2021106968	2021106888	2021106827
<u>B23B 27 /-</u>	<u>B60P 1 /-</u>	<u>B65G 1 /-</u>	<u>C04B 26 /-</u>	<u>C10B 53 /-</u>	<u>D06F 23 /-</u>
2021105876	2021106966	2021106973	2021106968	2021106888	2021106367
<u>B23D 75 /-</u>	<u>B60P 3 /-</u>	<u>B65G 11 /-</u>	<u>C04B 28 /-</u>	<u>C10L 1 /-</u>	<u>E01C 11 /-</u>
2021106902	2021106966	2021106948	2021106057	2021106404	2021106975
<u>B23D 77 /-</u>	<u>B60Q 9 /-</u>	<u>B65H 16 /-</u>	<u>C04B 28 /-</u>	<u>C10L 5 /-</u>	<u>E01C 19 /-</u>
2021106902	2021106669	2021106964	2021105492 2021105717 2021106968 2021106969	2021106888	2021106240
<u>B23K 101 /-</u>	<u>B60R 21 /-</u>	<u>B65H 49 /-</u>	<u>C05C 9 /-</u>	<u>C11C 3 /-</u>	<u>E01C 3 /-</u>
2021105876	2021106566	2021106964	2021105719	2021106404	2021106975
<u>B23K 26 /-</u>	<u>B60S 3 /-</u>	<u>B65H 75 /-</u>	<u>C05F 17 /-</u>	<u>C12H 6 /-</u>	<u>E01C 5 /-</u>
2021105876	2021105725	2021106964	2021105388	2021106940	2021106975
<u>B23P 15 /-</u>	<u>B61L 29 /-</u>	<u>B66B 11 /-</u>	<u>C05F 5 /-</u>	<u>C12M 1 /-</u>	<u>E01C 9 /-</u>
2021105876	2021106892	2021106237	2021105388	2021106355 2021106889	2021106975
<u>B23Q 3 /-</u>	<u>B62B 3 /-</u>	<u>B66B 9 /-</u>	<u>C07D 295 /-</u>	<u>C12M 3 /-</u>	<u>E01F 15 /-</u>
2021106902	2021106915 2021106973	2021106237	2021105627	2021106889	2021106129
<u>B24C 5 /-</u>	<u>B63B 32 /-</u>	<u>B67B 7 /-</u>	<u>C07D 317 /-</u>	<u>C12N 1 /-</u>	<u>E01F 9 /-</u>
2021106932	2021106941 2021106942	2021105944	2021106875	2021106911	2021106892
<u>B25B 13 /-</u>	<u>B63G 8 /-</u>	<u>B82Y 5 /-</u>	<u>C07K 1 /-</u>	<u>C12N 5 /-</u>	<u>E02D 15 /-</u>
2021106949	2021106662	2021105352	2021106957	2021105729	2021106928
<u>B25B 23 /-</u>	<u>B64C 29 /-</u>	<u>C02F 1 /-</u>	<u>C07K 19 /-</u>	<u>C12N 9 /-</u>	<u>E02D 19 /-</u>
2021106949	2021106880	2021106894 2021106910	2021106957	2021105945	2021106928
<u>B28C 7 /-</u>	<u>B64C 3 /-</u>	<u>C02F 103 /-</u>	<u>C07K 19 /-</u>	<u>C12Q 1 /-</u>	<u>E02D 33 /-</u>
2021105492 2021106881	2021106880	2021106894	2021106957	2021105553 2021106213 2021106339	2021106928
<u>B28C 9 /-</u>	<u>B64C 39 /-</u>	<u>C02F 11 /-</u>	<u>C08K 11 /-</u>	<u>C22B 1 /-</u>	<u>E02D 5 /-</u>
2021106881	2021106059 2021106696 2021106947	2021106948	2021106948	2021106905	2021106928
<u>B29C 44 /-</u>	<u>B64C 9 /-</u>	<u>C02F 3 /-</u>	<u>C08K 3 /-</u>	<u>C22B 23 /-</u>	<u>E02F 3 /-</u>
2021106941 2021106942	2021106880	2021106910	2021106937	2021106578	2021105986
	<u>B64D 35 /-</u>	<u>C04B 103 /-</u>	<u>C08L 21 /-</u>	<u>C22B 34 /-</u>	<u>E03B 3 /-</u>
	2021106880	2021105492	2021106948	2021106905	2021106894
			<u>C09D 133 /-</u>		<u>E03D 9 /-</u>
			2021106956		2021105754

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<u>E04D 13 /-</u>		<u>F42D 1 /-</u>		2021106059	<u>G06F 9 /-</u>
2021106633	<u>F02B 77 /-</u>	2021106955	<u>G01R 35 /-</u>	2021106076	2021106510
	2021105704	2021106972	2021106445	2021106947	
<u>E04F 13 /-</u>				<u>G05D 19 /-</u>	<u>G06K 17 /-</u>
2021106901	<u>F02C 7 /-</u>	<u>F42D 3 /-</u>	<u>G01S 1 /-</u>	2021105339	2021105738
	2021105503	2021106955	2021106891		
<u>E04G 21 /-</u>	<u>F02M 21 /-</u>	2021106972	<u>G01S 11 /-</u>	<u>G05D 22 /-</u>	<u>G06K 19 /-</u>
2021106237	2021106827	<u>G01B 11 /-</u>	2021106891	2021105254	2021105738
2021106240		2021105876	<u>G01S 13 /-</u>	<u>G05D 23 /-</u>	<u>G06K 9 /-</u>
<u>E04H 12 /-</u>	<u>F03D 3 /-</u>	<u>G01L 5 /-</u>	2021106076	2021105254	2021102692
2021106913	2021106040	2021106249	2021106566	<u>G06F 1 /-</u>	2021105491
<u>E04H 17 /-</u>	<u>F04D 29 /-</u>	<u>G01N 1 /-</u>	<u>G01S 15 /-</u>	2021106178	2021105554
2021106959	2021106883	2021105352	2021106662	2021106326	2021105629
<u>E04H 9 /-</u>	<u>F04D 7 /-</u>	2021106874	<u>G01S 19 /-</u>	2021106446	2021105813
2021105339	2021106883	2021106878	2021105629	<u>G06F 11 /-</u>	2021105859
<u>E05B 17 /-</u>	<u>F16B 7 /-</u>	2021106879	<u>G01S 3 /-</u>	2021105860	2021106272
2021106922	2021106907	<u>G01N 11 /-</u>	2021106891	<u>G06F 12 /-</u>	2021106326
<u>E05C 19 /-</u>	<u>F16F 15 /-</u>	2021106205	<u>G01S 5 /-</u>	2021105739	2021106898
2021106922	2021105339	2021106606	2021106662	<u>G06F 16 /-</u>	2021106912
<u>E05C 7 /-</u>	<u>F16M 11 /-</u>	2021105352	<u>G01V 1 /-</u>	2021105408	2021106921
2021106922	2021106687	2021106606	2021106916	2021105706	2021106944
<u>E05D 15 /-</u>	2021106907	<u>G01N 23 /-</u>	2021106944	2021105739	2021105491
2021106877	<u>F16M 13 /-</u>	2021105352	<u>G01V 3 /-</u>	2021105408	2021105554
<u>E05F 15 /-</u>	2021106687	<u>G01N 27 /-</u>	2021106934	2021105706	2021105789
2021106877	<u>F21L 13 /-</u>	2021105333	<u>G01W 1 /-</u>	2021105739	2021105813
	2021106913	2021105622	2021105551	2021106050	2021105860
<u>E06B 3 /-</u>	<u>F21S 8 /-</u>	2021106205	2021105860	2021106446	2021106245
2021106877	2021106053	<u>G01N 29 /-</u>	2021106275	2021106609	2021106268
<u>E06B 7 /-</u>	<u>F21V 15 /-</u>	2021106205	<u>G05B 13 /-</u>	2021106664	2021106326
2021106877	2021106913	2021105876	2021105386	2021106946	2021106415
<u>E21B 17 /-</u>	<u>F21V 17 /-</u>	2021106587	2021106341	<u>G06F 17 /-</u>	<u>G06N 3 /-</u>
2021106961	2021106952	<u>G01N 33 /-</u>	2021106423	2021105408	2021102692
<u>E21D 11 /-</u>	<u>F21V 21 /-</u>	2021105622	<u>G05B 15 /-</u>	2021105495	2021105454
2021106881	2021106913	2021105738	2021106649	2021105739	2021105554
<u>E21F 5 /-</u>	<u>F21V 25 /-</u>	2021106415	<u>G05B 19 /-</u>	2021106398	2021105629
2021106881	2021106913	<u>G01N 9 /-</u>	2021105254	<u>G06F 21 /-</u>	2021105789
<u>F02B 1 /-</u>	<u>F23R 3 /-</u>	<u>G01R 19 /-</u>	2021106223	2021105739	2021105926
2021105704	2021105503	2021106276	2021106669	2021106388	2021105950
<u>F02B 19 /-</u>	<u>F42B 3 /-</u>	<u>G01R 22 /-</u>	2021106700	2021106398	2021106030
2021105704	2021106955	2021106276	<u>G05B 23 /-</u>	2021106398	2021106245
<u>F02B 43 /-</u>	2021106972	<u>G01R 31 /-</u>	2021106050	<u>G06F 3 /-</u>	2021106272
2021106827		2021106445	2021106330	2021106912	2021106662
			2021106510	2021106912	2021106944
			2021105629	2021106664	2021106944
				2021105789	<u>G06N 7 /-</u>
				2021106174	2021105386
				2021106326	2021106272
				2021106664	<u>G06Q 10 /-</u>
				2021106353	2020104470
				<u>G06F 40 /-</u>	2021105493
				2021105491	2021105986
				<u>G06F 7 /-</u>	2021106059
				2021106446	2021106074
					2021106258
					2021106341
					2021106350
					2021106700
					2021106891

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2021106899		<u>G10L 19 /-</u>			
2021106943	2021106387		2021106337	2021105551	2021105739
2021106967		2021105454			2021105826
	<u>G08B 1 /-</u>		<u>H01L 23 /-</u>	<u>H02S 50 /-</u>	2021106066
<u>G06Q 20 /-</u>		<u>G10L 25 /-</u>			2021106398
	2021106431		2021105494	2021106653	2021106427
2021106075		2021105454			2021106569
2021106387	<u>G08B 13 /-</u>		<u>H01L 29 /-</u>	<u>H03B 1 /-</u>	2021106926
2021106896		<u>G16B 20 /-</u>			
2021106923	2021106665		2021106165	2021106257	
2021106938	2021106912				<u>H04M 1 /-</u>
2021106939		2021106339	<u>H01L 31 /-</u>	<u>H03K 19 /-</u>	
	<u>G08B 15 /-</u>	<u>G16B 25 /-</u>			2021106448
<u>G06Q 30 /-</u>			2021106184	2021106257	
	2021106701	2021105553			<u>H04M 15 /-</u>
2021106341			<u>H01M 10 /-</u>	<u>H03M 3 /-</u>	
2021106436	<u>G08B 21 /-</u>	<u>G16H 10 /-</u>			2021106075
2021106608			2021106578	2021106391	2021106275
2021106643	2021105264	2021105614			
2021106896	2021106400	2021106398	<u>H01Q 1 /-</u>	<u>H03M 7 /-</u>	<u>H04N 1 /-</u>
2021106899	2021106699				2021106446
2021106923	2021106701	<u>G16H 40 /-</u>	2021106955	2021106391	
2021106938	2021106898		<u>H01R 13 /-</u>	<u>H04B 1 /-</u>	<u>H04N 19 /-</u>
2021106939	2021106912	2021105264			2021105859
2021106943			2021106178	2021106699	
	<u>G08B 23 /-</u>	<u>G16H 50 /-</u>	2021106949		<u>H04Q 9 /-</u>
<u>G06Q 40 /-</u>				<u>H04B 13 /-</u>	
	2021106431	2021105264	<u>H01R 24 /-</u>		2021105254
2021105826		2021105495		2021106662	
2021106350	<u>G08B 25 /-</u>	2021105553	2021106949		<u>H04R 25 /-</u>
2021106608		2021105614		<u>H04B 17 /-</u>	
2021106899	2021106699	2021106213	<u>H01R 25 /-</u>		2021106448
2021106923	2021106701	2021106245		2021106500	
2021106946		2021106400	2021106178	<u>H04B 7 /-</u>	<u>H04W 12 /-</u>
	<u>G08B 27 /-</u>	2021106409			
<u>G06Q 50 /-</u>		2021106418	<u>H02G 1 /-</u>	2021105950	2021106066
	2021106261			2021106582	
2020104470	2021106898	<u>G16Y 10 /-</u>	2021106947		<u>H04W 28 /-</u>
2021105622				<u>H04K 3 /-</u>	2021105950
2021105860	<u>G08B 31 /-</u>	2021105264	<u>H02G 7 /-</u>		2021106410
2021105986		2021105477		2021106066	2021106561
2021106048	2021106898	2021105551	2021106947		2021106582
2021106074		2021105614		<u>H04L 12 /-</u>	
2021106276	<u>G08C 17 /-</u>	2021105860	<u>H02H 3 /-</u>		<u>H04W 4 /-</u>
2021106350		2021105865		2021106410	2021105622
2021106357	2021105629	2021106001	2021106178	2021106411	2021105860
2021106569	2021106223	2021106326		2021106500	2021106065
2021106608			<u>H02J 1 /-</u>	2021106561	2021106275
2021106643	<u>G08G 1 /-</u>	<u>G16Y 20 /-</u>			2021106276
2021106891			2021106653	<u>H04L 29 /-</u>	2021106330
2021106926	2021105477	2021105264			2021106500
2021106939	2021106892	2021105614	<u>H02J 13 /-</u>	2021105500	2021106566
2021106946	2021106912	2021105865		2021105706	2021106891
2021106967		2021106326	2021106337	2021106046	
	<u>G08G 5 /-</u>		2021106446	2021106065	<u>H04W 40 /-</u>
<u>G06Q 99 /-</u>		<u>G16Y 40 /-</u>		2021106066	
	2021106059		<u>H02J 3 /-</u>	2021106076	2021105500
2021106048		2021105264		2021106223	2021106410
	<u>G09B 21 /-</u>	2021105551	2021106178	2021106268	2021106411
<u>G06T 11 /-</u>		2021105865	2021106653	2021106350	
	2021105875			2021106364	<u>H04W 52 /-</u>
2021105926	2021106326	<u>H01G 4 /-</u>	<u>H02M 5 /-</u>	2021106410	
				2021106411	2021105500
<u>G06T 3 /-</u>	<u>G09B 5 /-</u>	2021106165		2021106427	2021106891
			<u>H02N 15 /-</u>	2021106573	
2021105926	2021106627	<u>H01G 7 /-</u>		2021106627	<u>H04W 72 /-</u>
			2021106852	2021106669	
<u>G06T 7 /-</u>	<u>G09B 7 /-</u>	2021106165		2021106946	2021105950
			<u>H02S 10 /-</u>		2021106582
2021102692	2021105875	<u>H01H 3 /-</u>			
2021105554			2021106653		
2021106944	<u>G09F 11 /-</u>	2021106337			
	2018102226				

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H04W 88 /-

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H05B 45 /-

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A61P 31/00 (2006.01)
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A61K 31/454 (2006.01)
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A61K 31/506 (2006.01)
A61P 1/16 (2006.01)
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C07D 401/04 (2006.01)
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ministration
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C07D 217/00 (2006.01)
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E21B 34/14 (2006.01)
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A61K 31/375 (2006.01)
A61K 31/427 (2006.01)
A61K 31/4409 (2006.01)
A61K 31/4706 (2006.01)
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B01D 15/08 (2006.01)
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G01N 33/566 (2006.01)
C07K 14/705 (2006.01)
C07K 14/72 (2006.01)
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(51) Int. Cl.
A61B 17/86 (2006.01)
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A61P 17/00 (2006.01)
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C07C 217/28 (2006.01)
C08K 5/16 (2006.01)
C09K 15/00 (2006.01)
C10L 10/00 (2006.01)
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C11D 1/02 (2006.01)
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H05B 6/06 (2006.01)
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F24C 7/08 (2006.01)
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A61K 35/17 (2015.01)
A61K 39/00 (2006.01)
A61P 35/02 (2006.01)
C07K 14/725 (2006.01)
C07K 16/28 (2006.01)
C07K 16/40 (2006.01)
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C07K 16/28 (2006.01)
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 (51) Int. Cl.
B60L 5/39 (2006.01)
B60L 53/14 (2019.01)
B60L 53/30 (2019.01)
B60L 53/36 (2019.01)
B60L 53/37 (2019.01)
G05D 1/02 (2020.01)
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H03F 1/00 (2006.01)
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H04B 1/00 (2006.01)
H04B 10/564 (2013.01)

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 (21) 2020254025 (22) 01.04.2020
 (54) Hydrogen producing device and hydro-
 gen producing method

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C01B 3/38 (2006.01)
H01M 8/0432 (2016.01)
H01M 8/0438 (2016.01)
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 content liquids

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A23L 3/54 (2006.01)
B01D 1/00 (2006.01)
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E21B 43/013 (2006.01)
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F16L 1/16 (2006.01)
F16L 1/23 (2006.01)
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 DESEN, Bjørgulf Haukelidsæter

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 (21) 2020254819 (22) 06.04.2020
 (54) System and method for autonomous
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(51) Int. Cl.
G05D 1/02 (2020.01)
G05D 1/10 (2006.01)
G05D 3/12 (2006.01)

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 (21) 2020306616 (22) 23.06.2020
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 article with an added value film

(51) Int. Cl.
B29D 11/00 (2006.01)
B33Y 10/00 (2015.01)

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 for use in the prophylaxis and/or treat-
 ment of viral infections caused by
 herpesviridae

(51) Int. Cl.
A61K 36/185 (2006.01)
A61K 31/7048 (2006.01)
A61K 36/45 (2006.01)
A61P 31/14 (2006.01)
A61P 31/22 (2006.01)

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 Norbert; BRÜCHER, Christoph; BENE-
 DIKT, Anne; STEINKE, Maria; BODEM,
 Jochen

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 (11) AU-A-2020252112
 (21) 2020252112 (22) 27.03.2020
 (54) Combined preparation comprising an
 anthocyanin composition and an antivir-
 al agent

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A61K 36/185 (2006.01)
A61K 31/7048 (2006.01)
A61K 36/45 (2006.01)
A61P 31/14 (2006.01)
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 NEDIKT, Anne; ENGEL, Andrea;
 STEINKE, Maria; BODEM, Jochen

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 (21) 2020253038 (22) 27.03.2020
 (54) Treatment and prevention of infec-
 tions by herpesviridae with delphinid-
 in-3-glucoside

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A61K 36/185 (2006.01)
A61K 31/7048 (2006.01)
A61K 36/45 (2006.01)
A61P 31/22 (2006.01)

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 wheel slidable along said guides

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A47C 7/00 (2006.01)
A47C 9/02 (2006.01)
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(51) Int. Cl.
B61D 27/00 (2006.01)
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(31) 20 2019 104 696.1 (32) 27.08.19 (33) DE
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(21) 2020309133 (22) 26.05.2020
(54) Compound for surface protection
(51) Int. Cl.
C09D 5/00 (2006.01)
- (87) WO2021/004557
(31) PV 2019-447 (32) 05.07.19 (33) CZ
(43) 14.01.2021
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(11) AU-A-2020310308
(21) 2020310308 (22) 26.05.2020
(54) Thermal insulating plaster mixture
(51) Int. Cl.
C04B 28/26 (2006.01)
- (87) WO2021/004558
(31) PV 2019-448 (32) 07.07.19 (33) CZ
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(74) Southern Cross Intellectual Property
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- (71) First Point A.S.
(11) AU-A-2020310383
(21) 2020310383 (22) 09.06.2020
(54) Coating composition and method of its application
(51) Int. Cl.
B05D 7/00 (2006.01)
C09D 1/04 (2006.01)
C09D 5/18 (2006.01)
C09D 7/61 (2018.01)
C08K 3/34 (2006.01)
C08K 3/40 (2006.01)
C08K 7/14 (2006.01)
C08K 7/28 (2006.01)
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(21) 2020311533 (22) 26.05.2020
(54) Insulation material and a method for its production
(51) Int. Cl.
C04B 28/00 (2006.01)
C08L 19/00 (2006.01)
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(31) PV 2019-446 (32) 05.07.19 (33) CZ
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(21) 2020312065 (22) 26.05.2020
(54) Insulating material and method for its production
(51) Int. Cl.
C04B 16/08 (2006.01)
C04B 28/26 (2006.01)
C08J 9/224 (2006.01)
C08J 9/236 (2006.01)
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(31) PV 2019-445 (32) 05.07.19 (33) CZ
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(54) Compound for reinforcing surface treatment
(51) Int. Cl.
C04B 41/68 (2006.01)
- (87) WO2021/023318
(31) PV2019-508 (32) 06.08.19 (33) CZ
(43) 11.02.2021
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(21) 2020324260 (22) 26.06.2020
(54) Insulation material and a method for its production
(51) Int. Cl.
C04B 20/10 (2006.01)
C04B 28/26 (2006.01)
C04B 40/00 (2006.01)
C04B 111/28 (2006.01)
- (87) WO2021/023323
(31) PV 2019-515 (32) 07.08.19 (33) CZ
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(51) Int. Cl.
C08G 18/28 (2006.01)
C04B 28/00 (2006.01)
C08G 18/32 (2006.01)
C08G 18/76 (2006.01)
C08K 3/36 (2006.01)
C08K 7/28 (2006.01)
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(54) Fire-proof material
(51) Int. Cl.
C04B 28/26 (2006.01)
C09K 21/02 (2006.01)
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(31) PV 2019-511 (32) 06.08.19 (33) CZ
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(21) 2020325548 (22) 09.06.2020
(54) Wood chip material and method of its production
(51) Int. Cl.
B27K 3/20 (2006.01)
B27K 3/26 (2006.01)
B27K 3/32 (2006.01)
B27N 9/00 (2006.01)
C09K 21/00 (2006.01)
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(54) Plaster treatment compound
(51) Int. Cl.
C04B 41/68 (2006.01)
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C04B 20/10 (2006.01)
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 (51) Int. Cl.
 G05D 1/02 (2020.01)
 A01D 75/00 (2006.01)
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 (54) Intelligent harvester with instantaneous stop function, and instantaneous stop method therefor
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 B60T 7/22 (2006.01)
 A01D 75/20 (2006.01)
 B60R 21/00 (2006.01)
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 B61D 3/18 (2006.01)
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 C07D 417/04 (2006.01)
 A61K 31/519 (2006.01)
 A61P 35/00 (2006.01)
 C07D 471/04 (2006.01)
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 B62D 55/075 (2006.01)
 B62D 55/065 (2006.01)
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 A61B 18/04 (2006.01)
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 (21) 2020320454 (22) 31.07.2020
 (54) Improvements to articles of footwear
 (51) Int. Cl.
 A43B 7/14 (2006.01)
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 A43B 21/32 (2006.01)
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 (43) 04.02.2021
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 (51) Int. Cl.
 A61K 31/19 (2006.01)
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 A61K 31/506 (2006.01)
 A61P 27/16 (2006.01)
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 (11) AU-A-2020286973
 (21) 2020286973 (22) 08.06.2020
 (54) Medical packaging in the form of an infusion bag and method for transferring liquid from a vial to an infusion bag
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 A61J 1/20 (2006.01)
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 (31) 19178711.8 (32) 06.06.19 (33) EP
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 (74) Shelston IP Pty Ltd.
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A24F 47/00 (2020.01)
A61K 31/522 (2006.01)
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G21K 1/02 (2006.01)
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A61B 17/16 (2006.01)
B25F 1/04 (2006.01)
B26B 13/04 (2006.01)
C12N 5/0775 (2010.01)
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A62B 7/08 (2006.01)
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A61K 31/444 (2006.01)
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A61K 31/496 (2006.01)
A61K 31/5377 (2006.01)
A61P 1/16 (2006.01)
A61P 5/00 (2006.01)
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A61P 11/00 (2006.01)
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F16L 57/02 (2006.01)
H02G 1/10 (2006.01)
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A61K 31/495 (2006.01)
A61K 31/519 (2006.01)
A61K 31/53 (2006.01)
A61P 35/00 (2006.01)
C07D 403/04 (2006.01)
C07D 403/12 (2006.01)
C07D 403/14 (2006.01)
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F17D 5/02 (2006.01)
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 A01H 6/14 (2018.01)
 A23L 27/00 (2016.01)
 A61K 36/28 (2006.01)
 A61Q 13/00 (2006.01)
 C12N 5/04 (2006.01)
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C07H 21/04 (2006.01)
C07K 14/00 (2006.01)
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C12P 21/06 (2006.01)
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A41D 13/11 (2006.01)
B29C 48/05 (2019.01)
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 PAVEK, Petr; DUSEK, Jan
(74) Phillips Ormonde Fitzpatrick

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(11) AU-A-2020304331
(21) 2020304331 **(22)** 12.06.2020
(54) System, method and apparatus for providing variable rate application of applicants to discrete field locations
(51) Int. Cl.
A01G 25/00 (2006.01)
A01G 25/02 (2006.01)
A01G 25/06 (2006.01)
A01G 25/14 (2006.01)
G05B 13/02 (2006.01)
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(31) 62/867,338 **(32)** 27.06.19 **(33)** US
(43) 30.12.2020
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(74) James & Wells Intellectual Property

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(11) AU-A-2020304397
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(54) System and method for transmitting data within an irrigation system
(51) Int. Cl.
A01G 25/09 (2006.01)
A01G 25/02 (2006.01)
A01G 25/16 (2006.01)
A01G 27/00 (2006.01)
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(11) AU-A-2020261438
(21) 2020261438 **(22)** 26.04.2020
(54) Lubricant for use in electric and hybrid vehicles and methods of using the same
(51) Int. Cl.
C10M 169/04 (2006.01)
C10M 135/18 (2006.01)
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(54) Blister-card retail and storage packaging for button cells
(51) Int. Cl.

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- (71)** Vault Pressure Control LLC
(11) AU-A-2020261011
(21) 2020261011 **(22)** 22.04.2020
(54) Actuator with spring compression and
 decoupling
(51) Int. Cl.
F16D 65/14 (2006.01)
E21B 34/02 (2006.01)
(87) WO2020/219532
(31) 62/838,710 **(32)** 25.04.19 **(33)** US
 62/968,689 31.01.20 US
 16/844,626 09.04.20 US
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 ATE, Jeremy
(74) Phillips Ormonde Fitzpatrick
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- (71)** Vaxcyte, Inc.
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(21) 2020253332 **(22)** 27.03.2020
(54) Optimized cell-free synthesis of Inva-
 sion Plasmid Antigen B and related
 compositions and methods of use
(51) Int. Cl.
A61K 39/02 (2006.01)
(87) WO2020/205584
(31) 62/828,364 **(32)** 02.04.19 **(33)** US
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(74) Pizzeys Patent and Trade Mark Attor-
 neys Pty Ltd
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- (71)** Velosbio Inc.
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(21) 2020277489 **(22)** 22.05.2020
(54) Anti-ROR1/anti-CD3 bispecific binding
 molecules
(51) Int. Cl.
C07K 16/28 (2006.01)
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 KO, Mira; LANNUTTI, Brian; VO,
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 tion
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G08B 13/06 (2006.01)
G08B 29/18 (2006.01)
G08B 25/10 (2006.01)
G08B 29/06 (2006.01)
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 hepatitis B virus (HBV) infection
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C12N 15/113 (2010.01)
A61K 31/713 (2006.01)
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 CONNOLLY, Lynn E.
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- (71)** Viscofan, S.A.
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(21) 2020265114 **(22)** 27.04.2020
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 same and product stuffed in said casing
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A22C 13/00 (2006.01)
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 FUENTES, Joana; LONGO ARESO,
 Carlos María
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 sponse to treatment of neurological dis-
 orders
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A61K 31/198 (2006.01)
A61K 31/47 (2006.01)
C12Q 1/68 (2018.01)
(87) WO2020/210473
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(72) SNODGRASS, H. Ralph
(74) Allens Patent & Trade Mark Attorneys
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- (71)** Vivace Therapeutics, Inc.
(11) AU-A-2020257207
(21) 2020257207 **(22)** 15.04.2020
(54) Bicyclic compounds
(51) Int. Cl.
A61P 35/00 (2006.01)
C07D 471/04 (2006.01)
C07D 473/30 (2006.01)
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 Ling Tang
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(21) 2020268854 **(22)** 27.03.2020
(54) Traffic control system
(51) Int. Cl.
G08G 1/01 (2006.01)
G06K 9/00 (2006.01)
G08G 1/08 (2006.01)
G08G 1/081 (2006.01)
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 PATEL, Rushen
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(54) Supercapacitor
(51) Int. Cl.
H01G 11/36 (2013.01)
C01B 32/15 (2017.01)
H01G 11/50 (2013.01)
H01M 4/133 (2010.01)
H01M 4/1393 (2010.01)
H01M 4/583 (2010.01)
H01M 4/66 (2006.01)
H01M 4/96 (2006.01)
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 moud Moussa M.; DUBAL, Deepak
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(21) 2020270993 **(22)** 13.04.2020
(54) Valve with multi-part frame and associ-
 ated resilient bridging features
(51) Int. Cl.
A61F 2/24 (2006.01)
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 an S.
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(51) Int. Cl.
E02D 29/045 (2006.01)
E02D 17/04 (2006.01)
E02D 19/18 (2006.01)
E02D 29/02 (2006.01)
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- (71) William Marsh Rice University
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(51) Int. Cl.
A61M 5/00 (2006.01)
A61M 39/10 (2006.01)
A61M 39/22 (2006.01)
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(31) 62/839,358 (32) 26.04.19 (33) US
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(74) FPA Patent Attorneys Pty Ltd
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- (71) Wirth Doors Limited
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(21) 2020265402 (22) 30.04.2020
(54) An active airflow inhibiting apparatus
(51) Int. Cl.
F24F 11/30 (2018.01)
F24F 9/00 (2006.01)
F24F 110/32 (2018.01)
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(31) 1906016.9 (32) 30.04.19 (33) GB
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(74) AJ PARK
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- (71) Wntresearch AB
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(51) Int. Cl.
A61K 38/00 (2006.01)
A61K 38/17 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
A61K 39/00 (2006.01)
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(21) 2020264490 (22) 30.04.2020
(54) Orthodontic bracket with a biased ligating member
(51) Int. Cl.
A61C 7/12 (2006.01)
A61C 7/00 (2006.01)
A61C 7/28 (2006.01)
A61C 7/30 (2006.01)
(87) WO2020/223564
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G09F 13/04 (2006.01)
(87) WO2020/206791
(31) 201910289240.0 (32) 11.04.19 (33) CN
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- (71) Yunjing Intelligence Technology (Dongguan) Co., Ltd.
(11) AU-A-2020256598
(21) 2020256598 (22) 08.04.2020
(54) Cleaning control method and apparatus, cleaning robot and storage medium
(51) Int. Cl.
A47L 11/28 (2006.01)
(87) WO2020/207391
(31) 201910288354.3 (32) 11.04.19 (33) CN
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(72) WU, Yihao; ZHOU, Jingwei; ZHAO, Tuhao
(74) WRAYS PTY LTD
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- (71) Yunjing Intelligence Technology (Dongguan) Co., Ltd.
(11) AU-A-2020256813
(21) 2020256813 (22) 08.04.2020
(54) Detection method and apparatus, and mobile robot and storage medium
(51) Int. Cl.
G01S 17/93 (2020.01)
(87) WO2020/207390
(31) 201910281173.8 (32) 09.04.19 (33) CN
(43) 15.10.2020
(72) WU, Yihao; LIANG, Kanghua
(74) WRAYS PTY LTD
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- (71) Yunjing Intelligence Technology (Dongguan) Co., Ltd.
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(21) 2020256986 (22) 08.04.2020
(54) Cleaning control method and apparatus, cleaning robot and storage medium
(51) Int. Cl.
A47L 11/24 (2006.01)
(87) WO2020/207389
(31) 201910288358.1 (32) 11.04.19 (33) CN
(43) 15.10.2020
(72) WU, Yihao; ZHOU, Jingwei
(74) WRAYS PTY LTD
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- (71) Zhejiang CFMoto Power Co., Ltd
(11) AU-A-2020373949
(21) 2020373949 (22) 28.10.2020
(54) Straddle-type vehicle
(51) Int. Cl.
B62K 11/04 (2006.01)
B60K 13/04 (2006.01)
F01N 1/08 (2006.01)
F01N 13/08 (2010.01)
(87) WO2021/083240
(31) 201911029709.3 (32) 28.10.19 (33) CN
(43) 06.05.2021
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(74) Madderns Pty Ltd
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- (71) Zodiac Pool Systems LLC
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(21) 2020263235 (22) 14.04.2020

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

- (54) Automatic swimming pool cleaners and components thereof
 - (51) Int. Cl.
E04H 4/16 (2006.01)
 - (87) WO2020/219301
 - (31) 62/837,017 (32) 22.04.19 (33) US
 - (43) 29.10.2020
 - (72) BORG, Dustin; LISS, Brian
 - (74) FB Rice Pty Ltd
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- (71) ZymoChem, Inc.
- (11) AU-A-2020262490
- (21) 2020262490 (22) 25.04.2020
- (54) Production of chemicals from renewable sources
- (51) Int. Cl.
C12P 7/42 (2006.01)
C12N 9/88 (2006.01)
C12N 15/52 (2006.01)
- (87) WO2020/220001
- (31) 62/838,793 (32) 25.04.19 (33) US
62/868,824 28.06.19 US
- (43) 29.10.2020
- (72) CHOKHAWALA, Harshal; KUCHENREUTHER, Jonathan; GUTIERREZ, Jorge-Alonso; TAI, Yi-Shu
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2019269562	ePropelled Limited	2020253306	Schlage Lock Company LLC
2019438745	Nokia Technologies Oy	2020253332	Vaxcyte, Inc.
2019438843	Amicro Semiconductor Co., Ltd.	2020253426	Fractyl Health, Inc.
2019439324	Wen, Y.	2020253445	Boston, J.
2019440149	Carr, G.	2020253560	ProLynx LLC
2019440257	You, L.	2020253563	Canary Medical Switzerland AG
2019440282	FJ Dynamics Technology Co., Ltd	2020253564	Inertia Systems
2019440386	FJ Dynamics Technology Co., Ltd	2020253613	New York University
2019440423	ABB Power Grids Switzerland AG	2020253685	ImmuneTune B.V.
2019440651	Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shizhen Information Technology Co., Ltd.	2020253878	IonQ, Inc.
2019440748	Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shizhen Information Technology Co., Ltd.	2020254025	ENEOS Corporation
2019441337	Razer (Asia-Pacific) Pte. Ltd.	2020254687	Data Boiler Technologies LLC
2019441382	Peter Dann Limited	2020254738	Soliton, Inc.
2019442572	Huawei Technologies Co., Ltd.	2020254771	The Pokémon Company International, Inc.
2019442894	The Feinstein Institute for Medical Research	2020254819	EquipmentsShare.com Inc.
2019443793	Atallah Group Inc.	2020254882	Galapagos NV
2019444153	Hence Construction Co., Ltd.; Seo, Y.; Seo, G.	2020255063	Shanghai Ao Qi Medical Technology Co., Ltd.
2019444218	Immunicom, Inc.	2020255100	SHENZHEN FORWARD PHARMACEUTICALS CO., LTD.
2019444631	Philadelphia Mixing Solutions, Ltd.	2020255244	Koninklijke Philips N.V.
2019444713	Shenzhen Wopson Electrical Co., Ltd	2020255343	Bozzolan, M.
2019445710	Sizov, K.K.; Strella Biotechnology Company	2020255432	Suntory Holdings Limited
2019446557	Citrix Systems, Inc.	2020255674	The University of Adelaide
2019446898	Kief, T.; Kief, H.	2020255676	Saleh, G.
2019448250	Flexiwaggon AB	2020255687	Innotech Medical Industries Corp.
2019448524	JGC Corporation	2020255702	PrimeGene (Beijing) Co., Ltd.
2019450892	EnWave Corporation	2020255759	University of Tsukuba; SOINN Inc.; Life Science Institute, Inc.
2019452685	Halliburton Energy Services, Inc.	2020255993	Telefonaktiebolaget LM Ericsson (publ)
2019457052	Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shizhen Information Technology Co., Ltd.	2020256195	NeoVasc Tiara Inc.
2019457152	Technique Co., Ltd.	2020256199	The Regents of the University of Colorado, a Body Corporate
2019457396	Halliburton Energy Services, Inc.	2020256211	Lucerno Dynamics, LLC
2019464900	Halliburton Energy Services, Inc.	2020256598	Yunjing Intelligence Technology (Dongguan) Co., Ltd.
2019466267	Halliburton Energy Services, Inc.	2020256690	iQmetrix Software Development Corporation
2020234661	Cotillon, J.	2020256742	SolarMass Energy Group Ltd.
2020244858	The General Hospital Corporation; The Brigham and Women's Hospital, Inc.	2020256813	Yunjing Intelligence Technology (Dongguan) Co., Ltd.
2020245599	Southern Mills, Inc.	2020256856	iQmetrix Software Development Corporation
2020245786	Koite Health Oy	2020256986	Yunjing Intelligence Technology (Dongguan) Co., Ltd.
2020247622	Sofwave Medical Ltd.	2020257192	Fresh Health Inc.
2020247835	BankVault Pty Ltd	2020257207	Vivace Therapeutics, Inc.
2020248173	Puzzle Medical Devices Inc.	2020257620	Saipem S.p.A.
2020250745	VARTA Microbattery GmbH	2020257812	Bird Control Group B.V.
2020250782	Henkel AG & Co. KGaA	2020257982	Servizo Galego de Saúde; Fundación Instituto De Investigación Sanitaria De Santiago De Compostela
2020250804	Deere & Company	2020258007	Targovax ASA
2020251010	DePuy Synthes Products, Inc.	2020258025	AC Immune SA
2020251021	JK-Holding GmbH	2020258071	Greentech Global Pte. Ltd.
2020251026	Genero S.r.l.	2020258593	Neuboron Therapy System Ltd.
2020251046	Volta Pty Ltd	2020258869	Takeda Pharmaceutical Company Limited
2020251206	TOPL LIMITED	2020259058	ECA Robotics
2020251315	Cox Powertrain Ltd.	2020259121	Wntresearch AB
2020251514	Oxygenium Ltd.	2020259142	Oncopeptides AB
2020251706	Clean Earth Technology Pty Ltd	2020259177	Bio-Rad Laboratories, Inc.
2020251710	Cytomatrix Limited	2020259248	Ossium Health, Inc.
2020251713	Titomic Limited	2020259354	Becton, Dickinson and Company
2020251747	Emotional Perception AI Limited	2020259387	Pastificio Rana S.p.A.
2020252038	Galapagos NV	2020259388	Pastificio Rana S.p.A.
2020252068	Evonik Operations GmbH	2020259389	Pastificio Rana S.p.A.
2020252112	Evonik Operations GmbH	2020259804	OurlP Pty Ltd
2020252213	Kershaw, H.	2020259996	Azura Ophthalmics Ltd.
2020252246	Icebreaker International ApS	2020259997	Azura Ophthalmics Ltd.
2020252248	PEACHES S.L.	2020260070	Hensley Industries, Inc.
2020252376	Heissenberg, M.	2020260124	Becton, Dickinson and Company
2020252863	Fuso Pharmaceutical Industries, Ltd.	2020260204	Neuboron Therapy System Ltd.
2020252900	Galapagos NV	2020260237	Boehringer Ingelheim Vetmedica (China) Co., Ltd.
2020253038	Evonik Operations GmbH	2020260357	Blucon Biotech GmbH

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2020260673	Medela Holding AG	2020266136	Nautilus Biotechnology, Inc.
2020260998	Orbit Genomics, Inc.	2020266170	Karyopharm Therapeutics Inc.
2020261011	Vault Pressure Control LLC	2020266172	ServiceNow, Inc.
2020261071	The Board of Trustees of The Leland Stanford Junior University	2020266256	Gensight Biologics
2020261101	William Marsh Rice University	2020266265	Unither Pharmaceuticals
2020261145	Huawei Technologies Co., Ltd.	2020266294	StrainChem
2020261291	Ganymed Robotics	2020266347	Institut Pasteur de Montevideo.; University of the Republic
2020261321	Invacare International GmbH	2020266483	Simpson Strong-Tie Company Inc.
2020261425	Axon Enterprize, Inc.	2020266508	Boston Scientific Neuromodulation Corporation
2020261435	Sangamo Therapeutics, Inc.	2020266560	Target Discovery Merger Sub II, LLC
2020261438	Valvoline Licensing and Intellectual Property LLC	2020266579	PACT Pharma, Inc.
2020261867	Shanghai Jinchun Medical & Pharmaceutical Technology Co., Ltd.	2020266595	Myeloid Therapeutics, Inc.
2020261968	Captivis I/S	2020266741	Akzo Nobel Coatings International B.V.
2020262082	Personal Genome Diagnostics Inc.	2020266750	Confo Therapeutics N.V.
2020262294	Alarm.Com Incorporated	2020266841	Memorial Sloan-Kettering Cancer Center
2020262383	Tolmar International, Ltd.	2020266966	BSH Hausgeräte GmbH
2020262428	Trackonomy Systems, Inc.	2020267131	The General Hospital Corporation; Revitope Limited
2020262444	University of Manitoba	2020267139	The Procter & Gamble Company
2020262490	ZymoChem, Inc.	2020267365	Ultima Genomics, Inc.
2020263235	Zodiac Pool Systems LLC	2020267378	Kite Pharma, Inc.
2020263474	GenEdit Inc.	2020267482	PlantVax, Inc.
2020263599	Thomas Jefferson University; Ecofibre USA Inc.	2020267495	SmileDirectClub LLC
2020263600	Thomas Jefferson University	2020267509	Ab Initio Technology LLC
2020263651	Coloplast A/S	2020267614	C-Pack Verpackungsmaschinen GmbH
2020263862	Nippon Steel Corporation	2020267712	BASF SE
2020263883	Kerry Luxembourg S.à. r.l.; George, B.; Bradley, J.M.; Cash, H.; Cobbe, S.G.; Imam, N.; O'Shea, E.	2020267743	Bio-Rad Laboratories, Inc.
2020263911	Rena Technologies Austria GmbH	2020267758	Malcolm, T.
2020263959	Heidelberg Pharma Research GmbH	2020267769	Brightcove, Inc.
2020264065	CR Development AB	2020267820	Iterchimica S.P.A
2020264436	Crown Equipment Corporation	2020267858	Roquette Freres; National University of Singapore
2020264437	CHASM Advanced Materials, Inc.	2020267861	BASF SE
2020264452	Otonexus Medical Technologies, Inc.	2020268087	The University of Sydney
2020264453	Taka USA, Inc.	2020268107	InsituGen Limited
2020264459	IDAC Holdings, Inc.	2020268145	Citrix Systems, Inc.
2020264460	Cricut, Inc.	2020268168	LifeLabs Design, Inc.
2020264473	Foster-Miller, Inc.	2020268343	Stepan Company
2020264481	Axon Enterprize, Inc.	2020268374	Nu-Life Consulting Pte Ltd; Shulze, J.
2020264490	World Class Technology Corporation	2020268409	The Feinstein Institutes for Medical Research
2020264494	PMI Industries, Inc.	2020268442	One Amgen Center Drive Law - Patent Operations
2020264503	Cytec Industries, Inc.	2020268481	BPW Bergische Achsen KG
2020264679	Ustav Organické Chemie A Biochemie AV CR, V. V. I.; Univerzita Karlova	2020268524	Koninklijke Philips N.V.
2020264723	Gloobe Pte Ltd	2020268540	BASF SE
2020264724	Telefonaktiebolaget LM Ericsson (Publ)	2020268574	Baur, F.; Haser, F.J.; Lamello AG
2020264725	Corliffe OHG	2020268718	HI LLC
2020264799	Norton (Waterford) Limited	2020268729	Citrix Systems, Inc.
2020264816	Mul-T-Lock Technologies Ltd.	2020268833	CareFusion 303, Inc.
2020265097	BASF SE	2020268854	Vivacity Labs Limited
2020265103	F. Smit Holding B.V.	2020268861	OXFORD BIODYNAMICS PLC
2020265110	Boehringer Ingelheim International GmbH	2020268870	Barventory Corp.
2020265111	Novochem Green Additives 4 B.V.; Novochem Green Additives B.V.	2020268887	CareFusion 303, Inc.
2020265114	Viscofan, S.A.	2020268975	Boryung Pharmaceutical Co., Ltd
2020265142	4C BIOMED LIMITED; Tel Hashomer Medical Research Infrastructure and Services Ltd.	2020269070	Askvik Aqua AS
2020265223	ConocoPhillips Company	2020269071	InsituGen Limited
2020265263	General Automation Lab Technologies Inc.	2020269164	Takeda Vaccines, Inc.
2020265402	Wirth Doors Limited	2020269231	Medicines360
2020265418	Reflex Instruments Asia Pacific Pty Ltd	2020269271	Rhodia Operations
2020265450	ShinWide Pty Ltd	2020269369	CareFusion 303, Inc.
2020265522	Baker Hughes Oilfield Operations LLC	2020269377	Ultima Genomics, Inc.
2020265570	Ecolab USA Inc.	2020269378	ServiceNow, Inc.
2020265573	Baylis Medical Company Inc.	2020269398	Ecole Polytechnique Federale de Lausanne (EPFL)
2020265576	Insmmed Incorporated	2020269825	BASF SE
2020265741	Juno Therapeutics, Inc.; Editas Medicine, Inc.	2020269839	Koninklijke Philips N.V.
2020265812	Trigone Pharma Ltd.	2020269917	BASF Coatings GmbH
2020265942	Huawei Technologies Co., Ltd.	2020269973	Colebrook Bosson & Saunders (Products) Limited
2020266012	Confo Therapeutics N.V.	2020270027	Boryung Pharmaceutical Co., Ltd
2020266127	Dripping Wet Water, Inc.	2020270124	The Feinstein Institutes for Medical Research
		2020270125	The Feinstein Institutes for Medical Research
		2020270167	Mundy, K.; Blanc, H.
		2020270325	Citrix Systems, Inc.
		2020270393	Hyperfine, Inc.
		2020270417	ServiceNow, Inc.

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2020270428	Cvent, Inc.	2020279221	Qualcomm Incorporated
2020270686	Suntory Holdings Limited	2020279506	Mountain Top Industries ApS
2020270834	xCella Biosciences, Inc.	2020279543	argenx BVBA
2020270975	SLSG Limited LLC; Memorial Sloan Kettering Cancer Center	2020279774	Ab Initio Technology LLC
2020270993	W. L. Gore & Associates, Inc.	2020279889	GW Research Limited
2020271067	Frequency Therapeutics, Inc.	2020279921	Thomson Reuters Enterprise Centre GmbH
2020271115	Solaria Corporation	2020279979	Novartis AG; Les Laboratoires Servier
2020271123	ElevateBio Technologies, Inc	2020280115	Neuhofer, F.
2020271504	Beirobotics LLC	2020280673	John Cockerill Defense SA
2020271761	SKYLOTEC GmbH	2020280924	Pharvaris GmbH
2020271780	Team Conveyor Intellectual Properties, LLC	2020281593	IMEC vzw; Universiteit Antwerpen
2020271853	Vistagen Therapeutics, Inc.	2020281701	Frieslandcampina Nederland B.V.; Universiteit Maastricht
2020271885	DermBiont, Inc.	2020281802	Janssen Sciences Ireland Unlimited Company
2020271905	Agilent Technologies, Inc.	2020281803	Janssen Sciences Ireland Unlimited Company
2020271910	ELC Management LLC	2020281804	Janssen Sciences Ireland Unlimited Company
2020272047	The Regents of the University of California	2020282362	Apple Inc.
2020272074	The Trustees of the University of Pennsylvania	2020282482	Guangdong Wuyuan New Material Technology Group Co., Ltd.
2020272134	The Sun Company Texas, LLC d.b.a. The Sun Company	2020282990	Komatsu Ltd.; The University of Tokyo
2020272330	Suntory Holdings Limited	2020283387	Qualcomm Incorporated
2020272666	The Trustees of the University of Pennsylvania	2020283409	Qualcomm Incorporated
2020272944	Board of Regents, The University of Texas System	2020283534	Eli Lilly and Company
2020272983	Carbofex Oy	2020283597	Fochon Pharmaceuticals, Ltd.; Shanghai Fochon Pharmaceutical Co., Ltd.
2020273003	LettUs Grow Ltd	2020283774	Janssen Sciences Ireland Unlimited Company
2020273137	PerkinElmer Health Sciences, Inc.	2020283817	Eli Lilly and Company
2020273246	Rottapharm Biotech S.r.l.	2020283912	Qualcomm Incorporated
2020273273	Cannas, J.	2020284110	Sage Therapeutics, Inc.
2020273513	Mountain Top Industries ApS	2020284233	Qualcomm Incorporated
2020273553	S&L Access Systems AB	2020285314	Janssen Sciences Ireland Unlimited Company
2020273625	NewSouth Innovations Pty Limited	2020285654	Qualcomm Incorporated
2020273654	Janssen Biotech, Inc.	2020285935	Kobelco Construction Machinery Co., Ltd.
2020273954	Hildebrandt, J.	2020286118	Brita GmbH
2020273972	Howmedica Osteonics Corp.	2020286789	Tosho Inc.
2020274011	Deciphera Pharmaceuticals, LLC	2020286968	argenx BVBA
2020274035	Ecolab USA Inc.	2020286973	Fresenius Kabi Deutschland GmbH
2020274050	Board of Regents, The University of Texas System; Research Development Foundation	2020287341	Acutus Medical, Inc.
2020274164	Sierra Oncology, Inc.	2020287517	Komatsu Ltd.
2020274200	Duke University	2020289537	Aligos Therapeutics, Inc.
2020274430	Alectos Therapeutics Inc.	2020290583	The Procter & Gamble Company
2020274472	Level 3 Communications, LLC	2020290668	Sandvik Mining and Construction Tools AB
2020274610	SIGOS GmbH	2020290950	Moser, Y.; Daniels, D.W.
2020274987	American Express Travel Related Services Co., Inc.	2020291206	Smith & Nephew Asia Pacific Pte. Limited
2020275076	Bimyo GmbH	2020291791	Elonroad AB
2020275280	Howmedica Osteonics Corp.	2020291805	Johnson Matthey Davy Technologies Limited
2020275291	Brii Biosciences, Inc.	2020292375	Lennham Pharmaceuticals, Inc.
2020275415	Genentech, Inc.	2020292451	The Procter & Gamble Company
2020275435	Mountain Top Industries ApS	2020293568	Ardex Group GmbH
2020275746	Calix Ltd.	2020295263	L&K Biomed Co., Ltd.
2020275818	Ascentawits Pharmaceuticals, Ltd.	2020297969	S. C. Johnson & Son, Inc.
2020276196	Nymox Corporation	2020298313	Boston Scientific Neuromodulation Corporation
2020276243	Vir Biotechnology, Inc.	2020299267	Verisure Sàrl
2020276271	Empower RF Systems, Inc.	2020301236	Inari Agriculture Technology, Inc.
2020276493	MJNN LLC	2020303575	Dana-Farber Cancer Institute, Inc.
2020276576	JT International S.A.	2020304331	Valmont Industries, Inc.
2020276656	Hettich-ONI GmbH & Co. KG	2020304355	Bio-Rad Laboratories, Inc.
2020277383	Ecolab USA Inc.	2020304397	Valmont Industries, Inc.
2020277404	Convalesce Inc.	2020306616	Essilor International
2020277485	Specialty Minerals (Michigan) Inc.	2020309133	First Point A.S.
2020277489	Velosbio Inc.	2020309764	Yara International ASA
2020277668	DFE Pharma GmbH & Co. KG	2020310308	First Point A.S.
2020277752	Magenta Medical Ltd	2020310383	First Point A.S.
2020278178	Heidelberg Pharma Research GmbH	2020310820	LanzaTech, Inc.
2020278435	Equinor Energy AS	2020311533	First Point A.S.
2020278519	Qualcomm Incorporated	2020311913	Bioness Inc.
2020278906	Nomad Bioscience GmbH	2020312065	First Point A.S.
2020278972	Thomson Reuters Enterprise Centre GmbH	2020312178	Sandvik Mining and Construction Tools AB
2020279046	Avent, Inc.	2020313091	AI MOTOR PTY LTD
2020279047	Avent, Inc.	2020313207	Electrolux Appliances Aktiebolag
2020279107	Ultima Genomics, Inc.	2020313995	AI MOTOR PTY LTD
2020279128	Edwards Lifesciences Corporation	2020314327	SmileSonica Inc.

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

2020314593	Electrolux Appliances Aktiebolag
2020314758	James Hardie Technology Limited
2020320454	FRANKIE4 IP 1 Pty Ltd
2020323952	Remacro Machinery & Technology (Wujiang) Co., Ltd.
2020324259	First Point A.S.
2020324260	First Point A.S.
2020325059	Borody, T.; Milis, A.
2020325425	First Point A.S.
2020325426	First Point A.S.
2020325548	First Point A.S.
2020327290	First Point A.S.
2020327291	First Point A.S.
2020335015	Citrix Systems, Inc.
2020336808	Faiveley Transport Leipzig GmbH & Co. KG
2020337778	Halliburton Energy Services, Inc.
2020338696	BillerudKorsnäs AB
2020372283	Wuhan Nari Limited Liability Company of State Grid Electric Power Research Insititute
2020373949	Zhejiang CFMoto Power Co., Ltd
2020377805	LG Chem, Ltd.
2020414201	CJ CheilJedang Corporation
2020416827	Nanjing Institute of Agricultural Mechanization, Ministry of Agriculture And Rural Affairs
2020437690	Tencent America LLC
2020438625	Tencent America LLC
2021217089	Centre for Digestive Diseases Pty Limited
2021246614	Tencent America LLC
2021246616	Tencent America LLC
2021246917	Tencent America LLC
2021248462	Tencent America LLC
2021249201	Tencent America LLC
2021249220	Tencent America LLC
2021250951	Tao Mining Co., Ltd.
2021252497	Tencent America LLC

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<u>A01B 79 /-</u>	<u>A01N 43 /-</u>	<u>A43B 7 /-</u>	2020274050	<u>A61F 2 /-</u>	2020265110
2019230450	2020267712	2020320454	2020279046	2020253563	2020265576
	2020268540		2020279047	2020256195	2020266265
	2020269825		2020325059	2020270993	2020266347
<u>A01D 75 /-</u>	<u>A01N 53 /-</u>	<u>A45C 11 /-</u>	<u>A61B 34 /-</u>	2020279128	2020267378
2019440282	2020297969	2020269973	2020261291	2020295263	2020268409
2019440386			2020273972		2020268975
			2020275280		2020269398
<u>A01G 25 /-</u>	<u>A01N 63 /-</u>	<u>A45F 5 /-</u>	2020279046	<u>A61F 5 /-</u>	2020270027
2020304331	2020262444	2019440149	2020279047	2020263651	2020271067
2020304397		<u>A47B 57 /-</u>	2020287341		2020271853
		2020280115		<u>A61G 11 /-</u>	2020271885
<u>A01G 27 /-</u>	<u>A01P 7 /-</u>		<u>A61B 5 /-</u>	2020270393	2020273246
2020304397	2020262444		2019442894		2020273654
	2020267712	<u>A47B 96 /-</u>	2020244858	<u>A61G 5 /-</u>	2020274011
	2020268540	2020276656	2020245786	2020261321	2020274430
<u>A01G 31 /-</u>	2020269825		2020251021		2020275291
2020273003	2020297969	<u>A47C 1 /-</u>	2020253563	<u>A61H 23 /-</u>	2020275415
		2020265103	2020255759	2020254738	2020275818
<u>A01H 1 /-</u>	<u>A22C 13 /-</u>		2020260124		2020276243
2020270686	2020265114	<u>A47C 20 /-</u>	2020264065	<u>A61H 3 /-</u>	2020279889
		2020323952	2020264799	2020266256	2020280924
<u>A01H 3 /-</u>	<u>A23K 10 /-</u>		2020268718		2020281701
2020272330	2020263883	<u>A47C 7 /-</u>	2020270393	<u>A61H 31 /-</u>	2020281802
		2020265103	2020287341	2020268524	2020281803
<u>A01H 5 /-</u>	<u>A23L 2 /-</u>		2020298313	2020269839	2020281804
2020270686	2020255432	<u>A47C 9 /-</u>	<u>A61B 50 /-</u>		2020283597
2020272330		2020265103	2020251010	<u>A61H 39 /-</u>	2020283774
	<u>A23L 27 /-</u>		<u>A61B 6 /-</u>	2021250951	2020284110
<u>A01H 6 /-</u>	2020270686	<u>A47J 27 /-</u>	2020255687		2020285314
2020270686		2020259387	2020256211	<u>A61H 9 /-</u>	2020292375
2020272330	<u>A23L 3 /-</u>	2020259388	<u>A61B 8 /-</u>	2020251021	2020303575
	2019450892	2020259389	2020325059	<u>A61J 1 /-</u>	2020377805
<u>A01K 61 /-</u>	2020262444	<u>A47L 11 /-</u>	<u>A61B 90 /-</u>	2020252863	2021217089
2020269070		2020256598	2020251010	2020286973	<u>A61K 33 /-</u>
	<u>A23L 33 /-</u>	2020256986	2020254738		2020253445
<u>A01K 74 /-</u>	2020263883		2020261291	<u>A61J 3 /-</u>	2020253613
2020269070	2020264723	<u>A61B 1 /-</u>	2020273972	2020286789	2021217089
	2020267139	2020267495	2020275280		<u>A61K 35 /-</u>
<u>A01K 79 /-</u>	2020272330	<u>A61B 10 /-</u>	2020279047	<u>A61K 31 /-</u>	2020252248
2020269070		2020255759	<u>A61C 11 /-</u>	2020251710	2020253057
	<u>A23L 7 /-</u>		2020267495	2020252038	2020255676
<u>A01M 23 /-</u>	2020264723	<u>A61B 17 /-</u>	<u>A61C 15 /-</u>	2020252068	2020258007
2020261968		2020251010	2020257192	2020252112	2020263883
	<u>A24B 15 /-</u>	2020254738	<u>A61C 17 /-</u>	2020252900	2020266127
<u>A01M 27 /-</u>	2020292375	2020259248	2020257192	2020253038	2020266595
2020261968		2020261867	<u>A61C 19 /-</u>	2020253445	2020266841
	<u>A24F 47 /-</u>	2020265573	2020267495	2020254882	2020267139
<u>A01M 29 /-</u>	2020292375	2020273972	<u>A61C 7 /-</u>	2020255063	2020267378
2020257812		2020275280	2020267495	2020255100	2020271123
	<u>A41D 13 /-</u>	2020290950	<u>A61C 19 /-</u>	2020255676	2020271885
<u>A01N 25 /-</u>	2020263599	2020291206	2020267495	2020255702	2020272074
2020267712		2020325059	<u>A61B 18 /-</u>	2020259142	2020272666
2020268540	<u>A43B 21 /-</u>		2020247622	2020259996	2020272944
2020269825	2020320454	<u>A61B 18 /-</u>	2020253426	2020259997	<u>A61K 36 /-</u>
2020297969		2020247622		2020263474	2020252068
	<u>A43B 3 /-</u>	2020253426		2020264453	2020252112
	2020320454			2020264679	2020253038
					2020255676
					2020270686
					<u>A61K 38 /-</u>
					2020251710

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2020253685	2020263883	2020277752		2020270975	<u>B01D 53 /-</u>
2020259121	2020265812		<u>A61P 27 /-</u>	2020280924	
2020261071	2020266265	<u>A61N 1 /-</u>			2020251706
2020262383	2020271067		2020253445	<u>A61P 43 /-</u>	<u>B01D 9 /-</u>
2020266127	2020277668	2019442894	2020259997		
2020267378		2020256199	2020266265	2020259996	2020309764
2020272666	<u>A61L 2 /-</u>	2020266508	2020271067	<u>A61P 5 /-</u>	<u>B01F 15 /-</u>
2020275076		2020298313	2020280924		
2020276196	2020325059	2020311913	<u>A61P 29 /-</u>	2020262383	2020257620
<u>A61K 39 /-</u>	<u>A61L 26 /-</u>	<u>A61N 2 /-</u>	2020252900	2020280924	2020309764
				<u>A61P 9 /-</u>	<u>B01F 7 /-</u>
2020253332	2020267858	2020256199	<u>A61P 3 /-</u>	2020255702	2020309764
2020253685	<u>A61L 27 /-</u>	<u>A61N 5 /-</u>		2020280924	
2020259121			2020255702	<u>A61Q 11 /-</u>	<u>B01J 10 /-</u>
2020260237	2020277404	2020251021	2020264679		
2020265142		2020258593	2020274430	2020290583	2020257620
2020265741	<u>A61M 1 /-</u>	2020260204	2020281701	2020292451	
2020266347		2020266256	2020377805		<u>B01J 19 /-</u>
2020267131	2020248173			<u>A61Q 13 /-</u>	2019444631
2020268442	2020260673	<u>A61N 7 /-</u>	<u>A61P 31 /-</u>		
2020269164		2020247622	2020252038	2020270686	<u>B01J 20 /-</u>
2020270975	<u>A61M 15 /-</u>	2020254738	2020252068		
2020271123		2020314327	2020252112	<u>A61Q 19 /-</u>	2020251706
2020272074	2020264799		2020253038		2020277485
2020275415	<u>A61M 16 /-</u>	<u>A61P 1 /-</u>	2020254882	2020271885	
2020279543			2020260237		<u>B01J 4 /-</u>
2020286968	2020251514	2020253057	2020265142	<u>A61Q 5 /-</u>	<u>B01J 8 /-</u>
<u>A61K 45 /-</u>	<u>A61M 21 /-</u>	2020255702	2020269164		2020257620
		2020263883	2020280924	2020268343	
2019444218	2020244858	2020267139	2020281802	2020271910	<u>B01J 8 /-</u>
2020270975		2020274430	2020281803		
2020272666	<u>A61M 25 /-</u>	2020280924	2020281804	<u>A62B 1 /-</u>	2020257620
2020275415			2020283774		
2020279889	2020248173	<u>A61P 11 /-</u>	2020285314	2020271761	<u>B01L 3 /-</u>
<u>A61K 47 /-</u>	2020259354		2020289537		
	2020260124	2020280924	2021217089	<u>A62B 21 /-</u>	2020265263
2020251710	2020265573	<u>A61P 13 /-</u>	<u>A61P 35 /-</u>		2020270834
2020253560	2020268374			2020251514	2020304355
2020255676	<u>A61M 29 /-</u>	2020265812	2019444218	<u>A62B 7 /-</u>	<u>B01L 9 /-</u>
2020259142		2020276196	2020253560		
2020262383	2020265573	2020280924	2020253685	2020251514	2020265263
2020263959			2020255063		
2020265812	<u>A61M 31 /-</u>	<u>A61P 15 /-</u>	2020255100	<u>A62C 3 /-</u>	<u>B02C 18 /-</u>
2020266265			2020255702		
2020267758	2020244858	2020280924	2020257207	2020273273	2019457152
2020275415	<u>A61M 37 /-</u>	<u>A61P 17 /-</u>	2020259121		
2020278178			2020259142	<u>A62C 31 /-</u>	<u>B02C 7 /-</u>
2020279979	2020248173	2020255676	2020263959		
<u>A61K 48 /-</u>	<u>A61M 39 /-</u>	2020255702	2020265142	2020273273	2019457152
		2020271885	2020266347		
2020258007	2020261101	2020280924	2020266560	<u>A63F 1 /-</u>	<u>B03D 1 /-</u>
2020261071	2020264725	<u>A61P 19 /-</u>	2020268409		
<u>A61K 51 /-</u>	2020269369		2020268975	2020254771	2020265097
		2020252248	2020269398	<u>A63F 9 /-</u>	<u>B05B 17 /-</u>
2020273654	<u>A61M 5 /-</u>	<u>A61P 21 /-</u>	2020270027		
<u>A61K 8 /-</u>			2020271123	2020254771	2020273003
	2020248173	2020252248	2020273654	<u>B01D 1 /-</u>	<u>B05C 9 /-</u>
2020271910	2020259354		2020274011		
2020290583	2020260124	<u>A61P 25 /-</u>	2020274164	2019450892	2020265263
2020292451	2020261101		2020275415		
<u>A61K 9 /-</u>	2020268833	2020255702	2020275818	<u>B01D 15 /-</u>	<u>B05D 3 /-</u>
	2020268887	2020258025	2020278178		
2020251710	2020269231	2020274430	2020280924	2020251706	2020267482
2020252863	2020269369	2020275291	2020283597	2020277485	
2020255676		2020279543	2020283817	<u>B01D 5 /-</u>	<u>B05D 7 /-</u>
2020262383	<u>A61M 60 /-</u>	2020279889	<u>A61P 37 /-</u>		
		2020280924		2020251514	2020310383
	2020248173	2020284110	2020255702		

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<u>B06B 1 /-</u>	<u>B32B 5 /-</u>	<u>B62D 55 /-</u>	<u>B66C 23 /-</u>	<u>C04B 24 /-</u>	<u>C07D 279 /-</u>
2020314327	2020268168	2020264473	2020273553	2019464900	2020270125 2020289537
<u>B08B 17 /-</u>	<u>B33Y 10 /-</u>	<u>B62K 11 /-</u>	<u>B66D 1 /-</u>	<u>C04B 28 /-</u>	<u>C07D 401 /-</u>
2020255244	2020251713 2020263911 2020306616	2020373949	2020271761	2019464900 2020293568 2020310308 2020311533 2020312065 2020324260 2020325425 2020325426 2020327291	2020255702 2020274430 2020280924
<u>B08B 9 /-</u>	<u>B33Y 30 /-</u>	<u>B63B 23 /-</u>	<u>B66D 3 /-</u>		<u>C07D 403 /-</u>
2019452685	2020263911	2020259058	2020271761		2020255100 2020266170 2020274011
<u>B09C 1 /-</u>	<u>B33Y 40 /-</u>	<u>B63B 27 /-</u>	<u>B67D 3 /-</u>		
2020277485	2020263911	2020259058	2020259804		
<u>B22F 3 /-</u>	<u>B33Y 80 /-</u>	<u>B63B 59 /-</u>	<u>B82Y 15 /-</u>	<u>C04B 35 /-</u>	<u>C07D 405 /-</u>
2020263911	2020251713	2020255244	2020269071	2020275746	2020259997 2020274430
<u>B22F 5 /-</u>	<u>B60B 33 /-</u>	<u>B64C 39 /-</u>	<u>B82Y 30 /-</u>	<u>C04B 40 /-</u>	<u>C07D 409 /-</u>
2020312178	2020261321	2020271504	2020264437	2020324260 2020327291	2020274430
<u>B22F 7 /-</u>	<u>B60C 23 /-</u>	<u>B64D 1 /-</u>	<u>B82Y 40 /-</u>	<u>C04B 41 /-</u>	<u>C07D 413 /-</u>
2020251713	2020268481	2020271504 2020273273	2020264437	2020324259 2020327290	2020259997 2020273654 2020274430 2020280924
<u>B23K 26 /-</u>	<u>B60J 7 /-</u>	<u>B65B 25 /-</u>	<u>C01B 25 /-</u>	<u>C07C 213 /-</u>	
2020274050	2020275435 2020279506	2020267614	2019444631	2020265097	<u>C07D 417 /-</u>
<u>B25F 1 /-</u>	<u>B60K 13 /-</u>	<u>B65B 51 /-</u>	<u>C01B 3 /-</u>	<u>C07C 217 /-</u>	2020274430 2020283597 2020289537
2020259248	2020373949	2020267614	2020254025	2020265570	
<u>B25J 18 /-</u>	<u>B60L 5 /-</u>	<u>B65B 7 /-</u>	<u>C01B 32 /-</u>	<u>C07C 219 /-</u>	<u>C07D 471 /-</u>
2020264494	2020291791	2020267614	2020251046 2020264437	2020268343	2020252038 2020252900 2020254882 2020255100 2020257207 2020264679 2020268975 2020270027 2020281802 2020281803 2020281804 2020283597 2020283774 2020285314
<u>B26B 13 /-</u>	<u>B60L 53 /-</u>	<u>B65D 30 /-</u>	<u>C01B 33 /-</u>	<u>C07C 273 /-</u>	
2020259248	2020291791	2020338696	2020272134	2020257620	
<u>B27K 3 /-</u>	<u>B60Q 1 /-</u>	<u>B65D 33 /-</u>	<u>C01F 11 /-</u>	<u>C07C 29 /-</u>	
2020325548	2020287517	2020338696	2020309764	2020291805	
<u>B27N 9 /-</u>	<u>B60R 13 /-</u>	<u>B65D 47 /-</u>	<u>C02F 1 /-</u>	<u>C07C 31 /-</u>	
2020325548	2020273513 2020313995	2020251206	2020277485 2020286118	2020291805	
<u>B29B 17 /-</u>	<u>B60R 21 /-</u>	<u>B65D 75 /-</u>	<u>C02F 101 /-</u>	<u>C07D 207 /-</u>	
2019457152 2020265111 2020267820	2019440386	2020250745 2020338696	2020277485	2020377805	<u>C07D 473 /-</u>
<u>B29C 31 /-</u>	<u>B60T 7 /-</u>	<u>B65D 77 /-</u>	<u>C02F 103 /-</u>	<u>C07D 211 /-</u>	2020255100 2020257207
2019457152	2019440386	2020259804	2020277485	2020274430	
<u>B29C 48 /-</u>	<u>B61D 27 /-</u>	<u>B65D 81 /-</u>	<u>C04B 111 /-</u>	<u>C07D 215 /-</u>	<u>C07D 487 /-</u>
2019457152 2020263599	2020252246 2020252863	2020252246 2020252863	2020324260 2020327291	2020255702	2020255100 2020283597
<u>B29C 64 /-</u>	<u>B61D 3 /-</u>	<u>B65G 1 /-</u>	<u>C04B 16 /-</u>	<u>C07D 217 /-</u>	<u>C07D 498 /-</u>
2020251713	2020336808	2020271780	2020312065	2020259996	2020283774 2020285314
<u>B29D 11 /-</u>	<u>B61D 47 /-</u>	<u>B65G 47 /-</u>	<u>C04B 20 /-</u>	<u>C07D 249 /-</u>	
2020306616	2019448250	2020271780	2020324260 2020327291	2020266170	<u>C07D 513 /-</u>
	2019448250				2020264679

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2020283774	2020266560		<u>C09K 21 /-</u>	<u>C12N 1 /-</u>	2020272330
<u>C07F 9 /-</u>	2020266579	<u>C08J 7 /-</u>			2020274164
	2020266750		2020325426	2020260357	2020279107
2020275818	2020267758	2020250782	2020325548	2020263883	
	2020271123	<u>C08J 9 /-</u>	<u>C09K 8 /-</u>	2020267139	<u>C12R 1 /-</u>
<u>C07H 21 /-</u>	2020272666			2020310820	
	2020275076	2020312065	2019464900	<u>C12N 15 /-</u>	2020260357
2020261071	2020277404				2020263883
	2020414201	<u>C08K 3 /-</u>	<u>C10B 47 /-</u>	2020258007	<u>C22B 11 /-</u>
<u>C07J 1 /-</u>	<u>C07K 16 /-</u>			2020259177	
		2020263599	2020272983	2020260237	2020251706
2020284110	2020258025	2020267861		2020261071	<u>C22B 3 /-</u>
<u>C07J 11 /-</u>	2020259121	2020310383	<u>C10B 49 /-</u>	2020261435	
	2020265142	2020325425		2020262444	2020251706
2020284110	2020266560	<u>C08K 5 /-</u>	2020272983	2020262490	
	2020266841			2020263474	<u>C22C 1 /-</u>
<u>C07J 13 /-</u>	2020267131	2020265570	<u>C10B 53 /-</u>	2020265110	
	2020267758			2020266579	2020312178
2020284110	2020268442	<u>C08K 7 /-</u>	2020272983	2020269398	
	2020271123		<u>C10B 7 /-</u>	2020270686	<u>C22C 29 /-</u>
<u>C07J 17 /-</u>	2020272666	2020263599		2020270834	
	2020272944	2020310383	2020272983	2020272047	2020312178
2020284110	2020273246	2020325425		2020272330	
	2020275415	<u>C08L 19 /-</u>	<u>C10L 1 /-</u>	2020274200	<u>D01D 5 /-</u>
<u>C07J 21 /-</u>	2020277489			2020276243	
	2020283817	2020311533	2019446898	2020278906	2020263599
2020284110	2020286968		<u>C10L 10 /-</u>	2020301236	<u>D01F 2 /-</u>
<u>C07J 31 /-</u>	<u>C07K 7 /-</u>	<u>C08L 95 /-</u>		2020414201	
			2019446898	<u>C12N 5 /-</u>	2020290583
2020284110	2020263959	2020267820	2020265570		<u>D01F 4 /-</u>
<u>C07J 41 /-</u>	2020266294	<u>C09C 1 /-</u>	<u>C10L 5 /-</u>	2020252248	
	2020270124			2020259248	2020290583
2020284110	2020278178	2020263600	2020272983	2020260237	
	<u>C08B 37 /-</u>	<u>C09D 1 /-</u>	<u>C10M 135 /-</u>	2020266841	<u>D01F 6 /-</u>
<u>C07J 43 /-</u>				2020270686	
	2020264453	2020310383	2020261438	2020272330	2020264503
2020284110				2020272944	
<u>C07J 5 /-</u>	<u>C08F 2 /-</u>	<u>C09D 133 /-</u>	<u>C10M 139 /-</u>	2020277404	<u>D01F 9 /-</u>
				<u>C12N 9 /-</u>	2020264503
2020284110	2020265570	2020266741	2020265570		
<u>C07J 51 /-</u>	<u>C08F 220 /-</u>	2020267861	<u>C10M 169 /-</u>	2020258007	<u>D02G 3 /-</u>
		2020269271		2020262490	
2020284110	2020267861	<u>C09D 175 /-</u>	2020261438	<u>C12P 13 /-</u>	2020245599
	<u>C08G 18 /-</u>				2020282482
<u>C07J 7 /-</u>		2020266741	<u>C11B 5 /-</u>	2020414201	<u>D03D 15 /-</u>
	2020269917	2020269917		<u>C12P 21 /-</u>	
2020284110	2020325425	<u>C09D 5 /-</u>	2019446898		2020245599
	<u>C08G 65 /-</u>		<u>C11C 3 /-</u>	2020261071	2020268168
<u>C07J 71 /-</u>		2020266741		<u>C12P 7 /-</u>	<u>D06P 1 /-</u>
	2020269271	2020309133	2020268343		
2020284110	<u>C08G 69 /-</u>	2020310383	<u>C11D 1 /-</u>	2020260357	2020268168
<u>C07J 9 /-</u>		<u>C09D 7 /-</u>		2020262490	<u>D21C 1 /-</u>
	2020263474		2020277383	2020267139	
2020284110	2020265111	2020266741	<u>C11D 3 /-</u>	2020310820	2020263600
<u>C07K 1 /-</u>		2020269271		<u>C12Q 1 /-</u>	<u>D21H 17 /-</u>
	<u>C08G 77 /-</u>	2020310383	2020277383		
2020266294		<u>C09J 11 /-</u>		2020257982	2020258071
2020268087	2020269917		<u>C12M 1 /-</u>	2020259177	
2020270124		2020269271		2020260998	<u>D21H 19 /-</u>
<u>C07K 14 /-</u>	<u>C08J 11 /-</u>	2020269271	2020267743	2020262082	
		<u>C09K 15 /-</u>		2020266136	2020258071
2020258007	2020265111		<u>C12M 3 /-</u>	2020267365	
2020260237	<u>C08J 3 /-</u>	2020265570		2020268107	<u>D21H 21 /-</u>
2020261071			2020273625	2020268861	
2020261435	2020265111			2020269377	2020258071
2020265741	2020267820			2020270686	
2020266012				2020271853	

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<u>E01C 7 /-</u>	<u>E21B 17 /-</u>	<u>F16B 9 /-</u>	<u>F25C 5 /-</u>	2020250804 2020273137 2020274035	<u>G01W 1 /-</u>
2020267820	2019452685 2020264494 2020290668	2020280115	2020252246		2019448524 2020372283
<u>E02D 17 /-</u>		<u>F16D 65 /-</u>	<u>F25D 3 /-</u>	<u>G01N 27 /-</u>	<u>G02B 27 /-</u>
2019439324 2019444153	<u>E21B 23 /-</u>	2020261011	2020252246	2019445710 2020273137	2020252213 2020266256
<u>E02D 19 /-</u>	2020337778	<u>F16J 9 /-</u>	<u>F25J 1 /-</u>	<u>G01N 31 /-</u>	<u>G02B 6 /-</u>
2019439324	<u>E21B 33 /-</u>	2020251315	2019448524 2020265223	2020274035	2020266256
<u>E02D 29 /-</u>	2019457396 2019464900 2020265522 2020337778	<u>F16K 11 /-</u>	<u>F25J 5 /-</u>	<u>G01N 33 /-</u>	<u>G02C 3 /-</u>
2019439324		2020255343	2019448524	2019445710 2020258869 2020259248 2020265142 2020266012 2020266750 2020267482 2020268087 2020268107 2020269071 2020270834 2020273137 2020275076 2020283534 2020304355	2019440149
<u>E02F 3 /-</u>	<u>E21B 34 /-</u>	<u>F16K 21 /-</u>	<u>F26B 25 /-</u>	<u>G03B 17 /-</u>	<u>G03B 17 /-</u>
2020285935	2020261011 2020265522 2020337778	2020259804	2019450892	2020261425	
<u>E02F 9 /-</u>		<u>F16K 3 /-</u>	<u>F26B 7 /-</u>	<u>G05B 13 /-</u>	
2020260070	<u>E21B 37 /-</u>	2020255343 2020259804	2019450892	2020304331	
<u>E04B 1 /-</u>	2019452685	<u>F16K 31 /-</u>	<u>F28B 1 /-</u>	<u>G05B 15 /-</u>	
2019441382	<u>E21B 43 /-</u>	2020259804	2020251514	2020270167	
<u>E04C 2 /-</u>	2020278435	<u>F16K 7 /-</u>	<u>F28B 9 /-</u>	<u>G05B 19 /-</u>	
2020314758	<u>E21B 47 /-</u>	2020255343	2020251514	2020264460 2020270167	
<u>E04F 13 /-</u>	2019466267 2020265418	<u>F16L 1 /-</u>	<u>F28D 1 /-</u>	<u>G01N 9 /-</u>	
2020314758		2020264494 2020278435	2020251514	2019466267	<u>G05B 23 /-</u>
<u>E04G 11 /-</u>	<u>E21B 49 /-</u>	<u>F16L 3 /-</u>	<u>F28F 21 /-</u>	<u>G01R 19 /-</u>	2019448524
2020265450	2019466267	2020264494	2020251713	2019440423	<u>G05D 1 /-</u>
<u>E04H 4 /-</u>	<u>E21D 9 /-</u>	<u>F16L 57 /-</u>	<u>F41A 9 /-</u>	<u>G01R 33 /-</u>	2019438843 2019440282 2020254819 2020264436 2020287517 2020291791
2020263235	2020282990	2020264494	2020280673	2020264065 2020270393	
<u>E04H 9 /-</u>	<u>F01N 1 /-</u>	<u>F16M 11 /-</u>	<u>G01C 3 /-</u>	<u>G01S 13 /-</u>	
2020266483	2020373949	2020265418	2020255687	2020262428	<u>G05D 3 /-</u>
<u>E05B 19 /-</u>	<u>F01N 13 /-</u>	<u>F17D 5 /-</u>	<u>G01D 21 /-</u>	<u>G01S 15 /-</u>	2020254819
2020264816	2020373949	2019444713	2019444713	2020255687	<u>G06E 1 /-</u>
<u>E05B 47 /-</u>	<u>F02B 47 /-</u>	<u>F24C 15 /-</u>	<u>G01F 23 /-</u>	<u>G01S 17 /-</u>	2020254687
2020264816	2019446898	2020266966	2020268870	2020255687 2020256813 2021246614	<u>G06F 1 /-</u>
<u>E05D 15 /-</u>	<u>F02F 3 /-</u>	<u>F24C 7 /-</u>	<u>G01G 19 /-</u>	<u>G01S 5 /-</u>	2020253306
2020276656	2020251315	2020314593	2020268870	2020279221	<u>G06F 11 /-</u>
<u>E05D 5 /-</u>	<u>F02M 25 /-</u>	<u>F24F 11 /-</u>	<u>G01G 23 /-</u>	<u>G01S 7 /-</u>	2020279774
2020276656	2019446898	2020265402 2020270167	2020268870	2020268718	<u>G06F 12 /-</u>
<u>E06B 9 /-</u>	<u>F04B 13 /-</u>	<u>F24F 110 /-</u>	<u>G01J 3 /-</u>	<u>G01T 1 /-</u>	2020268729
2020234661 2020252376	2020257620	2020265402	2019230450	2020255687 2020256211	<u>G06F 16 /-</u>
<u>E21B 10 /-</u>	<u>F16B 12 /-</u>	<u>F24F 9 /-</u>	<u>G01N 1 /-</u>	<u>G01V 3 /-</u>	2020251747 2020256690 2020266172 2020269378 2020270417
2020290668	2020268574	2020265402	2020259248	2019466267	
	<u>F16B 2 /-</u>	2020265402	<u>G01N 21 /-</u>		
	2020280115		2019444713		

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	2020372283		2020260673		
2020247835	2020416827	2019441337	<u>H02G 1 /-</u>	<u>H04B 10 /-</u>	2019441337
2020268729		<u>G09G 3 /-</u>		2020276271	<u>H04R 5 /-</u>
2020286118			2020264494		
	2020256690	2019441337	2020271504	<u>H04B 17 /-</u>	2019441337
<u>G06F 3 /-</u>	2020256856				
		<u>G10D 3 /-</u>	<u>H02G 7 /-</u>	2020283409	<u>H04W 12 /-</u>
2019440651					
2019440748	<u>G06Q 30 /-</u>	2020273954	2020271504	<u>H04B 7 /-</u>	2020264724
2019457052					2020286118
2020251021	2019443793	<u>G10L 15 /-</u>	<u>H02G 9 /-</u>	2020283409	
2020270167	2020256690				<u>H04W 24 /-</u>
2020270428		2020251021	2020264494	<u>H04L 1 /-</u>	
2020279046	<u>G06Q 50 /-</u>				2020274610
2020282362		<u>G16B 20 /-</u>	<u>H02H 9 /-</u>	2019438745	
	2019230450			2020264459	<u>H04W 36 /-</u>
	2020253564	2020260998	2019440423	2020274610	
<u>G06F 30 /-</u>	2020256690	2020262082			2020265942
	2020276493	2020279107	<u>H02J 13 /-</u>	<u>H04L 12 /-</u>	2020283387
2020253564	2020278972				
	2020313091	<u>G16B 40 /-</u>	2019440423	2020256856	<u>H04W 4 /-</u>
<u>G06F 40 /-</u>					
	<u>G06T 7 /-</u>	2020260998	<u>H02K 1 /-</u>	<u>H04L 29 /-</u>	2020253306
2019457052					2020256690
2020278972	2020264436	<u>G16H 20 /-</u>	2019269562	2019446557	2020256856
2020335015	2020270428			2020264724	
	2020271905	2020264799	<u>H02K 21 /-</u>	2020268729	<u>H04W 52 /-</u>
<u>G06F 8 /-</u>		2020269231		2020274472	
	<u>G06T 9 /-</u>		2019269562		2020253306
2020266172		<u>G16H 50 /-</u>		<u>H04L 5 /-</u>	2020283387
2020279774	2021248462		<u>H02K 33 /-</u>		2020285654
		2020255759		2020283409	
<u>G06F 9 /-</u>	<u>G07C 9 /-</u>	2020264799	2020251026	2020284233	<u>H04W 64 /-</u>
2020267509	2020253306	<u>G21K 1 /-</u>	<u>H02K 9 /-</u>	<u>H04L 9 /-</u>	2020279221
2020268145					
2020270325	<u>G07F 17 /-</u>	2020258593	2019269562	2020247835	<u>H04W 72 /-</u>
2020286118		2020260204		2020268729	
	2020254771		<u>H02S 10 /-</u>		2019442572
<u>G06K 19 /-</u>		<u>H01F 27 /-</u>	2020271115	<u>H04M 1 /-</u>	2020255993
					2020284233
2020274987	2020262294	2020263862	<u>H02S 20 /-</u>	2020253306	
	2020281593			2020282362	<u>H04W 76 /-</u>
<u>G06K 7 /-</u>	2020299267	<u>H01F 41 /-</u>	2020256742		
				<u>H04N 11 /-</u>	2020264724
2020262428		2020263862	<u>H02S 30 /-</u>		
	<u>G08B 21 /-</u>			2020437690	<u>H04W 84 /-</u>
<u>G06K 9 /-</u>		<u>H01G 11 /-</u>	2020271115		
	2020262294			<u>H04N 19 /-</u>	2020253306
2020264436		2020251046	<u>H02S 40 /-</u>		
2020264481	<u>G08B 25 /-</u>			2020261145	<u>H04W 88 /-</u>
2020268854		<u>H01M 10 /-</u>	2020271115	2020267769	
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2020271905		2020255674	<u>H03F 1 /-</u>	2020438625	
2020279921	<u>G08B 29 /-</u>			2021246614	<u>H04W 92 /-</u>
2020283912		<u>H01M 4 /-</u>	2020276271	2021246616	
2021246616	2020299267			2021246917	2020270167
		2020251046	<u>H03F 3 /-</u>	2021249220	
<u>G06N 10 /-</u>	<u>G08G 1 /-</u>			2021252497	<u>H05B 6 /-</u>
		<u>H01M 50 /-</u>	2020276271		2020313207
2020253878	2020268854			<u>H04N 21 /-</u>	
		2020272134	<u>H03F 99 /-</u>		
<u>G06N 20 /-</u>	<u>G09B 23 /-</u>			2020267769	
		<u>H01M 8 /-</u>	2020276271	2020276576	
2020313091	2020264452				
2020313995		2020254025	<u>H03M 7 /-</u>	<u>H04N 5 /-</u>	
	<u>G09B 9 /-</u>				
<u>G06Q 10 /-</u>		<u>H01R 12 /-</u>	2021248462	2020261425	
	2020264452				
2019443793		2020314327	<u>H04B 1 /-</u>	<u>H04N 7 /-</u>	
2020253564	<u>G09F 13 /-</u>				
2020268870			2020276271	2020437690	
2020276493	2019440257				

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 (51) Int. Cl.
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 (51) Int. Cl.
B44C 5/04 (2006.01)
B41M 5/00 (2006.01)
B41M 7/00 (2006.01)
 (87) WO2019/149519
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A61P 35/00 (2006.01)
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C12N 5/10 (2006.01)
C12N 9/02 (2006.01)
C12N 15/113 (2010.01)
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G05D 1/00 (2006.01)
G05D 1/02 (2006.01)
G05D 1/12 (2006.01)
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H04W 4/46 (2018.01)
G06F 17/00 (2019.01)
H04W 4/44 (2018.01)
H04W 88/06 (2009.01)
 (31) 16/719,095 (32) 18.12.19 (33) US
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 (54) SPINAL IMPLANT STRUCTURE
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A61B 17/70 (2006.01)
A61F 2/28 (2006.01)
A61F 2/44 (2006.01)
A61F 2/46 (2006.01)
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B60N 2/433 (2006.01)
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 (21) 2019248528 (22) 28.03.2019
 (54) Minimally invasive displacement osteotomy system and method
 (51) Int. Cl.
A61B 17/17 (2006.01)
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Xuzhou Goldfluid Hydraulic Technology Development Co., Ltd. see China University of Mining and Technology
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(71) Zebra Technologies Corporation
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G06K 7/10 (2006.01)
G02B 26/10 (2006.01)
G03B 15/05 (2021.01)
G06K 7/14 (2006.01)
G06K 19/06 (2006.01)
H04N 1/024 (2006.01)
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VINOGRADOV, Igor; DRZYMALA,
Mark; BARKAN, Edward; HANDSHAW,
Darran Michael
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(11) AU-B-2020289755
(21) 2020289755 (22) 15.12.2020
(54) Systems and methods for rendering &
pre-encoded load estimation based en-
coder hinting
(51) Int. Cl.
H04N 19/56 (2014.01)
H04N 19/17 (2014.01)
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H04N 19/46 (2014.01)
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A61B 17/80 (2006.01)
A61B 17/82 (2006.01)
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Saddy
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2015281729	National Research Council of Canada (NRC)	2017272753	Kao Corporation
2015292822	Unchained Labs	2017277070	Alethia Life Sciences AG
2015306683	Aimmune Therapeutics, Inc.	2017277331	Star Array Pte Ltd
2015328411	Dana-Farber Cancer Institute, Inc.	2017278398	BASF SE
2015329957	Phico Therapeutics Ltd	2017278816	Moocall Limited
2015331353	JX Nippon Oil & Energy Corporation	2017283277	Capretto Ehf.
2015336069	Astute Medical, Inc.	2017286777	Southern Implants (Pty) Ltd
2015411860	Synaptive Medical Inc.	2017290253	Armstrong World Industries, Inc.
2016200603	Schneider Electric Industries SAS	2017290785	The Board of Regents of The University of Texas System
2016201360	Kinabalu Investments Pty Ltd	2017291886	Bayer CropScience Aktiengesellschaft
2016203396	CGG Services SA	2017299061	Schülke & Mayr GmbH
2016208408	Perry, G.; Perry, J.	2017305628	Independence Oilfield Chemicals LLC
2016208989	Royal Bank of Canada	2017321575	NTT DOCOMO, INC.
2016211280	Momenta Pharmaceuticals, Inc.	2017324102	Fritz Ruck Ophthalmologische Systeme GmbH
2016215350	Chiasma Inc.	2017324192	Karl Leibinger Medizintechnik GmbH & Co. KG
2016218759	Gmax Biopharm LLC.	2017336889	Equinox Sciences, LLC
2016220088	Iowa State University Research Foundation, Inc.	2017342228	CRYOVAC, LLC
2016226098	Genzyme Corporation	2017344901	Martinswerk GmbH
2016231931	BAE Systems PLC	2017350853	The United States of America, as represented by the Secretary of Agriculture; Los Alamos National Security, LLC
2016238931	Caterpillar Global Mining LLC	2017353293	Verisure Sàrl
2016244143	Eaton Intelligent Power Limited	2017354540	Boskein Nutrition Limited
2016257196	VCN Biosciences SL	2017357910	Qualcomm Incorporated
2016259453	S & M Trading Pty Ltd	2017370288	Asahi Group Holdings, Ltd.; Asahi Breweries, Ltd.
2016281667	Iowa Corn Promotion Board	2017370805	Microbase Technology Corp.
2016287731	Emerald Cloud Lab, Inc.	2017376629	Ariad Pharmaceuticals, Inc.
2016289742	Woodwelding AG	2017380581	De Beers UK Limited
2016290848	World Golf Systems Limited	2017395733	Microsoft Technology Licensing, LLC
201629832	Essilor International	2017396531	Microsoft Technology Licensing, LLC
2016302401	Eupharma Pty Ltd	2018201549	Tadano Mantis Corporation
2016305256	Sika Technology AG	2018209175	Forrest, M.
2016306542	Maher, J.	2018213020	Microsoft Technology Licensing, LLC
2016312965	Commonwealth Scientific and Industrial Research Organisation	2018217439	Oncology Research International Limited
2016316984	Oxford University Innovation Limited	2018218521	Oblique Therapeutics AB
2016320551	Oxford University Innovation Limited	2018232799	OP2 Drugs; Centre Hospitalier Universitaire de Bordeaux; INSERM (Institut National de la Santé et de la Recherche Médicale); Université de Bordeaux
2016321801	Fatro S.p.A.	2018233536	Brooklyn Fitboxing International, S.L.
2016325427	Lockheed Martin Corporation	2018266138	El-Dweik, M.
2016325627	Lacriscience, LLC	2018266759	CNH Industrial Belgium NV
2016326441	Vertex Pharmaceuticals (Europe) Limited	2018276243	UCB Biopharma SPRL
2016330005	De La Rue International Limited	2018279332	Thumbar, R.
2016346689	Kabushiki Kaisha Yakult Honsha	2018292398	Limit, Inc.
2016352070	Aer Beatha Limited	2018292927	Riken; National Institutes for Quantum and Radiological Science and Technology
2016353955	Clecim SAS	2018293081	Otsuka Pharmaceutical Co., Ltd.
2016361304	Boehringer Ingelheim Animal Health USA Inc.	2018293502	GetHelp, Inc.
2016368696	Ontario Institute for Cancer Research (OICR)	2018306939	Vail Systems, Inc.
2016371376	Makro Labelling S.r.l.	2018316850	Israel Aerospace Industries Ltd.
2016372332	Rheinmetall Waffe Munition GmbH	2018336150	Lantech.com, LLC
2016378478	AspiAir GmbH	2018341959	Eli Lilly and Company
2016409039	Halliburton Energy Services, Inc.	2018359719	Stalicia SA
2016416176	Qualcomm Incorporated	2018367808	Comrod AS
2016426405	Huawei Technologies Co., Ltd	2018368577	Telefonaktiebolaget LM Ericsson (publ)
2017206723	Bioness Inc.	2018371136	Valorex
2017207496	DePuy Synthes Products, Inc.	2018375768	InterDigital Patent Holdings, Inc.
2017208069	TVA Medical, Inc.	2018391965	Symbol Technologies, LLC
2017210218	National Oilwell DHT, L.P.	2018395523	PayPal, Inc.
2017214401	Laitram, L.L.C.	2018396965	Huawei Technologies Co., Ltd.
2017216248	Global Software Innovation Pty Ltd	2018415249	The Procter & Gamble Company
2017218801	Sun Pharmaceutical Industries Ltd.	2018442118	CooperVision International Limited
2017222445	Colborn, J.C.	2018447240	Tarapeutics Science Inc.
2017230716	ConocoPhillips Company	2019204045	The Scripps Research Institute
2017232524	ISP Investments LLC	2019204108	Sterna Biologicals GmbH & Co. KG
2017236326	Faiveley Transport Amiens	2019204982	Oregon Health & Science University
2017249487	Equinor Energy AS	2019211351	Hexion Inc.
2017256948	Lucobit AG		
2017257423	Industrie de Nora, S.p.A.		
2017259177	RTE Réseau de Transport d'Électricité		
2017264800	Digital Orthodontic Solutions Ltd		
2017264964	MSI Coatings Inc.		

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2019213751	Biocompatibles UK Limited	2020201646	Werner Co.
2019214803	Agfa NV	2020201890	GIMENEZ VERGARA, P.
2019216655	FUJIFILM Medical Systems USA Inc.	2020201891	MasterCard International Incorporated
2019218185	Shanxi Zhendong Ante Biopharmaceutical Co., Ltd	2020201920	Dejero Labs Inc.
2019224855	LG Electronics Inc.	2020202161	Ab Initio Technology LLC
2019228526	NxStage Medical, Inc.	2020202803	LS Cable & System Ltd.
2019229130	Shenzhen Ionova Life Science Co., Ltd.; Foshan Ionova Biotherapeutics Co., Inc.	2020202997	Advanced New Technologies Co., Ltd.
2019232900	Tata Consulting Limited	2020203031	Ranpak Corp.
2019236749	La Jolla Pharma, LLC	2020203309	Concert Pharmaceuticals Inc.
2019237923	NIKE Innovate C.V.	2020203763	Laminar Medica Limited
2019240602	Novomatic AG	2020203817	Apple Inc.
2019240681	Forge Nano, Inc.	2020203855	Dyno Nobel Inc.
2019245325	IDEXX Laboratories, Inc.	2020203971	Immatics Biotechnologies GmbH
2019246899	Aristocrat Technologies Australia Pty Limited	2020203973	Weatherford Technology Holdings, LLC
2019248441	Citrix Systems, Inc.	2020204003	Inolex Investment Corporation
2019248528	Wright Medical Technology, Inc.	2020204278	Apple Inc.
2019250156	Ionis Pharmaceuticals, Inc.	2020204601	SWIMC LLC
2019250198	Niagara Bottling, LLC	2020205301	Tata Consultancy Services Limited
2019251695	thyssenkrupp Industrial Solutions AG; ThyssenKrupp AG	2020210287	Microsoft Technology Licensing, LLC
2019253780	Anji Pharma (US) LLC	2020210299	Channel Medsystems, Inc.
2019253837	GE HEALTHCARE LIMITED	2020211652	Lufthansa Technik AG
2019253886	Mallinckrodt Hospital Products IP Limited	2020213282	NUEVOLUTION A/S
2019257386	Ventis Pharma	2020213415	Magnolia Medical Technologies, Inc.
2019260137	Jiangsu New Chunxing Resource Recycling Co. Ltd	2020220038	Immatics Biotechnologies GmbH
2019261751	Sanofi Biotechnology; Regeneron Pharmaceuticals, Inc.	2020220040	Immatics Biotechnologies GmbH
2019262942	PureWick Corporation	2020220041	Immatics Biotechnologies GmbH
2019264578	SDB IP Holdings, LLC	2020220042	Immatics Biotechnologies GmbH
2019264624	Gilead Pharmasset LLC	2020220043	Immatics Biotechnologies GmbH
2019265356	Pitco Frialator, Inc.	2020220044	Immatics Biotechnologies GmbH
2019268143	Aristocrat Technologies Australia Pty Limited	2020220045	Immatics Biotechnologies GmbH
2019272051	W. L. Gore & Associates, Inc	2020220072	Immatics Biotechnologies GmbH
2019275619	ImmunoGen, Inc.	2020230322	Ball Corporation
2019279961	Amgen Inc.	2020233633	Angel Group Co., Ltd.
2019282529	Medtronic Navigation, Inc.	2020233666	Angel Group Co., Ltd.
2019283816	The Cincinnati Mine Machinery Company	2020233667	Angel Group Co., Ltd.
2019283937	Smith & Nephew plc	2020233774	Biomerica, Inc.
2019284012	Cambricon Technologies Corporation Limited	2020237499	Airtime Network, Inc.
2019284469	Boston Scientific Scimed, Inc.	2020239781	GuangDong Newdermo Biotech Co.,Ltd
2019289960	Borealis AG	2020242905	Primetals Technologies Austria GmbH
2019293951	ERS Gx Holding Pte Ltd	2020244547	Galil Medical Inc.
2019297425	Moshun, LLC	2020244566	NxStage Medical, Inc.
2019299864	Nuctech Company Limited	2020244567	NxStage Medical, Inc.
2019301724	Bendix Commercial Vehicle Systems LLC	2020247540	Greentec International Limited
2019301866	Klüber Lubrication München SE & Co. KG	2020251261	Daikin Industries, Ltd.
2019304910	Raytheon Company	2020255663	Daikin Industries, Ltd.
2019309777	Motorola Solutions, Inc.	2020264273	WILTROM CO., LTD.
2019320956	Alipay (Hangzhou) Information Technology Co., Ltd.	2020265650	Alarm.com Incorporated
2019320995	Stick Tech Oy	2020267150	Imprenditore Pty Limited
2019326297	Huckvale, D.	2020267672	HGCI, Inc.
2019326406	The General Hospital Corporation	2020270453	Colgate-Palmolive Company
2019331941	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	2020273370	Google LLC
2019336404	Shanghai Sipoo New Technology Co., Ltd.	2020286190	Dansons US, LLC
2019393829	Intex Holdings Pty Ltd	2020289755	ZeniMax Media Inc.
2019395238	China University of Mining and Technology; Xuzhou Goldfluid Hydraulic Technology Development Co., Ltd.	2020289756	ZeniMax Media Inc.
2019401234	Zimmer Biomet Cmf and Thoracic, LLC	2020289779	Westinghouse Air Brake Technologies Corporation
2019422009	Intuit Inc.	2020294217	SenseTime International Pte. Ltd.
2019429000	China University of Mining and Technology	2020308334	Zebra Technologies Corporation
2020200164	Wonderland Switzerland AG	2020435662	Citrix Systems, Inc.
2020200165	Children's Medical Center Corporation	2021200207	SurflinWavetrak, Inc.
2020200380	MasterCard International Incorporated	2021200334	CATS TONOMETER, LLC
2020200598	Becton, Dickinson and Company	2021202450	Niantic, Inc.
2020200750	Implantica Patent Ltd	2021232755	Plantic Technologies Limited
2020200885	Bass Morris Pty Ltd	2021257893	Norwood Industries Inc.
2020200989	Waymo LLC	2021257918	Signature Orthopaedics Europe Ltd
2020201008	TRACTO-TECHNIK GmbH & Co. KG		
2020201184	Kala Pharmaceuticals, Inc		
2020201507	Bayer CropScience NV; Bayer CropScience LP		
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2017283277	<u>A45B 23 /-</u>	2019284469	2019264624	2019257386	2016215350
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2017222445	B05B 11 /-	2020211652	2017342228	2017278398	C07D 413 /-
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2018233536	2017380581	B33Y 10 /-	B65D 81 /-	C07C 309 /-	C07D 417 /-
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2016290848	2016353955	B41M 5 /-	2020203763	C07D 215 /-	2018232799
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2018233536	B25J 9 /-	B44C 5 /-	B65G 47 /-	C07D 233 /-	2020213282
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2019393829	2019272051	2017236326	2020201890	2017291886	C07H 21 /-
B01D 43 /-	B29C 65 /-	B63C 11 /-	B66F 3 /-	C07D 277 /-	2019250156
2020213415	2016289742	2017222445	2020201890	2018447240	C07J 71 /-
B01D 71 /-	2017342228	B65B 11 /-	B66F 7 /-	C07D 401 /-	2018217439
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B01J 2 /-	B29C 67 /-	2018336150	B66F 9 /-	2018218521	2016257196
2017324192	2016325427	B65B 31 /-	2020201890	2018293081	2016320551
B01L 3 /-	B29C 73 /-	2017342228	B67D 1 /-	2020213282	2017350853
2017277331	2016305256	2017342228	2017370288	C07D 403 /-	2020200165
2019245325	B29D 11 /-	B65B 41 /-	B67D 7 /-	2017336889	2020201507
2020213415	2016299832	2018336150	2016208408	2017376629	2020203971
B01L 7 /-	B29D 30 /-	B65B 55 /-	C01F 11 /-	2018209175	2020220072
2017277331	2016305256	2017342228	2017324192	2018293081	C07K 16 /-
B01L 9 /-				2020213282	2015281729
2017277331				C07D 405 /-	2015328411
				2018293081	2016211280
					2016226098
					2018341959

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2019261751	<u>C09D 135 /-</u>	<u>C12N 15 /-</u>	<u>C40B 40 /-</u>	<u>E04H 15 /-</u>	2019304910
<u>C07K 19 /-</u>	2020204601	2015281729	2016368696	2019326297	<u>F17D 1 /-</u>
2020200165	<u>C09D 143 /-</u>	2015331353	<u>D01F 1 /-</u>	<u>E05F 3 /-</u>	2018391965
<u>C07K 7 /-</u>	2020204601	2016220088	2020239781	2019297425	<u>F21K 9 /-</u>
2020200165	<u>C09D 4 /-</u>	2016320551	<u>D01F 8 /-</u>	<u>E06C 1 /-</u>	2020267672
2020220038	2020204601	2016346689	2020239781	2020201646	<u>F24F 11 /-</u>
2020220040	<u>C09D 5 /-</u>	2019204982	<u>D06F 37 /-</u>	<u>E21B 10 /-</u>	2020255663
2020220041	2017290253	2019250156	2019224855	2017210218	<u>F24F 6 /-</u>
2020220042	2020204601	2020201507	<u>D06L 1 /-</u>	<u>E21B 17 /-</u>	2019393829
2020220043	<u>C09J 161 /-</u>	2020213415	2017272753	2016409039	<u>F25D 3 /-</u>
2020220044	2019211351	2020220038	<u>E01F 15 /-</u>	<u>E21B 19 /-</u>	2020203763
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<u>C08F 2 /-</u>	2019211351	2020220041	<u>E02D 27 /-</u>	2020201008	2020242905
2017264964	<u>C09K 8 /-</u>	2020220042	2018367808	<u>E21B 3 /-</u>	<u>F28F 7 /-</u>
<u>C08F 218 /-</u>	2017305628	2020220044	<u>E02F 3 /-</u>	2018201549	2016325427
2020204601	<u>C10M 169 /-</u>	2020220045	2016238931	<u>E21B 34 /-</u>	<u>F28F 9 /-</u>
<u>C08F 222 /-</u>	2019301866	2020220041	<u>E02F 9 /-</u>	2020203973	2016325427
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<u>C08J 3 /-</u>	2019301866	2020220043	<u>E03D 1 /-</u>	2017249487	2016372332
2017264964	<u>C10N 20 /-</u>	2020220044	2019264578	<u>E21B 7 /-</u>	<u>F42D 3 /-</u>
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<u>C08K 3 /-</u>	<u>C10N 30 /-</u>	<u>C12N 7 /-</u>	2018292398	2018367808	<u>F42D 5 /-</u>
2017344901	2019301866	2015329957	<u>E03D 3 /-</u>	<u>F03B 13 /-</u>	<u>F42D 5 /-</u>
2020204601	<u>C10N 40 /-</u>	2016257196	2018292398	2018279332	2020203855
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2019289960	<u>C10N 40 /-</u>	<u>C12Q 1 /-</u>	<u>E04B 1 /-</u>	<u>F16D 59 /-</u>	<u>G01F 23 /-</u>
<u>C08L 3 /-</u>	2019301866	2015331353	2017256948	2017236326	2018292398
2021232755	<u>C10N 50 /-</u>	<u>C12Q 1 /-</u>	<u>E04B 2 /-</u>	<u>F16K 11 /-</u>	<u>G01H 9 /-</u>
<u>C08L 31 /-</u>	2019301866	2015328411	2017256948	2019301724	2017230716
2017344901	<u>C11D 1 /-</u>	2016281667	<u>E04G 1 /-</u>	<u>F16K 31 /-</u>	<u>G01N 21 /-</u>
<u>C08L 67 /-</u>	2017272753	2016346689	2016306542	2019301724	2016325627
2017324192	<u>C11D 17 /-</u>	2016368696	<u>E04G 5 /-</u>	2019301724	2019218185
<u>C08L 97 /-</u>	2017272753	2019204045	2016306542	<u>F16L 1 /-</u>	<u>G01N 24 /-</u>
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<u>C09C 1 /-</u>	<u>C11D 3 /-</u>	<u>C21B 13 /-</u>	<u>E04H 12 /-</u>	<u>F16L 3 /-</u>	<u>G01N 29 /-</u>
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<u>C09D 133 /-</u>	<u>C11D 3 /-</u>	2019260137			
2020204601	2017272753	<u>C25C 7 /-</u>			
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	<u>C12M 1 /-</u>	<u>C40B 30 /-</u>			
	2020213415	2016368696			
	<u>C12N 1 /-</u>				
	2015281729				
	2015331353				

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<u>G01N 31 /-</u>	2020200989	<u>G06N 3 /-</u>	2018306939	<u>H02G 3 /-</u>	<u>H04N 7 /-</u>
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<u>G01N 33 /-</u>	2019336404	2020205301	2020204278	<u>H02H 3 /-</u>	2020265650
2015292822	<u>G06F 11 /-</u>	<u>G06N 5 /-</u>	<u>G16B 20 /-</u>	2020247540	<u>H04W 28 /-</u>
2015328411	2019284012	2016287731	2019204045	<u>H02H 5 /-</u>	2017321575
2015336069	2019320956	<u>G06N 7 /-</u>	<u>H01B 1 /-</u>	2020247540	2020201920
2016211280	2020202161	2020205301	2020202803	<u>H02J 3 /-</u>	<u>H04W 4 /-</u>
2016368696	<u>G06F 15 /-</u>	<u>G06Q 10 /-</u>	<u>H01B 11 /-</u>	2017259177	2018396965
2018266138	2018395523	2018266759	2020202803	<u>H02J 7 /-</u>	2020289779
2019204108	<u>G06F 16 /-</u>	2018293502	<u>H01B 17 /-</u>	2018233536	<u>H04W 52 /-</u>
2019245325	2017216248	2020267150	2020202803	<u>H02K 9 /-</u>	2018375768
2019253886	2019422009	<u>G06Q 20 /-</u>	2020202803	2019331941	2019309777
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<u>G01N 35 /-</u>	2019253837	2020201891	2020201891	2020201920	
2019245325	2020267150	2020237499	<u>H01B 7 /-</u>	2019309777	<u>H04W 8 /-</u>
<u>G01R 1 /-</u>	2020289779	<u>G06Q 50 /-</u>	2020202803	<u>H04L 1 /-</u>	<u>H04W 84 /-</u>
2016200603	<u>G06F 21 /-</u>	2016208408	<u>H01B 9 /-</u>	2016416176	2020202997
<u>G01R 19 /-</u>	2017395733	2018266759	2020202803	2018368577	<u>H04W 88 /-</u>
2016244143	2017396531	<u>G06T 15 /-</u>	<u>H01L 39 /-</u>	<u>H04L 12 /-</u>	2018233536
<u>G01R 33 /-</u>	2018213020	2019216655	2015411860	2016208989	<u>H04W 88 /-</u>
2015411860	2019320956	<u>G06T 7 /-</u>	<u>H01L 41 /-</u>	2018395523	2020289779
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<u>G01V 3 /-</u>	2020203817	2018391965	<u>H01L 51 /-</u>	2020255663	<u>H05B 33 /-</u>
2016203396	2020204278	2020205301	2016316984	2020267150	2020267672
2016312965	2020210287	2020233633	<u>H01M 10 /-</u>	<u>H04L 29 /-</u>	<u>H05K 7 /-</u>
<u>G01V 5 /-</u>	2020273370	2020233666	2019240681	2018233536	2019293951
2019299864	<u>G06F 8 /-</u>	2020233667	2019260137	2018395523	2019304910
<u>G02B 26 /-</u>	2019284012	2021200207	<u>H01M 6 /-</u>	2019248441	
2020308334	<u>G06F 9 /-</u>	<u>G07C 11 /-</u>	<u>H01R 13 /-</u>	<u>H04L 5 /-</u>	
<u>G02B 6 /-</u>	2019284012	2020233633	2020202803	2017357910	<u>H04L 9 /-</u>
2020202803	2020267150	2020233666	2019240681	2016208989	2017396531
<u>G02C 11 /-</u>	2020435662	2020233667	<u>H01R 24 /-</u>	2020201891	2020201891
2018442118	<u>G06K 19 /-</u>	<u>G07F 17 /-</u>	2020202803	<u>H04M 3 /-</u>	
<u>G02C 7 /-</u>	2020308334	2019240602	<u>H01R 4 /-</u>	2018306939	<u>H04N 1 /-</u>
2018442118	<u>G06K 7 /-</u>	2019246899	2020202803	<u>H04N 19 /-</u>	2020308334
<u>G02F 1 /-</u>	2020308334	2020265650	<u>H01R 9 /-</u>	<u>H04N 19 /-</u>	2016426405
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<u>G03B 15 /-</u>	2017207496	2020265650	<u>H02G 15 /-</u>	<u>H04N 5 /-</u>	
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<u>G05B 15 /-</u>	2020205301	2017353293	<u>H01R 9 /-</u>		
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<u>G05D 1 /-</u>	2020294217	2016231931			
2020267672	2021200207	<u>G10L 15 /-</u>			
2018316850	<u>G06N 20 /-</u>	2020273370			
	2019284012	<u>G10L 17 /-</u>			
	2020205301				

Certified Innovation Patents

Name Index

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

(71) Berkshire Renewable Energy Pty Ltd
 (11) AU-B-2021102222
 (21) 2021102222 (22) 27.04.2021
 (54) SYSTEM AND METHOD FOR LIFT-
 ING A STORAGE TANK OR A PART
 THEREOF
 (51) Int. Cl.
 B66F 3/46 (2006.01)
 B66F 3/44 (2006.01)
 (31) 2020902733 (32) 04.08.20 (33) AU
 2020904803 22.12.20 AU
 (45) 25.11.2021
 (72) Grace, Arthur
 (74) Mann IP

Licentia Group Ltd see MyPinPad Ltd
 (21) 2021103563

(71) MyPinPad Ltd; Licentia Group Ltd
 (11) AU-B-2021103563
 (21) 2021103563 (22) 23.06.2021
 (54) Computer-Implemented System and
 Method For Assisting Input To A Virtual
 Keypad or Keyboard On An Electronic
 Device
 (51) Int. Cl.
 G06F 3/039 (2013.01)
 G06F 3/02 (2006.01)
 (45) 25.11.2021
 (62) PCT/GB2020/051804
 (72) Pike, Justin
 (74) James & Wells Intellectual Property

(71) PlotLogic Pty Ltd
 (11) AU-B-2021104296
 (21) 2021104296 (22) 19.07.2021
 (54) Geological surface-scanning apparatus
 (51) Int. Cl.
 G01V 8/24 (2006.01)
 G01J 3/42 (2006.01)
 G01J 3/02 (2006.01)
 G01V 8/22 (2006.01)
 (45) 25.11.2021
 (72) Job, Andrew; Edgar, Michael; Auad,
 Marina; Garlan, Matthew
 (74) Spruson & Ferguson

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Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

- 2019203684 **The a2 Milk Company Limited** (FONTERRA CO-OPERATIVE GROUP LIMITED)
- 2019204039 **Deco Australia Pty Ltd** (AliWood Pty Ltd)
- 2019242156 **JFE Steel Corporation** (voestalpine Railway Systems GmbH)

Applications Withdrawn

- 2019203106 **Sonoco Australia Pty Ltd** (Opal Packaging Australia Pty Ltd)

Patents Granted

Standard Patents

2015201070	2015237241	2015249312	2015259188
2015264791	2015265916	2015267148	2015273531
2015279542	2015292150	2015343029	2015345884
2015346205	2015349787	2015352350	2015353465
2015357068	2015360945	2015362067	2015364557
2015365167	2015370507	2015373893	2015380551
2015392197	2015395902	2015406920	2016203563
2016203645	2016204990	2016210597	2016210670
2016212059	2016217473	2016219605	2016220135
2016222338	2016222360	2016222382	2016225800
2016226003	2016226178	2016228128	2016230883
2016231516	2016231944	2016232657	2016239915
2016239987	2016240847	2016243545	2016243631
2016245203	2016245204	2016245323	2016246061
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2016258192	2016258624	2016264683	2016264686
2016265982	2016266534	2016266655	2016267397
2016267404	2016269390	2016270937	2016271618
2016272541	2016277886	2016278774	2016281622
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2016343949	2016344187	2016348265	2016348689
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2017248506	2017249015	2017252473	2017253674
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2017267270	2017268285	2017269142	2017273555
2017274891	2017276585	2017277467	2017277524

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2017278524	2017278950	2017280334	2017280928
2017284764	2017285444	2017288755	2017290742
2017291514	2017292177	2017293156	2017301579
2017306273	2017309751	2017314880	2017316306
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2020202890	2020202941	2020203027	2020203139
2020203262	2020203570	2020203597	2020210132
2020210147	2020213347	2020213376	2020223750
2020226978	2020229387	2020233669	2020233671
2020244488	2020244494	2020264265	2020281074
2020281133	2020281170	2020331397	2020343932
2020385375	2021200083	2021201210	2021201716
2021201915	2021201916	2021202562	2021202834
2021203829	2021204466		

Innovation Patents

2018102226	2020104470	2021102692	2021103585
2021105254	2021105264	2021105333	2021105339
2021105352	2021105386	2021105388	2021105408
2021105411	2021105454	2021105477	2021105491
2021105492	2021105493	2021105494	2021105495
2021105500	2021105503	2021105551	2021105553
2021105554	2021105614	2021105622	2021105624

Patents Granted

Innovation Patents

2021105627	2021105629	2021105673	2021105698
2021105704	2021105706	2021105710	2021105717
2021105719	2021105724	2021105725	2021105729
2021105738	2021105739	2021105754	2021105789
2021105813	2021105820	2021105826	2021105859
2021105860	2021105865	2021105875	2021105876
2021105926	2021105944	2021105945	2021105950
2021105986	2021106001	2021106010	2021106030
2021106040	2021106046	2021106048	2021106050
2021106053	2021106057	2021106059	2021106065
2021106066	2021106074	2021106075	2021106076
2021106129	2021106165	2021106174	2021106178
2021106184	2021106205	2021106213	2021106223
2021106226	2021106232	2021106237	2021106240
2021106245	2021106249	2021106257	2021106258
2021106261	2021106262	2021106268	2021106269
2021106272	2021106275	2021106276	2021106326
2021106330	2021106337	2021106339	2021106341
2021106348	2021106350	2021106353	2021106355
2021106357	2021106364	2021106367	2021106387
2021106388	2021106391	2021106398	2021106400
2021106404	2021106409	2021106410	2021106411
2021106415	2021106418	2021106423	2021106427
2021106431	2021106436	2021106445	2021106446
2021106448	2021106500	2021106510	2021106561
2021106566	2021106569	2021106573	2021106578
2021106582	2021106587	2021106606	2021106608
2021106609	2021106627	2021106633	2021106643
2021106649	2021106653	2021106662	2021106664
2021106665	2021106669	2021106687	2021106696
2021106699	2021106700	2021106701	2021106827
2021106852	2021106873	2021106874	2021106875
2021106876	2021106877	2021106878	2021106879
2021106880	2021106881	2021106883	2021106884
2021106886	2021106887	2021106888	2021106889
2021106890	2021106891	2021106892	2021106893
2021106894	2021106895	2021106896	2021106897
2021106898	2021106899	2021106901	2021106902
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2021106944	2021106946	2021106947	2021106948
2021106949	2021106950	2021106951	2021106952
2021106955	2021106956	2021106957	2021106958
2021106959	2021106960	2021106961	2021106962
2021106964	2021106966	2021106967	2021106968
2021106969	2021106972	2021106973	2021106974
2021106975	2021106976		

Assignments Registered

2002342440	Legge, Jenny	The patent has been assigned to Eggel Pty Ltd
2004266076	Takeda GmbH	The patent has been assigned to Takeda Pharmaceutical Company Limited
2004278037	Takeda GmbH	The patent has been assigned to Takeda Pharmaceutical Company Limited
2004281525	MediGene AG	The patent has been assigned to Are-sus Pharma GmbH
2004313657	Takeda GmbH	The patent has been assigned to Takeda Pharmaceutical Company Limited

Assignments Registered

2010261338	Department of Biotechnology	The patent has been assigned to CM Technologies, Inc.
2012254901	Huawei Technologies Co., Ltd.	The patent has been assigned to Huawei Digital Power Technologies Co., Ltd.
2012264643	Antitope Ltd	The patent has been assigned to Gen-mab B.V.
2012266985	Huawei Technologies Co., Ltd.	The patent has been assigned to Huawei Digital Power Technologies Co., Ltd.
2012327188	Huawei Technologies Co., Ltd.	The patent has been assigned to Huawei Digital Power Technologies Co., Ltd.
2013384161	Empire Technology Development LLC	The patent has been assigned to CF Global Holdings, Inc.
2014224054	Blue Bottle Coffee, Inc.	The patent has been assigned to Société des Produits Nestlé S.A.
2014314053	Takeda GmbH	The patent has been assigned to Takeda Pharmaceutical Company Limited
2014378034	Golden Choice Products Ltd.	The patent has been assigned to Cutlery Precision Company Limited
2015257798	Takeda GmbH	The patent has been assigned to Takeda Pharmaceutical Company Limited
2016318230	Biosceptre (UK) Limited	The patent has been assigned to Biosceptre (Aust) Pty Ltd
2017201419	Empire Technology Development LLC	The patent has been assigned to CF Global Holdings, Inc.
2018102178	Re-Power International Limited	The patent has been assigned to Re-Power Energy Limited
2018267547	Blue Bottle Coffee, Inc.	The patent has been assigned to Société des Produits Nestlé S.A.
2019218150	Medshine Discovery Inc.	The patent has been assigned to Phaeno Therapeutics Co., Ltd.

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.

2008263190 **Biomarin Pharmaceutical Inc.**

The earliest first regulatory approval date provided by the patentee 14 Jul 2021

For the goods PALYNZIQ pegvaliase

2019201307 **Ablynx NV**

The earliest first regulatory approval date provided by the patentee 05 Feb 2020

For the goods CABLIVI caplacizumab

Applications Accepted

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

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

2008263190 **Biomarin Pharmaceutical Inc.**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Accepted

The earliest first regulatory approval date provided by the patentee 14 Jul 2021

For the goods PALYNZIQ pegvaliase

Address for service : WRAYS PTY LTD Level 7 863 Hay Street Perth WA 6000 AU

2012270144 **Oxford University Innovation Limited**

The earliest first regulatory approval date provided by the patentee 16 Feb 2021

For the goods COVID-19 Vaccine AstraZeneca ChAdOx1-S

Address for service : Wrays L7 863 Hay St Perth WA 6000 AU

2015204192 **Shield TX (UK) Limited**

The earliest first regulatory approval date provided by the patentee 02 Mar 2021

For the goods FERACCRU ferric maltol

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

Extensions granted

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

2001236073 **Kyowa Kirin Co., Ltd.**

The earliest first regulatory approval date provided by the patentee 05 Feb 2021

For the goods POTELIGEO mogamulizumab

Extension of Term of patent pursuant to Section 77 expires on 02 Mar 2026

Corrigenda

In Vol 35 , No 45 , Page(s) 8736 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2020** Delete all reference to 2020200873.

In Vol 35 , No 46 , Page(s) 9041 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Nutech Ventures, Inc., Application No. 2020257267, under INID (71) correct the applicant name to NUtech Ventures

Specifications Republished

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

- 2015380551 **Cyrex Laboratories, LLC**
- 2016247039 **PGS Geophysical AS**
- 2016314508 **Electrolux Appliances Aktiebolag**
- 2017213824 **Vyera Pharmaceuticals, LLC**
- 2017317123 **Medshine Discovery Inc.**
- 2017343990 **Microsoft Technology Licensing, LLC**
- 2018326701 **Greeneden U.S. Holdings II, LLC**
- 2018363611 **Buchberger, A.**
- 2018409584 **Yazaki Energy System Corporation**
- 2018413231 **Mitsubishi Electric Corporation**
- 2019338023 **Huawei Technologies Co., Ltd.**
- 2020204021 **ROIVOS LIMITED**