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THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

Table of Contents

Table des matières

Notices

Avis	1
------------	---

Canadian Patents Issued

Brevets canadiens délivrés	25
----------------------------------	----

Canadian Applications Open to Public Inspection

Demandes canadiennes mises à la disponibilité du public.....	64
--	----

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale	84
---	----

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant	170
---	-----

Index of Canadian Patents Issued

Index des brevets canadiens délivrés	175
--	-----

Index of Canadian Applications Open to Public Inspection

Index des demandes canadiennes mises à la disponibilité du public	182
---	-----

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale	186
---	-----

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant	203
---	-----

Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates

All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals

The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

- [11] - Number of Patent document
- [13] - Kind-of-document code
- [21] - Number assigned to the Application
- [22] - Date of Filing Application or
- [22] - Date of filing of related divisional application
- [25] - Language in which the published application was originally filed
- [30] - Data relating to priority under the Paris Convention

- [41] - Open to Public Inspection Date
- [45] - Date of Issue
- [48] - Correction Date (Re-Issued, Re-Examined)
- [51] - International Classification
- [52] - Domestic Classification
- [54] - Title of Invention
- [60] - Related by Supplementary Disclosure
- [62] - Related by Division
- [64] - Related by Reissue
- [71] - Name(s) of Applicant(s)
- [72] - Name(s) of Inventor(s)
- [73] - Name(s) of Grantee(s)
- [85] - National Entry Date
- [86] - PCT International Filing Data
- [87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates

Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code

Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques ». Ces codes sont utilisés pour l'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), siège à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la Convention de Paris
- [41] - Date de mise à la disponibilité du public
- [45] - Date de délivrance
- [48] - Date de correction (Redélivrance, Réexamen)
- [51] - Classification internationale
- [52] - Classification nationale
- [54] - Titre de l'invention
- [60] - Apparenté par divulgation supplémentaire
- [62] - Apparenté par division
- [64] - Apparenté par redélivrance
- [71] - Nom(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

Avis

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of \$1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:

- | | |
|---|------|
| a) for each request | N/A |
| b) plus, for each patent or application to which the request relates | \$10 |
| c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first | \$10 |
| d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes | \$10 |

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 \$ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :

- | | |
|--|-------|
| a) pour chaque demande | S.O. |
| b) pour chaque demande de brevet ou brevet visé par la demande | 10 \$ |
| c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel | 10 \$ |
| d) pour chaque tranche de 10 mégaoctets qui excède 7 mégaoctets, l'excédant étant arrondi au multiple supérieur | 10 \$ |

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of \$1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 \$ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After June 3, 2020

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1961*
For each additional sheet over 30	\$22
3. International Search Fee	\$1600

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 3 juin 2020

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1961 \$*
Pour chaque feuille au delà de 30	22 \$
3. Taxe de recherche internationale	1600 \$

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Notices

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee

50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

Preliminary Examination

5. Handling fee (Rule 57.2(a)) \$295

6. Preliminary examination fee (Rule 58) \$800

* International fees will be reduced by:

- \$295 for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- \$442 for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

4. Taxe pour paiement tardif

50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. Taxe de traitement (Règle 57.2a) 295 \$

6. Taxe d'examen préliminaire (Règle 58) 800 \$

* Les frais seront réduits de:

- 295 \$ pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- 442 \$ pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (publications.mail@wipo.int) or visit their Web site (www.wipo.int).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (publications.mail@wipo.int) ou visiter leur site Web (www.wipo.int).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as “the Offices”) have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term “firm” includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets.**

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais « partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

Notices

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce*.

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets et de l'alinéa 21d) du Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:

http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled *Correspondence Procedures*, available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:

<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html>

Publication date: May 10, 2017

Amendment date: June 17, 2019

On this page:

1. Physical Delivery of Correspondence and Written Communications to CIPO
2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
4. General Information
5. Time Period Extensions
6. Procedures in Case of an Unexpected Office Closure at CIPO

14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :

http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé *Procédures de correspondance*, consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :
<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html>

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

Sur cette page :

1. Remise physique de correspondance et communications écrites à l'OPIC.
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC

Avis

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

This notice is intended to clarify the practice of the Canadian Intellectual Property Office with respect to correspondence procedures and written communications and replaces all previous notices.

1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

In accordance with subsections 5(2), 5(3), 54(1) and 54(2) of the Patent Rules, subsection 10(2) of the Trademarks Regulations, subsections 2(2) and (3) of the Copyright Regulations, subsection 5(1) of the Industrial Design Regulations and subsections 3(2) and (3) of the Integrated Circuit Topography Regulations, correspondence and written communications delivered to the above address between 8:30 a.m. to 4:30 p.m. (Eastern Time) Monday to Friday is deemed to have been received on the actual date of their delivery if they are delivered when CIPO is open to the public.

Correspondence delivered at a time when CIPO is closed to the public will be deemed or considered to have been received on the day on which CIPO is next open to the public.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted

Le présent énoncé de pratique a pour but de préciser la pratique de l'Office de la propriété intellectuelle du Canada relativement aux procédures de correspondance et de communications écrites et remplace tout avis antérieur.

1. Remise physique de correspondance et communications écrites à l'OPIC

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

Conformément aux paragraphes 5(2), 5(3), 54(1) et 54(2) des Règles sur les brevets, du paragraphe 10(2) du Règlement sur les marques de commerce, des paragraphes 2(2) et (3) du Règlement sur le droit d'auteur, du paragraphe 5(1) du Règlement sur les dessins industriels et des paragraphes 3(2) et (3) du Règlement sur les topographies de circuits intégrés, la correspondance et les communications écrites ayant été remises à l'adresse ci-dessus entre 8h30 et 16h30 (Heure de l'Est) du lundi au vendredi seront réputées avoir été reçues le jour de leur remise, si elles sont remises alors que l'OPIC est ouvert au public.

La correspondance remise lorsque les bureaux de l'OPIC sont fermés au public sera réputée avoir été reçue le jour de la réouverture de l'OPIC au public.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, celle-ci ne peut pas être retournée à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet qui ne rencontre pas les exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront renvoyés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

Notices

to CIPO that contains financial information, such as credit card numbers.

Download the [Fee Payment Form](#).

fourni comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le [formulaire de paiement des frais](#).

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

- Innovation, Science and Economic Development Canada
C.D. Howe Building
235 Queen Street, Room S-143
Ottawa ON K1A 0H5
Tel.: 343-291-3436

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,
except statutory holidays

- Innovation, Science and Economic Development Canada
Sun Life Building
1155 Metcalfe Street, Room 950
Montreal QC H3B 2V6
Tel.: 514-496-1797
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,
except statutory holidays

- Innovation, Science and Economic Development Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,

1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée et qu'aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- Innovation, Sciences et Développement économique Canada
Édifice C.D. Howe
235, rue Queen, pièce S-143
Ottawa (Ontario) K1A 0H5
Tél. : 343-291-3436

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
Édifice Sun Life
1155, rue Metcalfe, bureau 950
Montréal (Québec) H3B 2V6
Tél. : 514-496-1797
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à

Avis

except statutory holiday	l'exception des jours fériés
<ul style="list-style-type: none">Innovation, Science and Economic Development Canada Canada Place 9700 Jasper Avenue, Suite 725 Edmonton AB T5J 4C3 Tel.: 780-495-4782 Toll-free: 1-800-461-2646	<ul style="list-style-type: none">Innovation, Sciences et Développement économique Canada Canada Place 9700, avenue Jasper, pièce 725 Edmonton (Alberta) T5J 4C3 Tél. : 780-495-4782 Sans frais : 1-800-461-2646
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés
<ul style="list-style-type: none">Innovation, Science and Economic Development Canada Library Square 300 West Georgia Street, Suite 2000 Vancouver BC V6B 6E1 Tel.: 604-666-5000	<ul style="list-style-type: none">Innovation, Sciences et Développement économique Canada Library Square 300, rue Georgia Ouest, pièce 2000 Vancouver (C.-B.) V6B 6E1 Tél. : 604-666-5000
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

In accordance with subsections 5(4), 5(5), 54(3) and 54(4) of the Patent Rules, subsection 10(3) of the Trademarks Regulations, subsections 2(4) and (5) of the Copyright Regulations, subsection 5(2) of the Industrial Design Regulations and subsections 3(4) and (5) of the Integrated Circuit Topography Regulations, correspondence delivered to a designated establishment on a day when CIPO is open to the public will be deemed or considered to be received on the day on which they are delivered to that designated establishment. If CIPO is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPO is next open to the public. For example, if correspondence intended for CIPO is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPO is closed on that day (St-Jean-Baptiste Holiday in Quebec). It will be deemed received on the day on which CIPO is next open to the public.

Conformément aux paragraphes 5(4), 5(5), 54(3) et 54(4) des Règles sur les brevets, au paragraphe 10(3) du Règlement sur les marques de commerce, aux paragraphes 2(4) et (5) du Règlement sur le droit d'auteur, au paragraphe 5(2) du Règlement sur les dessins industriels et aux paragraphes 3(4) et (5) du Règlement sur les topographies de circuits intégrés, la correspondance remise à l'un des établissements désignés susmentionnés lorsque les bureaux de l'OPIC sont ouverts au public sera réputée ou considérée avoir été reçue le jour de leur remise à cet établissement désigné. Si les bureaux de l'OPIC sont fermés au public, la correspondance sera réputée ou considérée avoir été reçue à le jour de la réouverture de l'OPIC au public. Par exemple, la correspondance adressée à l'OPIC remise à l'établissement désigné de Toronto le 24 juin ne sera pas considérée avoir été reçue le 24 juin puisque les bureaux de l'OPIC sont fermés ce jour-là (la Saint-Jean Baptiste est un jour férié au Québec). La correspondance sera alors réputée avoir été reçue le jour de la réouverture des bureaux de l'OPIC au public.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

1.2. Services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada sont des établissements ou des

Notices

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered to the Commissioner of Patents by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is

bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

L'OPIC considère que la correspondance remise par l'entremise des services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de réouverture de l'OPIC au public.

2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 10(5) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 10(4) ne s'appliquent pas.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies constitue une version originale. Par conséquent, un duplicata sur support papier ne devrait pas être expédié.

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale,

Avis

open for business.

Correspondence delivered to the Registrar of Trademarks or the Industrial Design Office by electronic means of transmission, including facsimile, is deemed to have been received on the day on which CIPO receives it (Eastern Time).

2.1 Facsimile

Black and white facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent to the following facsimile numbers:

(819) 953-CIPO (2476) or (819) 953-OPIC (6742)

Colour facsimile correspondence addressed to the Registrar of Trademarks or the Industrial Design Office **must** be sent to the following facsimile number:

(819) 934-3833

Note that the model of facsimile is a Xerox C505/X and that this information may be needed to ensure a successful colour transmission.

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment, will be considered not to have been received.

Evidence submitted by facsimile in respect of an opposition or section 45 proceeding **will not be accepted** due to issues such as the often-poor quality of transmission, the risk of incomplete transmission and the voluminous nature of the documents.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting by facsimile a document that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

La correspondance fournie au registraire des marques de commerce ou transmise au Bureau des dessins industriels par voie électronique, y compris par télécopieur, est réputée avoir été reçue le jour où l'OPIC l'a reçue (Heure de l'Est).

2.1 Correspondance par télécopieur

La correspondance en noir et blanc par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise aux numéros ci-dessous :

819-953-OPIC (6742) ou 819-953-CIPO (2476)

La correspondance en couleur par télécopieur (modèle : Xerox C505/X) adressée au registraire des marques de commerce ou au Bureau des dessins industriels doit être transmise au numéro ci-dessous :

(819) 934-3833

À noter que le modèle de télécopieur est un Xerox C505/X; information qui peut être nécessaire afin de compléter une transmission en couleur.

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements désignés, sera considérée comme n'ayant pas été reçue.

Les éléments de preuve présentés par télécopieur dans le cadre d'une procédure d'opposition ou de radiation en vertu de l'article 45 de la Loi **ne seront pas acceptés** en raison des inconvenients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

Le rapport de transmission électronique que vous recevrez après votre transmission par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'une interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Lors de la transmission par télécopieur d'un document comprenant une demande d'acquittement de droit ou taxe, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements des frais afin d'assurer un traitement rapide.

Notices

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- [filing an application](#) (regular application);
- [filing a request for national entry](#);
- [filing an international application](#) (PCT Safe or ePCT);
- [general correspondence relating to applications and patents](#);
- [maintaining the name of a patent agent on the register of patent agents](#); and
- [ordering copies in paper, or electronic form of a document](#).

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called [PCT E-Filing](#).

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a [designated establishment](#).

Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Brevets

Pour l'application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux pages suivantes :

- [déposer une demande](#) (demande régulière);
- [déposer une demande d'entrée dans la phase nationale](#);
- [déposer une demande internationale](#) (PCT Safe ou ePCT);
- [correspondance générale concernant des demandes et des brevets](#);
- [maintien du nom d'un agent de brevets dans le registre des agents de brevets](#);
- [commande de copies papier ou d'un document sous forme électronique](#).

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé [Dépôt en ligne de demandes PCT](#).

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un [établissement désigné](#).

Marques de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment en accédant aux pages suivantes

Avis

accessing the following pages:

- [filing a new or revised trademark application;](#)
- [renewal of a trademark registration;](#)
- [request to enter a name on the list of trademark agents;](#)
- [annual renewal of a trademark agent;](#)
- [requesting copies of trademark documents;](#)
- [registration of a trademark application;](#)

- [nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;](#)
- [renouvellement de l'enregistrement d'une marque de commerce;](#)
- [demande d'inscription d'un nom à la liste des agents de marques de commerce;](#)
- [renouvellement annuel d'un agent de marques de commerce;](#)
- [commande de copies de documents de marques de commerce,](#)
- [l'enregistrement d'une marque de commerce](#)

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the [Trademarks Opposition Board's online web application](#):

Opposition proceedings before the Trademarks Opposition Board

- filing a statement of opposition;
- filing of a counter statement;
- submission of the opponent's evidence, or statement;
- submission of the applicant's evidence, or statement;
- submission of the opponent's reply evidence;
- submission of the opponent's written representations, or statement;
- submission of the applicant's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Section 45 proceedings before the Trademarks Opposition Board

- filing a request for a section 45 notice;
- submission of the registered owner's evidence;
- submission of the requesting party's written representations, or statement;
- submission of the registered owner's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce dans le cadre des procédures d'opposition ou de radiation en vertu de l'article 45 peut être envoyée par voie électronique en accédant à l'[application web en ligne de la Commission des oppositions des marques de commerce](#).

Procédures d'opposition devant la Commission des oppositions des marques de commerce

- production d'une déclaration d'opposition;
- Production d'une contre-déclaration d'opposition;
- Production de la preuve de l'opposant, ou d'une déclaration;
- Production de la preuve du requérant, ou d'une déclaration;
- Production de la contre-preuve de l'opposant;
- Production des arguments écrits de l'opposant, ou déclarations;
- Soumission des arguments écrits du requérant, ou déclarations;
- Produire une demande pour une audience; et
- demande de prolongation de délai.

Procédures en vertu de l'article 45 devant la Commission des oppositions des marques de commerce

- Production d'une demande pour un avis en vertu de l'article 45;
- Production de la preuve du propriétaire inscrit;
- Production des arguments écrits de la demanderesse, ou déclaration;
- Production des arguments écrits du propriétaire inscrit, ou déclaration;
- Produire une demande pour une audience; et
- Demande de prolongation de délai.

Copyright

Droits d'auteur

Notices

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- [application for registration of a copyright in a work](#);
- [application for registration of a copyright in a performer's performance, sound recording or a communication signal](#);
- [filing a grant of interest](#);
- [request for certificate of correction](#);
- [ordering copies in paper, or electronic form of a document](#); and
- [general correspondence relating to copyright](#).

Pour l'application du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un droit d'auteur sur une œuvre](#),
- [demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication](#);
- [dépôt d'une concession d'intérêt](#);
- [demande de certificat de correction](#);
- [commande de copies des documents papier ou électroniques](#) et
- [correspondance générale relative aux droits d'auteur](#).

Industrial Designs

For the purpose of subsection 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office may be sent electronically, by accessing the following pages:

- [application for registration of an industrial design](#);
- [ordering copies in paper, or electronic form of a document](#);
- [general correspondence relating to industrial designs](#); and
- [payment of industrial design maintenance fees](#).

Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au Bureau des dessins industriels peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un dessin industriel](#);
- [commande de copies de documents papier ou électroniques](#);
- [correspondance générale relative aux dessins industriels](#); et
- [paiement des droits de maintien des dessins industriels](#).

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- [general correspondence relating to integrated circuit topographies](#).

Topographies de circuits intégrés

Pour l'application du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [correspondance générale relative aux topographies de circuits intégrés](#).

2.3 Electronic medium

Note : all electronic media must be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

2.3 Supports électroniques

Note : Les supports électroniques doivent être exempts de ver informatique, de virus, ou de tout autre contenu malveillant. Les fichiers qui comprennent du contenu malveillant seront supprimés.

Brevets

Avis

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

- i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
- ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des modifications relatives à la demande.

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrédition du requérant :

- i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou
- ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Notices

the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

Trademarks and Industrial Design

The Office of the Registrar of Trademarks and the Industrial Design Office will accept the following types of electronic media: CD-ROM, CD-R, DVD, DVD-R, and USB stick.

3. Details Concerning the Electronic Formats Accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically site using the relevant links set out in [section 2.2](#) of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stelligent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

Marques de commerce et dessins industriels

Le Bureau du registraire des marques de commerce et le Bureau des dessins industriels acceptent les supports électroniques suivants : CD ROM, CD-R, DVD, DVD-R, et clé USB.

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stelligent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Avis

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Trademarks

For the purposes of subsection 64(1) of the Trademarks Act, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures are: PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP and Doc.

Industrial Design

For the purposes of subsection 24.1(1) of the Industrial Design Act, the acceptable file formats for documents, other than a representation of a design, submitted electronically are WPD, DOC, DOCX and PDF. The acceptable file formats for the representation of a design are PDF, JPEG, TIFF and GIF. The file size limit is of 60MB for PDF, 10MB for the other file formats. The scanned/stored images should be of a resolution of at least 300 dpi and the dimensions must be of 21.59 cm by 27.94 cm (8.5 in by 11 in).

Note that the conversion of files to an acceptable format may result in a change to the quality of the drawings.

Marques de commerce

Pour l'application du paragraphe 64(1) de la Loi sur les marques de commerce, les formats de fichiers acceptables pour les documents fournis par un moyen électronique énoncé à la [section 2.2](#) des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et Doc.

Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, les formats de fichiers acceptables pour les documents autres que la représentation d'un dessin, transmis par voie électronique sont : WPD, DOC, DOCX, PDF. Les formats de fichiers acceptables pour la représentation d'un dessin sont PDF, JPEG, TIFF, et GIF. La taille maximale est de 60MB pour le format PDF et de 10MB pour tout autre format. L'image numérisée/stockée devrait être dans une résolution d'au moins 300 dpi et les dimensions doivent être de 21,59 cm par 27,94 cm (8,5 po par 11po)

Veuillez noter que la conversion de fichiers vers un format acceptable pourrait résulter en un changement à la qualité des dessins.

Notices

4. General Information

General information may be obtained by communicating with CIPO's [Client Service Centre](#).

5. Time Period Extensions

- [Time period extensions under the Patent, Trademarks and Industrial Design Acts](#)
- [Time period extensions under the Copyright and Integrated Circuit Topography Acts](#)
- [Time period extensions under the Patent Cooperation Treaty](#)
- [Time period extensions under the Madrid Protocol and the Hague Agreement](#)

Time period extensions under the Patent, Trademarks and Industrial Design Acts

For the purposes of subsection 78(1) of the Patent Act, subsection 66(1) of the Trademarks Act, and subsection 21(1) of the Industrial Design Act, any time period fixed under those Acts and ending on 1) a **prescribed day** set out in the list below or 2) a **designated day** on account of unforeseen circumstances, will be extended to the next day that is not a prescribed day or a designated day and where CIPO is open to the public.

Designated days are those days that are designated by the Commissioner, the Registrar, or the Minister, on account of unforeseen circumstances and if they are satisfied that it is in the public interest to do so. If a day is designated, the public will be informed of that fact on CIPO's website.

Prescribed days under the Patent Act, Trademarks Act and Industrial Design Act are as follows:

- Every Saturday and Sunday;
- New Year's Day (January 1)*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)*;
- Canada Day (July 1)*;
- The first Monday in August;***
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;

4. Renseignements généraux

Des renseignements généraux peuvent être obtenus en communiquant avec [le Centre de services à la clientèle de l'OPIC](#).

5. Prorogation des délais

- [Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels](#)
- [Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés](#)
- [Prorogation des délais en vertu du le Traité de coopération en matière de brevets](#)
- [Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye](#)

Prorogation des délais prévus par les Lois sur les brevets, les marques de commerce, et les dessins industriels

Pour l'application du paragraphe 78(1) de la Loi sur les brevets, du paragraphe 66(1) de la Loi sur les marques de commerce, et du paragraphe 21(1) de la Loi sur les dessins industriels, tout délai fixé sous le régime de ces lois et qui expire 1) un **jour prescrit ou règlementaire** tel qu'indiqué dans la liste ci-dessous, ou 2) un **jour désigné** en raison de circonstances imprévues, sera prorogé jusqu'au jour suivant qui n'est ni un jour prescrit ni un jour désigné et où l'OPIC est ouvert au public.

Les **jours désignés** sont les jours désignés par le commissaire, le registraire, ou le ministre, où, en raison de circonstances imprévues, s'il est dans l'intérêt public de le faire. Si un jour est désigné, le public en sera informé sur le site web de l'OPIC.

Les **jours prescrits ou règlementaires** en vertu de la Loi sur les brevets, de la Loi sur les marques de commerce et de la Loi sur les dessins industriels sont les suivants :

- Tous les samedis et dimanches;
- Nouvel An (1^{er} janvier)*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)*;
- Fête du Canada (1^{er} juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

Avis

- Remembrance Day (November 11)*;
- Christmas Day (December 25)**;
- Boxing Day (December 26)** ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

*In the case of New Year's Day, St. Jean Baptiste Day, Canada Day and Remembrance Day, if the day falls on a Saturday or Sunday, deadlines will be extended to the following Tuesday.

**If December 25 falls on a Friday, deadlines will be extended to the following Tuesday. If December 25 falls on a Saturday or Sunday, any time periods ending on December 25 or December 26 will be extended to the following Wednesday.

***Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public (first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

Extensions for prescribed days occur regardless of place of residence or of the establishment to which documents are delivered.

Please be aware that not all provincial and territorial holidays are days where deadlines are extended. It is recommended that clients be mindful and ensure that all deadlines are respected.

- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)*;
- Jour de Noël (25 décembre)**;
- Lendemain de Noël** ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

*Si le Nouvel An, la Saint-Jean-Baptiste, la Fête du Canada, ou le Jour du Souvenir est un samedi ou un dimanche, les délais seront prorogés au mardi suivant.

**Si le 25 décembre est un vendredi, les délais seront prorogés au mardi suivant. Si le 25 décembre est un samedi ou un dimanche, les délais seront prorogés au mercredi suivant.

***Veuillez noter que les Bureaux sont ouverts au public le premier lundi du mois d'août. Tout délai qui expire ce jour-là sera prorogé au prochain jour ouvrable (premier mardi du mois d'août). Cependant, toute correspondance, droits ou taxes fournis au Bureau ce jour-là seront réputés ou considérés avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou réglementaires s'appliquent nonobstant du lieu de résidence ou du lieu de l'établissement auquel les documents ont été remis.

Veuillez noter que ce ne sont pas tous les jours fériés provinciaux ou territoriaux qui sont des jours prescrits ou réglementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

Time period extensions under the Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to CIPO or a designated establishment (including the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly,

Prorogation des délais prévus par les Lois sur le droit d'auteur et sur les topographies de circuits

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé^{MC}, ou par Xpresspost^{MC} de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont

Notices

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

- i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;
- ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
- iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
- iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International

livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Prolongations de délais prévus au Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour :

- i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
- ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
- iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
- iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Si un délai à l'intérieur duquel une communication doit être reçue par le Bureau international de l'Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du

Avis

Bureau is not open to the public, it will expire on the next subsequent day on which the International Bureau is open. Likewise, if the period within which a communication (such as a notification of refusal of protection) must be sent by CIPO to the International Bureau would expire on a day on which CIPO is not open to the public, it will expire on the next subsequent day on which CIPO is open.

A list of the days on which the International Bureau is closed to the public during the current and the following calendar year is available on the [WIPO website](#).

6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

In view of the date-sensitive nature of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information with respect to [service interruptions](#) on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in [section 2.2](#) of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible [sur le site web de l'OMPI](#).

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public .

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre [page d'interruptions des services](#), lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^{MC}, par Xpresspost^{MC} ou par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance. Il est toujours

Notices

payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés d'un numéro de carte VISA^{MC}, Mastercard^{MC} ou American Express^{MC} ou d'un numéro de compte de dépôt à l'OPIC.

Veuillez noter qu'il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, **les clients de l'OPIC demeurent responsables** du respect de tous les échéanciers.

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open to the public but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee is required in certain cases.

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit est exigé dans certains cas.

8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)

8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)

Avis

- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trademarks Act](#)
- [Trademarks Regulations](#)

- [Règlement d'exécution du PCT](#)
- [Loi sur les marques de commerce](#)
- [Règlement sur les marques de commerce](#)

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of March 5, 2024 contains applications open to public inspection from February 18, 2024 to February 24, 2024.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 5 mars 2024 contient les demandes disponibles au public pour consultation pour la période du 18 février 2024 au 24 février 2024.

Canadian Patents Issued

March 5, 2024

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AND A LIQUID SEALANT
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 - [54] SYSTEM AND METHOD FOR DRIVING AN ULTRASONIC HANDPIECE WITH A LINEAR AMPLIFIER
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 - [54] DISPOSITIF DE REGULATION DE LA CONCENTRATION D'UN GAZ DANS UN LIQUIDE
 - [72] RIGAIL, FRANCOIS, FR
 - [72] POURTAUD, NICOLAS, FR
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- [72] BAS HERMIDA, TERESA, ES
- [72] PALLARDO CALATAYUD, FEDERICO VICENTE, ES
- [72] HERVAS MARIN, DAVID, ES
- [72] MENA MOLLA, SALVADOR, ES
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[72] HUANG, CHANGWEI, CN
[72] MA, FACHENG, CN
[72] ZHANG, JI, CN
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- [73] ARENA PHARMACEUTICALS, INC., US
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- [54] SYSTEMS AND METHODS FOR MANAGING A DATA REQUEST INTERFACE
- [54] SYSTEMES ET METHODE DE GESTION D'UNE INTERFACE DE DEMANDE DE DONNEES
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- [72] CHOW, ARTHUR CARROLL, CA
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 - [54] APPLICATION DE DERIVES SUBSTITUES DU CINNAMAMIDE DANS LA PREPARATION DE MEDICAMENTS CONTRE L'ANXIETE
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 - [72] LIU, YANYONG, CN
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 - [72] PURVIS, DANIEL, US
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 - [73] MECHANICAL TESTING SERVICES, LLC, US
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- [25] EN
- [54] VIDEO ON DEMAND FOR AUDIO/VIDEO RECORDING AND COMMUNICATION DEVICES
- [54] VIDEO A LA DEMANDE POUR DISPOSITIFS D'ENREGISTREMENT ET DE COMMUNICATION AUDIO/VIDEO
- [72] MODESTINE, JOHN, US
- [72] ROTH, JOSHUA, US
- [73] AMAZON TECHNOLOGIES, INC., US
- [85] 2018-06-13
- [86] 2016-12-15 (PCT/US2016/066938)
- [87] (WO2017/106506)
- [30] US (62/267,762) 2015-12-15
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 - [25] EN
 - [54] DEVICES, SYSTEMS AND METHODS FOR ACTUATION AND RETRACTION IN FLUID COLLECTION
 - [54] DISPOSITIFS, SYSTEMES ET PROCEDES D'ACTIONNEMENT ET DE RETRACTION UTILISES DANS LA COLLECTE DE FLUIDE
 - [72] BERTHIER, ERWIN, US
 - [72] CASAVANT, BEN, US
 - [72] MOGA, BEN, US
 - [73] TASSO, INC., US
 - [85] 2018-06-20
 - [86] 2016-12-21 (PCT/US2016/068077)
 - [87] (WO2017/112793)
 - [30] US (62/270,550) 2015-12-21
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- [25] EN
- [54] PURIFICATION PROCESS FOR HYDROLYSABLE ORGANIC SOLVENT
- [54] PROCEDE DE PURIFICATION DE SOLVANT ORGANIQUE HYDROLYSABLE
- [72] OHBA, KAORU, JP
- [72] TAKANO, KENJI, JP
- [72] IIDA, MASONORI, JP
- [72] ABE, SHINNOBUKE, JP
- [72] MASUDO, TAKASHI, JP
- [72] KISHIZAKI, OSAMU, JP
- [72] ISHIBASHI, RYO, JP
- [72] YAMASHITA, YUSUKE, JP
- [73] DOW GLOBAL TECHNOLOGIES LLC, US
- [85] 2018-06-26
- [86] 2016-12-16 (PCT/US2016/067180)
- [87] (WO2017/116759)
- [30] JP (2015-256088) 2015-12-28

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<p>[11] 3,010,207 [13] C</p> <p>[51] Int.Cl. G01S 19/07 (2010.01) G01S 19/25 (2010.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR GENERATING A PHASE SCINTILLATION MAP UTILIZED FOR DE-WEIGHTING OBSERVATIONS FROM GNSS SATELLITES</p> <p>[54] SYSTEME ET METHODE DE GENERATION D'UN PLAN DE SCINTILLATION DE PHASE DESTINE A DEPONDERER LES OBSERVATIONS DE SATELLITES GNSS</p> <p>[72] MORLEY, THOMAS, CA</p> <p>[73] NOVATEL INC., CA</p> <p>[86] (3010207)</p> <p>[87] (3010207)</p> <p>[22] 2018-07-03</p> <p>[30] US (15/679,758) 2017-08-17</p>	<p>[11] 3,010,904 [13] C</p> <p>[51] Int.Cl. A61L 27/44 (2006.01) A61L 27/20 (2006.01) A61L 27/22 (2006.01) A61L 27/54 (2006.01) A61L 27/60 (2006.01) A61P 17/02 (2006.01) F26B 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] HUMAN PLACENTAL TISSUE GRAFT PRODUCTS, METHODS, AND APPARATUSES</p> <p>[54] PRODUITS DE GREFFE DE TISSU DU PLACENTA HUMAIN, METHODES ET APPAREILS</p> <p>[72] GOLDSTEIN, STEVEN, US</p> <p>[72] MARTINEZ, ADAM, US</p> <p>[72] LAW, CANDACE, US</p> <p>[73] ARTIVION, INC., US</p> <p>[85] 2018-07-06</p> <p>[86] 2017-01-05 (PCT/US2017/012384)</p> <p>[87] (WO2017/120371)</p> <p>[30] US (62/276,655) 2016-01-08</p> <p>[30] US (62/327,857) 2016-04-26</p>	<p>[11] 3,013,437 [13] C</p> <p>[51] Int.Cl. G06K 7/10 (2006.01) G01M 99/00 (2011.01) E21B 47/01 (2012.01) E21B 47/12 (2012.01) G06K 19/077 (2006.01)</p> <p>[25] EN</p> <p>[54] CARRIER AND BAND ASSEMBLY FOR IDENTIFYING AND MANAGING A COMPONENT OF A SYSTEM ASSOCIATED WITH A WELLHEAD</p> <p>[54] ENSEMBLE SUPPORT ET BANDE POUR IDENTIFIER ET GERER UN ELEMENT D'UN SYSTEME ASSOCIE A UNE TETE DE PUITS</p> <p>[72] WARD, BEN, US</p> <p>[72] MYERS, JEFF, US</p> <p>[72] LANDRUM, CONNOR, US</p> <p>[72] SMITH, PRESTON, US</p> <p>[73] SPM OIL & GAS INC., US</p> <p>[85] 2018-08-01</p> <p>[86] 2016-08-10 (PCT/US2016/046364)</p> <p>[87] (WO2017/030870)</p> <p>[30] US (62/205,223) 2015-08-14</p>
<p>[11] 3,010,892 [13] C</p> <p>[51] Int.Cl. B67D 1/08 (2006.01)</p> <p>[25] EN</p> <p>[54] CARTRIDGE FOR A BEVERAGE OR FOOD SUBSTRATE</p> <p>[54] CARTOUCHE POUR SUBSTRAT DE BOISSON OU D'ALIMENT</p> <p>[72] KRUGER, MARC, DE</p> <p>[72] EMPL, GUNTER, DE</p> <p>[72] FISCHER, DANIEL, CH</p> <p>[73] FREEZIO AG, CH</p> <p>[85] 2018-07-09</p> <p>[86] 2017-01-12 (PCT/EP2017/050563)</p> <p>[87] (WO2017/121798)</p> <p>[30] DE (10 2016 200 254.6) 2016-01-12</p> <p>[30] DE (10 2016 212 012.3) 2016-07-01</p> <p>[30] DE (10 2016 212 013.1) 2016-07-01</p> <p>[30] DE (10 2016 218 509.8) 2016-09-27</p> <p>[30] DE (10 2016 218 507.1) 2016-09-27</p> <p>[30] DE (10 2016 218 884.4) 2016-09-29</p>	<p>[11] 3,012,063 [13] C</p> <p>[51] Int.Cl. C07K 2/00 (2006.01) A23L 33/185 (2016.01) A61K 8/64 (2006.01) A61K 38/02 (2006.01) A61P 25/28 (2006.01) A61P 37/02 (2006.01) A61P 39/06 (2006.01) C07K 1/14 (2006.01) C07K 1/34 (2006.01) C12P 21/06 (2006.01)</p> <p>[25] EN</p> <p>[54] WALNUT OLIGOPEPTIDE POWDER, PREPARATION METHOD AND APPLICATION THEREOF</p> <p>[54] POUDRE D'OLIGOPEPTIDES DE NOIX, SON PROCEDE DE PREPARATION ET SON APPLICATION</p> <p>[72] WANG, ZHAORI, CN</p> <p>[72] LIU, MINGCHUAN, CN</p> <p>[72] YANG, SHENGJIE, CN</p> <p>[72] HONG, DA, CN</p> <p>[72] YANG, JINPING, CN</p> <p>[73] SINPHAR TIAN-LI (HANGZHOU) PHARMACY COMPANY LIMITED, CN</p> <p>[85] 2018-07-20</p> <p>[86] 2017-01-18 (PCT/CN2017/000121)</p> <p>[87] (WO2017/124921)</p> <p>[30] CN (201610043952.0) 2016-01-22</p>	<p>[11] 3,014,028 [13] C</p> <p>[51] Int.Cl. A01N 59/08 (2006.01) A01K 61/13 (2017.01) A61K 33/14 (2006.01) A61K 35/08 (2015.01)</p> <p>[25] EN</p> <p>[54] PREPARATION CONTAINING SEA WATER ADDED A POTASSIUM COMPOUND</p> <p>[54] PREPARATION CONTENANT DE L'EAU DE MER ADDITIONNEE D'UN COMPOSE DE POTASSIUM</p> <p>[72] KANDAL, INGE ARNE, NO</p> <p>[73] VESTLAND PHARMA AS, NO</p> <p>[85] 2018-08-08</p> <p>[86] 2017-03-02 (PCT/NO2017/050059)</p> <p>[87] (WO2017/150988)</p> <p>[30] NO (20160382) 2016-03-04</p>

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<p style="text-align: right;">[11] 3,021,412</p> <p style="text-align: right;">[13] C</p> <p>[51] Int.Cl. G06F 9/46 (2006.01) G06F 8/41 (2018.01) G06F 9/38 (2018.01)</p> <p>[25] EN</p> <p>[54] COMPILER METHOD</p> <p>[54] METHODE DE COMPILEUR</p> <p>[72] KNOWLES, SIMON CHRISTIAN, GB</p> <p>[72] WILKINSON, DANIEL JOHN PELHAM, GB</p> <p>[72] OSBORNE, RICHARD LUKE SOUTHWELL, GB</p> <p>[72] ALEXANDER, ALAN GRAHAM, GB</p> <p>[72] FELIX, STEPHEN, GB</p> <p>[72] MANGNALL, JONATHAN, GB</p> <p>[72] LACEY, DAVID, GB</p> <p>[73] GRAPHCORE LIMITED, GB</p> <p>[86] (3021412)</p> <p>[87] (3021412)</p> <p>[22] 2018-10-19</p> <p>[30] GB (1717304.8) 2017-10-20</p>

<p style="text-align: right;">[11] 3,022,234</p> <p style="text-align: right;">[13] C</p> <p>[51] Int.Cl. A24F 40/42 (2020.01) A24F 40/46 (2020.01) A24B 15/16 (2020.01)</p> <p>[25] EN</p> <p>[54] ADDITIVE ASSEMBLY FOR ELECTRONIC VAPING DEVICE</p> <p>[54] ENSEMBLE ADDITIF DESTINE A UN DISPOSITIF ELECTRONIQUE DE VAPOTAGE</p> <p>[72] KARLES, GEORGIOS, US</p> <p>[72] OGBONLOWO, TRACY M., US</p> <p>[72] CRAWFORD, DANIELLE, US</p> <p>[72] LI, SAN, US</p> <p>[73] PHILIP MORRIS PRODUCTS S.A., CH</p> <p>[85] 2018-10-25</p> <p>[86] 2017-07-07 (PCT/EP2017/067160)</p> <p>[87] (WO2018/007625)</p> <p>[30] US (15/204,361) 2016-07-07</p>

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<p align="right">[11] 3,028,939</p> <p align="right">[13] C</p> <p>[51] Int.Cl. C10M 141/12 (2006.01) C10M 133/06 (2006.01) C10M 135/18 (2006.01) C10M 139/00 (2006.01) C10M 169/04 (2006.01)</p> <p>[25] EN</p> <p>[54] A COPPER CORROSION-INHIBITING LUBRICANT ADDITIVE COMPOSITION COMPRISING AN ORGANIC MOLYBDENUM COMPOUND AND A DIALKYLMINE COMPOUND</p> <p>[54] COMPOSITION D'ADDITIF DE LUBRIFIANT POUR INHIBER LA CORROSION DU CUIVRE COMPRENANT UN COMPOSE DE MOLYBDENE ORGANIQUE ET UN COMPOSE DE DIALKYLMINE</p> <p>[72] IINO, SHINJI, JP</p> <p>[72] KATSUNO, EIJI, JP</p> <p>[72] SUMI, TARO, JP</p> <p>[73] ADEKA CORPORATION, JP</p> <p>[85] 2018-12-20</p> <p>[86] 2017-06-27 (PCT/JP2017/023621)</p> <p>[87] (WO2018/003815)</p> <p>[30] JP (2016-128713) 2016-06-29</p>	<p align="right">[11] 3,032,299</p> <p align="right">[13] C</p> <p>[51] Int.Cl. A61K 31/341 (2006.01) A61K 31/13 (2006.01) A61P 25/28 (2006.01) C07D 307/14 (2006.01)</p> <p>[25] EN</p> <p>[54] A2-73 AS A THERAPEUTIC FOR INSOMNIA, ANXIETY AND AGITATION</p> <p>[54] A2-73 EN TANT QU'AGENT THERAPEUTIQUE CONTRE L'INSOMNIE, L'ANXIETE ET L'AGITATION</p> <p>[72] MISSLING, CHRISTOPHER, US</p> <p>[73] ANAVEX LIFE SCIENCES CORP., US</p> <p>[85] 2019-01-28</p> <p>[86] 2017-07-27 (PCT/US2017/044111)</p> <p>[87] (WO2018/022848)</p> <p>[30] US (62/367,253) 2016-07-27</p>	<p align="right">[11] 3,033,906</p> <p align="right">[13] C</p> <p>[51] Int.Cl. C09D 9/00 (2006.01) C11D 3/44 (2006.01) C11D 7/50 (2006.01) G03F 7/42 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITION AND METHOD FOR REMOVING A COATING FROM A SURFACE</p> <p>[54] COMPOSITION ET PROCEDE POUR ELIMINER UN REVETEMENT D'UNE SURFACE</p> <p>[72] MOROSE, GREGORY, US</p> <p>[73] THE UNIVERSITY OF MASSACHUSETTS, US</p> <p>[85] 2019-02-13</p> <p>[86] 2017-08-24 (PCT/US2017/048338)</p> <p>[87] (WO2018/039415)</p> <p>[30] US (62/379,498) 2016-08-25</p>

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[13] C

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- [25] EN
- [54] **UTILITY WHISKER BROOM**
- [54] **BALAI A BARBES UTILITAIRE**
- [72] SLABY, MICHAL, CZ
- [72] JELINEK, VACLAV J., US
- [72] VOUGHT, MICHAEL L., US
- [73] DOOSAN BOBCAT NORTH AMERICA, INC., US
- [85] 2019-03-01
- [86] 2017-09-05 (PCT/US2017/050080)
- [87] (WO2018/045375)
- [30] US (62/383,095) 2016-09-02
- [30] US (62/393,917) 2016-09-13

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- [51] Int.Cl. A61B 3/02 (2006.01) A61B 3/00 (2006.01) A61B 3/028 (2006.01)
- [25] EN
- [54] **SYSTEMS AND METHODS FOR VISION TESTING**
- [54] **SYSTEMES ET PROCEDES POUR TEST DE VISION**
- [72] TANG, DAVID, FR
- [72] MOINARD, BRUNO, FR
- [72] ROUSSEAU, DAMIEN, FR
- [72] MOLINARO, ANDREA, FR
- [73] ESSILOR INTERNATIONAL, FR
- [85] 2019-03-06
- [86] 2017-03-24 (PCT/EP2017/057132)
- [87] (WO2018/050297)
- [30] US (62/394,515) 2016-09-14

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[13] C

- [51] Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) A61P 11/12 (2006.01) C07D 471/14 (2006.01) C07D 498/14 (2006.01)
- [25] EN
- [54] **MODULATOR OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR, PHARMACEUTICAL COMPOSITIONS, METHODS OF TREATMENT, AND PROCESS FOR MAKING THE MODULATOR**
- [54] **MODULATEUR DE REGULATEUR DE CONDUCTANCE TRANSMEMBRANAIRE DE FIBROSE KYSTIQUE, COMPOSITIONS PHARMACEUTIQUES, PROCEDES DE TRAITEMENT ET PROCEDE DE FABRICATION DU MODULATEUR**
- [72] ALCACIO, TIMOTHY, US
- [72] BAEK, MINSON, US
- [72] GROOTENHUIS, PETER, US
- [72] KESHAVARZ-SHOKRI, ALI, US
- [72] MCALEY-AOKI, RACHEL, US
- [72] MCCARTNEY, JASON, US
- [72] VAN GOOR, FREDRICK, US
- [72] ZHANG, BEILI, US
- [72] CLEVELAND, THOMAS, US
- [72] KHATUYA, HARIPADA, US
- [72] MELILLO, VITO, US
- [72] UY, JOHNNY, US
- [72] ZHOU, JINGLAN, US
- [72] PARASELLI, PRASUNA, US
- [72] HADIDA RUAH, SARA SABINA, US
- [72] HUGHES, ROBERT M., US
- [72] MILLER, MARK THOMAS, US
- [72] ANDERSON, COREY, US
- [72] FRIEMAN, BRYAN A., US
- [72] JOSHI, PRAMOD VIRUPAX, US
- [72] KRENITSKY, PAUL JOHN, US
- [72] PIERRE, FABRICE JEAN DENIS, US
- [72] TERMIN, ANDREAS P., US
- [72] ABELA, ALEXANDER RUSSELL, US
- [72] BUSCH, BRETT BRADLEY, US
- [72] SIESEL, DAVID ANDREW, US
- [73] VERTEX PHARMACEUTICALS INCORPORATED, US
- [85] 2019-03-21
- [86] 2017-09-29 (PCT/US2017/054611)
- [87] (WO2018/064632)
- [30] US (62/402,838) 2016-09-30
- [30] US (62/410,353) 2016-10-19
- [30] US (62/415,409) 2016-10-31
- [30] US (62/419,935) 2016-11-09

[11] **3,039,105**
[13] C

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- [25] EN
- [54] **BIOSYNTHETIC PRODUCTION OF STEVIOL GLYCOSIDES AND PROCESSES THEREFORE**
- [54] **PRODUCTION BIOSYNTHETIQUE DE GLYCOSIDES DE STEVIOL ET PROCEDES ASSOCIES**
- [72] MAO, GUOHONG, US
- [72] VICK, JACOB EDWARD, US
- [72] BATTEN, MICHAEL, US
- [72] BYUN, DAVID, US
- [72] LUO, YANG, CN
- [72] WU, YILIN, CN
- [72] ZHANG, BEIHUA, CN
- [72] YU, XIAODAN, US
- [73] CONAGEN INC., US
- [85] 2019-03-29
- [86] 2017-10-13 (PCT/US2017/056457)
- [87] (WO2018/071744)
- [30] US (62/408,179) 2016-10-14
- [30] US (62/555,809) 2017-09-08

[11] **3,040,341**
[13] C

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- [25] EN
- [54] **CRYSTALLINE FORM OF (1R,2R)-2-[4-(3-METHYL-1H-PYRAZOL-5-YL)BENZOYL]-N-(4-OXO-4,5,6,7-TETRAHYDROPYRAZOLO[1,5-A]PYRAZIN-3-YL)CYCLOHEXANE CARBOXAMIDE**
- [54] **FORME CRISTALLINE DE (1R,2R)-2-[4-(3-METHYL-1H-PYRAZOL-5-YL)BENZOYL]-N-(4-OXO-4,5,6,7-TETRAHYDROPYRAZOLO[1,5-A]PYRAZIN-3-YL)CYCLOHEXANE CARBOXAMIDE**
- [72] PETTERSEN, ANNA MATILDA ANGELICA, SE
- [73] ASTRAZENECA AB, SE
- [85] 2019-04-12
- [86] 2017-10-27 (PCT/EP2017/077602)
- [87] (WO2018/078097)
- [30] US (62/414,109) 2016-10-28

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[54] SYSTEM AND METHOD FOR TRANSFORMING ATMOSPHERIC CORRECTIONS BETWEEN CORRECTION SYSTEMS	[54] SYSTEME ET METHODE DE TRANSFORMATION DE CORRECTIONS ATMOSPHERIQUES ENTRE DES SYSTEMES DE CORRECTION	[54] PROTECTION CONTRE LES SURTENSIONS AVEC RESISTANCES	[72] BOSCHE, DIRK, DE	[54] FLUID PRESSURE PULSE GENERATOR FOR A TELEMETRY TOOL	[72] LEE, GAVIN GAW-WAE, CA
[72] JOKINEN, ALTTI SAMULI, CA	[73] NOVATEL INC., CA	[72] WILKENING, ERNST-DIETER, DE	[73] ELLENBERGER & POENSGEN GMBH, DE	[72] LOGAN, JUSTIN C., CA	[72] LOGAN, AARON W., CA
[86] (3041537)	[87] (3041537)	[85] 2019-06-06	[86] 2018-03-19 (PCT/EP2018/056912)	[73] BAKER HUGHES CANADA COMPANY, CA	[87] (WO2018/172295)
[22] 2019-04-29	[30] US (15/994,533) 2018-05-31	[30] DE (10 2017 204 695.3) 2017-03-21	[30] US (62/440,048) 2016-12-29	[85] 2019-07-02	[86] 2017-12-07 (PCT/CA2017/051481)
[11] 3,041,927	[13] C	[11] 3,048,765	[13] C	[11] 3,049,841	[13] C
[51] Int.Cl. C10M 141/12 (2006.01)	[25] EN	[51] Int.Cl. C10L 9/02 (2006.01) B09B 3/40 (2022.01) B09B 3/80 (2022.01) C10L 5/44 (2006.01) C10L 5/46 (2006.01) C10L 5/48 (2006.01)	[25] EN	[51] Int.Cl. B67D 1/00 (2006.01)	[25] EN
[54] LUBRICATING OIL COMPOSITIONS AND METHOD FOR PREVENTING OR REDUCING LOW SPEED PRE-IGNITION IN DIRECT INJECTED SPARK-IGNITED ENGINES	[54] COMPOSITIONS D'HUILE LUBRIFIANTE ET PROCEDE POUR EMPECHER OU REDUIRE LE PREALLUMAGE A FAIBLE VITESSE DANS DES MOTEURS A ALLUMAGE PAR ETINCELLES A INJECTION DIRECTE	[54] METHODOLOGY FOR TREATING BIOMASS, COAL, MSW/ANY KIND OF WASTES AND SLUDGES FROM SEWAGE TREATMENT PLANTS TO PRODUCE CLEAN/UPGRADED MATERIALS FOR THE PRODUCTION OF HYDROGEN, ENERGY AND LIQUID FUELS-CHEMICALS	[54] PNEUMATICALLY OPERATED VALVE FOR CARBONATION MACHINE	[54] SOUPAPE A COMMANDE PNEUMATIQUE POUR MACHINE DE CARBONATATION	[72] WAISMAN, ALON, IL
[72] ELLIOTT, IAN G., US	[72] VAN DAM, WILLEM, US	[54] METHODOLOGIE DE TRAITEMENT DE BIOMASSE, CHARBON, DSM/N'IMPORTE QUEL TYPE DE DECHETS ET DE BOUES PROVENANT DE STATIONS D'EPURATION D'EAUX USEES POUR PRODUIRE DES MATERIAUX PROPRES/ DE PLUS GRANDE VALEUR POUR LA PRODUCTION D'HYDROGENE, D'ENERGIE ET DE CARBURANTS LIQUIDES- PRODUITS CHIMIQUES	[73] SODASTREAM INDUSTRIES LTD., IL	[85] 2019-07-10	[73] SODASTREAM INDUSTRIES LTD., IL
[73] CHEVRON ORONITE COMPANY LLC, US	[85] 2019-04-25	[72] ARVELAKIS, STYLIANOS, GR	[86] 2017-03-16 (PCT/IL2017/050333)	[87] (WO2018/134809)	[85] 2019-07-10
[86] 2018-01-17 (PCT/US2018/013976)	[87] (WO2018/136470)	[73] ARVELAKIS, STYLIANOS, GR	[30] US (15/407,327) 2017-01-17	[86] 2017-03-16 (PCT/IL2017/050333)	[87] (WO2018/134809)
[30] US (62/448,621) 2017-01-20	[85] 2019-06-27	[85] 2019-06-27	[30] GR (20160200056) 2015-12-28	[30] US (15/407,327) 2017-01-17	[86] 2017-03-16 (PCT/IL2017/050333)

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 - [25] EN
 - [54] **PATINATED OR PATINA-READY METAL TRANSACTION CARDS AND MANUFACTURING PROCESSES**
 - [54] **CARTES DE TRANSACTION METALLIQUES AVEC PATINE OU PRETES POUR LA PATINE ET PROCEDES DE FABRICATION**
 - [72] LOWE, ADAM, US
 - [73] COMPOSECURE, LLC, US
 - [85] 2019-07-12
 - [86] 2018-01-23 (PCT/US2018/014820)
 - [87] (WO2018/140388)
 - [30] US (62/450,792) 2017-01-26
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[11] 3,051,285
[13] C

- [51] Int.Cl. H04L 27/26 (2006.01)
- [25] EN
- [54] **INFORMATION TRANSMISSION METHOD AND APPARATUS**
- [54] **PROCEDE ET APPAREIL DE TRANSMISSION D'INFORMATIONS**
- [72] ZHANG, XI, CN
- [72] XU, MINGHUI, CN
- [72] CHEN, LEI, CN
- [73] HUAWEI TECHNOLOGIES CO., LTD, CN
- [85] 2019-07-23
- [86] 2018-06-12 (PCT/CN2018/090913)
- [87] (WO2018/228400)
- [30] CN (201710444084.1) 2017-06-13
- [30] CN (201710920235.6) 2017-09-30

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- [25] EN
- [54] **APPARATUS, SYSTEMS AND METHODS FOR INTEGRATIVE PHOTO-OPTICAL/MECHANICAL TEST FOR NONCONTACT MEASUREMENT OF POLYMERIZATION**
- [54] **APPAREIL, SYSTEMES ET PROCEDES POUR UN TEST PHOTO-OPTIQUE/MECANIQUE INTEGRE PERMETTANT UNE MESURE SANS CONTACT DE LA POLYMERISATION**
- [72] KHISMATULLIN, DAMIR B., US
- [72] LOU, DAISHEN, US
- [73] THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND, US
- [85] 2019-07-23
- [86] 2018-01-23 (PCT/US2018/014879)
- [87] (WO2018/136949)
- [30] US (62/449,404) 2017-01-23

[11] 3,051,690
[13] C

- [51] Int.Cl. A47J 36/10 (2006.01) A47J 43/07 (2006.01)
- [25] EN
- [54] **FOOD PROCESSOR LID**
- [54] **COUVERCLE DE ROBOT CULINAIRE**
- [72] CODY, THOMAS EDWARD KINGSBOROUGH, GB
- [72] POTTER, JAMES RICHARD, GB
- [72] CHAMBERS, OLIVER HENRY SHERSTON, GB
- [72] ROBERTS, ANDREW DAVID, GB
- [73] SHARKNINJA OPERATING LLC, US
- [85] 2019-07-25
- [86] 2018-01-24 (PCT/US2018/015053)
- [87] (WO2018/140498)
- [30] US (62/451,166) 2017-01-27

[11] 3,052,345
[13] C

- [51] Int.Cl. B01J 27/24 (2006.01) C10G 2/00 (2006.01)
- [25] EN
- [54] **FISCHER-TROPSCH SYNTHESIS CATALYST CONTAINING NITRIDE CARRIER, AND PREPARATION METHOD THEREFOR AND USE THEREOF**
- [54] **CATALYSEUR DE SYNTHESE FISCHER-TROPSCH CONTENANT UN VEHICULE DE NITRURE, METHODE DE PREPARATION ET UTILISATION CONNEXE**
- [72] ZHANG, CHENGHUA, CN
- [72] LI, YONGWANG, CN
- [72] YANG, YONG, CN
- [72] WANG, HULIN, CN
- [72] WANG, XIANZHOU, CN
- [72] XIANG, HONGWEI, CN
- [73] SYNFUELS CHINA TECHNOLOGY CO., LTD., CN
- [85] 2019-08-01
- [86] 2018-04-10 (PCT/CN2018/082463)
- [87] (WO2018/205787)
- [30] CN (201710320760.4) 2017-05-09

[11] 3,052,373
[13] C

- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 31/19 (2006.01) A61K 47/34 (2017.01) A61Q 3/02 (2006.01)
- [25] EN
- [54] **PEELABLE NAIL LACQUER**
- [54] **VERNIS A ONGLES PEELABLE**
- [72] ROSSEL, BART, BE
- [73] OYSTERSHELL NV, BE
- [85] 2019-08-01
- [86] 2018-02-23 (PCT/EP2018/054597)
- [87] (WO2018/154085)
- [30] BE (2017/5115) 2017-02-24
- [30] EP (17193522.4) 2017-09-27

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<p style="text-align: right;">[11] 3,053,919 [13] C</p> <p>[51] Int.Cl. H04W 72/12 (2023.01) [25] EN [54] COMMUNICATION METHOD, NETWORK DEVICE, TERMINAL DEVICE, COMPUTER READABLE STORAGE MEDIUM, COMPUTER PROGRAM PRODUCT, PROCESSING APPARATUS AND COMMUNICATION SYSTEM [54] PROCEDE DE COMMUNICATION, DISPOSITIF DE RESEAU, TERMINAL, SUPPORT D'ENREGISTREMENT SOUS FORMAT ELECTRONIQUE, PRODUIT DE PROGRAMME INFORMATIQUE, APPAREIL DE TRAITEMENT ET SYSTEME DE COMMUNICATION [72] LIU, YONG, CN [72] REN, XIANG, CN [73] HUAWEI TECHNOLOGIES CO., LTD., CN [85] 2019-07-11 [86] 2018-04-16 (PCT/CN2018/083157) [87] (WO2019/136871) [30] CN (201810030620.8) 2018-01-12</p> <hr/> <p style="text-align: right;">[11] 3,055,448 [13] C</p> <p>[51] Int.Cl. G01N 33/38 (2006.01) G01N 22/02 (2006.01) [25] EN [54] PROBING A STRUCTURE OF CONCRETE BY MEANS OF ELECTROMAGNETIC WAVES [54] SONDAGE D'UNE STRUCTURE DE BETON AU MOYEN D'ONDES ELECTROMAGNETIQUES [72] LEHNER, SAMUEL, CH [72] MENNICKE, RALPH, CH [73] PROCEQ SA, CH [85] 2019-09-05 [86] 2017-03-10 (PCT/CH2017/000028) [87] (WO2018/161183)</p>	<p style="text-align: right;">[11] 3,056,913 [13] C</p> <p>[51] Int.Cl. C08F 6/22 (2006.01) C08J 3/16 (2006.01) [25] EN [54] METHOD FOR PRODUCING CARBOXYLATED NITRILE RUBBER [54] PROCEDE DE PRODUCTION D'UN CAOUTCHOUC NITRILE CARBOXYLE [72] YOSHIMURA, TSUTOMU, JP [73] ZEON CORPORATION, JP [85] 2019-09-17 [86] 2018-03-16 (PCT/JP2018/010452) [87] (WO2018/180590) [30] JP (2017-062691) 2017-03-28</p> <hr/> <p style="text-align: right;">[11] 3,057,956 [13] C</p> <p>[51] Int.Cl. D21H 21/56 (2006.01) D21H 13/02 (2006.01) D21H 13/14 (2006.01) D21H 13/16 (2006.01) D21H 13/26 (2006.01) [25] EN [54] METHOD OF PRODUCING A FIBROUS WEB USING RECYCLED TEXTILE FIBRES [54] METHODE DE PRODUCTION D'UNE TOILE FIBREUSE AU MOYEN DE FIBRES TEXTILES RECYCLEES [72] MUSTONEN, TUOMAS, FI [72] TORNIAINEN, ESA, FI [72] KINNUNEN-RAUDASKOSKI, KARITA, FI [72] JUVONEN, MARJA, FI [73] PAPTIC OY, FI [85] 2019-09-25 [86] 2017-05-23 (PCT/FI2017/050384) [87] (WO2017/203101) [30] FI (20165429) 2016-05-23</p>	<p style="text-align: right;">[11] 3,058,808 [13] C</p> <p>[51] Int.Cl. H02J 3/28 (2006.01) H02P 9/48 (2006.01) [25] EN [54] HIGH EFFICIENCY ELECTRIC POWER GENERATION AND CHARGING SYSTEM [54] SYSTEME DE PRODUCTION ET DE CHARGE A HAUT RENDEMENT DE PUISSANCE ELECTRIQUE [72] CAO, CALVIN CUONG, US [73] CAO, CALVIN CUONG, US [85] 2019-10-01 [86] 2018-04-03 (PCT/US2018/025948) [87] (WO2018/187369) [30] US (62/481,626) 2017-04-04 [30] US (62/583,335) 2017-11-08 [30] US (15/943,409) 2018-04-02</p> <hr/> <p style="text-align: right;">[11] 3,059,248 [13] C</p> <p>[51] Int.Cl. B01L 3/00 (2006.01) B81B 7/02 (2006.01) G01N 33/18 (2006.01) G01N 33/48 (2006.01) [25] EN [54] MICROFLUIDICS CHIP WITH SENSOR DIE CLAMPING STRUCTURES [54] PUCE MICROFLUIDIQUE DOTEE DE STRUCTURES DE SERRAGE DE MATRICE DE CAPTEUR [72] BROWN, RICHARD B., US [72] NOVAK, ONDREJ, US [73] E-SENS, INC., US [85] 2019-10-04 [86] 2018-04-06 (PCT/US2018/026428) [87] (WO2018/187672) [30] US (15/482,277) 2017-04-07</p>
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- [51] Int.Cl. G02B 19/00 (2006.01) F21V 5/04 (2006.01) F21V 7/00 (2006.01)
 - [25] EN
 - [54] TOTAL INTERNAL REFLECTION LENS TO LESSEN GLARE AND MAINTAIN COLOR MIXING AND BEAM CONTROL
 - [54] LENTILLE A REFLEXION TOTALE INTERNE POUR DIMINUER LES EBLOUISSEMENTS ET MAINTENIR LE MELANGE DES COULEURS ET LE CONTROLE DES FAISCEAUX
 - [72] DONG, FANGXU, US
 - [73] LUTRON TECHNOLOGY COMPANY LLC, US
 - [85] 2019-10-25
 - [86] 2018-04-27 (PCT/US2018/029840)
 - [87] (WO2018/200983)
 - [30] US (15/498,671) 2017-04-27
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[11] **3,063,766**
[13] C

- [51] Int.Cl. D06F 35/00 (2006.01) A47L 25/00 (2006.01) B08B 11/00 (2006.01) D06F 15/00 (2006.01)
- [25] EN
- [54] MATTRESS CLEANING SYSTEM
- [54] SYSTEME DE NETTOYAGE DE MATELAS
- [72] COMEAU, ROBERT, CA
- [72] AMBORSKY, ROBERT, CA
- [73] MATTRESS SPA INC., CA
- [85] 2019-11-15
- [86] 2018-05-29 (PCT/CA2018/050624)
- [87] (WO2018/223219)
- [30] US (62/517,286) 2017-06-09

[11] **3,065,731**
[13] C

- [51] Int.Cl. G06Q 40/08 (2012.01) G07C 5/00 (2006.01)
 - [25] EN
 - [54] SYSTEMS AND METHODS FOR SYSTEM GENERATED DAMAGE ANALYSIS
 - [54] SYSTEMES ET PROCEDES D'ANALYSE DE DOMMAGES AUTOMATISEE
 - [72] WALSH, CONNOR, US
 - [72] HARASYMCZUK, REBECCA, US
 - [72] GORE, CALEB BRIAN SLAUGHTER, US
 - [72] CARMICHAEL, RYAN, US
 - [73] ALLSTATE INSURANCE COMPANY, US
 - [86] (3065731)
 - [87] (3065731)
 - [22] 2019-12-20
 - [30] US (16/232,231) 2018-12-26
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[11] **3,067,048**
[13] C

- [51] Int.Cl. C12Q 1/6806 (2018.01)
- [25] EN
- [54] HYDROGEL BEADS FOR NUCLEOTIDE SEQUENCING
- [54] BILLES D'HYDROGEL POUR LE SEQUENCAGE NUCLEOTIDIQUE
- [72] WU, YIR-SHYUAN, US
- [72] CHEN, XI-JUN, US
- [72] GORPE-YASAR, FILIZ, US
- [72] NOE, FALKO, US
- [72] LIN, CHARLES, US
- [72] KHURANA, TARUN KUMAR, US
- [72] MASHAYEKHI, FOAD, US
- [72] DAGGUMATI, PALLAVI, US
- [72] STEEMERS, FRANK J., US
- [72] GUNDERSON, KEVIN L., US
- [72] FISHER, JEFFREY S., US
- [73] ILLUMINA, INC., US
- [85] 2019-12-11
- [86] 2018-08-01 (PCT/US2018/044855)
- [87] (WO2019/028166)
- [30] US (62/539,956) 2017-08-01

[11] **3,068,660**
[13] C

- [51] Int.Cl. C10M 129/54 (2006.01)
 - [25] EN
 - [54] LUBRICATING OIL MAGNESIUM DETERGENTS AND METHOD OF MAKING AND USING SAME
 - [54] DETERGENTS A BASE DE MAGNESIUM POUR HUILE LUBRIFIANTE ET PROCEDE DE FABRICATION ET D'UTILISATION DE CES DETERGENTS
 - [72] BOFFA, ALEXANDER BOWMAN, US
 - [72] WARD, JACOB DANIEL, US
 - [72] LE DEORE, CHRISTOPHE P., FR
 - [72] MILLER, BRENDAN P., US
 - [72] CAMPBELL, CURTIS BAY, US
 - [73] CHEVRON ORONITE COMPANY LLC, US
 - [73] CHEVRON ORONITE SAS, FR
 - [85] 2019-12-30
 - [86] 2018-06-28 (PCT/IB2018/054803)
 - [87] (WO2019/003176)
 - [30] US (62/527,152) 2017-06-30
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[11] **3,068,664**
[13] C

- [51] Int.Cl. C10M 129/54 (2006.01)
- [25] EN
- [54] LUBRICATING ENGINE OIL COMPOSITIONS CONTAINING DETERGENT COMPOUNDS
- [54] COMPOSITIONS D'HUILE LUBRIFIANTE POUR MOTEUR CONTENANT DES COMPOSES DETERGENTS
- [72] BOFFA, ALEXANDER BOWMAN, US
- [72] HARTGERS, WALTER ALEXANDER, NL
- [72] HOSSEINI, SEYEDEH MAHBOOBEH, US
- [72] WARD, JACOB DANIEL, US
- [72] LE DEORE, CHRISTOPHE P., FR
- [72] MILLER, BRENDAN P., US
- [72] TU, XIAOMIN HELEN, US
- [72] CAMPBELL, CURTIS BAY, US
- [72] LI, YUE-RONG, US
- [73] CHEVRON ORONITE COMPANY LLC, US
- [73] CHEVRON ORONITE TECHNOLOGY B.V., NL
- [73] CHEVRON ORONITE SAS, FR
- [85] 2019-12-30
- [86] 2018-06-28 (PCT/IB2018/054804)
- [87] (WO2019/003177)
- [30] US (62/527,211) 2017-06-30

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5 mars 2024

[11] 3,068,707

[13] C

[51] Int.Cl. C10M 159/22 (2006.01) C10M
169/04 (2006.01)

[25] EN

[54] LOW VISCOSITY ENGINE OILS
CONTAINING ISOMERIZED
PHENOLIC-BASED DETERGENTS

[54] HUILES DE MOTEUR A FAIBLE
VISCOSITE CONTENANT DES
DETERGENTS A BASE DE
COMPOSES PHENOLIQUES
ISOMERISES

[72] BOFFA, ALEXANDER BOWMAN,
US

[72] WARD, JACOB DANIEL, US

[72] MILLER, BRENDAN P., US

[72] TANAKA, ISAO, JP

[72] OHKUBO, HITOSHI, JP

[72] KUBO, KOICHI, JP

[72] MILLER, JOHN ROBERT, US

[72] CAMPBELL, CURTIS BAY, US

[73] CHEVRON ORONITE COMPANY
LLC, US

[73] CHEVRON JAPAN LTD., JP

[85] 2019-12-30

[86] 2018-06-28 (PCT/IB2018/054807)

[87] (WO2019/003179)

[30] US (62/527,119) 2017-06-30

[11] 3,069,240

[13] C

[51] Int.Cl. C01B 3/02 (2006.01) C01B 3/38
(2006.01) C01B 3/48 (2006.01) C01B
13/02 (2006.01) C01C 1/04 (2006.01)

[25] EN

[54] METHOD FOR THE
PREPARATION OF AMMONIA
SYNTHESIS GAS

[54] METHODE DE PREPARATION
D'UN GAZ DE SYNTHESE
D'AMMONIAC

[72] HAN, PAT A., DK

[72] KROLL JENSEN, ANNETTE E., DK

[73] TOPSOE A/S, DK

[85] 2020-01-07

[86] 2018-07-11 (PCT/EP2018/068802)

[87] (WO2019/020376)

[30] DK (PA 2017 00425) 2017-07-25

[11] 3,069,511

[13] C

[51] Int.Cl. G01D 21/00 (2006.01) G07C
5/08 (2006.01) G05D 1/228 (2024.01)
G05D 1/24 (2024.01)

[25] EN

[54] DISTRIBUTED DATA
PROCESSING SYSTEMS FOR
PROCESSING REMOTELY
CAPTURED SENSOR DATA

[54] SYSTEMES DE TRAITEMENT DE
DONNEES DISTRIBUEES POUR
TRAITER DES DONNEES DE
CAPTEUR CAPTUREES A
DISTANCE

[72] HARISH, PRATHEEK
MYLANAHALLI, US

[72] YEOMANS, BENJAMIN
ROBERTSON, US

[72] HERRMANN, ALEXANDER, US

[72] SCHMITT, KYLE PATRICK, US

[73] ALLSTATE INSURANCE
COMPANY, US

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[11] 3,069,616

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[51] Int.Cl. C10M 141/12 (2006.01)

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[54] METHOD FOR PREVENTING OR
REDUCING LOW SPEED PRE-
IGNITION IN DIRECT INJECTED
SPARK-IGNITED ENGINES WITH
COBALT-CONTAINING
LUBRICANT

[54] PROCEDE DE PREVENTION OU
DE REDUCTION DE PRE-
ALLUMAGE A FAIBLE VITESSE
DANS DES MOTEURS A
ALLUMAGE COMMANDE ET
INJECTION DIRECTE AVEC UN
LUBRIFIANT CONTENANT DU
COBALT

[72] ELLIOTT, IAN G., US

[72] CHERPECK, RICHARD E., US

[72] MARIA, AMIR GAMAL, US

[72] GUNAWAN, THERESA LIANG, US

[73] CHEVRON U.S.A. INC., US

[73] CHEVRON ORONITE COMPANY
LLC, US

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 - [54] COMPOSITIONS D'HUILE LUBRIFIANTE CONTENANT DU ZIRCONIUM ET PROCEDE POUR EMPECHER OU REDUIRE LE PREALLUMAGE A FAIBLE VITESSE DANS DES MOTEURS A ALLUMAGE PAR ETINCELLE A INJECTION D'IRECTE
 - [72] ELLIOTT, IAN G., US
 - [72] HOGENDOORN, RICHARD, NL
 - [72] GUNAWAN, THERESA LIANG, US
 - [72] TSANG, MAN HON, US
 - [72] CHERPECK, RICHARD E., US
 - [72] MARIA, AMIR GAMAL, US
 - [72] THOMAS, ANDREW MICHAEL, US
 - [73] CHEVRON ORONITE COMPANY LLC, US
 - [73] CHEVRON ORONITE TECHNOLOGY B.V., NL
 - [73] CHEVRON USA INC., US
 - [85] 2020-01-10
 - [86] 2018-07-11 (PCT/IB2018/055112)
 - [87] (WO2019/012447)
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 - [25] EN
 - [54] HETEROCYCLIC COMPOUNDS AS PAD INHIBITORS
 - [54] COMPOSES HETEROCYCLIQUES EN TANT QU'INHIBITEURS DE PAD
 - [72] HALLUR, GURULINGAPPA, IN
 - [72] DURAISWAMY, ATHISAYAMANI JEYARAJ, IN
 - [72] PURRA, BUCHI REDDY, IN
 - [72] RAO, N.V.S.K., IN
 - [72] RAJAGOPAL, SRIDHARAN, IN
 - [73] JUBILANT EPIPAD LLC, US
 - [85] 2020-02-21
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 - [25] EN
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 - [54] SYSTEME HYBRIDE DE REFROIDISSEMENT DIRECT ET INDIRECT D'AIR
 - [72] ABDEL-SALAM, AHMED HAMDI, CA
 - [72] LEPOULDRE, PHILIP PAUL, CA
 - [72] GERBER, MANFRED, CA
 - [73] NORTEK AIR SOLUTIONS CANADA, INC., CA
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 - [86] 2018-09-07 (PCT/CA2018/051094)
 - [87] (WO2019/046956)
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 - [72] ROGERS, JASON PAUL, NZ
 - [72] BREWSTER, GRAHAM, NZ
 - [72] LIM, DAVID TIEN ANG, NZ
 - [73] DLIP LIMITED, NZ
 - [85] 2020-03-10
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 - [54] CONDITIONNEMENT ANTIBACTERIEN
 - [72] CLARK, JASON RICHARD, GB
 - [72] MATTEY, MICHAEL, GB
 - [73] FIXED PHAGE LIMITED, GB
 - [85] 2020-03-18
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 - [54] FEUILLE DE POLYETHYLENE ET ARTICLES FABRIQUES A PARTIR DE CETTE DERNIERE
 - [72] HARDING, KENNETH C., US
 - [72] SINGLETARY, JAMES NEAL, US
 - [73] DUPONT SAFETY & CONSTRUCTION, INC., US
 - [85] 2020-03-24
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- [54] DISPOSITIF PORTE-ELECTRODE(S) POUR USINAGE PAR ELECTROEROSION, ET PROCEDE D'OBTENTION
- [72] DUCAS, MARTIN, FR
- [72] BECHELANY, MIRNA, FR
- [73] SAFRAN, FR
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 [54] SYSTEMES DE POSITIONNEMENT, DE NAVIGATION ET DE SYNCHRONISATION PAR RADIOFREQUENCE AVEC MESSAGERIE INTEGREEE ET METHODES CONNEXES
 [72] PARSCHE, FRANCIS E., US
 [72] SVATIK, EMIL G., US
 [72] ADAMS, WILLIAM C., JR., US
 [73] EAGLE TECHNOLOGY, LLC, US
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 [72] LE COMPTE, ROGER (DECEASED), FR
 [72] MORENO, PAUL, FR
 [73] DIAGDEV, FR
 [85] 2020-04-02
 [86] 2018-10-08 (PCT/FR2018/052480)
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 [72] TEAGUE, PHILIP, US
 [72] STEWART, ALEX, US
 [73] TEAGUE, PHILIP, US
 [73] STEWART, ALEX, US
 [85] 2020-04-06
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 [54] DISPOSITIF ET PROCEDE D'AMORTISSEMENT DE TONALITES ALIQUOTES
 [72] MERKOCI, ANTUN, SI
 [72] BRACIC, ALES, SI
 [73] MERKOCI, ANTUN, SI
 [73] BRACIC, ALES, SI
 [85] 2020-04-17
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 [54] PROCEDE DE SEPARATION DE HUIT COMPOSANTS D'UNE COMPOSITION DE MEDECINE CHINOISE TRADITIONNELLE
 [72] ZHANG, CHUANGFENG, CN
 [72] SHEN, SHUO, CN
 [72] SONG, LIANQIANG, CN
 [73] SHIJIAZHUANG YILING PHARMACEUTICAL CO., LTD., CN
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 [54] VACCINS ANTICANCER CIBLANT MUC16 ET LEURS UTILISATIONS
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 [72] SLAGER, ANNA, US
 [72] GARMAN, BRADLEY, US
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 [73] INOVIO PHARMACEUTICALS, INC., US
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 - [25] EN
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 - [54] DISPOSITIF DE CHAUFFAGE ELECTRIQUE POUR DISPOSITIF DE REGLAGE DE DEBIT
 - [72] SILK, KEVIN, US
 - [72] CREQUE, ANDREW, US
 - [73] SWAGELOK COMPANY, US
 - [85] 2020-04-21
 - [86] 2018-11-19 (PCT/US2018/061739)
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 - [54] UNITE DE RECEPTION LIDAR
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 - [72] KIEHN, MICHAEL, DE
 - [73] MICROVISION, INC., US
 - [85] 2020-06-15
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 - [54] COMPOSITIONS D'HUILE LUBRIFIANTE A TRES FAIBLE TENEUR EN CENDRES
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 - [72] CARABELL, KEVIN DAVID, US
 - [73] CHEVRON ORONITE COMPANY LLC, US
 - [85] 2020-06-25
 - [86] 2019-01-03 (PCT/IB2019/050045)
 - [87] (WO2019/142059)
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 - [54] SYSTEMES POUR UN INTERRUPTEUR ET UN GRADATEUR SANS FIL NEUTRE
 - [72] HALL, MASON, US
 - [72] STIMAC, TOMISLAV J., US
 - [72] WANG, AIJUN, CN
 - [73] SAVANT TECHNOLOGIES LLC, US
 - [86] (3092528)
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 - [30] US (62/899,847) 2019-09-13
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- [54] PROCEDES D'AMELIORATION DE LA MOBILITE DANS DES SYSTEMES SANS FIL
- [72] DEENOO, YUGESWAR, US
- [72] HAJIR, MOUNA, CA
- [72] PELLETIER, GHYSLAIN, CA
- [73] INTERDIGITAL PATENT HOLDINGS, INC., US
- [85] 2020-09-30
- [86] 2019-03-27 (PCT/US2019/024397)
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- [30] US (62/652,163) 2018-04-03
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 - [54] APPAREIL ET PROCEDES POUR L'INTEGRATION DE SERVICES DE RESEAU SANS FIL ET DE RESEAU DE DONNEES DE GRANDE CAPACITE
 - [72] JAYAWARDENE, DIWELAWATTE, US
 - [72] JINDAL, MANISH, US
 - [72] DAS, PRATIK, US
 - [73] CHARTER COMMUNICATION OPERATING, LLC, US
 - [85] 2020-10-14
 - [86] 2019-04-12 (PCT/US2019/027355)
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 - [30] US (62/658,465) 2018-04-16
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- [25] EN
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- [54] PROCEDE ET APPAREIL DE MESURE THZ PERMETTANT DE MESURER UN OBJET DE MESURE AU MOYEN DU RAYONNEMENT ELECTROMAGNETIQUE
- [72] KLOSE, RALPH, DE
- [73] INOEX GMBH INNOVATIONEN UND AUSRUSTUNGEN FUR DIE EXTRUSIONSTECHNIK, DE
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[54] SMART WELDING HELMETS
[54] CASQUES DE SOUDAGE INTELLIGENTS
[72] BECKER, WILLIAM JOSHUA, US
[72] SCHNEIDER, JOSEPH C., US
[73] ILLINOIS TOOL WORKS INC., US
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[22] 2021-10-16
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- [25] EN
- [54] **IMAGE CODING METHOD USING CANDIDATES FROM INTRA-PREDICTION TYPES TO PERFORM INTRA-PREDICTION**
- [54] **METHODE DE CODAGE D'IMAGES A L'AIDE DE CANDIDATS PROVENANT DE TYPES DE PREDICTION INTRA POUR LA REALISATION D'UNE PREDICTION INTRA**
- [72] CHOI, JANGWON, KR
- [72] HEO, JIN, KR
- [72] KIM, SEUNGHWAN, KR
- [72] LIM, JAEHYUN, KR
- [72] LI, LING, KR
- [73] LG ELECTRONICS INC., KR
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- [25] EN
- [54] **MEDICAL DEVICE INSERTERS AND PROCESSES OF INSERTING AND USING MEDICAL DEVICES**
- [54] **APPAREILS D'INSERTION DE DISPOSITIFS MEDICAUX ET PROCEDES D'INSERTION ET D'UTILISATION DE DISPOSITIFS MEDICAUX**
- [72] DONNAY, MANUEL LUIS, US
- [72] NGUYEN, TUAN, US
- [72] PACE, LOUIS G., US
- [72] ROBINSON, PETER G., US
- [73] ABBOTT DIABETES CARE INC., US
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- [54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
- [54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPLEMENT**
- [72] HAYASHIDA, MAKOTO, JP
- [72] UESUGI, TETSUO, JP
- [72] YAMAGUCHI, KOJI, JP
- [72] YANO, TAKASHI, JP
- [73] CANON KABUSHIKI KAISHA, JP
- [86] (3135761)
- [87] (3135761)
- [22] 2016-02-26
- [62] 2,977,940
- [30] JP (2015-039432) 2015-02-27
- [30] JP (2016-023071) 2016-02-09
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- [72] UESUGI, TETSUO, JP
- [72] YAMAGUCHI, KOJI, JP
- [72] YANO, TAKASHI, JP
- [73] CANON KABUSHIKI KAISHA, JP
- [86] (3135768)
- [87] (3135768)
- [22] 2016-02-26
- [62] 2,977,940
- [30] JP (2015-039432) 2015-02-27
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- [25] EN
- [54] **METHOD AND APPARATUS FOR RECOVERING DIELECTRIC FLUIDS USED FOR IMMERSION COOLING**
- [54] **PROCEDE ET APPAREIL DE RECUPERATION DE FLUIDES DIELECTRIQUES UTILISES POUR LE REFROIDISSEMENT PAR IMMERSION**
- [72] LAU, KAR-WING, CN
- [73] LIQUIDSTACK HOLDING B.V., NL
- [85] 2021-10-06
- [86] 2020-04-09 (PCT/IB2020/000257)
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- [30] US (16/379,136) 2019-04-09
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- [25] EN
- [54] **RETRIEVABLE FIBER OPTIC VERTICAL SEISMIC PROFILING DATA ACQUISITION SYSTEM WITH INTEGRATED LOGGING TOOL FOR GEOPHONE-EQUIVALENT DEPTH ACCURACY**
- [54] **SISTÈME RECUPÉRABLE D'ACQUISITION DE DONNEES DE PROFILAGE SISMIQUE VERTICAL A FIBRE OPTIQUE AVEC OUTIL DE DIAGRAPHIE INTEGRÉ POUR UNE PRÉCISION DE PROFONDEUR EQUIVALENTE AU GÉOPHONIQUE**
- [72] ELLMAUTHALER, ANDREAS, US
- [72] SHAW, SIMON, US
- [72] LEBLANC, MICHEL JOSEPH, US
- [72] WILLIS, MARK ELLIOTT, US
- [72] WU, XIANG, SG
- [73] HALLIBURTON ENERGY SERVICES, INC., US
- [85] 2021-10-15
- [86] 2019-06-11 (PCT/US2019/036550)
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[54] DISPOSITIF DE COLLECTE D'ANALYTE, ET PROCEDE DE COLLECTE D'ANALYTE AINSI QUE SYSTEME D'INSPECTION D'ANALYTE L'UTILISANT

[72] KOH, GHUN, KR

[72] LEE, SU-BONG, KR

[72] JUNG, YEONCHEOL, KR

[73] ALIGNED GENETICS, INC., KR

[85] 2021-10-15

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[25] EN

[54] BATTERY PERFORMANCE EVALUATION DEVICE, ELECTRONIC APPARATUS, CHARGER, AND BATTERY PERFORMANCE EVALUATION METHOD

[54] DISPOSITIF D'EVALUATION DE PERFORMANCE DE BATTERIE, APPAREIL ELECTRONIQUE, CHARGEUR ET PROCEDE D'EVALUATION DE PERFORMANCE DE BATTERIE

[72] MUNAKATA, ICHIRO, JP

[72] IGARI, SHUNTARO, JP

[72] SHOJI, HIDEKI, JP

[73] TOYO SYSTEM CO., LTD., JP

[85] 2021-11-03

[86] 2021-01-05 (PCT/JP2021/000132)

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[25] EN

[54] DURABLE LUBRICATING FLUIDS FOR ELECTRIC VEHICLES

[54] FLUIDES DE LUBRIFICATION DURABLES POUR VEHICULES ELECTRIQUES

[72] ADHVARYU, ATANU, US

[72] CLEVELAND, CHRISTOPHER, US

[72] KWAK, YUNGWAN, US

[73] AFTON CHEMICAL CORPORATION, US

[86] (3139580)

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[22] 2021-11-17

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[11] 3,140,157

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[51] Int.Cl. B01D 17/02 (2006.01) B01D 17/04 (2006.01)

[25] EN

[54] GREASE RECOVERY UNIT

[54] UNITE DE RECUPERATION DE GRAISSE

[72] HIGGINS, MALCOLM CHRISTOPHER, GB

[73] THE FILTA GROUP LTD, GB

[85] 2021-11-30

[86] 2020-05-27 (PCT/GB2020/051274)

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[25] EN

[54] HIGH-PURITY THERMOSTABLE CRYSTAL FORM OF SUBSTITUTED 3-ISOXAZOLIDINONE COMPOUND, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF

[54] FORME CRISTALLINE THERMOSTABLE DE HAUTE PURETE DE COMPOSE 3-ISOXAZOLIDINONE SUBSTITUE, SON PROCEDE DE PREPARATION ET SON APPLICATION

[72] CHEN, BANGCHI, CN

[72] GUAN, BAOCHUAN, CN

[72] SHENG, QIUJU, CN

[72] ZHANG, HONGWEI, CN

[72] XU, XIANBO, CN

[72] ZHANG, YONGLIN, CN

[72] XU, XIAOYAN, CN

[72] MU, HAIPING, CN

[72] ZHANG, ZHUOYA, CN

[73] ZHEJIANG ZHUJI UNITED CHEMICALS CO., LTD., CN

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 - [54] AGRICULTURAL IMPLEMENTS FOR SOIL AND VEGETATION ANALYSIS
 - [54] INSTRUMENTS AGRICOLES POUR ANALYSE DE SOL ET DE VEGETATION
 - [72] KOCH, DALE, US
 - [72] SWANSON, TODD, US
 - [72] LEVY, KENT, US
 - [72] VACCARI, ADAM, US
 - [72] STROLLER, JASON, US
 - [73] CLIMATE LLC, US
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 - [87] (3142363)
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- [25] EN
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- [54] ENSEMBLE CARTE DE CIRCUIT IMPRIME ET BORNE
- [72] TANG, HOUXUN, CN
- [73] VIVO MOBILE COMMUNICATION CO., LTD., CN
- [85] 2021-12-09
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[13] C

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 - [25] EN
 - [54] SYSTEM AND METHOD OF MEASUREMENT AND CALIBRATION OF ANALYTE TESTING
 - [54] SYSTEME ET PROCEDE DE MESURE ET D'ETALONNAGE DE TEST D'ANALYTE
 - [72] SAMPRONI, JENNIFER, US
 - [73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
 - [85] 2021-12-10
 - [86] 2020-06-05 (PCT/US2020/036312)
 - [87] (WO2020/251848)
 - [30] US (62/860,487) 2019-06-12
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- [25] EN
- [54] APOLIPOPROTEIN B ANTAGONIST
- [54] ANTAGONISTE DE L'APOLIPOPROTEINE B
- [72] KHAN, MICHAEL, GB
- [72] MITCHELL, DANIEL, GB
- [73] ARGONAUTE RNA LIMITED, GB
- [85] 2021-12-14
- [86] 2020-06-30 (PCT/GB2020/051573)
- [87] (WO2021/001646)
- [30] GB (1909500.9) 2019-07-02
- [30] GB (1910526.1) 2019-07-23
- [30] GB (2000906.4) 2020-01-22

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 - [25] EN
 - [54] DISUBSTITUTED PYRAZOLE COMPOUNDS AS KETOHEXOKINASE INHIBITORS
 - [54] COMPOSES PYRAZOLE DISUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE CETOHESOKINASE
 - [72] COATES, DAVID ANDREW, US
 - [72] DURHAM, TIMOTHY BARRETT, US
 - [72] JOHNSTON, RICHARD DUANE, US
 - [72] MASSEY, STEVEN MARC, US
 - [72] SPINAZZE, PATRICK GIANPIETRO, US
 - [72] STACK, DOUGLAS RICHARD, US
 - [72] TOTH, JAMES LEE, US
 - [73] ELI LILLY AND COMPANY, US
 - [85] 2021-12-14
 - [86] 2020-06-16 (PCT/US2020/037894)
 - [87] (WO2020/257171)
 - [30] US (62/862,382) 2019-06-17
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- [25] EN
- [54] ENERGY EFFICIENT VPSA SYSTEM WITH DIRECT DRIVE HIGH SPEED CENTRIFUGAL COMPRESSORS
- [54] SYSTEME VPSA A RENDEMENT ENERGETIQUE EFFICACE AVEC COMPRESSEURS CENTRIFUGES A VITESSE ELEVEE A ENTRAINEMENT DIRECT
- [72] ROSINSKI, ANDREW C., US
- [72] STUCKERT, NICHOLAS R., US
- [72] LUO, YANG, US
- [73] PRAXAIR TECHNOLOGY, INC., US
- [85] 2021-12-14
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- [30] US (62/935,937) 2019-11-15

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 - [25] EN
 - [54] SYNERGISTIC WOOD PRESERVATIVE COMPOSITION COMPRISING POLYMERIC BETAINE AND CARBAMATE
 - [54] COMPOSITION SYNERGIQUE DE CONSERVATION DU BOIS COMPRENANT DE LA BETAINE POLYMERÉE ET DU CARBAMATE
 - [72] CHEN, MIN, US
 - [72] JACOBS, JAKE ZACHARY, US
 - [73] TROY CORPORATION, US
 - [85] 2022-01-28
 - [86] 2020-08-07 (PCT/US2020/045452)
 - [87] (WO2021/030202)
 - [30] US (62/884,738) 2019-08-09
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 - [25] FR
 - [54] AIRCRAFT DATA DISPLAY SYSTEM
 - [54] SYSTEME D'AFFICHAGE DE DONNEES D'UN AERONEF
 - [72] LARMINIER, HERVE, FR
 - [73] AIRBUS HELICOPTERS, FR
 - [86] (3152814)
 - [87] (3152814)
 - [22] 2022-03-21
 - [30] FR (2103481) 2021-04-06
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- [25] EN
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- [54] SUTURE MAGNETIQUE
- [72] WILLIAMS, DEREK M., US
- [72] PHILIPS, GRANT WESLEY, US
- [72] JACKSON, MICHELLE, US
- [72] PICHA, GEORGE J., US
- [73] APPLIED MEDICAL TECHNOLOGY, INC., US
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 - [25] EN
 - [54] USE OF A BOTULINUM TOXIN FOR TREATING AUTISM AND/OR TOLERANCE TO NARCOTICS
 - [54] UTILISATION D'UNE TOXINE BOTULIQUE POUR TRAITER L'AUTISME ET/OU LA TOLERANCE AUX STUPEFIANTS
 - [72] WILLIAMS, ROLAND M., US
 - [73] PENLAND FOUNDATION, US
 - [85] 2022-04-11
 - [86] 2020-10-17 (PCT/US2020/056206)
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 - [30] US (16/657,933) 2019-10-18
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- [25] EN
- [54] SYSTEM AND METHOD FOR IDENTIFYING A DISEASE AFFECTED AREA
- [54] SYSTEME ET PROCEDE D'IDENTIFICATION D'UNE ZONE AFFECTEE PAR UNE MALADIE
- [72] LORD, ANTON, AU
- [72] LORD, MAGGY, AU
- [73] DISEASE ADVISOR PTY LTD, AU
- [85] 2022-03-16
- [86] 2020-10-02 (PCT/AU2020/051061)
- [87] (WO2021/062484)
- [30] AU (2019903741) 2019-10-04

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 - [54] APPAREIL DE REDUCTION DE LA CAFEINE ET METHODE DE FABRICATION DE POUDRE DE CAFE MOULU AU MOYEN DE L'APPAREIL
 - [72] PARK, HEA YOUNG, KR
 - [73] HARMONY SOCIAL COOPERATIVE ASSOCIATION, KR
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- [25] EN
- [54] HOT ROLLED AND HEAT-TREATED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME
- [54] FEUILLE D'ACIER LAMINEE A CHAUD ET TRAITEE THERMIQUEMENT ET PROCEDE DE FABRICATION DE CETTE DERNIERE
- [72] PERLADE, ASTRID, FR
- [72] ZHU, KANGYING, FR
- [72] JUNG, CORALIE, FR
- [72] KEGEL, FREDERIC, FR
- [73] ARCELORMITTAL, LU
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 [54] **REMOVAL OF GELS FORMED FROM LIQUID FRICTION-REDUCING FLUIDS**
 [54] **ELIMINATION DE GELS FORMES A PARTIR DE FLUIDES LIQUIDES DE REDUCTION DE FROTTEMENT**
 [72] KHAMATNUROVA, TATYANA V., US
 [72] JONES, PAUL JOSEPH, US
 [72] HILLARD, ROBERT DOUGLAS, US
 [72] WESTON, MELISSA CHRISTINE, US
 [73] HALLIBURTON ENERGY SERVICES, INC., US
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 [54] **FULLY AUTOMATIC FRAMING MACHINE FOR ALUMINUM PROFILE**
 [54] **MACHINE D'ENCADREMENT DE MATERIAU EN ALUMINIUM AUTOMATIQUE**
 [72] NIU, DECAI, CN
 [72] ZHOU, HAITAO, CN
 [72] ZHANG, HANLONG, CN
 [72] YUAN, QINGGUO, CN
 [73] GUANGDONG JMA ALUMINUM PROFILE FACTORY (GROUP) CO., LTD, CN
 [73] FOSHAN JMA ALUMINIUM INDUSTRY CO., LTD, CN
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 [54] **METHOD FOR EVALUATING QUALITY OF (3S)-3-(4-(3-(1,4-DIOXASPIRO[4,5]DEC-7-EN-8-YL)BENZYLOXY)PHENYL)HEX-4-INOIC ACID**
 [54] **PROCEDE D'EVALUATION DE LA QUALITE DE L'ACIDE (3S)-3-(4-(3-(1,4-DIOXASPIRO[4,5]DEC-7-EN-8-YL)BENZYLOXY)PHENYL)HEX-4-INOIQUE**
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 [72] LEE, KYU HWAN, KR
 [72] KIM, EUN YOUNG, KR
 [72] CHOI, SU KYOUNG, KR
 [73] HYUNDAI PHARM CO., LTD., KR
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 [54] **CAP ASSEMBLIES WITH MAGNETIC CLOSURE RETENTION MECHANISMS AND DRINK CONTAINERS INCLUDING THE SAME**
 [54] **ENSEMBLES BOUCHONS DOTES DE MECANISMES DE RETENUE DE FERMETURE MAGNETIQUE ET CONTENANTS DE BOISSON COMPRENANT CEUX-CI**
 [72] DAVIES, JEFF, US
 [73] CAMELBAK PRODUCTS, LLC, US
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 [54] **LIGHTING AND COLLISION ALERTING SYSTEM**
 [54] **ECLAIRAGE ET SYSTEME D'ALERTE DE COLLISION**
 [72] WISE, ERIC W., US
 [73] HUGHEY & PHILLIPS, LLC, US
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[25] EN
[54] ALUMINIUM ALLOY SHEET MATERIAL AND HEAT EXCHANGER INCORPORATING SUCH AN ALUMINIUM ALLOY SHEET MATERIAL
[54] MATERIAU DE FEUILLE D'ALLIAGE D'ALUMINIUM ET ECHANGEUR DE CHALEUR INCORPORANT UN TEL MATERIAU DE FEUILLE D'ALLIAGE D'ALUMINIUM
[72] RITZ, FABIAN, DE
[72] JACOBY, BERND, DE
[72] SMEYERS, AXEL ALEXANDER MARIA, DE
[72] KIRKHAM, STEVEN, DE
[73] NOVELIS KOBLENZ GMBH, DE
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[25] EN
[54] COMPOSITIONS AND METHODS FOR TREATING NEUROPSYCHIATRIC DISORDERS USING AN ENDOTHELIN-B RECEPTOR AGONIST
[54] COMPOSITIONS ET DES METHODES POUR TRAITER LES TROUBLES NEUROPSYCHIATRIQUES A L'AIDE D'UN AGONISTE DU RECEPTEUR B DE L'ENDOTHELÉLINE
[72] GULATI, ANIL, US
[73] MIDWESTERN UNIVERSITY, US
[86] (3171883)
[87] (3171883)
[22] 2014-07-08
[62] 2,917,325
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[25] EN
[54] ENVIRONMENTALLY FRIENDLY DETERGENT TABLET, PREPARATION METHOD AND TABLETING EQUIPMENT THEREOF
[54] DETERGENT EN PAIN SANS DANGER POUR L'ENVIRONNEMENT, METHODE DE PREPARATION ET MATERIEL DE MISE EN PAIN
[72] SUN, JIANFENG, CN
[72] LI, FENGLAI, CN
[72] SUN, MIN, CN
[72] ZENG, HAIXIANG, CN
[73] GUANGZHOU JOYSON CLEANING PRODUCTS CO., LTD., CN
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[87] (3175174)

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[25] EN
[54] COMPOSITIONS AND METHODS FOR DETECTION OF VIRAL PATHOGENS IN SAMPLES
[54] COMPOSITIONS ET PROCEDES DE DETECTION D'AGENTS PATHOGENES VIRAUX DANS DES ECHANTILLONS
[72] JOST, MATTHIAS, US
[72] DOUGLASS, PAMELA, US
[72] KOLK, DANIEL P., US
[72] MAJLESSI, MEHRDAD R., US
[73] GEN-PROBE INCORPORATED, US
[86] (3176536)
[87] (3176536)
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[11] 3,176,529
[13] C

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[72] DOUGLASS, PAMELA, US
[72] KOLK, DANIEL P., US
[72] MAJLESSI, MEHRDAD R., US
[73] GEN-PROBE INCORPORATED, US
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[87] (3176529)
[22] 2018-03-23
[62] 3,055,427
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[72] DOUGLASS, PAMELA, US
[72] KOLK, DANIEL P., US
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[73] GEN-PROBE INCORPORATED, US
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[25] EN

[54] COMPUTER SYSTEMS,
COMPUTER-IMPLEMENTED
METHODS, AND COMPUTER
DEVICES FOR PROCESSING A
TRANSACTION MESSAGE
[54] SYSTEMES INFORMATIQUES,
PROCEDES INFORMATISES ET
APPAREILS INFORMATIQUES
POUR TRAITER UN MESSAGE
TRANSACTIONNEL

[72] MOUSSEAU, GARY, CA

[73] 10353744 CANADA LTD., CA

[86] (3177549)

[87] (3177549)

[22] 2020-04-30

[62] 3,080,225

[30] US (62/840,435) 2019-04-30

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[11] 3,179,335

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[25] EN

[54] INJECTABLE FORMULATION
[54] FORMULATION INJECTABLE
[72] LAYZELL, MARIE CLAIRE, GB
[72] RENNIE, JAMES MAXWELL, GB
[73] CYBIN UK LTD, GB
[85] 2022-09-30
[86] 2021-08-20 (PCT/EP2021/073189)
[87] (WO2022/043227)
[30] GB (2013571.1) 2020-08-28
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[11] 3,180,303

[13] C

[51] Int.Cl. E21B 19/08 (2006.01) E21B
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[25] EN

[54] PORTABLE DOWNFORCE
SYSTEM AND METHOD
[54] SYSTEME DE DEPORTANCE
PORTATIF ET METHODE
[72] DAGERT, MATT, CA
[72] KNAPP, COLIN, CA
[73] TREELINE WELL SERVICES LP, CA
[86] (3180303)
[87] (3180303)
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[30] US (17/973,094) 2022-10-25

[11] 3,180,533

[13] C

[51] Int.Cl. C10G 2/00 (2006.01) B01D
53/14 (2006.01) B01D 53/52 (2006.01)

[25] EN

[54] IMPROVED CATALYSTS AND
PROCESSES FOR THE DIRECT
PRODUCTION OF LIQUID FUELS
FROM CARBON DIOXIDE AND
HYDROGEN

[54] CATALYSEURS AMELIORES ET
PROCEDES DE PRODUCTION
DIRECTE DE CARBURANTS
LIQUIDES A PARTIR DE
DIOXYDE DE CARBONE ET
D'OXYGENE

[72] SCHUETZLE, ROBERT, US

[72] SCHUETZLE, DENNIS, US

[73] INFINIUM TECHNOLOGY, LLC, US

[85] 2022-10-18

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[11] 3,183,853

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[25] EN

[54] THERAPEUTIC HERBAL
COMPOSITIONS FOR
IMPROVING JOINT HEALTH
[54] COMPOSITIONS
THERAPEUTIQUES A BASE DE
PLANTES PERMETTANT
D'AMELIORER LA SANTE
ARTICULAIRE

[72] RAJENDRAN, KRISHNA, US

[73] KARALLIEF, INC., US

[85] 2022-12-21

[86] 2021-06-17 (PCT/US2021/070723)

[87] (WO2022/006572)

[30] US (16/946,721) 2020-07-01

[11] 3,188,015

[13] C

[51] Int.Cl. A42B 3/04 (2006.01)

[25] EN

[54] SYSTEM FOR MITIGATING
MUSCULOSKELETAL STRESSES
FROM HEAD-RELATED
MOMENTS EXERTED ON A
PERSON

[54] SYSTEME POUR ATTENUER DES
CONTRAINTEES
MUSCULOSQUELETTIQUES,
PROVENANT DE MOMENTS
ASSOCIES A LA TETE,
EXERCEES SUR UNE PERSONNE

[72] HETZLER, MARKUS, CA

[72] FISCHER, STEVEN, CA

[72] STEVENSON, JOAN, CA

[72] REID, SUSAN, CA

[73] THUMBPRINT SOLUTIONS INC.,
CA

[86] (3188015)

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[22] 2015-09-10

[62] 2,960,415

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[13] C

[51] Int.Cl. G09B 5/12 (2006.01) G06N
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[25] EN

[54] FEDERATED MACHINE
LEARNING IN ADAPTIVE
TRAINING SYSTEMS

[54] APPRENTISSAGE
AUTOMATIQUE FEDERE DANS
LES SYSTEMES
D'ENTRAINEMENT ADAPTATIFS

[72] DELISLE, JEAN-FRANCOIS, CA

[72] WINOKUR, BEN, CA

[72] SINGH, NAVPREET, CA

[73] CAE INC., CA

[86] (3193081)

[87] (3193081)

[22] 2023-03-15

[30] US (63/319,974) 2022-03-15

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[25] EN

[54] FLEXIBLE LIQUID CRYSTAL-
CONTAINING LENSES

[54] LENTILLES SOUPLES
CONTENANT DES CRISTAUX
LIQUIDES

[72] OAG, ROBERT, GB

[72] FRITH, ROBIN, GB

[72] BASHTANOV, MIKHAIL, GB

[73] COOPERVISION INTERNATIONAL
LIMITED, GB

[85] 2023-05-19

[86] 2022-01-25 (PCT/GB2022/050191)

[87] (WO2022/162350)

[30] US (63/143,157) 2021-01-29

[11] **3,205,677**

[13] C

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C22B 3/22 (2006.01) C22B 9/10
(2006.01)

[25] EN

[54] METHOD FOR LIQUEFYING
NIOBIUM AND TANTALUM, AND
METHOD FOR PRODUCING
NIOBIUM SOLUTION AND
TANTALUM SOLUTION

[54] PROCEDE POUR LA
LIQUEFACTION DE NIOBIUM ET
DE TANTALE, ET PROCEDE
POUR LA PRODUCTION DE
SOLUTION DE NIOBIUM ET DE
SOLUTION DE TANTALE

[72] KUBO, HIRONARI, JP

[72] NISHIDA, TAKUTO, JP

[72] MASUDA, SAYAKA, JP

[73] FUKUOKA INSTITUTE OF
TECHNOLOGY, JP

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[87] (WO2022/196197)

[30] JP (2021-041753) 2021-03-15

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[54] FENETRE MEMBRANE
[54] WINDOW FRAME
[71] LEGAULT, MICHEL, CA
[22] 2022-08-20
[41] 2024-02-20

[21] 3,170,035
[13] A1

[51] Int.Cl. F03G 7/10 (2006.01) F03G 3/00 (2006.01)
[25] EN
[54] SINGEDEN ENERGY CONVERSION MOTOR 22/8
[54] MOTEUR DE CONVERSION D~ENERGIE SINGEDEN 22/8
[72] WOODS, TIMOTHY J., CA
[71] WOODS, TIMOTHY J., CA
[22] 2022-08-23
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[21] 3,170,715
[13] A1

[51] Int.Cl. A01B 73/04 (2006.01)
[25] EN
[54] ACTIVE DOWN-PRESSURE ARRANGEMENT FOR AN AGRICULTURAL IMPLEMENT
[54] CONFIGURATION DE PRESSION VERS LE BAS ACTIVE POUR UN APPAREIL AGRICOLE
[72] SCHERNERHORN, NATHAN, US
[71] SCHERNERHORN, NATHAN, US
[22] 2022-08-18
[41] 2024-02-18

[21] 3,170,736
[13] A1

[51] Int.Cl. G07C 1/30 (2006.01) H05K 5/00 (2006.01)
[25] EN
[54] PARKING METER HOUSING FOR FACILITATING MAINTENANCE
[54] BOITIER DE PARCOMETRE POUR FACILITER L~ENTRETIEN
[72] MACKAY, JAMES GEORGE, CA
[72] O'NEIL, ADRIAN IGNATIUS, CA
[72] CAMERON, DARREN SCOTT, CA
[71] J.J. MACKAY CANADA LIMITED, CA
[22] 2022-08-18
[41] 2024-02-18

[21] 3,170,758
[13] A1

[51] Int.Cl. A62B 18/00 (2006.01) A62B 18/02 (2006.01) A62B 18/04 (2006.01) A62B 18/08 (2006.01) A62B 18/10 (2006.01)
[25] EN
[54] FULL FACE HOODED RESPIRATOR WITH NECK SEAL AND TENSIONABLE HARNESS ACCOMMODATING BEARDS AND RELIGIOUS HEAD COVERINGS
[54] MASQUE COMPLET A CAPUCHON COMPRENANT UN COL ET UN HARNAIS TENSIONNE AJUSTABLES POUR LES BARBES ET LES COIFFURES RELIGIEUSES
[72] RANSON, ROBERT, CA
[72] OLSON, MATTHEW, CA
[72] DUECK, LIONEL, CA
[72] JIANG, XUDONG, CA
[71] RANSON, ROBERT, CA
[22] 2022-08-19
[41] 2024-02-19

[21] 3,170,763
[13] A1

[51] Int.Cl. E04B 1/343 (2006.01) F24S 20/60 (2018.01) E02D 1/02 (2006.01) E02D 5/56 (2006.01) E04B 1/62 (2006.01) E04B 1/74 (2006.01) F16L 59/02 (2006.01)
[25] EN
[54] BUILDING CONSTRUCTION COMPONENTS AND METHODS
[54] ELEMENTS DE CONSTRUCTION DE BATIMENT ET METHODES
[72] WYATT, JACKSON, CA
[72] ASHKARIAN, JOSEPH, CA
[71] CABN CO LTD., CA
[22] 2022-08-19
[41] 2024-02-19

[21] 3,170,772
[13] A1

[51] Int.Cl. C12P 7/10 (2006.01) C08H 8/00 (2010.01) C08B 1/00 (2006.01) C08J 11/10 (2006.01) C12P 7/06 (2006.01) C12P 19/00 (2006.01) C13K 1/02 (2006.01) C13K 13/00 (2006.01)
[25] EN
[54] IMPROVEMENTS IN BIOMASS FERMENTATION INTO ETHANOL
[54] AMELIORATIONS DE LA FERMENTATION DE BIOMASSE EN ETHANOL
[72] OSTASZEWSKI, ALEXANDRA, CA
[72] WEISSENBERGER, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] CORBETT, ANDREW, CA
[71] SIXRING INC., CA
[22] 2022-08-19
[41] 2024-02-19

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[13] A1
[51] Int.Cl. G01N 27/416 (2006.01) G01N 27/30 (2006.01)
[25] EN
[54] ELECTROCHEMICAL SENSOR
[54] CAPTEUR ELECTROCHIMIQUE
[72] AHMED, SYED RAHIN, CA
[72] GOMEZ CARDOSO, ANA, CA
[72] ORTEGA RODRIGUEZ, GRETER AMELIA, CA
[72] VILTRES COBAS, HERLYS, CA
[72] RAJABZADEH, AMIN REZA, CA
[72] SRINIVASAN, SESHASAI, CA
[71] EYE3CONCEPTS INC., CA
[22] 2022-08-18
[41] 2024-02-18

[21] 3,170,894
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[25] EN
[54] STATIC ELECTRICITY GENERATOR
[54] GENERATRICE D~ELECTRICITE STATIQUE
[72] GUO, LAN FENG, CA
[71] GUO, LAN FENG, CA
[22] 2022-08-18
[41] 2024-02-18

[21] 3,170,964
[13] A1
[51] Int.Cl. A46B 9/02 (2006.01) A46B 15/00 (2006.01)
[25] EN
[54] HYGIENIC BRUSH
[54] BROSSE HYGIENIQUE
[72] HARIPAUL-SINGH, AMY, CA
[72] PARASURAMAN, KIRK, CA
[71] HARIPAUL-SINGH, AMY, CA
[71] PARASURAMAN, KIRK, CA
[22] 2022-08-22
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[30] US (17/820,650) 2022-08-18

[21] 3,170,855
[13] A1
[51] Int.Cl. E21B 33/03 (2006.01)
[25] EN
[54] REMOTE ACTUATED ROTARY WELLHEAD CONNECTION
[54] SYSTEME DE RACCORD DE TETE DE PUITS ROTATIF TELECOMMANDE
[72] STRANKMAN, DAINE, CA
[71] EDGE MECHANICAL DESIGN INC., CA
[22] 2022-08-18
[41] 2024-02-18

[21] 3,170,926
[13] A1
[51] Int.Cl. B63B 34/26 (2020.01) B63B 17/00 (2006.01) B63B 29/00 (2006.01)
[25] EN
[54] ASSISTIVE SYSTEM TO AID IN ENTRY AND EXIT FROM WATERCRAFT
[54] SYSTEME D'ASSISTANCE A EMBARQUER DANS UNE EMBARCATION OU EN DEBARQUER
[72] SATI, ELENA, CA
[71] SATI, ELENA, CA
[22] 2022-08-21
[41] 2024-02-21

[21] 3,171,040
[13] A1
[51] Int.Cl. B60D 1/62 (2006.01) B60D 1/64 (2006.01)
[25] EN
[54] TRAILER BRAKE LIGHT ADAPTER
[54] ADAPTEUR POUR LUMIERE DE FREIN DE REMORQUE
[72] GALLO, VINCENT, CA
[72] ROUX, DANIEL, CA
[72] VERBEEK, ANDY, CA
[72] WILLIAMS, TREVOR, CA
[71] SECURPLUS SOLUTIONS INC., CA
[22] 2022-08-24
[41] 2024-02-24

[21] 3,170,881
[13] A1
[51] Int.Cl. G06Q 50/06 (2012.01) G06Q 30/08 (2012.01) G06F 16/27 (2019.01) G06Q 20/00 (2012.01)
[25] EN
[54] METHOD AND SYSTEM FOR ENERGY TRANSACTION PLATFORM
[54] METHODE ET SYSTEME POUR UNE PLATEFORME DE TRANSACTION D~ENERGIE
[72] SATHE, NEETIKA, CA
[72] TIWARI, ABHINAV, CA
[72] BOUTZIOUVIS, ANASTASIA, CA
[72] EPSTEIN, ADAM, CA
[72] BAJAJ, NITIN, CA
[72] YIN, GERI, CA
[72] MORTAGE, HAMZA, CA
[72] REEHAL, RANVEER, CA
[72] MILES, CURTIS, CA
[71] ALECTRA UTILITIES CORPORATION, CA
[22] 2022-08-18
[41] 2024-02-18

[21] 3,170,956
[13] A1
[51] Int.Cl. A47G 19/26 (2006.01) A47G 19/22 (2006.01)
[25] EN
[54] SEMI-COVERED SPILL-PREVENTIVE LATEX CUP COVER FOR CARING FOR DEMENTIA OLDER ADULTS
[54] COUVERCLE DE GODET EN LATEX, SEMI-COUVERT ET A L'EPREUVE DES RENVERSEMENTS, POUR LES SOINS AUX PERSONNES AGEES ATTEINTES DE DEMENCE
[72] MENG, CHURAN, CA
[71] MENG, CHURAN, CA
[22] 2022-08-22
[41] 2024-02-22

[21] 3,171,041
[13] A1
[51] Int.Cl. C12N 5/04 (2006.01) A23L 19/00 (2016.01) A01H 6/34 (2018.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/08 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)
[25] EN
[54] CUCUMBER VARIETY NUN 57037 CUC
[54] CONCOMBRE DE VARIETE NUN 57037 CUC
[72] SUELmann, JOS, NL
[71] NUNHEMS B.V., NL
[22] 2022-08-24
[41] 2024-02-24

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[21] 3,171,068

[13] A1

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[25] EN
[54] A METHOD, SYSTEM AND PORTABLE DEVICE FOR ENABLING REPORTING OF USER LOCATIONS
[54] METHODE, SYSTEME ET DISPOSITIF PORTATIF POUR PERMETTRE LA DECLARATION D'EMPLACEMENTS D'UTILISATEURS
[72] GOMES, STEVE MIKE, AU
[71] LATITUDE HEALTH TECHNOLOGIES PTY LIMITED, AU
[22] 2022-08-23
[41] 2024-02-23
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[21] 3,171,111

[13] A1

- [51] Int.Cl. G01N 21/89 (2006.01)
[25] EN
[54] 360 DEGREE VEHICLE EXTERIOR SCANNING SYSTEM
[54] SYSTEME DE BALAYAGE 360 DEGRES DE L'EXTERIEUR D'UN VEHICULE
[72] BENTLEY, ROBERT, CA
[71] BENTLEY, ROBERT, CA
[22] 2022-08-22
[41] 2024-02-22
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[21] 3,171,348

[13] A1

- [51] Int.Cl. G06F 11/34 (2006.01) G06Q 40/02 (2023.01) G06F 9/50 (2006.01) G06F 17/00 (2019.01)
[25] EN
[54] SYSTEMS AND METHODS FOR PROVIDING CONTEXTUAL NOTIFICATIONS
[54] SYSTEMES ET METHODES D~ENVOI D~AVIS CONTEXTUELS
[72] HAN, DONG WOO, CA
[72] PORCIELLO, JESSICA MARIE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-08-24
[41] 2024-02-24
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[21] 3,171,364

[13] A1

- [51] Int.Cl. G01N 27/83 (2006.01)
[25] FR
[54] MAGNETIC PROBE FOR DETECTION OF DEFECTS IN CABLES COMPRISING A FERROMAGNETIC PART, ASSOCIATED METHOD AND SYSTEM
[54] SONDE MAGNETIQUE POUR LA DETECTION DE DEFAUTS DANS DES CABLES COMPORTANT UNE PARTIE FERROMAGNETIQUE, METHODE ET SYSTEME ASSOCIES
[72] IBEN BRAHIM, YAHYA, CA
[72] BELLEMARE, JONATHAN, CA
[72] SIROIS, FREDERIC, CA
[72] ROUSSEAU, GILLES, CA
[71] HYDRO-QUEBEC, CA
[71] POLYVALOR S.E.C., CA
[22] 2022-08-24
[41] 2024-02-24
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[21] 3,171,469

[13] A1

- [51] Int.Cl. F01K 13/00 (2006.01) F01K 7/16 (2006.01) F01K 19/08 (2006.01)
[25] EN
[54] MODIFIED RANKINE CYCLE WITHOUT HEAT REJECTION, DRIVEN BY A WET-VAPOR-REGION THERMOCOMPRESSOR
[54] CYCLE DE RANKINE MODIFIE, SANS REJET DE CHALEUR, ENTRAINE PAR UN THERMOCOMPRESSEUR DANS LA ZONE DE SATURATION HUMIDE DE LA VAPEUR
[72] STANKOVIC, BRANKO, CA
[71] STANKOVIC, BRANKO, CA
[22] 2022-08-22
[41] 2024-02-22
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[21] 3,172,372

[13] A1

- [51] Int.Cl. G06F 9/46 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR EXECUTING DATA PROCESSING TASKS
[54] SYSTEME ET METHODE POUR L~EXECUTION DE TACHES DE TRAITEMENT DE DONNEES
[72] FAROOQ, ZEECHAN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-08-18
[41] 2024-02-18
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[21] 3,178,021

[13] A1

- [51] Int.Cl. H04H 60/72 (2009.01)
[25] EN
[54] CONTENTS NAVIGATION METHOD FOR OTT SERVICE OF HETEROGENEOUS CONTENTS
[54] METHODE DE NAVIGATION DE CONTENU POUR UN SERVICE PAR CONTOURNEMENT DE CONTENUS HETEROGENES
[72] CHOI, SUNG HYEK, KR
[72] KIM, KYUNG HUN, KR
[71] ALOYS INC., KR
[22] 2022-09-30
[41] 2024-02-22
[30] KR (10-2022-0104695) 2022-08-22
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[21] 3,178,430

[13] A1

- [51] Int.Cl. B62D 21/20 (2006.01) B05C 7/02 (2006.01) B08B 9/093 (2006.01) B60S 9/00 (2006.01) B62D 63/08 (2006.01) E03F 9/00 (2006.01)
[25] EN
[54] TRAILER SYSTEM
[54] SYSTEME DE REMORQUE
[72] GOHL, RUSSELL R., US
[71] GOHL, RUSSELL R., US
[22] 2022-10-05
[41] 2024-02-24
[30] US (17894583) 2022-08-24

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<p style="text-align: right;">[21] 3,188,628 [13] A1</p> <p>[25] EN [54] AUTOMATED GENERATION AND USE OF BUILDING VIDEOS WITH ACCOMPANYING NARRATION FROM ANALYSIS OF ACQUIRED IMAGES AND OTHER BUILDING INFORMATION [54] GENERATION AUTOMATISEE ET UTILISATION DE VIDEOS DE BATIMENTS ET DE NARRATION A L'APPUI PROVENANT DE L'ANALYSE DES IMAGES OBTENUES ET D'AUTRES RENSEIGNEMENTS SUR LES BATIMENTS [72] PENNER, ERIC M., US [72] BOYADZHIEV, IVAYLO, US [72] KANG, SING BING, US [71] MFTB HOLDCO, INC., US [22] 2023-02-06 [41] 2024-02-22 [30] US (17/892,427) 2022-08-22</p>	<p style="text-align: right;">[21] 3,191,509 [13] A1</p> <p>[51] Int.Cl. H04L 9/32 (2006.01) [25] EN [54] SECURE CRYPTOGRAPHIC KEY MANAGEMENT [54] GESTION DE CLES DE CHIFFREMENT SECURISEE [72] GERICS, IAN, CA [72] WEBER, MIKE J., CA [71] ROYAL BANK OF CANADA, CA [22] 2023-03-01 [41] 2024-02-18 [30] US (63/398,995) 2022-08-18</p>	<p style="text-align: right;">[21] 3,193,209 [13] A1</p> <p>[51] Int.Cl. B60K 11/04 (2006.01) B60R 19/52 (2006.01) B62D 55/00 (2006.01) [25] EN [54] SNOW VEHICLE HEAT EXCHANGER SHIELD [54] ECRAN D'ECHANGEUR DE CHALEUR DE VEHICULE DE NEIGE [72] VIGEN, DAVID LARRY, US [72] MERCURE, BENJAMIN NICKOLAS, US [72] FREDRICKSON, KEN R., US [71] ARCTIC CAT INC., US [22] 2023-03-16 [41] 2024-02-23 [30] US (63/400,056) 2022-08-23 [30] US (63/402,768) 2022-08-31 [30] US (17/979,091) 2022-11-02</p>
<p style="text-align: right;">[21] 3,190,331 [13] A1</p> <p>[51] Int.Cl. C02F 1/50 (2006.01) C02F 1/00 (2006.01) C02F 1/34 (2006.01) C02F 1/36 (2006.01) C12M 1/34 (2006.01) C12Q 1/68 (2018.01)</p> <p>[25] EN [54] BIOCIDE TREATMENT OF PRODUCED WATER [54] TRAITEMENT BIOCIDE DE L'EAU PRODUITE [72] LINCZ, RONALD OTTO, CA [72] BRETT, DOUGLAS JAMES, CA [71] AVONLEA TECHNOLOGY HOLDINGS CORP., CA [22] 2023-02-15 [41] 2024-02-23 [30] US (63/373,240) 2022-08-23</p>	<p style="text-align: right;">[21] 3,192,428 [13] A1</p> <p>[51] Int.Cl. F16M 11/04 (2006.01) F16M 11/18 (2006.01) F16M 11/20 (2006.01) F16S 1/14 (2006.01)</p> <p>[25] EN [54] TRUSS SUPPORT SYSTEM FOR A DISPLAY MODULE [54] SYSTEME DE SUPPORT EN TREILLIS POUR UN MODULE D'AFFICHAGE [72] DORION, LUC, CA [72] THERIAULT, BERNARD, CA [71] THERIO INNOVATION INC., CA [22] 2023-03-09 [41] 2024-02-22 [30] US (63/373,093) 2022-08-22</p>	<p style="text-align: right;">[21] 3,199,028 [13] A1</p> <p>[51] Int.Cl. E04D 13/064 (2006.01) B07B 1/04 (2006.01) E02B 5/08 (2006.01)</p> <p>[25] EN [54] SYSTEMS AND METHODS FOR MODULAR PLATFORM FOR GUTTER GUARD SYSTEMS WITH INTERCHANGEABLE COMPONENTS [54] SYSTEMES ET METHODES POUR UNE PLATEFORME MODULAIRE DE SYSTEMES DE PROTEGE-GOUTTIERE AVEC DES COMPOSANTS INTERCHANGEABLES [72] CROWELL, JASON ALAN, US [72] GORI, MICHAEL, US [71] LEAFFILTER NORTH, LLC, US [22] 2023-05-08 [41] 2024-02-18 [30] US (17/820,714) 2022-08-18</p>
<p style="text-align: right;">[21] 3,191,245 [13] A1</p> <p>[51] Int.Cl. B68C 1/12 (2006.01) C08L 75/04 (2006.01) C08J 9/30 (2006.01)</p> <p>[25] EN [54] FORCE REDUCING SADDLE PAD [54] COUSSIN DE SELLE DE REDUCTION DE FORCE [72] RASALINGAM, LAUREN, CA [71] RASALINGAM, LAUREN, CA [22] 2023-02-27 [41] 2024-02-18 [30] US (63/399,098) 2022-08-18</p>	<p style="text-align: right;">[21] 3,192,516 [13] A1</p> <p>[51] Int.Cl. G06Q 30/0601 (2023.01) G06F 16/95 (2019.01) H04L 67/54 (2022.01) H04L 67/75 (2022.01) G06F 3/048 (2013.01)</p> <p>[25] EN [54] LIVE VIEW OF A WEBSITE SUCH AS AN E-COMMERCE STORE [54] VUE EN DIRECT D'UN SITE WEB, COMME UNE PAGE DE COMMERCE ELECTRONIQUE [72] WAESE, JAMIE, CA [71] SHOPIFY INC., CA [22] 2023-03-09 [41] 2024-02-24 [30] US (17/821,974) 2022-08-24</p>	<p style="text-align: right;">[21] 3,199,066 [13] A1</p> <p>[51] Int.Cl. A61K 9/72 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61P 25/00 (2006.01)</p> <p>[25] EN [54] HERBAGE HAVING A REFLECTIVE COATING [54] HERBES RECOUVERTES D'UN ENDUIT REFLECHISSANT [72] CAREY, CHAD ARTHUR, US [71] VAPOR OIL TECHNOLOGY LLC, US [22] 2023-05-08 [41] 2024-02-23 [30] US (17/893,712) 2022-08-23</p>

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[13] A1

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[25] EN
[54] CRYSTALLINE COATED HERBAGE HAVING A CONSISTENT CANNABINOID CONCENTRATION
[54] HERBES RECOUVERTES D'UN ENDUIT CRISTALLIN PRÉSENTANT UNE CONCENTRATION DE CANNABINOÏDE UNIFORME
[72] CAREY, CHAD ARTHUR, US
[71] VAPOR OIL TECHNOLOGY LLC, US
[22] 2023-05-08
[41] 2024-02-23
[30] US (18/105,604) 2023-02-03
[30] US (17/893,712) 2022-08-23
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[21] 3,199,188
[13] A1

- [51] Int.Cl. A61F 5/56 (2006.01) A61C 7/36 (2006.01) B29C 45/14 (2006.01)
[25] EN
[54] AN ADJUSTABLE THERMOPLASTIC DENTAL APPLIANCE SYSTEM AND METHOD
[54] SYSTEME ET METHODE POUR UN APPAREIL DENTAIRE THERMOPLASTIQUE AJUSTABLE
[72] FRANTZ, DONALD E., US
[72] FRANTZ, JOSEPH LEE, US
[71] FRANTZ DESIGN INCORPORATED, US
[22] 2023-05-10
[41] 2024-02-22
[30] US (17/892,118) 2022-08-21
[30] US (18/144,035) 2023-05-05
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[21] 3,199,277
[13] A1

- [51] Int.Cl. A01B 76/00 (2006.01) A01B 71/08 (2006.01) A01C 7/00 (2006.01) B65G 45/10 (2006.01) B65G 53/34 (2006.01)
[25] EN
[54] ROW UNIT CLEAN OUT SYSTEM AND METHOD
[54] SYSTEME ET MACHINE DE NETTOYAGE DE RAYONNEUR
[72] HARMON, ANDREW W., US
[71] DEERE & COMPANY, US
[22] 2023-05-11
[41] 2024-02-22
[30] US (17/892,658) 2022-08-22
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[21] 3,202,412
[13] A1

- [51] Int.Cl. B23C 5/28 (2006.01) B23Q 11/10 (2006.01)
[25] EN
[54] CUTTING TOOL WITH THROUGH COOLANT
[54] OUTIL DE COUPE ET FLUIDE DE REFROIDISSEMENT LE TRAVERSANT
[72] CHEN, LI-CHENG, CN
[71] YIH TROUN ENTERPRISE CO., LTD., CN
[22] 2023-06-08
[41] 2024-02-18
[30] TW (111131144) 2022-08-18
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[21] 3,203,122
[13] A1

- [51] Int.Cl. H01M 4/131 (2010.01) H01M 4/1391 (2010.01) H01M 10/0525 (2010.01) H01M 4/62 (2006.01)
[25] EN
[54] POSITIVE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM BATTERY, PREPARING METHOD THEREOF, AND RECHARGEABLE LITHIUM BATTERY INCLUDING THE SAME
[54] MATIERE ACTIVE POSITIVE POUR BATTERIE RECHARGEABLE AU LITHIUM, METHODE DE PREPARATION ET BATTERIE RECHARGEABLE AU LITHIUM COMPRENANT LADITE MATIERE
[72] JANG, JUNG-SUE, KR
[72] CHANG, DONGGYU, KR
[72] KIM, JINYOUNG, KR
[72] SHIM, JAEHA, KR
[72] KANG, TAEGEUN, KR
[71] SAMSUNG SDI CO., LTD., KR
[22] 2023-06-12
[41] 2024-02-19
[30] KR (10-2022-0104216) 2022-08-19
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[21] 3,205,435
[13] A1

- [51] Int.Cl. A01B 63/111 (2006.01) A01C 5/06 (2006.01) A01C 7/00 (2006.01) A01C 19/02 (2006.01)
[25] EN
[54] ACTUATOR FOR SETTING SEED DEPTH FOR A ROW UNIT ON A PLANTER
[54] ACTIONNEUR POUR REGLER LA PROFONDEUR D'ENSEMENCEMENT D'UN RAYONNEUR DE PLANTEUSE
[72] MARTIN, ROBERT W., US
[71] DEERE & COMPANY, US
[22] 2023-06-29
[41] 2024-02-22
[30] US (17/892,641) 2022-08-22

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<p style="text-align: right;">[21] 3,205,821 [13] A1</p> <p>[51] Int.Cl. B01D 27/08 (2006.01) B01D 29/11 (2006.01) C02F 1/00 (2006.01) C02F 1/28 (2006.01) C02F 1/44 (2006.01)</p> <p>[25] EN</p> <p>[54] POOL BACKWASH SECONDARY FILTRATION ASSEMBLY AND METHOD OF USE</p> <p>[54] ASSEMBLAGE DE FILTRATION SECONDAIRE A CONTRE-COURANT DE PISCINE ET METHODE D'UTILISATION</p> <p>[72] TOTHFALUSI, ALEXANDER, CA</p> <p>[71] TOTHFALUSI, ALEXANDER, CA</p> <p>[22] 2023-07-07</p> <p>[41] 2024-02-24</p> <p>[30] US (18/201,247) 2023-05-24</p> <p>[30] CA (3,171,095) 2022-08-24</p>	<p style="text-align: right;">[21] 3,207,369 [13] A1</p> <p>[51] Int.Cl. G06F 40/56 (2020.01) G06F 40/30 (2020.01) G06N 3/09 (2023.01)</p> <p>[25] EN</p> <p>[54] COMPUTER-GENERATED CONTENT BASED ON TEXT CLASSIFICATION, SEMANTIC RELEVANCE, AND ACTIVATION OF DEEP LEARNING LARGE LANGUAGE MODELS</p> <p>[54] CONTENU GENERE PAR ORDINATEUR EN FONCTION DE LA CATEGORISATION DE TEXTES, LA PERTINENCE SEMANTIQUE ET L'ACTIVATION DE GRANDS MODELES DE LANGAGE PAR APPRENTISSAGE PROFOND</p> <p>[72] ABERLE, STEVEN THOMAS, US</p> <p>[71] ROHIRRIM, INC., US</p> <p>[22] 2023-07-24</p> <p>[41] 2024-02-22</p> <p>[30] US (63/399,932) 2022-08-22</p> <p>[30] US (18/190,791) 2023-03-27</p> <p>[30] US (18/343,683) 2023-06-28</p>	<p style="text-align: right;">[21] 3,208,020 [13] A1</p> <p>[51] Int.Cl. F04B 53/22 (2006.01) F04B 1/0408 (2020.01) F04B 1/0448 (2020.01) E21B 43/26 (2006.01) F04B 1/00 (2020.01) F04B 15/02 (2006.01) F04B 53/02 (2006.01) F04B 53/14 (2006.01) F04B 53/16 (2006.01) F16B 35/00 (2006.01) F16B 39/24 (2006.01)</p> <p>[25] EN</p> <p>[54] PACKING BORE WEAR SLEEVE RETAINER SYSTEM</p> <p>[54] SYSTEME DE RETENUE DE MANCHON D'USURE DE GARNITURE DE TROU</p> <p>[72] ELLISOR, KYLE MATTHEW, US</p> <p>[72] ALEX, AKHIL, US</p> <p>[72] BERRYHILL, BEN, US</p> <p>[72] MULLINS, CHANCE RAY, US</p> <p>[72] NEWBERG, STEVEN ZACHARY, US</p> <p>[71] VULCAN INDUSTRIAL HOLDINGS, LLC, US</p> <p>[22] 2023-08-01</p> <p>[41] 2024-02-18</p> <p>[30] US (17/890,975) 2022-08-18</p>
<p style="text-align: right;">[21] 3,206,773 [13] A1</p> <p>[51] Int.Cl. B64D 29/08 (2006.01) E05F 15/622 (2015.01) F16D 41/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ONE-WAY SPEED LIMITER FOR A POWER DOOR OPENING SYSTEM FOR AN AIRCRAFT</p> <p>[54] LIMITEUR DE VITESSE UNIDIRECTIONNEL POUR UN SYSTEME D'OUVERTURE DE PORTE ELECTRIQUE D'UN AERONEF</p> <p>[72] TRIPATHI, AMIT KUMAR, IN</p> <p>[71] HAMILTON SUNDSTRAND CORPORATION, US</p> <p>[22] 2023-07-17</p> <p>[41] 2024-02-20</p> <p>[30] IN (202211047480) 2022-08-20</p>	<p style="text-align: right;">[21] 3,207,720 [13] A1</p> <p>[51] Int.Cl. B01D 35/143 (2006.01) B01D 25/164 (2006.01)</p> <p>[25] EN</p> <p>[54] FILTER-PRESS FILTER-CLOTH DAMAGE DETECTION DEVICE</p> <p>[54] DISPOSITIF DE DETECTION DE L'ENDOMMAGEMENT D'UNE TOILE FILTRANTE DE FILTRE-PRESSE</p> <p>[72] SHIBAKAWA, YUSUKE, JP</p> <p>[71] ISHIGAKI COMPANY LIMITED, JP</p> <p>[22] 2023-07-27</p> <p>[41] 2024-02-19</p> <p>[30] JP (JP2022-130857) 2022-08-19</p> <p>[30] JP (JP2022-130858) 2022-08-19</p>	<p style="text-align: right;">[21] 3,208,081 [13] A1</p> <p>[51] Int.Cl. B61C 7/04 (2006.01) H01M 8/2465 (2016.01) B61C 3/00 (2006.01) B61C 17/04 (2006.01) B61D 15/00 (2006.01) H01M 8/02 (2016.01) H01M 8/04 (2016.01)</p> <p>[25] EN</p> <p>[54] RAIL VEHICLE COMPRISING A POWERPACK WITH A FUEL CELL AND A FUEL TANK</p> <p>[54] VEHICULE FERROVIAIRE COMPRENANT UN BLOC D'ALIMENTATION AVEC UNE PILE A COMBUSTIBLE ET UN RESERVOIR DE COMBUSTIBLE</p> <p>[72] JENNI, STEFAN, CH</p> <p>[72] WAGNIERE, MARC, CH</p> <p>[72] SUTER, FABIAN, CH</p> <p>[72] KAGI, THOMAS, CH</p> <p>[72] SCHMID, BEAT, CH</p> <p>[72] BERNSDORF, STEFAN, CH</p> <p>[72] WEBER, MARKUS, CH</p> <p>[72] JONES, ROBERT, AT</p> <p>[72] TOH, CHEE WEE, CH</p> <p>[72] WILLIAMS, DAVID, CH</p> <p>[71] STADLER RAIL AG, CH</p> <p>[22] 2023-08-01</p> <p>[41] 2024-02-23</p> <p>[30] EP (22191601.8) 2022-08-23</p>

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18 février 2024 au 24 février 2024

[21] 3,208,100

[13] A1

- [51] Int.Cl. A47B 3/08 (2006.01) E05D
11/10 (2006.01) F16C 11/10 (2006.01)
- [25] EN
- [54] FOLDING TABLE AND HINGE ASSEMBLY THEREFOR
- [54] TABLE PLIANTE ET ASSEMBLAGE DE CHARNIERE CONNEXE
- [72] LORE, JOHN, CA
- [72] MCILVEEN, KATIE, CA
- [72] BROWN, PETER, CA
- [71] LIVE EDGE DESIGN INC., CA
- [22] 2023-08-01
- [41] 2024-02-19
- [30] US (63/399592) 2022-08-19
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[21] 3,208,218

[13] A1

- [51] Int.Cl. A24F 40/42 (2020.01) A24F
40/10 (2020.01) A24F 40/40 (2020.01)
A24F 40/485 (2020.01)
- [25] EN
- [54] ELECTRONIC VAPORIZATION DEVICE AND VAPORIZER THEREOF AND LIQUID STORAGE BODY
- [54] DISPOSITIF DE VAPORISATION ELECTRONIQUE, VAPORISATEUR CONNEXE ET CORPS DE STOCKAGE DE LIQUIDE
- [72] XIE, JU, CN
- [71] SHENZHEN VERDEWELL TECHNOLOGY LIMITED, CN
- [22] 2023-08-03
- [41] 2024-02-18
- [30] CN (202210994008.9) 2022-08-18
-

[21] 3,208,220

[13] A1

- [51] Int.Cl. A24F 40/10 (2020.01) A24F
42/10 (2020.01)
- [25] EN
- [54] ELECTRONIC VAPORIZATION DEVICE, VAPORIZER, AND VAPORIZATION BODY THEREOF
- [54] DISPOSITIF DE VAPORISATION ELECTRONIQUE, VAPORISATEUR ET CORPS DE VAPORISATION CONNEXE
- [72] XIE, JU, CN
- [71] SHENZHEN VERDEWELL TECHNOLOGY LIMITED, CN
- [22] 2023-08-03
- [41] 2024-02-18
- [30] CN (202210995060.6) 2022-08-18
-

[21] 3,208,228

[13] A1

- [51] Int.Cl. B01D 53/26 (2006.01) F04B
39/02 (2006.01) F04B 39/16 (2006.01)
- [25] EN
- [54] COMPRESSOR INSTALLATION
- [54] INSTALLATION DE COMPRESSEUR
- [72] DE RAEMAEKER, PIETER, BE
- [71] ATLAS COPCO AIRPOWER,
NAAMLOZE VENNOOTSCHAP, BE
- [22] 2023-08-03
- [41] 2024-02-22
- [30] BE (2022/5658) 2022-08-22
-

[21] 3,208,285

[13] A1

- [51] Int.Cl. B61C 7/00 (2006.01) B60L
15/20 (2006.01) B60W 50/00 (2006.01)
B61C 3/00 (2006.01) B61L 15/00
(2006.01)
- [25] EN
- [54] METHOD FOR OPTIMIZING THE DRIVING STRATEGY OF A RAIL VEHICLE, DATA PROCESSING APPARATUS, COMPUTER PROGRAM PRODUCT, COMPUTER-READABLE MEDIUM, AND A RAIL VEHICLE HAVING AN ENERGY-STORAGE DEVICE, ENERGY-GENERATING DEVICE, AND DATA PROCESSING APPARATUS
- [54] METHODE POUR OPTIMISER LA STRATEGIE DE CONDUITE D'UN VEHICULE FERROVIAIRE, APPAREIL DE TRAITEMENT DES DONNEES, PROGRAMME INFORMATIQUE, SUPPORT LISIBLE PAR ORDINATEUR ET VEHICULE FERROVIAIRE COMPRENANT UN DISPOSITIF DE STOCKAGE D'ENERGIE, UN DISPOSITIF DE GENERATION D'ENERGIE ET UN APPAREIL DE TRAITEMENT DES DONNEES
-

- [72] BUCHNER, ANDREAS, DE
- [71] STADLER RAIL AG, CH
- [22] 2023-08-03
- [41] 2024-02-22
- [30] EP (22191416.1) 2022-08-22
-

[21] 3,208,388

[13] A1

- [51] Int.Cl. A01C 23/00 (2006.01) A01K
1/01 (2006.01) E05C 1/08 (2006.01)
E06B 5/00 (2006.01)
- [25] EN
- [54] DOOR ASSEMBLY FOR A MANURE HOLDING TANK
- [54] ASSEMBLAGE DE PORTE POUR UN BASSIN DE RETENTION DE FUMIER
- [72] NUHN, IAN, CA
- [71] NUHN INDUSTRIES LTD., CA
- [22] 2023-08-04
- [41] 2024-02-22
- [30] US (63/399,954) 2022-08-22
-

[21] 3,208,440

[13] A1

- [51] Int.Cl. H10N 30/80 (2023.01) H10N
30/057 (2023.01) H10N 30/067
(2023.01) H10N 30/30 (2023.01)
- [25] EN
- [54] PIEZOELECTRIC SENSOR DEVICE
- [54] CAPTEUR PIEZOELECTRIQUE
- [72] EGGER, GERALD, CH
- [72] GIOSSI, SAMUEL, CH
- [72] JEUNET, CYRIL, CH
- [71] MEGGITT SA, CH
- [22] 2023-08-01
- [41] 2024-02-19
- [30] EP (22191175.3) 2022-08-19
-

[21] 3,208,539

[13] A1

- [51] Int.Cl. B64D 27/10 (2006.01) F02C
7/00 (2006.01)
- [25] EN
- [54] COMPRESSOR HAVING A DUAL-IMPELLER
- [54] COMPRESSEUR A DEUX ROTORS
- [72] IVANKOVIC, MILOS, CA
- [71] PRATT & WHITNEY CANADA CORP., CA
- [22] 2023-08-04
- [41] 2024-02-18
- [30] US (17/820,607) 2022-08-18
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[21] 3,208,786

[13] A1

- [51] Int.Cl. B60L 50/11 (2019.01) B60L 53/54 (2019.01) B61C 3/00 (2006.01) B61C 9/38 (2006.01) H02M 3/00 (2006.01)
- [25] EN
- [54] RAIL VEHICLE, METHOD FOR OPERATING A RAIL VEHICLE AND USE OF A TRACTION BATTERY
- [54] VEHICULE FERROVIAIRE, METHODE D'EXPLOITATION D'UN VEHICULE FERROVIAIRE ET UTILISATION D'UNE BATTERIE DE TRACTION
- [72] MUHLBAUER, THOMAS, CH
- [72] SPILLMANN, MARKUS, CH
- [72] FECHTING, PIERRE, CH
- [72] TSCHENG, JORGEN, CH
- [71] STADLER RAIL AG, CH
- [22] 2023-08-08
- [41] 2024-02-23
- [30] EP (22191600.0) 2022-08-23
-

[21] 3,208,790

[13] A1

- [51] Int.Cl. B64D 15/20 (2006.01)
- [25] EN
- [54] VARIABLE SHAPE SENSING ELEMENT OF A MAGNETOSTRICTIVE OSCILLATING ICE DETECTOR SENSOR FOR IMPROVED ICE COLLECTION EFFICIENCY USING ADDITIVE MANUFACTURING
- [54] ELEMENT DETECTEUR DE FORME VARIABLE ET DE FABRICATION ADDITIVE D~UN DETECTEUR DE GIVRAGE A OSCILLATEUR MAGNETOSTRICTIF POUR AMELIORER LA COLLECTE EFFICACE DE GLACE
- [72] ROMAN, JAMISON K., US
- [72] REGAN, MARC, US
- [72] SCHWEITZER, JEREMIAH, US
- [71] ROSEMOUNT AEROSPACE INC., US
- [22] 2023-08-09
- [41] 2024-02-18
- [30] US (17/820,784) 2022-08-18
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[21] 3,208,811

[13] A1

- [51] Int.Cl. A01F 29/09 (2010.01) A01F 29/01 (2006.01) A01F 29/10 (2006.01)
- [25] EN
- [54] DEVICE FOR SHREDDING FIBROUS PLANT MATERIAL
- [54] DISPOSITIF POUR DECHIQUETER DES MATIERES DE PLANTE FIBREUSES
- [72] LIET, ROBERT JAN, NL
- [71] TRIOLIET B.V., NL
- [22] 2023-08-09
- [41] 2024-02-22
- [30] DE (102022121143.6) 2022-08-22
-

[21] 3,208,812

[13] A1

- [25] EN
- [54] SYSTEM FOR AND METHOD OF MULTIPLE MACHINE LEARNING MODEL AGGREGATION
- [54] SYSTEME ET METHODE POUR L~AGREGATION DE MODELES D~APPRENTISSAGE AUTOMATIQUE
- [72] MANDAPAKA, BHASKAR, US
- [72] ATHAVALE, NEIL, US
- [72] MOHANDAS, ANOOP, US
- [72] PANCHANGAM, SHASHANK, US
- [72] DEV, ASHWANI, US
- [72] HEPLER, CAREY, US
- [72] ZACHARIA, SHIJU, US
- [72] WOLFL, CHRIS, US
- [72] KUNHIRAMAN, SMITH, US
- [71] CROWLEY GOVERNMENT SERVICES, INC., US
- [22] 2023-08-09
- [41] 2024-02-19
- [30] US (63/399,554) 2022-08-19
-

[21] 3,208,895

[13] A1

- [25] EN
- [54] SENSORS AND SENSOR SYSTEMS FOR MEASURING SHEAR FORCE AND VERTICAL TORQUE
- [54] CAPTEURS ET SYSTEMES DE CAPTEURS POUR MESURER UNE FORCE DE CISAILLEMENT ET UN COUPLE VERTICAL
- [72] BLADES, SAMUEL CARL WILLIAM, CA
- [71] ORPYX MEDICAL TECHNOLOGIES INC., CA
- [22] 2023-08-10
- [41] 2024-02-19
- [30] US (63/399,295) 2022-08-19
-

[21] 3,208,972

[13] A1

- [51] Int.Cl. H04L 67/56 (2022.01) H04L 67/30 (2022.01) H04L 67/63 (2022.01) H04L 9/32 (2006.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR RETRIEVING DATA USING A BROWSER INSTANCE
- [54] SYSTEMES ET METHODES POUR RECUPERER DES DONNEES AU MOYEN D'UNE INSTANCE DE NAVIGATEUR
- [72] DUFRESNE, MARC-ANDRE, CA
- [72] LEBEL, SIMON-PIERRE, CA
- [72] DUBE-COUSINEAU, JULIEN, CA
- [72] GRANA, DANIEL, UY
- [72] SOBERANIS, DIEGO, CA
- [72] COURA, HENRIQUE BARBOSA, BR
- [72] LEGRAND, ARTHUR, CA
- [71] FLINKS TECHNOLOGY INC., CA
- [22] 2023-08-10
- [41] 2024-02-23
- [30] US (63/400,210) 2022-08-23
-

[21] 3,209,018

[13] A1

- [51] Int.Cl. A61F 2/38 (2006.01) A61F 2/30 (2006.01) A61F 2/46 (2006.01)
- [25] EN
- [54] TIBIAL PROSTHESIS WITH DISTAL FEATURES FOR CEMENTED FIXATION
- [54] PROTHESE TIBIALE PRESENTANT DES CARACTERISTIQUES DISTALES POUR UNE FIXATION COLLEE
- [72] BISEK, AARON J., US
- [72] TRISCHLER, CORY, US
- [72] BRANSCOME, DOUGLAS G., US
- [72] WILSON, VANESSA MARIE, US
- [71] ZIMMER, INC., US
- [22] 2023-08-10
- [41] 2024-02-22
- [30] US (63/399,902) 2022-08-22
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Demandes canadiennes mises à la disponibilité du public
18 février 2024 au 24 février 2024

[21] 3,209,020
[13] A1
[51] Int.Cl. B63B 43/18 (2006.01) B63B 34/10 (2020.01) B63B 79/40 (2020.01)
[25] EN
[54] SAFETY SYSTEM AND METHOD FOR WATERCRAFT
[54] SISTÈME DE SECURITÉ ET MÉTHODE POUR UNE EMBARCATION
[72] LANDRY, JEAN-PHILIPPE, CA
[72] RICHARD, HUGO, CA
[72] BRUNEAU, SAMUEL, CA
[71] TAIGA MOTORS INC., CA
[22] 2023-08-10
[41] 2024-02-18
[30] US (63/398,916) 2022-08-18

[21] 3,209,275
[13] A1
[51] Int.Cl. E04G 1/36 (2006.01) E04B 7/00 (2006.01) E04H 7/22 (2006.01)
[25] EN
[54] WORKER SUPPORT APPARATUS FOR CONICAL ROOF CONSTRUCTION
[54] APPAREIL DE SUPPORT DE TRAVAILLEURS POUR LA CONSTRUCTION D'UN TOIT CONIQUE
[72] NEUFELD, HERMAN REMPEL, CA
[71] NEUFELD, HERMAN REMPEL, CA
[22] 2023-08-11
[41] 2024-02-22
[30] US (63/399,807) 2022-08-22

[21] 3,209,289
[13] A1
[25] EN
[54] DEVICES, SYSTEMS, AND METHODS FOR REAL TIME AUDIENCE MEASUREMENT IN HOSPITALITY ENVIRONMENTS
[54] DISPOSITIFS, SYSTÈMES ET MÉTHODES POUR UNE MESURE D'AUDIENCE EN TEMPS REEL DANS LES ENVIRONNEMENTS D'ACCUEIL
[72] AASEN, ERIC, US
[72] PLUFORD, JOSHUA H., US
[72] STOEL, LEON P., US
[71] SONIFI SOLUTIONS, INC., US
[22] 2023-08-14
[41] 2024-02-18
[30] US (17/890,556) 2022-08-18

[21] 3,209,029
[13] A1
[51] Int.Cl. A61F 2/38 (2006.01) A61F 2/30 (2006.01)
[25] EN
[54] TIBIAL PROSTHESIS WITH DISTAL FEATURES FOR NON-CEMENTED FIXATION
[54] PROTHESE TIBIALE PRÉSENTANT DES CARACTÉRISTIQUES DISTALES POUR UNE FIXATION NON COLLÉE
[72] TRISCHLER, CORY, US
[72] BRANSCOME, DOUGLAS G., US
[72] BISEK, AARON J., US
[71] ZIMMER, INC., US
[22] 2023-08-10
[41] 2024-02-22
[30] US (63/399,911) 2022-08-22

[21] 3,209,276
[13] A1
[51] Int.Cl. G06F 17/00 (2019.01) H04L 67/306 (2022.01) H04L 67/51 (2022.01) G06Q 40/00 (2023.01)
[25] EN
[54] SYSTEM AND METHOD FOR APPLYING USER DATA IN ACCESSING OF INSTITUTIONAL PRODUCTS
[54] SISTÈME ET MÉTHODE POUR APPLIQUER DES DONNÉES UTILISATEUR À L'ACCÈS AUX PRODUITS D'ENTREPRISE
[72] BELTRAN, NOHRA, CA
[72] ALSIBAI, DANA, CA
[72] CLIFF, CHRISTOPHER, CA
[72] NANDAKUMAR, HARIISH, CA
[72] MCISAAC, HANNAH, CA
[72] GONCALVES, KELLY, CA
[72] SOO, SELENE, CA
[72] LAM, CHAI, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-08-14
[41] 2024-02-24
[30] US (63/400,528) 2022-08-24

[21] 3,209,294
[13] A1
[51] Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 19/00 (2016.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)
[25] EN
[54] CUCUMBER VARIETY NUN 57037 CUC
[54] CONCOMBRE DE VARIÉTÉ NUN 57037 CUC
[72] SUELmann, JOS, NL
[71] NUNHEMs B.V., NL
[22] 2023-08-11
[41] 2024-02-24
[30] US (17/895,781) 2022-08-25
[30] CA (3,171,041) 2022-08-24

[21] 3,209,222
[13] A1
[25] EN
[54] ACOUSTICAL HEALTH MONITORING OF GAS TURBINE ENGINES
[54] SURVEILLANCE D'ETAT ACOUSTIQUE DE TURBINES À GAZ
[72] BOYD, PETER, CA
[72] GHATTAS, ANDREW, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-08-11
[41] 2024-02-22
[30] US (17/892,777) 2022-08-22

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[21] 3,209,304

[13] A1

[51] Int.Cl. B60L 53/30 (2019.01) B60L 53/00 (2019.01) B60L 53/50 (2019.01) B60L 53/53 (2019.01)

[25] EN

[54] ELECTRIC VEHICLE CHARGING SYSTEM WITH CEILING MOUNTED ELECTRICAL POWER DISTRIBUTION
[54] SYSTEME DE RECHARGE DE VEHICULE ELECTRIQUE A DISTRIBUTION D'ALIMENTATION ELECTRIQUE INSTALLEE AU PLAFOND

[72] REESE, ROBERT J., US

[71] EATON INTELLIGENT POWER LIMITED, IE

[22] 2023-08-14

[41] 2024-02-18

[30] US (63/398895) 2022-08-18

[21] 3,209,312

[13] A1

[51] Int.Cl. B65D 41/02 (2006.01) B65D 47/08 (2006.01) B65D 51/00 (2006.01)

[25] EN

[54] CLOSING CAP FOR POURING HOLES FOR CONTAINERS HOLDING LIQUIDS
[54] BOUCHON DE FERMETURE POUR LES TROUS DE VERSAGE DE CONTENANTS REMPLIS DE LIQUIDES

[72] BERROA GARCIA, JAVIER, ES

[71] BETAPACK, S.A.U., ES

[22] 2023-08-14

[41] 2024-02-23

[30] ES (202231389U) 2022-08-23

[21] 3,209,315

[13] A1

[51] Int.Cl. G06Q 50/26 (2024.01) G06F 3/04817 (2022.01) G06F 3/04842 (2022.01) G06V 20/40 (2022.01) G06V 20/60 (2022.01) G06Q 10/0631 (2023.01)

[25] EN

[54] CRIME CENTER SYSTEM PROVIDING VIDEO-BASED OBJECT TRACKING USING AN ACTIVE CAMERA AND A 360- DEGREE NEXT-UP CAMERA SET
[54] SYSTEME DE CENTRE DU CRIME OFFRANT LE SUIVI D~OBJET EN VIDEO AU MOYEN D~UNE CAMERA ACTIVE ET D~UN ENSEMBLE DE CAMERAS SUIVANTES SUR 360 DEGRES

[72] ROBINSON, DAVID A., US

[72] SMITH, JESSE, US

[72] PROTSMAN, MASON C., US

[71] FUSUS, INC., US

[22] 2023-08-14

[41] 2024-02-18

[30] US (17/890,960) 2022-08-18

[21] 3,209,330

[13] A1

[51] Int.Cl. H04M 3/42 (2006.01) H04W 4/90 (2018.01)

[25] EN

[54] ACTIVE CALL LAWFUL INTERCEPTION AND PRESERVATION TECHNIQUE
[54] INTERCEPTION LEGALE D~UN APPEL ACTIF ET TECHNIQUE DE PRESERVATION

[72] GUDIPATI, VENKATA AJARESH, IN
[71] MITEL NETWORKS CORPORATION, CA

[22] 2023-08-14

[41] 2024-02-18

[30] US (17/890779) 2022-08-18

[21] 3,209,389

[13] A1

[25] EN
[54] SYSTEM AND METHOD FOR DETERMINING REGIONAL SENSOR DATA

[54] SYSTEME ET METHODE POUR LA DETERMINATION DE DONNEES DE CAPTEURS REGIONALES

[72] CASTONGUAY-SIU, VINCENT CYPRIEN, CA

[72] GUPTA, SANJAY, CA

[71] ORPYX MEDICAL TECHNOLOGIES INC., CA

[22] 2023-08-15

[41] 2024-02-23

[30] US (63/400,113) 2022-08-23

[21] 3,209,421

[13] A1

[51] Int.Cl. A47D 1/00 (2006.01) A47C 7/62 (2006.01)

[25] EN

[54] INFANT SEAT

[54] SIEGE POUR ENFANT

[72] PANKRATZ, STEPHEN, CA

[71] NUVATE INC., CA

[22] 2023-08-15

[41] 2024-02-22

[30] US (63/399,857) 2022-08-22

[21] 3,209,432

[13] A1

[51] Int.Cl. E21B 47/092 (2012.01) G01D 5/22 (2006.01)

[25] EN

[54] MAG SENSE TOOL

[54] OUTIL DE DETECTION MAGNETIQUE

[72] LIVINGSTON, JIMMY, US

[72] PHELPS, PHILLIP R., US

[71] OIL STATES ENERGY SERVICES, L.L.C., US

[22] 2023-08-15

[41] 2024-02-23

[30] US (17/893,301) 2022-08-23

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<p>[21] 3,209,448 [13] A1</p> <p>[51] Int.Cl. A01C 7/08 (2006.01) B01F 25/40 (2022.01) B01F 25/421 (2022.01) B01F 25/433 (2022.01) A01C 15/16 (2006.01) B65G 53/06 (2006.01)</p> <p>[25] EN</p> <p>[54] SECTION CONTROL SYSTEM</p> <p>[54] SYSTEME DE CONTROLE DE SECTION</p> <p>[72] RYAN, JOHN WILLIAM, AU</p> <p>[72] LOVELL, BRETT FORBES, AU</p> <p>[71] AUSPLOW PTY. LTD., AU</p> <p>[22] 2023-08-16</p> <p>[41] 2024-02-22</p> <p>[30] AU (2022902397) 2022-08-22</p>

<p>[21] 3,209,460 [13] A1</p> <p>[51] Int.Cl. F01D 5/30 (2006.01)</p> <p>[25] EN</p> <p>[54] SIMULTANEOUSLY ASSEMBLING ROTOR BLADES WITH A GAS TURBINE ENGINE ROTOR DISK</p> <p>[54] ASSEMBLAGE SIMULTANE DES AUBES DE ROTOR SUR UN DISQUE DE ROTOR DE TURBINE A GAZ</p> <p>[72] WEST, ROBERT, CA</p> <p>[72] MAH, HOWARD, CA</p> <p>[72] KRISHNASAMY, SOWRIRAJA, CA</p> <p>[72] MICHALAGAS, DEAN-ANDREW, CA</p> <p>[71] PRATT & WHITNEY CANADA CORP., CA</p> <p>[22] 2023-08-16</p> <p>[41] 2024-02-19</p> <p>[30] US (17/891,789) 2022-08-19</p>
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<p>[21] 3,209,487 [13] A1</p> <p>[51] Int.Cl. F01D 5/02 (2006.01) F01D 25/28 (2006.01)</p> <p>[25] EN</p> <p>[54] SIMULTANEOUSLY DISASSEMBLING ROTOR BLADES FROM A GAS TURBINE ENGINE ROTOR DISK</p> <p>[54] DEMONTAGE SIMULTANÉ DES AUBES DE ROTOR D'UN DISQUE DE ROTOR DE TURBINE A GAZ</p> <p>[72] WEST, ROBERT, CA</p> <p>[72] MAH, HOWARD, CA</p> <p>[72] KRISHNASAMY, SOWRIRAJA, CA</p> <p>[72] MICHALAGAS, DEAN-ANDREW, CA</p> <p>[71] PRATT & WHITNEY CANADA CORP., CA</p> <p>[22] 2023-08-16</p> <p>[41] 2024-02-19</p> <p>[30] US (17/891,784) 2022-08-19</p>
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<p>[21] 3,209,503 [13] A1</p> <p>[51] Int.Cl. B01D 69/08 (2006.01) B01D 67/00 (2006.01) C02F 1/44 (2006.01)</p> <p>[25] EN</p> <p>[54] PRODUCTION METHOD FOR MULTILAYER POROUS HOLLOW FIBER MEMBRANE, AND POROUS HOLLOW FIBER MEMBRANE</p> <p>[54] METHODE DE PRODUCTION D'UNE FIBRE CREUSE POREUSE MULTICOUCHE, ET FIBRE CREUSE POREUSE</p> <p>[72] MIKI, YUKI, JP</p> <p>[71] ASAHI KASEI KABUSHIKI KAISHA, JP</p> <p>[22] 2023-08-16</p> <p>[41] 2024-02-22</p> <p>[30] JP (2022-132092) 2022-08-22</p>

<p>[21] 3,209,525 [13] A1</p> <p>[25] EN</p> <p>[54] TRAFFIC SIGNAL ASSEMBLY WITH HEATING ELEMENT</p> <p>[54] ASSEMBLAGE DE SIGNAL ROUTIER COMPRENANT UN ELEMENT CHAUFFANT</p> <p>[72] CORNELIUS, KEVIN MICHAEL, US</p> <p>[72] HOLM, ALEC MICHAEL, US</p> <p>[72] PAWLAK, JAY MARTIN, US</p> <p>[72] TUMMINARO, ROBERT FRANK, US</p> <p>[71] TRAMEC, L.L.C., US</p> <p>[22] 2023-08-16</p> <p>[41] 2024-02-23</p> <p>[30] US (17/893,699) 2022-08-23</p>

<p>[21] 3,209,528 [13] A1</p> <p>[51] Int.Cl. D04B 1/18 (2006.01) A61F 2/78 (2006.01) D04B 1/26 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPRESSION KNITTED FABRIC AND METHOD FOR PRODUCING A COMPRESSION KNITTED FABRIC FOR PROSTHETIC STOCKINGS</p> <p>[54] TRICOT COMPRESSIF ET MÉTHODE DE FABRICATION D'UN TRICOT COMPRESSIF POUR DES BAS DE PROTHESE</p> <p>[72] LECHNER, SIEGFRIED, DE</p> <p>[71] JULIUS ZORN INC., US</p> <p>[22] 2023-08-16</p> <p>[41] 2024-02-22</p> <p>[30] DE (10 2022 121 165.7) 2022-08-22</p>
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Canadian Applications Open to Public Inspection

February 18, 2024 to February 24, 2024

[21] 3,209,530

[13] A1

[51] Int.Cl. H01H 71/12 (2006.01) H01H
31/02 (2006.01) H03K 17/08 (2006.01)

[25] EN

[54] A SOLID-STATE CIRCUIT
BREAKER INCLUDES AIRGAP
OPERATING MECHANISM
CONFIGURED TO OPERATE IN
LIMITED SPACE

[54] COUPE-CIRCUIT A
SEMICONDUCTEURS
COMPRENANT UN MECANISME
DE CONTROLE D'ENTREPRE
CONFIGURE POUR
FONCTIONNER DANS UN
ESPACE LIMITE

[72] KIM, RAIDEN JAY, US

[72] YANG, GUANG, US

[72] TITUS, SOLOMON R., US

[72] SHMUKLER, MARK I., US

[72] NGUYEN, HUY, US

[71] SIEMENS INDUSTRY, INC., US

[22] 2023-08-16

[41] 2024-02-18

[30] US (17/820,790) 2022-08-18

[21] 3,209,590

[13] A1

[51] Int.Cl. E01F 9/662 (2016.01) B62D
63/08 (2006.01) G08G 1/09 (2006.01)

[25] EN

[54] TANDEM AUTOMATED
FLAGGER TRAILER HITCH
COUPLING

[54] RACCORD D'ATTACHE DE
REMORQUES EN TANDEM POUR
SIGNALEUR AUTOMATISE

[72] FANSLOW, JARED, US

[71] SAFETY TECHNOLOGIES, INC., US

[22] 2023-08-17

[41] 2024-02-22

[30] US (17/892,352) 2022-08-22

[21] 3,209,592

[13] A1

[25] EN

[54] USING CONNECTED VEHICLES
AS SECONDARY DATA SOURCES
TO CONFIRM WEATHER DATA
AND TRIGGERING EVENTS

[54] UTILISATION DE VEHICULES
CONNECTES COMME SOURCES
DE DONNEES SECONDAIRES
AFIN DE CONFIRMER LES
DONNEES METEOROLOGIQUES
ET LES EVENEMENTS
DECLENCHEURS

[72] GROSS, RYAN MICHAEL, US

[72] RILEY, MATTHEW ERIC, SR., US

[72] THOELE, JODY ANN, US

[72] JEFFERS, JORDAN, US

[72] HARBAUGH, SHAWN RENEE, US

[72] LOVINGS, RICK, US

[72] YANT, JOANN C., US

[72] JACOBS, JENNY L., US

[71] THE TORONTO-DOMINION BANK,
CA

[22] 2023-08-17

[41] 2024-02-18

[30] US (63/399,045) 2022-08-18

[30] US (63/402,717) 2022-08-31

[30] US (63/410,394) 2022-09-27

[30] US (17/979,729) 2022-11-02

[21] 3,209,617

[13] A1

[51] Int.Cl. A01M 31/02 (2006.01) E06C
7/16 (2006.01)

[25] EN

[54] PLATFORM ASSEMBLY FOR
ATTACHMENT TO A TREE

[54] ASSEMBLAGE DE PLATEFORME
A FIXER A UN ARBRE

[72] LEACH, KEVIN, US

[72] CHOPP, ALEX, US

[72] MATELIC, JAKE, US

[71] LATITUDE OUTDOORS, LLC, US

[22] 2023-08-17

[41] 2024-02-22

[30] US (17/821,262) 2022-08-22

[21] 3,209,622

[13] A1

[51] Int.Cl. B64D 33/04 (2006.01) F01D
25/30 (2006.01) F01K 1/04 (2006.01)

[25] EN

[54] EXHAUST ASSEMBLY FOR
PURGING A NACELLE CAVITY
OF A PROPULSION SYSTEM

[54] ASSEMBLAGE D'ECHAPPEMENT
POUR VIDER UNE CAVITE DE
FUSEAU D'UN SYSTEME DE
PROPULSION

[72] GOVER, CHRISTOPHER, CA

[71] PRATT & WHITNEY CANADA
CORP., CA

[22] 2023-08-17

[41] 2024-02-19

[30] US (17/891,740) 2022-08-19

[21] 3,209,627

[13] A1

[51] Int.Cl. G06N 3/09 (2023.01) G06F
40/205 (2020.01) G06N 3/0442
(2023.01) G06F 11/30 (2006.01)

[25] EN

[54] TRAINING OF LSTM NEURAL
NETWORK TO MODEL AND
PREDICT APPLICATION LOG
SEQUENCES

[54] ENTRAINEMENT D'UN RESEAU
NEURONAL A LONGUE
MEMOIRE A COURT TERME
(LSTM) POUR MODELISER ET
PREVOIR DES SEQUENCES DE
JOURNAUX D'APPLICATION

[72] BAJNATHSINGH, REECE, CA

[72] REZAEE, MILAD, CA

[72] AMER, FARAH, CA

[72] LACEY, GARRET, CA

[71] ROYAL BANK OF CANADA, CA

[22] 2023-08-18

[41] 2024-02-24

[30] US (63/400,663) 2022-08-24

Demandes canadiennes mises à la disponibilité du public
18 février 2024 au 24 février 2024

<p style="text-align: right;">[21] 3,209,649 [13] A1</p> <p>[51] Int.Cl. G06F 21/32 (2013.01) G06N 20/00 (2019.01) G06Q 30/015 (2023.01)</p> <p>[25] EN</p> <p>[54] OMNI CHANNEL AUTHENTICATION</p> <p>[54] AUTHENTIFICATION OMNICANALE</p> <p>[72] MERCHANT, MOHAMMEDALI, US</p> <p>[72] GUPTA, PAYAS, US</p> <p>[71] PINDROP SECURITY, INC., US</p> <p>[22] 2023-08-17</p> <p>[41] 2024-02-18</p> <p>[30] US (63/399,132) 2022-08-18</p>	<p style="text-align: right;">[21] 3,209,692 [13] A1</p> <p>[51] Int.Cl. H01L 23/46 (2006.01) H01L 23/40 (2006.01) H05K 7/20 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR FIXING A LIQUID COOLING BLOCK ON A HEAT-GENERATING ELECTRONIC COMPONENT</p> <p>[54] SYSTEME ET METHODES POUR FIXER UN BLOC DE REFROIDISSEMENT PAR LIQUIDE SUR UN COMPOSANT ELECTRONIQUE GENERANT DE LA CHALEUR</p> <p>[72] MENEBOO, ALEXANDRE ALAIN JEAN-PIERRE, FR</p> <p>[72] BAUCHART, GREGORY FRANCIS LOUIS, FR</p> <p>[72] CHEHADE, ALI, FR</p> <p>[71] OVH, FR</p> <p>[22] 2023-08-17</p> <p>[41] 2024-02-18</p> <p>[30] EP (22306239.9) 2022-08-18</p>	<p style="text-align: right;">[21] 3,209,699 [13] A1</p> <p>[51] Int.Cl. B60L 15/20 (2006.01) B60W 40/105 (2012.01) B60L 3/12 (2006.01) G01F 9/02 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND DEVICE TO IMPROVE MILEAGE</p> <p>[54] METHODE ET DISPOSITIF POUR AMELIORER L'EFFICACITE ENERGETIQUE D'UN VEHICULE</p> <p>[72] PAULSON, PETER O., CA</p> <p>[72] PAULSON, JAMES E., CA</p> <p>[71] YELLOWBIRD PRODUCTS LTD., CA</p> <p>[22] 2023-08-18</p> <p>[41] 2024-02-18</p> <p>[30] US (63/399,126) 2022-08-18</p>
<p style="text-align: right;">[21] 3,209,683 [13] A1</p> <p>[25] EN</p> <p>[54] MAGNETIC RESONANCE METHOD AND SYSTEM FOR CHARACTERIZING CIRCULAR COUETTE FLOW OF FLUIDS</p> <p>[54] METHODE DE RESONANCE MAGNETIQUE ET SYSTEME POUR CARACTERISER UNE INSTABILITE DE COUETTE CIRCULAIRE DES FLUIDES</p> <p>[72] SELBY, WILLIAM, CA</p> <p>[72] MASTIKHIN, IGOR V., CA</p> <p>[71] THE UNIVERSITY OF NEW BRUNSWICK, CA</p> <p>[22] 2023-08-18</p> <p>[41] 2024-02-22</p> <p>[30] US (63399952) 2022-08-22</p>	<p style="text-align: right;">[21] 3,209,695 [13] A1</p> <p>[51] Int.Cl. H05K 7/20 (2006.01) H01L 23/44 (2006.01) H02H 5/08 (2006.01) H05K 1/18 (2006.01)</p> <p>[25] EN</p> <p>[54] IMMERSION-COOLED ELECTRONIC DEVICE AND COOLING MONITORING SYSTEM FOR IMMERSION-COOLED ELECTRONIC DEVICE</p> <p>[54] DISPOSITIF ELECTRONIQUE REFROIDI PAR IMMERSION ET SYSTEME DE SURVEILLANCE DU REFROIDISSEMENT POUR LE DISPOSITIF ELECTRONIQUE REFROIDI PAR IMMERSION</p> <p>[72] CHEHADE, ALI, FR</p> <p>[72] HNAYNO, MOHAMAD, FR</p> <p>[72] KLABA, HENRYK, FR</p> <p>[71] OVH, FR</p> <p>[22] 2023-08-17</p> <p>[41] 2024-02-18</p> <p>[30] EP (22306240.7) 2022-08-18</p> <p>[30] EP (22306276.1) 2022-08-29</p>	<p style="text-align: right;">[21] 3,209,710 [13] A1</p> <p>[51] Int.Cl. F02C 7/22 (2006.01) F02M 35/104 (2006.01)</p> <p>[25] EN</p> <p>[54] FUEL ASSEMBLY FOR A GAS TURBINE ENGINE</p> <p>[54] SYSTEME DE CARBURANT POUR TURBINE A GAZ</p> <p>[72] FRANCIS, ROGER N. A., CA</p> <p>[72] SIAN, JEEVAN, CA</p> <p>[72] BOND, BRYAN, CA</p> <p>[72] FRYER, MICHAEL, CA</p> <p>[71] PRATT & WHITNEY CANADA CORP., CA</p> <p>[22] 2023-08-18</p> <p>[41] 2024-02-19</p> <p>[30] US (17/891,756) 2022-08-19</p>

Canadian Applications Open to Public Inspection
February 18, 2024 to February 24, 2024

[21] **3,209,711**
 [13] A1

[25] EN
[54] INTERNAL COMBUSTION ENGINE AND LUBRICATION SYSTEM THEREOF
[54] MOTEUR A COMBUSTION INTERNE ET CIRCUIT DE LUBRIFICATION CONNEXE
[72] SPATZENEGGER, ROLAND, AT
[72] KRONEGGER, MARKUS, AT
[72] ANDOR, TOMAS, AT
[72] HOCHMAYR, MARKUS, AT
[72] WURM, JOHANNES, AT
[72] ZAUNER, ALEX, AT
[72] RAGOGNA, ROBERT, AT
[72] LINDAUER, CHRISTOPH, AT
[72] KRITZINGER, THOMAS, AT
[72] ZUNGHAMMER, MICHAEL, AT
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-08-18
[41] 2024-02-19
[30] US (63/399,328) 2022-08-19

[21] **3,209,726**
 [13] A1

[51] **Int.Cl. B61K 9/08 (2006.01)**
[25] EN
[54] VISION-BASED RAILWAY COMPONENT CHARACTERIZATION SYSTEM AND METHOD
[54] SYSTEME ET METHODE DE CARACTERISATION VISUELLE D'UN ELEMENT DE CHEMIN DE FER
[72] BRENNY, CHRISTOPHER D., US
[72] HON, JEFF S., US
[72] OSMAK, MARK S., US
[72] PEKALA, PAWEL J., US
[72] SOJKA, DANIEL M., US
[72] GHERKE, KYLE, US
[71] RACINE RAILROAD PRODUCTS, INC., US
[22] 2023-08-21
[41] 2024-02-22
[30] US (63/399,835) 2022-08-22

[21] **3,209,729**
 [13] A1

[51] **Int.Cl. H01L 23/44 (2006.01) H01L 23/40 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] DETECTION AND DEFLECTION OF FLUID LEAKAGES IN IMMERSION COOLING SYSTEMS
[54] DETECTION ET DERIVATION DES FUITES DE LIQUIDE DANS LES SYSTEMES DE REFROIDISSEMENT PAR IMMERSION
[72] HNAYNO, MOHAMAD, FR
[72] CHEHADE, ALI, FR
[72] KLABA, HENRYK, FR
[71] OVH, FR
[22] 2023-08-17
[41] 2024-02-18
[30] EP (22306276.1) 2022-08-29
[30] EP (22306240.7) 2022-08-18

[21] **3,209,733**
 [13] A1

[51] **Int.Cl. G06Q 50/02 (2012.01) G06Q 99/00 (2006.01)**
[25] EN
[54] METHOD AND SYSTEM FOR AGRICULTURAL GREENHOUSE GAS ESTIMATION
[54] METHODE ET SYSTEME D~ESTIMATION DES GAZ A EFFET DE SERRE AGRICOLES
[72] COGAN, COGIE, CA
[72] TIAN, YIXIN, CA
[72] CHEN, VICKI, CA
[72] MACDONALD, MYLES, CA
[72] WATT, GRAHAM ALEXANDER, CA
[72] BERRILL, ARTHUR RICHARD, CA
[72] PAXTON, MELISSA LYNNE, CA
[72] FOISY, DANIEL GILLES, CA
[72] LAW, PO LUN, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-08-21
[41] 2024-02-24
[30] US (63/400,690) 2022-08-24

[21] **3,209,755**
 [13] A1

[25] EN
[54] INTERNAL COMBUSTION ENGINE AND LUBRICATION SYSTEM THEREOF
[54] MOTEUR A COMBUSTION INTERNE ET CIRCUIT DE LUBRIFICATION CONNEXE
[72] KINDL, ROBERT, AT
[72] SPATZENEGGER, ROLAND, AT
[72] ANDOR, TOMAS, AT
[72] HOCHMAYR, MARKUS, AT
[72] EDER, THOMAS, AT
[72] ARAPOVIC, BRANKO, AT
[72] KRITZINGER, THOMAS, AT
[72] ZUNGHAMMER, MICHAEL, AT
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-08-18
[41] 2024-02-19
[30] US (63/399,328) 2022-08-19

[21] **3,209,759**
 [13] A1

[51] **Int.Cl. B60H 1/26 (2006.01) B62D 33/06 (2006.01)**
[25] EN
[54] OPERATOR CAB AND WINDOW FOR SAME
[54] CABINE D'OPERATEUR ET FENETRE CONNEXE
[72] COLWELL, JOSEPH, US
[72] VOLLE, MICHAEL, US
[71] JOY GLOBAL SURFACE MINING INC, US
[22] 2023-08-18
[41] 2024-02-19
[30] US (63/399536) 2022-08-19

[21] **3,209,763**
 [13] A1

[51] **Int.Cl. B24D 15/08 (2006.01) B24B 33/08 (2006.01)**
[25] EN
[54] COUNTERTOP KNIFE SHARPENER
[54] AFFUTEUR POUR COUTEAUX DE COMPTOIR
[72] CHALFANT, LOUIS, US
[71] SMITH'S CONSUMER PRODUCTS, INC., US
[22] 2023-08-17
[41] 2024-02-18
[30] US (17/890,689) 2022-08-18

Demandes canadiennes mises à la disponibilité du public
18 février 2024 au 24 février 2024

<p style="text-align: right;">[21] 3,209,788 [13] A1</p> <p>[25] EN [54] METAL DETECTING DEVICE AND METAL DETECTING METHOD [54] DISPOSITIF ET METHODE DE DETECTION DE METAL [72] MAKINO, YOSHIYASU, JP [72] YAMADA, TATSUYA, JP [72] KAGA, HIDEAKI, JP [71] SINTOKOGIO, LTD., JP [22] 2023-08-21 [41] 2024-02-23 [30] JP (2022-132570) 2022-08-23</p>	<p style="text-align: right;">[21] 3,209,834 [13] A1</p> <p>[51] Int.Cl. C23C 24/04 (2006.01) C23C 4/11 (2016.01) C23C 4/134 (2016.01) C23C 4/06 (2016.01) [25] EN [54] GAS TURBINE ENGINE COMPONENT WITH COPPER OXIDE COATING [54] COMPOSANT DE TURBINE A GAZ REVETU D'UN ENDUIT D'OXYDE DE CUIVRE [72] LAROSE, JOEL, CA [72] ROY, AMIT, CA [72] SHARIFI, NAVID, CA [72] STOYANOV, PANTCHO, CA [72] MOREAU, CHRISTIAN, CA [72] CHROMIK, RICHARD, CA [72] MAKOWIEC, MARY, CA [71] PRATT & WHITNEY CANADA CORP., CA [71] CONCORDIA UNIVERSITY, CA [71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA [22] 2023-08-21 [41] 2024-02-22 [30] US (17/892,757) 2022-08-22</p>	<p style="text-align: right;">[21] 3,209,865 [13] A1</p> <p>[51] Int.Cl. E21B 19/14 (2006.01) E21B 15/00 (2006.01) G08B 21/02 (2006.01) [25] EN [54] CATWALK SENSING DEVICE [54] DISPOSITIF DE DETECTION DE RAMPE [72] ARDNEAUX, JUSTIN, US [72] WEBER, MATTHEW, US [72] LUTGRING, KEITH, US [72] BOUDREAUX, TANNER, US [72] THIBODEAUX, ROBERT L., US [72] LATOUR, BENJAMIN, US [72] ANGELLE, JEREMY R., US [71] FRANK'S INTERNATIONAL, LLC, US [22] 2023-08-22 [41] 2024-02-22 [30] US (18/453.048) 2023-08-21 [30] US (63/373.116) 2022-08-22</p>
<p style="text-align: right;">[21] 3,209,800 [13] A1</p> <p>[51] Int.Cl. C12P 7/10 (2006.01) C12P 7/06 (2006.01) C12P 7/14 (2006.01) C12P 19/02 (2006.01) C13K 1/02 (2006.01) D21C 3/06 (2006.01)</p> <p>[25] EN [54] IMPROVEMENTS IN BIOMASS FERMENTATION INTO ETHANOL [54] AMELIORATIONS DE LA FERMENTATION DE BIOMASSE EN ETHANOL [72] OSTASZEWSKI, ALEXANDRA, CA [72] GREER, JULIE, CA [72] ENRIQUEZ, ALEJANDRA, CA [72] WYNNYK, KYLE G., CA [72] CORBETT, ANDREW, CA [72] WEISSENBERGER, MARKUS, CA [71] SIXRING INC., CA [22] 2023-08-18 [41] 2024-02-19 [30] CA (3,170,772) 2022-08-19</p>	<p style="text-align: right;">[21] 3,209,862 [13] A1</p> <p>[51] Int.Cl. B63B 49/00 (2006.01) B63B 79/00 (2020.01)</p> <p>[25] EN [54] ECOLOGICAL AIDED MARINE NAVIGATION [54] NAVIGATION MARITIME ASSISTEE PAR DONNEES ECOLOGIQUES [72] GATTA, GABRIELE, IT [72] SEENNA, ROBERTO, IT [72] TOMMASI, ORESTE, IT [71] NAVICO, INC., US [22] 2023-08-22 [41] 2024-02-23 [30] EP (22425038.1) 2022-08-23 [30] US (18/068,079) 2022-12-19</p>	<p style="text-align: right;">[21] 3,209,868 [13] A1</p> <p>[51] Int.Cl. F02C 9/00 (2006.01) F02D 28/00 (2006.01) G05B 15/00 (2006.01)</p> <p>[25] EN [54] SYSTEMS AND METHODS FOR DETERMINING GAS TURBINE ENGINE OPERATING MARGINS [54] SYSTEMES ET METHODES POUR DETERMINER LES MARGES DE FONCTIONNEMENT D'UNE TURBINE A GAZ [72] DROLET, MARTIN, CA [71] PRATT & WHITNEY CANADA CORP., CA [22] 2023-08-21 [41] 2024-02-22 [30] US (17/892,776) 2022-08-22</p>
<p style="text-align: right;">[21] 3,209,874 [13] A1</p> <p>[51] Int.Cl. F02C 7/00 (2006.01) B64D 45/00 (2006.01) F02C 9/00 (2006.01)</p> <p>[25] EN [54] SYSTEMS AND METHODS FOR DETERMINING GAS TURBINE ENGINE OPERATING MARGINS [54] SYSTEMES ET METHODES POUR DETERMINER LES MARGES DE FONCTIONNEMENT D'UNE TURBINE A GAZ [72] DROLET, MARTIN, CA [71] PRATT & WHITNEY CANADA CORP., CA [22] 2023-08-21 [41] 2024-02-22 [30] US (17/892,799) 2022-08-22</p>		

Canadian Applications Open to Public Inspection
February 18, 2024 to February 24, 2024

[21] 3,209,893 [13] A1
[51] Int.Cl. C01D 3/26 (2006.01) B01J 2/30 (2006.01) C01D 3/04 (2006.01)
[25] EN
[54] METHOD FOR REDUCING STICKING, CRUSTING AND CLUMPING OF SALT STORED IN SALT PILES
[54] METHODE POUR REDUIRE L~AGGLUTINATION, L~ENCROUTEMENT ET LA CONGLOMERATION DU SEL STOCKE DANS DES PILES DE SEL
[72] BLOOMER, TODD, US
[71] NATURAL ALTERNATIVES, LLC, US
[22] 2023-08-22
[41] 2024-02-24
[30] US (63/400,549) 2022-08-24

[21] 3,209,894 [13] A1
[51] Int.Cl. G06F 30/13 (2020.01) G06T 7/32 (2017.01) G06F 30/12 (2020.01) G06T 17/00 (2006.01) G06N 20/00 (2019.01)
[25] EN
[54] SYSTEMS AND METHODS FOR DISPLAYING A TWO-DIMENSIONAL CONTENT IN A THREE-DIMENSIONAL SPACE
[54] SYSTEMES ET METHODES POUR AFFICHER UN CONTENU BIDIMENSIONNEL DANS UN ESPACE TRIDIMENSIONNEL
[72] LEE, JAE MIN, US
[72] WEZOREK, JOSEPH W., US
[72] MOORTHY, VINAY, US
[71] BLUEBEAM, INC., US
[22] 2023-08-21
[41] 2024-02-22
[30] US (17/892,937) 2022-08-22

[21] 3,209,904 [13] A1
[51] Int.Cl. E04H 15/58 (2006.01) E04D 13/035 (2006.01) E04F 10/10 (2006.01)
[25] EN
[54] LOUVERED CANOPY
[54] AUVENT A PERSIENNES
[72] XU, GAOYANG, CN
[72] YIN, RUZHONG, CN
[72] WANG, YIYAO, CN
[71] ZHEJIANG DOSOLY MECHANICAL AND ELECTRICAL TECHNOLOGY CO., LTD., CN
[22] 2023-08-22
[41] 2024-02-24
[30] CN (20222269677.8) 2022-08-24

[21] 3,209,906 [13] A1
[25] EN
[54] METHOD AND SYSTEM FOR TESTING USING LOW RANGE ELECTROMAGNETIC WAVES
[54] METHODE ET SYSTEME DE MISE A L~ESSAI A L~AIDE D~ONDES ELECTROMAGNETIQUES DE COURTE PORTEE
[72] SHAKER, GEORGE, CA
[72] OMER, ALA ELDIN, CA
[71] SHAKER, GEORGE, CA
[71] OMER, ALA ELDIN, CA
[22] 2023-08-22
[41] 2024-02-22
[30] US (63/399,760) 2022-08-22

[21] 3,209,909 [13] A1
[51] Int.Cl. G06Q 40/04 (2012.01) G06N 20/00 (2019.01)
[25] EN
[54] METHODS AND SYSTEMS FOR GENERATING DATA ON CRYPTOCURRENCIES
[54] METHODES ET SYSTEMES DE CREATION DE DONNEES SUR LES CRYPTOMONNAIES
[72] HASAN, ABBAS, CA
[72] PEPLINSKI, JACK, CA
[72] ELEUTERIO SOARES YOKOTA, LUCIANA, CA
[72] PADHIAR, SAKSHI, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-08-22
[41] 2024-02-23
[30] US (63/400,268) 2022-08-23

[21] 3,209,916 [13] A1
[25] EN
[54] AUDIO AND VISUAL NOTIFICATION APPLIANCE
[54] APPAREIL DE NOTIFICATION SONORE ET VISUELLE
[72] PAWAR, PRATIK N., IN
[72] DESAI, BHAVESH, US
[72] CASE, SCOTT EDWARD, US
[72] YABRER, PUSHPAK, IN
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2023-08-21
[41] 2024-02-23
[30] IN (202211047881) 2022-08-23

[21] 3,209,977 [13] A1
[51] Int.Cl. G06Q 40/06 (2012.01) G06Q 40/02 (2023.01) G06N 20/00 (2019.01)
[25] EN
[54] COMPUTER SYSTEMS, METHODS, AND NON-TRANSITORY COMPUTER-READABLE STORAGE DEVICES FOR GENERATING PROACTIVE ADVISOR RECOMMENDATION USING ARTIFICIAL INTELLIGENCE
[54] SYSTEMES INFORMATIQUES, METHODES ET DISPOSITIFS DE STOCKAGE NON TRANSITOIRES LISIBLES PAR ORDINATEUR POUR GENERER UNE RECOMMANDATION PROACTIVE DE CONSEILLER A L~AIDE DE L~INTELLIGENCE ARTIFICIELLE
[72] JAISWAL, VISHAL RAKESH, CA
[72] REGMI, SHASHWAT, CA
[72] HALESH, SUJINA BHADRAVATHI, CA
[72] FERNANDES, JASON, CA
[72] SHERMAN, MATTHEW, CA
[72] SHAH, MANISH, CA
[72] LOGANATHAN, VENKATESH, CA
[72] KAGEDAN, AHARON, CA
[72] VELICOVER, LIOR, CA
[72] WILDBERGER, MARTIN, CA
[72] PALMER, MICHAEL, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-08-23
[41] 2024-02-24
[30] US (63/400,647) 2022-08-24

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<p>[21] 3,209,980 [13] A1</p> <p>[51] Int.Cl. G06Q 10/1053 (2023.01) G06F 40/20 (2020.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR FACILITATING PROACTIVE RECRUITMENT</p> <p>[54] SYSTEMES ET METHODES POUR FACILITER LE RECRUTEMENT PROACTIF</p> <p>[72] RIABOVA, VALERIE, CA</p> <p>[72] GEMBALI, KISHOR, CA</p> <p>[72] LITTLE, DANA, CA</p> <p>[72] SUSEVSKI, ANTHONY, CA</p> <p>[72] CHOI, ERIC, CA</p> <p>[72] HUNG, KAITLYN, CA</p> <p>[71] ROYAL BANK OF CANADA, CA</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-24</p> <p>[30] US (63/400,605) 2022-08-24</p>

<p>[21] 3,209,981 [13] A1</p> <p>[51] Int.Cl. G06Q 50/06 (2012.01) G06Q 40/06 (2012.01) G06Q 99/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS TO FACILITATE INCREASED BUILDING OF CARBON REMOVAL AND CARBON CAPTURE INFRASTRUCTURES</p> <p>[54] SYSTEMES ET METHODES POUR FACILITER L'ACCROISSEMENT DE LA CONSTRUCTION D'INFRASTRUCTURES D'ELIMINATION ET DE CAPTURE DE CARBONE</p> <p>[72] NOVEK, ETHAN JOSEPH, US</p> <p>[71] PARSEHILL RENEWABLES LLC, US</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-23</p> <p>[30] US (18/217,204) 2023-06-30</p> <p>[30] US (18/236,738) 2023-08-22</p> <p>[30] US (63/400,260) 2022-08-23</p> <p>[30] US (63/446,558) 2023-02-17</p>

<p>[21] 3,209,995 [13] A1</p> <p>[51] Int.Cl. F04B 49/22 (2006.01) F01D 15/08 (2006.01)</p> <p>[25] EN</p> <p>[54] PROVIDING BACKPRESSURE FOR ELECTRIC COMPRESSOR</p> <p>[54] FOURNITURE DE CONTRE- PRESSION POUR UN COMPRESSEUR ELECTRIQUE</p> <p>[72] CONKLIN, RICHARD J., US</p> <p>[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US</p> <p>[22] 2023-08-22</p> <p>[41] 2024-02-22</p> <p>[30] US (17/821304) 2022-08-22</p>
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<p>[21] 3,210,004 [13] A1</p> <p>[51] Int.Cl. A63B 21/078 (2006.01) A63B 23/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ADJUSTABLE BENCH</p> <p>[54] BANC AJUSTABLE</p> <p>[72] HIBBERTS, JOHN, US</p> <p>[72] PIZER, SAMUEL M., US</p> <p>[72] MCGROTTY, RYAN JAMES, US</p> <p>[71] REP FITNESS, LLC, US</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-23</p> <p>[30] US (63/373,235) 2022-08-23</p>

<p>[21] 3,209,996 [13] A1</p> <p>[51] Int.Cl. B26D 3/08 (2006.01) B26D 1/14 (2006.01) B65H 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE FOR MANUFACTURING TAPE WITH TEAR CUTS</p> <p>[54] DISPOSITIF DE FABRICATION DE RUBAN COMPRENANT DES ENTAILLES DE RUPTURE</p> <p>[72] AMBARTSOUMIAN, GOURGEN, CA</p> <p>[71] AMBARTSOUMIAN, GOURGEN, CA</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-23</p> <p>[30] US (63/400,063) 2022-08-23</p>

<p>[21] 3,209,998 [13] A1</p> <p>[25] EN</p> <p>[54] MAGNITUDE PREDICTION WITH CANDIDATE PRUNING</p> <p>[54] PREDICTION DE MAGNITUDE PAR ELAGAGE DE CANDIDATS</p> <p>[72] RUFITSKIY, VASILY ALEXEEVICH, US</p> <p>[72] FILIPPOV, ALEXEY KONSTANTINOVICH, US</p> <p>[72] DINAN, ESMAEL HEJAZI, US</p> <p>[71] Comcast Cable Communications, LLC, US</p> <p>[22] 2023-08-22</p> <p>[41] 2024-02-22</p> <p>[30] US (63/399,875) 2022-08-22</p>
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<p>[21] 3,210,012 [13] A1</p> <p>[51] Int.Cl. A63B 21/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ADJUSTABLE BENCH</p> <p>[54] BANC AJUSTABLE</p> <p>[72] ANDREASSEN, SEAN MATTHEW, US</p> <p>[72] PIZER, SAMUEL M., US</p> <p>[72] MCGROTTY, RYAN JAMES, US</p> <p>[72] LAZAR, JASON, US</p> <p>[71] REP FITNESS, LLC, US</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-23</p> <p>[30] US (63/400285) 2022-08-23</p> <p>[30] US (63/448808) 2023-02-28</p>

<p>[21] 3,210,013 [13] A1</p> <p>[51] Int.Cl. B08B 15/04 (2006.01) A62D 3/00 (2007.01) B08B 5/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS, ASSEMBLIES, AND METHODS FOR PYROPHORIC MATERIAL EXTRACTION</p> <p>[54] SYSTEMES, ASSEMBLAGES ET METHODES D'EXTRACTION DE MATERIE PYROPHORIQUE</p> <p>[72] THOMAS, RANDALL EARL, US</p> <p>[72] BOGGS, REGGIE, US</p> <p>[72] THOMAS, RYAN, US</p> <p>[71] INDUSTRIAL VACUUM TRANSFER SERVICES USA, LLC, US</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-23</p> <p>[30] US (63/375,500) 2022-09-13</p> <p>[30] US (18/214,887) 2023-06-27</p> <p>[30] US (63/373,289) 2022-08-23</p>

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 - [25] EN
 - [54] IMPROVED COUPLING FOR DOUBLE-WALLED HOSES
 - [54] RACCORD AMELIORE POUR BOYAUX A DOUBLE PAROI
 - [72] CEBECI, OKAN, XX
 - [72] APTIOGULLARI, ERHAN, XX
 - [72] CAN, RECEP, XX
 - [72] MUCO, RECEP, XX
 - [72] CALISKAN, OZGUR, XX
 - [71] DANFOSS POWER SOLUTIONS II TECHNOLOGY A/S, DK
 - [22] 2023-08-16
 - [41] 2024-02-24
 - [30] EP (22191988.9) 2022-08-24
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[21] **3,210,022**
 [13] A1

- [51] Int.Cl. H02G 3/14 (2006.01) B65D 45/18 (2006.01)
- [25] EN
- [54] UTILITY BOX COVER
- [54] COUVERCLE DE BOITE A USAGES MULTIPLES
- [72] THE, AGUS SURYANA, US
- [72] THOMAS, JASON PETER, US
- [71] SOUTHWIRE COMPANY, LLC, US
- [22] 2023-08-24
- [41] 2024-02-24
- [30] US (63/373.340) 2022-08-24

[21] **3,210,029**
 [13] A1

- [51] Int.Cl. G06Q 30/0601 (2023.01) G06N 20/00 (2019.01)
 - [25] EN
 - [54] CONTENT RECOMMENDATION USING ARTIFICIAL INTELLIGENCE
 - [54] RECOMMANDATION DE CONTENU AU MOYEN DE L-INTELLIGENCE ARTIFICIELLE
 - [72] CHEN, KEXIN, CA
 - [72] JOHNSTON, MADELYN, CA
 - [72] KANG, DONGWOO, CA
 - [72] NGUYEN, BRIAN, CA
 - [72] BOULAKIA, HANNAH, CA
 - [72] BRANDIMARTE, ALEX, CA
 - [72] IAKOVENKO, VIKTOR, CA
 - [72] BORHANI, BEHRAD, CA
 - [72] SPEAR, SARAH, CA
 - [71] ROYAL BANK OF CANADA, CA
 - [22] 2023-08-23
 - [41] 2024-02-24
 - [30] US (63/400,657) 2022-08-24
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[21] **3,210,032**
 [13] A1

- [51] Int.Cl. G16H 80/00 (2018.01) G16H 50/20 (2018.01) G16H 70/00 (2018.01)
- [25] EN
- [54] INCREASED ACCURACY OF RELAYED MEDICAL INFORMATION
- [54] AMELIORATION DE LA PRECISION DES RENSEIGNEMENTS MEDICAUX TRANSMIS
- [72] RAHEJA, CHARU G., US
- [72] RAHEJA, RAVI K., US
- [71] CHARU SOFTWARE SOLUTIONS, LLC, US
- [22] 2023-08-24
- [41] 2024-02-24
- [30] US (63/373,419) 2022-08-24

[21] **3,210,034**
 [13] A1

- [25] EN
 - [54] MEASUREMENT DEVICE FOR A VIBRATION DEVICE OF A CONCRETE-BLOCK PRODUCTION PLANT
 - [54] DISPOSITIF DE MESURE POUR UN VIBRATEUR DE COFFRAGE D-UNE INSTALLATION DE FABRICATION DE BLOCS DE BETON
 - [72] HAHS, RALF, DE
 - [72] BERGMANN, SEBASTIAN, DE
 - [71] HESS GROUP GMBH, DE
 - [22] 2023-08-16
 - [41] 2024-02-23
 - [30] DE (10 2022 121 337.4) 2022-08-23
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[21] **3,210,041**
 [13] A1

- [51] Int.Cl. G06Q 10/0631 (2023.01) G06N 20/00 (2019.01) G06Q 10/087 (2023.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR A PROCUREMENT PROCESS
- [54] SYSTEMES ET METHODES POUR UN PROCEDE D-APPROVISIONNEMENT
- [72] MEIKLE, NATASHA, CA
- [72] SERRAO, MAIZIEL, CA
- [72] SHARMA, AKRASH, CA
- [72] TUSTANIC, MIA, CA
- [72] COURTNEY, MARSHA, CA
- [72] AMMAR, MOHAMMAD, CA
- [71] ROYAL BANK OF CANADA, CA
- [22] 2023-08-23
- [41] 2024-02-24
- [30] US (63/400,630) 2022-08-24

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<p>[21] 3,210,048 [13] A1</p> <p>[51] Int.Cl. G06Q 30/01 (2023.01) G06Q 40/02 (2023.01) G06Q 50/10 (2012.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR FACILITATING CLIENT AUTHENTICATION</p> <p>[54] SISTEMES ET METHODES POUR FACILITER L'AUTHENTIFICATION DE CLIENT</p> <p>[72] POONAWALA, SHABBIR, CA</p> <p>[72] CHINNARI, VENKATI BRAHMAM, CA</p> <p>[72] ENKOOM, ISSAC, CA</p> <p>[72] MULTANI, EKJOT, CA</p> <p>[72] MATHUR, ANISHA, CA</p> <p>[72] WANG, SHU, CA</p> <p>[72] CHENG, ADAM, CA</p> <p>[71] ROYAL BANK OF CANADA, CA</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-24</p> <p>[30] US (63/400,537) 2022-08-24</p>	<p>[21] 3,210,080 [13] A1</p> <p>[51] Int.Cl. G06F 11/30 (2006.01) G06N 20/00 (2019.01) G06F 11/00 (2006.01) G06Q 40/00 (2023.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR PREDICTING DATA QUALITY METRICS</p> <p>[54] METHODES ET SYSTEMES POUR PREDIRE DES MESURES DE LA QUALITE DES DONNEES</p> <p>[72] GROVER, SHREY, CA</p> <p>[72] NIJJAR, CHANVIR SINGH, CA</p> <p>[72] SHARMA, ARJUN, CA</p> <p>[72] CHUNG, REBECCA, CA</p> <p>[72] BHARATHULWAR, SHRAVAN, CA</p> <p>[72] MUTHU VEERAMANI, VEERA RAGHAVAN, CA</p> <p>[72] BENSON, KEVIN E. C., CA</p> <p>[71] ROYAL BANK OF CANADA, CA</p> <p>[22] 2023-08-24</p> <p>[41] 2024-02-24</p> <p>[30] US (63/400,481) 2022-08-24</p>	<p>[21] 3,210,123 [13] A1</p> <p>[51] Int.Cl. E04G 21/32 (2006.01) E04G 3/26 (2006.01) E04G 5/14 (2006.01)</p> <p>[25] EN</p> <p>[54] FALL PROTECTION FOR BUILDINGS</p> <p>[54] MOYEN DE PROTECTION CONTRE LES CHUTES A INSTALLER SUR LES BATIMENTS</p> <p>[72] POGONKA, DENNIS, DE</p> <p>[72] YAVUZYILMAZ, SAMED, DE</p> <p>[72] RANZMEYER, JOACHIM HERI, DE</p> <p>[71] ENPAL GMBH, DE</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-24</p> <p>[30] DE (10 2022 121 400.1) 2022-08-24</p>
<p>[21] 3,210,068 [13] A1</p> <p>[51] Int.Cl. B64D 27/33 (2024.01) B64D 31/18 (2024.01) B64D 35/022 (2024.01)</p> <p>[25] EN</p> <p>[54] MULTI-DRIVE UNIT PROPULSION SYSTEM FOR AN AIRCRAFT</p> <p>[54] SYSTEME DE PROPULSION A MECANISMES D'ENTRAINEMENT MULTIPLES POUR UN AERONEF</p> <p>[72] BERTRAND, PIERRE, CA</p> <p>[72] THOMASSIN, JEAN, CA</p> <p>[71] PRATT & WHITNEY CANADA CORP., CA</p> <p>[22] 2023-08-22</p> <p>[41] 2024-02-22</p> <p>[30] US (17/892,761) 2022-08-22</p>	<p>[21] 3,210,093 [13] A1</p> <p>[51] Int.Cl. H04L 43/026 (2022.01) H04L 61/10 (2022.01) H04L 47/2441 (2022.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR CLASSIFYING TRAFFIC FLOWS USING LANGUAGE PROCESSING</p> <p>[54] SYSTEME ET METHODE POUR CATEGORISER LES ECOULEMENTS DU TRAFIC PAR LE TRAITEMENT DU LANGAGE</p> <p>[72] KURUVILLA, OUSEF, IN</p> <p>[71] SANDVINE CORPORATION, CA</p> <p>[22] 2023-08-24</p> <p>[41] 2024-02-24</p> <p>[30] IN (202211048290) 2022-08-24</p> <p>[30] EP (23192832.6) 2023-08-23</p>	<p>[21] 3,210,228 [13] A1</p> <p>[51] Int.Cl. E21B 43/38 (2006.01) B01D 35/02 (2006.01) E21B 43/12 (2006.01)</p> <p>[25] EN</p> <p>[54] DOWNHOLE APPARATUS</p> <p>[54] APPAREIL DE FOND DE TROU</p> <p>[72] SAPONJA, JEFFREY CHARLES, CA</p> <p>[72] HARI, ROBBIE SINGH, CA</p> <p>[72] COYES, CORBIN, CA</p> <p>[71] OILIFY NEW-TECH SOLUTIONS INC., CA</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-23</p> <p>[30] US (63/400,227) 2022-08-23</p>
		<p>[21] 3,210,235 [13] A1</p> <p>[51] Int.Cl. G06Q 40/04 (2012.01) G06N 20/00 (2019.01) G06F 3/14 (2006.01)</p> <p>[25] EN</p> <p>[54] DATA MAPPING METHOD AND SYSTEM</p> <p>[54] METHODE ET SYSTEME DE MAPPAGE DE donnees</p> <p>[72] KOSHETOVA, FAINA, CA</p> <p>[72] LEE, CLAIRE, CA</p> <p>[72] LIM, ETHAN, CA</p> <p>[72] WADHWANI, VIVEK, CA</p> <p>[71] ROYAL BANK OF CANADA, CA</p> <p>[22] 2023-08-23</p> <p>[41] 2024-02-24</p> <p>[30] US (63/400,683) 2022-08-24</p>

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[21] **3,210,236**

[13] A1

- [51] Int.Cl. B65H 75/40 (2006.01) B60P
7/06 (2006.01) B65D 63/00 (2006.01)
B65D 85/671 (2006.01)
- [25] EN
- [54] STRAP CONTAINER
- [54] CONTENANT A COURROIE
- [72] MONTGOMERY, JOHN, US
- [71] MB COMPANIES, LLC, US
- [22] 2023-08-23
- [41] 2024-02-23
- [30] US (63/400,272) 2022-08-23
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[21] **3,215,911**

[13] A1

- [51] Int.Cl. H04L 43/08 (2022.01) H04L
43/04 (2022.01) H04L 43/16 (2022.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR
MONITORING NETWORK
SERVICE ACCESSIBILITY BASED
ON NETWORK TRAFFIC DATA
AND SOCIAL MEDIA DATA
- [54] SYSTEME ET METHODE POUR
SURVEILLER L'ACCESSIBILITE
DU SERVICE RESEAU EN
FONCTION DES DONNEES SUR
LE TRAFIC RESEAU ET LES
DONNEES DES MEDIAS SOCIAUX
- [72] KWAK, CHRISTINE, CA
- [72] KHANDROS, MARAT, CA
- [72] OGHBAEE, AMIRREZA, CA
- [72] PROVA, ANIKA, CA
- [72] KANE, ELODIE, CA
- [72] MIGLANI, PARTH, CA
- [72] NAGPAL, SHIVAM, CA
- [71] ROYAL BANK OF CANADA, CA
- [22] 2023-08-14
- [41] 2024-02-24
- [30] US (63/400,524) 2022-08-24
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[21] **3,224,777**

[13] A1

- [25] EN
- [54] A SWAPPABLE BATTERY AND A
BATTERY SWAPPING SYSTEM
FOR EV'S AND OTHER
APPLICATIONS
- [54] BATTERIE ECHANGEABLE ET
SYSTEME D'ECHANGE DE
BATTERIES POUR LES
VEHICULES ELECTRIQUES ET
D'AUTRES APPLICATIONS
- [72] OUHIB, SAID, CA
- [71] OUHIB, SAID, CA
- [22] 2023-12-26
- [41] 2024-02-20

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[21] **3,174,160**
[13] A1

[51] Int.Cl. C09D 11/17 (2014.01) A61M 35/00 (2006.01) A61M 37/00 (2006.01)
B43K 1/01 (2006.01) B43K 5/00 (2006.01) B43K 24/10 (2006.01)
[25] EN
[54] INK APPLICATORS
[54] APPLICATEUR D'ENCRE
[72] UM NLEND, INGRID, CA
[72] HANDLEY, TYLER J., CA
[72] ADAM, MOTAZ, CA
[71] INKBOX INK INC., CA
[85] 2022-09-28
[86] 2022-08-23 (PCT/CA2022/051273)
[87] (3174160)
[30] US (63/236,968) 2021-08-25

[21] **3,183,209**
[13] A1

[51] Int.Cl. E04G 3/34 (2006.01) B66C 23/26 (2006.01) E04G 21/32 (2006.01)
[25] EN
[54] AN EXTENDABLE NEEDLE DAVIT ASSEMBLY
[54] ASSEMBLAGE DE BOSSOIR D'AIGUILLE EXTENSIBLE
[72] VOSS, MURRAY, AU
[72] VOSS, BARRY, AU
[71] SAYFA R&D PTY LTD, AU
[85] 2022-12-16
[86] 2022-08-19 (PCT/AU2022/050925)
[87] (3183209)
[30] AU (AU2021902622) 2021-08-20

[21] **3,203,386**
[13] A1

[51] Int.Cl. E04F 10/00 (2006.01) E04H 15/58 (2006.01)
[25] EN
[54] SYNCHRONOUS ROTATING TELESCOPIC LOUVER ROOF TENT AND SERVO ELECTRIC DRIVE OPENING AND CLOSING TENT
[54] TENTE POSSESSANT UNE COUVERTURE A PERSIENNES TELESCOPIQUE, ROTATIVE, ET SYNCRUNE, ET SERVOCOMMANDE ELECTRIQUE POUR L'OUVERTURE ET LA FERMETURE E TENTE
[72] FAN, SHUNQIN, CN
[72] XIE, JIANQIANG, CN
[71] ZHEJIANG YOTRIO GROUP CO., LTD., CN
[85] 2023-06-23
[86] 2023-04-21 (PCT/CN2023/089794)
[87] (3203386)
[30] CN (202222169914.3) 2022-08-18

[21] **3,209,866**
[13] A1

[51] Int.Cl. A63B 21/062 (2006.01) A63B 23/02 (2006.01)
[25] EN
[54] ADJUSTABLE LOW PULLEY
[54] POULIE BASSE AJUSTABLE
[72] BYUN, HYUN JUNG, KR
[71] NEWTECH WELLNESS CO., LTD., KR
[85] 2023-08-25
[86] 2022-12-06 (PCT/KR2022/019663)
[87] (3209866)
[30] KR (10-2022-0106438) 2022-08-24

[21] **3,223,068**
[13] A1

[51] Int.Cl. B60P 7/04 (2006.01)
[25] EN
[54] SYSTEM FOR ALLOWING ACCESS TO A COVERED CARGO PLATFORM
[54] SYSTEME POUR PERMETTRE L'ACCES A UNE PLATEFORME DE CARGAISON COUVERTE
[72] BOUTIN, KEVEN, CA
[72] MARTIN, KENDRICK, CA
[71] FABRICATION ELCARGO INC., CA
[85] 2023-12-15
[86] 2023-03-13 (PCT/IB2023/052418)
[87] (3223068)

[21] **3,223,372**
[13] A1

[51] Int.Cl. G01B 11/25 (2006.01) G01B 11/245 (2006.01)
[25] EN
[54] METHOD FOR AUTOMATIC EXPOSURE CONTROL OF A 3D SCANNING SYSTEM AND 3D SCANNING SYSTEM USING SAME
[54] METHODE DE CONTROLE D'EXPOSITION AUTOMATIQUE D'UN SYSTEME DE NUMERISATION 3D ET SYSTEME DE NUMERISATION 3D CONNEXE
[72] FRECHET, SIMON, CA
[72] OUELLET, JEAN-NICOLAS, CA
[72] ROCHELLE, FELIX, CA
[71] CREAFORM INC., CA
[85] 2023-12-11
[86] 2023-06-21 (PCT/CA2023/050859)
[87] (3223372)

PCT Applications Entering the National Phase

<p style="text-align: right;">[21] 3,225,239 [13] A1</p> <p>[25] EN [54] BATTERY PACK COOLING SYSTEM CAPABLE OF PREVENTING PROPAGATION OF THERMAL RUNAWAY OF BATTERY PACK AND WORKING METHOD THEREOF [54] [72] WANG, JIN, CN [72] HUANG, CHONGYANG, CN [72] WU, DONG, CN [72] LUO, YINGZHE, CN [72] ZHU, JIAN, CN [71] SHANGHAI CHINAUST AUTOMOTIVE PLASTICS CO., LTD., CN [85] 2024-02-16 [86] 2022-08-05 (PCT/CN2022/110525) [87] (3225239) [30] CN (202210918909.X) 2022-08-02</p>	<p style="text-align: right;">[21] 3,227,979 [13] A1</p> <p>[51] Int.Cl. H01M 50/102 (2021.01) H01M 50/207 (2021.01) H01M 50/249 (2021.01) B60K 1/04 (2019.01) B60L 13/00 (2006.01) B60L 50/60 (2019.01) [25] EN [54] BATTERY PACKS FOR UTILITY VEHICLE ELECTRIC DRIVETRAINS [54] BLOCS-BATTERIES POUR TRANSMISSIONS ELECTRIQUES DE VEHICULE UTILITAIRE [72] COUPAL-SIKES, ERIC M., US [72] TYERMAN, LANDON, US [72] VIRK, SAHIR SINGH, US [72] MCKIBBEN, ETHAN J., US [72] SLOAN, TODD F., US [71] HEXAGON PURUS NORTH AMERICA HOLDINGS INC., US [85] 2024-01-30 [86] 2022-08-19 (PCT/US2022/040912) [87] (WO2023/027960) [30] US (63/260,615) 2021-08-26</p>	<p style="text-align: right;">[21] 3,228,735 [13] A1</p> <p>[51] Int.Cl. B01D 11/02 (2006.01) B65D 1/34 (2006.01) [25] EN [54] BOTANICAL TRAY [54] PLATEAU BOTANIQUE [72] BELL, JOSHUA DAVID, CA [72] DOOLEY, KEVIN ALLAN, CA [72] MORRIS, ELWOOD A., CA [71] BOTANICAL EXTRACTION SOLVENT FREE LTD., CA [85] 2024-02-12 [86] 2023-08-23 (PCT/CA2023/051114) [87] (3228735) [30] US (63/400,666) 2022-08-24</p>
<p style="text-align: right;">[21] 3,226,764 [13] A1</p> <p>[51] Int.Cl. E05B 19/00 (2006.01) B23C 3/35 (2006.01) E05B 27/00 (2006.01) [25] EN [54] A KEY BLANK, A KEY, AND A CYLINDER LOCK AND KEY COMBINATION [54] DECOUPE DE CLE, CLE ET COMBINAISON DE SERRURE A BARILLET ET DE CLE [72] WIDEN, BO, SE [71] WINLOC AG, CH [85] 2024-01-23 [86] 2023-07-28 (PCT/EP2023/071034) [87] (3226764) [30] US (17/892,938) 2022-08-22</p>	<p style="text-align: right;">[21] 3,228,422 [13] A1</p> <p>[51] Int.Cl. C07K 7/06 (2006.01) A61K 38/00 (2006.01) A61P 25/28 (2006.01) C07K 14/47 (2006.01) G01N 33/94 (2006.01) [25] EN [54] NOVEL MODULATORS OF GABABR1A [54] NOUVEAUX MODULATEURS DE GABABR1A [72] DE WIT, JORIS, BE [72] SANTOS, ANA RITA, BE [72] CARVALHO, JOAO, BE [72] GALIBERT, LAURENT, BE [72] VAN MOLLE, INGE, BE [72] REMAUT, HAN, BE [72] CELANIRE, SYLVAIN, BE [71] VIB VZM, BE [71] KATHOLIEKE UNIVERSITEIT LEUVEN, K.U.LEUVEN R&D, BE [71] VRIJE UNIVERSITEIT BRUSSEL, BE [85] 2024-02-06 [86] 2022-08-16 (PCT/EP2022/072835) [87] (WO2023/017190)</p>	<p style="text-align: right;">[21] 3,228,899 [13] A1</p> <p>[51] Int.Cl. E01F 15/08 (2006.01) E01F 15/02 (2006.01) [25] EN [54] ANCHORING SYSTEM FOR A TRAFFIC BARRIER [54] SYSTEME D'ANCRAGE POUR BARRIERE DE CIRCULATION [72] POWELL, BENJAMIN FRASER, CA [72] ALBERSON, DEAN CLINTON, US [72] GHUMAN, MOHAMMAD TALHA, CA [72] YODOCK, III, LEO J., US [71] VANDORF TCB1 INC., CA [85] 2024-02-09 [86] 2022-08-09 (PCT/CA2022/051214) [87] (WO2023/015384) [30] US (63/231,010) 2021-08-09 [30] US (17/883,413) 2022-08-08</p>
<p style="text-align: right;">[21] 3,228,900 [13] A1</p> <p>[51] Int.Cl. G01K 7/16 (2006.01) [25] EN [54] SYSTEM AND METHOD FOR COMBINED TEMPERATURE SENSING AND HEATING [54] SYSTEME ET PROCEDE DE DETECTION DE TEMPERATURE ET DE CHAUFFAGE COMBINES [72] EDELMAN, GODFRIED GYSBRECHT, CA [71] MYANT INC., CA [85] 2024-02-09 [86] 2022-08-09 (PCT/CA2022/051217) [87] (WO2023/015386) [30] US (63/231,405) 2021-08-10</p>		

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[21] 3,228,902
[13] A1

[51] Int.Cl. B01J 19/12 (2006.01) B82Y 30/00 (2011.01) B82Y 40/00 (2011.01) B23K 26/062 (2014.01) B23K 26/082 (2014.01) B23K 26/352 (2014.01) B23K 26/00 (2014.01) C21D 10/00 (2006.01) C22F 3/00 (2006.01) C23C 14/14 (2006.01) C23C 14/16 (2006.01) C23C 14/35 (2006.01) C23C 14/58 (2006.01)

[25] FR

[54] METHOD FOR GENERATING NANOPARTICLES ON THE SURFACE OF A SUBSTRATE AND PART COMPRISING SUCH A SUBSTRATE

[54] PROCEDE DE GENERATION DE NANOParticules EN SURFACE D'UN SUBSTRAT ET PIECE COMPORtant UN TEL SUBSTRAT

[72] LEROY, MARIE-ALIX, FR

[72] PUPIER, CHRISTOPHE GERARD, FR

[72] DASSONNEVILLE, SOLENE, FR

[72] STEYER, PHILIPPE, FR

[72] BORROTO, ALEJANDRO, FR

[72] BRUYERE, STEPHANIE, FR

[72] PIERSON, JEAN-FRANCOIS, FR

[72] PRUDENT, MATHILDE, FR

[72] COLOMBIER, JEAN-PHILIPPE, FR

[72] BOURQUARD, FLORENT, FR

[72] GARRELIE, FLORENCE, FR

[71] UNIVERSITE JEAN MONNET SAINT ETIENNE, FR

[71] UNIVERSITE CLAUDE BERNARD LYON 1, FR

[71] HYDROMECANIQUE ET FROTTEMENT, FR

[71] UNIVERSITE DE LORRAINE, FR

[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES LYON (INSA LYON), FR

[85] 2024-02-13

[86] 2022-09-08 (PCT/FR2022/051694)

[87] (WO2023/037077)

[30] FR (FR2109406) 2021-09-08

[21] 3,228,912
[13] A1

[51] Int.Cl. C07K 14/62 (2006.01) A61K 38/28 (2006.01) A61P 3/10 (2006.01)

[25] EN

[54] ACYLATED INSULIN- CONTAINING PHARMACEUTICAL COMPOSITION

[54] COMPOSITION PHARMACEUTIQUE ACYLEE CONTENANT DE L'INSULINE

[72] GAN, ZHONGRU, CN

[72] CHEN, WEI, CN

[72] ZHANG, YINING, CN

[72] BI, JUANJUAN, CN

[72] ZHANG, MAN, CN

[72] XUE, FANGKAI, CN

[72] WANG, ZAIYU, CN

[72] NIU, JIANGHONG, CN

[71] GAN & LEE PHARMACEUTICALS CO., LTD., CN

[85] 2023-12-22

[86] 2022-06-24 (PCT/CN2022/101204)

[87] (WO2022/268208)

[30] CN (202110709826.5) 2021-06-25

[21] 3,229,066
[13] A1

[51] Int.Cl. E21B 17/042 (2006.01) F16L 15/08 (2006.01) F16L 58/18 (2006.01)

[25] FR

[54] SOLID LUBRICANT FOR ZN-NI COATING ON A THREADED TUBULAR ELEMENT

[54] LUBRIFIANT SOLIDE POUR ZNNI SUR ELEMENT FILETÉ TUBULAIRE

[72] BASKA, PHILIPPE, FR

[72] THOMAS, MARIE, FR

[71] VALLOUREC OIL AND GAS FRANCE, FR

[71] NIPPON STEEL CORPORATION, JP

[85] 2024-02-15

[86] 2022-09-06 (PCT/FR2022/051678)

[87] (WO2023/037069)

[30] FR (FR2109366) 2021-09-07

[21] 3,229,090
[13] A1

[51] Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01) A61B 5/318 (2021.01) A61B 5/024 (2006.01) A61B 5/11 (2006.01)

[25] EN

[54] METHOD AND SYSTEM TO NON-INVASIVELY ASSESS ELEVATED LEFT VENTRICULAR END-DIASTOLIC PRESSURE

[54] PROCEDE ET SYSTEME POUR EVALUER DE MANIERE NON INVASIVE UNE PRESSION DIASTOLIQUE D'EXTREMITE VENTRICULAIRE GAUCHE ELEVEE

[72] BURTON, TIMOTHY WILLIAM FAWCETT, CA

[72] RAMCHANDANI, SHYAMLAL, CA

[72] KHOSOUI, ALI, CA

[72] FATHIEH, FARHAD, CA

[72] FIROUZI, MOHAMMAD, CA

[72] LANGE, EMMANUEL, CA

[72] DOOMRA, ABHINAV, CA

[71] ANALYTICS FOR LIFE INC., CA

[85] 2024-02-15

[86] 2022-08-19 (PCT/IB2022/057812)

[87] (WO2023/026160)

[30] US (63/235,960) 2021-08-23

[30] US (63/235,963) 2021-08-23

[30] US (63/235,966) 2021-08-23

[30] US (63/235,968) 2021-08-23

[30] US (63/235,971) 2021-08-23

[30] US (63/235,974) 2021-08-23

[30] US (63/236,072) 2021-08-23

[30] US (63/236,193) 2021-08-23

PCT Applications Entering the National Phase

[21] 3,229,092

[13] A1

- [51] Int.Cl. A61B 5/00 (2006.01) G16H
50/20 (2018.01) A61B 5/318 (2021.01)
A61B 5/024 (2006.01) A61B 5/11
(2006.01)
 - [25] EN
 - [54] METHODS AND SYSTEMS FOR ENGINEERING CARDIAC WAVEFORM FEATURES FROM BIOPHYSICAL SIGNALS FOR USE IN CHARACTERIZING PHYSIOLOGICAL SYSTEMS
 - [54] METHODES ET SYSTEMES DE MODIFICATION DE CARACTERISTIQUES DE FORMES D'ONDES CARDIAQUES A PARTIR DE SIGNAUX BIOPHYSIQUES DESTINES A ETRE UTILISES DANS LA CARACTERISATION DE SYSTEMES PHYSIOLOGIQUE
 - [72] LANGE, EMMANUEL, CA
 - [72] FATHIEH, FARHAD, CA
 - [71] ANALYTICS FOR LIFE INC., CA
 - [85] 2024-02-15
 - [86] 2022-08-19 (PCT/IB2022/057803)
 - [87] (WO2023/026156)
 - [30] US (63/236,193) 2021-08-23
-

[21] 3,229,097

[13] A1

- [51] Int.Cl. E21C 35/06 (2006.01)
- [25] EN
- [54] PROVIDING CONTROL INFORMATION
- [54] FOURNITURE D'INFORMATIONS DE CONTROLE
- [72] HANSKI, SAMI, FI
- [72] VALIVAARA, JOHANNES, FI
- [72] PESOLA, MIKKO, FI
- [72] VIINKAINEN, MIKKO, FI
- [72] KORVA, TIMO, FI
- [71] SANDVIK MINING AND CONSTRUCTION OY, FI
- [85] 2024-02-15
- [86] 2022-09-07 (PCT/EP2022/074818)
- [87] (WO2023/036802)
- [30] EP (21195601.6) 2021-09-08

[21] 3,229,098

[13] A1

- [51] Int.Cl. A61B 5/00 (2006.01) G16H
50/20 (2018.01) A61B 5/318 (2021.01)
A61B 5/024 (2006.01) A61B 5/11
(2006.01)
 - [25] EN
 - [54] METHODS AND SYSTEMS FOR ENGINEERING POWER SPECTRAL FEATURES FROM BIOPHYSICAL SIGNALS FOR USE IN CHARACTERIZING PHYSIOLOGICAL SYSTEMS
 - [54] PROCEDES ET SYSTEMES DE MODIFICATION DE CARACTERISTIQUES DE SPECTRE DE PUISSANCE A PARTIR DE SIGNAUX BIOPHYSIQUES DESTINES A ETRE UTILISES DANS LA CARACTERISATION DE SYSTEMES PHYSIOLOGIQUE
 - [72] FATHIEH, FARHAD, CA
 - [71] ANALYTICS FOR LIFE INC., CA
 - [85] 2024-02-15
 - [86] 2022-08-19 (PCT/IB2022/057796)
 - [87] (WO2023/026152)
 - [30] US (63/235,963) 2021-08-23
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[21] 3,229,112

[13] A1

- [51] Int.Cl. A61B 5/00 (2006.01) G16H
50/20 (2018.01) A61B 5/318 (2021.01)
A61B 5/024 (2006.01) A61B 5/11
(2006.01)
 - [25] EN
 - [54] METHODS AND SYSTEMS FOR ENGINEERING CONDUCTION DEVIATION FEATURES FROM BIOPHYSICAL SIGNALS FOR USE IN CHARACTERIZING PHYSIOLOGICAL SYSTEMS
 - [54] PROCEDES ET SYSTEMES DE MODIFICATION DE CARACTERISTIQUES DE DEVIATION DE CONDUCTION PAR RAPPORT A DES SIGNAUX BIOPHYSIQUES DESTINES A ETRE UTILISES DANS LA CARACTERISATION DE SYSTEMES PHYSIOLOGIQUE
 - [72] FATHIEH, FARHAD, CA
 - [72] BURTON, TIMOTHY WILLIAM FAWCETT, CA
 - [71] ANALYTICS FOR LIFE INC., CA
 - [85] 2024-02-15
 - [86] 2022-08-19 (PCT/IB2022/057805)
 - [87] (WO2023/026158)
 - [30] US (63/235,974) 2021-08-23
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[21] 3,229,117

[13] A1

- [25] EN
 - [54] METHOD OF TREATING PARKINSON'S DISEASE
 - [54] PROCEDE DE TRAITEMENT DE LA MALADIE DE PARKINSON
 - [72] MIMROD, DORIT, IL
 - [72] BERKOVICH, ELIJAHU, IL
 - [72] IZGELOV, DVORA, IL
 - [71] CLEXIO BIOSCIENCES LTD., IL
 - [85] 2024-02-15
 - [86] 2022-08-19 (PCT/IB2022/057814)
 - [87] (WO2023/021480)
 - [30] US (63/234,801) 2021-08-19
 - [30] US (63/315,183) 2022-03-01
-

[21] 3,229,119

[13] A1

- [51] Int.Cl. F24F 1/0083 (2019.01)
- [25] EN
- [54] HEAT-PUMP AIR CONDITIONER HAVING DEHUMIDIFICATION FUNCTION
- [54] CLIMATISEUR A POMPE A CHALEUR PRESENTANT UNE FONCTION DE DESHUMIDIFICATION
- [72] TONG, FENGXI, CN
- [72] ZHENG, SHUANGMING, CN
- [72] TONG, LINGPENG, CN
- [71] ZHONGSHAN AMITIME ELECTRIC CO.,LTD., CN
- [85] 2024-02-15
- [86] 2022-05-27 (PCT/CN2022/095413)
- [87] (WO2023/020060)
- [30] CN (2021109434561) 2021-08-17

Demandes PCT entrant en phase nationale

<p style="text-align: right;">[21] 3,229,124</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G16C 20/20 (2019.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR STRUCTURAL ELUCIDATION OF SMALL MOLECULE COMPONENTS OF A COMPLEX MIXTURE, AND ASSOCIATED APPARATUS AND COMPUTER PROGRAM PRODUCT</p> <p>[54] PROCEDE D'ELUCIDATION STRUCTURALE DE COMPOSANTS A PETITES MOLECULES D'UN MELANGE COMPLEXE, ET APPAREIL ET PRODUIT PROGRAMME D'ORDINATEUR ASSOCIES</p> <p>[72] DWYER, REX A., US</p> <p>[72] FREINKMAN, ELIZAVETA, US</p> <p>[72] EVANS, ANNE M., US</p> <p>[71] METABOLON, INC., US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-15 (PCT/IB2022/057633)</p> <p>[87] (WO2023/021407)</p> <p>[30] US (63/233,594) 2021-08-16</p>

<p style="text-align: right;">[21] 3,229,126</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E05B 67/22 (2006.01) E05B 67/18 (2006.01)</p> <p>[25] EN</p> <p>[54] PORTABLE ELECTRONIC LOCK</p> <p>[54] SERRURE ELECTRONIQUE MOBILE</p> <p>[72] BURK, MARTIN, DE</p> <p>[72] JOHANNES JERGER, CHRISTIAN, DE</p> <p>[71] ABUS AUGUST BREMICKER SOHNE KG, DE</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-16 (PCT/EP2022/072864)</p> <p>[87] (WO2023/025623)</p> <p>[30] DE (10 2021 122 250.8) 2021-08-27</p>
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<p style="text-align: right;">[21] 3,229,134</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B60D 1/62 (2006.01) B62D 53/12 (2006.01)</p> <p>[25] EN</p> <p>[54] CABLE ROUTING DEVICE</p> <p>[54] DISPOSITIF D'ACHEMINEMENT DE CABLE</p> <p>[72] ALGUERA, JOSE MANUEL, DE</p> <p>[72] SCHLÖTTHAUER, RUDOLF, DE</p> <p>[72] HANSEN, PAUL, DE</p> <p>[71] JOST-WERKE DEUTSCHLAND GMBH, DE</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-14 (PCT/IB2022/057599)</p> <p>[87] (WO2023/021391)</p> <p>[30] DE (10 2021 004 253.0) 2021-08-20</p>
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<p style="text-align: right;">[21] 3,229,138</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12Q 1/6886 (2018.01)</p> <p>[25] EN</p> <p>[54] METHODS OF CANCER PROGNOSIS</p> <p>[54] PROCEDES POUR LE PRONOSTIC DU CANCER</p> <p>[72] WOODCOCK, DAN, GB</p> <p>[72] WEDGE, DAVID, GB</p> <p>[72] COOPER, COLIN, GB</p> <p>[71] CANCER RESEARCH TECHNOLOGY LIMITED, GB</p> <p>[85] 2024-02-15</p> <p>[86] 2022-09-27 (PCT/GB2022/052435)</p> <p>[87] (WO2023/047140)</p> <p>[30] GB (2113759.1) 2021-09-27</p>

<p style="text-align: right;">[21] 3,229,144</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01K 61/60 (2017.01) A01K 61/13 (2017.01) A01K 61/65 (2017.01)</p> <p>[25] EN</p> <p>[54] AQUACULTURE PEN</p> <p>[54] ENCLOS D'AQUACULTURE</p> <p>[72] GRAHAM, STEWART, GB</p> <p>[71] GRAHAM, STEWART, GB</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-16 (PCT/EP2022/072879)</p> <p>[87] (WO2023/021047)</p> <p>[30] GB (2111746.0) 2021-08-16</p> <p>[30] GB (2111748.6) 2021-08-16</p> <p>[30] GB (2111749.4) 2021-08-16</p>
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<p style="text-align: right;">[21] 3,229,145</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. D21H 17/06 (2006.01) C08F 8/28 (2006.01) C08F 220/56 (2006.01) D21H 17/37 (2006.01) D21H 21/18 (2006.01) D21H 21/20 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR ON-SITE GLYOXYLATION OF POLYACRYLAMIDE</p> <p>[54] PROCEDE DE GLYOXYLATION SUR SITE DE POLYACRYLAMIDE</p> <p>[72] KARPPI, ASKO, FI</p> <p>[72] HIETANIEMI, MATTI, FI</p> <p>[72] VANZETTI, GIORGIO, IT</p> <p>[72] KONN, JONAS, FI</p> <p>[72] KEMPAS, TOMI, FI</p> <p>[71] KEMIRA OYJ, FI</p> <p>[85] 2024-02-15</p> <p>[86] 2022-09-21 (PCT/FI2022/050632)</p> <p>[87] (WO2023/047020)</p> <p>[30] FI (20215992) 2021-09-22</p>

<p style="text-align: right;">[21] 3,229,148</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 31/19 (2006.01) A61K 31/353 (2006.01) A61K 31/405 (2006.01) A61K 31/4439 (2006.01)</p> <p>[25] EN</p> <p>[54] DIRECT REPROGRAMMING OF CELLS INTO CARDIAC PURKINJE-LIKE CELLS USING A UNIVERSAL SMALL MOLECULE COCKTAIL</p> <p>[54] REPROGRAMMATION DIRECTE DE CELLULES EN CELLULES CARDIAQUES DE TYPE PURKINJE A L'AIDE D'UN COCKTAIL UNIVERSEL DE PETITES MOLECULES</p> <p>[72] MCCONNELL, BRADLEY K., US</p> <p>[72] SCHWARTZ, ROBERT J., US</p> <p>[72] PRODAN, NICOLE, US</p> <p>[71] UNIVERSITY OF HOUSTON SYSTEM, US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-05 (PCT/US2022/039546)</p> <p>[87] (WO2023/022892)</p> <p>[30] US (63/234,399) 2021-08-18</p>
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PCT Applications Entering the National Phase

<p style="text-align: right;">[21] 3,229,149</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 18/22 (2006.01)</p> <p>[25] EN</p> <p>[54] AN APPARATUS AND METHOD FOR FRACTIONAL ABLATIVE TREATMENT OF TISSUE</p> <p>[54] APPAREIL ET METHODE POUR LE TRAITEMENT PAR ABLATION FRACTIONNÉE D'UN TISSU</p> <p>[72] PAITHANKAR, DILIP, US</p> <p>[72] YAROSLAVSKY, ILYA, US</p> <p>[72] ALTSHULER, GREGORY, US</p> <p>[72] ARKHPOVA, VALERIYA, US</p> <p>[72] TYRTYSHNYY, VALENTIN, US</p> <p>[72] MYASNIKOV, DANIIL, US</p> <p>[72] LARIONOV, IGOR, US</p> <p>[72] GULYASHKO, ALEXANDER, US</p> <p>[72] NOSOV, MIKHAIL, US</p> <p>[71] IPG PHOTONICS CORPORATION, US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-09-02 (PCT/US2022/042478)</p> <p>[87] (WO2023/034579)</p> <p>[30] US (63/240,119) 2021-09-02</p> <p>[30] US (63/243,489) 2021-09-13</p>	<p style="text-align: right;">[21] 3,229,152</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 5/1459 (2006.01)</p> <p>[25] EN</p> <p>[54] ENDOTRACHEAL TUBE AND METHODS OF USE</p> <p>[54] TUBE ENDOTRACHEAL ET PROCEDES D'UTILISATION</p> <p>[72] SARNOWSKI, NICHOLAS, US</p> <p>[71] HACKENSACK MERIDIAN HEALTH, INC., US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-19 (PCT/US2022/040894)</p> <p>[87] (WO2023/023329)</p> <p>[30] US (63/235,256) 2021-08-20</p>	<p style="text-align: right;">[21] 3,229,155</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 38/51 (2006.01)</p> <p>[25] EN</p> <p>[54] THERAPEUTIC ENGINEERED MICROBIAL CELL SYSTEMS AND METHODS FOR TREATING CONDITIONS IN WHICH OXALATE IS DETRIMENTAL</p> <p>[54] SYSTEMES THERAPEUTIQUES DE CELLULES MICROBIENNES MODIFIEES ET METHODES POUR LE TRAITEMENT DE PATHOLOGIES LIEES A L'OXALATE</p> <p>[72] GEISLER, CHRISTOPH, US</p> <p>[71] UNLOCKED LABS INC., US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-09-08 (PCT/US2022/076108)</p> <p>[87] (WO2023/039469)</p> <p>[30] US (63/261,034) 2021-09-09</p>
<p style="text-align: right;">[21] 3,229,151</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B29C 64/118 (2017.01) B33Y 50/02 (2015.01) B29C 64/209 (2017.01) B29C 64/393 (2017.01)</p> <p>[25] FR</p> <p>[54] FUSED FILAMENT ADDITIVE MANUFACTURING INSTALLATION COMPRISING AN EXTRUSION NOZZLE AND A DEVICE FOR MEASURING AND THERMALLY CONTROLLING THE METHOD</p> <p>[54] INSTALLATION DE FABRICATION ADDITIVE PAR DEPOT DE FIL FONDU COMPORANT UNE BUSE D'EXTRUSION ET UN DISPOSITIF DE MESURE ET DE CONTROLE THERMIQUE DU PROCEDE</p> <p>[72] ROUA, CHRISTOPHE, FR</p> <p>[71] COGIT COMPOSITES, FR</p> <p>[85] 2024-02-15</p> <p>[86] 2022-07-25 (PCT/FR2022/051490)</p> <p>[87] (WO2023/017218)</p> <p>[30] FR (FR2108597) 2021-08-09</p>	<p style="text-align: right;">[21] 3,229,153</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A45B 9/00 (2006.01) A45B 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] WALKING DEVICE WITH PICK UP MECHANISM</p> <p>[54] DISPOSITIF DE MARCHE DOTE D'UN MECANISME DE RAMASSAGE</p> <p>[72] SCHROEDER, GARY L., US</p> <p>[72] SIVO, FRANK, US</p> <p>[72] SU, WANG, US</p> <p>[71] SCHROEDER, GARY L., US</p> <p>[71] SIVO, FRANK, US</p> <p>[71] SU, WANG, US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-11 (PCT/US2022/074787)</p> <p>[87] (WO2023/023462)</p> <p>[30] US (17/445,091) 2021-08-16</p>	<p style="text-align: right;">[21] 3,229,156</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] PFAS DESTRUCTION USING PLASMA AT THE AIR-WATER INTERFACE CREATED BY SMALL GAS BUBBLES</p> <p>[54] DESTRUCTION DE SUBSTANCES PERFLUOROALKYLEES AU MOYEN D'UN PLASMA A INTERFACE AIR-EAU CREEEE PAR DE PETITES BULLES DE GAZ</p> <p>[72] DUKES, SIMON P., US</p> <p>[72] GRIFFIS, JOSHUA, US</p> <p>[72] CHEN, YANG, US</p> <p>[72] GU, GEORGE Y., US</p> <p>[71] EVOQUA WATER TECHNOLOGIES, LLC, US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-30 (PCT/US2022/042002)</p> <p>[87] (WO2023/034274)</p> <p>[30] US (63/238,243) 2021-08-30</p>
<p style="text-align: right;">[21] 3,229,154</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C09D 11/03 (2014.01) C09K 23/08 (2022.01) D06M 15/17 (2006.01) D21H 17/02 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS FOR IMPROVING THE ENVIRONMENTAL IMPACT OF PRINTING AND DYEING</p> <p>[54] COMPOSITIONS POUR AMELIORER L'IMPACT ENVIRONNEMENTAL DE L'IMPRESSION ET DE LA TEINTURE</p> <p>[72] FARMER, SEAN, US</p> <p>[72] LEFKOWITZ, ANDREW R., US</p> <p>[71] LOCUS SOLUTIONS IPCO, LLC., US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-30 (PCT/US2022/042054)</p> <p>[87] (WO2023/034310)</p> <p>[30] US (63/238,427) 2021-08-30</p>		

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[21] 3,229,158
[13] A1

- [51] Int.Cl. G16H 20/70 (2018.01)
 - [25] EN
 - [54] **SYSTEM AND METHOD FOR AUTOMATIC ANALYSIS OF TEXTS IN PSYCHOTHERAPY, COUNSELING, AND OTHER MENTAL HEALTH MANAGEMENT ACTIVITIES**
 - [54] **SYSTEME ET METHODE D'ANALYSE AUTOMATIQUE DE TEXTES EN PSYCHOTHERAPIE, CONSEIL PSYCHOLOGIQUE ET AUTRES ACTIVITES DE GESTION DE LA SANTE MENTALE**
 - [72] KOLAR, ADAM, CZ
 - [72] MAJERNIK, MARTIN, SK
 - [72] PINHEIRO, MIGUEL AMAVEL DOS SANTOS, CZ
 - [72] KARLIN, DANIEL R., US
 - [72] BARROW, ROBERT, US
 - [71] MIND MEDICINE, INC., US
 - [85] 2024-02-15
 - [86] 2022-08-17 (PCT/US2022/040525)
 - [87] (WO2023/023104)
 - [30] US (63/234,336) 2021-08-18
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[21] 3,229,159
[13] A1

- [51] Int.Cl. C22C 38/04 (2006.01) C21D 1/18 (2006.01) C21D 1/22 (2006.01) C21D 6/00 (2006.01) C21D 8/02 (2006.01) C21D 9/46 (2006.01) C22C 38/00 (2006.01) C22C 38/02 (2006.01) C22C 38/06 (2006.01) C22C 38/12 (2006.01) C22C 38/14 (2006.01)
- [25] EN
- [54] **HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF**
- [54] **TOLE D'ACIER LAMEE A CHAUD ET SON PROCEDE DE FABRICATION**
- [72] DE KNIJF, DORIEN, BE
- [72] WATERSCHOOT, TOM, BE
- [72] LORENZ, ULRIKE, BE
- [72] DUPREZ, LODE, BE
- [72] BRACKE, LIEVEN, BE
- [71] ARCELORMITTAL, LU
- [85] 2024-02-12
- [86] 2021-08-31 (PCT/IB2021/057943)
- [87] (WO2023/031645)

[21] 3,229,160
[13] A1

- [51] Int.Cl. C07K 16/30 (2006.01) C07K 16/28 (2006.01)
 - [25] EN
 - [54] **BISPECIFIC TETRAVALENT ANTIBODY TARGETING EGFR AND HER3**
 - [54] **ANTICORPS TETRAVALENT BISPECIFIQUE CIBLANT EGFR ET HER3**
 - [72] GOULET, DENNIS R., US
 - [72] KHALILI, JAHAN, US
 - [72] RENSHAW, BLAIR, US
 - [72] MAK, NGA SZE AMANDA, US
 - [72] ZHU, HAI, US
 - [72] ZHU, YI, CN
 - [71] SYSTIMMUNE, INC., US
 - [71] BAILI-BIO(CHENGDU) PHARMACEUTICAL CO., LTD., CN
 - [85] 2024-02-15
 - [86] 2022-08-25 (PCT/US2022/075445)
 - [87] (WO2023/028548)
 - [30] US (63/237,033) 2021-08-25
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[21] 3,229,161
[13] A1

- [25] EN
- [54] **PROTECTIVE PLATE FOR A VIBRATORY SCREEN**
- [54] **PLAQUE DE PROTECTION POUR TAMIS VIBRANT**
- [72] BARNES, PHILIP, AU
- [71] MIS.CARBONART PTY LTD (A SUBSIDIARY OF MINERAL RESOURCES LIMITED), AU
- [85] 2024-02-15
- [86] 2022-08-18 (PCT/AU2022/050918)
- [87] (WO2023/019315)
- [30] AU (2021902577) 2021-08-18

[21] 3,229,163
[13] A1

- [51] Int.Cl. B01J 37/02 (2006.01)
 - [25] EN
 - [54] **HDV READY ELECTROCHEMICAL ELECTRODES WITH NOVEL COMPOSITION, STRUCTURE AND METHOD OF MANUFACTURE**
 - [54] **ELECTRODES ELECTROCHIMIQUES PRETES POUR HDV AVEC NOUVELLE COMPOSITION, STRUCTURE, ET PROCEDE DE FABRICATION**
 - [72] RUAN, HAI XIONG, CA
 - [72] GIRGIS, EMAD AZMY SULTAN, CA
 - [71] BLUE-O TECHNOLOGY INC., CA
 - [85] 2024-02-15
 - [86] 2022-09-02 (PCT/CA2022/051326)
 - [87] (WO2023/028712)
 - [30] US (63/240,673) 2021-09-03
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[21] 3,229,164
[13] A1

- [51] Int.Cl. H03H 7/25 (2006.01) G06N 10/40 (2022.01)
- [25] EN
- [54] **TUNNEL JUNCTION ATTENUATOR/DISSIPATING ELEMENT**
- [54] **ELEMENT D'ATTENUATION/DISSIPATION DE JONCTION DE TUNNEL**
- [72] LEHTINEN, JANNE, FI
- [72] PRUNNILA, MIKA, FI
- [72] YURTTAGUL, NIKOLAI, FI
- [72] RONZANI, ALBERTO, FI
- [71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI
- [85] 2024-02-15
- [86] 2022-08-23 (PCT/FI2022/050541)
- [87] (WO2023/025985)
- [30] FI (20215878) 2021-08-23

PCT Applications Entering the National Phase

[21] 3,229,165
[13] A1

- [25] EN
 - [54] **DRIVE MEMBER ASSEMBLY FOR A VIBRATORY SCREEN**
 - [54] **ENSEMBLE ELEMENT D'ENTRAINEMENT POUR UN CRIBLE VIBRANT**
 - [72] WECKEND, CARSTEN, AU
 - [71] MIS.CARBONART PTY LTD (A SUBSIDIARY OF MINERAL RESOURCES LIMITED), AU
 - [85] 2024-02-15
 - [86] 2022-08-18 (PCT/AU2022/050923)
 - [87] (WO2023/019318)
 - [30] AU (2021902578) 2021-08-18
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[21] 3,229,166
[13] A1

- [51] **Int.Cl. C07K 14/495 (2006.01) C07K 14/71 (2006.01) C07K 16/28 (2006.01)**
- [25] EN
- [54] **FUSION PROTEIN CONTAINING ANTI-TIGIT ANTIBODY AND TGF-?R, AND PHARMACEUTICAL COMPOSITION AND USE THEREOF**
- [54] **PROTEINE DE FUSION CONTENANT UN ANTICORPS ANTI-TIGIT ET UN TGF-?R, ET COMPOSITION PHARMACEUTIQUE ET UTILISATION ASSOCIEE**
- [72] WANG, ZHONGMIN, CN
- [72] ZHANG, PENG, CN
- [72] LI, BAIYONG, CN
- [72] XIA, YU, CN
- [71] AKESO BIOPHARMA, INC., CN
- [85] 2024-02-15
- [86] 2022-08-22 (PCT/CN2022/113882)
- [87] (WO2023/020625)
- [30] CN (202110961038.5) 2021-08-20

[21] 3,229,167
[13] A1

- [51] **Int.Cl. F26B 15/12 (2006.01) B41F 23/04 (2006.01) B65G 17/42 (2006.01) F26B 25/02 (2006.01)**
 - [25] EN
 - [54] **PIN OVEN FOR PRODUCING CONTAINERS, AND METHOD**
 - [54] **FOUR A BROCHES PERMETTANT DE PRODUIRE DES RECIPIENTS ET PROCEDE**
 - [72] HARMS, WILKO, DE
 - [72] REINHARDT, ULF, DE
 - [71] BELVAC PRODUCTION MACHINERY, INC., US
 - [85] 2024-02-15
 - [86] 2022-08-05 (PCT/DE2022/100569)
 - [87] (WO2023/020653)
 - [30] DE (10 2021 121 521.8) 2021-08-19
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[21] 3,229,168
[13] A1

- [51] **Int.Cl. B32B 5/24 (2006.01) B32B 5/26 (2006.01)**
- [25] EN
- [54] **IMPROVEMENTS IN VIBRATORY SCREENS**
- [54] **AMELIORATIONS APPORTEES A DES TAMIS VIBRANTS**
- [72] BARNES, PHILIP, AU
- [72] WECKEND, CARSTEN, AU
- [72] VINCAN, ALEX, AU
- [72] DE HAAS, DAVID, AU
- [71] MIS.CARBONART PTY LTD (A SUBSIDIARY OF MINERAL RESOURCES LIMITED), AU
- [85] 2024-02-15
- [86] 2022-08-18 (PCT/AU2022/050919)
- [87] (WO2023/019316)
- [30] AU (2021902579) 2021-08-18
- [30] AU (2021902580) 2021-08-18

[21] 3,229,169
[13] A1

- [25] EN
 - [54] **PRODUCTION OF THERMORESISTANT LACCASES USING WHITE ROT FUNGUS CORIOLOPSIS GALlica**
 - [54] **PRODUCTION DE LACCASES THERMORESISTANTES A L'AIDE DU CHAMPIGNON A POURRITURE BLANCHE CORIOLOPSIS GALlica**
 - [72] FLAHAUT, SIGRID, BE
 - [72] SONGULASHVILI, GEORGE, BE
 - [71] UNIVERSITE LIBRE DE BRUXELLES, BE
 - [85] 2024-02-15
 - [86] 2022-09-27 (PCT/EP2022/076805)
 - [87] (WO2023/046984)
 - [30] EP (21199193.0) 2021-09-27
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[21] 3,229,171
[13] A1

- [51] **Int.Cl. F28F 27/00 (2006.01)**
- [25] EN
- [54] **WORKING FLUID SYSTEM MONITORING BASED ON HEAT EXCHANGER PARAMETERS**
- [54] **SURVEILLANCE DE SYSTEME DE FLUIDE DE TRAVAIL SUR LA BASE DE PARAMETRES D'ECHANGEUR DE CHALEUR**
- [72] AVENDANO, CALEB, US
- [72] AVENDANO, XAVIER, US
- [71] DRACOOL DATAPLATE, LLC, US
- [85] 2024-02-15
- [86] 2022-08-19 (PCT/US2022/040893)
- [87] (WO2023/023328)
- [30] US (63/234,826) 2021-08-19

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[21] 3,229,172 [13] A1
[51] Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6869 (2018.01) C12Q 1/6874 (2018.01)
[25] EN
[54] ULTRAFAST MOLECULAR INVERSION PROBE-BASED TARGETED SEQUENCING ASSAY FOR LOW VARIANT ALLELE FREQUENCY
[54] ESSAI DE SEQUENCAGE CIBLE BASE SUR UNE SONDE D'INVERSION MOLECULAIRE ULTRA-RAPIDE POUR UNE BASSE FREQUENCE D'ALLELE VARIANT
[72] SHLUSH, LIRAN, IL
[72] BIEZUNER, TAMIR, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[85] 2024-02-15
[86] 2022-08-18 (PCT/IL2022/050907)
[87] (WO2023/021518)
[30] US (63/234,523) 2021-08-18

[21] 3,229,173 [13] A1
[51] Int.Cl. A61L 2/28 (2006.01)
[25] EN
[54] GAS STERILIZATION PROCESS CHALLENGE DEVICE
[54] DISPOSITIF DE TEST DE PROCESSUS DE STERILISATION PAR GAZ
[72] BALA, HARRY, US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2024-02-15
[86] 2022-08-22 (PCT/US2022/041013)
[87] (WO2023/027979)
[30] US (17/409,398) 2021-08-23

[21] 3,229,174 [13] A1
[51] Int.Cl. B61L 23/06 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR RAILROAD PERSONNEL SAFETY ASSURANCE
[54] SYSTEME ET PROCEDE D'ASSURANCE DE SECURITE DE PERSONNEL DE CHEMIN DE FER
[72] OLSEN, ERIC PETER, US
[72] RAJASUBRAMANIAN, SHANMUGASUNDARAM, IN
[72] MATHEW, NITHIN PAUL, IN
[72] JAGADESAN, MARUTHA PANDIAN, IN
[72] HOWARD, MICHAEL, US
[72] HIMMELSTEIN, DAVID, US
[72] HALIM, AAMIR AHMAD, US
[72] MORGAN, WAYNE, US
[72] DASH, AMIT KUMAR, US
[72] BUNKLEY, JACOB, US
[72] WAUDO, DICKSON, US
[72] STEWART, WILLIAM, US
[72] WYLIE, RAVEN, US
[71] BNSF RAILWAY COMPANY, US
[85] 2024-02-15
[86] 2022-07-26 (PCT/US2022/038342)
[87] (WO2023/022860)
[30] US (17/403,014) 2021-08-16

[21] 3,229,175 [13] A1
[51] Int.Cl. F26B 15/10 (2006.01)
[25] EN
[54] DEVICE AND METHOD FOR PREVENTING FAULTS OF AN OVEN FOR PRODUCING CONTAINERS, IN PARTICULAR CANS
[54] DISPOSITIF ET PROCEDE DE PREVENTION DES DEFAILLANCES D'UN FOUR POUR LA FABRICATION DE RECIPIENTS, EN PARTICULIER DE BOITES
[72] HARMS, WILKO, DE
[72] REINHARDT, ULF, DE
[71] BELVAC PRODUCTION MACHINERY, INC., US
[85] 2024-02-15
[86] 2022-08-05 (PCT/DE2022/100570)
[87] (WO2023/020654)
[30] DE (10 2021 121 652.4) 2021-08-20

[21] 3,229,177 [13] A1
[51] Int.Cl. G16H 50/70 (2018.01) G16H 20/10 (2018.01)
[25] EN
[54] DATA REPOSITORY, SYSTEM, AND METHOD FOR COHORT SELECTION
[54] REFERENTIEL DE DONNEES, SYSTEME ET PROCEDE DE SELECTION DE COHORTES
[72] KUMAR, NAVEEN, US
[72] ZHANG, JINGWEN, US
[72] SUBRAMANIAN, NISHA, US
[72] NAYAK, GAUTAM, US
[71] GUARDANT HEALTH, INC., US
[85] 2024-02-15
[86] 2022-08-31 (PCT/US2022/042262)
[87] (WO2023/034453)
[30] US (63/238,851) 2021-08-31
[30] US (63/250,912) 2021-09-30
[30] US (PCT/US2022/032250) 2022-06-03
[30] US (PCT/US2022/038941) 2022-07-29

[21] 3,229,178 [13] A1
[51] Int.Cl. B65G 13/071 (2006.01)
[25] EN
[54] SHRINK CONVEYOR AND METHOD FOR ALLOWING SHRINK IN A CONTINUOUS STRIP
[54] CONVOYEUR RETRACTABLE ET PROCEDE POUR PERMETTRE UNE CONTRACTION DANS UNE BANDE CONTINUE
[72] VAN BEEK, WILLEM MARINUS, NL
[71] VMI HOLLAND B.V., NL
[85] 2024-02-15
[86] 2022-08-29 (PCT/NL2022/050490)
[87] (WO2023/038518)
[30] NL (2029170) 2021-09-10

PCT Applications Entering the National Phase

[21] 3,229,179
[13] A1

[25] EN
[54] DETECTING ESTRUS IN ANIMALS FOR INSEMINATION
[54] DETECTION DE CHALEURS CHEZ DES ANIMAUX A DES FINS D'INSEMINATION
[72] LABRECQUE, JACQUELIN, CA
[72] GERMAIN, GABRIELLE, CA
[72] BOURGEAIS-BOON, EVA, CA
[72] RIVEST, JOEL, CA
[71] GROUPE RO-MAIN INC., CA
[85] 2024-02-15
[86] 2022-08-15 (PCT/CA2022/051237)
[87] (WO2023/019348)
[30] US (63/235,266) 2021-08-20
[30] US (63/235,270) 2021-08-20

[21] 3,229,180
[13] A1

[51] Int.Cl. G06F 9/451 (2018.01) G06F 3/0481 (2022.01) G06N 20/00 (2019.01)
[25] EN
[54] SYSTEMS AND METHODS FOR DETERMINING GUI INTERACTION INFORMATION FOR AN END USER DEVICE
[54] SYSTEMES ET PROCEDES PERMETTANT DE DETERMINER DES INFORMATIONS D'INTERACTION DE GUI POUR UN DISPOSITIF D'UTILISATEUR FINAL
[72] DUBBA, KRISHNA SANDEEP REDDY, GB
[72] CARR, BENJAMIN MICHAEL, GB
[72] AKTAS, UMIT RUSEN, GB
[72] CHILES, THOMAS ALEXANDER, GB
[71] BLUE PRISM LIMITED, GB
[85] 2024-02-15
[86] 2022-08-18 (PCT/GB2022/052147)
[87] (WO2023/021299)
[30] GB (2111831.0) 2021-08-18

[21] 3,229,181
[13] A1

[25] EN
[54] SYSTEMS AND METHODS FOR THE PRODUCTION OF HYDROGEN AND CARBON
[54] SYSTEMES ET PROCEDES DE PRODUCTION D'HYDROGÈNE ET DE CARBONE
[72] JARVIS, RICHARD W., US
[72] PASKALOV, GEORGE Z., US
[72] HARMISON, BRIAN K., US
[72] USTIMENKO, ALEXANDR, KZ
[72] MOSSE, ALFRED LVOVICH, BY
[72] MESERLE, VLADIMIR, KZ
[71] TORRENT ENERGY, US
[85] 2024-02-15
[86] 2022-08-19 (PCT/US2022/075194)
[87] (WO2023/023636)
[30] US (63/235,025) 2021-08-19
[30] US (63/242,273) 2021-09-09

[21] 3,229,183
[13] A1

[51] Int.Cl. H04W 12/02 (2009.01) H04W 12/75 (2021.01) H04L 9/40 (2022.01) H04L 61/2596 (2022.01)
[25] EN
[54] UNSOLICITED HANDLING OF UNIQUE IDENTIFIERS FOR STATIONS
[54] GESTION NON SOLICITEE D'IDENTIFIANTS UNIQUES POUR DES STATIONS
[72] HAMILTON, MARK, US
[72] LUMBATIS, KURT, US
[72] STRATER, JAY, US
[71] ARRIS ENTERPRISES LLC, US
[85] 2024-02-15
[86] 2022-05-18 (PCT/US2022/029805)
[87] (WO2023/022771)
[30] US (17/406,757) 2021-08-19

[21] 3,229,184
[13] A1

[51] Int.Cl. G06V 20/17 (2022.01) G01S 17/89 (2020.01)
[25] EN
[54] MINING WORKSITE MAPPING
[54] MAPPAGE DE CHANTIERS MINIERS
[72] PUURA, JUSSI, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2024-02-15
[86] 2022-09-12 (PCT/EP2022/075327)
[87] (WO2023/036994)
[30] EP (21196294.9) 2021-09-13

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[51] Int.Cl. B22F 1/145 (2022.01) B22F 1/16 (2022.01) C06B 45/30 (2006.01)
[25] EN
[54] SYSTEMS AND METHODS FOR SYNTHESIS AND PRODUCTION OF ENERGETIC PARTICLES
[54] SYSTEMES ET PROCEDES DE SYNTHESE ET DE PRODUCTION DE PARTICULES ENERGETIQUES
[72] OQAB, HAROON B., CA
[72] DIETRICH, GEORGE B., CA
[72] WEN, JOHN, CA
[72] HICKEY, JEAN-PIERRE, CA
[72] WANG, ANQI, CA
[72] ZHANG, YIQI, CA
[71] OQAB DIETRICH INDUCTION INC., CA
[85] 2024-02-15
[86] 2022-08-17 (PCT/CA2022/051251)
[87] (WO2023/019357)
[30] US (63/234,094) 2021-08-17

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[51] Int.Cl. B63B 22/06 (2006.01) B63B 22/28 (2006.01) B63B 27/36 (2006.01)
[25] EN
[54] UNDERWATER RETRIEVAL DEVICE AND REWINDING SYSTEMS
[54] DISPOSITIF DE RECUPERATION SOUS-MARIN ET SYSTEMES DE REMBOBINAGE
[72] CYR MERCIER, CARL-PHILIPPE, CA
[72] THERRIEN, SIMON, CA
[72] GAUTHIER, FRANCOIS, CA
[72] DUPONT, RENAUD, CA
[72] BAILLARGEON, LOUIS-PHILIPPE, CA
[72] GRENIER, OLIVIER, CA
[72] CORDON, ALICE, CA
[72] PARIS, THOMAS, CA
[72] PICHE, OLIVIER, CA
[72] DELORME, JEREMY, CA
[71] DEVOCEAN INC., CA
[85] 2024-02-15
[86] 2023-01-05 (PCT/CA2023/050005)
[87] (WO2023/130183)
[30] US (63/266,499) 2022-01-06

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[51] Int.Cl. H04W 12/42 (2021.01) H04W 12/03 (2021.01) H04W 12/0431 (2021.01) H04W 12/60 (2021.01) H04L 9/40 (2022.01)
[25] EN
[54] SECURE CHANNEL FORMATION USING EMBEDDED SUBSCRIBER INFORMATION MODULE (ESIM)
[54] FORMATION DE CANAUX SECURISES A L'AIDE D'UN MODULE INCORPORE D'INFORMATIONS D'ABONNE (ESIM)
[72] NAUJOK, JEFFREY ROBERT, US
[72] DESAI, RODGER R., US
[72] BIJELICH, MICHAEL, US
[72] KHURJEKAR, ADITYA, US
[71] PROVE IDENTITY, INC., US
[85] 2024-02-15
[86] 2022-08-02 (PCT/US2022/039174)
[87] (WO2023/022879)
[30] US (17/407,041) 2021-08-19

[21] **3,229,188**
[13] A1

[25] EN
[54] RIDING AID APPARATUS AND METHOD OF MANUFACTURE THEREOF
[54] APPAREIL D'AIDE A LA CHEVAUCHEE ET PROCEDE DE FABRICATION ASSOCIE
[72] DENNIS, VICTORIA, GB
[72] SCHOFIELD, RUTH, GB
[71] DENNIS, VICTORIA, GB
[71] SCHOFIELD, RUTH, GB
[85] 2024-02-15
[86] 2022-08-17 (PCT/GB2022/052134)
[87] (WO2023/021288)
[30] GB (2111768.4) 2021-08-17

[21] **3,229,189**
[13] A1

[51] Int.Cl. F24S 20/61 (2018.01)
[25] FR
[54] BUILDING WITH HELIODYNAMIC ARCHITECTURE
[54] BATIMENT A ARCHITECTURE HELIODYNAMIQUE
[72] WASSER, ERIC, FR
[71] ALCERU SCHWARZA GMBH, DE
[85] 2024-02-15
[86] 2022-09-08 (PCT/EP2022/074970)
[87] (WO2023/036866)
[30] FR (FR2109431) 2021-09-09

[21] **3,229,192**
[13] A1

[51] Int.Cl. E21B 17/04 (2006.01) E21B 17/18 (2006.01)
[25] EN
[54] DUAL TUBE DRILL STRING COMPONENTS
[54] ELEMENTS DE TRAIN DE TIGES DE FORAGE A DEUX TUBES
[72] DRENTH, CHRISTOPHER L., CA
[72] BRUBACHER, ADRIAN, CA
[71] LONGYEAR TM, INC., US
[85] 2024-02-15
[86] 2022-08-18 (PCT/US2022/040788)
[87] (WO2023/023268)
[30] US (63/234,950) 2021-08-19

[21] **3,229,193**
[13] A1

[51] Int.Cl. C07K 14/705 (2006.01) A61K 35/17 (2015.01) C07K 16/28 (2006.01)
[25] EN
[54] COMPOSITIONS AND METHODS FOR CHIMERIC ANTIGEN RECEPTORS SPECIFIC TO B CELL RECEPTORS
[54] COMPOSITIONS ET METHODES POUR DES RECEPTEURS ANTIGENIQUES CHIMERIQUES SPECIFIQUES DES RECEPTEURS DE LYMPHOCYTES B
[72] RUELLA, MARCO, US
[72] SCHUSTER, STEPHEN, US
[72] STAMATOPOULOS, KOSTAS, GR
[72] PROSPERO GHIA, PAOLO, IT
[72] SANZ, IGNACIO, US
[72] COHEN, IVAN, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] INSTITUTE OF APPLIED BIOSCIENCE (INAB) / CENTRE FOR RESEARCH AND TECH..., GR
[71] OSPEDALE SAN RAFFAELE S.R.L. (OSR), IT
[71] EMORY UNIVERSITY, US
[85] 2024-02-15
[86] 2022-08-18 (PCT/US2022/075140)
[87] (WO2023/023596)
[30] US (63/234,514) 2021-08-18

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<p style="text-align: right;">[21] 3,229,195</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61J 7/02 (2006.01) A61J 1/03 (2023.01)</p> <p>[25] EN</p> <p>[54] LIVE MONITORING PILL DISPENSING DEVICE</p> <p>[54] DISPOSITIF DE DISTRIBUTION DE COMPRIMES A SURVEILLANCE EN DIRECT</p> <p>[72] WHITWORTH, ADEN, US</p> <p>[72] CAMPBELL, JACK, CA</p> <p>[71] MEDIFORM TECHNOLOGY CORP., US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-04 (PCT/CA2022/051192)</p> <p>[87] (WO2023/019346)</p> <p>[30] US (63/233,379) 2021-08-16</p>

<p style="text-align: right;">[21] 3,229,196</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G01M 13/003 (2019.01) F24F 11/74 (2018.01)</p> <p>[25] EN</p> <p>[54] DAMPER TORQUE OR VALVE FORCE TESTING DEVICE</p> <p>[54] DISPOSITIF D'ESSAI DE COUPLE D'AMORTISSEUR OU DE FORCE DE SOUPAPE</p> <p>[72] CALIENDO, GUY P., US</p> <p>[72] EIKLOR, GARY, US</p> <p>[72] ANDERSON, DEAN B., US</p> <p>[72] MARDER, MARCO, CH</p> <p>[71] SIEMENS INDUSTRY, INC., US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-07-21 (PCT/US2022/037772)</p> <p>[87] (WO2023/027835)</p> <p>[30] US (17/411,311) 2021-08-25</p>
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<p style="text-align: right;">[21] 3,229,197</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08F 265/06 (2006.01)</p> <p>[25] EN</p> <p>[54] WATERBORNE POLYMER COMPOSITION FOR WOOD APPLICATIONS</p> <p>[54] COMPOSITION DE POLYMERÉE A BASE D'EAU POUR DES APPLICATIONS DE BOIS</p> <p>[72] ARSLAN ULKER, FATMA, TR</p> <p>[72] KONUS, DUYGU, TR</p> <p>[72] ALTINOK, SIBEL, TR</p> <p>[71] ORGANIK KIMYA SAN. VE TIC. A.S.,</p> <p>[71] ORGANIK KIMYA NETHERLANDS BV, NL</p> <p>[85] 2024-02-15</p> <p>[86] 2023-03-02 (PCT/EP2023/055312)</p> <p>[87] (WO2023/169920)</p> <p>[30] EP (22160945.6) 2022-03-08</p>

<p style="text-align: right;">[21] 3,229,198</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C25B 1/04 (2021.01) C25B 11/052 (2021.01) C25B 11/061 (2021.01) C25B 11/063 (2021.01) C25B 11/093 (2021.01) C23C 18/12 (2006.01)</p> <p>[25] EN</p> <p>[54] AN ELECTROLYZER ELECTROCATALYST COMPRISING COBALT (CO) OXIDE, ZIRCONIUM (ZR) AND A NOBLE METAL, AN ELECTRODE COMPRISING THE ELECTROCATALYST AND THE USE OF THE ELECTROCATALYST IN AN ELECTROLYSIS PROCES</p> <p>[54] ELECTROCATALYSEUR D'ELECTROLYSEUR COMPRENANT DE L'OXYDE DE COBALT (CO), DU ZIRCONIUM (ZR) ET UN METAL NOBLE, UNE ELECTRODE COMPORTANT L'ELECTROCATALYSEUR ET UTILISATION DE L'ELECTROCATALYSEUR DANS UN PROCEDE D'ELECTROLYS</p> <p>[72] VOS, JOHANNES GODFRIED, NL</p> <p>[71] MAGNETO SPECIAL ANODES B.V., NL</p> <p>[85] 2024-02-15</p> <p>[86] 2022-09-13 (PCT/EP2022/075440)</p> <p>[87] (WO2023/037010)</p> <p>[30] US (63/243,353) 2021-09-13</p> <p>[30] US (63/353,060) 2022-06-17</p>

<p style="text-align: right;">[21] 3,229,199</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] RETINAL ORGANOID MODEL SYSTEMS</p> <p>[54] SYSTEMES DE MODELE ORGANOIDE RETINIEN</p> <p>[72] GAMM, DAVID, US</p> <p>[72] MAYERL, STEVEN, US</p> <p>[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-17 (PCT/US2022/075064)</p> <p>[87] (WO2023/034686)</p> <p>[30] US (63/238,415) 2021-08-30</p>

<p style="text-align: right;">[21] 3,229,200</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] MULTI-MODULUS PROBE DESIGN AND ASSEMBLY</p> <p>[54] ASSEMBLAGE ET CONCEPTION DE SONDE A MODULE MULTIPLE</p> <p>[72] BUSCAGLIA, ALEXANDER CARLO, US</p> <p>[72] LUPERCIO, CHRISTIAN, US</p> <p>[72] BROWN, ALEX, US</p> <p>[71] NORTHGATE TECHNOLOGIES INC., US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-16 (PCT/IB2022/057653)</p> <p>[87] (WO2023/021417)</p> <p>[30] US (63/233,633) 2021-08-16</p>

<p style="text-align: right;">[21] 3,229,201</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08F 2/06 (2006.01) C08F 6/00 (2006.01) C08F 6/02 (2006.01) C08F 210/16 (2006.01)</p> <p>[25] EN</p> <p>[54] PROCESS FOR PRODUCING A POLYOLEFIN WITH LOW VOLATILE CONTENT</p> <p>[54] PROCEDE DE PRODUCTION D'UNE POLYOLEFINE A FAIBLE TENEUR EN MATIERES VOLATILES</p> <p>[72] AL-HAJ ALI, MOHAMMAD, FI</p> <p>[72] SLEIJSTER, HENRY, NL</p> <p>[71] BOREALIS AG, AT</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-09 (PCT/EP2022/072306)</p> <p>[87] (WO2023/020885)</p> <p>[30] EP (21191502.0) 2021-08-16</p>

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<p>[21] 3,229,202 [13] A1</p> <p>[51] Int.Cl. G01N 21/78 (2006.01) C12Q 1/6825 (2018.01)</p> <p>[25] EN</p> <p>[54] ENGINEERED FLUORESCENT SPONTANEOUS ISOMERIZATION RATE BIOSENSORS</p> <p>[54] BIOCAPTEURS MODIFIEES DE VITESSE D'ISOMERISATION SPONTANEE FLUORESCENTE</p> <p>[72] INGARAMO, MARIA, US</p> <p>[71] CALICO LIFE SCIENCES LLC, US</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-18 (PCT/US2022/075162)</p> <p>[87] (WO2023/023613)</p> <p>[30] US (63/234,943) 2021-08-19</p> <p>[30] US (63/289,513) 2021-12-14</p>
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<p>[21] 3,229,203 [13] A1</p> <p>[51] Int.Cl. A61P 31/20 (2006.01)</p> <p>[25] EN</p> <p>[54] THERAPEUTIC PAPILLOMA VIRUS VACCINES</p> <p>[54] VACCINS THERAPEUTIQUES CONTRE LE PAPILLOMAVIRUS</p> <p>[72] THIRION, CHRISTIAN, DE</p> <p>[72] PERTL, CORDULA, DE</p> <p>[72] KARLAS, ALEXANDER, DE</p> <p>[72] SANDIG, VOLKER, DE</p> <p>[72] JORDAN, INGO, DE</p> <p>[72] HOLST, PETER JOHANNES, DK</p> <p>[72] RAHBÆK BOILESEN, DITTE, DK</p> <p>[72] WAGNER, RALF, DE</p> <p>[72] NECKERMANN, PATRIK, DE</p> <p>[72] ASBACH, BENEDIKT, DE</p> <p>[71] SIRION BIOTECH GMBH, DE</p> <p>[71] UNIVERSITAET REGENSBURG, DE</p> <p>[71] INPROTHER APS, DK</p> <p>[71] PROBIOGEN AG, DE</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-17 (PCT/EP2022/073016)</p> <p>[87] (WO2023/021116)</p> <p>[30] EP (21191940.2) 2021-08-18</p>

<p>[21] 3,229,205 [13] A1</p> <p>[51] Int.Cl. F27D 3/00 (2006.01) C22B 7/00 (2006.01) C22B 9/00 (2006.01) C22B 21/00 (2006.01) F27B 14/06 (2006.01) F27D 11/06 (2006.01)</p> <p>[25] FR</p> <p>[54] METHOD FOR MELTING A CHARGE OF ALUMINIUM USING AN INDUCTION FURNACE</p> <p>[54] PROCEDE DE FUSION DE CHARGE D'ALUMINIUM UTILISANT UN FOUR A INDUCTION</p> <p>[72] BERTHERAT, MARC, CH</p> <p>[72] PICCHAT, ANNE, FR</p> <p>[72] WAZ, EMMANUEL, FR</p> <p>[72] VASSEL, ALAIN, FR</p> <p>[71] CONSTELLIUM ISSOIRE, FR</p> <p>[71] CONSTELLIUM NEUF-BRISACH, FR</p> <p>[71] CONSTELLIUM MUSCLE SHOALS LLC, US</p> <p>[85] 2024-02-09</p> <p>[86] 2022-08-29 (PCT/FR2022/051618)</p> <p>[87] (WO2023/031545)</p> <p>[30] FR (FR2109082) 2021-08-31</p>

<p>[21] 3,229,207 [13] A1</p> <p>[51] Int.Cl. C22B 9/16 (2006.01) C22B 7/00 (2006.01) C22B 9/00 (2006.01) C22B 9/05 (2006.01) C22B 21/00 (2006.01)</p> <p>[25] FR</p> <p>[54] SUSTAINABLE REMELTING LINE FOR ALUMINIUM ALLOY SCRAP</p> <p>[54] LIGNE DE REFUSION DE SCRAP EN ALLIAGE D'ALUMINIUM ECO-RESPONSABLE</p> <p>[72] BERTHERAT, MARC, CH</p> <p>[72] JOUET-PASTRE, LAURENT, FR</p> <p>[72] PICCHAT, ANNE, FR</p> <p>[72] VASSEL, ALAIN, FR</p> <p>[72] WAZ, EMMANUEL, FR</p> <p>[71] CONSTELLIUM ISSOIRE, FR</p> <p>[71] CONSTELLIUM NEUF-BRISACH, FR</p> <p>[71] CONSTELLIUM MUSCLE SHOALS LLC, US</p> <p>[85] 2024-02-09</p> <p>[86] 2022-08-29 (PCT/FR2022/051620)</p> <p>[87] (WO2023/031547)</p> <p>[30] FR (FR2109091) 2021-08-31</p> <p>[30] FR (FR2109082) 2021-08-31</p> <p>[30] FR (FR2109085) 2021-08-31</p>
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<p>[21] 3,229,208 [13] A1</p> <p>[51] Int.Cl. F24F 1/0033 (2019.01) F24F 11/77 (2018.01) F24F 1/0022 (2019.01)</p> <p>[25] EN</p> <p>[54] AIR MANAGEMENT SYSTEM FOR A HEATING, VENTILATION, AND AIR-CONDITIONING SYSTEM</p> <p>[54] SYSTEME DE GESTION D'AIR POUR SYSTEME DE CHAUFFAGE, VENTILATION ET CLIMATISATION</p> <p>[72] TARAS, MICHAEL F, US</p> <p>[72] NERUR, SANTOSH, US</p> <p>[72] GULAM, HUSSAIN A, US</p> <p>[72] DANIELS, MARK, US</p> <p>[71] GOODMAN GLOBAL GROUP, INC., US</p> <p>[85] 2024-02-09</p> <p>[86] 2022-02-17 (PCT/US2022/016741)</p> <p>[87] (WO2023/018447)</p> <p>[30] US (17/445,008) 2021-08-13</p>
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<p>[21] 3,229,210 [13] A1</p> <p>[51] Int.Cl. H05B 3/14 (2006.01) H05B 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ALL-CERAMIC HEATING ELEMENT</p> <p>[54] ELEMENT DE CHAUFFAGE ENTIEREMENT EN CERAMIQUE</p> <p>[72] LEIGH, PETER, CN</p> <p>[71] CHONGQING LE-MARK TECHNOLOGY CO., LTD., CN</p> <p>[85] 2024-02-12</p> <p>[86] 2022-09-16 (PCT/CN2022/119172)</p> <p>[87] (WO2023/184886)</p> <p>[30] CN (202210328351.X) 2022-03-30</p>
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[21] 3,229,213
[13] A1

[51] Int.Cl. H04W 68/02 (2009.01)
[25] EN
[54] SIGNAL OR CHANNEL DETECTION METHOD AND APPARATUS, TERMINAL, AND STORAGE MEDIUM
[54] PROCEDE ET APPAREIL DE DETECTION DE SIGNAL OU DE CANAL, TERMINAL ET SUPPORT DE STOCKAGE
[72] YANG, TUO, CN
[72] HU, LIJIE, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2024-01-29
[86] 2022-07-27 (PCT/CN2022/108362)
[87] (WO2023/005995)
[30] CN (202110871006.6) 2021-07-30

[21] 3,229,215
[13] A1

[51] Int.Cl. G01J 3/28 (2006.01) G02B 5/00 (2006.01) G02B 5/20 (2006.01)
[25] EN
[54] MULTISPECTRAL IMAGE SENSOR
[54] CAPTEUR D'IMAGE MULTISPECTRALE
[72] GREGORY, SIMON ADRIAN, GB
[71] THE SECRETARY FOR STATE FOR DEFENCE, GB
[85] 2024-02-12
[86] 2022-08-03 (PCT/IB2022/057200)
[87] (WO2023/017366)
[30] GB (2111592.8) 2021-08-12

[21] 3,229,216
[13] A1

[51] Int.Cl. C07F 17/00 (2006.01)
[25] EN
[54] OLEFIN POLYMERIZATION CATALYST SYSTEM AND POLYMERIZATION PROCESS
[54] SYSTEME CATALYSEUR DE POLYMERISATION D'OLEFINES ET PROCEDE DE POLYMERISATION
[72] MORRISON, DARRYL J., CA
[72] CHIU, FREDERICK, CA
[72] GOETTEL, JAMES T., CA
[72] GAO, XIAOLIANG, CA
[72] SMILEY, JANELLE, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2024-02-09
[86] 2022-09-16 (PCT/IB2022/058783)
[87] (WO2023/042155)
[30] US (63/246,249) 2021-09-20
[30] US (63/246,490) 2021-09-21

[21] 3,229,218
[13] A1

[51] Int.Cl. H02H 7/18 (2006.01) H01M 10/0525 (2010.01) H01M 10/52 (2006.01)
[25] EN
[54] BATTERY VENT PROTECTOR
[54] PROTECTEUR D'EVENT DE BATTERIE
[72] NOLTE, KEVIN, US
[72] SHIELDS, RHONDA, US
[72] FRENCH, GARRETT, US
[72] MARIS, DACOTA, US
[72] SMITH, MARK E., US
[71] EAGLEPICHER TECHNOLOGIES, LLC, US
[85] 2024-02-12
[86] 2022-08-22 (PCT/US2022/041006)
[87] (WO2023/034050)
[30] US (63/240,110) 2021-09-02

[21] 3,229,219
[13] A1

[51] Int.Cl. C22B 3/42 (2006.01) B01D 15/36 (2006.01) C02F 1/42 (2006.01) C22B 3/44 (2006.01) C22B 26/12 (2006.01)
[25] EN
[54] LITHIUM RECOVERY FROM BRINE
[54] RECUPERATION DE LITHIUM A PARTIR DE SAUMURE
[72] SMITH, ERIC, US
[72] SMITH, CHAD, US
[72] MCNAMARA, JOHN MICHAEL, US
[71] BHER MINERALS, LLC, US
[85] 2024-02-12
[86] 2022-08-10 (PCT/US2022/074783)
[87] (WO2023/019184)
[30] US (63/232,887) 2021-08-13

[21] 3,229,220
[13] A1

[51] Int.Cl. B25J 9/00 (2006.01)
[25] EN
[54] EXOSKELETON AND METHOD
[54] EXOSQUELETTE ET PROCEDE
[72] OTTEN, BERNWARD, DE
[72] FETHKE, MAURITZ, DE
[72] ZELL, SIMON, DE
[71] FESTOOL GMBH, DE
[85] 2024-02-13
[86] 2022-08-12 (PCT/EP2022/072712)
[87] (WO2023/017169)
[30] DE (10 2021 208 905.4) 2021-08-13

[21] 3,229,221
[13] A1

[51] Int.Cl. A61K 38/44 (2006.01) A61K 9/19 (2006.01) C12N 9/04 (2006.01) C12N 9/92 (2006.01) C12Q 1/30 (2006.01)
[25] EN
[54] METHODS AND COMPOSITIONS FOR TREATING FRUCTOSE INTOLERANCE AND FRUCTOSE MALABSORPTION
[54] METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE L'INTOLERANCE AU FRUCTOSE ET DE LA MALABSORPTION DU FRUCTOSE
[72] MARGOLIN, ALEXEY, US
[72] SHENOY, BHAMI, US
[71] ANAGRAM THERAPEUTICS, INC., US
[85] 2024-02-12
[86] 2022-08-12 (PCT/US2022/074934)
[87] (WO2023/019266)
[30] US (63/232,922) 2021-08-13

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[21] 3,229,222
[13] A1

[51] Int.Cl. B25J 9/00 (2006.01)
[25] EN
[54] EXOSKELETON DEVICE AND METHOD
[54] ENSEMBLE EXOSQUELETTE ET PROCEDE
[72] OTTEN, BERNWARD, DE
[72] WEIDNER, ROBERT, DE
[71] FESTOOL GMBH, DE
[85] 2024-02-13
[86] 2022-08-12 (PCT/EP2022/072713)
[87] (WO2023/017170)
[30] DE (10 2021 208 910.0) 2021-08-13

[21] 3,229,223
[13] A1

[51] Int.Cl. A61K 8/06 (2006.01) A61K 8/44 (2006.01) A61K 8/64 (2006.01) A61K 8/67 (2006.01) A61Q 11/00 (2006.01)
[25] EN
[54] ORAL CARE COMPOSITIONS FOR GUM HEALTH
[54] COMPOSITIONS DE SOINS BUCCAUX POUR FAVORISER LA SANTE DE LA GENCIVE
[72] BIESBROCK, AARON REED, US
[72] RAJAIAH, JAYANTH, US
[72] SAGEL, PAUL ALBERT, US
[72] SHI, YUNMING, CN
[72] STRAND, ROSS, SG
[71] PROCTER & GAMBLE COMPANY, US
[85] 2024-02-13
[86] 2021-08-23 (PCT/CN2021/113959)
[87] (WO2023/023884)

[21] 3,229,224
[13] A1

[51] Int.Cl. C12N 15/82 (2006.01) C12N 9/12 (2006.01) C12N 9/22 (2006.01)
[25] EN
[54] METHODS AND COMPOSITIONS FOR MODIFYING CYTOKININ RECEPTOR HISTIDINE KINASE GENES IN PLANTS
[54] PROCEDES ET COMPOSITIONS POUR MODIFIER LES GENES DE L'HISTIDINE KINASE DU RECEPTEUR DE LA CYTOKININE DANS DES PLANTES
[72] MATHEW, LOLITA GEORGE, US
[72] ZHANG, XIAOYU, US
[72] O'CONNOR, DEVIN, US
[71] PAIRWISE PLANTS SERVICES, INC., US
[85] 2024-02-12
[86] 2022-08-16 (PCT/US2022/074991)
[87] (WO2023/023496)
[30] US (63/234,000) 2021-08-17

[21] 3,229,225
[13] A1

[51] Int.Cl. B25J 9/00 (2006.01) A45F 3/12 (2006.01)
[25] EN
[54] WEIRING DEVICE AND METHOD
[54] DISPOSITIF DE SUPPORT ET PROCEDE
[72] HOLSTEN-STUEHMER, ESTHER, DE
[71] FESTOOL GMBH, DE
[85] 2024-02-13
[86] 2022-08-12 (PCT/EP2022/072714)
[87] (WO2023/017171)
[30] DE (10 2021 208 906.2) 2021-08-13

[21] 3,229,226
[13] A1

[51] Int.Cl. C07D 401/12 (2006.01) A61K 31/4545 (2006.01)
[25] EN
[54] ARYL SULFONYL COMPOUNDS AS CCR6 INHIBITORS
[54] COMPOSES D'ARYLSULFONYLE EN TANT QU'INHIBITEURS DE CCR6
[72] ZHANG, PENGLIE, US
[72] MARSHALL, DANIEL R., US
[72] ROTH, HOWARD S., US
[72] HARLAND, AUBRIE, US
[71] CHEMOCENTRYX, INC., US
[85] 2024-02-12
[86] 2022-08-17 (PCT/US2022/075047)
[87] (WO2023/023534)
[30] US (63/234,274) 2021-08-18

[21] 3,229,228
[13] A1

[51] Int.Cl. A61K 8/64 (2006.01) A61K 8/44 (2006.01) A61K 8/67 (2006.01) A61K 8/92 (2006.01) A61Q 11/00 (2006.01)
[25] EN
[54] ORAL CARE COMPOSITIONS FOR GUM HEALTH
[54] COMPOSITIONS DE SOINS BUCCAUX POUR FAVORISER LA SANTE DE LA GENCIVE
[72] BIESBROCK, AARON REED, US
[72] SHI, YUNMING, CN
[72] STRAND, ROSS, SG
[71] PROCTER & GAMBLE COMPANY, US
[85] 2024-02-13
[86] 2021-08-23 (PCT/CN2021/113981)
[87] (WO2023/023886)

[21] 3,229,230
[13] A1

[51] Int.Cl. B25J 9/00 (2006.01) A47L 5/36 (2006.01)
[25] EN
[54] ELECTRICALLY OPERABLE DEVICE AND METHOD
[54] APPAREIL A COMMANDE ELECTRIQUE ET PROCEDE
[72] WEIDNER, ROBERT, DE
[72] ARGUBI-WOLLESEN, ANDREAS, DE
[72] OTTEN, BERNWARD, DE
[72] ENDER, DOMINIC RICHARD, DE
[72] HIPP, BJORN, DE
[71] FESTOOL GMBH, DE
[85] 2024-02-13
[86] 2022-08-12 (PCT/EP2022/072715)
[87] (WO2023/017172)
[30] DE (10 2021 208 904.6) 2021-08-13

[21] 3,229,233
[13] A1

[51] Int.Cl. F25B 15/14 (2006.01) B01D 53/26 (2006.01) F25B 37/00 (2006.01)
[25] EN
[54] LIQUID DESICCANT ABSORPTION CHILLER
[54] REFROIDISSEUR D'ABSORPTION DE DESHYDRATANT LIQUIDE
[72] GE, GAOMING, CA
[72] LEPOUDRE, PHILIP PAUL, CA
[71] NORTEK AIR SOLUTIONS CANADA, INC., CA
[85] 2024-02-13
[86] 2022-08-11 (PCT/CA2022/051226)
[87] (WO2023/015394)
[30] US (63/233,083) 2021-08-13

PCT Applications Entering the National Phase

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<p style="text-align: right;">[21] 3,229,235</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A43B 3/24 (2006.01) C08J 9/22 (2006.01)</p> <p>[25] EN</p> <p>[54] DYNAMICALLY CROSSLINKABLE POLYMERIC COMPOSITIONS, ARTICLES, AND METHODS THEREOF</p> <p>[54] COMPOSITIONS POLYMERES DYNAMIQUEMENT RETICULABLES, ARTICLES ET PROCEDES ASSOCIES</p> <p>[72] SANSON, MURILO LAUER, BR</p> <p>[72] MCLOUGHLIN, KIMBERLY MILLER, US</p> <p>[72] MOHAMMADI, HADI, US</p> <p>[72] SEBASTIAO DOMINGUES JUNIOR, NEI, BR</p> <p>[72] DE AZEREDO, ANA PAULA, BR</p> <p>[72] SING, MICHELLE KAY, US</p> <p>[72] RASIA, GISELE MARSCHNER, BR</p> <p>[72] MAUSS, CRISTIANE JACQUELINE, BR</p> <p>[72] GOMES, CARMEN ROSANE ISSE, BR</p> <p>[72] BRITO, KARIN JANETE STEIN, BR</p> <p>[72] COFFERRI, PATRICIA, BR</p> <p>[71] BRASKEM SA, BR</p> <p>[85] 2024-02-16</p> <p>[86] 2022-09-01 (PCT/IB2022/020064)</p> <p>[87] (WO2023/031676)</p> <p>[30] US (63/239,805) 2021-09-01</p>	<p style="text-align: right;">[21] 3,229,237</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B25J 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] EXOSKELETON AND METHOD</p> <p>[54] EXOSQUELETTE ET PROCEDE</p> <p>[72] HAMMER, JAN, DE</p> <p>[72] ARGUBI-WOLLESEN, ANDREAS, DE</p> <p>[72] OTTEN, BERNWARD, DE</p> <p>[72] WEIDNER, ROBERT, DE</p> <p>[72] FETHKE, MAURITZ, DE</p> <p>[72] HOLSTEN-STUEHMER, ESTHER, DE</p> <p>[71] FESTOOL GMBH, DE</p> <p>[85] 2024-02-13</p> <p>[86] 2022-08-12 (PCT/EP2022/072718)</p> <p>[87] (WO2023/017175)</p> <p>[30] DE (10 2021 208 909.7) 2021-08-13</p>	<p style="text-align: right;">[21] 3,229,241</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B25J 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] EXOSKELETON DEVICE AND METHOD</p> <p>[54] ENSEMBLE EXOSQUELETTE ET PROCEDE</p> <p>[72] WEIDNER, ROBERT, DE</p> <p>[72] OTTEN, BERNWARD, DE</p> <p>[71] FESTOOL GMBH, DE</p> <p>[85] 2024-02-13</p> <p>[86] 2022-08-12 (PCT/EP2022/072719)</p> <p>[87] (WO2023/017176)</p> <p>[30] DE (10 2021 208 900.3) 2021-08-13</p>
<p style="text-align: right;">[21] 3,229,239</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] POLYNUCLEOTIDE INCLUDING SITE-SPECIFIC NUCLEASE EXPRESSION CASSETTE</p> <p>[54]</p> <p>[72] NIWA, MASAKI, JP</p> <p>[72] KOBAYASHI, TAKEHITO, JP</p> <p>[72] SAWAI, YU, JP</p> <p>[72] OKUDA, ATSUSHI, JP</p> <p>[71] GRA&GREEN INC., JP</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-19 (PCT/JP2022/031362)</p> <p>[87] (WO2023/022226)</p> <p>[30] JP (2021-134908) 2021-08-20</p>	<p style="text-align: right;">[21] 3,229,239</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] EXOSKELETON AND PROCEDURE</p> <p>[54] EXOSQUELETTE ET PROCEDE</p> <p>[72] LUGGER, JOHANNES, DE</p> <p>[72] HAMMER, JAN, DE</p> <p>[72] BUNNIK, EDWIN, DE</p> <p>[72] OTTEN, BERNWARD, DE</p> <p>[71] FESTOOL GMBH, DE</p> <p>[85] 2024-02-13</p> <p>[86] 2022-08-12 (PCT/EP2022/072720)</p> <p>[87] (WO2023/017177)</p> <p>[30] DE (10 2021 208 907.0) 2021-08-13</p>	<p style="text-align: right;">[21] 3,229,243</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B25J 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] EXOSKELETON AND PROCEDURE</p> <p>[54] EXOSQUELETTE ET PROCEDE</p> <p>[72] LUGGER, JOHANNES, DE</p> <p>[72] HAMMER, JAN, DE</p> <p>[72] BUNNIK, EDWIN, DE</p> <p>[72] OTTEN, BERNWARD, DE</p> <p>[71] FESTOOL GMBH, DE</p> <p>[85] 2024-02-13</p> <p>[86] 2022-08-12 (PCT/EP2022/072720)</p> <p>[87] (WO2023/017177)</p> <p>[30] DE (10 2021 208 907.0) 2021-08-13</p>

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[21] **3,229,244**
[13] A1

[51] Int.Cl. C07K 14/47 (2006.01)
 [25] EN
[54] INCREASE OF PROTEIN EXPRESSION AND SECRETION BY ARTIFICIAL CO-EXPRESSION OF HDLBP/VIGILIN
[54] AUGMENTATION D'EXPRESSION ET DE SECRÉTION DE PROTEINES PAR CO-EXPRESSION ARTIFICIELLE DE HDLBP/VIGILINE
 [72] LANDTHALER, MARKUS, DE
 [72] ZINNALL, ULRIKE, DE
 [72] MINIA, IGOR, DE
 [71] MAX DELBRUCK-CENTRUM FÜR MOLEKULARE MEDIZIN, DE
 [71] HUMBOLDT-UNIVERSITÄT ZU BERLIN, DE
 [85] 2024-02-16
 [86] 2022-08-18 (PCT/EP2022/073116)
 [87] (WO2023/030914)
 [30] EP (21191935.2) 2021-08-18

[21] **3,229,245**
[13] A1

[25] EN
[54] CANCER THERAPEUTIC AGENT
[54] AGENT THÉRAPEUTIQUE POUR LE CANCER
 [72] HARADA, NAOZUMI, JP
 [72] AKIYOSHI, KAZUNARI, JP
 [72] SAWADA, SHIN-ICHI, JP
 [72] MURAOKA, DAISUKE, JP
 [71] UNITED IMMUNITY, CO., LTD., JP
 [85] 2024-02-16
 [86] 2022-08-16 (PCT/JP2022/030928)
 [87] (WO2023/022141)
 [30] JP (2021-132504) 2021-08-17
 [30] JP (2022-109018) 2022-07-06

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[13] A1

[51] Int.Cl. A22C 25/08 (2006.01) A22C 17/00 (2006.01) B65G 11/20 (2006.01) B65G 15/00 (2006.01) B65G 47/71 (2006.01) B65G 47/76 (2006.01)
 [25] EN
[54] HANDLING INSTALLATION, FOOD PROCESSING INSTALLATION, AND METHOD FOR HANDLING FOOD ITEMS
[54] INSTALLATION DE MANUTENTION, INSTALLATION DE TRANSFORMATION D'ALIMENTS ET PROCÉDÉ DE MANUTENTION D'ARTICLES ALIMENTAIRES
 [72] ERLINGSSON, HILMAR, IS
 [72] HARALDSSON, SVERRIR, IS
 [72] GENUTIS, SAULIUS, IS
 [72] ARNORSSON, ULFAR KARL, IS
 [72] HJALMARSSON, HELGI, IS
 [71] VALKA EHF., IS
 [85] 2024-02-13
 [86] 2022-08-18 (PCT/EP2022/073081)
 [87] (WO2023/021139)

[21] **3,229,249**
[13] A1

[51] Int.Cl. C07K 16/24 (2006.01) A61K 39/00 (2006.01)
 [25] EN
[54] TREATMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITH AN ANTI-INTERLEUKIN-33 ANTIBODY
[54] TRAITEMENT DE LA BRONCHOPNEUMOPATHIE CHRONIQUE OBSTRUCTIVE AVEC UN ANTICORPS ANTI-INTERLEUKINE-33
 [72] SADIQ, MUHAMMAD WAQAS, SE
 [72] LOZANO, EULALIA JIMENEZ, ES
 [71] MEDIMMUNE LIMITED, GB
 [85] 2024-02-13
 [86] 2022-08-26 (PCT/EP2022/073766)
 [87] (WO2023/025932)
 [30] US (63/237,630) 2021-08-27
 [30] US (63/364,734) 2022-05-16

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[13] A1

[51] Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) C07K 16/22 (2006.01) C12N 15/13 (2006.01)
 [25] EN
[54] ANTI-VEGF A AND -VEGF C BISPECIFIC ANTIBODY AND USE THEREOF
[54] ANTICORPS BISPECIFIQUE ANTI-VEGF A ET ANTI-VEGF C ET SON UTILISATION
 [72] LI, YIMING, CN
 [72] HU, SIYI, CN
 [72] CHEN, BINGLIANG, CN
 [72] ZHOU, SHUAIXIANG, CN
 [71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN
 [85] 2024-02-13
 [86] 2022-08-11 (PCT/CN2022/111717)
 [87] (WO2023/016516)
 [30] CN (202110932078.7) 2021-08-13

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[51] Int.Cl. C07K 14/54 (2006.01) A61K 47/68 (2017.01) C07K 16/24 (2006.01)
 [25] EN
[54] INTERLEUKIN-12 VARIANTS AND METHODS OF USE
[54] VARIANTS DE L'INTERLEUKINE-12 ET LEURS MÉTHODES D'UTILISATION
 [72] RING, AARON, US
 [72] HUCK, JOHN, US
 [71] YALE UNIVERSITY, US
 [85] 2024-02-16
 [86] 2022-08-16 (PCT/US2022/075002)
 [87] (WO2023/023503)
 [30] US (63/233,511) 2021-08-16

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[21] 3,229,255

[13] A1

- [51] Int.Cl. A63F 13/69 (2014.01) A63F 13/70 (2014.01) G06F 8/65 (2018.01)
 - [25] EN
 - [54] QUALITY ASSURANCE GAME BOTS FOR GAMING APPLICATIONS
 - [54] ASSURANCE DE LA QUALITE DES JOUEURS ROBOTS POUR LES APPLICATIONS DE JEU
 - [72] PEDERSEN, CHRISTOFFER HOLMGARD, DK
 - [72] MIKKELSEN, BENEDIKTE, DK
 - [72] TOGELIUS, JULIAN, US
 - [72] RISI, SEBASTIAN, DK
 - [71] MODL.AI APS, DK
 - [85] 2024-02-16
 - [86] 2022-08-17 (PCT/US2022/040560)
 - [87] (WO2023/027922)
 - [30] US (63/260,643) 2021-08-27
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[13] A1

- [51] Int.Cl. H04W 12/02 (2009.01) H04W 12/75 (2021.01) H04L 9/40 (2022.01) H04L 61/2596 (2022.01)
 - [25] EN
 - [54] PROTECTED PRE-ASSOCIATION STATION IDENTIFICATION
 - [54] IDENTIFICATION DE STATION DE PRE-ASSOCIATION PROTEGEE
 - [72] HAMILTON, MARK, US
 - [71] ARRIS ENTERPRISES LLC, US
 - [85] 2024-02-16
 - [86] 2022-05-19 (PCT/US2022/029987)
 - [87] (WO2023/022772)
 - [30] US (17/406,692) 2021-08-19
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[13] A1

- [25] EN
 - [54] ALPHA-BETA TI ALLOY WITH IMPROVED HIGH TEMPERATURE PROPERTIES
 - [54] ALLIAGE DE TI ALPHA-BETA PRESENTANT DES PROPRIETES A HAUTE TEMPERATURE AMELIOREES
 - [72] FANNING, JOHN C., US
 - [71] TITANIUM METALS CORPORATION, US
 - [85] 2024-02-16
 - [86] 2022-08-24 (PCT/US2022/041370)
 - [87] (WO2023/028140)
 - [30] US (63/236,363) 2021-08-24
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- [25] EN

[54] CYCLOPROPYL-(HETERO)ARYL SUBSTITUTED ETHYLSULPHONYL-PYRIDINE DERIVATIVES

- [54] DERIVES D'ETHYLSULFONYL-PYRIDINE A SUBSTITUTION CYCLOPROPYLE-(HETERO)ARYLE

- [72] HERLE, BART, DE
 - [72] KOOLMAN, HANNES FIEPKO, DE
 - [72] LONG, ALAN, US
 - [72] MEIER, ROBIN, DE
 - [72] YONEMURA, IKKI, JP
 - [72] GAGNEPAIN, JULIEN, DE
 - [71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
 - [71] NIHON NOHYAKU CO., LTD., JP
 - [85] 2024-02-13
 - [86] 2022-09-09 (PCT/EP2022/075115)
 - [87] (WO2023/036934)
 - [30] US (63/243,561) 2021-09-13
 - [30] EP (21198461.2) 2021-09-23
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[13] A1

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- [25] EN
- [54] OPEN PATH GAS DETECTOR BASED ON SPECTROMETER
- [54] DETECTEUR DE GAZ A TRAJET OUVERT BASE SUR UN SPECTROMETRE
- [72] BEN-ADERET, YOSSI, IL
- [72] SHEINTOP, UZZIEL, IL
- [71] SPECTRONIX LTD., IL
- [85] 2024-02-16
- [86] 2022-07-27 (PCT/US2022/038488)
- [87] (WO2023/022865)
- [30] US (63/234,839) 2021-08-19
- [30] US (17/708,671) 2022-03-30

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- [51] Int.Cl. G16H 30/20 (2018.01)
 - [25] EN
 - [54] MEDICAL FOLLICLES ASSESSMENT DEVICE
 - [54] DISPOSITIF D'EVALUATION DES FOLLICULES EN MEDECINE
 - [72] SONNENSCHEIN, ELAZAR, IL
 - [72] PAZ, ELIA, IL
 - [71] PULSEMORE LTD., IL
 - [85] 2024-02-16
 - [86] 2022-08-11 (PCT/IL2022/050879)
 - [87] (WO2023/026272)
 - [30] IL (285798) 2021-08-23
 - [30] IL (293114) 2022-05-18
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- [51] Int.Cl. A61F 2/58 (2006.01)
 - [25] EN
 - [54] PROSTHETIC HAVING INTERCHANGEABLE INTERNAL CARTRIDGES
 - [54] PROTHESE AYANT DES CARTOUCHES INTERNES INTERCHANGEABLES
 - [72] DUBRE, DARRYL, D., US
 - [71] DUBRE, DARRYL, D., US
 - [85] 2024-02-13
 - [86] 2021-08-13 (PCT/US2021/045961)
 - [87] (WO2023/018421)
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- [51] Int.Cl. G02B 23/12 (2006.01)
- [25] FR
- [54] NIGHT VISION DEVICE WITH INTEGRATED DISPLAY
- [54] DISPOSITIF DE VISION NOCTURNE AVEC AFFICHEUR INTEGRÉ
- [72] BONY, PIERRE-YVES, FR
- [72] LAURENT, NICOLAS, FR
- [72] DELTEL, GEOFFROY, FR
- [72] HIDDEMA, AREND, NL
- [71] PHOTONIS FRANCE, FR
- [85] 2024-02-16
- [86] 2022-10-28 (PCT/FR2022/052052)
- [87] (WO2023/073329)
- [30] FR (2111564) 2021-10-29

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<p>[21] 3,229,267 [13] A1</p> <p>[51] Int.Cl. G16H 10/60 (2018.01) G16H 20/17 (2018.01) G16H 40/67 (2018.01) G08B 21/24 (2006.01) G16H 10/65 (2018.01)</p> <p>[25] EN</p> <p>[54] FACILITATING ADHERENCE TO TASKS DESIGNED TO MAINTAIN OR IMPROVE HEALTH</p> <p>[54] FACILITATION DE L'ADHESION A DES TACHES CONCUES POUR PRESERVER OU AMELIORER LA SANTE</p> <p>[72] GALLEY, PAUL J., US</p> <p>[71] F. HOFFMANN-LA ROCHE AG, CH</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-17 (PCT/US2022/040536)</p> <p>[87] (WO2023/023109)</p> <p>[30] US (63/233,941) 2021-08-17</p>
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[51] Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01)
[25] EN
[54] IPSC-BASED VACCINE AS A PROPHYLACTIC AND THERAPEUTIC TREATMENT FOR CANCER
[54] VACCIN A BASE D'IPSC UTILISE EN TANT QUE TRAITEMENT PROPHYLACTIQUE ET THERAPEUTIQUE CONTRE LE CANCER
[72] KOOREMAN, NIGEL, US
[72] WOLPE, STEPHEN, US
[72] BUI, LYNNE, US
[71] KHLORIS BIOSCIENCES, INC., US
[85] 2024-02-13
[86] 2022-08-13 (PCT/US2022/040273)
[87] (WO2023/019000)
[30] US (63/233,132) 2021-08-13

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[13] A1

[51] Int.Cl. F16L 57/00 (2006.01)
[25] FR
[54] PROTECTOR FOR A THREADED END OF A TUBULAR COMPONENT
[54] PROTECTEUR D'UNE EXTREMITE FILETEE D'UN COMPOSANT TUBULAIRE
[72] GALLOIS, YANN, FR
[72] DAVID, DIDIER, FR
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2024-02-16
[86] 2022-09-27 (PCT/FR2022/051813)
[87] (WO2023/052720)
[30] FR (FR2110233) 2021-09-28

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[13] A1

[51] Int.Cl. E06B 3/46 (2006.01) E06B 3/36 (2006.01) E06B 3/50 (2006.01) E06B 9/04 (2006.01)
[25] EN
[54] AUTOMATIC DOOR WITH A HINGED SWINGING PARTIAL DOOR
[54] PORTE AUTOMATIQUE DOTEE D'UNE PORTE PARTIELLE OSCILLANTE PIVOTANTE
[72] WOLFE, JEFFREY, US
[72] EPKE, THOMAS, US
[71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
[85] 2024-02-16
[86] 2022-08-30 (PCT/EP2022/074091)
[87] (WO2023/031202)
[30] US (17/462,159) 2021-08-31

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[51] Int.Cl. A01N 59/16 (2006.01) A01N 25/12 (2006.01) A01N 25/22 (2006.01) A01N 59/20 (2006.01) A01P 1/00 (2006.01)
[25] EN
[54] POWDER DISINFECTANT COMPOSITIONS
[54] COMPOSITIONS DESINFECTANTES PULVERULENTES
[72] NANJEE, AMYN, US
[72] NANJEE, DANA, US
[72] PAWAR, GAJANAN, US
[72] TAHLAN, VARUN, US
[72] JOHNSON, TOM, US
[71] ONYX LOTUS, LLC, US
[85] 2024-02-13
[86] 2022-08-15 (PCT/US2022/040380)
[87] (WO2023/019029)
[30] US (63/309,964) 2022-02-14
[30] US (63/309,990) 2022-02-14

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[13] A1

[51] Int.Cl. C12N 9/10 (2006.01) C12N 15/113 (2010.01) C07K 14/15 (2006.01)
[25] EN
[54] ENGINEERED NUCLEOSIDE DEOXYRIBOSYLTRANSFERASE VARIANT ENZYMES
[54] ENZYMES VARIANTES DE DESOXYRIBOSYLTRANSFERASE DE NUCLEOSIDES MODIFIES
[72] BORRA-GARSKE, MARGIE TABUGA, US
[72] ALVIZO, OSCAR, US
[72] MILLER, LILLIAN JASMINE, US
[72] PETKOVA, AKSINIYA LYUBENOVA, US
[72] HUFFMAN, MARK, US
[72] RODRIGUEZ-GRANILLO, AGUSTINA, US
[71] CODEXIS, INC., US
[85] 2024-02-13
[86] 2022-08-10 (PCT/US2022/074775)
[87] (WO2023/019178)
[30] US (63/232,725) 2021-08-13

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[13] A1

[51] Int.Cl. C12N 5/00 (2006.01) A61K 9/00 (2006.01) A61L 15/00 (2006.01)
[25] EN
[54] MACROENCAPSULATION DEVICES
[54] DISPOSITIFS DE MACROENCAPSULATION
[72] THANOS, CHRISTOPHER, US
[72] MILLS, JOHN, US
[72] WATSON, MATTHEW, US
[72] RAJENDRAN, RAHUL R., US
[72] NGUYEN, NOAH, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2024-02-13
[86] 2022-08-16 (PCT/US2022/040393)
[87] (WO2023/023006)
[30] US (63/233,667) 2021-08-16

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 - [25] EN
 - [54] APPARATUS AND METHOD FOR IRRADIATION
 - [54] APPAREIL ET PROCEDE D'IRRADIATION
 - [72] PAGAN, JENNIFER GODWIN, US
 - [72] PUGH, STEVEN FRANKLIN, US
 - [72] SIMONS, RICHARD MARK, GB
 - [71] AQUISENSE TECHNOLOGIES LLC, US
 - [85] 2024-02-13
 - [86] 2022-09-02 (PCT/US2022/042438)
 - [87] (WO2023/034558)
 - [30] US (17/466,251) 2021-09-03
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- [25] EN
- [54] FUNGICIDAL SUBSTITUTED HETEROCYCLES
- [54] HETEROCYCLES SUBSTITUES FONGICIDES
- [72] HIE, LIANA, US
- [72] LONG, JEFFREY KEITH, US
- [72] AKWABOAH, DANIEL, US
- [72] REDDY, RAVISEKHARA P., US
- [72] SHARPE, PAULA LOUISE, US
- [72] STEVENSON, THOMAS MARTIN, US
- [72] WHITE, ALEXANDER ROBERT, US
- [71] FMC CORPORATION, US
- [85] 2024-02-13
- [86] 2022-08-18 (PCT/US2022/040739)
- [87] (WO2023/023242)
- [30] US (63/234,447) 2021-08-18

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- [51] Int.Cl. E21C 35/24 (2006.01) E21C 41/16 (2006.01) E21C 41/26 (2006.01)
 - [25] EN
 - [54] A MINING OPERATION
 - [54] OPERATION D'EXPLOITATION MINIERE
 - [72] OPPOLZER, FLORIAN ANDREAS, AU
 - [72] MAH, PETER SIEW HUN, AU
 - [72] BROWN, ANNE KATHRYN, AU
 - [71] TECHNOLOGICAL RESOURCES PTY. LIMITED, AU
 - [85] 2024-02-16
 - [86] 2022-08-25 (PCT/AU2022/051032)
 - [87] (WO2023/023804)
 - [30] AU (2021221760) 2021-08-25
 - [30] AU (2021221812) 2021-08-25
 - [30] AU (2021221826) 2021-08-25
 - [30] AU (2021221840) 2021-08-25
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[13] A1

- [51] Int.Cl. A61K 51/10 (2006.01) A61P 35/02 (2006.01) C07K 16/28 (2006.01)
- [25] EN
- [54] RADIOIMMUNOCONJUGATES TARGETING CALRETICULIN FOR USE IN THE TREATMENT OF CANCER
- [54] RADIOIMMUNOCONJUGUES CIBLANT LA CALRETICULINE DESTINES A ETRE UTILISES DANS LE TRAITEMENT DU CANCER
- [72] LUDWIG, DALE L., US
- [72] SETH, SANDESH, US
- [71] ACTINIUM PHARMACEUTICALS, INC., US
- [85] 2024-02-16
- [86] 2022-08-16 (PCT/US2022/075017)
- [87] (WO2023/023512)
- [30] US (63/233,577) 2021-08-16

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[13] A1

- [51] Int.Cl. A61K 9/127 (2006.01) A61K 47/50 (2017.01) A61K 31/4745 (2006.01) C12N 15/00 (2006.01) C12N 15/52 (2006.01)
 - [25] EN
 - [54] RNA BINDING AND STABILISING CATIONIC LIPOSOME, ITS APPLICATION AND METHOD OF LOADING THE LIPOSOME WITH EMETINE
 - [54] LIPOSOME CATIONIQUE DE FIXATION ET DE STABILISATION D'ARN, SON APPLICATION ET PROCEDE DE CHARGEMENT DU LIPOSOME AVEC DE L'EMETINE
 - [72] SWIECH, OLGA, PL
 - [71] BS BIOTECHNA SPOLKA AKCYJNA, PL
 - [85] 2024-02-13
 - [86] 2022-08-15 (PCT/PL2022/000046)
 - [87] (WO2023/022615)
 - [30] PL (P.438742) 2021-08-14
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[13] A1

- [51] Int.Cl. E21B 19/16 (2006.01)
- [25] EN
- [54] SEMI-AUTOMATIC OR AUTOMATIC CONTROL OF DRILLING TOOL CHANGING SYSTEM
- [54] COMMANDE SEMI-AUTOMATIQUE OU AUTOMATIQUE DE SYSTEME DE CHANGEMENT D'OUTIL DE FORAGE
- [72] BENDER, LUKE, US
- [72] MAESTAS, GAVIN, US
- [72] WILKIN, TAYLOR, US
- [72] FOSLER, MATTHEW, US
- [72] PERICHARLA, SAMYUKTHA, US
- [72] BERENS, TYLER, US
- [71] EPIROC DRILLING SOLUTIONS LLC, US
- [85] 2024-02-16
- [86] 2022-08-23 (PCT/US2022/041173)
- [87] (WO2023/028033)
- [30] US (63/235,855) 2021-08-23

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[21] 3,229,292
[13] A1

[51] Int.Cl. A01N 1/02 (2006.01)
[25] EN
[54] IMMUNE-REDUCED CROSS-CIRCULATION CIRCUIT
[54] CIRCUIT DE CIRCULATION CROISEE A REDUCTION IMMUNITAIRE
[72] WU, WEI K., US
[72] BACCHETTA, MATTHEW, US
[72] ALEXOPOULOS, SOPHOCLIS, US
[72] STOKES, JOHN W., US
[72] UKITA, REI, US
[72] PATEL, YATRIK J., US
[71] VANDERBILT UNIVERSITY, US
[85] 2024-02-16
[86] 2022-08-19 (PCT/US2022/040942)
[87] (WO2023/023361)
[30] US (63/235,392) 2021-08-20

[21] 3,229,293
[13] A1

[51] Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01)
[25] EN
[54] 6-AZA-QUINOLINE DERIVATIVES AND RELATED USES
[54] DERIVES DE 6-AZA-QUINOLEINE ET UTILISATIONS ASSOCIEES
[72] NG, PUI YEE, US
[72] JEWETT, IVAN, US
[72] PADILLA, FERNANDO, US
[71] BLACK DIAMOND THERAPEUTICS, INC., US
[85] 2024-02-16
[86] 2022-09-09 (PCT/US2022/076164)
[87] (WO2023/039505)
[30] US (63/242,845) 2021-09-10
[30] US (63/351,158) 2022-06-10

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[13] A1

[51] Int.Cl. G16H 30/40 (2018.01) G16H 50/20 (2018.01) G16H 50/30 (2018.01) G16H 50/50 (2018.01) A61P 19/02 (2006.01) G01N 33/564 (2006.01)
[25] EN
[54] COMPOSITIONS AND METHODS FOR THE TREATMENT OF RHEUMATOID ARTHRITIS
[54] COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE LA POLYARTHRITE RHUMATOÏDE
[72] RALPH, DAVID A., US
[72] ROSOL, MICHAEL, US
[71] NAVIDEA BIOPHARMACEUTICALS, INC., US
[85] 2024-02-13
[86] 2022-08-19 (PCT/US2022/040908)
[87] (WO2023/023338)
[30] US (63/235,080) 2021-08-19

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[13] A1

[51] Int.Cl. H04W 74/08 (2024.01) H04W 24/08 (2009.01) H04W 84/12 (2009.01)
[25] EN
[54] METHOD AND DEVICE FOR SENSING-RELATED SETUP IN WIRELESS LAN SYSTEM
[54] PROCEDE ET DISPOSITIF DE CONFIGURATION ASSOCIEE A LA DETECTION DANS UN SYSTEME LAN SANS FIL
[72] JANG, INSUN, KR
[72] CHOI, JINSOO, KR
[72] LIM, DONGGUK, KR
[72] KIM, SANG GOOK, US
[71] LG ELECTRONICS INC., KR
[85] 2024-02-13
[86] 2022-08-12 (PCT/KR2022/012117)
[87] (WO2023/018297)
[30] US (63/232,643) 2021-08-13
[30] US (63/252,631) 2021-10-06
[30] US (63/270,057) 2021-10-21

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[51] Int.Cl. G06N 3/04 (2023.01) G06N 3/08 (2023.01)
[25] EN
[54] AUTOREGRESSIVELY GENERATING SEQUENCES OF DATA ELEMENTS DEFINING ACTIONS TO BE PERFORMED BY AN AGENT
[54] GENERATION AUTOREGRESSIVE DE SEQUENCES D'ELEMENTS DE DONNEES DEFINISSANT DES ACTIONS A EFFECTUER PAR UN AGENT
[72] REED, SCOTT ELLISON, US
[72] ZOLNA, KONRAD, GB
[72] PARISOTTO, EMILIO, GB
[72] EREZ, TOM, GB
[72] NOVIKOV, ALEXANDER, GB
[72] RAE, JACK WILLIAM, GB
[72] DENIL, MISHA MAN RAY, GB
[72] GOMES DE FREITAS, JOAO FERDINANDO, GB
[72] VINYALS, ORIOL, GB
[72] GOMEZ, SERGIO, GB
[72] EDWARDS, ASHLEY DELORIS, GB
[72] BRUCE, JACOB, GB
[72] BARTH-MARON, GABRIEL, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2024-02-16
[86] 2022-08-12 (PCT/EP2022/072731)
[87] (WO2023/025607)
[30] US (17/410,689) 2021-08-24
[30] US (63/341,343) 2022-05-12

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[13] A1

[25] EN
[54] OCULAR DEVICE AND METHODS
[54] DISPOSITIF OCULAIRE ET PROCEDES
[72] CSAKY, KARL, US
[72] GIOIA, PHILIP, US
[71] VINCI PHARMACEUTICALS, INC., US
[85] 2024-02-16
[86] 2022-08-26 (PCT/US2022/075538)
[87] (WO2023/028600)
[30] US (63/260,621) 2021-08-26
[30] US (63/397,202) 2022-08-11

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[13] A1

[51] Int.Cl. C07D 417/12 (2006.01) A01N
43/82 (2006.01) A01P 13/02 (2006.01)

[25] EN

[54] **SUBSTITUTED 1,2,4-THIADIAZOLYL NICOTINAMIDES, SALTS OR N-OXIDES THEREOF AND THEIR USE AS HERBICIDALLY ACTIVE SUBSTANCES**

[54] **1,2,4-THIADIAZOLYL NICOTINAMIDES SUBSTITUES, LEURS SELS OU N-OXYDES ET LEUR UTILISATION COMME SUBSTANCES ACTIVES HERBICIDES**

[72] BARBER, DAVID MICHAEL, DE
[72] AMETOVSKI, JHI, DE
[72] SCHNATTERER, STEFAN, DE
[72] MACHETTIRA, ANU BHEEMAIAH, DE
[72] ASMUS, ELISABETH, DE
[72] GATZWEILER, ELMAR, DE
[72] SCHMUTZLER, DIRK, DE
[72] REINGRUBER, ANNA MARIA, DE
[72] BOLLENBACH-WAHL, BIRGIT, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2024-02-14
[86] 2022-08-12 (PCT/EP2022/072676)
[87] (WO2023/020963)
[30] EP (21191682.0) 2021-08-17

[21] 3,229,299

[13] A1

[51] Int.Cl. C07D 417/12 (2006.01) A01N
43/82 (2006.01) A01P 13/00 (2006.01)
A01P 21/00 (2006.01)

[25] EN

[54] **SUBSTITUTED 1,2,4-THIADIAZOLYL NICOTINAMIDES, SALTS OR N-OXIDES THEREOF AND THEIR USE AS HERBICIDALLY ACTIVE SUBSTANCES**

[54] **1,2,4-THIADIAZOLYL NICOTINAMIDES SUBSTITUES, LEURS SELS OU N-OXYDES ET LEUR UTILISATION COMME SUBSTANCES ACTIVES HERBICIDES**

[72] BARBER, DAVID MICHAEL, DE
[72] AMETOVSKI, JHI, DE
[72] SCHNATTERER, STEFAN, DE
[72] SCHMUTZLER, DIRK, DE
[72] REINGRUBER, ANNA MARIA, DE
[72] BOLLENBACH-WAHL, BIRGIT, DE
[72] ASMUS, ELISABETH, DE
[72] ROTH, SINA, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2024-02-14
[86] 2022-08-12 (PCT/EP2022/072678)
[87] (WO2023/020964)
[30] EP (21191685.3) 2021-08-17

[21] 3,229,302

[13] A1

[51] Int.Cl. C07K 7/06 (2006.01)

[25] EN

[54] **NOVEL CATHEPSIN INHIBITORS**

[54] **NOUVEAUX INHIBITEURS DE CATHEPSINE**

[72] ORICCHIO, ELISA, CH

[72] PETRUZZELLA, AARON, CH

[72] CORREIA, BRUNO, CH

[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH

[85] 2024-02-16

[86] 2022-08-19 (PCT/EP2022/073211)

[87] (WO2023/021190)

[30] EP (21192338.8) 2021-08-20

[21] 3,229,303

[13] A1

[25] EN

[54] **MODULATION OF WNT SIGNALLING IN PULMONARY DISORDERS**

[54] **MODULATION DE LA SIGNALISATION WNT DANS DES TROUBLES PULMONAIRES**

[72] FLETCHER, RUSSELL, US

[72] LAI, KUO-PAO, US

[72] LI, YANG, US

[72] YEH, WEN-CHEN, US

[71] SURROZEN OPERATING, INC., US

[85] 2024-02-16

[86] 2022-09-14 (PCT/US2022/076437)

[87] (WO2023/044348)

[30] US (63/244,071) 2021-09-14

[30] US (63/346,738) 2022-05-27

[21] 3,229,300

[13] A1

[51] Int.Cl. F04B 53/00 (2006.01) F04D
29/00 (2006.01) H02H 7/08 (2006.01)

[25] EN

[54] **POWER FEEDING APPARATUS AND POWER FEEDING METHOD FOR SUBMERSIBLE PUMP**

[54] **DISPOSITIF D'ALIMENTATION ELECTRIQUE ET PROCEDE D'ALIMENTATION ELECTRIQUE POUR POMPE IMMERGEE**

[72] HONDA, SHUICHIRO, JP

[72] KASATANI, TETSUJI, JP

[72] IKEDA, HAYATO, JP

[72] IWAMI, MITSUTAKA, JP

[72] WATAJI, KEI, JP

[72] KIKUCHI, HYUGA, JP

[71] EBARA CORPORATION, JP

[85] 2024-02-13

[86] 2022-08-09 (PCT/JP2022/030385)

[87] (WO2023/022061)

[30] JP (2021-132901) 2021-08-17

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[21] 3,229,304
[13] A1

- [51] Int.Cl. G06F 21/50 (2013.01)
- [25] EN
- [54] SECURE VISUAL AND COMPUTATIONAL BOUNDARY FOR A SUBSET OF RESOURCES ON A COMPUTING MACHINE
- [54] FRONTIERE VISUELLE ET INFORMATIQUE SECURISEE POUR UN SOUS-ENSEMBLE DE RESSOURCES SUR UNE MACHINE INFORMATIQUE
- [72] OSIPOV, ALEKSANDR, US
- [72] KAZAKEVICH, JACOB, US
- [72] MATALON, DAVID, US
- [72] CHERMYANIN, ALEXANDER, TR
- [72] SEDUNOV, ALEKSANDR, TR
- [71] VENN TECHNOLOGY CORPORATION, US
- [85] 2024-02-16
- [86] 2022-08-19 (PCT/US2022/040928)
- [87] (WO2023/023352)
- [30] US (63/260,408) 2021-08-19
- [30] US (17/890,798) 2022-08-18

[21] 3,229,305
[13] A1

- [51] Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)
- [25] EN
- [54] OLIGONUCLEOTIDES FOR MODULATING SYNAPTOGYRIN-3 EXPRESSION
- [54] OLIGONUCLEOTIDES POUR MODULER L'EXPRESSION DE LA SYNAPTOGYRINE-3
- [72] VERSTREKEN, PATRIK, BE
- [72] SANTOS, ANA RITA, BE
- [71] VIB VZW, BE
- [71] KATHOLIEKE UNIVERSITEIT LEUVEN, K.U.LEUVEN R&D, BE
- [71] JAY THERAPEUTICS, BE
- [85] 2024-02-14
- [86] 2022-08-16 (PCT/EP2022/072878)
- [87] (WO2023/021046)
- [30] EP (21191496.5) 2021-08-16

[21] 3,229,306
[13] A1

- [51] Int.Cl. C10M 157/06 (2006.01) C10M 157/08 (2006.01)
- [25] EN
- [54] METHOD OF LUBRICATING AN AUTOMOTIVE OR INDUSTRIAL GEAR
- [54] PROCEDE DE LUBRIFICATION D'UN ENGRENAGE AUTOMOBILE OU INDUSTRIEL
- [72] FILIPPINI, BRIAN B., US
- [72] BARTON, WILLIAM R.S., GB
- [71] THE LUBRIZOL CORPORATION, US
- [85] 2024-02-16
- [86] 2022-08-12 (PCT/US2022/040164)
- [87] (WO2023/022931)
- [30] US (63/233,952) 2021-08-17

[21] 3,229,307
[13] A1

- [25] EN
- [54] TOPOGRAPHICAL PLAYGROUND STRUCTURES,A STRUCTURAL FRAMEWORK THEREOF, AND A METHOD OF MAKING THE TOPOGRAPHICAL STRUCTURES
- [54] STRUCTURES TOPOGRAPHIQUES DE TERRAIN DE JEU, CADRE STRUCTURAL CONNEXE ET METHODE DE FABRICATION DE STRUCTURES TOPOGRAPHIQUES
- [72] NORQUIST, THOMAS ROBERT, US
- [72] LAU, TIN-MAN, US
- [72] MATHIS, ELISABETH, US
- [71] PLAYCORE WISCONSIN, INC., US
- [85] 2024-02-16
- [86] 2022-08-17 (PCT/US2022/040563)
- [87] (WO2023/023130)
- [30] US (63/234,985) 2021-08-19

[21] 3,229,308
[13] A1

- [51] Int.Cl. C10M 157/06 (2006.01) C10M 157/08 (2006.01)
- [25] EN
- [54] METHOD OF LUBRICATING AN AUTOMOTIVE OR INDUSTRIAL GEAR
- [54] PROCEDE DE LUBRIFICATION D'UN ENGRENAGE AUTOMOBILE OU INDUSTRIEL
- [72] FILIPPINI, BRIAN B., US
- [72] BARTON, WILLIAM R.S., GB
- [71] THE LUBRIZOL CORPORATION, US
- [85] 2024-02-16
- [86] 2022-08-12 (PCT/US2022/040162)
- [87] (WO2023/022930)
- [30] US (63/233,952) 2021-08-17

[21] 3,229,309
[13] A1

- [51] Int.Cl. C10G 1/10 (2006.01) C10G 9/36 (2006.01) C10G 11/18 (2006.01) C10G 17/02 (2006.01) C10G 19/02 (2006.01) C10G 31/08 (2006.01) C10G 31/09 (2006.01) C10G 31/10 (2006.01) C10G 45/08 (2006.01) C10G 45/38 (2006.01) C10G 55/04 (2006.01) C10G 67/10 (2006.01)
- [25] FR
- [54] METHOD FOR PURIFYING HYDROCARBON FEEDSTOCK IN AN AQUEOUS MEDIUM AND USE THEREOF
- [54] PROCEDE DE PURIFICATION DE CHARGE HYDROCARBONEE EN MILIEU AQUEUX ET UTILISATION
- [72] COUSTHAM, THOMAS, FR
- [72] LEGRAND, CHRISTINE, FR
- [72] COULOMBEAU-LEROY, HELENE, FR
- [72] HAUDEBOURG, DIDRIK, FR
- [71] TOTALENERGIES ONE TECH, FR
- [85] 2024-02-16
- [86] 2022-07-26 (PCT/FR2022/051498)
- [87] (WO2023/037059)
- [30] FR (FR2109395) 2021-09-08

[21] 3,229,310
[13] A1

- [51] Int.Cl. A01N 63/40 (2020.01) A61L 27/34 (2006.01) A61L 31/10 (2006.01) A61L 31/16 (2006.01)
- [25] EN
- [54] PLASMA TREATMENT PROCESS AND APPARATUS THEREFOR
- [54] PROCEDE DE TRAITEMENT AU PLASMA ET APPAREIL ASSOCIE
- [72] CLARK, JASON RICHARD, GB
- [71] NEXABIOME LIMITED, GB
- [85] 2024-02-16
- [86] 2022-08-22 (PCT/EP2022/073345)
- [87] (WO2023/021221)
- [30] EP (21192432.9) 2021-08-20

Demandes PCT entrant en phase nationale

[21] 3,229,311
[13] A1

- [51] Int.Cl. E05F 15/70 (2015.01)
- [25] EN
- [54] **METHOD FOR MONITORING AN AUTOMATIC DOOR SYSTEM AS WELL AS SYSTEM WITH AN AUTOMATIC DOOR SYSTEM**
- [54] **PROCEDE DE SURVEILLANCE D'UN SYSTEME DE PORTE AUTOMATIQUE ET SYSTEME DOTE D'UN SYSTEME DE PORTE AUTOMATIQUE**
- [72] HAURI, MARCO, CH
- [71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
- [85] 2024-02-16
- [86] 2022-08-31 (PCT/EP2022/074180)
- [87] (WO2023/031261)
- [30] SE (2130233-6) 2021-08-31

[21] 3,229,314
[13] A1

- [51] Int.Cl. B65D 1/10 (2006.01) B65D 1/12 (2006.01) B65D 1/16 (2006.01)
- [25] EN
- [54] **CONTAINER APPARATUS**
- [54] **APPAREIL DE TYPE RECIPIENT**
- [72] KICK, MERRILEE, US
- [71] KICK, MERRILEE, US
- [85] 2024-02-16
- [86] 2022-08-30 (PCT/US2022/075632)
- [87] (WO2023/034774)
- [30] US (17/465,262) 2021-09-02

[21] 3,229,315
[13] A1

- [51] Int.Cl. G06V 20/40 (2022.01) H04N 21/234 (2011.01) H04N 21/845 (2011.01) G06V 10/82 (2022.01) H04N 21/466 (2011.01) G06N 3/04 (2023.01)
- [25] EN
- [54] **METHODS AND SYSTEMS FOR DETECTING CONTENT WITHIN MEDIA STREAMS**
- [54] **PROCEDES ET SYSTEMES DE DETECTION DE CONTENU DANS DES FLUX MULTIMEDIAS**
- [72] SANJEEVAN CABEZA, KIRAN, US
- [71] VIZIO, INC., US
- [85] 2024-02-16
- [86] 2022-09-06 (PCT/US2022/042642)
- [87] (WO2023/038898)
- [30] US (63/241,446) 2021-09-07
- [30] US (63/278,415) 2021-11-11

[21] 3,229,316
[13] A1

- [51] Int.Cl. G01S 13/89 (2006.01) G05D 1/00 (2024.01) G06N 3/02 (2006.01) G10L 15/16 (2006.01) G10L 15/18 (2013.01) B64C 13/18 (2006.01) G08G 5/04 (2006.01) G10L 15/22 (2006.01)
- [25] EN
- [54] **ADVANCED FLIGHT PROCESSING SYSTEM AND/OR METHOD**
- [54] **SYSTEME ET/OU PROCEDE DE TRAITEMENT DE VOL AVANCE**
- [72] NAIMAN, ALEXANDER, US
- [72] COMER, CYNTHIA, US
- [72] CONNOLLY, MOLLY, US
- [71] MERLIN LABS, INC., US
- [85] 2024-02-16
- [86] 2022-08-19 (PCT/US2022/040919)
- [87] (WO2023/080947)
- [30] US (63/235,043) 2021-08-19

[21] 3,229,317
[13] A1

- [25] EN
- [54] **AMPHIPHILIC POLYAMPHOLYTES AND RELATED MEMBRANES**
- [54] **POLYAMPHOLYTES AMPHIPHILES ET MEMBRANES ASSOCIEES**
- [72] MAZZAFERRO, LUCA, US
- [72] ALEXIOU, AYSE ASATEKIN, US
- [71] TRUSTEES OF TUFTS COLLEGE, US
- [85] 2024-02-16
- [86] 2022-08-22 (PCT/US2022/041055)
- [87] (WO2023/023395)

[21] 3,229,318
[13] A1

- [51] Int.Cl. G06Q 10/08 (2023.01) G06F 40/40 (2020.01)
- [25] EN
- [54] **SYSTEMS AND METHODS FOR RECOMMENDING TASKS FOR EXECUTION BY THIRD PARTY SERVICES**
- [54] **SYSTEMES ET PROCEDES POUR RECOMMANDER DES TACHES POUR UNE EXECUTION PAR DES SERVICES TIERS**
- [72] MATSUOKA, YOKY, US
- [72] VISWANATHAN, NITIN, US
- [72] LIU, LINGYUN, US
- [72] DEMING, BENJAMIN, US
- [72] VAN DER LINDEN, GWENDOLYN W., US
- [72] BEAULIEU, MALIA, US
- [72] PATERSON, SEAN, US
- [71] YOHANA LLC, US
- [85] 2024-02-16
- [86] 2022-08-19 (PCT/US2022/075189)
- [87] (WO2023/023632)
- [30] US (63/234,856) 2021-08-19

[21] 3,229,319
[13] A1

- [51] Int.Cl. A61B 50/13 (2016.01) A61B 34/20 (2016.01) A61B 34/30 (2016.01) A61B 50/24 (2016.01) A61B 90/30 (2016.01) A61B 90/35 (2016.01) A61B 90/50 (2016.01)
- [25] EN
- [54] **POSITIONING SYSTEMS FOR ROBOTIC-SURGERY DEVICES**
- [54] **SYSTEMES DE POSITIONNEMENT POUR DISPOSITIFS DE CHIRURGIE ROBOTIQUE**
- [72] ROTEM, IDAN, IL
- [72] SOKOL, NELLY, IL
- [72] RON, ADAM, IL
- [72] MITSEL, PHILIP, IL
- [71] MOMENTIS SURGICAL LTD., IL
- [85] 2024-02-16
- [86] 2022-08-23 (PCT/IB2022/057894)
- [87] (WO2023/026191)
- [30] US (63/235,832) 2021-08-23

PCT Applications Entering the National Phase

<p>[21] 3,229,320 [13] A1</p> <p>[25] EN</p> <p>[54] SENSOR SYSTEM FOR GRAIN STORAGE DEVICES</p> <p>[54] SYSTEME DE CAPTEUR POUR DISPOSITIFS DE STOCKAGE DE GRAINS</p> <p>[72] KOCH, MATTHEW, US</p> <p>[72] SHROCK, DANIEL WAYNE, US</p> <p>[71] SUKUP MANUFACTURING COMPANY, US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-25 (PCT/US2022/041491)</p> <p>[87] (WO2023/028209)</p> <p>[30] US (63/237,565) 2021-08-27</p>
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<p>[21] 3,229,321 [13] A1</p> <p>[51] Int.Cl. B01J 20/32 (2006.01) B01J 20/34 (2006.01)</p> <p>[25] EN</p> <p>[54] MICROWAVE-ASSISTED, SILICA-BASED COMPOSITE DESICCANT DEHUMIDIFICATION METHOD AND SYSTEM</p> <p>[54] PROCEDE ET SYSTEME DE DESHUMIDIFICATION DE DESHYDRATANT COMPOSITE A BASE DE SILICE ASSISTEE PAR MICRO-ONDES</p> <p>[72] AKHTAR, FAHEEM HASSAN, SA</p> <p>[72] BURHAN, MUHAMMAD, SA</p> <p>[72] CHEN, QIAN, SA</p> <p>[72] NG, KIM CHOON, SA</p> <p>[72] SHAHZAD, MUHAMMAD WAKIL, SA</p> <p>[72] WANG, PENG, SA</p> <p>[72] YANG, KAIJIE, SA</p> <p>[72] YBYRAIYMKUL, DOSKHAN, SA</p> <p>[71] KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, SA</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-17 (PCT/IB2022/057705)</p> <p>[87] (WO2023/021438)</p> <p>[30] US (63/235,197) 2021-08-20</p> <p>[30] US (63/235,195) 2021-08-20</p>
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<p>[21] 3,229,322 [13] A1</p> <p>[51] Int.Cl. B60K 11/08 (2006.01) B60L 50/60 (2019.01) B60L 50/71 (2019.01)</p> <p>[25] EN</p> <p>[54] SYSTEM FOR THERMAL MANAGEMENT OF A GENERATOR</p> <p>[54] SYSTEME DE GESTION THERMIQUE D'UN GENERATEUR</p> <p>[72] WANG, LARRY, US</p> <p>[71] PLUG POWER INC., US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-23 (PCT/US2022/075346)</p> <p>[87] (WO2023/028484)</p> <p>[30] US (63/235,948) 2021-08-23</p>
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<p>[21] 3,229,326 [13] A1</p> <p>[51] Int.Cl. A41D 27/06 (2006.01) A41D 27/12 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPACT-RESISTANT CHEST PROTECTOR</p> <p>[54] ELEMENT DE PROTECTION DE POITRINE RESISTANT AUX CHOCKS</p> <p>[72] VITO, ROBERT A., US</p> <p>[71] MATSCITECHNO LICENSING COMPANY, US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-23 (PCT/US2022/041155)</p> <p>[87] (WO2023/028026)</p> <p>[30] US (17/410,250) 2021-08-24</p>
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<p>[21] 3,229,324 [13] A1</p> <p>[51] Int.Cl. A61K 47/64 (2017.01) A61P 37/06 (2006.01) C07K 14/54 (2006.01)</p> <p>[25] EN</p> <p>[54] mRNA VACCINES COMPRISING IL-4 AND/OR IL-13 RNA AND USES THEREOF</p> <p>[54] VACCINS A ARNm COMPRENANT DE L'ARN IL-4 ET/OU IL-13 ET UTILISATIONS ASSOCIEES</p> <p>[72] DROUET, BEATRICE, FR</p> <p>[72] DHELLIN, OLIVIER, FR</p> <p>[72] FANGET, BERNARD, FR</p> <p>[72] GAUTHIER, FLORIAN, FR</p> <p>[72] SERRA, VINCENT, FR</p> <p>[71] NEOVACS, FR</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-19 (PCT/EP2022/073222)</p> <p>[87] (WO2023/021195)</p> <p>[30] EP (21306131.0) 2021-08-20</p> <p>[30] US (63/235,351) 2021-08-20</p>
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<p>[21] 3,229,327 [13] A1</p> <p>[51] Int.Cl. C07K 16/28 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTIBODIES AND ANTIGEN BINDING FRAGMENTS AGAINST CD155 METHODS OF USE THEREOF</p> <p>[54] ANTICORPS ET FRAGMENTS DE LIAISON A L'ANTIGENE DIRIGES CONTRE CD155 ET LEURS METHODES D'UTILISATION</p> <p>[72] KARIM, AFTAB S., US</p> <p>[72] HOLGATE, ROBERT, GB</p> <p>[72] HEARN, ARRON, GB</p> <p>[71] TASRIF PHARMACEUTICAL, LLC, US</p> <p>[85] 2024-02-16</p> <p>[86] 2021-08-20 (PCT/US2021/046855)</p> <p>[87] (WO2023/022729)</p>

<p>[21] 3,229,325 [13] A1</p> <p>[51] Int.Cl. A61B 17/72 (2006.01)</p> <p>[25] EN</p> <p>[54] HYDRAULIC GROWING ROD</p> <p>[54] TIGE DE CROISSANCE HYDRAULIQUE</p> <p>[72] HEFLIN, JOHN, US</p> <p>[72] FALLIN, T. WADE, US</p> <p>[72] EVANS, ZACKERY, US</p> <p>[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-30 (PCT/US2022/042078)</p> <p>[87] (WO2023/034329)</p> <p>[30] US (63/238,299) 2021-08-30</p>
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<p>[21] 3,229,328 [13] A1</p> <p>[51] Int.Cl. E03B 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] UNDERGROUND WATER TANKS USING MODULAR CRATES</p> <p>[54] RESERVOIRS D'EAU SOUTERRAINS UTILISANT DES CAISSES MODULAIRES</p> <p>[72] LARACH, OSCAR, US</p> <p>[71] LARACH, OSCAR, US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-23 (PCT/US2022/041277)</p> <p>[87] (WO2023/028089)</p> <p>[30] US (63/236,078) 2021-08-23</p>
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Demandes PCT entrant en phase nationale

[21] 3,229,329

[13] A1

[51] Int.Cl. G02F 1/13 (2006.01) G02F 1/1343 (2006.01) G02F 1/1347 (2006.01)

[25] EN

[54] LIQUID CRYSTAL LIGHT CONTROL DEVICE AND LIGHTING DEVICE

[54] ELEMENT DE COMMANDE DE LUMIERE A CRISTAUX LIQUIDES ET DISPOSITIF D'ECLAIRAGE

[72] IKEDA, KOJIRO, JP

[72] KOITO, TAKEO, JP

[72] KUROKAWA, TAE, JP

[71] JAPAN DISPLAY INC., JP

[85] 2024-02-16

[86] 2022-08-05 (PCT/JP2022/030182)

[87] (WO2023/026833)

[30] JP (2021-135953) 2021-08-23

[21] 3,229,330

[13] A1

[51] Int.Cl. H01B 7/285 (2006.01)

[25] EN

[54] WATERPROOF DROP CABLE

[54] CABLE DE CHUTE ETANCHE A L'EAU

[72] MATHEWS, ROGER, US

[71] PPC BROADBAND, INC., US

[85] 2024-02-16

[86] 2022-08-19 (PCT/US2022/040945)

[87] (WO2023/023364)

[30] US (63/234,769) 2021-08-19

[21] 3,229,331

[13] A1

[51] Int.Cl. C12Q 1/6886 (2018.01) G16B 40/00 (2019.01) C12Q 1/6809 (2018.01)

[25] EN

[54] METHODS FOR ANALYSIS OF TARGET MOLECULES IN BIOLOGICAL FLUIDS

[54] PROCEDES D'ANALYSE DE MOLECULES CIBLES DANS DES FLUIDES BIOLOGIQUES

[72] LARSON, MATTHEW, US

[72] MAUNTZ, RUTH E., US

[72] BURKHARDT, DAVID, US

[71] GRAIL, INC., US

[85] 2024-02-16

[86] 2022-09-09 (PCT/US2022/076210)

[87] (WO2023/039529)

[30] US (63/242,872) 2021-09-10

[21] 3,229,332

[13] A1

[51] Int.Cl. C10M 129/74 (2006.01) C10M 129/76 (2006.01)

[25] EN

[54] FRICTION MODIFIERS WITH IMPROVED FRICTIONAL PROPERTIES AND LUBRICATING COMPOSITIONS CONTAINING THE SAME

[54] MODIFICATEURS DE FROTTEMENT PRESENTANT DES PROPRIETES DE FROTTEMENT AMELIOREES ET COMPOSITIONS LUBRIFIANTES CONTENANT CEUX-CI

[72] SACCOMANDO, DANIEL J., GB

[72] BARTON, WILLIAM R.S., GB

[72] ROY, CHARLOTTE ELLEN, GB

[71] THE LUBRIZOL CORPORATION, US

[85] 2024-02-16

[86] 2022-08-18 (PCT/US2022/040716)

[87] (WO2023/023224)

[30] US (63/234,852) 2021-08-19

[21] 3,229,333

[13] A1

[25] EN

[54] TRAVEL SYSTEM FOR TRANSPORT VEHICLE

[54] SYSTEME DE DEPLACEMENT POUR VEHICULE DE TRANSPORT

[72] OBARA, HIROKI, JP

[72] KANAI, MASAKI, JP

[72] BANDO, MIKIO, JP

[72] UOTSU, SHINICHI, JP

[71] HITACHI CONSTRUCTION MACHINERY CO., LTD., JP

[85] 2024-02-16

[86] 2022-12-08 (PCT/JP2022/045282)

[87] (WO2023/112823)

[30] JP (2021-202938) 2021-12-14

[21] 3,229,334

[13] A1

[51] Int.Cl. A23L 33/18 (2016.01)

[25] EN

[54] FOOD COMPOSITION FOR SUPPRESSING MUSCLE FATIGUE AND/OR SUDDEN MUSCLE PAIN

[54] COMPOSITION ALIMENTAIRE POUR SUPPRIMER LA FATIGUE MUSCULAIRE ET/OU UNE DOULEUR MUSCULAIRE SOUDAINE

[72] KUSUBATA, MASASHI, JP

[72] KUWABA, KUMIKO, JP

[72] IGARASHI, HIROSHI, JP

[72] TAGA, YUKI, JP

[72] MIZUNO, KAZUNORI, JP

[71] NIPPI, INCORPORATED, JP

[85] 2024-02-16

[86] 2022-08-17 (PCT/JP2022/031077)

[87] (WO2023/022174)

[30] JP (2021-133102) 2021-08-18

[21] 3,229,335

[13] A1

[51] Int.Cl. A61K 45/06 (2006.01)

[25] EN

[54] H-NOX PROTEINS FOR ORGAN PRESERVATION

[54] PROTEINES H-NOX POUR LA CONSERVATION D'ORGANES

[72] WINGER, JONATHAN, US

[72] KRTOLICA, ANA, US

[72] LOUCKS, FRANCES ALEXANDRA, US

[71] OMNIOX INC., US

[85] 2024-02-16

[86] 2022-08-18 (PCT/US2022/075179)

[87] (WO2023/023627)

[30] US (63/234,454) 2021-08-18

PCT Applications Entering the National Phase

<p style="text-align: right;">[21] 3,229,336 [13] A1</p> <p>[51] Int.Cl. A61K 8/67 (2006.01) A23L 33/10 (2016.01) A23L 33/15 (2016.01) A23L 33/155 (2016.01)</p> <p>[25] EN</p> <p>[54] MULTIVITAMIN FOR CYSTIC FIBROSIS PATIENTS UNDERGOING CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR GENE MODULATOR THERAPY</p> <p>[54] MULTIVITAMINE POUR PATIENTS ATTEINTS DE FIBROSE KYSTIQUE SUBISSANT UNE THERAPIE PAR MODULATEUR DU GENE REGULATEUR DE LA CONDUCTANCE TRANSMEMBRANAIRE DE LA FIBROSE KYSTIQUE</p> <p>[72] WALTERS, MICHAEL, US [71] WALTERS, MICHAEL, US [85] 2024-02-16 [86] 2022-07-14 (PCT/US2022/037053) [87] (WO2023/022820) [30] US (63/233,874) 2021-08-17 [30] US (63/318,864) 2022-03-11 [30] US (63/282,259) 2021-11-23 [30] US (63/318,928) 2022-03-11</p> <hr/> <p style="text-align: right;">[21] 3,229,337 [13] A1</p> <p>[51] Int.Cl. G01R 33/563 (2006.01)</p> <p>[25] FR</p> <p>[54] METHOD FOR DETERMINATION OF AN INDICATOR REPRESENTATIVE OF A CHANGE IN THE BRAIN OF AN INDIVIDUAL CAUSED BY A DEMYELINATING OR RELATED DISEASE AFFECTING THE STATE OF THE MYELIN OF THE BRAIN</p> <p>[54] METHODE DE DETERMINATION D'UN INDICATEUR REPRESENTATIF D'UNE ALTERATION DU CERVEAU D'UN INDIVIDU CAUSEE PAR UNE PATHOLOGIE DEMYELINISANTE OU APPARENTEE, AFFECTANT L'ETAT DE LA MYELINE DU CERVEAU</p> <p>[72] PERLBARG, VINCENT, FR [71] BRAINTALE, FR [85] 2024-02-16 [86] 2022-08-19 (PCT/EP2022/073240) [87] (WO2023/021201) [30] FR (FR2108808) 2021-08-20</p>	<p style="text-align: right;">[21] 3,229,338 [13] A1</p> <p>[51] Int.Cl. H04W 72/04 (2023.01)</p> <p>[25] EN</p> <p>[54] COMMUNICATION METHOD AND RELATED APPARATUS</p> <p>[54] PROCEDE DE COMMUNICATION ET DISPOSITIF ASSOCIE</p> <p>[72] YANG, MAO, CN [72] YAN, ZHONGJIANG, CN [72] LU, YUXIN, CN [72] LI, YIQING, CN [72] LI, YUNBO, CN [72] GUO, YUCHEN, CN [72] GAN, MING, CN [71] HUAWEI TECHNOLOGIES CO., LTD., CN [85] 2024-02-16 [86] 2022-08-12 (PCT/CN2022/112175) [87] (WO2023/020395) [30] CN (202110945312.X) 2021-08-17 [30] CN (202111229676.4) 2021-10-21</p> <hr/> <p style="text-align: right;">[21] 3,229,339 [13] A1</p> <p>[25] EN</p> <p>[54] SYSTEMS, DEVICES AND METHODS FOR CONTROLLING GROWTH OF A PLANT</p> <p>[54] SYSTEMES, DISPOSITIFS ET PROCEDES DE REGULATION DE LA CROISSANCE D'UNE PLANTE</p> <p>[72] LEVESQUE, VINCENT, CA [71] SYMPHONI BIOTECH INC., CA [85] 2024-02-16 [86] 2022-08-18 (PCT/CA2022/051253) [87] (WO2023/019359) [30] US (63/234,282) 2021-08-18 [30] US (63/258,000) 2021-10-20</p> <hr/> <p style="text-align: right;">[21] 3,229,340 [13] A1</p> <p>[51] Int.Cl. A61B 18/00 (2006.01) A61B 18/14 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTRODE APPARATUS FOR NERVE DENERVATION OR MODULATION IN VIVO</p> <p>[54] APPAREIL D'ELECTRODE POUR LA DENERVATION DES NERFS OU LA MODULATION IN VIVO</p> <p>[72] BACH, DU JIN, KR [72] JO, SEOK HYEON, KR [71] DEEPQURE INC., KR [85] 2024-02-16 [86] 2021-08-18 (PCT/KR2021/010977) [87] (WO2023/022253) [30] KR (10-2021-0108840) 2021-08-18</p>	<p style="text-align: right;">[21] 3,229,341 [13] A1</p> <p>[51] Int.Cl. A61K 51/04 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF SCREENING FOR VMAT2 INHIBITORS</p> <p>[54] PROCEDES DE CRIBLAGE D'INHIBITEURS DE VMAT2</p> <p>[72] TERRY-LORENZO, RYAN, US [72] HAUBENBERGER, DIETRICH, US [72] GIRI, NAGDEEP, US [71] NEUROCRINE BIOSCIENCES, INC., US [85] 2024-02-16 [86] 2022-08-18 (PCT/US2022/075137) [87] (WO2023/023593) [30] US (63/235,407) 2021-08-20</p> <hr/> <p style="text-align: right;">[21] 3,229,342 [13] A1</p> <p>[51] Int.Cl. H01G 4/04 (2006.01) H01G 4/015 (2006.01) H01G 4/22 (2006.01) H01G 4/10 (2006.01) H01G 4/224 (2006.01)</p> <p>[25] EN</p> <p>[54] DIELECTRIC NANOFUID FOR A CAPACITOR SYSTEM</p> <p>[54] NANOFUIDE DIELECTRIQUE POUR SYSTEME DE CONDENSATEUR</p> <p>[72] RAHIMABADY, MOJTABA, US [72] LI, CHAO, US [72] WARD, ERIC, US [71] EATON INTELLIGENT POWER LIMITED, IE [85] 2024-02-16 [86] 2022-08-16 (PCT/EP2022/025380) [87] (WO2023/025409) [30] US (63/236,356) 2021-08-24</p> <hr/> <p style="text-align: right;">[21] 3,229,343 [13] A1</p> <p>[51] Int.Cl. A61K 47/10 (2017.01) A61K 47/42 (2017.01)</p> <p>[25] EN</p> <p>[54] AN OIL-IN-WATER EMULSION GEL COMPRISING TIOTROPIUM BROMIDE</p> <p>[54] GEL D'EMULSION HUILE DANS L'EAU COMPRENANT DU BROMURE DE TIOTROPIUM</p> <p>[72] SOLA-MORALES I SERRA, ORIOL, ES [72] BUXTADE FORTUNY, MARIA, ES [71] DRYOX HEALTH, S.L., ES [85] 2024-02-16 [86] 2022-08-25 (PCT/EP2022/073705) [87] (WO2023/025900) [30] EP (21382781.9) 2021-08-25</p>
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Demandes PCT entrant en phase nationale

[21] 3,229,344
[13] A1

[51] Int.Cl. A61B 18/00 (2006.01) A61B 18/14 (2006.01) A61N 1/05 (2006.01) A61N 1/38 (2006.01)
[25] EN
[54] ELECTRODE DEVICE FOR BLOCKING OR CONTROLLING NERVES IN BODY
[54] DISPOSITIF D'ELECTRODE POUR BLOQUER OU COMMANDER DES NERFS DANS LE CORPS
[72] BACH, DU JIN, KR
[72] JO, SEOK HYEON, KR
[71] DEEPQURE INC., KR
[85] 2024-02-16
[86] 2021-08-18 (PCT/KR2021/010954)
[87] (WO2023/022249)
[30] KR (10-2021-0108645) 2021-08-18

[21] 3,229,345
[13] A1

[51] Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61P 7/00 (2006.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01) C12N 15/13 (2006.01) C12N 15/16 (2006.01) C12N 15/19 (2006.01) C12N 15/55 (2006.01) C12N 15/63 (2006.01) C12N 15/64 (2006.01) C12N 15/85 (2006.01) C12N 15/866 (2006.01) C12N 15/88 (2006.01)

[25] EN
[54] CLOSED-END DNA PRODUCTION WITH INVERTED TERMINAL REPEAT SEQUENCES
[54] PRODUCTION D'ADN A EXTREMITE FERMEE AVEC SEQUENCES TERMINALES REPETEES INVERSEES
[72] MAGHODIA, AJAY, US
[72] MUELLER, CHRISTIAN, US
[72] LIU, TONGYAO, US
[71] BIOVERATIV THERAPEUTICS INC., US
[85] 2024-02-16
[86] 2022-08-22 (PCT/US2022/075280)
[87] (WO2023/028455)
[30] US (63/236,215) 2021-08-23

[21] 3,229,346
[13] A1

[51] Int.Cl. A61M 5/14 (2006.01) A61M 5/00 (2006.01) A61M 5/142 (2006.01) A61M 5/24 (2006.01) A61M 5/315 (2006.01) A61M 5/48 (2006.01)
[25] EN
[54] DRUG DELIVERY DEVICE CASSETTE
[54] CASSETTE DE DISPOSITIF D'ADMINISTRATION DE MEDICAMENT
[72] GUNAY, MURAT, US
[72] JUDSON, JARED ALDEN, US
[72] PERKINS, RUSSELL WAYNE, US
[72] SCHAFF, ANTHONY LAWRENCE, US
[71] ELI LILLY AND COMPANY, US
[85] 2024-02-16
[86] 2022-08-19 (PCT/US2022/040867)
[87] (WO2023/023314)
[30] US (63/260,454) 2021-08-20

[21] 3,229,347
[13] A1

[51] Int.Cl. G06T 7/11 (2017.01) G06T 7/174 (2017.01)
[25] EN
[54] IMAGE DIFFERENCE IDENTIFICATION
[54] IDENTIFICATION DE DIFFERENCES D'IMAGES
[72] FRIBERG, TAPIO, FI
[71] ICEYE OY, FI
[85] 2024-02-16
[86] 2022-08-09 (PCT/EP2022/072363)
[87] (WO2023/020896)
[30] GB (2111906.0) 2021-08-19

[21] 3,229,348
[13] A1

[25] EN
[54] CURVED ULTRASOUND PROBE
[54] SONDE ULTRASONORE INCURVÉE
[72] VAYNBERG, BORIS, IL
[72] ASCHER, BENJAMIN, FR
[71] THINKIN TECH, FR
[85] 2024-02-16
[86] 2022-08-17 (PCT/EP2022/073002)
[87] (WO2023/021110)
[30] EP (21315138.4) 2021-08-17

[21] 3,229,349
[13] A1

[25] EN
[54] DIFFUSER HAVING MULTIPLE ATOMIZERS WITH A SINGLE PUMP
[54] DIFFUSEUR AYANT DE MULTIPLES ATOMISEURS AVEC UNE SEULE POMPE
[72] SPIEGEL, PETER G., US
[72] PEDERSEN, MICHAEL, US
[71] IDEAL LIVING, LLC, US
[85] 2024-02-16
[86] 2022-09-07 (PCT/US2022/042745)
[87] (WO2023/043649)
[30] US (63/244,526) 2021-09-15
[30] US (63/353,423) 2022-06-17

[21] 3,229,350
[13] A1

[51] Int.Cl. A47K 13/30 (2006.01) E03D 9/05 (2006.01) E03D 9/052 (2006.01)
[25] EN
[54] TOILET WITH INTEGRATED FILTRATION
[54] TOILETTES A FILTRATION INTEGREE
[72] L'HENAFF, JEAN-JACQUES, US
[72] SONG, KI BOK, US
[72] KWON, SOONJAE, US
[72] REINECKER, GREG, US
[72] NITZ, JACOB, US
[72] FLOWERS, PAUL, GB
[71] AS AMERICA, INC., US
[85] 2024-02-16
[86] 2022-09-26 (PCT/US2022/044683)
[87] (WO2023/049436)
[30] US (63/248,906) 2021-09-27

[21] 3,229,351
[13] A1

[25] EN
[54] OPTICAL FIBER CONNECTOR FOR MINIMIZING SIGNAL TRANSMISSION LOSSES
[54] CONNECTEUR DE FIBRE OPTIQUE POUR MINIMISER LES PERTES DE TRANSMISSION DE SIGNAL
[72] LEESON, KIM, GB
[72] TREZISE, SHAUN, GB
[71] PPC BROADBAND FIBER LTD., GB
[85] 2024-02-16
[86] 2022-08-19 (PCT/US2022/040957)
[87] (WO2023/023372)
[30] US (63/234,968) 2021-08-19

PCT Applications Entering the National Phase

[21] 3,229,352
[13] A1

[51] Int.Cl. A24B 15/167 (2020.01) A24F 40/10 (2020.01)
[25] EN
[54] MEDICAL LIQUID COMPOSITION FOR AERIAL ADMINISTRATION
[54] COMPOSITION LIQUIDE MEDICALE POUR ADMINISTRATION AERIENNE
[72] FERRI, EMANUELE, IT
[72] DELL'AGLI, MARIO, IT
[72] FERRI, NICOLA, IT
[71] NATURAL ACADEMY S.R.L., IT
[71] APE8 S.R.L., IT
[85] 2024-02-16
[86] 2022-08-05 (PCT/IB2022/057304)
[87] (WO2023/026121)
[30] IT (102021000022172) 2021-08-23

[21] 3,229,353
[13] A1

[51] Int.Cl. H04L 1/00 (2006.01)
[25] EN
[54] METHOD FOR SENDING PHYSICAL LAYER PROTOCOL DATA UNIT AND COMMUNICATION APPARATUS
[54] PROCEDE D'ENVOI D'UNITE DE donnees SUR PROTOCOLE DE COUCHE PHYSIQUE ET DISPOSITIF DE COMMUNICATION
[72] YU, JIAN, CN
[72] JIANG, CHENGGANG, CN
[72] HU, MENGSHI, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-02-16
[86] 2022-08-10 (PCT/CN2022/111407)
[87] (WO2023/020349)
[30] CN (202110949948.1) 2021-08-18

[21] 3,229,354
[13] A1

[51] Int.Cl. H04L 9/40 (2022.01) G06F 21/62 (2013.01) H04L 61/4511 (2022.01)
[25] EN
[54] PRIVACY-PRESERVING DOMAIN NAME SERVICE (DNS)
[54] SERVICE DE NOMS DE DOMAINE (DNS) PRESERVANT LE RESPECT DE LA VIE PRIVEE
[72] BURCEANU, ELENA, RO
[72] BOLBOCEANU, M?D?LINA, RO
[72] HALLER, EMANUELA, RO
[72] RO?CA, GEORGIANA MIRUNA, RO
[72] TITIU, RADU, RO
[72] CEBERE, BOGDAN C., RO
[71] BITDEFENDER IPR MANAGEMENT LTD, CY
[85] 2024-02-16
[86] 2021-11-02 (PCT/EP2021/080380)
[87] (WO2023/078529)

[21] 3,229,355
[13] A1

[51] Int.Cl. A61P 3/04 (2006.01) C07K 16/28 (2006.01)
[25] EN
[54] COMBINATION THERAPIES
[54] POLYTHERAPIES
[72] KLICKSTEIN, LLOYD BERL, US
[72] MACHACEK, MATTHIAS, US
[71] VERSANIS BIO, INC., US
[85] 2024-02-16
[86] 2022-08-26 (PCT/US2022/075545)
[87] (WO2023/028606)
[30] US (63/238,068) 2021-08-27
[30] US (63/301,012) 2022-01-19
[30] US (63/333,351) 2022-04-21

[21] 3,229,356
[13] A1

[25] EN
[54] ASSEMBLY OF AN OBJECT HAVING A STACKED CONSTRUCTION OF A PLURALITY OF COMPONENTS
[54] ASSEMBLAGE D'UN OBJET AYANT UNE CONSTRUCTION EMPILEE D'UNE PLURALITE DE COMPOSANTS
[72] FIELDS, RICHARD, GB
[71] CELLERATE LIMITED, GB
[85] 2024-02-16
[86] 2022-08-10 (PCT/GB2022/052078)
[87] (WO2023/021271)
[30] GB (2111729.6) 2021-08-16

[21] 3,229,357
[13] A1

[51] Int.Cl. C05G 3/90 (2020.01) C05G 5/12 (2020.01) C05G 5/30 (2020.01)
[25] EN
[54] IMPROVEMENTS IN AND RELATING TO FERTILISER COATING COMPOSITIONS
[54] AMELIORATIONS APPORTEES A DES COMPOSITIONS DE REVETEMENT DE FERTILISANT ET SE RAPPORTANT A CELLES-CI
[72] ZANDER, MURRAY SELWIN, NZ
[72] ZANDER, JORDAN ROSS, NZ
[72] ZANDER, REGAN JAMES, NZ
[71] SOUTHSTAR TECHNOLOGIES LIMITED, NZ
[85] 2024-02-16
[86] 2022-08-19 (PCT/NZ2022/050107)
[87] (WO2023/022611)
[30] AU (2021218200) 2021-08-20

[21] 3,229,358
[13] A1

[51] Int.Cl. C07D 209/16 (2006.01) A61K 31/4045 (2006.01) A61K 31/454 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 403/06 (2006.01)
[25] EN
[54] INDOLE DERIVATIVES AS SEROTONERGIC AGENTS USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO
[54] DERIVES D'INDOLE UTILISES EN TANT QU'AGENTS SEROTONINERGIQUES UTILES POUR LE TRAITEMENT DE TROUBLES ASSOCIES A CEUX-CI
[72] SLASSI, ABDELMALIK, CA
[72] ARAUJO, JOSEPH A., CA
[72] HIGGINS, GUY ANDREW, CA
[71] MINDSET PHARMA INC., CA
[85] 2024-02-16
[86] 2022-08-19 (PCT/CA2022/051264)
[87] (WO2023/019367)
[30] US (63/260,470) 2021-08-20
[30] US (63/326,406) 2022-04-01
[30] US (63/347,845) 2022-06-01

Demandes PCT entrant en phase nationale

<p style="text-align: right;">[21] 3,229,359</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07D 403/04 (2006.01) A61K 47/54 (2017.01) A61K 31/4045 (2006.01) A61K 31/454 (2006.01) C07D 209/16 (2006.01) C07D 401/04 (2006.01) C07D 403/06 (2006.01)</p> <p>[25] EN</p> <p>[54] N-SUBSTITUTED INDOLE DERIVATIVES AS SEROTONERGIC AGENTS USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO</p> <p>[54] DERIVES D'INDOLE N-SUBSTITUES UTILISES EN TANT QU'AGENTS SEROTONINERGIQUES UTILES POUR LE TRAITEMENT DE TROUBLES ASSOCIES</p> <p>[72] SLASSI, ABDELMALIK, CA</p> <p>[72] ARAUJO, JOSEPH A., CA</p> <p>[72] HIGGINS, GUY, CA</p> <p>[71] MINDSET PHARMA INC., CA</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-19 (PCT/CA2022/051263)</p> <p>[87] (WO2023/019366)</p> <p>[30] US (63/260,470) 2021-08-20</p> <p>[30] US (63/326,406) 2022-04-01</p> <p>[30] US (63/347,845) 2022-06-01</p>	<p style="text-align: right;">[21] 3,229,360</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07D 401/06 (2006.01) A61K 31/454 (2006.01) A61P 13/12 (2006.01) C07D 401/02 (2006.01) C07D 401/14 (2006.01) C07D 403/02 (2006.01) C07D 403/06 (2006.01) C07D 403/14 (2006.01)</p> <p>[25] EN</p> <p>[54] BENZO NITROGEN-CONTAINING HETEROAROMATIC RING DERIVATIVE AND USE THEREOF IN MEDICINE</p> <p>[54] DERIVE DE CYCLE HETEROAROMATIQUE CONTENANT DE L'AZOTE BENZO ET SON UTILISATION EN MEDECINE</p> <p>[72] ZHANG, CHEN, CN</p> <p>[72] LIAO, YUTING, CN</p> <p>[72] ZHU, GUOZHI, CN</p> <p>[72] TANG, DACHAO, CN</p> <p>[72] YU, YAN, CN</p> <p>[72] TANG, PINGMING, CN</p> <p>[72] CHENG, XINFAN, CN</p> <p>[72] LI, YAO, CN</p> <p>[72] NI, JIA, CN</p> <p>[72] YAN, PANGKE, CN</p> <p>[71] XIZANG HAISCO PHARMACEUTICAL CO. LTD., CN</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-18 (PCT/CN2022/113216)</p> <p>[87] (WO2023/020566)</p> <p>[30] CN (202110940107.4) 2021-08-18</p> <p>[30] CN (202111048416.7) 2021-09-08</p> <p>[30] CN (202111532328.4) 2021-12-16</p> <p>[30] CN (202210255370.4) 2022-03-22</p> <p>[30] CN (202210496109.3) 2022-05-12</p> <p>[30] CN (202210558720.4) 2022-05-25</p> <p>[30] CN (202210903696.3) 2022-07-29</p>	<p style="text-align: right;">[21] 3,229,361</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07D 401/04 (2006.01) A61K 31/404 (2006.01) A61K 31/454 (2006.01) C07D 403/04 (2006.01)</p> <p>[25] EN</p> <p>[54] 3-CYCLOAMINO-INDOLE COMPOUNDS AS SEROTONERGIC AGENTS USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO</p> <p>[54] COMPOSES DE 3-CYCLOAMINO-INDOLE UTILISES EN TANT QU'AGENTS SEROTONINERGIQUES UTILES POUR LE TRAITEMENT DE TROUBLES ASSOCIES</p> <p>[72] SLASSI, ABDELMALIK, CA</p> <p>[72] ARAUJO, JOSEPH A., CA</p> <p>[71] MINDSET PHARMA INC., CA</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-19 (PCT/CA2022/051265)</p> <p>[87] (WO2023/019368)</p> <p>[30] US (63/260,470) 2021-08-20</p> <p>[30] US (63/326,406) 2022-04-01</p> <p>[30] US (63/347,845) 2022-06-01</p>

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[21] 3,229,363
[13] A1

- [51] Int.Cl. A61K 31/36 (2006.01) A61P 25/16 (2006.01) C07D 317/58 (2006.01)
 - [25] EN
 - [54] COMPOSITIONS COMPRISING NON-RACEMIC MIXTURES OF (R)- AND (S)-3,4-METHYLENEDIOXYMETHAMPHETAMINE OR (R) AND (S) N-METHYL-1,3-BENZODIOXOLYLBUTANAMINE AND USES THEREOF
 - [54] COMPOSITIONS COMPRENANT DES MELANGES NON RACEMIQUES DE (R)-ET (S)-3,4-METHYLENEDIOXYMETHAMPHETAMINE OU (R) ET (S) N-METHYL -1,3-BENZODIOXOLYLBUTANAMINE ET LEURS UTILISATIONS
 - [72] KADYSH, NICHOLAS, CA
 - [72] HOWELL, LEONARD, US
 - [72] KAUR, HARPREET, CA
 - [71] PHARMALA BIOTECH INC., CA
 - [85] 2024-02-16
 - [86] 2022-08-22 (PCT/CA2022/051269)
 - [87] (WO2023/019369)
 - [30] US (63/235,460) 2021-08-20
 - [30] US (63/298,820) 2022-01-12
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[13] A1

- [51] Int.Cl. E04G 1/00 (2006.01) E04G 1/17 (2006.01) E04G 1/24 (2006.01) E04G 1/36 (2006.01) E04G 3/24 (2006.01) E04G 3/28 (2006.01) E04G 5/10 (2006.01) E04G 27/00 (2006.01)
- [25] EN
- [54] MODULAR DOZER PLATFORM
- [54] PLATE-FORME DE BOUTEUR MODULAIRE
- [72] D'AMICO, JOHN A., US
- [72] D'AMICO, ZACHARY A., US
- [71] MINE RIGHT TECHNOLOGIES, LLC, US
- [85] 2024-02-16
- [86] 2021-08-16 (PCT/US2021/071199)
- [87] (WO2023/022745)

[21] 3,229,365
[13] A1

- [51] Int.Cl. G06Q 30/02 (2023.01)
 - [25] EN
 - [54] PROVIDING DESTINATION-SPECIFIC ELECTRONIC OFFERINGS THROUGH AN INFILIGHT ENTERTAINMENT SYSTEM ONBOARD AN AIRCRAFT
 - [54] FOURNITURE D'OFFRES ELECTRONIQUES SPECIFIQUES A UNE DESTINATION PAR L'INTERMEDIAIRE D'UN SYSTEME DE DIVERTISSEMENT EN VOL A BORD D'UN AERONEF
 - [72] O'BRIEN, ULTAN, US
 - [72] O'SULLIVAN, NIALL, US
 - [72] MURRAY, FERGAL, US
 - [71] VIASAT, INC., US
 - [85] 2024-02-16
 - [86] 2022-08-19 (PCT/US2022/040968)
 - [87] (WO2023/023381)
 - [30] US (63/235,672) 2021-08-20
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- [51] Int.Cl. A61L 27/54 (2006.01) A61P 19/04 (2006.01)
- [25] EN
- [54] FUCAN AND MODIFIED FUCAN COMPOSITIONS FOR THE TREATMENT OF CONDITIONS RELATED TO CAPSULAR CONTRACTURE AND TO INHIBITING FIBROUS GROWTH AROUND OR ON TRANSPLANTS
- [54] COMPOSITIONS FUCANE ET FUCANE MODIFIEES POUR LE TRAITEMENT D'ETATS LIES A LA CONTRACTURE CAPSULAIRE ET L'INHIBITION DE LA CROISSANCE FIBREUSE AUTOOUR OU SUR DES GREFFES
- [72] SUN, HESONG, CA
- [72] MILLET, IAN, CA
- [72] SPRINGATE, CHRISTOPHER MICHAEL KEVIN, CA
- [71] ARC MEDICAL INC., CA
- [85] 2024-02-16
- [86] 2022-08-18 (PCT/CA2022/051254)
- [87] (WO2023/019360)
- [30] US (63/235,316) 2021-08-20
- [30] US (63/354,322) 2022-06-22

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[13] A1

- [51] Int.Cl. A61B 17/17 (2006.01) A61B 34/20 (2016.01) A61B 90/11 (2016.01)
 - [25] EN
 - [54] IMAGING-GUIDED WHOLE-BODY STEREOTACTIC DEVICE
 - [54] DISPOSITIF STEREOTAXIQUE DE CORPS ENTIER GUIDE PAR L?IMAGERIE
 - [72] MITRA, ASHISH SUDHIR, AU
 - [71] MITRA, ASHISH SUDHIR, AU
 - [85] 2024-02-17
 - [86] 2022-08-20 (PCT/AU2022/050933)
 - [87] (WO2023/019324)
 - [30] AU (2021902614) 2021-08-20
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[13] A1

- [51] Int.Cl. C08L 23/16 (2006.01)
- [25] EN
- [54] RUBBER COMPOSITIONS CROSS-LINKABLE BY PEROXIDE AND CONTAINING ORGANIC FILLERS
- [54] COMPOSITIONS DE CAOUTCHOUC, RETICULABLES PAR PEROXYDE, QUI CONTIENNENT DES CHARGES ORGANIQUES
- [72] STUCKER, ALEXANDER, DE
- [72] SCHMAUCKS, GERD, DE
- [72] WITTMANN, TOBIAS, DE
- [72] PODSCHUN, JACOB, DE
- [72] SCHWAIGER, BERNHARD, DE
- [71] SUNCOAL INDUSTRIES GMBH, DE
- [85] 2024-02-14
- [86] 2022-08-23 (PCT/EP2022/073490)
- [87] (WO2023/025808)
- [30] EP (21192648.0) 2021-08-23
- [30] EP (21199589.9) 2021-09-28

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- C07K 14/765 (2006.01) C12N 15/62 (2006.01)
- [25] EN
- [54] NOVEL IL27 RECEPTOR AGONISTS AND METHODS OF USE THEREOF
- [54] NOUVEAUX AGONISTES DU RECEPTEUR D'IL27 ET PROCEDES D'UTILISATION ASSOCIES
- [72] GLATMAN ZARETSKY, ARIELLE, US
- [72] WU, JIAXI, US
- [72] ZHANG, TONG, US
- [72] HAXHINASTO, SOKOL, US
- [72] BLOCH, NICOLIN, US
- [71] REGENERON PHARMACEUTICALS, INC., US
- [85] 2024-02-14
- [86] 2022-08-15 (PCT/US2022/040300)
- [87] (WO2023/022965)
- [30] US (63/233,651) 2021-08-16

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[13] A1

- [51] Int.Cl. B65D 83/04 (2006.01) A47K 5/08 (2006.01)
- [25] EN
- [54] CONTAINER
- [54] RECIPIENT
- [72] HOCHBERG, SCOTT DAVID, US
- [72] ANDRES, BRIAN DAVID, US
- [72] HARRIS, KYLE WILLIAM, US
- [72] TURNER, NICOLE ALISA RENEE LOCKETT, US
- [72] BOEHM, MATTHEW JOHN, US
- [72] ZIPPERER, CHRISTIAN ALEXANDER, US
- [72] KING, GEOFFREY ALLEN, US
- [71] THE PROCTER & GAMBLE COMPANY, US
- [85] 2024-02-14
- [86] 2022-09-08 (PCT/US2022/076079)
- [87] (WO2023/039451)
- [30] US (17/470,666) 2021-09-09

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[13] A1

- [51] Int.Cl. A41D 27/28 (2006.01)
- [25] EN
- [54] APPAREL WITH DYNAMIC VENT STRUCTURE
- [54] VETEMENT A STRUCTURE D'EVENT DYNAMIQUE
- [72] MORGAN, DANIEL P., US
- [72] SCHEPKE, KYLE, US
- [72] WILLIAMS, JOSHUA PATRICK, US
- [71] NIKE INNOVATE C.V., US
- [85] 2024-02-14
- [86] 2022-10-14 (PCT/US2022/046742)
- [87] (WO2023/069321)
- [30] US (17/505,198) 2021-10-19

[21] 3,229,373
[13] A1

- [51] Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01)
- [25] EN
- [54] SYSTEMS AND METHODS OF IMPROVING SLEEP DISORDERED BREATHING
- [54] SYSTEMES ET METHODES POUR SOULAGER LES TROUBLES RESPIRATOIRES DU SOMMEIL
- [72] KENT, DAVID T., US
- [71] VANDERBILT UNIVERSITY, US
- [85] 2024-02-14
- [86] 2022-08-25 (PCT/US2022/041575)
- [87] (WO2023/028262)
- [30] US (63/236,774) 2021-08-25

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[13] A1

- [51] Int.Cl. A61K 35/30 (2015.01) C12N 5/07 (2010.01) A61P 27/02 (2006.01)
- [25] EN
- [54] PHOTORECEPTOR CELLS FOR RETINAL AND MACULAR REPAIR
- [54] CELLULES PHOTORECEPTRICES POUR LA REPARATION DE LA RETINE ET DE LA MACULA
- [72] SINGH, MANDEEP, US
- [72] JOHNSTON, ROBERT, US
- [72] ELDRED, KIARA, US
- [72] HUSSEY, KATARZYNA, US
- [72] HADYNIAK, SARAH, US
- [72] MCNERNEY, CHRISTINA, US
- [71] THE JOHNS HOPKINS UNIVERSITY, US
- [85] 2024-02-14
- [86] 2022-08-19 (PCT/US2022/040853)
- [87] (WO2023/023305)
- [30] US (63/235,380) 2021-08-20

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[13] A1

- [51] Int.Cl. C07C 201/14 (2006.01) C07C 205/58 (2006.01) C07C 319/14 (2006.01) C07C 319/20 (2006.01) C07C 323/62 (2006.01) C07C 323/63 (2006.01) C12P 13/00 (2006.01)
- [25] EN
- [54] PALLADIUM FREE PROCESSES FOR PREPARATION OF ACRYLATE COMPOUNDS
- [54] PROCEDES EXEMPTS DE PALLADIUM POUR LA PREPARATION DE COMPOSES ACRYLATES
- [72] ORTIZ, ADRIAN, US
- [72] DOERFLER, JAICA, US
- [72] VAIDA, KARINA R., US
- [71] AMGEN INC., US
- [85] 2024-02-14
- [86] 2022-08-17 (PCT/US2022/040665)
- [87] (WO2023/023201)
- [30] US (63/234,927) 2021-08-19

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[13] A1

- [51] Int.Cl. F16L 3/015 (2006.01)
- [25] EN
- [54] AN ASSEMBLY AND METHOD FOR SUPPORTING A CABLE
- [54] ENSEMBLE ET PROCEDE DE SUPPORT D'UN CABLE
- [72] GROLEAU, SCOTT, CA
- [72] PATEL, MANISH, CA
- [71] BIZLINK ELOCAB LTD., CA
- [85] 2024-02-14
- [86] 2021-09-29 (PCT/CA2021/051362)
- [87] (WO2023/049986)

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[21] 3,229,377
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- [51] Int.Cl. F04D 13/08 (2006.01) F04B 53/22 (2006.01)
- [25] EN
- [54] ELEVATING APPARATUS, PUMP CARRYING-IN METHOD, AND PUMP PULLING-UP METHOD
- [54] DISPOSITIF DE LEVAGE, PROCEDE DE MISE EN PLACE DE POMPE ET PROCEDE D'ELEVATION DE POMPE
- [72] HONDA, SHUICHIRO, JP
- [72] KASATANI, TETSUJI, JP
- [72] IKEDA, HAYATO, JP
- [72] IWAMI, MITSUTAKA, JP
- [71] EBARA CORPORATION, JP
- [85] 2024-02-13
- [86] 2022-08-09 (PCT/JP2022/030381)
- [87] (WO2023/022059)
- [30] JP (2021-132900) 2021-08-17

[21] 3,229,379
[13] A1

- [51] Int.Cl. A61B 34/30 (2016.01) A61B 34/20 (2016.01) A61B 17/68 (2006.01) A61B 17/88 (2006.01)
- [25] EN
- [54] ON-BONE ROBOTIC SYSTEM FOR COMPUTER-ASSISTED SURGERY
- [54] SYSTEME ROBOTIQUE SUR OS POUR CHIRURGIE ASSISTEE PAR ORDINATEUR
- [72] AMIOT, LOUIS-PHILIPPE, CA
- [72] COUTURE, PIERRE, CA
- [72] DUVAL, KARINE, CA
- [72] RICHARD, ALAIN, CA
- [71] ORTHOSOFT ULC, CA
- [85] 2024-02-14
- [86] 2022-11-02 (PCT/CA2022/051621)
- [87] (WO2023/077224)
- [30] US (63/274,554) 2021-11-02

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[13] A1

- [51] Int.Cl. C04B 40/02 (2006.01) B28B 11/24 (2006.01) B28C 5/00 (2006.01)
- [25] EN
- [54] SIMULTANEOUS CONDITIONING AND CURING PROCESS FOR CONCRETE PRODUCTS
- [54] PROCEDE SIMULTANE DE CONDITIONNEMENT ET DE DURCISSEMENT POUR PRODUITS EN BETON
- [72] MIRVALAD, JAVAD, CA
- [72] MAHOUTIAN, MEHRDAD, CA
- [72] STERN, CHRIS, CA
- [71] CARBICRETE INC., CA
- [85] 2024-02-14
- [86] 2022-10-26 (PCT/CA2022/051580)
- [87] (WO2023/070206)
- [30] US (63/271,801) 2021-10-26

[21] 3,229,382
[13] A1

- [51] Int.Cl. G07C 9/33 (2020.01) G07C 9/38 (2020.01) G07C 9/00 (2020.01)
- [25] EN
- [54] SECURE GUEST ENROLLMENT AT ELECTRONIC LOCK
- [54] INSCRIPTION D'INVITE SECURISEE AU NIVEAU D'UN VERROU ELECTRONIQUE
- [72] PASMA, KEVIN, US
- [72] ALMOMANI, NEDAL, US
- [71] SPECTRUM BRANDS, INC., US
- [85] 2024-02-14
- [86] 2022-08-17 (PCT/US2022/040629)
- [87] (WO2023/023176)
- [30] US (63/234,012) 2021-08-17

[21] 3,229,385
[13] A1

- [51] Int.Cl. A63B 9/00 (2006.01) A63B 21/068 (2006.01) A63B 26/00 (2006.01)
- [25] EN
- [54] EXERCISE SYSTEM AND CLIMBING SIMULATOR
- [54] SYSTEME D'EXERCICE ET SIMULATEUR D'ESCALADE
- [72] LAKSHMIPATHY, NARENDRANATH, US
- [71] LAKSHMIPATHY, NARENDRANATH, US
- [85] 2024-02-14
- [86] 2022-08-16 (PCT/US2022/040405)
- [87] (WO2023/023013)
- [30] US (63/234,298) 2021-08-18

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[13] A1

- [51] Int.Cl. G06F 1/26 (2006.01)
- [25] EN
- [54] DYNAMIC LOADING FOR A SWITCHING POWER SUPPLY
- [54] CHARGEMENT DYNAMIQUE POUR UNE ALIMENTATION ELECTRIQUE A COMMUTATION
- [72] FONG, CHEE KIONG, US
- [72] SHEW, GEOFFREY JASON, US
- [72] TIN, SUET FONG, US
- [72] VOLKMAN, MICHAEL R., US
- [71] MICROSOFT TECHNOLOGY LICENSING, LLC., US
- [85] 2024-02-14
- [86] 2022-07-25 (PCT/US2022/038119)
- [87] (WO2023/055468)
- [30] US (17/490,846) 2021-09-30

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[13] A1

- [51] Int.Cl. A61K 9/06 (2006.01) A61K 31/519 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 17/14 (2006.01) C07D 471/04 (2006.01) C07D 487/00 (2006.01)
- [25] EN
- [54] LOCAL TOPICAL FORMULATION CONTAINING JAK INHIBITOR, OR SALTS OR CRYSTAL FORMS THEREOF, AND PREPARATION METHOD AND USE THEREOF
- [54] FORMULATION TOPIQUE LOCALE CONTENANT UN INHIBITEUR DE JAK OU UN SEL DE CELUI-CI OU UNE FORME CRISTALLINE DE CELUI-CI, PROCEDE DE PREPARATION ASSOCIE ET APPLICATION CORRESPONDANTE
- [72] SHEN, MEIYUE, CN
- [72] MU, LIWEI, CN
- [72] YU, TINGTING, CN
- [72] HE, YUJUN, CN
- [72] SU, CHONG, CN
- [72] GAO, PENG, CN
- [72] WANG, ZHENG, CN
- [72] WANG, DEGANG, CN
- [71] ZHUHAI UNITED LABORATORIES CO., LTD., CN
- [85] 2024-02-14
- [86] 2022-08-18 (PCT/CN2022/113223)
- [87] (WO2023/020567)
- [30] CN (202110942954.4) 2021-08-19

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[51] Int.Cl. F17C 13/00 (2006.01) F04D 7/02 (2006.01) F04D 13/08 (2006.01)
[25] EN
[54] PURGE CONTAINER AND METHOD FOR USING THE PURGE CONTAINER
[54] RECIPIENT DE PURGE ET PROCEDE D'UTILISATION D'UN RECIPIENT DE PURGE
[72] HONDA, SHUICHIRO, JP
[72] KASATANI, TETSUJI, JP
[72] IKEDA, HAYATO, JP
[72] IWAMI, MITSUTAKA, JP
[72] SUZUKI, ASAKI, JP
[72] YAMANOUCHI, KOICHIRO, JP
[72] YAMANE, YUYA, JP
[72] EMI, YUICHI, JP
[72] TAKASE, TOMONORI, JP
[72] INOMATA, AKIHIKO, JP
[71] EBARA CORPORATION, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2024-02-13
[86] 2022-08-09 (PCT/JP2022/030383)
[87] (WO2023/022060)
[30] JP (2021-132921) 2021-08-17

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[51] Int.Cl. F21S 6/00 (2006.01) B65D 51/24 (2006.01) F21S 9/02 (2006.01) F21V 21/08 (2006.01) F21V 33/00 (2006.01)
[25] EN
[54] LUMINAIRE AND LIGHTING ARRANGEMENT
[54] LUMINAIRE ET SYSTEME D'ECLAIRAGE
[72] BURGHARD, FLORIAN, DE
[71] SOMPEX IM- UND EXPORT, HANDELSGESELLSCHAFT MIT BESCHRANKTER HAFTUNG & CO. KOMMANDITGESELLSCHAFT, DE
[85] 2024-02-14
[86] 2022-08-19 (PCT/DE2022/100626)
[87] (WO2023/020666)
[30] DE (20 2021 104 455.1) 2021-08-19
[30] DE (20 2021 105 454.9) 2021-10-08

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[13] A1

[51] Int.Cl. B65D 51/16 (2006.01)
[25] EN
[54] VENTED DISPENSING LINER
[54] DOUBLURE DE DISTRIBUTION VENTILEE
[72] FISCH, ADAM JEFFERY, US
[71] SELIG GRAND RAPIDS LLC, US
[85] 2024-02-14
[86] 2022-08-17 (PCT/US2022/040599)
[87] (WO2023/027925)
[30] US (63/237,418) 2021-08-26

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[13] A1

[51] Int.Cl. F03D 13/20 (2016.01) F03D 13/25 (2016.01) B63B 21/50 (2006.01) B63B 35/44 (2006.01)

[25] EN
[54] FLOATING PLATFORM DEVICE FOR A WIND TURBINE TOWER AND ASSEMBLY METHOD
[54] DISPOSITIF DE PLATEFORME FLOTTANTE POUR TOUR D'ÉOLIENNE ET PROCEDE D'ASSEMBLAGE
[72] COUNAGO LORENZO, BERNARDINO, ES
[72] SAINZ AVILA, OSCAR, NL
[72] FERNANDEZ GIL, ISMAEL, ES
[72] BARAHONA OVIEDO, CECILIO, ES
[72] HERNANDEZ BLANCO, SERGIO, ES
[72] RECHINA MATEOS, ENRIQUE, ES
[71] BLUENEWABLES SL, ES
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[87] (WO2023/041687)
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[54] VENTED LINER
[54] DOUBLURE A VENTILATION
[72] FISCH, ADAM JEFFERY, US
[71] SELIG GRAND RAPIDS LLC, US
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[86] 2022-08-17 (PCT/US2022/040576)
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[30] US (63/237,401) 2021-08-26

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[25] EN
[54] SYSTEM AND METHOD FOR MONITORING PEOPLE IN THE STORE
[54] SYSTEME ET PROCEDE DE SURVEILLANCE DE PERSONNES DANS LE MAGASIN
[72] SUNDHOLM, GORAN, FI
[72] KIVINEN, JARMO, FI
[71] MARIELECTRONICS OY, FI
[85] 2024-02-14
[86] 2022-08-24 (PCT/FI2022/050546)
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[30] US (17/410,827) 2021-08-24

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[54] NOVEL NUCLEOTIDE COMPLEXES CAPABLE OF AN IMPROVED DNA SYNTHESIS YIELD
[54] NOUVEAUX COMPLEXES NUCLEOTIDIQUES POUVANT AMELIORER LE RENDEMENT EN ADN
[72] KYSH, DANIEL, GB
[72] ROTHWELL, PAUL, GB
[71] TOUCHLIGHT IP LIMITED, GB
[85] 2024-02-14
[86] 2022-08-16 (PCT/GB2022/052132)
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- [25] EN
- [54] HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF
- [54] TOLE D'ACIER LAMINEE A CHAUD ET SON PROCEDE DE FABRICATION
- [72] DE KNIJF, DORIEN, BE
- [72] WATERSCHOOT, TOM, BE
- [72] LORENZ, ULRIKE, BE
- [72] DUPREZ, LODE, BE
- [72] BRACKE, LIEVEN, BE
- [71] ARCELORMITTAL, LU
- [85] 2024-02-14
- [86] 2021-08-31 (PCT/IB2021/057945)
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- [25] EN
- [54] AROMATIC RING-CONTAINING BIOLOGICAL ANTAGONIST, AND PREPARATION METHOD THEREFOR AND USE THEREOF
- [54] ANTAGONISTE BIOLOGIQUE CONTENANT UN CYCLE AROMATIQUE, SON PROCEDE DE PREPARATION ET SON UTILISATION
- [72] XIAO, HUALING, CN
- [72] DONG, JIAQIANG, CN
- [72] LU, XINGYUN, CN
- [72] LIU, QIANG, CN
- [71] SHANGHAI HANSOH BIOMEDICAL CO., LTD., CN
- [71] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
- [85] 2024-02-19
- [86] 2022-08-26 (PCT/CN2022/115068)
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- [25] EN

- [54] 6-AMINOPYRAZOLOPYRIMIDINE COMPOUND AND MEDICAL USE THEREOF
- [54] COMPOSE DE 6-AMINOPYRAZOLOPYRIMIDINE ET SON UTILISATION PHARMACEUTIQUE

- [72] OHBA, YUSUKE, JP
- [72] ADACHI, KAORU, JP
- [72] NISHIMARU, TATSUYA, JP
- [72] SAKURAI, KENTARO, JP
- [72] OGOSHI, YOSUKE, JP
- [72] SATO, SHIMPEI, JP
- [71] JAPAN TABACCO INC., JP
- [85] 2024-02-14
- [86] 2022-08-30 (PCT/JP2022/032606)
- [87] (WO2023/032987)
- [30] JP (2021-141253) 2021-08-31
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- [25] EN
- [54] SYSTEMS AND METHODS FOR SUPPLYING POWER AND HIGH PRECISION VOLTAGE MEASUREMENT
- [54] SYSTEMES ET PROCEDES D'ALIMENTATION ELECTRIQUE ET DE MESURE DE TENSION DE HAUTE PRECISION
- [72] MIRVAKILI, SEYED MOHAMMAD, CA
- [72] SIM, DOUGLAS HAK HIAN, CA
- [71] SERON ELECTRONICS LTD., CA
- [85] 2024-02-15
- [86] 2022-11-18 (PCT/CA2022/051706)
- [87] (WO2023/087112)
- [30] US (63/264,348) 2021-11-19
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- [25] EN
- [54] HIGH STRENGTH HIGH SLENDERNESS PART HAVING EXCELLENT ENERGY ABSORPTION
- [54] PIECE A HAUTE RESISTANCE ET A HAUT ELACEMENT PRESENTANT UNE EXCELLENTE ABSORPTION D'ENERGIE
- [72] COCU, ARNAUD, FR
- [72] DUMONT, ALICE, FR
- [71] ARCELORMITTAL, LU
- [85] 2024-02-14
- [86] 2022-09-06 (PCT/IB2022/058369)
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- [30] IB (PCT/IB2021/058364) 2021-09-14

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- [25] EN
- [54] A DEVICE AND METHOD FOR ESTIMATING AND MANAGING ROAD SURFACE TYPES USING SOUND SIGNALS.
- [54] DISPOSITIF ET PROCEDE D'ESTIMATION ET DE GESTION DE TYPES DE REVETEMENTSROUTIERS A L'AIDE DE SIGNAUX SONORES.
- [72] KIM, MIN HYUN, KR
- [71] MOVEAWHEEL, INC., KR
- [85] 2024-02-14
- [86] 2022-11-11 (PCT/KR2022/017680)
- [87] (WO2023/090758)
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- [25] EN
- [54] FORMULATION FOR THE PRODUCTION OF POROUS POLYMER PARTICLES
- [54] FORMULATION POUR LA PRODUCTION DE PARTICULES POLYMERES POREUSES
- [72] LALANCETTE, NADIA, CA
- [71] ASTREA UK SERVICES LIMITED, GB
- [85] 2024-02-19
- [86] 2022-09-16 (PCT/GB2022/052347)
- [87] (WO2023/041921)
- [30] GB (2113284.0) 2021-09-17

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- [25] EN
- [54] AUTO INJECTOR WITH MEASUREMENT OF BATTERY CAPACITY LEFT BEFORE RECHARGING IS REQUIRED
- [54] AUTO-INJECTEUR AVEC MESURE DE CAPACITE DE BATTERIE RESTANTE AVANT RECHARGE
- [72] EGESBORG, HENRIK, DK
- [72] ARREDONDO, ABEL, DK
- [72] JENSEN, KURT STAECKER, DK
- [72] CHRISTENSEN, JOHN NORSKOV, DK
- [71] ASCENDIS PHARMA A/S, DK
- [85] 2024-02-15
- [86] 2022-09-29 (PCT/EP2022/077091)
- [87] (WO2023/052487)
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- [25] EN
- [54] PROCESS FOR THE PREPARATION OF PEGYLATED ADRENOMEDULLIN, ITS INTERMEDIATES AND USE THEREOF
- [54] PROCEDE DE PREPARATION D'ADRENOMEDULLINE PEGYLEE, SES INTERMEDIAIRES ET SON UTILISATION
- [72] SCHONLEBER, RALPH O., CH
- [72] STADELMAIER, ANDREAS, DE
- [71] BAYER AKTIENGESELLSCHAFT, DE
- [85] 2024-02-15
- [86] 2022-08-19 (PCT/EP2022/073150)
- [87] (WO2023/021173)
- [30] EP (21192392.5) 2021-08-20

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- [25] EN
- [54] FLOW-OPTIMIZED LINE CONNECTOR AND LINE CONNECTOR ASSEMBLY
- [54] RACCORD DE CONDUITES A ECOULEMENT OPTIMISE ET ENSEMBLE RACCORD DE CONDUITES
- [72] SCHNEIDER, DAVID, DE
- [72] KINTEA, DANIEL, DE
- [72] CLASEN, HANNES, DE
- [71] NORMA GERMANY GMBH, DE
- [85] 2024-02-15
- [86] 2022-09-19 (PCT/EP2022/075969)
- [87] (WO2023/046633)
- [30] DE (10 2021 124 552.4) 2021-09-22

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- [25] EN
- [54] SWEETENER BLEND COMPRISING THAUMATIN AND BRAZZEIN
- [54] MELANGE EDULCORANT COMPRENANT DE LA THAUMATINE ET DE LA BRAZZEINE
- [72] STEPHAN, ANETT, DE
- [72] GIRITCH, ANATOLI, DE
- [72] GLEBA, YURI, DE
- [72] HAHN-LOBMANN, SIMONE, DE
- [72] PROCHASKA, HEIKE, DE
- [71] NOMAD BIOSCIENCE GMBH, DE
- [85] 2024-02-15
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- [25] EN
- [54] PERSONAL CARE COMPOSITIONS CONTAINING POST-BIOTIC BLENDS FOR REBALANCING SKIN MICROBIOME
- [54] COMPOSITIONS DE SOINS PERSONNELS CONTENANT DES MELANGES POST-BIOTIQUES POUR REEQUILIBRER LE MICROBIOME CUTANE
- [72] LI, MIN, US
- [72] FAN, AIXING, US
- [72] SOLIMAN, NADIA, US
- [72] MAO, JUNHONG, US
- [72] BOYD, THOMAS, US
- [72] KHAN, AMIRA, US
- [72] DENNIS, MAVIS, US
- [72] CHUNG, STEPHY QIANWEN, US
- [72] SHAHANI, KOMAL, US
- [71] COLGATE-PALMOLIVE COMPANY, US
- [85] 2024-02-19
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- [30] US (63/239,624) 2021-09-01

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- [25] EN
- [54] METHOD OF DETERMINING A FUTURE COLOR VALUE OR CORRESPONDING PROPERTY AND ARRANGEMENT THEREFOR
- [54] PROCEDE DE DETERMINATION D'UNE VALEUR DE COULEUR FUTURE OU D'UNE PROPRIETE CORRESPONDANTE ET AGENCEMENT ASSOCIE
- [72] SMIATEK, JENS, DE
- [72] BLUHMKI, ERICH, DE
- [72] BURKERT, OLIVER, DE
- [72] KOHLER, BENJAMIN JOSHUA, DE
- [72] LINK, SELINA, DE
- [72] MILLER, MELANIE, DE
- [71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
- [85] 2024-02-15
- [86] 2022-09-02 (PCT/EP2022/074465)
- [87] (WO2023/031409)
- [30] EP (21198590.8) 2021-09-23

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- [54] SYSTEM AND METHOD FOR ASSEMBLY OF A LOW PROFILE PASSIVE PROTECTOR FOR AN I.V. CATHETER
- [54] SYSTEME ET PROCEDE D'ASSEMBLAGE D'UN DISPOSITIF DE PROTECTION PASSIVE PLAT POUR CATHETER IV
- [72] ANTONUCCI, JOSEPH G., US
- [72] ANTONUCCI, JOSEPH B., US
- [72] ANTONUCCI, PHILIP J., US
- [72] MURI, JOHN, US
- [72] BURKE, JEFF ALAN, US
- [72] VELASCO, DANIEL JASON, US
- [72] SPARKS, JOSHUA ALEXANDER, US
- [72] MAGRINI, KEVIN MARTIN, US
- [71] LUTHER NEEDLES SAFE PRODUCTS, LLC, US
- [85] 2024-02-19
- [86] 2022-08-12 (PCT/US2022/040220)
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- [30] US (63/235,055) 2021-08-19
- [30] US (17/812,930) 2022-07-15

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- [25] EN
- [54] COMPOSITE WEAR COMPONENT
- [54] COMPOSANT D'USURE COMPOSITE
- [72] DESILES, STEPHANE, BE
- [71] MAGOTTEAUX INTERNATIONAL S.A., BE
- [85] 2024-02-15
- [86] 2022-09-01 (PCT/EP2022/074347)
- [87] (WO2023/046437)
- [30] EP (21198590.8) 2021-09-23

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- [25] EN
- [54] RESTRICTION DEVICE
- [54] DISPOSITIF DE RESTRICTION
- [72] FORSELL, PETER, SE
- [71] IMPLANTICA PATENT LTD, SE
- [85] 2024-02-15
- [86] 2022-08-26 (PCT/EP2022/073801)
- [87] (WO2023/031045)
- [30] SE (2151041-7) 2021-08-30
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- [30] SE (2250208-2) 2022-02-18

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- [25] EN
- [54] PERSONAL CARE COMPOSITIONS
- [54] COMPOSITIONS DE SOINS PERSONNELS
- [72] MORA-PALE, JUAN MAURICIO, MX
- [72] MELLO, SARITA VERA, US
- [72] GUZMAN, ABIGAIL, MX
- [72] KENNEDY, SHARON, US
- [71] COLGATE-PALMOLIVE COMPANY, US
- [85] 2024-02-19
- [86] 2022-09-03 (PCT/US2022/042563)
- [87] (WO2023/034621)
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[25] EN
[54] ANTI-VEGFR1 ANTIBODIES AND THEIR USES
[54] ANTICORPS ANTI-VEGFR1 ET LEURS UTILISATIONS
[72] BREYER, MATTHEW D., US
[72] GONZALEZ VILLALOBOS, ROMER A., US
[72] LI, JINGJUN, US
[72] RUTKOSKI, THOMAS J., US
[72] SWANSON, RONALD V., US
[72] ZHENG, GANG, US
[72] ZHENG, SONGMAO, US
[72] ZHENG, XIRONG, US
[71] JANSEN BIOTECH, INC., US
[85] 2024-02-15
[86] 2022-08-12 (PCT/US2022/074891)
[87] (WO2023/023465)
[30] US (63/233,343) 2021-08-16
[30] US (63/322,273) 2022-03-22

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[25] EN
[54] METHOD FOR DETERMINING THE CONCENTRATION OF INORGANIC PYROPHOSPHATE
[54] PROCEDE POUR DETERMINER LA CONCENTRATION DE PYROPHOSPHATE INORGANIQUE
[72] DURANTON, CHRISTOPHE, FR
[72] RUBERA, ISABELLE, FR
[72] FAVRE, GUILLAUME ALEXANDRE, FR
[72] LAURAIN, AUDREY, FR
[72] LEFHERIOTIS, GEORGES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE COTE D'AZUR, FR
[71] CHU DE NICE, FR
[85] 2024-02-19
[86] 2022-09-09 (PCT/EP2022/075142)
[87] (WO2023/036949)
[30] EP (21306235.9) 2021-09-09

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[51] Int.Cl. E01B 25/30 (2006.01) E01B 25/24 (2006.01)
[25] EN
[54] TUBE STRUCTURE
[54] STRUCTURE DE TUBE
[72] CHO, WOO-YEON, KR
[71] POSCO CO., LTD, KR
[85] 2024-02-19
[86] 2022-09-14 (PCT/KR2022/013720)
[87] (WO2023/043186)
[30] KR (10-2021-0125047) 2021-09-17

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[51] Int.Cl. C09K 23/04 (2022.01) C09K 8/524 (2006.01) C10L 1/12 (2006.01) C10L 1/16 (2006.01) C10L 1/18 (2006.01) C10L 1/19 (2006.01) C10L 1/24 (2006.01)
[25] EN
[54] AQUEOUS DISPERSIONS OF PARAFFIN INHIBITORS
[54] DISPERSIONS AQUEUSES D'INHIBITEURS DE PARAFFINE
[72] PACKE-WIRTH, RAINER, DE
[72] LAFUENTE CERDA, OSCAR, DE
[72] IKINK, SERGE, NL
[72] DONATH, JAN, DE
[72] PIRRUNG, FRANK, DE
[71] BASF SE, DE
[85] 2024-02-19
[86] 2022-08-17 (PCT/EP2022/072982)
[87] (WO2023/025636)
[30] EP (PCT/EP2021/073751) 2021-08-27

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[51] Int.Cl. C08G 63/91 (2006.01) C08G 63/06 (2006.01) C08G 63/48 (2006.01) C08K 5/01 (2006.01) C08L 91/06 (2006.01) C09K 8/035 (2006.01) C09K 8/524 (2006.01) C10L 1/198 (2006.01) C10L 1/238 (2006.01) C10L 10/16 (2006.01)
[25] EN
[54] HYPERBRANCHED POLYESTERS MODIFIED WITH BRANCHED FATTY ACIDS AND THEIR USE AS PARAFFIN INHIBITORS
[54] POLYESTERS HYPERRAMIFIES MODIFIES PAR DES ACIDES GRAS RAMIFIES ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE PARAFFINE
[72] WOLF, ELENA, DE
[72] LAFUENTE CERDA, OSCAR, DE
[71] BASF SE, DE
[85] 2024-02-19
[86] 2022-08-22 (PCT/EP2022/073281)
[87] (WO2023/030939)
[30] EP (21193760.2) 2021-08-30

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[51] Int.Cl. B65D 50/04 (2006.01)
[25] EN
[54] APPLICATOR CAP FOR DISPENSING TOPICAL PRODUCTS
[54] CAPUCHON APPLICATEUR POUR DISTRIBUER DES PRODUITS TOPIQUES
[72] STRUTHERS, KEN, US
[72] SHARP, DAVID, US
[71] CHATTEM, INC., US
[85] 2024-02-19
[86] 2021-08-20 (PCT/US2021/046963)
[87] (WO2023/022734)

[21] 3,229,441 [13] A1
[51] Int.Cl. G06F 9/455 (2018.01) G06F 21/60 (2013.01) H04L 67/10 (2022.01) G06F 9/50 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR FORMAL MODELLING OF TRUSTED EDGE IOT SECURITY GATEWAYS
[54] SYSTEME ET PROCEDE DE MODELISATION FORMELLE DE PASSERELLES DE SECURITE IDO PERIPHERIQUES DE CONFIANCE
[72] VASUDEVAN, AMIT, US
[72] SEKAR, VYAS, US
[72] MCCORMACK, MATTHEW, US
[71] CARNEGIE MELLON UNIVERSITY, US
[71] VASUDEVAN, AMIT, US
[71] SEKAR, VYAS, US
[71] MCCORMACK, MATTHEW, US
[85] 2024-02-19
[86] 2022-07-13 (PCT/US2022/036906)
[87] (WO2023/022816)
[30] US (63/234,913) 2021-08-19

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[21] **3,229,444**

[13] A1

[51] Int.Cl. G01N 33/542 (2006.01) C07K
16/10 (2006.01)
[25] EN
[54] LUMINESCENT BASED ANTIGEN ASSAY
[54] DOSAGE D'ANTIGENE BASE SUR LA LUMINESCENCE
[72] ROSE, THIERRY, FR
[72] GOYARD, SOPHIE, FR
[72] JANIN, YVES, FR
[72] LAFAYE, PIERRE, FR
[72] AYME, GABRIEL, FR
[72] ESCRIOU, NICOLAS, FR
[72] GRANSAGNE, MARION, FR
[71] INSTITUT PASTEUR, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2024-02-19
[86] 2022-08-23 (PCT/EP2022/073507)
[87] (WO2023/025816)
[30] EP (21306138.5) 2021-08-24

[21] **3,229,446**

[13] A1

[51] Int.Cl. E21C 27/24 (2006.01) E21C
35/06 (2006.01)
[25] EN
[54] REEF CUTTING MACHINE
[54] MACHINE DE HAVAGE DE REEF
[72] JORDAAN, BARENDE JACOBUS, ZA
[72] PRETORIUS, GERHARD, ZA
[72] GOODWIN, NICOLAAS BODENSTEIN, ZA
[72] WANNENBURG, LOUIS, ZA
[72] CROUS, IZAK ABRAM, ZA
[71] AFRICAN RAINBOW MINERALS PLATINUM (PTY) LTD., ZA
[85] 2024-02-19
[86] 2022-08-18 (PCT/IB2022/057746)
[87] (WO2023/021460)
[30] ZA (2021/05907) 2021-08-18

[21] **3,229,447**

[13] A1

[51] Int.Cl. C07K 16/28 (2006.01)
[25] EN
[54] ANTIBODIES THAT TARGET HLA-E-HOST PEPTIDE COMPLEXES AND USES THEREOF
[54] ANTICORPS CIBLANT DES COMPLEXES PEPTIDIQUES HLA-E-HOTE ET LEURS UTILISATIONS
[72] LI, DAPENG, US
[72] MCMICHAEL, ANDREW JAMES, GB
[72] BRACKENRIDGE, SIMON, GB
[72] GILLESPIE, GERALDINE, GB
[72] AZOITEI, MIHAI, US
[72] WALTERS, LUCY C., GB
[72] SAUNDERS, KEVIN O., US
[72] HAYNES, BARTON F., US
[71] DUKE UNIVERSITY, US
[71] THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD, GB
[71] LI, DAPENG, US
[71] MCMICHAEL, ANDREW JAMES, GB
[71] BRACKENRIDGE, SIMON, GB
[71] GILLESPIE, GERALDINE, GB
[71] AZOITEI, MIHAI, US
[71] WALTERS, LUCY C., GB
[71] SAUNDERS, KEVIN O., US
[71] HAYNES, BARTON F., US
[85] 2024-02-19
[86] 2022-08-19 (PCT/US2022/075241)
[87] (WO2023/023663)
[30] US (63/235,535) 2021-08-20
[30] US (PCT/US2021/050537) 2021-09-15

[21] **3,229,448**

[13] A1

[51] Int.Cl. C07K 16/28 (2006.01) A61P
35/00 (2006.01)
[25] EN
[54] ANTI-CD161 ANTIBODIES AND USES THEREOF
[54] ANTICORPS ANTI-CD161 ET LEURS UTILISATIONS
[72] TISDALE, ALISON, US
[72] BIALUCHA, ULI, US
[72] PUNKOSDY, GEORGE, US
[72] FUSCO, ALEXANDRIA, US
[72] IRVINE, FRANO, US
[72] ROSENTRATER, EMILY, US
[72] SCANLON, ELIZABETH, US
[72] BATTLES, MICHAEL, US
[71] IMMUNITAS THERAPEUTICS, INC., US
[85] 2024-02-15
[86] 2022-08-23 (PCT/US2022/075370)
[87] (WO2023/028501)
[30] US (63/236,122) 2021-08-23

[21] **3,229,449**

[13] A1

[51] Int.Cl. G01S 19/42 (2010.01)
[25] EN
[54] MISSION SPACE
[54] ESPACE DE MISSION
[72] SEO, HYUN KYU, US
[72] MARGOTTA, CHAD MATTHEW, US
[72] WERLING, MICHAEL THOMAS, US
[72] PAVLICK, TIM, US
[71] HAWKEYE 360, INC., US
[85] 2024-02-19
[86] 2022-08-22 (PCT/US2022/041128)
[87] (WO2023/023408)
[30] US (63/235,338) 2021-08-20

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[21] 3,229,450
[13] A1

[51] Int.Cl. C07K 14/725 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C12N 9/22 (2006.01) C12N 15/90 (2006.01)

[25] EN

[54] NONVIRAL GENERATION OF GENOME EDITED CHIMERIC ANTIGEN RECEPTOR T CELLS

[54] GENERATION NON VIRALE DE LYMPHOCYTES T PORTEURS DE RECEPTEURS ANTIGENIQUES CHIMERIQUES OBTENUS PAR EDITION GENIQUE

[72] SAHA, KRISHANU, US

[72] CAPITINI, CHRISTIAN MATTHEW, US

[72] MUELLER, KATHERINE PAIGE, US

[72] PISCOPO, NICOLE JENINE, US

[72] DAS, AMRITAVA, US

[72] FORSBERG, MATTHEW HULL, US

[72] SARASPE, LOUISE ARMIE, US

[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US

[85] 2024-02-15

[86] 2022-08-19 (PCT/US2022/075193)

[87] (WO2023/023635)

[30] US (17/407,606) 2021-08-20

[21] 3,229,451
[13] A1

[51] Int.Cl. C10J 3/84 (2006.01)

[25] EN

[54] ELIMINATION OF POLY- AND PERFLUOROALKYL SUBSTANCES (PFAS) IN A WASTEWATER BIOSOLIDS GASIFICATION PROCESS USING A THERMAL OXIDIZER AND HYDRATED LIME INJECTION

[54] ELIMINATION DE SUBSTANCES POLYFLUOROALKYLEES ET PERFLUOROALKYLEES (PFAS) DANS UN PROCEDE DE GAZEIFICATION DE BIOSOLIDES D'EAUX USEES A L'AIDE D'UN OXYDANT THERMIQUE ET D'UNE INJECTION DE CHAUX HYDRATE

[72] NEWMAN, MATTHEW, US

[72] THORNTON, JOEL, US

[72] DAVIS, BRANDON, US

[72] KELFKENS, RENUS, US

[72] HUDSON, RON, US

[72] ROBERTSON, MARK, US

[71] ARIES CLEAN TECHNOLOGIES LLC, US

[85] 2024-02-19

[86] 2022-08-18 (PCT/US2022/040677)

[87] (WO2023/023208)

[30] US (17/406,188) 2021-08-19

[21] 3,229,453
[13] A1

[51] Int.Cl. C12N 15/82 (2006.01) C07K 14/415 (2006.01)

[25] EN

[54] PLANT REGULATORY ELEMENTS AND USES THEREOF

[54] ELEMENTS REGULATEURS DE PLANTE ET LEURS UTILISATIONS

[72] CHITTOOR, JAISHREE M., US

[72] FLASINSKI, STANISLAW, US

[71] MONSANTO TECHNOLOGY LLC, US

[85] 2024-02-15

[86] 2022-08-15 (PCT/US2022/074972)

[87] (WO2023/023485)

[30] US (63/234,175) 2021-08-17

[21] 3,229,452
[13] A1

[51] Int.Cl. B65D 88/08 (2006.01) E04H 7/06 (2006.01)

[25] EN

[54] TANK AND SILO SYSTEM

[54] RESERVOIR ET SYSTEME DE SILO

[72] CUTRI, FRANK, GB

[72] BROOK, JOHNATHON, GB

[72] GARE, ANDREW, GB

[71] PERMASTORE LIMITED, GB

[85] 2024-02-19

[86] 2022-08-24 (PCT/GB2022/052180)

[87] (WO2023/026046)

[30] GB (2112120.7) 2021-08-24

[21] 3,229,454
[13] A1

[51] Int.Cl. A63F 13/235 (2014.01) A63F 13/327 (2014.01)

[25] EN

[54] ACCESSORY DEVICE COMMUNICATION UTILIZING HOST-SYNCHRONIZED TRANSMISSION

[54] COMMUNICATION DE DISPOSITIF ACCESOIRE PAR UNE TRANSMISSION SYNCHRONISEE PAR HOTE

[72] LEA, PERRY VICTOR, US

[72] CHINTALAPUDI, KRISHNA KANT, US

[72] RANTA, STEVEN WILLIAM, US

[72] NARLANKA, GOPALA SRIHARI, US

[72] ADERMANN, STANLEY WILLIAM, US

[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2024-02-15

[86] 2022-08-24 (PCT/US2022/041285)

[87] (WO2023/048883)

[30] US (17/480,817) 2021-09-21

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[21] 3,229,455

[13] A1

- [51] Int.Cl. A24F 40/40 (2020.01)
 - [25] EN
 - [54] AN AEROSOL PROVISION DEVICE
 - [54] DISPOSITIF DE FOURNITURE D'AEROSOL
 - [72] XIAOFENG, XU, GB
 - [72] SUTTON, JOSEPH, GB
 - [72] GUANGHUI, LI, CN
 - [72] CHAO, ZHANG, CN
 - [71] NICOVENTURES TRADING LIMITED, GB
 - [85] 2024-02-19
 - [86] 2022-06-29 (PCT/GB2022/051679)
 - [87] (WO2023/031575)
 - [30] GB (2112404.5) 2021-08-31
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[21] 3,229,456

[13] A1

- [51] Int.Cl. A24F 40/485 (2020.01) A24F 15/015 (2020.01)
- [25] EN
- [54] RESERVOIR FOR A REFILLING DEVICE, DEVICE AND METHOD FOR REFILLING AN ARTICLE OF AN AEROSOL PROVISION SYSTEM, NOZZLE FOR FLUID DISPENSING, AND REFILLABLE ARTICLE FOR AN ELECTRONIC AEROSOL PROVISION SYSTEM
- [54] RESERVOIR POUR UN DISPOSITIF DE RECHARGE, DISPOSITIF ET PROCEDE POUR RECHARGER UN ARTICLE D'UN SYSTEME DE FOURNITURE D'AEROSOL, BUSE POUR DISTRIBUTION DE FLUIDE, ET ARTICLE RECHARGEABLE POUR UN SYSTEME DE FOURNITURE D'AEROSOL ELECTRONIQUE
- [72] JACKSON, STEPHEN, GB
- [72] MURISON, IAN, GB
- [72] COCKING, RYAN, GB
- [71] NICOVENTURES TRADING LIMITED, GB
- [85] 2024-02-19
- [86] 2022-08-24 (PCT/GB2022/052178)
- [87] (WO2023/031580)
- [30] GB (2112580.2) 2021-09-03
- [30] GB (2112581.0) 2021-09-03
- [30] GB (2112582.8) 2021-09-03
- [30] GB (2112583.6) 2021-09-03

[21] 3,229,457

[13] A1

- [51] Int.Cl. G06F 30/20 (2020.01) G06Q 50/02 (2012.01) G06N 20/00 (2019.01) G06F 30/28 (2020.01) E21B 43/16 (2006.01) E21B 47/00 (2012.01) E21B 49/00 (2006.01)
 - [25] EN
 - [54] EOR DESIGN AND IMPLEMENTATION SYSTEM
 - [54] SYSTEME DE CONCEPTION ET DE MISE EN OEUVRE DE RAP
 - [72] GURPINAR, OMER, US
 - [72] MORENO ORTIZ, JAIME EDUARDO, ID
 - [72] LIU, YUN LONG, CN
 - [71] SCHLUMBERGER CANADA LIMITED, CA
 - [85] 2024-02-15
 - [86] 2022-08-18 (PCT/US2022/040707)
 - [87] (WO2023/023218)
 - [30] US (63/260,379) 2021-08-18
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[21] 3,229,458

[13] A1

- [51] Int.Cl. A23L 2/60 (2006.01) A23L 27/00 (2016.01) A23L 27/30 (2016.01) A23L 33/185 (2016.01) C07K 14/43 (2006.01)
- [25] EN
- [54] SWEETENING COMPOSITION COMPRISING THAUMATIN AND MOGROSIDES
- [54] COMPOSITION EDULCORANTE COMPRENANT DE LA THAUMATINE ET DES MOGROSIDES
- [72] STEPHAN, ANETT, DE
- [72] GIRITCH, ANATOLI, DE
- [72] GLEBA, YURI, DE
- [71] NOMAD BIOSCIENCE GMBH, DE
- [85] 2024-02-15
- [86] 2022-08-22 (PCT/EP2022/073337)
- [87] (WO2023/021220)
- [30] US (63/235,260) 2021-08-20

[21] 3,229,460

[13] A1

- [51] Int.Cl. A23J 3/14 (2006.01) A23L 13/40 (2023.01) A23C 11/00 (2006.01) A23J 3/22 (2006.01)
 - [25] EN
 - [54] EDIBLE PLANT-BASED PROTEIN COMPOSITION
 - [54] COMPOSITION PROTEIQUE COMESTIBLE A BASE DE PLANTES
 - [72] GARUDA, LIRAN, IL
 - [72] EKHOIZ RAZMOVICH, HADAR, IL
 - [72] FELDMAN SIVAN, TALI, IL
 - [72] BEN YOSEF SHUSTER, VERED, IL
 - [71] MEALA FOODTECH LTD, IL
 - [85] 2024-02-15
 - [86] 2022-08-28 (PCT/IL2022/050932)
 - [87] (WO2023/031914)
 - [30] US (63/238,172) 2021-08-29
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[21] 3,229,462

[13] A1

- [51] Int.Cl. G01D 5/353 (2006.01)
- [25] EN
- [54] REAL-TIME QUASI-COHERENT DETECTION AND FIBER SENSING USING MULTI-FREQUENCY SIGNALS
- [54] DETECTION QUASI-COHERENTE EN TEMPS REEL ET DETECTION DE FIBRES A L'AIDE DE SIGNAUX MULTIFREQUENTIELS
- [72] ROWEN, EITAN, IL
- [72] GORODESKY, NIV, IL
- [72] INBAR, ERAN, IL
- [71] PRISMA PHOTONICS LTD, IL
- [85] 2024-02-19
- [86] 2022-08-18 (PCT/IL2022/050908)
- [87] (WO2023/021519)
- [30] US (63/234,255) 2021-08-18
- [30] US (63/398,534) 2022-08-17

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[21] 3,229,464
[13] A1

[51] Int.Cl. C07C 233/54 (2006.01) C07C 255/14 (2006.01) C07C 259/06 (2006.01) C07C 307/06 (2006.01) C07C 311/51 (2006.01) C07D 295/26 (2006.01)
[25] EN
[54] HERBICIDAL MALONAMIDES
[54] MALONAMIDES HERBICIDES
[72] KORDES, MARKUS, DE
[72] ZIMMERMANN, GUNTHER, DE
[72] HEINRICH, MARC, DE
[72] SEISER, TOBIAS, DE
[72] NEWTON, TREVOR WILLIAM, DE
[72] KRAEMER, GERD, DE
[71] BASF SE, DE
[85] 2024-02-19
[86] 2022-08-24 (PCT/EP2022/073598)
[87] (WO2023/025854)
[30] EP (21193037.5) 2021-08-25

[21] 3,229,465
[13] A1

[51] Int.Cl. B26D 1/147 (2006.01)
[25] EN
[54] SLICER FOR TOPPING
[54] TRANCHEUSE POUR GARNITURE
[72] TANAKA, SAMUEL, US
[72] LENT, CORY, US
[72] NORMAN, JOHN PAUL, US
[71] LAB2FAB, LLC, US
[85] 2024-02-19
[86] 2022-09-02 (PCT/US2022/042534)
[87] (WO2023/034613)
[30] US (63/240,351) 2021-09-02

[21] 3,229,466
[13] A1

[51] Int.Cl. C07C 233/54 (2006.01)
[25] EN
[54] HERBICIDAL MALONAMIDES
[54] MALONAMIDES HERBICIDES
[72] KORDES, MARKUS, DE
[72] HEINRICH, MARC, DE
[72] ZIMMERMANN, GUNTHER, DE
[72] SEISER, TOBIAS, DE
[72] KRAEMER, GERD, DE
[72] NEWTON, TREVOR WILLIAM, DE
[71] BASF SE, DE
[85] 2024-02-19
[86] 2022-08-24 (PCT/EP2022/073602)
[87] (WO2023/025855)
[30] EP (21193044.1) 2021-08-25

[21] 3,229,467
[13] A1

[51] Int.Cl. G06N 3/12 (2023.01) G16B 30/00 (2019.01)
[25] EN
[54] MULTIPLEX, TEMPORALLY RESOLVED MOLECULAR SIGNAL RECORDER AND RELATED METHODS
[54] MULTIPLEX, ENREGISTREUR DE SIGNAL MOLECULAIRE A RESOLUTION TEMPORELLE ET PROCEDES ASSOCIES
[72] CHEN, WEI, US
[72] SHENDURE, JAY, US
[72] CHOI, JUNHONG, US
[71] UNIVERSITY OF WASHINGTON, US
[85] 2024-02-19
[86] 2022-09-01 (PCT/US2022/075857)
[87] (WO2023/034931)
[30] US (63/240,143) 2021-09-02

[21] 3,229,468
[13] A1

[51] Int.Cl. B66F 7/28 (2006.01)
[25] EN
[54] FOUR POST WORKPIECE LIFT FOR SPORTSVEHICLES AND SMALL MACHINES
[54] PONT ELEVATEUR POUR PIECE A QUATRE COLONNES POUR VEHICULES DE SPORT ET PETITES MACHINES
[72] BROUILLETTE, YVES, CA
[71] BROUILLETTE, YVES, CA
[85] 2024-02-19
[86] 2023-06-15 (PCT/CA2023/050829)
[87] (WO2023/240355)
[30] US (63/352,771) 2022-06-16

[21] 3,229,469
[13] A1

[51] Int.Cl. A61P 35/00 (2006.01) C12N 9/10 (2006.01) G01N 21/64 (2006.01) G01N 33/68 (2006.01)
[25] EN
[54] PROTEIN ARRAY-BASED IN VITRO TRANSGLUTAMINASE ASSAY FOR EPITOPE MAPPING AND IMMUNOGEN DESIGN
[54] PLATE-FORME DE DOSAGE DE TRANSGLUTAMINASE IN VITRO BASEE SUR UNE PUCE A PROTEINES POUR CARTOGRAPHIE D'EPITOPE ET CONCEPTION D'IMMUNOGENE
[72] LIU, CHEN, US
[71] LIU, CHEN, US
[85] 2024-02-19
[86] 2022-08-19 (PCT/IB2022/000547)
[87] (WO2023/021335)
[30] US (63/235,135) 2021-08-20

[21] 3,229,470
[13] A1

[51] Int.Cl. A23J 1/00 (2006.01) A23J 1/14 (2006.01) A23J 3/16 (2006.01)
[25] EN
[54] METHOD OF PRODUCING PROTEIN ISOLATE FROM SUNFLOWER MEAL
[54] PROCEDE DE PRODUCTION D'ISOLAT DE PROTEINE A PARTIR DE FARINE DE TOURNEFOL
[72] VORONTSOV, OLEKSII IVANOVYCH, UA
[72] TARSHYN, STANISLAV IVANOVYCH, UA
[71] TARSHYN&CO LIMITED, GB
[85] 2024-02-15
[86] 2022-08-17 (PCT/UA2022/000044)
[87] (WO2023/022696)
[30] UA (a 2021 04736) 2021-08-19

PCT Applications Entering the National Phase

[21] 3,229,471

[13] A1

[51] Int.Cl. C09K 5/04 (2006.01)

[25] EN

[54] HEAT TRANSFER COMPOSITIONS, METHODS, AND SYSTEMS

[54] COMPOSITIONS, PROCEDES ET SYSTEMES DE TRANSFERT DE CHALEUR

[72] GAO, KAIMI, US

[72] TANGRI, HENNA, US

[72] SETHI, ANKIT, US

[72] HULSE, RYAN, US

[71] HONEYWELL INTERNATIONAL INC., US

[85] 2024-02-20

[86] 2022-08-15 (PCT/US2022/074966)

[87] (WO2023/023483)

[30] US (63/235,184) 2021-08-20

[30] US (17/872,434) 2022-07-25

[21] 3,229,472

[13] A1

[51] Int.Cl. A21D 13/045 (2017.01) A23L 11/30 (2016.01) A23L 33/185 (2016.01) A21D 13/064 (2017.01) A21D 13/066 (2017.01) A21D 2/26 (2006.01) A23J 3/14 (2006.01)

[25] EN

[54] DE-FLAVORED PEA PROTEIN CONCENTRATES AND METHODS OF MANUFACTURE

[54] CONCENTRES DE PROTEINES DE POIS DESAROMATISEES ET PROCEDES DE FABRICATION

[72] ANDERSON, LAUREN, US

[72] BENDER, SHARON, US

[72] COUTROS-HOFFMANN, STELLA, US

[72] DAR, YADUNANDAN, US

[72] JEGEDE, OYELAYO, US

[72] WELCHOFF, MARJORIE, US

[72] MURTHY, VISHNU, US

[72] O'CONNELL, XAVIER, US

[72] SANGHANI, JAY, US

[72] SHAH, TUSHAR, US

[72] SHARIFF, ROXANNA, US

[72] SKORGE, ROBERT, US

[72] SONG, DELONG, US

[72] XUE, MENG, US

[72] CUMMINS, ALEXANDRA, US

[71] CORN PRODUCTS DEVELOPMENT, INC., US

[71] INGREDION PLANT BASED PROTEIN SPECIALTIES (CANADA), INC., CA

[85] 2024-02-20

[86] 2022-08-16 (PCT/US2022/040455)

[87] (WO2023/023048)

[30] US (63/235,229) 2021-08-20

[21] 3,229,473

[13] A1

[51] Int.Cl. A23L 11/30 (2016.01) A21D 13/045 (2017.01) A21D 13/064 (2017.01) A21D 13/066 (2017.01) A21D 2/36 (2006.01)

[25] EN

[54] DE-FLAVORED LEGUME FLOURS AND METHODS OF MANUFACTURE

[54] FARINES DE LEGUMINEUSES DESAROMATISEES ET PROCEDES DE FABRICATION

[72] ANDERSON, LAUREN, US

[72] BENDER, SHARON, US

[72] COUTROS-HOFFMANN, STELLA, US

[72] DAR, YADUNANDAN, US

[72] JEGEDE, OYELAYO, US

[72] WELCHOFF, MARJORIE, US

[72] MURTHY, VISHNU, US

[72] O'CONNELL, XAVIER, US

[72] OZER, CANAN, US

[72] SHAH, TUSHAR, US

[72] SHARIFF, ROXANNA, US

[72] SKORGE, ROBERT, US

[72] SONG, DELONG, US

[72] XUE, MENG, US

[71] CORN PRODUCTS DEVELOPMENT, INC., US

[71] INGREDION PLANT BASED PROTEIN SPECIALTIES (CANADA), INC., CA

[85] 2024-02-20

[86] 2022-08-16 (PCT/US2022/040453)

[87] (WO2023/023046)

[30] US (63/235,191) 2021-08-20

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- [51] Int.Cl. E21B 29/00 (2006.01) E21B 33/16 (2006.01) E21B 34/10 (2006.01) E21B 34/14 (2006.01) E21B 43/12 (2006.01)
 - [25] EN
 - [54] FLOW ACTIVATED ON-OFF CONTROL SUB FOR PERSEUS CUTTER
 - [54] RACCORD DOUBLE FEMELLE DE COMMANDE MARCHE-ARRET ACTIVE PAR L'ECOULEMENT POUR DISPOSITIF DE COUPE PERSEUS
 - [72] MUNIR, WAQAS, US
 - [72] LARSEN, ADAM, US
 - [71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
 - [85] 2024-02-20
 - [86] 2022-08-19 (PCT/US2022/040833)
 - [87] (WO2023/023295)
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- [25] EN
- [54] DE-FLAVORED FAVA PROTEIN CONCENTRATES AND METHODS OF MANUFACTURE
- [54] CONCENTRES PROTEIQUES DE FAVA DEAROMATISES ET LEURS PROCEDES DE FABRICATION
- [72] BENDER, SHARON, US
- [72] JEGEDE, OYELAYO, US
- [72] O'CONNELL, XAVIER, US
- [72] SHARIFF, ROXANNA, US
- [72] SONG, DELONG, US
- [72] XUE, MENG, US
- [71] CORN PRODUCTS DEVELOPMENT, INC., US
- [85] 2024-02-20
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- [25] EN
- [54] COMPOSITE AMINE ABSORBENT, REMOVAL UNIT, AND REMOVAL METHOD
- [54] LIQUIDE D'ABSORPTION COMPOSE D'AMINES, APPAREIL D'ELIMINATION ET PROCEDE D'ELIMINATION
- [72] TANAKA, HIROSHI, JP
- [72] HIRATA, TAKUYA, JP
- [72] TSUJIUCHI, TATSUYA, JP
- [72] SUGIURA, TAKUYA, JP
- [72] KAMIO, TAKASHI, JP
- [72] NOBORISATO, TOMOKI, JP
- [71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
- [71] THE KANSAI ELECTRIC POWER CO., INC., JP
- [85] 2024-02-15
- [86] 2022-08-24 (PCT/JP2022/031879)
- [87] (WO2023/027105)
- [30] JP (2021-138177) 2021-08-26

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 - [25] EN
 - [54] CARBONACEOUS MATERIAL-COATED GRAPHITE PARTICLES, NEGATIVE ELECTRODE FOR LITHIUM ION SECONDARY BATTERIES, AND LITHIUM ION SECONDARY BATTERY
 - [54] PARTICULES DE GRAPHITE REVETUES DE MATERIAU CARBONE, ELECTRODE NEGATIVE POUR BATTERIES RECHARGEABLES AU LITHIUM-ION, ET BATTERIE RECHARGEABLE AU LITHIUM-ION
 - [72] SUTO MIKITO, JP
 - [72] FUSHIWAKI YUSUKE, JP
 - [72] MATSUZAKI AKIRA, JP
 - [72] YAMAJI RYOTA, JP
 - [72] HAGA RYUTA, JP
 - [71] JFE CHEMICAL CORPORATION, JP
 - [71] JFE STEEL CORPORATION, JP
 - [85] 2024-02-15
 - [86] 2022-07-28 (PCT/JP2022/029179)
 - [87] (WO2023/021959)
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- [25] EN
- [54] A METHOD FOR PRODUCING A FILM COMPRISING MICROFIBRILLATED CELLULOSE, AND A FILM COMPRISING MICROFIBRILLATED CELLULOSE
- [54] PROCEDE POUR LA PRODUCTION D'UN FILM COMPRENANT DE LA CELLULOSE MICROFIBRILLEE ET FILM COMPRENANT DE LA CELLULOSE MICROFIBRILLEE
- [72] NYLEN, OTTO, FI
- [72] HEISKANEN, ISTO, FI
- [72] KANKKUNEN, JUKKA, FI
- [72] BACKFOLK, KAJ, FI
- [71] STORA ENSO OYJ, FI
- [85] 2024-02-15
- [86] 2022-08-31 (PCT/IB2022/058163)
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<p>[13] A1</p> <p>[51] Int.Cl. A61K 31/352 (2006.01) G16H 20/10 (2018.01) G16C 20/00 (2019.01) G16C 20/20 (2019.01) G16C 20/70 (2019.01) A61K 9/51 (2006.01) A61K 31/05 (2006.01) A61P 1/16 (2006.01) A61P 35/00 (2006.01) C07C 39/23 (2006.01) C07D 311/58 (2006.01) C07D 311/80 (2006.01)</p> <p>[25] EN</p> <p>[54] A PHARMACEUTICAL PLATFORM TECHNOLOGY FOR DRUG DISCOVERY AND CONSUMER HEALTH PRODUCT DEVELOPMENT</p> <p>[54] TECHNOLOGIE DE PLATEFORME PHARMACEUTIQUE POUR LA DECOUVERTE DE MEDICAMENTS ET LE DEVELOPPEMENT DE PRODUITS DE SANTE DE CONSOMMATEURS</p> <p>[72] TAM, YUN KAU, CA</p> <p>[72] TSENG, CHIH-YUAN, CA</p> <p>[72] BJORNDAHL, TRENT, CA</p> <p>[71] TAM, YUN KAU, CA</p> <p>[71] SINOVEDA CANADA INC., CA</p> <p>[85] 2024-02-15</p> <p>[86] 2022-08-19 (PCT/IB2022/057780)</p> <p>[87] (WO2023/021472)</p> <p>[30] US (63/234,910) 2021-08-19</p> <p>[30] US (63/234,917) 2021-08-19</p>	<p>[13] A1</p> <p>[51] Int.Cl. E04B 1/76 (2006.01) E04B 1/80 (2006.01)</p> <p>[25] EN</p> <p>[54] ATTACHMENT STRUCTURE FOR HEAT INSULATING MATERIAL</p> <p>[54] STRUCTURE DE FIXATION POUR MATERIAU D'ISOLATION THERMIQUE</p> <p>[72] MATSUMOTO, TAKASHI, JP</p> <p>[71] DDP SPECIALTY ELECTRONIC MATERIALS US, LLC, US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-12 (PCT/US2022/040179)</p> <p>[87] (WO2023/022934)</p> <p>[30] JP (2021-134173) 2021-08-19</p>	<p>[13] A1</p> <p>[51] Int.Cl. A24B 15/18 (2006.01) A23L 3/16 (2006.01)</p> <p>[25] EN</p> <p>[54] PASTEURIZATION UNIT AND METHODS OF USING THE SAME</p> <p>[54] UNITE DE PASTEURISATION ET SES PROCEDES D'UTILISATION</p> <p>[72] SANFILIPPO, JAMES, J., US</p> <p>[72] SANFILIPPO, JOHN, US</p> <p>[71] SANFILIPPO TECH, LLC, US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-16 (PCT/US2022/040522)</p> <p>[87] (WO2023/023103)</p> <p>[30] US (63/233,625) 2021-08-16</p> <p>[30] US (63/262,683) 2021-10-18</p>
<p style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">[21] 3,229,495</p> <p>[13] A1</p> <p>[51] Int.Cl. B01J 23/08 (2006.01) B01J 27/24 (2006.01) B01J 37/02 (2006.01) B01J 37/16 (2006.01) C07C 2/76 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND CATALYST FOR METHANE CONVERSION TO CYCLOHEXANE</p> <p>[54] PROCEDE ET CATALYSEUR POUR LA CONVERSION DU METHANE EN CYCLOHEXANE</p> <p>[72] LI, CHOA-JUN, CA</p> <p>[72] TAN, LIDA, CA</p> <p>[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-31 (PCT/CA2022/051315)</p> <p>[87] (WO2023/028705)</p> <p>[30] US (63/240,048) 2021-09-02</p>	<p style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">[21] 3,229,499</p> <p>[13] A1</p> <p>[51] Int.Cl. H04W 24/02 (2009.01)</p> <p>[25] EN</p> <p>[54] COMMUNICATION METHOD AND APPARATUS</p> <p>[54] PROCEDE ET APPAREIL DE COMMUNICATION</p> <p>[72] GAN, MING, CN</p> <p>[72] GUO, YUCHEN, CN</p> <p>[72] HUANG, GUOGANG, CN</p> <p>[72] YANG, XUN, CN</p> <p>[71] HUAWEI TECHNOLOGIES CO., LTD., CN</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-17 (PCT/CN2022/112957)</p> <p>[87] (WO2023/020525)</p> <p>[30] CN (202110957217.1) 2021-08-19</p>	<p style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">[21] 3,229,502</p> <p>[13] A1</p> <p>[51] Int.Cl. C08K 3/36 (2006.01)</p> <p>[25] EN</p> <p>[54] EMULSIONS CONTAINING FUMED SILICA</p> <p>[54] EMULSIONS CONTENANT DE LA SILICE PYROGENEE</p> <p>[72] KRIECH, DOUGLAS, US</p> <p>[72] KRIECH, ANTHONY, J., US</p> <p>[71] HERITAGE RESEARCH GROUP, LLC, US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-17 (PCT/US2022/040538)</p> <p>[87] (WO2023/023111)</p> <p>[30] US (63/260,397) 2021-08-19</p> <p>[30] US (63/264,689) 2021-11-30</p>
<p style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">[21] 3,229,500</p> <p>[13] A1</p> <p>[51] Int.Cl. A61K 38/08 (2019.01) C07K 7/06 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTIMICROBIAL COMPOUNDS AND THE METHOD OF USE</p> <p>[54] COMPOSES ANTIMICROBIENS ET LEUR PROCEDE D'UTILISATION</p> <p>[72] BICKER, KEVIN LEE, US</p> <p>[72] GREEN, ROBERT MADISON, US</p> <p>[71] MIDDLE TENNESSEE STATE UNIVERSITY, US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-15 (PCT/US2022/040309)</p> <p>[87] (WO2023/022969)</p> <p>[30] US (63/233,522) 2021-08-16</p>	<p style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">[21] 3,229,503</p> <p>[13] A1</p> <p>[51] Int.Cl. C07K 16/24 (2006.01) A61K 39/00 (2006.01) C07K 14/55 (2006.01)</p> <p>[25] EN</p> <p>[54] PHARMACEUTICAL COMPOSITION CONTAINING FUSION PROTEIN</p> <p>[54] COMPOSITION PHARMACEUTIQUE CONTENANT UNE PROTEINE DE FUSION</p> <p>[72] MA, XIAZHEN, CN</p> <p>[72] TIAN, CHENMIN, CN</p> <p>[72] LI, XIAOFEI, CN</p> <p>[71] JIANGSU HENGRII PHARMACEUTICALS CO., LTD., CN</p> <p>[71] SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD., CN</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-25 (PCT/CN2022/114858)</p> <p>[87] (WO2023/025249)</p> <p>[30] CN (202110985497.7) 2021-08-25</p>	

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<p style="text-align: right;">[21] 3,229,504 [13] A1</p> <p>[51] Int.Cl. B67D 7/76 (2010.01) B67D 7/70 (2010.01) B67D 7/78 (2010.01)</p> <p>[25] EN</p> <p>[54] A PUMPING SYSTEM WITH AN EQUALIZER TUBE</p> <p>[54] SYSTEME DE POMPAGE DOTE D'UN TUBE EGALISEUR</p> <p>[72] DICKE, MARTIN, DE</p> <p>[71] DOVER FUELING SOLUTIONS UK LIMITED, GB</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-11 (PCT/EP2022/072578)</p> <p>[87] (WO2023/041265)</p> <p>[30] SE (2151136-5) 2021-09-16</p>	<p style="text-align: right;">[21] 3,229,506 [13] A1</p> <p>[51] Int.Cl. A24F 1/30 (2006.01) A24D 1/14 (2006.01)</p> <p>[25] EN</p> <p>[54] HOOKAH DEVICE AND IMPROVED CONSUMABLE POD</p> <p>[54] DISPOSITIF DE NARGUILÉ ET CAPSULE CONSOMMABLE AMELIOREE</p> <p>[72] SAWHNEY, RAVI KUMAR, US</p> <p>[72] VERNON, JOHN MARK VERNON, US</p> <p>[72] ELAM, JOHN MICHAEL, US</p> <p>[72] HUSSEY, LANCE GORDON, US</p> <p>[71] ADALSAI LIMITED, CY</p> <p>[85] 2024-02-20</p> <p>[86] 2022-09-08 (PCT/IB2022/000589)</p> <p>[87] (WO2023/037166)</p> <p>[30] US (63/242,735) 2021-09-10</p> <p>[30] US (63/242,757) 2021-09-10</p> <p>[30] US (63/242,764) 2021-09-10</p> <p>[30] US (63/242,775) 2021-09-10</p> <p>[30] US (63/242,787) 2021-09-10</p>	<p style="text-align: right;">[21] 3,229,510 [13] A1</p> <p>[51] Int.Cl. E04C 1/40 (2006.01) E04C 2/04 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITE FOAM-GLASS ELEMENTS AND THEIR APPLICATION</p> <p>[54] ELEMENTS SANDWICH EN VERRE CELLULAIRE ET LEUR UTILISATION</p> <p>[72] FRANK, WALTER, DE</p> <p>[71] SG SCHAUMGLAS GMBH & CO. KG, DE</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-19 (PCT/EP2022/073258)</p> <p>[87] (WO2023/021210)</p> <p>[30] DE (10 2021 121 595.1) 2021-08-19</p>
<p style="text-align: right;">[21] 3,229,505 [13] A1</p> <p>[51] Int.Cl. B66F 9/06 (2006.01) B66F 9/075 (2006.01) B66F 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR OPERATING A MEANS OF TRANSPORT</p> <p>[54] PROCEDE DE FONCTIONNEMENT D'UN MOYEN DE TRANSPORT</p> <p>[72] STOIBER, PETER, DE</p> <p>[71] SCHILLER AUTOMATISIERUNGSTECHNIK GMBH, DE</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-11 (PCT/EP2022/072590)</p> <p>[87] (WO2023/020940)</p> <p>[30] DE (10 2021 004 184.4) 2021-08-17</p>	<p style="text-align: right;">[21] 3,229,507 [13] A1</p> <p>[51] Int.Cl. F24F 1/0047 (2019.01) F24F 11/32 (2018.01) F24F 11/33 (2018.01) F24F 11/39 (2018.01) F24F 11/52 (2018.01) F24F 11/526 (2018.01) F24F 11/89 (2018.01) F24F 1/0071 (2019.01) F24F 1/0314 (2019.01) F24F 1/0328 (2019.01) F24F 8/22 (2021.01)</p> <p>[25] EN</p> <p>[54] A SPACE SERVICING ASSEMBLY</p> <p>[54] ENSEMBLE D'ENTRETIEN D'ESPACE</p> <p>[72] RAHMAN, SAJIDUR, GB</p> <p>[71] RAHMAN, SAJIDUR, GB</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-18 (PCT/EP2022/073132)</p> <p>[87] (WO2023/021164)</p> <p>[30] GB (2111842.7) 2021-08-18</p>	<p style="text-align: right;">[21] 3,229,512 [13] A1</p> <p>[51] Int.Cl. C07C 7/148 (2006.01) C07C 5/48 (2006.01) C07C 9/06 (2006.01) C07C 11/04 (2006.01)</p> <p>[25] EN</p> <p>[54] FEED PURIFICATION IN ETHANE ODH PROCESS</p> <p>[54] PURIFICATION DE L'ALIMENTATION DANS UN PROCEDE DE DESHYDROGENATION OXYDATIVE (ODH) DE L'ETHANE</p> <p>[72] SIMANZHENKOV, VASILY, CA</p> <p>[72] GOODARZNIA, SHAHIN, CA</p> <p>[72] OLAYIWOLA, BOLAJI, CA</p> <p>[72] KLUTHE, JEFFREY, CA</p> <p>[71] NOVA CHEMICALS CORPORATION, CA</p> <p>[85] 2024-02-16</p> <p>[86] 2022-07-28 (PCT/IB2022/057015)</p> <p>[87] (WO2023/021350)</p> <p>[30] US (63/235,503) 2021-08-20</p>

Demandes PCT entrant en phase nationale

[21] **3,229,514**

[13] A1

[51] Int.Cl. A45D 8/30 (2006.01)

[25] EN

[54] DEVICE, COMPONENTS, AND KITS FOR APPLYING HAIR COMPOSITIONS AND THE MANUFACTURE AND USE THEREOF

[54] DISPOSITIF, COMPOSANTS ET KITS POUR L'APPLICATION DE COMPOSITIONS CAPILLAIRES ET LEUR FABRICATION ET LEUR UTILISATION

[72] FENWICK, AARRON, NZ

[72] BACKLER, MATTHEW, NZ

[72] REES-JONES, BLYTHE, NZ

[72] FULLERTON, MARK, NZ

[71] FENWICK & CO LIMITED, NZ

[85] 2024-02-20

[86] 2022-08-25 (PCT/NZ2022/050111)

[87] (WO2023/027598)

[30] NZ (779414) 2021-08-25

[21] **3,229,515**

[13] A1

[51] Int.Cl. A61M 39/10 (2006.01)

[25] EN

[54] SINGLE MONOLITHIC PIECE PIVC-INTEGRATED HEMOLYSIS REDUCTION ACCESSORIES FOR DIRECT BLOOD DRAW

[54] ACCESOIRES DE REDUCTION D'HEMOLYSE INTEGRES A UNE SEULE PIECE MONOLITHIQUE PIVC POUR PRELEVEMENT SANGUIN DIRECT

[72] AUSTIN, ABIN, IN

[71] CAREFUSION 303, INC., US

[85] 2024-02-20

[86] 2022-08-12 (PCT/US2022/040252)

[87] (WO2023/027906)

[30] US (63/237,946) 2021-08-27

[21] **3,229,516**

[13] A1

[51] Int.Cl. C09B 5/62 (2006.01)

[25] EN

[54] PERYLENE DIIMIDE CATHODE INTERLAYER FOR ORGANIC PHOTOVOLTAICS

[54] COUCHE INTERMEDIAIRE DE CATHODE DE DIIMIDE DE PERYLENE POUR PHOTOVOLTAIQUE ORGANIQUE

[72] FARHAT, MAHMOUD ELSAYED, CA

[72] WELCH, GREGORY C., CA

[71] UTI LIMITED PARTNERSHIP, CA

[85] 2024-02-16

[86] 2022-08-20 (PCT/IB2022/057824)

[87] (WO2023/021488)

[30] US (63/235,452) 2021-08-20

[21] **3,229,518**

[13] A1

[51] Int.Cl. F42D 1/10 (2006.01) C06B 23/00 (2006.01) C06B 47/14 (2006.01) C06D 5/00 (2006.01) F42D 1/24 (2006.01)

[25] EN

[54] MECHANICALLY GASSED EMULSION EXPLOSIVES AND RELATED METHODS AND SYSTEMS

[54] EXPLOSIFS A EMULSION A GASEIFICATION MECANIQUE AINSI QUE PROCEDES ET SYSTEMES ASSOCIES

[72] HALANDER, JOHN, US

[72] NELSON, CASEY L., US

[72] BEAGLEY, JEREMIAH R., US

[72] KOME, CORNELIS, US

[71] DYNO NOBEL INC., US

[85] 2024-02-16

[86] 2022-08-12 (PCT/US2022/074895)

[87] (WO2023/028425)

[30] US (63/237,079) 2021-08-25

[30] US (63/364,014) 2022-05-02

[21] **3,229,519**

[13] A1

[51] Int.Cl. C22C 18/04 (2006.01) C23C 2/06 (2006.01) C23C 2/28 (2006.01)

[25] EN

[54] HOT-DIP PLATED STEEL

[54] MATERIAU D'ACIER GALVANISE A CHAUD

[72] MITSUNOBU, TAKUYA, JP

[72] SAITO, MAMORU, JP

[72] TOKUDA, KOHEI, JP

[72] TAKEBAYASHI, HIROSHI, JP

[71] NIPPON STEEL CORPORATION, JP

[85] 2024-02-20

[86] 2021-09-07 (PCT/JP2021/032749)

[87] (WO2023/037396)

[21] **3,229,520**

[13] A1

[51] Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01)

[25] EN

[54] BISPECIFIC ANTI-FLT3/CD3 ANTIBODIES AND METHODS OF USE

[54] ANTICORPS BISPECIFIQUES ANTI-FLT3/CD3 ET LEURS METHODES D'UTILISATION

[72] SANDLER, VLADISLAV M., US

[72] SHRESTHA, ELINA, US

[72] SIROCHINSKY, CARINA RACHEL, US

[72] LIANG, RAYMOND, US

[72] BEN JEHUDA, RONEN, US

[72] KORYTKO, ANDREW IHOR, US

[72] SKORA, ANDREW DIXON, US

[72] ADER, MAX EPHRAIM, US

[72] CHILTON, TODD CHRISTOPHER, US

[71] HEMOGENYX

PHARMACEUTICALS LLC, US

[71] ELI LILLY AND COMPANY, US

[85] 2024-02-16

[86] 2022-08-15 (PCT/US2022/074981)

[87] (WO2023/023489)

[30] US (63/234,226) 2021-08-17

[30] US (63/329,138) 2022-04-08

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[21] 3,229,522
[13] A1

- [51] Int.Cl. G08B 21/02 (2006.01) H04W 4/21 (2018.01) H04W 4/80 (2018.01) F42D 1/055 (2006.01) G08B 3/10 (2006.01) G08B 5/36 (2006.01)
 - [25] EN
 - [54] SAFETY SYSTEMS FOR COMMERCIAL BLASTING OPERATIONS
 - [54] SYSTEMES DE SECURITE POUR OPERATIONS COMMERCIALES DE DYNAMITAGE
 - [72] KOTSONIS, STEVEN E., SG
 - [72] LIU, KAIYAN, SG
 - [72] THU, AUNG, SG
 - [72] PIEL, WALTER HARDY, SG
 - [72] GUILLEMETTE, FRANCOIS, SG
 - [72] MALLETTTE, DANIEL, SG
 - [72] MARTINO, DAVID, SG
 - [71] ORICA INTERNATIONAL PTE LTD, SG
 - [85] 2024-02-20
 - [86] 2022-08-23 (PCT/SG2022/050603)
 - [87] (WO2023/027639)
 - [30] AU (2021221550) 2021-08-24
 - [30] SG (10202109895X) 2021-09-09
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[21] 3,229,523
[13] A1

- [51] Int.Cl. A61G 5/10 (2006.01)
- [25] EN
- [54] A SEAT INCORPORATING A CUSHION
- [54] SIEGE INCORPORANT UN COUSSIN
- [72] SCARLETT, ROYDON, NZ
- [71] ROLAPAL LIMITED, NZ
- [85] 2024-02-20
- [86] 2022-07-01 (PCT/NZ2022/050085)
- [87] (WO2023/043321)
- [30] AU (2021236440) 2021-09-20

[21] 3,229,524
[13] A1

- [51] Int.Cl. C07D 401/04 (2006.01) A61K 31/443 (2006.01) A61K 31/444 (2006.01) A61K 31/497 (2006.01) A61P 3/10 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 495/04 (2006.01) C07D 513/04 (2006.01)
- [25] EN
- [54] IMIDAZOCYCLIC COMPOUND AND APPLICATION THEREOF
- [54] COMPOSE IMIDAZOCYCLIQUE ET SON APPLICATION
- [72] MAO, QINGHUA, CN
- [72] WANG, WEI, CN
- [72] TAN, YE, CN
- [72] LIANG, BIN, CN
- [72] WANG, LU, CN
- [72] WU, CHENGDE, CN
- [72] ZHANG, YANG, CN
- [72] CHEN, SHUHUI, CN
- [71] DONGBAO PURPLE STAR (HANGZHOU) BIOPHARMACEUTICAL CO., LTD., CN
- [85] 2024-02-20
- [86] 2022-08-24 (PCT/CN2022/114560)
- [87] (WO2023/025201)
- [30] CN (202110976089.5) 2021-08-24
- [30] CN (202111154964.8) 2021-09-29
- [30] CN (202111162621.6) 2021-09-30

[21] 3,229,525
[13] A1

- [25] EN
- [54] SYSTEM, METHOD AND/OR COMPUTER READABLE MEDIUM FOR DETERMINING READ OF A PUTT
- [54] SYSTEME, PROCEDE ET/OU SUPPORT LISIBLE PAR ORDINATEUR POUR DETERMINER LA LECTURE D'UN PUTT
- [72] RAITT, STEPHEN J., CA
- [72] SNOPEK, THOMAS A., CA
- [72] BRAJER, DOUGLAS G., CA
- [72] BAUER, RALPH, CA
- [71] TURBO BUZZER INC., CA
- [85] 2024-02-20
- [86] 2022-08-19 (PCT/CA2022/051262)
- [87] (WO2023/019365)
- [30] US (63/235,390) 2021-08-20

[21] 3,229,526
[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01)
 - [25] EN
 - [54] ANTI-FLT3 ANTIBODIES, CAR-T CELLS AND METHODS OF USE
 - [54] ANTICORPS ANTI-FLT3, CAR, CELLULES CAR-T ET PROCEDES D'UTILISATION
 - [72] SANDLER, VLADISLAV M., US
 - [72] SHRESTHA, ELINA, US
 - [72] LIANG, RAYMOND, US
 - [72] SIROCHINSKY, CARINA RACHEL, US
 - [72] BEN JEHUDA, RONEN, US
 - [71] HEMOGENYX PHARMACEUTICALS LLC, US
 - [85] 2024-02-16
 - [86] 2022-08-15 (PCT/US2022/074984)
 - [87] (WO2023/023491)
 - [30] US (63/233,530) 2021-08-16
 - [30] US (63/253,009) 2021-10-06
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[21] 3,229,527
[13] A1

- [51] Int.Cl. C12Q 1/6886 (2018.01) C12Q 1/6809 (2018.01) A61N 5/10 (2006.01)
- [25] EN
- [54] METHODS AND SYSTEMS FOR PROSTATE CANCER CHARACTERIZATION AND TREATMENT
- [54] METHODES ET SYSTEMES POUR LA CARACTERISATION ET LE TRAITEMENT DU CANCER DE LA PROSTATE
- [72] BOUTROS, PAUL C., US
- [72] FRASER, MICHAEL, CA
- [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
- [71] UNIVERSITY HEALTH NETWORK, CA
- [85] 2024-02-16
- [86] 2022-08-17 (PCT/US2022/075089)
- [87] (WO2023/023557)
- [30] US (63/234,126) 2021-08-17

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[13] A1

[51] Int.Cl. A61K 39/395 (2006.01) A61K 51/10 (2006.01) A61K 39/00 (2006.01)
[25] EN
[54] ANTI-RELATED-TO-RECEPTOR TYROSINE KINASE (RYK) ANTIBODIES AND USES THEREOF
[54] ANTICORPS ANTI-RECEPTEUR A ACTIVITE TYROSINE KINASE (RTK) ET LEURS UTILISATIONS
[72] KIPPS, THOMAS J., US
[72] WIDHOPF, II, GEORGE F., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-02-16
[86] 2022-08-18 (PCT/US2022/075147)
[87] (WO2023/023600)
[30] US (63/234,527) 2021-08-18

[21] **3,229,529**
[13] A1

[51] Int.Cl. A61K 31/573 (2006.01) A61K 35/17 (2015.01) A61K 45/06 (2006.01) A61P 31/14 (2006.01) A61P 31/18 (2006.01)
[25] EN
[54] LYMPHOCYTE POPULATION AND METHODS FOR PRODUCING SAME
[54] POPULATION DE LYMPHOCYTES ET LEURS METHODES DE PRODUCTION
[72] DEISHER, THERESA, US
[72] MCKAY, SCOT WAYNE, US
[72] PARTHASARATHY, VAISHNAVI, US
[72] ZAHID, YUMNA, US
[71] AVM BIOTECHNOLOGY, LLC, US
[85] 2024-02-20
[86] 2022-08-31 (PCT/US2022/042147)
[87] (WO2023/034377)
[30] US (63/239,566) 2021-09-01

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[13] A1

[51] Int.Cl. G06F 3/01 (2006.01) G06F 3/0346 (2013.01) G06F 3/0481 (2022.01) G06F 3/038 (2013.01)
[25] EN
[54] ELECTRONIC APPARATUS AND PROGRAM
[54]
[72] AGURA, KATSUHIDE, JP
[72] SAKAGUCHI, TAKUYA, JP
[72] OKA, NOBUYUKI, JP
[72] FUKUIZUMI, TAKESHI, JP
[71] SOFTBANK CORP., JP
[85] 2024-02-20
[86] 2021-08-30 (PCT/JP2021/031679)
[87] (WO2023/031988)

[21] **3,229,531**
[13] A1

[51] Int.Cl. H02S 20/00 (2014.01) H02S 20/10 (2014.01) H02S 20/20 (2014.01) H02S 20/22 (2014.01) H02S 20/23 (2014.01) F24S 25/634 (2018.01) F24S 25/30 (2018.01) F24S 25/33 (2018.01) F24S 25/40 (2018.01) F24S 25/50 (2018.01) F24S 25/60 (2018.01) F24S 25/61 (2018.01)
[25] EN
[54] RAIL-BASED SOLAR PANEL MOUNTING SYSTEM
[54] SYSTEME DE MONTAGE DE PANNEAU SOLAIRE A BASE DE RAIL
[72] PEDLAR, ROGER, US
[72] LESTER, BRYAN, US
[72] JUSTICE, ANUMEHA, US
[72] MENTON, DUANE, US
[72] GREER, JOE, US
[72] PARSLEY, ALEXANDER, US
[72] WENSLEY, JORDAN, US
[71] IRONRIDGE, INC., US
[85] 2024-02-16
[86] 2022-08-24 (PCT/US2022/041312)
[87] (WO2023/028101)
[30] US (63/236,385) 2021-08-24

[21] **3,229,532**
[13] A1

[51] Int.Cl. A01K 63/00 (2017.01) A01G 9/02 (2018.01) A01K 1/01 (2006.01) B65D 5/24 (2006.01) B65D 5/42 (2006.01)
[25] EN
[54] TERRARIUM WITH A CATCH TRAY, INTERIOR CATCH TRAY, METHOD OF ASSEMBLY
[54] TERRARIUM DOTE D'UN PLATEAU DE RECUPERATION, PLATEAU DE RECUPERATION INTERIEUR, PROCEDE D'ASSEMBLAGE
[72] MARKS, TIMOTHY, US
[72] LAWYER, JUSTIN, US
[72] CLASEN, PATRICK, US
[72] CLOUGH, CHRISTIAN, US
[72] AMBLER, HARRY, US
[71] ECOTECH, LLC, US
[85] 2024-02-16
[86] 2022-08-24 (PCT/US2022/041366)
[87] (WO2023/028136)
[30] US (63/236,346) 2021-08-24

[21] **3,229,533**
[13] A1

[51] Int.Cl. H01L 33/50 (2010.01)
[25] EN
[54] VIOLET LIGHT EXCITABLE BLUE-EMITTING OXYNITRIDE PHOSPHORS AND USES THEREOF
[54] PHOSPHORES D'OXYNITRURE EMETTANT DE LA LUMIERE BLEUE POUVANT ETRE EXCITES PAR LA LUMIERE VIOLETTE ET LEURS UTILISATIONS
[72] BRGOCH, JAKOAH, US
[72] HARIYANI, SHRUTI, US
[71] UNIVERSITY OF HOUSTON SYSTEM, US
[85] 2024-02-20
[86] 2022-08-24 (PCT/US2022/075388)
[87] (WO2023/028516)
[30] US (63/236,260) 2021-08-24

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[21] 3,229,534
[13] A1

- [51] Int.Cl. G06F 21/10 (2013.01) H04L 9/00 (2022.01) G06Q 20/06 (2012.01) G06Q 20/36 (2012.01) G06Q 10/101 (2023.01)
 - [25] EN
 - [54] **DISTRIBUTED CRYPTOGRAPHIC NETWORK INTEGRATED WITH CROWD-SOURCED DATABASE**
 - [54] **RESEAU CRYPTOGRAPHIQUE DISTRIBUE INTEGRE A UNE BASE DE DONNEES PARTICIPATIVE**
 - [72] KULASOORIYA, MANI, US
 - [71] CUT AND DRY INC., US
 - [85] 2024-02-16
 - [86] 2022-09-23 (PCT/US2022/044598)
 - [87] (WO2023/049394)
 - [30] US (63/248,850) 2021-09-27
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[21] 3,229,535
[13] A1

- [51] Int.Cl. G06T 13/40 (2011.01)
- [25] EN
- [54] **AVATAR DISPLAY DEVICE, AVATAR GENERATION DEVICE, AND PROGRAM**
- [54] **DISPOSITIF D'AFFICHAGE D'AVATAR, DISPOSITIF DE GENERATION D'AVATAR ET PROGRAMME**
- [72] AGURA, KATSUHIDE, JP
- [72] SAKAGUCHI, TAKUYA, JP
- [72] OKA, NOBUYUKI, JP
- [72] FUKUIZUMI, TAKESHI, JP
- [71] SOFTBANK CORP., JP
- [85] 2024-02-20
- [86] 2021-12-23 (PCT/JP2021/047876)
- [87] (WO2023/119557)

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[13] A1

- [51] Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/686 (2018.01)
 - [25] EN
 - [54] **SYSTEMS AND METHODS FOR SAMPLE PREPARATION FOR SEQUENCING**
 - [54] **SYSTEMES ET PROCEDES DE PREPARATION D'ECHANTILLONS POUR SEQUENCAGE**
 - [72] OBERSTRASS, FLORIAN, US
 - [72] CLARK, TYSON, US
 - [72] SCHWEIDENBACK, CATERINA, US
 - [72] MAZUR, DANIEL, US
 - [71] ULTIMA GENOMICS, INC., US
 - [85] 2024-02-20
 - [86] 2022-08-19 (PCT/US2022/040935)
 - [87] (WO2023/023357)
 - [30] US (63/235,451) 2021-08-20
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[21] 3,229,537
[13] A1

- [51] Int.Cl. A62D 1/02 (2006.01)
 - [25] EN
 - [54] **ECO-FRIENDLY FIRE-FIGHTING COMPOSITION AND METHOD OF USE THEREOF**
 - [54] **COMPOSITION DE LUTTE CONTRE L'INCENDIE RESPECTUEUSE DE L'ENVIRONNEMENT ET SON PROCEDE D'UTILISATION**
 - [72] OKAY, MEHMET SINAN, TR
 - [71] GABIO BIYOLOJIK URUNLER ANONIM SIRKETI, TR
 - [85] 2024-02-20
 - [86] 2022-08-18 (PCT/TR2022/050875)
 - [87] (WO2023/027668)
 - [30] TR (2021/013249) 2021-08-23
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[21] 3,229,538
[13] A1

- [25] EN
- [54] **MEDICAL HANDLING SYSTEM**
- [54] **SYSTÈME DE MANIPULATION MEDICAL**
- [72] RAU, THOMAS STEPHAN, DE
- [72] BUDDE, LEON, DE
- [72] BOTTCHER-REBMANN, GEORG, DE
- [72] SCHELL, VIKTOR, DE
- [71] MEDIZINISCHE HOCHSCHULE HANNOVER, DE
- [85] 2024-02-20
- [86] 2022-09-14 (PCT/EP2022/075526)
- [87] (WO2023/041581)
- [30] EP (21196884.7) 2021-09-15

[21] 3,229,539
[13] A1

- [51] Int.Cl. C07D 401/12 (2006.01) A61P 25/28 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 405/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 495/04 (2006.01) C07D 498/04 (2006.01)
- [25] EN
- [54] **INHIBITORS OF NLRP3**
- [54] **INHIBITEURS DE NLRP3**
- [72] ZHANG, XIAOYAN, US
- [72] ALAM, RAFUL, US
- [72] BARRAZA, SCOTT J., US
- [72] BEJCEK, LAUREN, US
- [72] GILBERT, BRADLEY B., US
- [72] GONG, HUA, US
- [72] -, HANDOKO, US
- [72] HOSSEYNI, SEYEDMORTEZA, US
- [72] HUARTE, EDUARDO, US
- [72] JEON, WOOHYUNG, US
- [72] LI, JING, US
- [72] LIU, YAO, US
- [72] NIEDERER, KYLE, US
- [72] PARKER, ERICA N., US
- [72] PILLAI, MEENU, US
- [72] RASTELLI, ETTORE, US
- [72] SYDORENKO, NADIYA, US
- [72] TURPOFF, ANTHONY, US
- [72] WOLL, MATTHEW G., US
- [72] ZHANG, NANJING, US
- [72] ZHANG, YAN, US
- [72] ZHENG, TIANYI, US
- [71] PTC THERAPEUTICS, INC., US
- [85] 2024-02-20
- [86] 2022-08-24 (PCT/US2022/075421)
- [87] (WO2023/028534)
- [30] US (63/237,049) 2021-08-25
- [30] US (63/311,463) 2022-02-18

Demandes PCT entrant en phase nationale

<p style="text-align: right;">[21] 3,229,540</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08J 9/06 (2006.01) C08J 9/04 (2006.01) C09J 133/08 (2006.01) C09J 133/04 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPROVED SYSTEM AND METHOD FOR SEMI-FOAM FLEXIBLE SEALANT WITH DENSITY MODIFIER</p> <p>[54] SYSTEME ET PROCEDE AMELIORES POUR AGENT D'ETANCHEITE SOUPLE EN SEMI-MOUSSE A MODIFICATEUR DE DENSITE</p> <p>[72] KOCUREK, SANDRA, US</p> <p>[72] KOCUREK, DEVIN, US</p> <p>[71] POLYMER ADHESIVES, LLC, US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-17 (PCT/US2022/040635)</p> <p>[87] (WO2023/023181)</p> <p>[30] US (63/234,698) 2021-08-18</p> <p>[30] US (17/890,035) 2022-08-17</p>
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<p style="text-align: right;">[21] 3,229,541</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F16D 1/076 (2006.01) F16D 1/112 (2006.01)</p> <p>[25] EN</p> <p>[54] FACE SPLINE COUPLING FOR DRIVE-WHEEL ARRANGEMENT</p> <p>[54] ACCOUPLEMENT A CANNELURE FACIALE POUR AGENCEMENT DE ROUE MOTRICE</p> <p>[72] BURT II, RONDELL ERVIN, US</p> <p>[72] BARRETT, JON ROBERT, US</p> <p>[72] EDWARDS, KRYSTIL ELIZABETH, US</p> <p>[72] KOZINA, THOMAS, US</p> <p>[71] NTN BEARING CORPORATION OF AMERICA, US</p> <p>[85] 2024-02-20</p> <p>[86] 2022-09-09 (PCT/US2022/076160)</p> <p>[87] (WO2023/056164)</p> <p>[30] US (17/491,662) 2021-10-01</p>
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<p style="text-align: right;">[21] 3,229,542</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07K 16/30 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTI-HER2 ANTIBODIES AND METHODS OF USE THEREOF</p> <p>[54] ANTICORPS ANTI-HER2 ET METHODES D'UTILISATION ASSOCIEES</p> <p>[72] BANDYOPADHYAY, ABIRA, US</p> <p>[72] CLEMENS, ALLISA JAYNE, US</p> <p>[72] KIM, DO JIN, US</p> <p>[72] PIZZO, MICHELLE E., US</p> <p>[72] SHAN, LU, US</p> <p>[72] THEOLIS JR., RICHARD, US</p> <p>[72] TONG, RAYMOND KA HANG, US</p> <p>[71] DENALI THERAPEUTICS INC., US</p> <p>[85] 2024-02-16</p> <p>[86] 2022-08-25 (PCT/US2022/075438)</p> <p>[87] (WO2023/028543)</p> <p>[30] US (63/237,104) 2021-08-25</p>
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<p style="text-align: right;">[21] 3,229,543</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B01D 3/32 (2006.01) C07C 7/04 (2006.01) C07C 15/073 (2006.01) C07C 15/46 (2006.01) C08J 11/12 (2006.01) C10G 1/10 (2006.01)</p> <p>[25] FR</p> <p>[54] METHOD FOR PURIFYING A FEEDSTOCK RESULTING FROM A METHOD FOR DEPOLYMERISING STYRENE COMPOUNDS</p> <p>[54] PROCEDE DE PURIFICATION D'UNE CHARGE ISSUE D'UN PROCEDE DE DEPOLYMERISATION DE COMPOSES STYRENIQUES</p> <p>[72] PACHECO, NUNO, FR</p> <p>[72] KIENER, PIERRE, FR</p> <p>[72] SERE-PEYRIGAIN, PIERRE, FR</p> <p>[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR</p> <p>[85] 2024-02-20</p> <p>[86] 2022-09-08 (PCT/FR2022/051700)</p> <p>[87] (WO2023/041862)</p> <p>[30] FR (FR2109745) 2021-09-16</p>
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<p style="text-align: right;">[21] 3,229,544</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B42D 25/24 (2014.01) B42D 25/41 (2014.01)</p> <p>[25] EN</p> <p>[54] HINGE LASER MARKING</p> <p>[54] MARQUAGE LASER A CHARNIERE</p> <p>[72] GRIGORESCU, SORIN, FR</p> <p>[72] BON, THIERRY, FR</p> <p>[72] SCHOENENBERGER, IVO, CH</p> <p>[72] SAILER, CHRISTIAN, CH</p> <p>[71] THALES DIS FRANCE SAS, FR</p> <p>[85] 2024-02-20</p> <p>[86] 2022-08-17 (PCT/EP2022/073015)</p> <p>[87] (WO2023/025640)</p> <p>[30] EP (21306154.2) 2021-08-26</p>
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<p style="text-align: right;">[21] 3,229,545</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A63B 60/06 (2015.01) A63B 60/14 (2015.01) A63B 49/08 (2015.01)</p> <p>[25] EN</p> <p>[54] HEATED HAND GRIP</p> <p>[54] POIGNEE CHAUFFEE</p> <p>[72] LYLES, JOHN, US</p> <p>[71] LYLES, JOHN, US</p> <p>[85] 2024-02-20</p> <p>[86] 2022-07-20 (PCT/US2022/037759)</p> <p>[87] (WO2023/003976)</p> <p>[30] US (63/223,857) 2021-07-20</p>

<p style="text-align: right;">[21] 3,229,546</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E04D 3/18 (2006.01)</p> <p>[25] EN</p> <p>[54] ROOFING ACCESSORIES WITH RADIOFREQUENCY RADIATION SHIELDING CAPABILITIES AND METHODS OF MAKING AND USE THEREOF</p> <p>[54] ACCESOIRES DE TOITURE DOTES DE CAPACITES DE BLINDAGE CONTRE LE RAYONNEMENT RADIOFREQUENCE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION</p> <p>[72] CAMPAU, ZACHARY RICHARD, US</p> <p>[72] RILEY, XAVIER, US</p> <p>[71] BMIC LLC, US</p> <p>[85] 2024-02-20</p> <p>[86] 2022-11-01 (PCT/US2022/048623)</p> <p>[87] (WO2023/076745)</p> <p>[30] US (63/274,307) 2021-11-01</p>
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[21] **3,229,547**
[13] A1

- [25] EN
 - [54] MEDICAL ENDOSCOPE SYSTEM
 - [54] SYSTEME D'ENDOSCOPE MEDICAL
 - [72] CHEN, CHIEH-HSIAO, CN
 - [71] CHEN, CHIEH-HSIAO, CN
 - [85] 2024-02-20
 - [86] 2022-09-06 (PCT/CN2022/117377)
 - [87] (WO2023/036150)
 - [30] US (63/241,175) 2021-09-07
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- [51] Int.Cl. A61G 7/00 (2006.01) A61G 7/005 (2006.01) A61G 7/008 (2006.01) A61G 7/012 (2006.01) A61G 7/015 (2006.01) A61G 7/018 (2006.01) A61G 7/05 (2006.01)
 - [25] EN
 - [54] A BED FOR TURNING PATIENTS
 - [54] LIT POUR RETOURNER DES PATIENTS
 - [72] BURLING, ANTHONY, AU
 - [72] BURLING, TRACY, AU
 - [71] BURLING AGED CARE SOLUTIONS PTY LTD, AU
 - [85] 2024-02-16
 - [86] 2022-08-16 (PCT/AU2022/050898)
 - [87] (WO2023/035026)
 - [30] AU (2021902910) 2021-09-08
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[21] **3,229,550**
[13] A1

- [51] Int.Cl. A61M 39/22 (2006.01)
 - [25] EN
 - [54] PIVC-INTEGRATED HEMOLYSIS-REDUCTION ACCESSORIES FOR DIRECT BLOOD DRAW
 - [54] ACCESOIRES DE REDUCTION D'HEMOLYSE INTEGRES A UN CIVP POUR PRELEVEMENT SANGUIN DIRECT
 - [72] BURKHOLZ, JON K., US
 - [72] WANG, BIN, US
 - [72] MANSOUR, GEORGE, US
 - [71] CAREFUSION 303, INC., US
 - [85] 2024-02-20
 - [86] 2022-08-24 (PCT/US2022/041403)
 - [87] (WO2023/034097)
 - [30] US (63/239,639) 2021-09-01
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[13] A1

- [51] Int.Cl. G16B 35/10 (2019.01) G16B 20/00 (2019.01) A61K 39/12 (2006.01) A61P 31/16 (2006.01)
 - [25] EN
 - [54] VACCINE DESIGN PIPELINE
 - [54] PIPELINE DE CONCEPTION DE VACCIN
 - [72] LUNDEGAARD, CLAUS, DK
 - [72] WAIRIMU FREDERIKSEN, JULIET, DK
 - [72] DE MASI, FEDERICO, DK
 - [71] INTOMICS A/S, DK
 - [85] 2024-02-16
 - [86] 2022-08-17 (PCT/EP2022/072895)
 - [87] (WO2023/021056)
 - [30] EP (21191753.9) 2021-08-17
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[21] **3,229,552**
[13] A1

- [51] Int.Cl. G08B 21/04 (2006.01) G08B 21/18 (2006.01)
 - [25] EN
 - [54] TIBIAL SHOCK ABSORPTION APPARATUS AND METHODS
 - [54] APPAREIL ET PROCEDES D'ABSORPTION DE CHOC TIBIAL
 - [72] PICKETT, LUKE JAMES, AU
 - [71] EVOLVE PATENTS PTY LTD, AU
 - [85] 2024-02-20
 - [86] 2022-08-22 (PCT/AU2022/050938)
 - [87] (WO2023/019326)
 - [30] AU (2021902625) 2021-08-20
 - [30] AU (2022902246) 2022-08-10
-

[21] **3,229,553**
[13] A1

- [51] Int.Cl. C07D 403/04 (2006.01)
 - [25] EN
 - [54] A PROCESS FOR MAKING OSIMERTINIB
 - [54] PROCEDE DE PREPARATION D'OSIMERTINIB
 - [72] VYKLICKY, LIBOR, CZ
 - [72] ZABADAL, MIROSLAV, CZ
 - [71] SYNTTHON B.V., NL
 - [85] 2024-02-20
 - [86] 2022-09-01 (PCT/EP2022/074288)
 - [87] (WO2023/031316)
 - [30] EP (21194510.0) 2021-09-02
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[13] A1

- [51] Int.Cl. C01B 32/20 (2017.01) H01M 4/587 (2010.01) H01M 4/36 (2006.01)
 - [25] EN
 - [54] CARBON-COATED GRAPHITE PARTICLES, NEGATIVE ELECTRODE FOR LITHIUM-ION SECONDARY BATTERY, AND LITHIUM-ION SECONDARY BATTERY
 - [54] PARTICULES DE GRAPHITE REVETUES DE CARBONE, ELECTRODE NEGATIVE POUR BATTERIE SECONDAIRE LITHIUM-ION ET BATTERIE SECONDAIRE LITHIUM-ION
 - [72] SUTO, MIKITO, JP
 - [72] FUSHIWAKI, YUSUKE, JP
 - [72] MATSUZAKI, AKIRA, JP
 - [72] YAMAJI, RYOTA, JP
 - [72] HAGA, RYUTA, JP
 - [71] JFE CHEMICAL CORPORATION, JP
 - [71] JFE STEEL CORPORATION, JP
 - [85] 2024-02-16
 - [86] 2022-07-28 (PCT/JP2022/029171)
 - [87] (WO2023/021957)
 - [30] JP (2021-132663) 2021-08-17
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[13] A1

- [25] FR
- [54] REINFORCED PRODUCT COMPRISING A RUBBER COMPOSITION BASED ON A POLYPHENOLIC COMPOUND, A GUANIDINE AND AT LEAST ONE PEROXIDE COMPOUND
- [54] PRODUIT RENFORCE COMPRENANT UNE COMPOSITION DE CAOUTCHOUC A BASE D'UN COMPOSE POLYPHENOLIQUE, UNE GUANIDINE ET AU MOINS UN COMPOSE PEROXYDE
- [72] THUILLIEZ, ANNE-LISE, FR
- [72] GAVARD-LONCHAY, ODILE, FR
- [71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
- [85] 2024-02-20
- [86] 2022-09-19 (PCT/FR2022/051756)
- [87] (WO2023/047046)
- [30] FR (FR2110047) 2021-09-23

Demandes PCT entrant en phase nationale

<p style="text-align: right;">[21] 3,229,556</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61P 31/04 (2006.01)</p> <p>[25] EN</p> <p>[54] CONJUGATES OF MONOCYCLIC BETA-LACTAMS AND SIDEROPHORE MIMETICS</p> <p>[54] CONJUGUES DE BETA-LACTAMES MONOCYCLIQUES ET DE MIMETIQUES DE SIDEROPHORES</p> <p>[72] MILLER, MARVIN, US</p> <p>[72] LIU, RUI, US</p> <p>[72] MILLER, PATRICIA, US</p> <p>[71] UNIVERSITY OF NOTRE DAME DU LAC, US</p> <p>[85] 2024-02-20</p> <p>[86] 2022-08-22 (PCT/US2022/041051)</p> <p>[87] (WO2023/023393)</p> <p>[30] US (63/235,536) 2021-08-20</p>	<p style="text-align: right;">[21] 3,229,558</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C01B 32/21 (2017.01) H01M 4/133 (2010.01) H01M 4/587 (2010.01) H01M 4/36 (2006.01)</p> <p>[25] EN</p> <p>[54] COATED SPHEROIDIZED GRAPHITE, NEGATIVE ELECTRODE FOR LITHIUM ION SECONDARY BATTERIES AND LITHIUM ION SECONDARY BATTERY</p> <p>[54] GRAPHITE SPHEROIDAL REVETU, ELECTRODE NEGATIVE POUR BATTERIES SECONDAIRES AU LITHIUM-ION ET BATTERIE SECONDAIRE AU LITHIUM-ION</p> <p>[72] YAMAJI, RYOTA, JP</p> <p>[72] MADOKORO, YASUSHI, JP</p> <p>[72] MATSUZAKI, AKIRA, JP</p> <p>[72] FUSHIWAKI, YUSUKE, JP</p> <p>[72] SUTO, MIKITO, JP</p> <p>[71] JFE CHEMICAL CORPORATION, JP</p> <p>[71] JFE STEEL CORPORATION, JP</p> <p>[85] 2024-02-16</p> <p>[86] 2022-07-28 (PCT/JP2022/029174)</p> <p>[87] (WO2023/021958)</p> <p>[30] JP (2021-132828) 2021-08-17</p>	<p style="text-align: right;">[21] 3,229,560</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07D 417/12 (2006.01) C07D 417/14 (2006.01)</p> <p>[25] EN</p> <p>[54] EIF4E INHIBITORS AND USES THEREOF</p> <p>[54] INHIBITEURS D'EIF4E ET LEURS UTILISATIONS</p> <p>[72] VANDEUSEN, CHRISTOPHER L., US</p> <p>[71] PIC THERAPEUTICS, INC., US</p> <p>[85] 2024-02-20</p> <p>[86] 2022-08-25 (PCT/US2022/041532)</p> <p>[87] (WO2023/028235)</p> <p>[30] US (63/260,556) 2021-08-25</p>
<p style="text-align: right;">[21] 3,229,557</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08G 63/60 (2006.01) C08G 63/80 (2006.01) C08G 63/91 (2006.01)</p> <p>[25] EN</p> <p>[54] TOUGHENED BRANCHED POLY(HYDROXYACID) COMPOSITION</p> <p>[54] COMPOSITION DE POLY(HYDROXYACIDE) RAMIFIE RENFORCE</p> <p>[72] POWELL, CHAD, US</p> <p>[72] ANIM-DANSO, EMMANUEL, US</p> <p>[72] BENSON, BRYAN, US</p> <p>[72] BRANHAM, KELLY D., US</p> <p>[71] SOLVAY SPECIALTY POLYMERS USA, LLC, US</p> <p>[85] 2024-02-20</p> <p>[86] 2022-08-22 (PCT/EP2022/073316)</p> <p>[87] (WO2023/025718)</p> <p>[30] US (63/236,825) 2021-08-25</p>	<p style="text-align: right;">[21] 3,229,559</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] NOVEL CRYSTALLINE POLYMORPH OF LURBINECTEDIN AND IMPROVED PROCESS FOR THE PREPARATION OF LURBINECTEDIN</p> <p>[54] NOUVEAU POLYMORPHE CRISTALLIN DE LURBINECTEDINE ET METHODE AMELIOREE POUR LA PREPARATION DE LURBINECTEDINE</p> <p>[72] CHINTALAPATI, SRINIVASA CHARY, IN</p> <p>[72] KOTTE, THIRUPATHI, IN</p> <p>[72] ABAYEE KALIYAPERUMAL, SRINIVASAN, IN</p> <p>[72] BUDIDETI, SHANKAR REDDY, IN</p> <p>[72] MUDDASANI, PULLA REDDY, IN</p> <p>[72] NANNAPANENI, VENKAIAH CHOWDARY, IN</p> <p>[71] NATCO PHARMA LIMITED, IN</p> <p>[85] 2024-02-20</p> <p>[86] 2022-08-30 (PCT/IN2022/050772)</p> <p>[87] (WO2023/031960)</p> <p>[30] IN (202141039393) 2021-08-31</p>	<p style="text-align: right;">[21] 3,229,561</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C05F 17/80 (2020.01)</p> <p>[25] EN</p> <p>[54] METHOD AND PLANT FOR PROCESSING BIOLOGICAL SUBSTRATE</p> <p>[54] PROCEDE ET INSTALLATION DE TRAITEMENT DE SUBSTRAT BIOLOGIQUE</p> <p>[72] HOSLER, EDGAR, DE</p> <p>[71] SCHMACK BIOGAS SERVICE GMBH, DE</p> <p>[85] 2024-02-20</p> <p>[86] 2021-09-01 (PCT/EP2021/074157)</p> <p>[87] (WO2023/030624)</p>
		<p style="text-align: right;">[21] 3,229,562</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06Q 10/06 (2023.01) G06Q 10/08 (2023.01) G06Q 10/10 (2023.01) G06F 3/048 (2013.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR DETERMINING AND USING FLEET-SPECIFIC DRIVER PERFORMANCE</p> <p>[54] SYSTEMES ET PROCEDES POUR DETERMINER ET UTILISER DES PERFORMANCES D'UN CONDUCTEUR SPECIFIQUE A UNE FLOTTE</p> <p>[72] GHANBARI, REZA, US</p> <p>[72] BOSE, ASHIM, US</p> <p>[72] PALMER, JASON, US</p> <p>[72] WAGSTAFF, DAVID, US</p> <p>[71] OMNITRACS, LLC, US</p> <p>[85] 2024-02-20</p> <p>[86] 2022-09-07 (PCT/US2022/042787)</p> <p>[87] (WO2023/038993)</p> <p>[30] US (17/473,733) 2021-09-13</p>

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[21] 3,229,563
[13] A1

- [51] Int.Cl. G06Q 10/06 (2023.01) G06Q 10/04 (2023.01) G06Q 10/10 (2023.01) G06N 20/00 (2019.01) G09B 23/10 (2006.01)
 - [25] EN
 - [54] SYSTEM FOR ANALYZING EXPERIMENTAL DATA OF SCIENTIFIC EXPERIMENTAL DEVICE AND METHOD OF THE SAME
 - [54] SYSTEME ET PROCEDE D'ANALYSE DE DONNEES D'EXPERIENCE D'UN APPAREIL D'EXPERIENCE SCIENTIFIQUE
 - [72] JEONG, AAYON, KR
 - [71] JEONG, AAYON, KR
 - [85] 2024-02-16
 - [86] 2022-08-09 (PCT/KR2022/011853)
 - [87] (WO2023/075097)
 - [30] KR (10-2021-0143291) 2021-10-26
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[21] 3,229,564
[13] A1

- [51] Int.Cl. G06Q 10/06 (2023.01) G06Q 10/10 (2023.01) G06Q 10/08 (2023.01) G06F 3/048 (2013.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR DETERMINING AND USING DEVIATIONS FROM DRIVER-SPECIFIC PERFORMANCE EXPECTATIONS
- [54] SYSTEMES ET PROCEDES POUR DETERMINER ET UTILISER DES ECARTS D'ATTENTES DE PERFORMANCES SPECIFIQUES AU CONDUCTEUR
- [72] GHANBARI, REZA, US
- [72] BOSE, ASHIM, US
- [72] PALMER, JASON, US
- [72] WAGSTAFF, DAVID, US
- [71] OMNITRACS, LLC, US
- [85] 2024-02-20
- [86] 2022-09-07 (PCT/US2022/042795)
- [87] (WO2023/038996)
- [30] US (17/473,784) 2021-09-13

[21] 3,229,565
[13] A1

- [25] EN
 - [54] APPARATUS AND METHOD FOR MODIFICATION OF CELLS
 - [54] APPAREIL ET PROCEDE POUR LA MODIFICATION DES CELLULES
 - [72] AZIZGOLSHANI, HESHAM, US
 - [72] COPPETA, JONATHAN R., US
 - [71] THE CHARLES STARK DRAPER LABORATORY, INC., US
 - [85] 2024-02-20
 - [86] 2022-08-19 (PCT/US2022/040960)
 - [87] (WO2023/023375)
 - [30] US (63/235,584) 2021-08-20
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[13] A1

- [51] Int.Cl. C07D 237/14 (2006.01) A61K 31/50 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 405/04 (2006.01) C07D 409/04 (2006.01)
- [25] EN
- [54] SOS1 INHIBITOR AND USE THEREOF
- [54] INHIBITEUR DE SOS1 ET SON UTILISATION
- [72] YU, HA NA, KR
- [72] SHIN, YOUNG SOOK (DECEASED), XX
- [72] PARK, DOHYUN, KR
- [72] YOON, KYEONG JIN, KR
- [72] LIM, SANG KYUN, KR
- [72] KIM, DONGGEON, KR
- [72] KI, DONG HYUK, KR
- [72] KIM, EUN-JUNG, KR
- [72] NAM, JOONWOO, KR
- [72] HAN, WOOSEOK, KR
- [72] YU, JIHYUN, KR
- [72] KIM, JI EUN, KR
- [71] KANAPH THERAPEUTICS INC., KR
- [71] CYRUS THERAPEUTICS INC., KR
- [85] 2024-02-16
- [86] 2022-08-17 (PCT/KR2022/012254)
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 - [25] EN
 - [54] COMPOSITIONS AND METHODS FOR STIMULATING HAIR GROWTH
 - [54] COMPOSITIONS ET PROCEDES POUR STIMULER LA POUSSE DES CHEVEUX
 - [72] ROSEN, DAVID K., US
 - [72] RASSMAN, WILLIAM, US
 - [71] AMPLIFICA, INC., US
 - [85] 2024-02-20
 - [86] 2022-08-25 (PCT/US2022/075431)
 - [87] (WO2023/028542)
 - [30] US (63/236,999) 2021-08-25
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- [25] EN
- [54] ANTISENSE OLIGONUCLEOTIDE TARGETING CAV3.1 GENE AND USES THEREOF
- [54] OLIGONUCLEOTIDE ANTISENS CIBLANT LE GENE CAV3.1 ET SES UTILISATIONS
- [72] KIM, DAE SOO, KR
- [72] KIM, JIN KUK, KR
- [72] LEE, YE WON, KR
- [72] JUNG, EUN JI, KR
- [72] PARK, MIN SUNG, KR
- [72] LEE, SIN JEONG, KR
- [72] CHAE, SU JIN, KR
- [71] KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, KR
- [85] 2024-02-16
- [86] 2022-08-17 (PCT/KR2022/012269)
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- [30] KR (10-2021-0108274) 2021-08-17

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- [25] EN
- [54] 17-BETA-HYDROXYSTEROID DEHYDROGENASE TYPE 13 INHIBITORS AND METHODS OF USE THEREOF
- [54] INHIBITEURS DE LA 17-BETA-HYDROXYSTEROIDE DESHYDROGENASE DE TYPE 13 ET LEURS PROCEDES D'UTILISATION
- [72] WANG, GUOQIANG, US
- [72] MA, JUN, US
- [72] GRANGER, BRETT, US
- [72] LONG, JIANG, US
- [72] WANG, BIN, US
- [72] GHORAI, SOURAV, US
- [72] HE, JING, US
- [72] HE, YONG, US
- [72] XING, XUECHAO, US
- [72] SHEN, RUICHAO, US
- [72] OR, YAT SUN, US
- [71] ENANTA PHARMACEUTICALS, INC., US
- [85] 2024-02-16
- [86] 2022-08-19 (PCT/US2022/040861)
- [87] (WO2023/023310)
- [30] US (63/235,472) 2021-08-20

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- [54] RECYCLING PROCESS FOR ISOLATING AND RECOVERING RARE EARTH METALS AND NICKEL HYDROXIDE FROM NICKEL METAL HYDRIDE BATTERIES
- [54] PROCEDE DE RECYCLAGE POUR ISOLER ET RECUPERER DES METAUX DES TERRES RARES ET DE L'HYDROXYDE DE NICKEL A PARTIR DE BATTERIES NICKEL-METAL-HYDRURE
- [72] SMITH, WILLIAM NOVIS, US
- [71] AMERICAN HYPERFORM, INC., US
- [85] 2024-02-20
- [86] 2022-10-10 (PCT/US2022/040412)
- [87] (WO2023/249649)
- [30] US (63/236,297) 2021-08-24
- [30] US (17/890,314) 2022-08-18

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- [25] EN
- [54] LAYERED DOUBLE HYDROXIDE PARTICLES IN HYDROGEL MATRICES
- [54] PARTICULES D'HYDROXYDE DOUBLE LAMELLAIRE DANS DES MATRICES D'HYDROGEL
- [72] TROTOCHAUD, LENA ESTERS, US
- [72] SANCHEZ, MARIANA VASQUEZ, US
- [72] KIRILLOVA, ALINA, US
- [71] DUKE UNIVERSITY, US
- [85] 2024-02-16
- [86] 2022-08-19 (PCT/US2022/040933)
- [87] (WO2023/023355)
- [30] US (63/235,293) 2021-08-20

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- [25] EN
- [54] UNIVERSAL CREDENTIAL
- [54] JUSTIFICATIF D'IDENTITE UNIVERSEL
- [72] BAUMGARTE, JOSEPH W., US
- [72] SCHLICHT, AARON J., US
- [72] LAMMERS, ALEX, US
- [72] HENRY, NELSON, US
- [72] MADOLE, GARETT, US
- [71] SCHLAGE LOCK COMPANY LLC, US
- [85] 2024-02-20
- [86] 2022-08-22 (PCT/US2022/041044)
- [87] (WO2023/043577)
- [30] US (17408367) 2021-08-20

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- [51] Int.Cl. C07K 14/075 (2006.01)
- [25] EN
- [54] ISOLATED MODIFIED AAV9 CAPSID PROTEIN VP1
- [54] PROTEINE MODIFIEE SEPAREE VP1 DE CAPSIDE AAV9
- [72] STRELKOVA, ANNA NIKOLAEVNA, RU
- [72] SHUGAEVA, TATIANA EVGENIEVNA, RU
- [72] GERSHOVICH, PAVEL MIKHAILOVICH, RU
- [72] IAKOVLEV, PAVEL ANDREEVICH, RU
- [72] MOROZOV, DMITRY VALENTINOVICH, RU
- [71] JOINT STOCK COMPANY "BIOCAD", RU
- [85] 2024-02-20
- [86] 2022-08-21 (PCT/RU2022/050258)
- [87] (WO2023/022634)
- [30] RU (2021124726) 2021-08-20

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- [25] EN
- [54] UNIVERSAL GRID EDGE ASSET MONITORING SYSTEMS WITH UBIQUITOUS 5G NETWORK ACCESS
- [54] SYSTEMES UNIVERSELLES DE SURVEILLANCE D'ACTIFS DE PERIPHERIE DE RESEAU AVEC ACCES RESEAU 5G OMNIPRESENT
- [72] KULKARNI, SHREYAS, US
- [72] CARNEMARK, JAKOB, US
- [72] DIVAN, DEEPAK M., US
- [71] GEORGIA TECH RESEARCH CORPORATION, US
- [85] 2024-02-20
- [86] 2022-09-14 (PCT/US2022/076394)
- [87] (WO2023/044320)
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<p style="text-align: right;">[21] 3,229,576</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04W 28/26 (2009.01) [25] EN [54] FIRST NODE, SECOND NODE AND THIRD NODE, COMMUNICATIONS SYSTEM AND METHODS PERFORMED, THEREBY FOR HANDLING MOBILITY OF ONE OR MORE ONGOING COMMUNICATION SESSIONS FOR A DEVICE [54] PREMIER N?UD, SECONDE N?UD ET TROISIEME N?UD, SYSTEME DE COMMUNICATION ET PROCEDES MIS EN ?UVRE, PERMETTANT AINSI DE GERER LA MOBILITE D'UNE OU DE PLUSIEURS SESSIONS DE COMMUNICATION EN COURS POUR UN DISPOSITI [72] OBESO DUQUE, ALEKSANDRA, SE [72] CHANDRASEKHARA SWAMY NARENDRA, NANJANGUD, IN [72] VINAY YADHAV, SRINIVASA, SE [71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE [85] 2024-02-20 [86] 2021-08-27 (PCT/EP2021/073799) [87] (WO2023/025401)</p>	<p style="text-align: right;">[21] 3,229,578</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04B 7/0456 (2017.01) [25] EN [54] FREQUENCY DOMAIN CSI COMPRESSION FOR COHERENT JOINT TRANSMISSION [54] COMPRESSION DE CSI DANS LE DOMAINE FREQUENTIEL POUR UNE TRANSMISSION CONJOINTE COHERENTE [72] MURUGANATHAN, SIVA, CA [72] GAO, SHIWEI, CA [72] ATHLEY, FREDRIK, SE [72] NILSSON, ANDREAS, SE [72] ZHANG, XINLIN, SE [71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE [85] 2024-02-20 [86] 2022-08-23 (PCT/IB2022/057899) [87] (WO2023/026196) [30] US (63/236,157) 2021-08-23</p>	<p style="text-align: right;">[21] 3,229,580</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 15/35 (2006.01) [25] EN [54] METHOD FOR PRODUCING MODIFIED ADENO-ASSOCIATED VIRUS CAPSID [54] PROCEDE DE PRODUCTION DE CAPSIDE MODIFIE DE VIRUS ADENO-ASSOCIE [72] STRELKOVA, ANNA NIKOLAEVNA, RU [72] LEGOTSKII, SERGEI ALEKSANDROVICH, RU [72] SHUGAEVA, TATIANA EVGENIEVNA, RU [72] GERSHOVICH, PAVEL MIKHAILOVICH, RU [72] NADOLINSKII, ALEXANDR ANATOLEVICH, RU [72] IAKOVLEV, PAVEL ANDREEVICH, RU [72] MOROZOV, DMITRY VALENTINOVICH, RU [71] JOINT STOCK COMPANY "BIOCAD", RU [85] 2024-02-20 [86] 2022-08-18 (PCT/RU2022/050255) [87] (WO2023/022631) [30] RU (2021124731) 2021-08-20</p>

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C07K 16/30 (2006.01)
[25] EN
[54] AGGREGATE SEPARATION
METHOD
[54] PROCEDE DE SEPARATION
D'AGREGATS
[72] STERRITT, OLIVER WILLIAM, AU
[72] WHEATCROFT, MICHAEL PAUL,
AU
[71] TELIX PHARMACEUTICALS
(INNOVATIONS) PTY LTD, AU
[85] 2024-02-20
[86] 2022-09-01 (PCT/AU2022/051067)
[87] (WO2023/028654)
[30] AU (2021902839) 2021-09-01

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[13] A1

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16/30 (2006.01)
[25] EN
[54] PREPARATORY PROCESS
[54] PROCEDE DE PREPARATION
[72] STERRITT, OLIVER WILLIAM, AU
[72] WHEATCROFT, MICHAEL PAUL,
AU
[71] TELIX PHARMACEUTICALS
(INNOVATIONS) PTY LTD, AU
[85] 2024-02-20
[86] 2022-09-01 (PCT/AU2022/051071)
[87] (WO2023/028658)
[30] AU (2021902837) 2021-09-01

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[13] A1

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[25] EN
[54] METHOD FOR PREDICTING A
SEVERITY OF AN INFECTIOUS
DISEASE AND BIOMARKER FOR
USE IN CARRYING OUT THE
METHOD AND MONITORING A
THERAPY OF AN INFECTIOUS
DISEASE
[54] PROCEDE POUR PREDIRE LA
GRAVITE D'UNE MALADIE
INFECTIEUSE ET
BIOMARQUEUR A UTILISER
POUR LA MISE EN OEUVRE DU
PROCEDE ET LE SUIVI D'UNE
THERAPIE POUR UNE MALADIE
INFECTIEUSE
[72] KMOCH, STANISLAV, CZ
[72] PIHEROVA, LENKA, CZ
[72] HARTMANNOVA, HANA, CZ
[72] POHLUDKA, MICHAL, CZ
[72] RADINA, MARTIN, CZ
[71] GENESPECTOR S.R.O., CZ
[85] 2024-02-20
[86] 2021-12-30 (PCT/CZ2021/050159)
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[30] CZ (PV 2021-389) 2021-08-20

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[51] Int.Cl. A61K 31/404 (2006.01)
[25] EN
[54] PRODRUGS AND DERIVATIVES
OF PSILOCIN AND USES
THEREOF
[54] PROMEDICAMENTS ET DERIVES
DE PSILOCINE ET LEURS
UTILISATIONS
[72] CLARK, SAM, US
[72] DUNCTON, MATTHEW
ALEXANDER JAMES, US
[71] TERRAN BIOSCIENCES INC., US
[85] 2024-02-20
[86] 2022-08-19 (PCT/US2022/040922)
[87] (WO2023/023347)
[30] US (63/235,543) 2021-08-20
[30] US (63/289,025) 2021-12-13

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[25] EN
[54] AN OVEN
[54] FOUR
[72] USTAOGLU, MUSTAFA, TR
[71] SER DAYANIKLI TUKETIM
MALLARI IC VE DIS TICARET
SANAYI ANONIM SIRKETI, TR
[85] 2024-02-20
[86] 2022-08-17 (PCT/TR2022/050868)
[87] (WO2023/069044)
[30] TR (2021/016449) 2021-10-22

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31/00 (2006.01) C07K 14/435
(2006.01) C12N 9/36 (2006.01) C12N
9/50 (2006.01)
[25] EN
[54] NOVEL POLYPEPTIDES AND
ANTIBIOTICS AGAINST GRAM-
NEGATIVE BACTERIUM
COMPRISING THE SAME
[54] NOUVEAUX POLYPEPTIDES ET
ANTIBIOTIQUES DIRIGES
CONTRE UNE BACTERIE A
GRAM NEGATIF LES
COMPRENANT
[72] MYUNG, HEEJOON, KR
[72] KIM, MIN SOO, KR
[72] HONG, HYE-WON, KR
[72] KIM, YOUNG DEUK, KR
[72] JANG, JAEYEON, KR
[71] LYSENTECH CO., LTD., KR
[71] HANKUK UNIVERSITY OF
FOREIGN STUDIES RESEARCH &
BUSINESS FOUNDATION, KR
[85] 2024-02-16
[86] 2022-08-18 (PCT/KR2022/012373)
[87] (WO2023/022546)
[30] KR (10-2021-0109266) 2021-08-19
[30] KR (10-2022-0012566) 2022-01-27
[30] KR (10-2022-0070371) 2022-06-09

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 - [25] EN
 - [54] CONTRAST AGENT MIXER
 - [54] MELANGEUR D'AGENT DE CONTRASTE
 - [72] FORK, THOMAS, SE
 - [72] ADNERHILL, INGVAR, SE
 - [72] CASAL-DUJAT, LUCIA, SE
 - [72] LIU, WENYUN, SE
 - [72] BOOK, OLOF, SE
 - [71] LUMENT AB, SE
 - [85] 2024-02-16
 - [86] 2022-09-22 (PCT/SE2022/050833)
 - [87] (WO2023/048623)
 - [30] SE (2151163-9) 2021-09-23
 - [30] SE (2151200-9) 2021-09-30
 - [30] SE (2251068-9) 2022-09-15
 - [30] SE (2251071-3) 2022-09-15
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- [25] EN
- [54] CONTROL OF PHOTO-POLYMERIZATION FOR ADDITIVE MANUFACTURING
- [54] CONTROLE DE LA PHOTO-POLYMERISATION POUR LA FABRICATION ADDITIVE
- [72] SCHMEING, ANDRE, US
- [72] OU, JIFEI, US
- [71] OPT INDUSTRIES, INC., US
- [85] 2024-02-16
- [86] 2022-08-19 (PCT/US2022/040872)
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 - [54] SYSTEMES MICROFLUIDIQUES ET MODULE DE SUPPORT
 - [72] CONWAY, PETER, US
 - [72] FREAKE, JACOB, US
 - [72] MUNN, CORBIN, US
 - [72] VON SCHOPPE, JOSEPH, US
 - [72] HESTER, RENEE, US
 - [72] GEISHECKER, EMILY, US
 - [72] RAJAN, SHINY AMALA PRIYA, US
 - [72] LEMOLE, ABRAHAM, US
 - [72] CIRIT, MURAT, US
 - [72] SABIN, DOUGLAS G., US
 - [71] JAVELIN BIOTECH, INC., US
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 - [86] 2022-08-19 (PCT/US2022/075223)
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- [54] THERAPIE GENIQUE IL-1RA POUR DEGENERATION DU DISQUE INTERVERTEBRAL
- [72] SENTER, REBECCA K., US
- [72] LE MAITRE, CHRISTINE L., GB
- [72] SNUGGS, JOSEPH W., GB
- [71] PACIRA THERAPEUTICS, INC., US
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 - [25] EN
 - [54] REFORMING UNITS FOR HYDROGEN PRODUCTION
 - [54] UNITES DE REFORMAGE POUR LA PRODUCTION D'HYDROGÈNE
 - [72] SINGH, INDER PAL, CA
 - [72] SINGH, SHRADHA, CA
 - [72] KONDRATENKO, MYKOLA, CA
 - [72] ZAIDI, SYED SAMEEN, CA
 - [72] MISTRY, BHARATKUMAR BABUBHAI, CA
 - [72] LI, ZHIYONG, CA
 - [72] BERRY, CARSON JAMES, CA
 - [71] GOLU HYDROGEN TECHNOLOGIES INC., CA
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- [25] EN
- [54] CATALYST AND PROCESS FOR THE DEHYDROGENATION OF ALKANES TO OLEFINS
- [54] CATALYSEUR ET PROCEDE DE DESHYDROGENATION D'ALCANES EN OLEFINES
- [72] FERRARI, DANIELA, US
- [72] FISH, BARRY B., US
- [72] BLANN, KEVIN, US
- [72] POLLEFEYT, GLENN, NL
- [72] CHUNG, CHENG L., US
- [72] SHARMA, MANISH, US
- [72] KIRILIN, ALEXEY, NL
- [72] CHOJECKI, ADAM, NL
- [72] MALEK, ANDRZEJ, US
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
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 - [25] EN
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 - [54] CIRCULATIONS DE SOLUTION DANS UN PROCEDE DE CALCINATION ET DE LIXIVIATION D'UN MINERAL CONTENANT DU LITHIUM
 - [72] TIIHONEN, MARIKA, FI
 - [72] ISOMAKI, NIKO, FI
 - [72] HIRSI, TUOMAS, FI
 - [71] METSO FINLAND OY, FI
 - [85] 2024-02-19
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- [25] EN
- [54] METHODS AND COMPOSITIONS FOR TREATING FIBROTIC DISEASES
- [54] METHODES ET COMPOSITIONS POUR TRAITER DES MALADIES FIBROTIQUES
- [72] GRUBER, LEWIS, S., US
- [71] SIWA CORPORATION, US
- [85] 2024-02-19
- [86] 2022-08-19 (PCT/US2022/075226)
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- [30] US (63/235,494) 2021-08-20

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 - [25] EN
 - [54] CATALYST AND PROCESS FOR THE DEHYDROGENATION OF ALKANES TO OLEFINS
 - [54] CATALYSEUR ET PROCEDE DE DESHYDROGENATION D'ALCANES EN OLEFINES
 - [72] POLLEFEYT, GLENN, NL
 - [72] BLANN, KEVIN, US
 - [72] FERRARI, DANIELA, US
 - [72] KIRILIN, ALEXEY, NL
 - [72] CHOJECKI, ADAM, NL
 - [72] CHUNG, CHENG L., US
 - [72] MALEK, ANDRZEJ, US
 - [71] DOW GLOBAL TECHNOLOGIES LLC, US
 - [85] 2024-02-21
 - [86] 2022-08-17 (PCT/US2022/075074)
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- [25] EN
- [54] DIAGNOSTIC METHOD OF BARRET'S OESOPHAGUS
- [54] METHODE DE DIAGNOSTIC DE L'ESOPHAGE DE BARRET
- [72] GEHRUNG, MARCEL, GB
- [72] TSAKIROGLOU, ANNA MARIA, GB
- [71] CYTED LTD, GB
- [85] 2024-02-19
- [86] 2022-08-18 (PCT/GB2022/052146)
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 - [54] COOLING EFFLUENT OF OXIDATIVE DEHYDROGENATION (ODH) REACTOR WITH QUENCH HEAT EXCHANGER
 - [54] REFROIDISSEMENT DE L'EFFLUENT D'UN REACTEUR A DESHYDROGENATION OXYDATIVE (ODH) A L'AIDE D'UN ECHANGEUR DE CHALEUR A REFROIDISSEMENT RAPIDE
 - [72] OLAYIWOLA, BOLAJI, CA
 - [72] SIMANZHENKOV, VASILY, CA
 - [72] GOODARZNIA, SHAHIN, CA
 - [71] NOVA CHEMICALS CORPORATION, CA
 - [85] 2024-02-19
 - [86] 2022-08-16 (PCT/IB2022/057659)
 - [87] (WO2023/026133)
 - [30] US (63/237,000) 2021-08-25
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- [25] EN
- [54] OXYGEN REMOVAL FROM AN ETHANE ODH PRODUCT STREAM USING ETHANOL
- [54] ELIMINATION DE L'OXYGENE D'UN FLUX DE PRODUIT DE DESHYDROGENATION OXYDATIVE D'ETHANE EN UTILISANT DE L'ETHANOL
- [72] OLAYIWOLA, BOLAJI, CA
- [72] SIMANZHENKOV, VASILY, CA
- [72] GOODARZNIA, SHAHIN, CA
- [72] GENT, DAVID, CA
- [72] KESHTKAR, MOHAMMAD, CA
- [71] NOVA CHEMICALS CORPORATION, CA
- [85] 2024-02-19
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- [87] (WO2023/031733)
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[13] A1

[51] Int.Cl. G01S 13/931 (2020.01)
[25] FR
[54] RADAR SYSTEM FOR A MOTOR VEHICLE
[54] SYSTEME RADAR POUR VEHICULE A MOTEUR
[72] BANCELIN, MATHIEU, FR
[72] GILLOTTE, PHILIPPE, FR
[72] ROCHEBLAVE, LAURENT, FR
[72] STABLO, FREDERIC, FR
[71] COMPAGNIE PLASTIC COMNIUM SE, FR
[85] 2024-02-21
[86] 2022-09-02 (PCT/EP2022/074498)
[87] (WO2023/031421)
[30] FR (FR2109249) 2021-09-03

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[13] A1

[51] Int.Cl. G01S 13/931 (2020.01)
[25] FR
[54] RADAR SYSTEM FOR A VEHICLE WITH REMOTE ELECTRONICS
[54] SYSTEME RADAR POUR VEHICULE A ELECTRONIQUE DEPORTEE
[72] BANCELIN, MATHIEU, FR
[72] ROCHEBLAVE, LAURENT, FR
[72] STABLO, FREDERIC, FR
[71] COMPAGNIE PLASTIC OMNIUM SE, FR
[85] 2024-02-21
[86] 2022-09-02 (PCT/EP2022/074488)
[87] (WO2023/031416)
[30] FR (FR2109251) 2021-09-03

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[13] A1

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[54] SYSTEM
[54] SYSTEME
[72] KOJIMA, HIDETAKA, JP
[72] AKAGI, TAKUMA, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[71] TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION, JP
[85] 2024-02-21
[86] 2022-08-15 (PCT/JP2022/030907)
[87] (WO2023/037826)
[30] JP (2021-145319) 2021-09-07

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[13] A1

[51] Int.Cl. G01R 31/62 (2020.01) G01R 31/72 (2020.01)
[25] EN
[54] METHOD AND DEVICE FOR TESTING A VOLTAGE CONVERTER
[54] PROCEDE ET DISPOSITIF POUR CONTROLER UN CONVERTISSEUR DE TENSION
[72] GOPP, DAVID, AT
[71] OMICRON ELECTRONICS GMBH, AT
[85] 2024-02-14
[86] 2022-08-16 (PCT/EP2022/072866)
[87] (WO2023/021037)
[30] AT (A50676/2021) 2021-08-20

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[13] A1

[51] Int.Cl. F16L 55/26 (2006.01) G01B 7/13 (2006.01) G01B 7/28 (2006.01) G01B 7/312 (2006.01) G01B 7/34 (2006.01) G01B 11/12 (2006.01) G01B 11/24 (2006.01) G01B 11/30 (2006.01) G01N 29/04 (2006.01) G01N 29/22 (2006.01) G01N 29/265 (2006.01)
[25] EN
[54] SEAM PEAKING DETERMINATION IN PIPES
[54] DETERMINATION DE FORMATION DE PICS DE TUVAUX
[72] KOPP, GERHARD, DE
[72] FRANK, MICHAEL, DE
[71] NDT GLOBAL CORPORATE LTD., IE
[85] 2024-02-15
[86] 2022-08-23 (PCT/EP2022/073399)
[87] (WO2023/025762)
[30] EP (PCT/EP2021/073285) 2021-08-23

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[13] A1

[51] Int.Cl. A61M 5/31 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR COLLECTING INJECTION INFORMATION
[54] SYSTEME ET PROCEDE DE COLLECTE D'INFORMATIONS D'INJECTION
[72] SHLUZAS, ALAN E., US
[72] LEUNG, MINA M., US
[72] TILLACK, JEFF, US
[72] DIAZ, STEPHEN H., US
[71] CREDENCE MEDSYSTEMS, INC., US
[85] 2024-02-15
[86] 2022-08-25 (PCT/US2022/041590)
[87] (WO2023/028268)
[30] US (63/237,243) 2021-08-26

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[13] A1

[51] Int.Cl. F02D 19/02 (2006.01) F02B 19/10 (2006.01) F02B 19/12 (2006.01)
[25] EN
[54] INTERNAL COMBUSTION ENGINE AND METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE
[54] MOTEUR A COMBUSTION INTERNE ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN MOTEUR A COMBUSTION INTERNE
[72] SPYRA, NIKOLAUS, AT
[71] INNIO JENBACHER GMBH & CO OG, AT
[85] 2024-02-21
[86] 2021-09-03 (PCT/AT2021/060308)
[87] (WO2023/028625)

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[13] A1

[51] Int.Cl. F02M 37/10 (2006.01) G01N
33/28 (2006.01)
[25] EN
[54] A FUEL MONITORING SYSTEM
[54] SYSTEME DE SURVEILLANCE DE
CARBURANT
[72] HUGHES, TOMAS EDWARD, GB
[72] JOHNS, CURTIS, GB
[72] MASSEY, NICHOLAS JAMES
ANDREW, GB
[72] MIDDLETON, THOMAS, GB
[72] THOMAS, JACK ELLIS, GB
[71] FUEL ACTIVE LIMITED, GB
[85] 2024-02-21
[86] 2022-08-19 (PCT/GB2022/052159)
[87] (WO2023/026028)
[30] GB (2112085.2) 2021-08-23

[21] 3,229,630
[13] A1

[51] Int.Cl. H01R 13/44 (2006.01) H01R
13/52 (2006.01) H01R 11/09 (2006.01)
[25] EN
[54] CONNECTOR WITH TETHERED
CAPS
[54] CONNECTEUR A CAPUCHONS
ATTACHES
[72] SCHNECK, ANDREW JOHN, US
[72] CHESSER, CHAD WESLEY, US
[72] TYLER, KYLE HOWARD, US
[71] HUBBELL INCORPORATED, US
[85] 2024-02-19
[86] 2022-08-24 (PCT/US2022/041322)
[87] (WO2023/028110)
[30] US (63/237,305) 2021-08-26
[30] US (63/390,225) 2022-07-18

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[13] A1

[51] Int.Cl. C02F 5/12 (2006.01) C23F
11/02 (2006.01) C23F 11/12 (2006.01)
C23F 11/14 (2006.01) C23F 14/02
(2006.01) C23G 1/18 (2006.01) C23G
1/26 (2006.01)
[25] EN
[54] METHOD AND COMPOSITION
FOR TREATING DILUTION
STEAM GENERATOR SYSTEMS
[54] PROCEDE ET COMPOSITION DE
TRAITEMENT DE SYSTEMES DE
GENERATEUR DE VAPEUR DE
DILUTION
[72] BUDHATHOKI, MAHESH, US
[72] MESKERS, DON JR., US
[72] PATEL, NIMESHKUMAR, US
[71] BL TECHNOLOGIES INC., US
[85] 2024-02-21
[86] 2022-09-07 (PCT/US2022/076003)
[87] (WO2023/039387)
[30] US (63/242,983) 2021-09-10

[21] 3,229,634
[13] A1

[25] EN
[54] NON-PUSHER DRY RUNNING
SEAL WITH SEALING
ELASTOMER AS A BACKUP IN
SLIDING SEAL SYSTEM
[54] JOINT D'ETANCHEITE
FONCTIONNANT A SEC SANS
POUSSOIR AVEC ELASTOMERE
D'ETANCHEITE EN TANT QUE
PROTECTION DANS UN
SYSTEME DE JOINT
COULISSANT
[72] TIRUNAGARI, PRASHANTHI, US
[72] WASSER, JAMES R., US
[71] JOHN CRANE INC., US
[85] 2024-02-21
[86] 2022-08-30 (PCT/IB2022/058114)
[87] (WO2023/031787)
[30] US (63/238,313) 2021-08-30

[21] 3,229,637
[13] A1

[51] Int.Cl. F21S 4/28 (2016.01) F21V
15/01 (2006.01)
[25] EN
[54] LINEAR LUMINAIRE INCLUDING
A LIGHT INSET INSERTED IN A
CHANNEL
[54] LUMINAIRE LINEAIRE
COMPRENANT UN INSERT DE
LUMIERE INSERE DANS UN
CANAL
[72] KROTMEIER, STEFAN, US
[72] HENDLER, RENE, AT
[71] DIEM GMBH, AT
[85] 2024-02-21
[86] 2022-10-11 (PCT/US2022/046261)
[87] (WO2023/086178)
[30] US (17527,111) 2021-11-15
[30] US (17/895,162) 2022-08-25

[21] 3,229,638
[13] A1

[51] Int.Cl. F02D 19/06 (2006.01)
[25] EN
[54] INTERNAL COMBUSTION
ENGINE AND A METHOD FOR
OPERATING AN INTERNAL
COMBUSTION ENGINE
[54] MOTEUR A COMBUSTION
INTERNE ET PROCEDE DE
FONCTIONNEMENT DE MOTEUR
A COMBUSTION INTERNE
[72] FIMML, WOLFGANG, AT
[71] INNIO JENBACHER GMBH & CO
OG, AT
[85] 2024-02-21
[86] 2021-09-03 (PCT/AT2021/060309)
[87] (WO2023/028626)

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[21] 3,229,639
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- [51] Int.Cl. B23K 26/21 (2014.01) B23K 26/348 (2014.01) B23K 26/60 (2014.01)
 - [25] EN
 - [54] FABRICATION METHOD FOR STEEL THIN-WALLED TAILOR-WELDED PART AND HOT-STAMPED PART PREPARED USING TAILORED-WELDED PART
 - [54] PROCEDE DE FABRICATION D'UNE PIECE SOUDEE A FACON A PAROI MINCE EN ACIER ET PIECE ESTAMPEE A CHAUD PREPAREE A L'AIDE D'UNE PIECE SOUDEE A FACON
 - [72] PAN, HUA, CN
 - [72] LIU, CHENGJIE, CN
 - [72] WU, TIANHAI, CN
 - [72] LEI, MING, CN
 - [72] SUN, ZHONGQU, CN
 - [72] JIANG, HAOMIN, CN
 - [72] WANG, SHUYANG, CN
 - [72] WU, YUE, CN
 - [71] BAOSHAN IRON & STEEL CO., LTD., CN
 - [85] 2024-02-21
 - [86] 2022-08-25 (PCT/CN2022/114784)
 - [87] (WO2023/025242)
 - [30] CN (202110980317.6) 2021-08-25
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[13] A1

- [51] Int.Cl. G06F 9/455 (2018.01)
- [25] EN
- [54] STATE MACHINE BASED SCRIPT APPLICATIONS AND SYSTEMS
- [54] APPLICATIONS ET SYSTEMES DE SCRIPT BASES SUR UNE MACHINE A ETATS
- [72] CZIMMERMANN, TAMAS, US
- [72] JORDAN, KENNETH, US
- [71] NUTCRACKER THERAPEUTICS, INC., US
- [85] 2024-02-21
- [86] 2022-08-29 (PCT/US2022/041795)
- [87] (WO2023/034163)
- [30] US (63/238,994) 2021-08-31

[21] 3,229,643
[13] A1

- [25] EN
 - [54] MICROPLATE CYCLING THERMO SONICATOR WITH PROGRAMMABLE ULTRASOUND, HEATING, AND COOLING FOR MULTI-ANALYTICAL APPLICATIONS
 - [54] THERMOSONDEUR ULTRASONORE A CYCLAGE DE MICROPLAQUE A ULTRASONS, CHAUFFAGE ET REFROIDISSEMENT PROGRAMMABLES POUR DES APPLICATIONS MULTI-ANALYTIQUES
 - [72] BOMSZTYK, KAROL, US
 - [72] DARLINGTON, GREGORY P., US
 - [72] MAR, DANIEL S., US
 - [72] MATULA, THOMAS J., US
 - [72] WING, GREGORY T., US
 - [71] MATCHSTICK TECHNOLOGIES, INC., US
 - [85] 2024-02-21
 - [86] 2022-08-23 (PCT/US2022/041234)
 - [87] (WO2023/028064)
 - [30] US (63/236,964) 2021-08-25
 - [30] US (17/884,705) 2022-08-10
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[21] 3,229,645
[13] A1

- [51] Int.Cl. A61P 31/10 (2006.01) C07K 14/40 (2006.01)
- [25] EN
- [54] ANTIBODIES AGAINST CANDIDA ALBICANS PROTEINS AND THEIR THERAPEUTIC AND PROPHYLACTIC USE FOR TREATING AND PREVENTING INVASIVE FUNGAL INFECTIONS
- [54] ANTICORPS CONTRE DES PROTEINES DE CANDIDA ALBICANS ET LEUR UTILISATION THERAPEUTIQUE ET PROPHYLACTIQUE POUR LE TRAITEMENT ET LA PREVENTION D'INFECTIONS FONGIQUES INVASIVES
- [72] BEYERSDORF, NIKLAS, DE
- [72] LANGENHORST, DANIELA, DE
- [72] ZIPFEL, PETER F., DE
- [72] DASARI, PRASAD, DE
- [71] JULIUS-MAXIMILIANS-UNIVERSITAT WURZBURG, DE
- [85] 2024-02-21
- [86] 2022-08-23 (PCT/EP2022/073476)
- [87] (WO2023/025795)
- [30] EP (21192859.3) 2021-08-24

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- [51] Int.Cl. C07D 471/10 (2006.01) A61P 25/08 (2006.01) A61P 35/02 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01)
 - [25] EN
 - [54] IRAK4 DEGRADATION AGENT, AND PREPARATION METHOD THEREFOR AND USE THEREOF
 - [54] AGENT DE DEGRADATION D'IRAK4, SON PROCEDE DE PREPARATION ET SON UTILISATION
 - [72] YE, ZHENGQING, CN
 - [72] FENG, YAN, CN
 - [72] LI, SHIQIANG, CN
 - [71] SHANGHAI LEADINGTAC PHARMACEUTICAL CO., LTD., CN
 - [85] 2024-02-21
 - [86] 2022-08-23 (PCT/CN2022/114323)
 - [87] (WO2023/025159)
 - [30] CN (202110966608.X) 2021-08-23
 - [30] CN (202210558158.5) 2022-05-19
 - [30] CN (202210989448.5) 2022-08-17
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- [51] Int.Cl. A01M 1/04 (2006.01) A01M 1/10 (2006.01)
- [25] EN
- [54] INSECT MONITORING DEVICE AND METHOD
- [54] DISPOSITIF ET PROCEDE DE SURVEILLANCE D'INSECTES
- [72] SCHELLHORN, NANCY, AU
- [72] MOORE, DARREN, AU
- [71] RAPIDAIM HOLDINGS PTY LTD, AU
- [85] 2024-02-21
- [86] 2022-08-25 (PCT/AU2022/051033)
- [87] (WO2023/023805)
- [30] AU (2021221779) 2021-08-25

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<p style="text-align: right;">[21] 3,229,651 [13] A1</p> <p>[25] EN [54] REFRACTIVE INDEX DETERMINATION BY MULTIDIRECTIONAL OPHTHALMIC IMAGE PROCESSING [54] DETERMINATION D'INDICE DE REFRACTION PAR TRAITEMENT D'IMAGE OPHTALMIQUE MULTIDICTIONNEL [72] ZIEGER, PETER, DE [72] WIELAND, TILLMANN, DE [72] GRUENDIG, MARTIN, DE [71] ALCON INC., CH [85] 2024-02-21 [86] 2022-09-15 (PCT/IB2022/058736) [87] (WO2023/067413) [30] US (63/257,268) 2021-10-19</p>	<p style="text-align: right;">[21] 3,229,653 [13] A1</p> <p>[25] EN [54] METHODS AND APPARATUSES FOR HANDLING UPLINK TRANSMISSION TIMING DIFFERENCE [54] PROCEDES ET APPAREILS DE TRAITEMENT DE DIFFERENCE DE SYNCHRONISATION DE TRANSMISSION DE LIAISON MONTANTE [72] YUE, RAN, CN [72] HAN, JING, CN [72] WU, LIANHAI, CN [72] ZHANG, YI, CN [72] XIAO, LINGLING, CN [71] LENOVO (BEIJING) LIMITED, CN [85] 2024-02-21 [86] 2021-09-30 (PCT/CN2021/122445) [87] (WO2023/050424)</p>	<p style="text-align: right;">[21] 3,229,659 [13] A1</p> <p>[51] Int.Cl. C04B 28/04 (2006.01) [54] USE OF A COLLOIDAL POLYMER INORGANIC HYBRID MATERIAL AS A CONSTRUCTION COMPOSITION ADDITIVE [54] UTILISATION D'UN MATERIAU HYBRIDE INORGANIQUE POLYMERÉ COLLOÏDAL EN TANT QU'ADDITIF DE COMPOSITION DE CONSTRUCTION [72] SACHSENHAUSER, BERNHARD, DE [72] DHERS, SEBASTIEN, DE [72] MORATTI, FRANCESCA, IT [72] DALLA LIBERA, ALESSANDRO, IT [71] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE [85] 2024-02-21 [86] 2022-08-26 (PCT/EP2022/073758) [87] (WO2023/025929) [30] EP (21193476.5) 2021-08-27</p>
<p style="text-align: right;">[21] 3,229,652 [13] A1</p> <p>[51] Int.Cl. H01M 4/587 (2010.01) H01M 10/052 (2010.01) [25] EN [54] ELECTRODE MATERIAL INCLUDING SURFACE MODIFIED SILICON OXIDE PARTICLES [54] MATERIAU D'ELECTRODE COMPRENANT DES PARTICULES D'OXYDE DE SILICIUM A SURFACE MODIFIEE [72] HA, SEONBAEK, US [72] HAYNER, CARY MICHAEL, US [72] HICKS, KATHRYN, US [72] KIM, IN, US [72] NAREN, NEVIN, US [72] YOST, AARON, US [71] NANOGRAF CORPORATION, US [85] 2024-02-21 [86] 2022-08-29 (PCT/US2022/041856) [87] (WO2023/043603) [30] US (63/244,357) 2021-09-15</p>	<p style="text-align: right;">[21] 3,229,657 [13] A1</p> <p>[51] Int.Cl. G01N 30/72 (2006.01) [25] EN [54] CANCER SCREENING IN COMPANION ANIMALS [54] DEPISTAGE DU CANCER CHEZ DES ANIMAUX DE COMPAGNIE [72] NAMGONG, CHAN, US [71] ONCOTECT, INC., US [85] 2024-02-21 [86] 2022-08-24 (PCT/US2022/041330) [87] (WO2023/028114) [30] US (63/236,379) 2021-08-24</p>	<p style="text-align: right;">[21] 3,229,660 [13] A1</p> <p>[51] Int.Cl. F03B 3/02 (2006.01) F03B 3/12 (2006.01) F03B 15/20 (2006.01) [25] EN [54] HYDROELECTRIC TURBINE SYSTEM AND METHOD OF USE [54] SYSTEME DE TURBINE HYDROELECTRIQUE ET PROCEDE D'UTILISATION [72] CHURCH, COTY, US [71] TAP ENERGY LLC, US [85] 2024-02-21 [86] 2022-08-27 (PCT/US2022/041781) [87] (WO2023/034159) [30] US (63/240,815) 2021-09-03</p>
<p style="text-align: right;">[21] 3,229,658 [13] A1</p> <p>[51] Int.Cl. F04D 25/08 (2006.01) F04D 29/54 (2006.01) F04D 29/56 (2006.01) [25] EN [54] IMPELLER FOR A DUCT [54] IMPULSEUR POUR CONDUIT [72] VAN DER WALT, JOHANNES PETRUS, AU [71] MINETEK INVESTMENTS PTY LTD, AU [85] 2024-02-21 [86] 2022-08-23 (PCT/AU2022/050961) [87] (WO2023/023734) [30] AU (2021221548) 2021-08-24</p>		

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[13] A1

- [51] Int.Cl. A61K 47/64 (2017.01) C07K 7/64 (2006.01)
 [25] EN
[54] COMPOUNDS AND METHODS FOR SKIPPING EXON 44 IN DUCHENNE MUSCULAR DYSTROPHY
[54] COMPOSES ET PROCEDES POUR SAUTER L'EXON 44 DANS LA DYSTROPHIE MUSCULAIRE DE DUCHENNE
 [72] LI, XIANG, US
 [72] QIAN, ZIQING, US
 [72] KHEIRABADI, MAHBOUBEH, US
 [72] WYSK, MARK, US
 [72] SETHURAMAN, NATARAJAN, US
 [72] LIAN, WENLONG, US
 [72] GIRGENRATH, MAHSWETA, US
 [72] ESTRELLA, NELSA, US
 [71] ENTRADA THERAPEUTICS, INC., US
 [85] 2024-02-21
 [86] 2022-08-30 (PCT/US2022/075691)
 [87] (WO2023/034817)
 [30] US (63/239,645) 2021-09-01
 [30] US (63/239,671) 2021-09-01
 [30] US (63/290,960) 2021-12-17
 [30] US (63/292,685) 2021-12-22
 [30] US (63/298,565) 2022-01-11
 [30] US (63/268,577) 2022-02-25
 [30] US (63/268,580) 2022-02-25
 [30] US (63/362,294) 2022-03-31
 [30] US (63/362,423) 2022-04-04
 [30] US (63/337,560) 2022-05-02
 [30] US (63/354,456) 2022-06-22

[21] 3,229,663
[13] A1

- [51] Int.Cl. F22B 1/02 (2006.01)
 [25] EN
[54] HEAT-GENERATING DEVICE AND BOILER
[54] DISPOSITIF DE GENERATION DE CHALEUR ET CHAUDIERE
 [72] ENDO, YOSHITO, JP
 [72] IWAMURA, YASUHIRO, JP
 [72] ITO, TAKEHIKO, JP
 [72] YOSHINO, HIDEKI, JP
 [71] CLEAN PLANET INC., JP
 [85] 2024-02-21
 [86] 2022-08-15 (PCT/JP2022/030877)
 [87] (WO2023/026889)
 [30] JP (2021-139433) 2021-08-27

[21] 3,229,664
[13] A1

- [51] Int.Cl. C08K 5/09 (2006.01) C08K 5/04 (2006.01) C07D 261/02 (2006.01)
 [25] EN
[54] SYNTHESIS AND EVALUATION OF NOVEL (4-HYDROXYPHENYL) SUBSTITUTED CARBOCYCLES AS POTENT AND SELECTIVE ESTROGEN RECEPTOR BETA AGONISTS
[54] SYNTHESE ET EVALUATION DE NOUVEAUX CARBOCYCLES (4-HYDROXYPHENYL) SUBSTITUÉS COMME AGONISTES PUISSANTS ET SELECTIFS DU RECEPTEUR BETA DES OSTROGENES
 [72] DONALDSON, WILLIAM A., US
 [72] SEM, DANIEL S., US
 [72] WETZEL, EDWARD A., US
 [71] MARQUETTE UNIVERSITY, US
 [71] CONCORDIA UNIVERSITY, INC., US
 [85] 2024-02-21
 [86] 2022-08-23 (PCT/US2022/041253)
 [87] (WO2023/028074)
 [30] US (63/236,145) 2021-08-23

[21] 3,229,667
[13] A1

- [51] Int.Cl. G05B 19/43 (2006.01)
 [25] EN
[54] DRYING DEVICE AND METHOD FOR FORMING A COATING IN THE CAVITY OF A METAL CAN
[54] DISPOSITIF DE SECHAGE ET PROCEDE DE FORMATION D'UN REVETEMENT DANS LA CAVITE D'UNE BOITE METALLIQUE
 [72] REINHARDT, ULF, DE
 [71] BELVAC PRODUCTION MACHINERY, INC., US
 [85] 2024-02-21
 [86] 2022-08-24 (PCT/DE2022/100636)
 [87] (WO2023/030579)
 [30] DE (10 2021 122 600.7) 2021-09-01

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[13] A1

- [25] EN
[54] BACULOVIRUS EXPRESSION SYSTEM
[54] SYSTEME D'EXPRESSION DE BACULOVIRUS
 [72] LIU, TONGYAO, US
 [72] MAGHODIA, AJAY, US
 [72] ZAKAS, PHILIP, US
 [71] BIOVERATIV THERAPEUTICS INC., US
 [85] 2024-02-21
 [86] 2022-08-19 (PCT/US2022/075186)
 [87] (WO2023/028440)
 [30] US (PCT/US2021/047218) 2021-08-23
 [30] US (63/310,038) 2022-02-14

[21] 3,229,669
[13] A1

- [51] Int.Cl. A61K 8/55 (2006.01)
 [25] EN
[54] METHODS FOR STRENGTHENING AND REPAIRING HAIR
[54] METHODES POUR RENFORCER ET REPARER LES CHEVEUX
 [72] JI, ZHAOXIA, US
 [72] ABEYRATHNA, NAWODI, US
 [72] BRYANT, HAROLD, US
 [72] MC LAUGHLIN, RONALD P., US
 [71] LIVING PROOF, INC., US
 [85] 2024-02-21
 [86] 2022-08-30 (PCT/US2022/042012)
 [87] (WO2023/034283)
 [30] US (63/238,350) 2021-08-30

[21] 3,229,671
[13] A1

- [51] Int.Cl. G06F 21/31 (2013.01) H04W 12/06 (2021.01) A63B 22/02 (2006.01)
 [25] EN
[54] EXERCISE MACHINE WITH SCREEN LOCK FUNCTION
[54] MACHINE D'EXERCICE A FONCTION DE VERROUILLAGE D'ECRAN
 [72] TAYLOR, JAMES, US
 [72] RODDEN, STEVEN MICHAEL, US
 [72] BLACK, STEVE, US
 [72] EVANADO, CYRUS, US
 [72] HASELMANN, ROBERT NICHOLAS, US
 [71] BOWFLEX INC., US
 [85] 2024-02-21
 [86] 2022-08-24 (PCT/US2022/041419)
 [87] (WO2023/028173)
 [30] US (63/237,042) 2021-08-25

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[21] **3,229,672**

[13] A1

[51] **Int.Cl. G01M 17/03 (2006.01)**
 [25] EN
[54] SYSTEM AND METHOD FOR MONITORING AN ENDLESS TRACK OF A TRACK SYSTEM
[54] SYSTEME ET PROCEDE DE SURVEILLANCE D'UNE CHENILLE D'UN SYSTEME DE VOIE
 [72] LEMIEUX, YVES, CA
 [72] BRION, LEILA, CA
 [72] HALSTEAD, ERIC, CA
 [71] SOUCY INTERNATIONAL INC., CA
 [85] 2024-02-21
 [86] 2022-08-15 (PCT/CA2022/051236)
 [87] (WO2023/023842)
 [30] US (63/236,741) 2021-08-25

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[13] A1

[51] **Int.Cl. A61F 2/966 (2013.01) A61F 2/958 (2013.01)**
 [25] EN
[54] DELIVERY SYSTEMS
[54] SYSTEMES DE POSE
 [72] JIMENEZ, TEODORO S., US
 [72] FULKERSON, JOHN, US
 [72] RIZK, ISA, US
 [72] AGUAYO, FRANCISCO, US
 [71] REFLOW MEDICAL, INC., US
 [85] 2024-02-21
 [86] 2022-09-30 (PCT/US2022/045400)
 [87] (WO2023/056027)
 [30] US (63/251,213) 2021-10-01
 [30] US (17/956,672) 2022-09-29

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[13] A1

[51] **Int.Cl. G01R 15/18 (2006.01) G01R 31/58 (2020.01) G01R 19/15 (2006.01) H01F 38/30 (2006.01)**
 [25] EN
[54] UNIVERSAL AC/DC CURRENT SENSOR AND ISOLATOR
[54] CAPTEUR DE COURANT CA/CC UNIVERSEL ET ISOLATEUR
 [72] GAJARE, PRANJAL M., US
 [72] KULKARNI, SHREYAS, US
 [72] DIVAN, DEEPAK M., US
 [72] HAO, RUOMU, US
 [71] GEORGIA TECH RESEARCH CORPORATION, US
 [85] 2024-02-21
 [86] 2022-09-23 (PCT/US2022/076937)
 [87] (WO2023/049845)
 [30] US (63/247,543) 2021-09-23

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[13] A1

[51] **Int.Cl. F02B 75/28 (2006.01) F02D 19/06 (2006.01) F02M 31/13 (2006.01) F02M 31/04 (2006.01)**
 [25] EN
[54] FUEL AGNOSTIC COMPRESSION IGNITION ENGINE
[54] MOTEUR A ALLUMAGE PAR COMPRESSION AGNOSTIQUE DE CARBURANT
 [72] BLUMREITER, JULIE, US
 [72] JOHNSON, BERNARD, US
 [72] SCHANZ, ROBERT, US
 [72] VITTAL, MANOHAR, US
 [71] CLEARFLAME ENGINES, INC., US
 [85] 2024-02-21
 [86] 2022-08-24 (PCT/US2022/041391)
 [87] (WO2023/028156)
 [30] US (63/236,965) 2021-08-25

[21] **3,229,676**

[13] A1

[51] **Int.Cl. C04B 7/26 (2006.01) C04B 28/02 (2006.01) C04B 28/04 (2006.01) C04B 28/06 (2006.01)**
 [25] EN
[54] METHOD FOR MANUFACTURING A SUPPLEMENTARY CEMENTITIOUS MATERIAL
[54] PROCEDE DE FABRICATION D'UN MATERIAU CIMENTAIRE SUPPLEMENTAIRE
 [72] ZALEWSKI, JACEK, DE
 [72] GOLDA, ARTHUR, DE
 [72] BATOG, MACIEJ, DE
 [72] DZIUK, DAMIAN, DE
 [72] SYNOWIEC, KATARZYNA, DE
 [72] ZACZEK, KAROL, DE
 [72] PALCZEWSKI, MARCIN, DE
 [71] HEIDELBERG MATERIALS AG, DE
 [85] 2024-02-21
 [86] 2022-09-08 (PCT/EP2022/074998)
 [87] (WO2023/046497)
 [30] EP (21198584.1) 2021-09-23

[21] **3,229,677**

[13] A1

[51] **Int.Cl. B60K 1/02 (2006.01)**
 [25] EN
[54] A POWERTRAIN SUPPORT ARRANGEMENT, AND A MOBILE UNDERGROUND MINING MACHINE
[54] AGENCEMENT DE SUPPORT DE GROUPE MOTOPROPULSEUR ET MACHINE D'EXPLOITATION MINIERE SOUTERRAINE MOBILE
 [72] LAIHONEN, ESKO, FI
 [72] AHTIAINEN, JOUNI, FI
 [72] KITULA, MIKKO, FI
 [72] ILJIN, TUOMAS, FI
 [71] SANDVIK MINING AND CONSTRUCTION OY, FI
 [85] 2024-02-21
 [86] 2022-11-07 (PCT/EP2022/080930)
 [87] (WO2023/094137)
 [30] EP (21209967.5) 2021-11-23

[21] **3,229,678**

[13] A1

[51] **Int.Cl. A61K 31/5513 (2006.01) A61P 25/18 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**
 [25] EN
[54] ORAL FILM UNIT DOSAGE FORM
[54] FORME POSOLOGIQUE UNITAIRE DE FILM ORAL
 [72] WESTRIN, BENGT, SE
 [72] ROLLET, NICOLAS, FR
 [72] DE LA PRUNAREDE, JUSTINE, FR
 [71] SWIPP AB, SE
 [85] 2024-02-21
 [86] 2022-08-25 (PCT/EP2022/073686)
 [87] (WO2023/025890)
 [30] EP (21193042.5) 2021-08-25

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[21] 3,229,679
[13] A1

[51] Int.Cl. G06Q 30/02 (2023.01) G06Q 30/06 (2023.01)
[25] EN
[54] SYSTEMS AND METHODS FOR OPTIMAL REPLACEMENT COMPONENT PRICING
[54] SYSTEMES ET PROCEDES DE TARIFICATION OPTIMALE DE COMPOSANT DE REMplacement
[72] SARDENBERG, LUCAS INOUE, US
[71] CATERPILLAR INC., US
[85] 2024-02-21
[86] 2022-07-28 (PCT/US2022/038614)
[87] (WO2023/027858)
[30] US (17/410,874) 2021-08-24

[21] 3,229,681
[13] A1

[51] Int.Cl. B60L 58/30 (2019.01) H01M 8/04537 (2016.01) H01M 8/04858 (2016.01) B60L 58/40 (2019.01) H01M 8/04 (2016.01)
[25] EN
[54] WORK MACHINE CONTROL DEVICE AND WORK MACHINE CONTROL METHOD
[54] DISPOSITIF DE COMMANDE DE MACHINE DE TRAVAIL ET PROCEDE DE COMMANDE DE MACHINE DE TRAVAIL
[72] YAMAWAKI, SHOTA, JP
[71] KOMATSU LTD., JP
[85] 2024-02-21
[86] 2022-09-29 (PCT/JP2022/036477)
[87] (WO2023/054598)
[30] JP (2021-161335) 2021-09-30

[21] 3,229,682
[13] A1

[51] Int.Cl. F23D 14/58 (2006.01)
[25] EN
[54] MICROMIX FUEL INJECTION AIR NOZZLE
[54] BUSE A AIR D'INJECTION DE COMBUSTIBLE A MICROMELANGE
[72] OSKAM, GARETH W., US
[72] MCGEE, GEORGINA J., US
[72] SUNG, YONDUCK, US
[72] BALOW, GREG M., US
[72] PATEL, RAJESHRI BEN, US
[72] KIRKSEY, NATHAN J., US
[71] SOLAR TURBINES INCORPORATED, US
[85] 2024-02-21
[86] 2022-08-11 (PCT/US2022/040019)
[87] (WO2023/027898)
[30] US (63/236,618) 2021-08-24
[30] US (17/877,732) 2022-07-29

[21] 3,229,684
[13] A1

[51] Int.Cl. G06F 21/31 (2013.01)
[25] EN
[54] MODULAR METRICS BAR FOR AN EXERCISE MACHINE
[54] BARRE DE METRIQUES MODULAIRE POUR MACHINE D'EXERCICE
[72] BEADLE, KRISTIN A., US
[72] CITTI, WESLEY, US
[72] TSAI, JAMES, US
[72] MARSHALL, HEATHER, US
[72] HASELMANN, ROBERT NICHOLAS, US
[72] HARLING, JOSHUA HAMMOND, US
[71] BOWFLEX INC., US
[85] 2024-02-21
[86] 2022-08-24 (PCT/US2022/041423)
[87] (WO2023/028176)
[30] US (63/237,042) 2021-08-25

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[25] EN
[54] PLANT AND PROCESS FOR THE CONTINUOUS PRODUCTION OF AMMONIA USING RENEWABLE ENERGIES
[54] INSTALLATION ET PROCEDE POUR LA PRODUCTION CONTINUE D'AMMONIAC A L'AIDE D'ENERGIES RENOUVELABLES
[72] WAGNER, INGO, DE
[71] UNIPER TECHNOLOGIES GMBH, DE
[85] 2024-02-21
[86] 2022-08-31 (PCT/EP2022/074228)
[87] (WO2023/031286)
[30] DE (10 2021 122 602.3) 2021-09-01

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[25] EN
[54] 2-AMINO-5,5-DIMETHYLHEXANOIC ACID DERIVATIVES AS SORTILIN MODULATORS FOR USE IN THE TREATMENT OF DISEASE OF THE CENTRAL NERVOUS SYSTEM
[54] DERIVES D'ACIDE 2-AMINO-5,5-DIMETHYLHEXANOIQUE COMME MODULATEURS DE SORTILINE POUR UTILISATION DANS LE TRAITEMENT DES MALADIES DU SYSTEME NERVEUX CENTRAL
[72] LITTLE, PAUL BRIAN, DK
[72] CASES-THOMAS, MANUEL JAVIER, DK
[72] KJOLBY, MADS FUGLSANG, DK
[72] NYKJAR, ANDERS, DK
[71] INSUSENSE APS, DK
[85] 2024-02-21
[86] 2022-09-02 (PCT/EP2022/074536)
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[54] COMPOSITE MATERIAL FOR USE IN REDUCING CARBON EMISSION
[54] MATERIAU COMPOSITE POUR UTILISATION DANS LA REDUCTION DES EMISSIONS DE CARBONE
 [72] BIGIO, JACK (TATO), IL
 [72] FELUS, GIL, IL
 [72] STAHL, GAD, IL
 [71] U.B.Q MATERIALS LTD., IL
 [85] 2024-02-21
 [86] 2022-08-23 (PCT/IL2022/050921)
 [87] (WO2023/031912)
 [30] IL (285993) 2021-08-31

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 [25] EN
[54] CHIMERIC ANTIGEN RECEPTOR AND USE THEREOF
[54] RECEPTEUR ANTIGENIQUE CHIMERIQUE ET SON UTILISATION
 [72] GUO, HAO, CN
 [72] CHEN, SIYE, CN
 [72] HE, XIAOWEN, CN
 [72] LI, HUIJIAO, CN
 [72] LING, YOUNGUO, CN
 [72] YANG, YUE, CN
 [72] XU, YANHONG, CN
 [72] YANG, QI, CN
 [72] XU, ZHIFENG, CN
 [72] LI, XIAOPEI, CN
 [72] YANG, HUANFENG, CN
 [71] ORICELL THERAPEUTICS CO., LTD., CN
 [85] 2024-02-21
 [86] 2021-08-27 (PCT/CN2021/115057)
 [87] (WO2023/024084)

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 [25] EN
[54] ORGANIC COMPOSITE MATERIAL, METHODS OF OBTAINING THE SAME FROM HETEROGENOUS WASTE, AND USES THEREOF
[54] MATERIAU COMPOSITE ORGANIQUE, SES PROCEDES D'OBTENTION A PARTIR DE DECHETS HETEROGENES ET UTILISATIONS ASSOCIEES
 [72] BIGIO, JACK (TATO), IL
 [72] FELUS, GIL, IL
 [72] STAHL, GAD, IL
 [71] U.B.Q MATERIALS LTD., IL
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 [86] 2022-08-23 (PCT/IL2022/050920)
 [87] (WO2023/031911)
 [30] IL (285998) 2021-08-31

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[54] BUILDING COVERING SYSTEM INCORPORATING A BUILDING PANEL, AND METHODS OF FORMING AND INSTALLING THE SAME
[54] SYSTEME DE REVETEMENT DE CONSTRUCTION INCORPORANT UN PANNEAU DE CONSTRUCTION ET PROCEDES DE FORMATION ET D'INSTALLATION DE CELUI-CI
 [72] KRAGNESS, ERIC D., US
 [72] CAVANAUGH, JASON T., US
 [71] ARMSTRONG WORLD INDUSTRIES, INC., US
 [85] 2024-02-21
 [86] 2022-08-24 (PCT/US2022/041338)
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 [25] EN
[54] QUINAZOLINE COMPOUNDS FOR TREATMENT OF DISEASE
[54] COMPOSES DE QUINAZOLINE POUR LE TRAITEMENT D'UNE MALADIE
 [72] YAN, SHUNQI, US
 [72] YEH, LITAIN, US
 [71] ARTHROSI THERAPEUTICS, INC., US
 [85] 2024-02-21
 [86] 2022-08-23 (PCT/US2022/041218)
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 [30] US (63/236,581) 2021-08-24

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 [25] EN
[54] HIGHLY LOADED BROMOXYNIL FORMULATIONS
[54] FORMULATIONS DE BROMOXYNIL FORTEMENT CHARGEES
 [72] HORSFIELD, ANDREW, AU
 [72] VAUGHAN, PETER, AU
 [71] ADAMA AUSTRALIA PTY LIMITED, AU
 [85] 2024-02-21
 [86] 2022-08-25 (PCT/AU2022/051045)
 [87] (WO2023/023817)
 [30] AU (2021221815) 2021-08-25

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 - [25] EN
 - [54] **CONNECTOR FOR MULTIPLEXER OPTICAL COUPLING**
 - [54] **CONNECTEUR POUR COUPLAGE OPTIQUE MULTIPLEXEUR**
 - [72] COOK, CHRISTOPHER A., US
 - [72] SCHULTHEIS, ERIC, US
 - [71] BOLT MEDICAL, INC., US
 - [85] 2024-02-21
 - [86] 2022-08-08 (PCT/US2022/039678)
 - [87] (WO2023/027887)
 - [30] US (63/236,633) 2021-08-24
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- [25] EN
- [54] **IMPROVED STABILIZATION OF PHYCOCYANINS IN ACIDIC COMPOSITIONS**
- [54] **STABILISATION AMELIOREE DE PHYCOCYANINES DANS DES COMPOSITIONS ACIDES**
- [72] COURBALAY, MATTHIEU, FR
- [72] ATHANE, AXEL, FR
- [72] CAGNAC, OLIVIER, FR
- [72] AVILES, BRYAN, US
- [72] JARVIS, JENNIFER MICHELLE, US
- [72] NANTZ, JODY RENNER, US
- [71] THE WILLIAMSON GROUP, LLC, US
- [85] 2024-02-21
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- [87] (WO2023/026097)
- [30] US (63/236,444) 2021-08-24

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- [25] EN
 - [54] **EXPANSION CHAMBER FOR A WINE BOTTLE AERATOR**
 - [54] **CHAMBRE DE DETENTE POUR AERATEUR DE BOUTEILLE DE VIN**
 - [72] STEVENSON, ROBERT A., US
 - [72] STEVENSON, WENDY L., US
 - [72] STEVENSON, JENNIFER L., US
 - [72] STEVENSON, RYAN A., US
 - [71] STEVENSON, ROBERT A., US
 - [71] STEVENSON, WENDY L., US
 - [71] STEVENSON, JENNIFER L., US
 - [71] STEVENSON, RYAN A., US
 - [85] 2024-02-21
 - [86] 2021-08-26 (PCT/US2021/071295)
 - [87] (WO2023/027758)
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- [51] **Int.Cl. C11D 1/62 (2006.01)**
- [25] EN
- [54] **CATIONIC NONIONIC BLENDS FOR CLEANING OILY SOILS**
- [54] **MELANGES CATIONIQUES NON IONIQUES POUR LE NETTOYAGE DE SALISSURES HUILEUSES**
- [72] GHOSH, KAUSTAV, US
- [72] NEVILLE, OLIVIA, US
- [72] HUNKER, LAUREN MICHELLE, US
- [72] CHEN, EMILY, US
- [71] ECOLAB USA INC., US
- [85] 2024-02-21
- [86] 2022-09-02 (PCT/US2022/075881)
- [87] (WO2023/034951)
- [30] US (63/260,880) 2021-09-03

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- [51] **Int.Cl. H02P 21/12 (2016.01) H02K 7/04 (2006.01)**
 - [25] EN
 - [54] **CONCENTRATED-WINDING ELECTRICAL MACHINES WITH FLOATING EXCITER**
 - [54] **MACHINES ELECTRIQUES A ENROULEMENT CONCENTRE A EXCITATEUR FLOTTANT**
 - [72] PEREZ-LOYA, JOSE, SE
 - [72] ABRAHAMSSON, JOHAN, SE
 - [72] LUNDIN, URBAN, SE
 - [71] MAGSTROM AB, SE
 - [85] 2024-02-21
 - [86] 2022-08-25 (PCT/SE2022/050762)
 - [87] (WO2023/027622)
 - [30] SE (2151024-3) 2021-08-27
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- [54] **TREATMENT OF COVID-19**
- [54] **TRAITEMENT DE LA COVID-19**
- [72] BRABEK, JAN, US
- [72] PACAK, TOMAS, US
- [72] JAKUBEK, MILAN, US
- [71] OXYGEN BIOTECH LLC, US
- [85] 2024-02-21
- [86] 2022-08-22 (PCT/US2022/041079)
- [87] (WO2023/028003)
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 - [25] EN
 - [54] METHODS OF DETERMINING CANCER THERAPY EFFECTIVENESS
 - [54] METHODES DE DETERMINATION DE L'EFFICACITE D'UNE THERAPIE ANTICANCEREUSE
 - [72] RHODES, DANIEL REED, US
 - [72] TOMLINS, SCOTT ARTHUR, US
 - [72] JOHNSON, DAVID BRYAN, US
 - [71] STRATA ONCOLOGY, INC., US
 - [85] 2023-12-18
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- [25] EN
- [54] DIAGNOSTIC PLATFORM FOR TESTING EXHALED BREATH CONDENSATE AND UNIVERSAL BIOSENSOR
- [54] PLATE-FORME DE DIAGNOSTIC POUR TESTER UN CONDENSAT D'HALEINE EXPIREE ET BIOCAPTEUR UNIVERSEL
- [72] WADEKAR, SHEKHAR, US
- [72] SZUNERITS, SABINE, FR
- [72] BOUKHERROUB, RABAH, FR
- [72] DANIELS, JOHN J., US
- [71] DIAGMETRICS, INC., US
- [71] DANIELS, JOHN J., US
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- [87] (WO2023/023678)
- [30] US (63/245,295) 2021-09-17

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 - [25] EN
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 - [54] SERINGUE A POIGNEE DE PISTON MULTIFONCTIONNELLE
 - [72] SHAW, THOMAS J., US
 - [71] SHAW, THOMAS J., US
 - [85] 2024-02-13
 - [86] 2022-08-15 (PCT/US2022/074980)
 - [87] (WO2023/023488)
 - [30] US (17/403,385) 2021-08-16
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[13] A1

- [25] EN
- [54] ENDOLUMINAL INTRODUCER SHEATH WITH POLYMER LAYERS AND SUPPORT ELEMENTS THEREBETWEEN
- [54] Gaine d'introduction endoluminale avec couches polymères et éléments de support entre celles-ci
- [72] GOEPFRICH, JAMES L., US
- [72] MONTGOMERY, WILLIAM D., US
- [71] W. L. GORE & ASSOCIATES, INC., US
- [85] 2024-02-22
- [86] 2022-09-14 (PCT/US2022/043515)
- [87] (WO2023/043829)
- [30] US (63/244,688) 2021-09-15

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- [51] Int.Cl. G01N 33/68 (2006.01)
 - [25] EN
 - [54] METHODS OF ISOLATING A COMPOSITION COMPRISING A TARGET MOLECULE
 - [54] PROCEDES D'ISOLEMENT D'UNE COMPOSITION COMPRENANT UNE MOLECULE CIBLE
 - [72] SOOKIASIAN, DANIELLE LAUREN, US
 - [72] NUNES, ROBERTO NEVES, US
 - [72] DANDLIKER, PETER JEFFREY, US
 - [72] LEVIN, BENJAMIN DIAMON, US
 - [72] WIJAYA, JUWINA, US
 - [72] RIZZOLO ROUSTAYAN, KAMRAN DANIEL, US
 - [71] DEWPOINT THERAPEUTICS, INC., US
 - [85] 2024-02-20
 - [86] 2022-08-19 (PCT/US2022/040890)
 - [87] (WO2023/023326)
 - [30] US (63/235,594) 2021-08-20
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- [25] EN
- [54] BIO-OIL FRACTIONS COMPOSITION DERIVED FROM BIO-OIL
- [54] COMPOSITION DE FRACTIONS DE BIO-HUILE DERIVEE DE BIO-HUILE
- [72] DE LIMA, DANILO RIBEIRO, BR
- [72] MARTINS, MARCUS PAULO, BR
- [72] GUIMARAES, MATHEUS ANTUNES, BR
- [72] RAMIRES, HELOISA OGUSHI ROMEIRO, BR
- [72] SOLIMAN, EVERTON PIRES, BR
- [72] SILVA, SAULO DE MELO XAVIER, BR
- [72] ZAUZA, EDIVAL ANGELO VALVERDE, BR
- [71] SUZANO S.A., BR
- [85] 2024-02-20
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- [87] (WO2023/023832)
- [30] US (63/237,034) 2021-08-25

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[51] Int.Cl. C07C 217/56 (2006.01) A61K 31/138 (2006.01)
[25] EN
[54] DEUTERATED ANALOGS AND DERIVATIVES OF 4-BROMO-2,5-DIMETHOXYPHENETHYLAMINE AND USES THEREOF
[54] ANALOGUES DEUTERES ET DERIVES DE 4-BROMO-2,5-DIMETHOXYPHENETHYLAMINE ET LEURS UTILISATIONS
[72] CLARK, SAM, US
[72] DUNCTON, MATTHEW ALEXANDER JAMES, US
[71] TERRAN BIOSCIENCES INC., US
[85] 2024-02-20
[86] 2022-08-19 (PCT/US2022/040927)
[87] (WO2023/023351)

[21] 3,229,714
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[25] EN
[54] PULMONARY NEUROMUSCULAR METRIC DEVICE
[54] DISPOSITIF DE MESURE DE PARAMETRES NEUROMUSCULAIRES PULMONAIRES
[72] RUBIN, LAWRENCE D., US
[72] HALEM, MICHAEL A., US
[71] BECARE LINK LLC, US
[85] 2024-02-22
[86] 2022-09-14 (PCT/US2022/043445)
[87] (WO2023/055565)
[30] US (63/249,175) 2021-09-28

[21] 3,229,716
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[51] Int.Cl. B05B 13/04 (2006.01) B05B 13/02 (2006.01) B05D 3/06 (2006.01) B25B 5/02 (2006.01) B25B 5/14 (2006.01) B60B 21/00 (2006.01) B05B 16/00 (2018.01)
[25] EN
[54] APPARATUS FOR SURFACE TREATMENT, PREFERABLY PAINTING OF CAR RIMS, AND METHOD THEREFORE
[54] APPAREIL DE TRAITEMENT DE SURFACE, DE PREFERENCE DE PEINTURE DE JANTES DE VOITURE, ET METHODE ASSOCIEE
[72] CHRISTENSEN, HENRIK BRO, DK
[71] BROS HOLDING APS, DK
[85] 2024-02-20
[86] 2022-09-16 (PCT/DK2022/050192)
[87] (WO2023/041135)
[30] DK (PA 2021 70457) 2021-09-16
[30] DK (PA 2022 70142) 2022-03-28
[30] DK (PA 2022 70143) 2022-03-28

[21] 3,229,718
[13] A1

[25] EN
[54] SEMICONDUCTOR-SUPERCONDUCTOR HYBRID DEVICE HAVING A TUNNEL BARRIER
[54] DISPOSITIF HYBRIDE A SEMI-CONDUCTEUR-SUPRACONDUCTEUR AYANT UNE BARRIERE TUNNEL
[72] WANG, JIYIN, US
[72] LEVAJAC, VUKAN, US
[72] LEMANG, MATHILDE FLORE, US
[72] KOUWENHOVEN, LEONARDUS PETRUS, US
[71] MICROSOFT TECHNOLOGY LICENSING LLC, US
[85] 2024-02-20
[86] 2021-09-01 (PCT/EP2021/074183)
[87] (WO2023/030626)

[21] 3,229,721
[13] A1

[51] Int.Cl. B01D 53/64 (2006.01) B01J 20/18 (2006.01) B01J 20/32 (2006.01)
[25] EN
[54] SORBENT-POLYMER COMPOSITE (SPC) MATERIAL AND METHOD FOR MERCURY REMOVAL USING THE SORBENT-POLYMER COMPOSITE (SPC) MATERIAL
[54] MATERIAU COMPOSÉ POLYMIÈRE SORBANT (SPC) ET PROCÉDÉ D'ÉLIMINATION DU MERCURE AU MOYEN DU MATERIAU COMPOSÉ POLYMIÈRE SORBANT (SPC)
[72] LU, XIAO-CHUN, US
[72] HARDWICK, STEVE, US
[72] BEUSCHER, UWE, US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2024-02-22
[86] 2022-09-15 (PCT/US2022/043633)
[87] (WO2023/043903)
[30] US (63/245,596) 2021-09-17

[21] 3,229,723
[13] A1

[51] Int.Cl. B66C 13/06 (2006.01)
[25] EN
[54] LIFTING APPARATUS FOR RAISING AND LOWERING LOADS
[54] DISPOSITIF DE LEVAGE POUR LEVER ET ABAISSER DES CHARGES
[72] MOHR, CHRISTOPH, DE
[71] MOHR LIZENZ VERWALTUNGS GMBH, DE
[85] 2024-02-20
[86] 2021-09-22 (PCT/EP2021/076040)
[87] (WO2023/046276)

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[13] A1

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 [25] EN
 [54] TOWER CRANE, METHOD AND CONTROL UNIT FOR OPERATING A TOWER CRANE, TROLLEY AND TROLLEY TRAVEL UNIT
 [54] GRUE A TOUR PIVOTANTE, PROCEDE ET UNITE DE COMMANDE POUR FAIRE FONCTIONNER UNE GRUE A TOUR PIVOTANTE, CHARIOT ROULANT ET MECANISME DE ROULEMENT POUR CHARIOT
 [72] MOSOLF, VIKTOR, DE
 [72] MULLER, ALEXEY, DE
 [71] WOLFFKRAN HOLDING AG, CH
 [85] 2024-02-20
 [86] 2022-08-18 (PCT/EP2022/073029)
 [87] (WO2023/025643)
 [30] DE (10 2021 121 818.7) 2021-08-23

[21] 3,229,725
[13] A1

[51] Int.Cl. B01F 25/312 (2022.01) F04F 5/24 (2006.01) F04F 5/50 (2006.01)
 [25] EN
 [54] A TURBINE ASSISTED VENTURI MIXER
 [54] MELANGEUR VENTURI ASSISTE PAR TURBINE
 [72] KANG, SAMUEL, AU
 [71] KANG, SAMUEL, AU
 [85] 2024-02-22
 [86] 2022-09-16 (PCT/AU2022/051115)
 [87] (WO2023/039634)
 [30] AU (2021903003) 2021-09-17

[21] 3,229,728
[13] A1

[51] Int.Cl. C12N 5/075 (2010.01) A61K 38/17 (2006.01)
 [25] EN
 [54] STABILISING THE HUMAN SPINDLE BY KIFC1/HSET
 [54] STABILISATION DU FUSEAU HUMAIN PAR KIFC1/HSET
 [72] SCHUH, MELINA, DE
 [72] SO, CHUN, DE
 [71] MAX-PLANCK-GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V., DE
 [85] 2024-02-20
 [86] 2022-07-25 (PCT/EP2022/070801)
 [87] (WO2023/046335)
 [30] EP (21199120.3) 2021-09-27

[21] 3,229,731
[13] A1

[51] Int.Cl. A61K 31/519 (2006.01) A61P 3/06 (2006.01) A61P 25/18 (2006.01)
 [25] EN
 [54] DOSING REGIMENS ASSOCIATED WITH EXTENDED RELEASE PALIPERIDONE INJECTABLE FORMULATIONS
 [54] SCHEMAS POSOLOGIQUES ASSOCIES A DES FORMULATIONS INJECTABLES DE PALIPERIDONE A LIBERATION PROLONGEE
 [72] GOPAL, SRIHARI, US
 [72] MILZ, RUTH, US
 [72] WANG, STEVEN, US
 [72] NAJARIAN, DEAN, US
 [72] SANGA, PANNA, US
 [72] LOUIE, JOHN, US
 [71] JANSSEN PHARMACEUTICA NV, BE
 [85] 2024-02-20
 [86] 2022-08-15 (PCT/EP2022/072793)
 [87] (WO2023/021008)
 [30] US (63/235,331) 2021-08-20

[21] 3,229,735
[13] A1

[51] Int.Cl. A61K 31/4545 (2006.01) A61K 31/444 (2006.01) A61K 31/496 (2006.01) A61K 31/501 (2006.01) A61P 11/00 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)
 [25] EN
 [54] TRPC6 INHIBITORY COMPOUNDS FOR TREATING SEPSIS
 [54] COMPOSES INHIBITEURS DE TRPC6 POUR LE TRAITEMENT DE LA SEPSIS
 [72] BOUYSSOU, THIERRY, DE
 [72] NICKLIN, PAUL, DE
 [71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
 [85] 2024-02-20
 [86] 2022-10-14 (PCT/EP2022/078609)
 [87] (WO2023/062177)
 [30] EP (21202812.0) 2021-10-15

[21] 3,229,737
[13] A1

[51] Int.Cl. C07K 16/26 (2006.01) A61P 25/06 (2006.01)
 [25] EN
 [54] ANTI-CGRP ANTIBODY DOSING AND SCREENING METHODS
 [54] PROCEDES DE DOSAGE ET DE CRIBLAGE D'ANTICORPS ANTI-CGRP
 [72] CADY, ROGER K., DK
 [72] ANDERSON, CARLTON, DK
 [72] BRUNNER, ELIZABETH, DK
 [72] HIRMAN, JOSEPH, DK
 [71] H. LUNDBECK A/S, DK
 [85] 2024-02-22
 [86] 2022-09-15 (PCT/IB2022/058723)
 [87] (WO2023/042123)
 [30] US (63/244,466) 2021-09-15

[21] 3,229,734
[13] A1

[51] Int.Cl. F24F 3/14 (2006.01) F24F 3/153 (2006.01)
 [25] EN
 [54] GAS SORPTION SYSTEM
 [54] SYSTEME DE SORPTION DE GAZ
 [72] ARNELL, ROBERT, SE
 [71] MUNTERS EUROPE AKTIEBOLAG, SE
 [85] 2024-02-20
 [86] 2022-06-23 (PCT/EP2022/067264)
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 [30] SE (2151014-4) 2021-08-23

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[13] A1

[51] Int.Cl. F04D 13/06 (2006.01) F04D 15/00 (2006.01) H02P 21/06 (2016.01)
[25] EN
[54] METHOD FOR DETECTING A FAULT, IN PARTICULAR AN IMPELLER BLOCKAGE, IN A CENTRIFUGAL PUMP, AND CENTRIFUGAL PUMP
[54] PROCEDE DE DETECTION D'ANOMALIES, EN PARTICULIER D'UNE OBSTRUCTION DE ROTOR, DANS UNE POMPE CENTRIFUGE, ET POMPE CENTRIFUGE
[72] BECKER, VINCENT, DE
[72] ECKL, MARTIN, DE
[72] MULLER, BENEDIKT, DE
[72] URSCHEL, SVEN, DE
[72] SCHaab, JOCHEN, DE
[71] KSB SE & CO. KGAA, DE
[85] 2024-02-20
[86] 2022-08-15 (PCT/EP2022/072770)
[87] (WO2023/020998)
[30] DE (10 2021 121 672.9) 2021-08-20

[21] 3,229,739
[13] A1

[51] Int.Cl. A61K 35/741 (2015.01) A61K 35/747 (2015.01) A61K 8/46 (2006.01) A61P 31/10 (2006.01)
[25] EN
[54] PROBIOTIC BACTERIA COMPOSITION FOR INHIBITING FUNGAL PROLIFERATION
[54] COMPOSITION DE BACTERIES PROBIOTIQUES POUR INHIBER LA PROLIFERATION FONGIQUE
[72] TESDORPF, JENS EDWARD, DK
[72] KJÆRULFF, SOREN, DK
[72] ELVEBAKKEN, HELENA FALHOLT, DK
[72] VEDEL, CHARLOTTE, DK
[71] LACTOBIO A/S, DK
[85] 2024-02-22
[86] 2022-08-25 (PCT/EP2022/073726)
[87] (WO2023/025911)
[30] DK (PA202100835) 2021-08-25
[30] DK (PA202200503) 2022-05-31

[21] 3,229,741
[13] A1

[51] Int.Cl. G16H 20/60 (2018.01) G16H 50/30 (2018.01) G16H 70/60 (2018.01) G06F 16/9535 (2019.01)
[25] EN
[54] DIGITAL AND PERSONALIZED RISK MONITORING AND NUTRITION PLANNING SYSTEM FOR PRE-DIABETES
[54] SYSTEME DE SURVEILLANCE DE RISQUE ET DE PLANIFICATION DE NUTRITION NUMERIQUE ET PERSONNALISE POUR LE PREDIABETE
[72] DARIMONT-NICOLAU, CHRISTIAN, CH
[72] CAMPOS, VANESSA CAROLINE, CH
[72] SCUCCIMARRA, ERIC ANTOINE, CH
[72] DUDAN, FLORENT, CH
[72] PROZOROVSCAIa, DANIELA, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-02-22
[86] 2022-09-21 (PCT/EP2022/076163)
[87] (WO2023/046718)
[30] US (63/246,394) 2021-09-21

[21] 3,229,742
[13] A1

[51] Int.Cl. B65G 1/04 (2006.01) B65G 1/06 (2006.01)
[25] EN
[54] DETERMINING A KINEMATIC STATE OF A LOAD HANDLING DEVICE IN A STORAGE SYSTEM
[54] DETERMINATION D'UN ETAT CINEMATIQUE D'UN DISPOSITIF DE MANIPULATION DE CHARGE DANS UN SYSTEME DE STOCKAGE
[72] DIMITROPOULOS, CHRYSANTHOS, GB
[72] TRIPODI, ERNESTO, GB
[72] RAIMONDI COMINESI, STEFANO, GB
[72] BRUEN, THOMAS, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2024-02-20
[86] 2022-08-19 (PCT/GR2022/000043)
[87] (WO2023/021307)
[30] GB (2112007.6) 2021-08-20
[30] GB (2201029.2) 2022-01-27

[21] 3,229,743
[13] A1

[51] Int.Cl. B22F 1/00 (2022.01) B33Y 10/00 (2015.01) B33Y 50/02 (2015.01) B33Y 70/00 (2020.01) B33Y 40/10 (2020.01) B33Y 70/10 (2020.01) B22F 10/28 (2021.01) B22F 10/32 (2021.01) B22F 10/34 (2021.01) B22F 1/12 (2022.01) B22F 1/145 (2022.01) C03B 37/095 (2006.01) C22C 1/04 (2023.01) C22C 1/10 (2023.01) C22C 5/04 (2006.01) C22C 32/00 (2006.01)
[25] EN
[54] ADDITIVE MANUFACTURING OF PLATINUM GROUP METAL OXIDE DISPERSION STRENGTHENED ALLOYS
[54] FABRICATION ADDITIVE D'ALLIAGES RENFORCES PAR DISPERSION D'OXYDE METALLIQUE DU GROUPE DE PLATINE
[72] JAMSHIDI, PARASTOO, GB
[72] ATTALLAH, MOATAZ MOHAMMAD MAHMOUD, GB
[72] CAI, BIAO, GB
[72] CAMPBELL, IAN, GB
[72] DORVLO, SELASSIE, GB
[71] COOKSON PRECIOUS METALS LTD, GB
[85] 2024-02-20
[86] 2022-08-18 (PCT/EP2022/073111)
[87] (WO2023/021152)
[30] GB (2111954.0) 2021-08-20

[21] 3,229,744
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[51] Int.Cl. F16B 13/08 (2006.01)
[25] EN
[54] DYNAMIC ROCKBOLT
[54] BOULON D'ANCRAGE DYNAMIQUE
[72] DODDS, ANTHONY, AU
[71] FCI HOLDINGS DELAWARE, INC., US
[85] 2024-02-22
[86] 2022-08-24 (PCT/IB2022/057912)
[87] (WO2023/026204)
[30] AU (2021221472) 2021-08-24

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 [25] EN
 [54] PROCESS FOR TREATING COFFEE AND CORRECTED COFFEE THEREOF
 [54] PROCEDE DE TRAITEMENT DE CAFE ET CAFE CORRIGE ASSOCIE
 [72] REYNAUD, ERIC, LU
 [72] BAUDOUIN, STANISLAS, FR
 [72] MEURISSE, JACQUES, FR
 [71] WEST INVEST S.A., LU
 [85] 2024-02-20
 [86] 2022-09-29 (PCT/IB2022/059295)
 [87] (WO2023/057862)
 [30] US (63/252,644) 2021-10-06
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- [51] Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01)
 [25] EN
 [54] METHODS OF MAKING CHIMERIC ANTIGEN RECEPTOR-EXPRESSING CELLS
 [54] PROCEDES DE FABRICATION DE CELLULES EXPRIMANT UN RECEPTEUR ANTIGENIQUE CHIMERIQUE
 [72] BARDROFF, MICHAEL, DE
 [72] CEBE, REGIS, CH
 [72] GRANDA, BRIAN WALTER, US
 [72] JAYASHANKAR, SHYAMALI, US
 [72] KOSHY, SANDEEP THARIAN, US
 [72] MILLER, SANDRA, CH
 [72] PRICE, ANDREW PATRICK, US
 [72] RAYO, AMY, US
 [72] SKEGRO, DARKO, CH
 [72] TREANOR, LOUISE MARY, US
 [72] YANG, JENNIFER, US
 [71] NOVARTIS AG, CH
 [85] 2024-02-20
 [86] 2022-08-19 (PCT/IB2022/057799)
 [87] (WO2023/021477)
 [30] US (63/235,634) 2021-08-20
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[13] A1

- [51] Int.Cl. A01G 9/26 (2006.01)
 [25] EN
 [54] FOLDABLE LIGHT FIXTURE
 [54] APPAREIL D'ECLAIRAGE PLIABLE
 [72] O'CONNOR, THOMAS, US
 [72] BURKHART, BRANDON, US
 [71] HGCI, INC., US
 [85] 2024-02-22
 [86] 2022-08-22 (PCT/US2022/075290)
 [87] (WO2023/028458)
 [30] US (63/236,070) 2021-08-23
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[21] **3,229,748**

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- [51] Int.Cl. C07K 16/28 (2006.01)
 [25] EN
 [54] BISPECIFIC ANTIBODY THAT BINDS TO CD116 AND CD131
 [54] ANTICORPS BISPECIFIQUE SE LIANT A CD116 ET CD131
 [72] KATO, AKIFUMI, JP
 [72] NISHIYA, HARUE, JP
 [72] NAKANO, RYOSUKE, JP
 [72] HARUMOTO, TOSHIMASA, JP
 [71] KYOWA KIRIN CO., LTD., JP
 [85] 2024-02-22
 [86] 2022-08-26 (PCT/JP2022/032233)
 [87] (WO2023/027177)
 [30] JP (2021-138181) 2021-08-26
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- [51] Int.Cl. C08G 69/26 (2006.01) C08G 69/42 (2006.01) C08L 77/06 (2006.01)
 [25] EN
 [54] FLAME-PROOF, PARTIALLY AROMATIC POLYAMIDES
 [54] POLYAMIDES PARTIELLEMENT AROMATIQUES IGNIFUGES
 [72] SCHUBERT, CHRISTIAN, CH
 [72] LIGON, SAMUEL CLARK, CH
 [72] HOFFMANN, BOTHO, CH
 [72] GAAN, SABYASACHI, CH
 [72] DRIGO, NIKITA, CH
 [72] NAZIR, MUHAMMAD RASHID, CA
 [71] EMS-CHEMIE AG, CH
 [71] EMPA EIDGENOSSISCHE MATERIALPRUFUNGS-UND FORSCHUNGSSANSTALT, DE
 [85] 2024-02-22
 [86] 2022-08-23 (PCT/EP2022/073369)
 [87] (WO2023/025741)
 [30] CH (CH070213/2021) 2021-08-27
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[13] A1

- [51] Int.Cl. A61K 31/5377 (2006.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)
 [25] EN
 [54] COMBINATION DRUG
 [54] ASSOCIATION MEDICAMENTEUSE
 [72] SONE, MASAYUKI, JP
 [72] MATSUYAMA, HIRONORI, JP
 [72] TAZURU, KEISUKE, JP
 [72] KOGUE, YOSUKE, JP
 [72] AKAMINE, HIROKI, JP
 [72] SUDO, TOSHIKI, JP
 [71] OTSUKA PHARMACEUTICAL CO., LTD., JP
 [85] 2024-02-20
 [86] 2022-08-19 (PCT/JP2022/031444)
 [87] (WO2023/022235)
 [30] JP (2021-135138) 2021-08-20
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- [51] Int.Cl. B01D 69/02 (2006.01) B01D 69/08 (2006.01)
 [25] EN
 [54] MICROPOROUS HOLLOW FIBER MEMBRANE AND GAS-SEPARATION MEMBRANE MODULE INCLUDING THE SAME
 [54] MEMBRANE MICROPORÉE A FIBRES CREUSES ET MODULE DE MEMBRANE DE SEPARATION DE GAZ AVEC CELLE-CI INCORPOREE
 [72] TAKECHI, SHINGO, JP
 [72] KATSUTA, HIROO, JP
 [72] KANO, HIDEKAZU, JP
 [72] FUJITA, MASAKI, JP
 [71] TORAY INDUSTRIES, INC., JP
 [85] 2024-02-20
 [86] 2022-08-23 (PCT/JP2022/031651)
 [87] (WO2023/027052)
 [30] JP (2021-135414) 2021-08-23

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[54] NOYAU DE ROTOR, ROTOR ET MACHINE ELECTRIQUE TOURNANTE
[72] HONMA, REI, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2024-02-22
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[25] EN
[54] METHODS FOR PROCESSING AND ANALYZING EXTRACELLULAR VESICLES
[54] PROCEDES DE TRAITEMENT ET D'ANALYSE DE VESICULES EXTRACELLULAIRES
[72] ZOCCHI, DAVIDE, IT
[72] CRISCUOLI, MATTIA, IT
[72] PASSALACQUA, ILARIA, IT
[71] CAPSUGEL ITALY S.R.L., IT
[71] EXOSOMICS S.P.A., IT
[85] 2024-02-22
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[51] Int.Cl. A23L 5/10 (2016.01) A23L 19/10 (2016.01) A23L 19/12 (2016.01) A23L 19/18 (2016.01)
[25] EN
[54] METHOD FOR CO-FRYING VEGETABLE AND TUBER SUBSTRATES
[54] PROCEDE DE CO-FRITURE DE SUBSTRATS DE LEGUMES ET DE TUBERCULES
[72] BHASKAR, AJAY RAJESHWAR, US
[72] AMOAKO, DERRICK BRIAN, US
[71] FRITO-LAY NORTH AMERICA, INC., US
[85] 2024-02-22
[86] 2022-08-09 (PCT/US2022/039843)
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[25] EN
[54] SULFATE FREE PERSONAL CLEANSING COMPOSITION COMPRISING LOW INORGANIC SALT CONTENT AND HYDROXAMIC ACID OR HYDROXAMIC ACID DERIVATIVES
[54] COMPOSITION DE NETTOYAGE PERSONNEL SANS SULFATE COMPRENANT UNE FAIBLE TENEUR EN SEL INORGANIQUE ET DE L'ACIDE HYDROXAMIQUE OU DES DERIVES D'ACIDE HYDROXAMIQUE
[72] COCHRAN, BROOKE MICHELE, US
[72] JOHNSON, ERIC SCOTT, US
[72] NALLY, KAREN MICHELLE, US
[72] RENOCK, SEAN MICHAEL, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2024-02-20
[86] 2022-10-06 (PCT/US2022/077676)
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[30] US (63/253,370) 2021-10-07
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[51] Int.Cl. A61K 8/20 (2006.01) A61K 8/41 (2006.01) A61K 8/42 (2006.01) A61K 8/44 (2006.01) A61K 8/73 (2006.01) A61Q 5/00 (2006.01) A61Q 5/02 (2006.01) A61Q 5/12 (2006.01)
[25] EN
[54] SULFATE FREE PERSONAL CLEANSING COMPOSITION COMPRISING LOW INORGANIC SALT CONTENT AND HYDROXAMIC ACID OR HYDROXAMIC ACID DERIVATIVES
[54] COMPOSITION DE NETTOYAGE PERSONNEL SANS SULFATE COMPRENANT UNE FAIBLE TENEUR EN SEL INORGANIQUE ET DE L'ACIDE HYDROXAMIQUE OU DES DERIVES D'ACIDE HYDROXAMIQUE
[72] COCHRAN, BROOKE MICHELE, US
[72] JOHNSON, ERIC SCOTT, US
[72] NALLY, KAREN MICHELLE, US
[72] RENOCK, SEAN MICHAEL, US
[71] THE PROCTER & GAMBLE COMPANY, US
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[30] US (63/253,377) 2021-10-07

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[51] Int.Cl. H01L 31/0352 (2006.01) H01L 31/068 (2012.01) H01L 31/20 (2006.01)
[25] EN
[54] METHODS AND SYSTEMS FOR PHOTOVOLTAIC DEVICES USING SILICON PARTICLES
[54] PROCEDES ET SYSTEMES POUR DISPOSITIFS PHOTOVOLTAIQUES UTILISANT DES PARTICULES DE SILICIUM
[72] NEEDLEMAN, DAVID BERNEY, US
[72] ROBINSON, MATTHEW, US
[72] FEHRENBACH, NATHANAEL, US
[72] MEI, JIMMY, US
[72] LEPERT, ARNAUD, US
[71] LEAP PHOTOVOLTAICS INC., US
[85] 2024-02-22
[86] 2022-09-12 (PCT/US2022/043245)
[87] (WO2023/039257)
[30] US (63/242,960) 2021-09-10
[30] US (17/931,462) 2022-09-12

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 - [54] PERTURBED SYMMETRY IN STACKED GRAPHENE TECHNOLOGIES
 - [54] SYMETRIE PERTURBEE DANS DES TECHNOLOGIES DE GRAPHENE EMPILEES
 - [72] MARTIRE, GIANNI, US
 - [71] MARTIRE, GIANNI, US
 - [85] 2024-02-22
 - [86] 2022-08-23 (PCT/US2022/041160)
 - [87] (WO2023/028029)
 - [30] US (63/236,669) 2021-08-24
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- [25] EN
- [54] SILKY-WHITE MULTILAYER COATING
- [54] REVETEMENT MULTICOUCHE BLANC SOYEUX
- [72] CZORNIJ, ZENON PAUL, US
- [72] WEAKS, PHYLLIS A, US
- [72] JOHNSON, DANIEL W, US
- [72] ZHU, ZHONGLIANG, US
- [72] ZHANG, QINGLING, US
- [71] BASF COATINGS GMBH, DE
- [85] 2024-02-22
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- [87] (WO2023/031225)
- [30] EP (21193783.4) 2021-08-30

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 - [25] EN
 - [54] COMBINATION OF RELAXIN AND VASOPRESSIN ANALOGUES FOR TREATMENT OF RENAL DISORDERS OR CONDITIONS
 - [54] COMBINAISON D'ANALOGUES DE RELAXINE ET DE VASOPRESSINE POUR LE TRAITEMENT DE TROUBLES OU D'ETATS RENEAUX
 - [72] MAGNI, GUIDO, CH
 - [71] RIVER 2 RENAL CORP., US
 - [85] 2024-02-22
 - [86] 2022-08-22 (PCT/US2022/041095)
 - [87] (WO2023/028008)
 - [30] US (63/236,090) 2021-08-23
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 - [25] EN
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 - [54] REVETEMENTS D'APPRET SOMBRE A REFLECTIVITE LIDAR ELEVEE
 - [72] KAYARKATTE, MANOJ, IN
 - [72] ZHANG, QINGLING, US
 - [72] MAHAJAN, Hitesh, IN
 - [72] JANA, RAJKUMAR, IN
 - [72] CAMPBELL, DONALD H., US
 - [71] BASF COATINGS GMBH, DE
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 - [86] 2022-08-30 (PCT/EP2022/074116)
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 - [30] IN (202141039183) 2021-08-30
 - [30] EP (22173579.8) 2022-05-16
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 - [25] EN
 - [54] FOOD COMPOSITIONS INCORPORATING AGRICULTURAL MARC, AND METHODS OF PRODUCING THEREOF
 - [54] COMPOSITIONS ALIMENTAIRES COMPRENANT DU MARC AGRICOLE, ET PROCEDES DE PRODUCTION ASSOCIES
 - [72] ARVIK, TOREY, US
 - [72] JEROME, RALPH, US
 - [71] SONOMACEUTICALS, LLC, US
 - [85] 2024-02-20
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 - [87] (WO2022/082064)
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 - [54] TENSIONABLE INTERCONNECTED ANCHORS WITH DOUBLE PUNCH INSERTER
 - [54] ANCRAGES INTERCONNECTES POUVANT ETRE MIS SOUS TENSION AVEC DISPOSITIF D'INSERTION A DOUBLE POINCON
 - [72] ZAJAC, ERIC, US
 - [72] PETRY, ANDY, US
 - [72] SULLIVAN, DEREK, US
 - [71] ARTHREX, INC., US
 - [85] 2024-02-22
 - [86] 2022-07-21 (PCT/US2022/037865)
 - [87] (WO2023/027839)
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- [25] EN
- [54] LACTOFERRIN COMPOSITIONS AND METHODS OF USE
- [54] COMPOSITIONS DE LACTOFERRINE ET PROCEDES D'UTILISATION
- [72] HLUBB, CHRISTOPHER, US
- [72] SNEDEKER, JONATHAN, US
- [71] LACTEA THERAPEUTICS LLC, US
- [85] 2024-02-22
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- [25] EN
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- [54] COMPOSITIONS DE LACTOFERRINE ET PROCEDES D'UTILISATION
- [72] HLUBB, CHRISTOPHER, US
- [72] SNEDEKER, JONATHAN, US
- [71] LACTEA THERAPEUTICS LLC, US
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- [25] EN
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- [54] RECEPTEURS ANTIGENIQUES CHIMERIQUES CENTRES SUR DES PEPTIDES DIRIGES CONTRE DES PEPTIDES AUTO-ASSEMBLES DU CANCER
- [72] BEASLEY, MATTHEW, AU
- [72] KIEFEL, BEN, AU
- [72] MARIS, JOHN, US
- [72] YARMAKOVICH, MARK, US
- [72] GRACEY, FIONA, AU
- [72] SGOURAKIS, NICKOLAOS, US
- [72] WARRINGTON, JOHN, US
- [72] MARSHALL, QUINLEN, US
- [71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
- [71] MYRIO THERAPEUTICS PTY LTD, AU
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- [25] EN
- [54] HERBICIDAL MALONAMIDES CONTAINING MONOCYCLIC HETEROAROMATIC RINGS
- [54] MALONAMIDES HERBICIDES CONTENANT DES CYCLES HETEROAROMATIQUES MONOCYCLIQUES
- [72] HEINRICH, MARC, DE
- [72] KORDES, MARKUS, DE
- [72] SEISER, TOBIAS, DE
- [72] ZIMMERMANN, GUNTHER, DE
- [72] NEWTON, TREVOR WILLIAM, DE
- [72] KRAEMER, GERD, DE
- [71] BASF SE, DE
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- [51] Int.Cl. F03D 7/02 (2006.01) F03D 80/50 (2016.01)
- [25] EN
- [54] METHOD OF PERFORMING SERVICE WORK ON A HORIZONTAL AXIS WIND TURBINE
- [54] PROCEDE DE REALISATION D'UN TRAVAIL DE MAINTENANCE SUR UNE EOLIENNE A AXE HORIZONTAL
- [72] FENGER, PER ESKE, DK
- [71] LIFTRA IP APS, DK
- [85] 2024-02-22
- [86] 2022-09-28 (PCT/EP2022/076939)
- [87] (WO2023/057274)
- [30] EP (21201395.7) 2021-10-07

[21] 3,229,793
[13] A1

- [51] Int.Cl. B22D 41/56 (2006.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR POROUS PLUG REMOVAL AND INSTALLATION
- [54] SYSTEME ET PROCEDE DE RETRAIT ET D'INSTALLATION DE BOUCHON POREUX
- [72] BURGESS, TIMOTHY, US
- [72] KENDALL, WILLIAM G., US
- [72] O'CONNELL, CASSIDY, US
- [72] FERGUSON, DALE, US
- [72] KEMPER, JEFF, US
- [72] JANSE VAN RENSBURG, JACOBUS, ZA
- [71] J.H. FLETCHER & CO., US
- [85] 2024-02-22
- [86] 2022-08-26 (PCT/US2022/041617)
- [87] (WO2023/028283)
- [30] US (63/237,684) 2021-08-27

[21] 3,229,794
[13] A1

- [51] Int.Cl. A61L 27/36 (2006.01)
- [25] EN
- [54] DIVERSIFIED GRAFTS HAVING HETEROGENOUS FEATURES AND METHODS FOR MAKING AND USING SAME
- [54] GREFFONS DIVERSIFIES AYANT DES CARACTERISTIQUES HETEROGENES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION
- [72] LONG, MARC, US
- [72] CHNARI, EVANGELIA, US
- [72] CARTMELL, JEFFREY, US
- [71] MUSCULOSKELETAL TRANSPLANT FOUNDATION, US
- [85] 2024-02-22
- [86] 2022-08-23 (PCT/US2022/041166)
- [87] (WO2023/028030)
- [30] US (63/236,956) 2021-08-25

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[21] 3,229,795
[13] A1

[51] Int.Cl. C12P 7/625 (2022.01)
[25] EN
[54] METHOD FOR RECOVERING PHAS FROM A BIOMASS
[54] PROCEDE DE RECUPERATION DE PHA A PARTIR D'UNE BIOMASSE
[72] LEGGETT, CAROL G., US
[72] VAN TRUMP, PHILLIP, US
[72] LEGGETT, THOMAS K. III, US
[71] DANIMER IPCO, LLC, US
[85] 2024-02-22
[86] 2022-08-19 (PCT/US2022/040857)
[87] (WO2023/027953)
[30] US (63/235,853) 2021-08-23

[21] 3,229,797
[13] A1

[25] EN
[54] INCREASED FEEDER LINK CAPACITY FOR GEOSYNCHRONOUS SATELLITE COMMUNICATIONS
[54] CAPACITE DE LIAISON DE CONNEXION AUGMENTEE POUR DES COMMUNICATIONS PAR SATELLITE GEOSYNCHRONE
[72] SCOTT, MICHAEL, US
[72] LUNDSTEDT, JACK, US
[72] KEPLEY, ROBERT, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2024-02-22
[86] 2022-09-07 (PCT/US2022/076001)
[87] (WO2023/039385)
[30] US (63/242,450) 2021-09-09
[30] US (17/562,559) 2021-12-27

[21] 3,229,798
[13] A1

[51] Int.Cl. E21C 35/24 (2006.01) B60W 60/00 (2020.01) E21C 41/16 (2006.01) E21C 41/26 (2006.01)
[25] EN
[54] MATERIAL CATEGORISATION AND TRANSPORTATION SYSTEMS AND METHODS
[54] PROCEDES ET SYSTEMES DE CATEGORISATION ET DE TRANSPORT DE MATERIAUX
[72] OPPOLZER, FLORIAN ANDREAS, AU
[72] MAH, PETER SIEW HUN, AU
[71] TECHNOLOGICAL RESOURCES PTY LTD, AU
[85] 2024-02-21
[86] 2022-08-25 (PCT/AU2022/051010)
[87] (WO2023/023783)
[30] AU (2021221760) 2021-08-25
[30] AU (2021221812) 2021-08-25
[30] AU (2021221826) 2021-08-25
[30] AU (2021221840) 2021-08-25

[21] 3,229,799
[13] A1

[51] Int.Cl. G05B 17/02 (2006.01)
[25] EN
[54] CONTROL SYSTEMS, APPARATUS AND TECHNIQUES UTILIZING GRAPH SYSTEMS
[54] SYSTEMES DE COMMANDE, APPAREIL ET TECHNIQUES A L'AIDE DE SYSTEMES DE GRAPHE
[72] BAKSHI, AKHILESH, US
[72] MEEHAN, TIMOTHY E., US
[72] SILVA-MONROY, CESAR A., US
[71] ENEL X S.R.L., IT
[85] 2024-02-22
[86] 2022-08-26 (PCT/IB2022/058023)
[87] (WO2023/026254)
[30] US (63/238,095) 2021-08-27

[21] 3,229,800
[13] A1

[51] Int.Cl. C07D 401/14 (2006.01) C07D 471/04 (2006.01) C07D 491/04 (2006.01)
[25] EN
[54] NITROGEN-CONTAINING HETEROACYCLIC DERIVATIVE INHIBITOR, AND PREPARATION METHOD THEREFOR AND USE THEREOF
[54] INHIBITEUR DE DERIVE HETEROACYCLIQUE CONTENANT DE L'AZOTE, SON PROCEDE DE PREPARATION ET SON UTILISATION
[72] GAO, PENG, CN
[72] XIU, WENHUA, CN
[72] SUN, GUANGJUN, CN
[72] CHENG, FENGCHANG, CN
[72] YU, WENSHENG, CN
[71] SHANGHAI HANSOH BIOMEDICAL CO., LTD., CN
[71] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2024-02-22
[86] 2022-08-29 (PCT/CN2022/115479)
[87] (WO2023/025320)
[30] CN (202110995982.2) 2021-08-27
[30] CN (202111334040.6) 2021-11-11
[30] CN (202111663528.3) 2021-12-31

[21] 3,229,803
[13] A1

[51] Int.Cl. A61B 5/1473 (2006.01)
[25] EN
[54] MEDIATION OF IN VIVO ANALYTE SIGNAL DEGRADATION
[54] MEDIATION DE DEGRADATION DE SIGNAL D'ANALYTE IN VIVO
[72] CHATTERJEE, JOON, US
[72] MOHANTY, SANAT, US
[72] HUFFSTETLER, PHILIP, US
[72] VELVADAPU, VENKATA, US
[72] TORRES JR, LEOPOLDO, US
[71] SENSEONICS, INCORPORATED, US
[85] 2024-02-22
[86] 2022-08-26 (PCT/US2022/075489)
[87] (WO2023/028572)
[30] US (63/237,396) 2021-08-26

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[21] 3,229,804
[13] A1

- [51] Int.Cl. C07K 14/33 (2006.01) C12P 7/06 (2006.01) C12P 7/26 (2006.01)
- [25] EN
- [54] INCREASING GROWTH OF A CO₂ FIXING THERMOPHILE BACTERIUM
- [54] AUGMENTATION DE LA CROISSANCE D'UNE BACTERIE THERMOPHILE FIXANT LE CO₂
- [72] NIELSEN, ALEX TOFTGAARD, DK
- [72] JENSEN, TORBJORN OLSHOJ, DK
- [72] AXELSEN, AMALIE MELTON, DK
- [72] REDL, STEPHANIE, DK
- [72] BRONDUM, SEBASTIAN SVEN, DK
- [71] DANMARKS TEKNISKE UNIVERSITET, DK
- [85] 2024-02-22
- [86] 2022-09-07 (PCT/EP2022/074870)
- [87] (WO2023/036823)
- [30] EP (21195239.5) 2021-09-07

[21] 3,229,807
[13] A1

- [51] Int.Cl. E03D 9/10 (2006.01) E03D 11/11 (2006.01)
- [25] EN
- [54] TOILET APPARATUS
- [54] APPAREIL DE TOILETTES
- [72] MATSUMOTO, HITOMI, JP
- [72] WATANABE, HIROAKI, JP
- [72] MAKI, MICHITAROU, JP
- [72] KUSUME, MASASHI, JP
- [71] AS AMERICA, INC., US
- [85] 2024-02-22
- [86] 2022-06-23 (PCT/JP2022/025187)
- [87] (WO2023/037700)
- [30] JP (2021-146019) 2021-09-08
- [30] JP (2022-045678) 2022-03-22

[21] 3,229,809
[13] A1

- [25] EN
- [54] PANEL, IN PARTICULAR FLOOR PANEL, HAVING SEALING FUNCTION, AND PANEL SYSTEM
- [54] PANNEAU, EN PARTICULIER PANNEAU DE PLANCHER, AYANT UNE FONCTION D'ETANCHEITE ET SYSTEME DE PANNEAUX
- [72] REITER, BRUNO, AT
- [72] HOLZ, TOBIAS, DE
- [71] FRITZ EGGER GMBH & CO. OG, AT
- [85] 2024-02-22
- [86] 2022-08-18 (PCT/EP2022/073047)
- [87] (WO2023/025645)
- [30] EP (21192565.6) 2021-08-23

[21] 3,229,810
[13] A1

- [25] EN
- [54] PLASMA COLLECTION BASED ON DONOR EXTRACELLULAR FLUID
- [54] COLLECTE DE PLASMA BASEE SUR FLUIDE EXTRACELLULAIRE DE DONNEUR
- [72] PATEL, AMIT J., US
- [72] PLANAS, SAMANTHA M., US
- [72] WATTS, WALTER T., US
- [72] MIN, KYUNGYOON, US
- [72] BOGGS, DANIEL R., US
- [72] GNIADEK, THOMAS J., US
- [71] FENWAL, INC., US
- [85] 2024-02-22
- [86] 2022-05-03 (PCT/US2022/027484)
- [87] (WO2023/027780)
- [30] US (63/236,743) 2021-08-25
- [30] US (63/256,762) 2021-10-18
- [30] US (63/244,321) 2021-09-15

[21] 3,229,813
[13] A1

- [51] Int.Cl. C08K 3/04 (2006.01) C08L 23/12 (2006.01)
- [25] EN
- [54] HIGH STRUCTURE CARBON BLACK AND PLASTIC COMPOSITIONS COMPRISING THE SAME
- [54] NOIR DE CARBONE HAUTEMENT STRUCTURE ET COMPOSITIONS PLASTIQUES LE COMPRENANT
- [72] LI, ZHENPENG, US
- [72] HU, ZHAOKANG, US
- [72] COMBS, ZACHARY A., US
- [72] TIAN, JUN, US
- [72] LAI, ZHEN, US
- [71] BIRLA CARBON U.S.A., INC., US
- [85] 2024-02-22
- [86] 2022-08-23 (PCT/US2022/041217)
- [87] (WO2023/028053)
- [30] US (63/236,153) 2021-08-23

[21] 3,229,815
[13] A1

- [25] EN
- [54] INTRAORAL PHOTOTHERAPY DEVICE
- [54] DISPOSITIF DE PHOTOTHERAPIE INTRA-ORALE
- [72] KOTHARI, VEDANG, US
- [72] OJA, JORDAN, US
- [72] LAZZARA, JASON, US
- [72] SHELNUTT, SAMUEL, US
- [71] MUREVA PHOTOTHERAPY INC., US
- [85] 2024-02-22
- [86] 2022-09-09 (PCT/US2022/076153)
- [87] (WO2023/039499)
- [30] US (63/242,166) 2021-09-09

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[21] **3,229,824**

[13] A1

[51] Int.Cl. C07K 16/28 (2006.01)

[25] EN

[54] **METHODS OF TREATING
CANCERS ASSOCIATED WITH
IMMUNOSUPPRESSIVE B CELLS**
[54] **METHODES DE TRAITEMENT DE
CANCERS ASSOCIES A DES
LYMPHOCYTES B
IMMUNOSUPPRESSEURS**

[72] PRESTA, LEONARD, US

[72] TUMEH, PAUL, US

[72] LONBERG, NILS, US

[72] DURAMAD, OMAR, US

[71] BIOGRAPH 55, INC., US

[85] 2024-02-22

[86] 2022-08-24 (PCT/US2022/041395)

[87] (WO2023/028159)

[30] US (63/236,953) 2021-08-25

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[21] 3,229,116	[13] A1
[51] Int.Cl. C07D 207/48 (2006.01) C07D 207/333 (2006.01)	
[25] EN	
[54] METHOD FOR PRODUCING PYRROLE COMPOUND	
[54] PROCEDE DE PRODUCTION D'UN COMPOSE PYRROLE	
[72] OUCHI, TAKASHI, JP	
[72] GOH, GIHO, KR	
[72] KIM, SUNMI, KR	
[72] CHOI, JINSOON, KR	
[72] PARK, HUNSOO, KR	
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP	
[22] 2016-06-29	
[41] 2017-01-05	
[62] 2,991,115	
[30] JP (2015-131610) 2015-06-30	

[21] 3,229,217	[13] A1
[25] EN	
[54] SYSTEMS AND METHODS FOR PROVIDING TARGETED ADVERTISEMENTS TO A CHARGING STATION FOR ELECTRIC VEHICLES	
[54] SYSTEMES ET PROCEDES DE FOURNITURE DE PUBLICITES CIBLEES A UNE STATION DE CHARGEMENT POUR VEHICULES ELECTRIQUES	
[72] MERCER, SCOTT, US	
[72] MENENDEZ, MICHAEL, US	
[71] VOLTA CHARGING, LLC, US	
[22] 2015-07-10	
[41] 2016-01-14	
[62] 2,954,525	
[30] US (62/022,910) 2014-07-10	

[21] 3,229,263	[13] A1
[25] EN	
[54] METHOD AND DEVICE FOR ANALYZING TARGET ANALYTE IN SAMPLE	
[54] PROCEDE ET DISPOSITIF D'ANALYSE D'ANALYTE CIBLE DANS UN ECHANTILLON	
[72] KIM, YOUNG WOOK, KR	
[72] PARK, YOUNG YONG, KR	
[72] KO, SUNG MOON, KR	
[72] LEE, YOUNG JO, KR	
[72] LEE, HAN BIT, KR	
[71] SEEGENE, INC., KR	
[22] 2018-09-28	
[41] 2019-04-04	
[62] 3,077,137	
[30] KR (10-2017-0125908) 2017-09-28	
[30] KR (10-2017-0136772) 2017-10-20	
[30] KR (10-2017-0143792) 2017-10-31	
[30] KR (10-2017-0184510) 2017-12-29	

[21] 3,229,122	[13] A1
[25] EN	
[54] METHODS AND SYSTEMS OF VIBRATING A SCREEN	
[54] PROCEDES ET SYSTEMES POUR FAIRE VIBRER UN ECRAN	
[72] KOMARNYCKY, OLIVER NICHOLAS, CA	
[72] HERATI, HAMED, CA	
[72] TREMBLAY, DENIS GILLES, CA	
[71] IMAX THEATRES INTERNATIONAL LIMITED, IE	
[22] 2014-05-09	
[41] 2014-11-13	
[62] 2,909,452	
[30] US (61/821,311) 2013-05-09	

[21] 3,229,232	[13] A1
[25] EN	
[54] APPARATUS FOR SECURE LOCAL ACCESS TO AN ASSET AND VALIDATION WITH A MOBILE DEVICE THROUGH DOUBLE PROXIMITY DETECTION	
[54] APPAREIL D'ACCES LOCAL SECURISE A UN BIEN ET VALIDATION AU MOYEN D'UN DISPOSITIF MOBILE PAR DETECTEUR DE PROXIMITE DOUBLE	
[72] AMARAL COSTA, ANDRE, PT	
[72] GUERRA LOPES AMADOR, ANTONIO FERNANDO, PT	
[72] MAXIMIANO RELVAS DO NASCIMENTO, MANUEL, PT	
[72] DE SOUSA SANTOS DE OLIVEIRA RODRIGUES, MARIO MIGUEL, PT	
[71] ATOBE - MOBILITY TECHNOLOGY, S.A., PT	
[22] 2018-11-28	
[41] 2019-06-06	
[62] 3,082,960	
[30] PT (110432) 2017-11-30	

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<p style="text-align: right;">[21] 3,229,266 [13] A1</p> <p>[25] EN [54] PESTICIDAL TOXIN PROTEINS ACTIVE AGAINST LEPIDOPTERAN INSECTS [54] PROTEINES DE TOXINES PESTICIDES ACTIVES CONTRE LES LEPIDOPTERES [72] BAUM, JAMES A., US [72] BOWEN, DAVID J., US [72] CHAY, CATHERINE A., US [72] CHI, DAVID J., US [72] CLINTON, WILLIAM P., US [72] DART, CRYSTAL L., US [72] ENGLISH, LEIGH, US [72] FLASINSKI, STANISLAW, US [72] GUZOV, VICTOR M., US [72] JARRELL, KEVIN A., US [72] KESANAPALLI, UMA R., US [72] MALVAR, THOMAS M., US [72] MCCARROLL, ROBERT M., US [72] MILLIGAN, JASON S., US [72] MORGENSTERN, JAY P., US [72] RUCKER, DEBORAH G., US [72] SALVADOR, SARA A., US [72] SMITH, TEMPLE F., US [72] SOTO, CARLOS E., US [72] STULTZ, COLLIN M., US [72] TURCZYK, BRIAN M., US [72] VAUGHN, TY T., US [72] VON RECHENBERG, MORITZ W. F., US [71] MONSANTO TECHNOLOGY LLC, US [22] 2018-01-11 [41] 2018-07-19 [62] 3,049,658 [30] US (62/445,313) 2017-01-12</p>	<p style="text-align: right;">[21] 3,229,270 [13] A1</p> <p>[25] EN [54] RNAI AGENTS FOR HEPATITIS B VIRUS INFECTION [54] AGENT ARNI CONTRE L'INFECTION PAR LE VIRUS DE L'HEPATITE B [72] LI, ZHEN, US [72] ZHU, RUI, US [72] WOODDELL, CHRISTINE I., US [72] GIVEN, BRUCE D., US [72] PEI, TAO, US [72] LEWIS, DAVID L., US [72] ALMEIDA, LAUREN J., US [72] ROZEMA, DAVID B., US [72] WAKEFIELD, DARREN H., US [71] ARROWHEAD PHARMACEUTICALS, INC., US [22] 2017-08-04 [41] 2018-02-08 [62] 3,032,945 [30] US (62/370,754) 2016-08-04 [30] US (62/534,733) 2017-07-20 [30] US (62/540,639) 2017-08-03</p>	<p style="text-align: right;">[21] 3,229,282 [13] A1</p> <p>[25] EN [54] SECURE REAL-TIME PAYMENT TRANSACTIONS [54] TRANSACTIONS DE PAIEMENT EN TEMPS REEL, SECURISEES [72] FINCH, PAUL, US [72] ALEXANDER, LOU ANNE, US [71] EARLY WARNING SERVICES, LLC, US [22] 2016-04-05 [41] 2017-01-26 [62] 2,992,421 [30] US (14/805,214) 2015-07-21</p>
<p>[21] 3,229,291 [13] A1</p> <p>[51] Int.Cl. C08J 11/16 (2006.01) [25] EN [54] CATALYTIC DEPOLYMERISATION OF POLYMERIC MATERIALS [54] DEPOLYMERISATION CATALYTIQUE DE MATIERES POLYMERES [72] KUMAR, ANIL, IN [72] KUMAR, PUSHKAR, CA [71] GREENMANTRA RECYCLING TECHNOLOGIES LTD., CA [22] 2013-01-17 [41] 2014-07-24 [62] 3,129,563</p>		

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demandes mises à la disponibilité du public non disponibles auparavant**

<p style="text-align: right;">[21] 3,229,301 [13] A1</p> <p>[51] Int.Cl. C12N 5/074 (2010.01) A01N 1/02 (2006.01) A61K 35/39 (2015.01) A61P 3/10 (2006.01)</p> <p>[25] EN</p> <p>[54] ENCAPSULATION OF PANCREATIC CELLS DERIVED FROM HUMAN PLURIPOTENT STEM CELLS</p> <p>[54] ENCAPSULATION DE CELLULES PANCREATIQUES DERIVEES DE CELLULES SOUCHEES PLURIPOTENTES HUMAINES</p> <p>[72] MARTINSON, LAURA, US</p> <p>[72] GREEN, CHAD, US</p> <p>[72] KROON, EVERET, US</p> <p>[72] AGULNICK, ALAN, US</p> <p>[72] KELLY, OLIVIA, US</p> <p>[72] D'AMOUR, KEVIN, US</p> <p>[72] BAETGE, EMMANUEL E., US</p> <p>[71] VIACYTE, INC., US</p> <p>[22] 2009-11-13</p> <p>[41] 2010-05-20</p> <p>[62] 2,743,641</p> <p>[30] US (61/114,857) 2008-11-14</p> <p>[30] US (61/121,086) 2008-12-09</p>	<p style="text-align: right;">[21] 3,229,405 [13] A1</p> <p>[25] EN</p> <p>[54] AUTOMATIC REPAIR OF COMPUTING DEVICES IN A DATA CENTER</p> <p>[54] REPARATION AUTOMATIQUE DE DISPOSITIFS INFORMATIQUES DANS UN CENTRE DE DONNEES</p> <p>[72] FERREIRA, IAN, US</p> <p>[72] BALAKRISHNAN, GANESH, US</p> <p>[72] ADAMS, EVAN, US</p> <p>[72] CORTEZ, CARLA, US</p> <p>[72] HULLANDER, ERIC, US</p> <p>[71] CORE SCIENTIFIC, INC., US</p> <p>[22] 2020-07-22</p> <p>[41] 2021-01-28</p> <p>[62] 3,133,672</p> <p>[30] US (62/877,714) 2019-07-23</p> <p>[30] US (16/776,213) 2020-01-29</p> <p>[30] US (16/879,157) 2020-05-20</p>	<p style="text-align: right;">[21] 3,229,416 [13] A1</p> <p>[25] EN</p> <p>[54] AUTOMATED CONTROL OF IMAGE ACQUISITION VIA USE OF ACQUISITION DEVICE SENSORS</p> <p>[54] COMMANDE AUTOMATISEE D'ACQUISITION D'IMAGES RECOURLANT A DES CAPTEURS DE DISPOSITIF D'ACQUISITION</p> <p>[72] DAWSON, MITCHELL DAVID, US</p> <p>[72] GUAN, LI, US</p> <p>[72] OTWELL, ANDREW H., US</p> <p>[72] HSIAO, DUN-YU, US</p> <p>[71] MFTB HOLDCO, INC., US</p> <p>[22] 2019-10-09</p> <p>[41] 2020-04-16</p> <p>[62] 3,113,355</p> <p>[30] US (62/744,480) 2018-10-11</p> <p>[30] US (16/236,187) 2018-12-28</p>
<p style="text-align: right;">[21] 3,229,313 [13] A1</p> <p>[25] EN</p> <p>[54] ADVERTISING AND CONTENT DISTRIBUTION IN A MULTI-CHANNEL SIGNAL TRANSMISSION MANAGEMENT SYSTEM</p> <p>[54] PUBLICITE ET DISTRIBUTION DE CONTENU DANS UN SYSTEME DE GESTION DE TRANSMISSION DE SIGNAUX A CANAUX MULTIPLES</p> <p>[72] NAMVAR, KIANOUSH, SE</p> <p>[71] NAMVAR, KIANOUSH, SE</p> <p>[22] 2004-02-18</p> <p>[41] 2004-09-02</p> <p>[62] 2,531,550</p> <p>[30] SE (0300435-5) 2003-02-18</p>	<p style="text-align: right;">[21] 3,229,409 [13] A1</p> <p>[25] EN</p> <p>[54] AUTOMATED CONTROL OF IMAGE ACQUISITION VIA USE OF ACQUISITION DEVICE SENSORS</p> <p>[54] COMMANDE AUTOMATISEE D'ACQUISITION D'IMAGES RECOURLANT A DES CAPTEURS DE DISPOSITIF D'ACQUISITION</p> <p>[72] DAWSON, MITCHELL DAVID, US</p> <p>[72] GUAN, LI, US</p> <p>[72] OTWELL, ANDREW H., US</p> <p>[72] HSIAO, DUN-YU, US</p> <p>[71] MFTB HOLDCO, INC., US</p> <p>[22] 2019-10-09</p> <p>[41] 2020-04-16</p> <p>[62] 3,113,355</p> <p>[30] US (62/744,480) 2018-10-11</p> <p>[30] US (16/236,187) 2018-12-28</p>	<p style="text-align: right;">[21] 3,229,420 [13] A1</p> <p>[25] EN</p> <p>[54] AUTOMATED CONTROL OF IMAGE ACQUISITION VIA USE OF ACQUISITION DEVICE SENSORS</p> <p>[54] COMMANDE AUTOMATISEE D'ACQUISITION D'IMAGES RECOURLANT A DES CAPTEURS DE DISPOSITIF D'ACQUISITION</p> <p>[72] DAWSON, MITCHELL DAVID, US</p> <p>[72] GUAN, LI, US</p> <p>[72] OTWELL, ANDREW H., US</p> <p>[72] HSIAO, DUN-YU, US</p> <p>[71] MFTB HOLDCO, INC., US</p> <p>[22] 2019-10-09</p> <p>[41] 2020-04-16</p> <p>[62] 3,113,355</p> <p>[30] US (62/744,480) 2018-10-11</p> <p>[30] US (16/236,187) 2018-12-28</p>
		<p style="text-align: right;">[21] 3,229,426 [13] A1</p> <p>[25] EN</p> <p>[54] MULTI CHILD STROLLER</p> <p>[54] POUSSETTE POUR PLUSIEURS ENFANTS</p> <p>[72] TAYLOR, ANDREW J., US</p> <p>[72] HAUT, ROBERT E., US</p> <p>[71] WONDERLAND SWITZERLAND AG, CH</p> <p>[22] 2020-05-07</p> <p>[41] 2020-11-07</p> <p>[62] 3,080,379</p> <p>[30] US (62/844333) 2019-05-07</p> <p>[30] US (62/884375) 2019-08-08</p>

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

<p>[21] 3,229,435 [13] A1</p> <p>[25] EN</p> <p>[54] IMAGE DECODING METHOD AND DEVICE AND IMAGE ENCODING METHOD AND DEVICE IN IMAGE CODING SYSTEM</p> <p>[54] METHODE ET DISPOSITIF DE DECODAGE D'IMAGE ET METHODE ET DISPOSITIF DE CODAGE D'IMAGE DANS UN SYSTEME DE CODAGE D'IMAGE</p> <p>[72] CHOI, JANGWON, KR</p> <p>[72] HEO, JIN, KR</p> <p>[72] KIM, SEUNGHWAN, KR</p> <p>[72] LIM, JAEHYUN, KR</p> <p>[72] LI, LING, KR</p> <p>[71] LG ELECTRONICS INC., KR</p> <p>[22] 2020-03-18</p> <p>[41] 2020-10-01</p> <p>[62] 3,134,688</p> <p>[30] US (62/822,735) 2019-03-22</p>

<p>[21] 3,229,474 [13] A1</p> <p>[25] EN</p> <p>[54] 360 DEGREE LID</p> <p>[54] COUVERCLE 360 DEGRES</p> <p>[72] FENGKE, TIAN, CN</p> <p>[71] SCRIBE OPCO, INC., DBA BIC GRAPHIC, US</p> <p>[22] 2020-09-24</p> <p>[41] 2021-03-24</p> <p>[62] 3,094,224</p> <p>[30] US (62/904,818) 2019-09-24</p>

<p>[21] 3,229,492 [13] A1</p> <p>[25] EN</p> <p>[54] APPARATUSES AND METHODS FOR PREPARING A COMESTIBLE MEAT PRODUCT</p> <p>[54] APPAREILS ET METHODES DE PREPARATION D'UN PRODUIT DE VIANDE COMESTIBLE</p> <p>[72] LEUNG, MATTHEW, US</p> <p>[72] GODBOLE, ASHA, US</p> <p>[72] ENGELMAYR, GEORGE C., JR., US</p> <p>[72] GENOVESE, NICHOLAS J., US</p> <p>[72] VALETI, UMA S., US</p> <p>[72] CARSWELL, KATHLEEN, US</p> <p>[71] UPSIDE FOODS, INC., US</p> <p>[22] 2020-05-28</p> <p>[41] 2020-12-03</p> <p>[62] 3,210,518</p> <p>[30] US (62/853,565) 2019-05-28</p>
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<p>[21] 3,229,509 [13] A1</p> <p>[25] EN</p> <p>[54] GRAPHENE-MODIFIED ELECTRODES</p> <p>[54] ELECTRODES MODIFIEES PAR GRAPHENE</p> <p>[72] BILLADEAU, MARK, US</p> <p>[72] FREESE, PAUL, US</p> <p>[72] KISHBAUGH, ALAN, US</p> <p>[72] SPIELES, GISBERT, US</p> <p>[72] FOX-LYON, NICHOLAS, US</p> <p>[71] MESO SCALE TECHNOLOGIES, LLC., US</p> <p>[22] 2015-05-08</p> <p>[41] 2015-11-12</p> <p>[62] 2,947,747</p> <p>[30] US (61/990,839) 2014-05-09</p>

<p>[21] 3,229,662 [13] A1</p> <p>[51] Int.Cl. H02K 11/042 (2016.01) H02P 25/03 (2016.01) H02K 19/02 (2006.01) H02P 6/10 (2016.01) H02P 21/10 (2016.01)</p> <p>[25] EN</p> <p>[54] POWER DISTRIBUTION WITHIN AN ELECTRIC MACHINE WITH RECTIFIED ROTOR WINDINGS</p> <p>[54] DISTRIBUTION DE COURANT DANS UNE MACHINE ELECTRIQUE A ENROULEMENTS ROTORIQUES REDRESSES</p> <p>[72] PREINDL, MATTHIAS, US</p> <p>[72] PENNINGTON, WALTER WESLEY, III, US</p> <p>[72] RUBIN, MATTHEW J., US</p> <p>[72] STEVENSON, GREGORY GORDON, US</p> <p>[72] OWEN, MICHAEL PARKER, US</p> <p>[72] BAGGET SWINT, ETHAN, US</p> <p>[71] TAU MOTORS, INC., US</p> <p>[22] 2021-08-02</p> <p>[41] 2022-02-03</p> <p>[62] 3,190,431</p> <p>[30] US (63/059,930) 2020-07-31</p>
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<p>[21] 3,229,617 [13] A1</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR PARTITIONING SEARCH INDEXES FOR IMPROVED EFFICIENCY IN IDENTIFYING MEDIA SEGMENTS</p> <p>[54] SYSTEMES ET PROCEDES PERMETTANT DE CLOISONNER DES INDICES DE RECHERCHE PERMETTANT D'AMELIORER LE RENDEMENT D'IDENTIFICATION DE SEGMENTS DE MEDIA</p> <p>[72] NEUMEIER, ZEEV, US</p> <p>[72] COLLETTE, MICHAEL, US</p> <p>[71] INSCAPE DATA, INC., US</p> <p>[22] 2016-07-15</p> <p>[41] 2017-01-19</p> <p>[62] 2,992,519</p> <p>[30] US (62/193,351) 2015-07-16</p>
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<p>[21] 3,229,644 [13] A1</p> <p>[25] EN</p> <p>[54] SAFETY SYRINGE WITH NEEDLE REDIRECTION DEVICE</p> <p>[54] SERINGUE DE SECURITE DOTEE D'UN DISPOSITIF DE REDIRECTION D'AIGUILLE</p> <p>[72] SHAW, THOMAS J., US</p> <p>[72] SMALL, MARK, US</p> <p>[71] RETRACTABLE TECHNOLOGIES, INC., US</p> <p>[71] SHAW, THOMAS J., US</p> <p>[22] 2018-06-08</p> <p>[41] 2019-01-03</p> <p>[62] 3,067,743</p> <p>[30] US (15/635,346) 2017-06-28</p>

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] 3,229,732

[13] A1

[25] EN

[54] **SYSTEM AND METHOD FOR
ORGAN MAINTENANCE AND
TRANSPORT**

[54] **SISTÈME ET PROCÉDÉ DE
MAINTIEN ET DE TRANSPORT
D'ORGANE**

[72] FILGATE, JOSHUA, US

[72] MOREAU, TIMOTHY D., US

[72] COULL, SCOTT A., US

[72] CURTIS, PIPER L., US

[72] FERRENTINO, JUSTIN M., US

[72] HENNING, STEVEN L., US

[72] HOVAN, BRADLEY, US

[72] JACOBSON, STUART A., US

[72] LEON, KATIE E., US

[72] MOSLE, KATELYN, US

[71] DEKA PRODUCTS LIMITED
PARTNERSHIP, US

[22] 2021-02-19

[41] 2021-08-26

[62] 3,168,705

[30] US (62/979,144) 2020-02-20

[21] 3,229,775

[13] A1

[25] EN

[54] **BED SYSTEMS AND METHODS**

[54] **SYSTEMES DE LIT ET PROCEDES
ASSOCIES**

[72] JOHNSON, MICHAEL KARL, US

[72] RESSEL, TAYLOR ALLEN, US

[71] KAP MEDICAL, INC., US

[22] 2014-03-14

[41] 2014-09-18

[62] 3,111,832

[30] US (61/791,496) 2013-03-15

Index of Canadian Patents Issued

March 5, 2024

Index des brevets canadiens délivrés

5 mars 2024

10353744 CANADA LTD.	3,177,549	BALDWIN, R. MICHAEL	3,015,505	BUTLER, NEAL R.	2,985,623
A. FINKL & SONS CO.	2,963,394	BAO, LEI	3,148,367	BUTLER, WILLIAM E.	3,132,140
AALTO, PEKKA	3,106,773	BARRETT, TRISHA	2,832,279	BUTLIN, NATHANIEL G.	2,945,034
ABBOTT DIABETES CARE INC.	3,134,869	BARRETT, TRISHA	2,905,133	BUWALDA, GUILLAUME	3,007,895
ABDEL-SALAM, AHMED HAMDI	3,075,190	BARTH, DEVIN	3,018,682	BYUN, DAVID	3,039,105
ABDO SHABAH MD INC.	2,985,836	BAS HERMIDA, TERESA	2,989,480	CADY, SUSAN MANCINI	2,977,376
ABE, SHINNO SUKE	3,009,750	BASF SE	3,004,802	CAE HEALTHCARE CANADA INC.	3,149,196
ABELA, ALEXANDER RUSSELL	3,037,986	BASHTANOV, MIKHAIL	3,199,686	CAE INC.	3,193,081
ACIES BIO D.O.O.	2,948,421	BASSI, CORRADO	3,146,449	CAIAZZA, NICKY	2,832,279
ADAMS, WILLIAM C., JR.	3,077,975	BATTEFELD, MANFRED	2,913,087	CAMPBELL, CURTIS BAY	3,168,010
ADAMSON, JESSE	2,963,394	BATTEN, MICHAEL	3,039,105	CAMPBELL, CURTIS BAY	2,994,181
ADEKA CORPORATION	3,028,939	BAUM, ERICH W.	2,980,345	CAMPBELL, CURTIS BAY	3,068,664
ADHVARYU, ATANU	3,139,580	BAUMEIER, ANDREAS	3,103,029	CAMPBELL, CURTIS BAY	3,068,707
AFTON CHEMICAL CORPORATION	3,139,580	BAUMGARTE, JOSEPH W.	3,129,394	CAMPBELL, CURTIS BAY	3,135,761
AIRBUS HELICOPTERS	3,152,814	BEACHLY, EVAN MICHAEL	3,002,171	CAMPBELL, CURTIS BAY	3,135,768
ALBERS, STEPHAN	3,022,181	BECHELANY, MIRNA	3,077,103	CANON KABUSHIKI KAISHA	3,058,808
ALCACIO, TIMOTHY	3,037,986	BECKER, WILLIAM JOSHUA	3,134,359	CANON KABUSHIKI KAISHA	2,945,624
ALEXANDER, ALAN GRAHAM	3,139,580	BELL, BRUCE	3,115,340	CAO, CALVIN CUONG	3,018,682
ALIGNED GENETICS, INC.	3,152,814	BEN MENACHEM, AVSHALOM	2,950,373	CAO, XIAOFENG	3,133,106
ALLEN, CRAIG	3,022,181	BENKO, ZOLTAN L.	2,980,345	CAPITAL ONE SERVICES, LLC	3,086,971
ALLSTATE INSURANCE COMPANY	3,037,986	BERNER, MICHELE EDITH	3,146,449	CARABELL, KEVIN DAVID	3,065,731
ALLSTATE INSURANCE COMPANY	3,021,412	BERTHIER, ERWIN	3,009,328	CARMICHAEL, RYAN	3,009,328
AMAZON TECHNOLOGIES, INC.	3,137,151	BEUSCHEL, RALF	3,085,797	CASAVANT, BEN	3,005,305
AMBORSKY, ROBERT	3,002,171	BILLADEAU, MARK	2,947,747	CASOLARA, WILLIAM Z.	3,146,884
AMICUS THERAPEUTICS, INC.	3,065,731	BIOREA	3,007,749	CATERPILLAR INC.	2,989,480
ANAVEX LIFE SCIENCES CORP.	3,069,511	BLANVALET, CLAUDE	3,002,480	CENTRO DE INVESTIGACION BIOMEDICA EN RED	2,962,398
ANDERSON, COREY	3,032,299	BLATTLER, WALTER A.	2,936,962	CHALMERS, HARVEY	3,051,690
APPLIED MEDICAL TECHNOLOGY, INC.	3,037,986	BLOCK, INC.	3,115,340	CHAMBERS, OLIVER HENRY	3,112,218
ARCELORMITTAL	3,153,016	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.	2,815,125	SHERSTON	2,962,949
ARENA PHARMACEUTICALS, INC.	3,157,208	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.	2,977,376	CHANG, DE-KUAN	2,936,962
ARGONAUTE RNA LIMITED	3,002,544	BOFFA, ALEXANDER BOWMAN	3,068,660	CHANG, HWAI WEN	2,975,356
ARGYROS, AARON	3,143,404	BOFFA, ALEXANDER BOWMAN	3,068,664	CHAREST, ALEXANDRE	3,097,140
ARGYROS, AARON	2,832,279	BOLT MEDICAL, INC.	3,068,664	CHARTER COMMUNICATION OPERATING, LLC	3,131,419
ARIMA D.O.O.	2,905,133	BOOTHE, DAVID	3,144,246	CHE, GUANDA	2,977,376
ARON, KENNETH P.	2,948,421	BOSCHE, DIRK	2,970,663	CHEIFETZ, PETER	3,140,222
ARTIVION, INC.	2,991,532	BOSTON SCIENTIFIC SCIMED, INC.	3,046,413	CHEN, BANGCHI	3,115,194
ARVELAKIS, STYLIANOS	3,010,904	BOURDET, DAVID L.	3,068,707	CHEN, GUANGREN	3,051,285
ASCENDIS PHARMA A/S	3,048,765	BOUTHEGOURD, JEAN-CHRISTOPHE	3,144,246	CHEN, JIANLE	3,149,341
ASTRAZENECA AB	3,006,638	BRACIC, ALES	3,015,505	CHEN, LEI	3,114,538
BAEK, MINSON	3,040,341	BREWSTER, GRAHAM	3,079,534	CHEN, MINGTANG	3,100,684
BAI, JUNCAI	3,037,986	BRIGNONE, CHRYSTELLE	3,075,476	CHENG, XIURONG	3,067,048
BAKER HUGHES CANADA COMPANY	3,100,941	BROWN, RICHARD B.	2,936,962	CHERPECK, RICHARD E.	3,121,402
	3,049,035	BUNDERS, CYNTHIA	3,059,248	CHERPECK, RICHARD E.	3,145,716
		BUSCH, BRETT BRADLEY	2,968,973	CHEVRON JAPAN LTD.	3,069,623
			3,037,986	CHEVRON ORONITE COMPANY LLC	3,068,707
					3,041,927

Index des brevets canadiens délivrés
5 mars 2024

CHEVRON ORONITE COMPANY LLC	3,068,660	DANA-FARBER CANCER INSTITUTE, INC.	2,962,949	EMPL, GUNTER	3,010,892
CHEVRON ORONITE COMPANY LLC	3,068,664	DAS, PRATIK	3,097,140	ESSER, JASON L.	2,928,291
CHEVRON ORONITE COMPANY LLC	3,068,707	DAVIES, JEFF	3,168,010	ESSILOR INTERNATIONAL	3,036,097
CHEVRON ORONITE COMPANY LLC	3,069,616	DE FALLOIS, LOIC LE HIR	2,977,376	EYER, MARK	2,978,332
CHEVRON ORONITE COMPANY LLC	3,069,623	DE HEIJ, BAS	2,913,087	FABER, BEN	2,970,663
CHEVRON ORONITE COMPANY LLC	3,069,623	DEENOO, YUGESWAR	3,095,896	FASS, GENE TIMOTHY	3,015,505
CHEVRON ORONITE COMPANY LLC	3,069,623	DEKORVER, KYLE A.	2,980,345	FAULKNER, MARK C.	2,983,151
CHEVRON ORONITE COMPANY LLC	3,086,971	DELANEY, SARAH ANN	3,112,218	FELIX, STEPHEN	3,021,412
CHEVRON ORONITE COMPANY LLC	3,086,971	DELISLE, JEAN-FRANCOIS	3,193,081	FELL, GEORGE	3,108,062
CHEVRON ORONITE COMPANY LLC	3,086,971	DEMETER, DAVID A.	2,980,345	FENG, ENBO	3,111,215
CHEVRON ORONITE COMPANY LLC	3,086,971	DETWEILER, CARRICK	3,002,171	FENG, RONG	3,100,941
CHEVRON ORONITE SAS	3,068,660	DIAGDEV	3,078,319	FERON, CHRISTIANE MARIE-	
CHEVRON ORONITE SAS	3,068,664	DIAZ, STEPHEN H.	2,980,443	PAULE SIMONE JEANNE	2,945,542
CHEVRON ORONITE TECHNOLOGY B.V.	3,032,740	DIIANNI, STEVEN	2,977,584	FILIPPOV, ALEXEY	
CHEVRON ORONITE TECHNOLOGY B.V.	3,068,664	DIMONDO, DOMENIC	3,015,859	KONSTANTINOVICH	3,115,194
CHEVRON ORONITE TECHNOLOGY B.V.	3,068,664	DISEASE ADVISOR PTY LTD	3,154,877	FISCHER, DANIEL	3,010,892
DO, HUNG		DLIP LIMITED	3,075,476	FISCHER, LAURENT	
DOARE-BROUX, KARINE		DO, HUNG	2,961,762	BERNARD	2,815,125
DONG, FANGXU		DOARE-BROUX, KARINE	2,977,603	FISCHER, STEVEN	3,188,015
DONLAN, ZACHARY T.		DONLAN, ZACHARY T.	3,061,625	FISHER, JEFFREY S.	3,067,048
DONNAY, MANUEL LUIS		DONNAY, MANUEL LUIS	3,146,884	FIXED PHAGE LIMITED	3,076,290
DOOSAN BOBCAT NORTH AMERICA, INC.		DOOSAN BOBCAT NORTH AMERICA, INC.	3,134,869	FLEURY, MELISSA	3,015,505
DORSETT, WILLIAM A.		DORSETT, WILLIAM A.	2,928,291	FOSHAN JMA ALUMINIUM INDUSTRY CO., LTD	3,163,642
DOUGLASS, PAMELA		DOUGLASS, PAMELA	3,176,517	FOX-LYON, NICHOLAS	2,947,747
DOUGLASS, PAMELA		DOUGLASS, PAMELA	3,176,529	FRANKLIN, DANIEL B.	2,917,387
DOUGLASS, PAMELA		DOUGLASS, PAMELA	3,176,536	FRASER, DOMINIC	3,149,196
DOW GLOBAL TECHNOLOGIES LLC		DOW GLOBAL TECHNOLOGIES LLC	3,009,750	FREER, BENJAMIN AVERY	2,999,855
DOWNEY, ADAM DARWIN		DOWNEY, ADAM DARWIN	2,985,623	FRESE, PAUL	2,947,747
DRISCOLL, CHRISTOPHER		DRISCOLL, CHRISTOPHER	3,149,196	FREEZIO AG	3,010,892
DUCAS, MARTIN		DUCAS, MARTIN	3,077,103	FREY, GERHARD JOHANN	2,936,962
DUMITRU, MIRCEA		DUMITRU, MIRCEA	3,146,884	FRIEMAN, BRYAN A.	3,037,986
DUNJIC, MILOS		DUNJIC, MILOS	3,002,988	FRISZ, JESSICA	2,991,532
DUPONT SAFETY & CONSTRUCTION, INC.		DUPONT SAFETY & CONSTRUCTION, INC.	3,076,891	FRITH, ROBIN	3,199,686
DURAISWAMY, ATHISAYAMANI		DURAISWAMY, ATHISAYAMANI	3,073,656	FUJS, STEFAN	2,948,421
JEYARAJ		JEYARAJ	3,143,490	FUKUOKA INSTITUTE OF TECHNOLOGY	3,205,677
DURHAM, TIMOTHY		DURHAM, TIMOTHY	3,133,106	FULCRUM BIOENERGY, INC.	2,992,422
BARRETT		BARRETT	3,059,248	FUNAKOSHI, HAJIME	2,953,912
DUTT, RAJSADAY		DUTT, RAJSADAY	3,077,975	GAAN, SABYASACHI	3,146,449
E-SENS, INC.		E-SENS, INC.	2,957,165	GABRIELE, DAVID	3,018,682
EAGLE TECHNOLOGY, LLC		EAGLE TECHNOLOGY, LLC	2,999,855	GAGHAN, STEVEN P.	2,926,350
EATON INTELLIGENT POWER LIMITED		EATON INTELLIGENT POWER LIMITED	2,980,345	GALESKA, IZABELA	2,977,376
EATON INTELLIGENT POWER LIMITED		EATON INTELLIGENT POWER LIMITED	3,059,248	GALLAGHER, ANTHONY	3,006,144
ECKELBARGER, JOSEPH D.		ECKELBARGER, JOSEPH D.	3,077,975	GARCIA GIMENEZ, JOSE LUIS	2,989,480
ELBAUM, SEBASTIAN		ELBAUM, SEBASTIAN	3,002,171	GARMAN, BRADLEY	3,084,135
ELI LILLY AND COMPANY		ELI LILLY AND COMPANY	3,143,490	GE, YU	3,125,478
ELIRA, INC.		ELIRA, INC.	2,977,584	GEN-PROBE INCORPORATED	3,176,517
ELLENBERGER & POENSGEN GMBH		ELLENBERGER & POENSGEN GMBH	3,046,413	GEN-PROBE INCORPORATED	3,176,529
ELLIOTT, IAN G.		ELLIOTT, IAN G.	3,041,927	GENETEC INC.	3,176,536
ELLIOTT, IAN G.		ELLIOTT, IAN G.	3,069,616	GERBER, MANFRED	3,005,476
ELLIOTT, IAN G.		ELLIOTT, IAN G.	3,069,623	GLAXOSMITHKLINE	3,002,480
ELLMAUTHALER, ANDREAS		ELLMAUTHALER, ANDREAS	3,137,059	GORE, CALEB BRIAN	3,075,190
EMPA, SWISS FEDERAL LABORATORIES FOR MATERIALS SCIENCE AND TECHNOLOGY		EMPA, SWISS FEDERAL LABORATORIES FOR MATERIALS SCIENCE AND TECHNOLOGY	3,046,413	SLAUGHTER	2,945,542
GORPE-YASAR, FILIZ		GORPE-YASAR, FILIZ	3,041,927	GOLDAN, AMIRHOSSEIN	3,124,832
GOTSCHELL, RUSSELL		GOTSCHELL, RUSSELL	3,069,616	GOLDSTEIN, STEVEN	3,010,904
GORE, CALEB BRIAN		GORE, CALEB BRIAN	3,069,623	GOLITZ, ANDREAS	2,913,087
GORPE-YASAR, FILIZ		GORPE-YASAR, FILIZ	3,137,059	GOODE, PAUL V.	2,977,584
GOTSCHELL, RUSSELL		GOTSCHELL, RUSSELL	3,146,449	GORE, CALEB BRIAN SLAUGHTER	3,065,731
GOTSCHELL, RUSSELL		GOTSCHELL, RUSSELL	3,146,449	GORPE-YASAR, FILIZ	3,067,048
GOTSCHELL, RUSSELL		GOTSCHELL, RUSSELL	3,146,449	GOTSCHELL, RUSSELL	2,961,762

Index of Canadian Patents Issued
March 5, 2024

GRANITEFUEL ENGINEERING INC.	3,005,305	HILZ, MARK	3,000,369	INOEX GMBH
GRAPHCORE LIMITED	3,021,412	HIRANO, SHIGERU	2,953,912	INNOVATIONEN UND AUSRUSTUNGEN FUR
GRAY, KAITLYN	2,980,345	HOGENDOORN, RICHARD	3,032,740	DIE
GREENMANTRA RECYCLING TECHNOLOGIES LTD.	3,015,859	HONEYWELL INTERNATIONAL INC.	3,069,623	EXTRUSIONSTECHNIK
GROMADA, JESPER	2,931,299	HONG, DA	2,947,241	3,097,229
GROOTENHUIS, PETER	3,037,986	HONG, HAO	3,012,063	INOVIO PHARMACEUTICALS, INC.
GUAN, BAOCHUAN	3,140,222	HONG, PETER I.	3,131,419	INTERDIGITAL PATENT
GUANGDONG JMA ALUMINUM PROFILE FACTORY (GROUP) CO., LTD	3,163,642	HOOD, EDWARD JAMES	2,977,584	HOLDINGS, INC.
GUANGZHOU JOYSON CLEANING PRODUCTS CO., LTD.	3,175,174	HOOPER, MATHEW J.	3,002,988	ISHIBASHI, RYO
GULATI, ANIL	3,171,883	HOSPITAL UNIVERSITARIO Y POLITECNICO LA FE.	3,146,102	ITRON, INC.
GUNAWAN, THERESA LIANG	3,069,616	HOSSEINI, SEYEDEH MAHBOOBEH	2,989,480	IVANUSIC, DANIEL
GUNAWAN, THERESA LIANG	3,069,623	HOU, DAPENG	3,068,664	JACKSON, MATTHEW M.
GUNDERSON, KEVIN L.	3,067,048	HOVI, MERI	3,148,367	JACKSON, MICHELLE
GUNNELS, ROBERT	3,097,873	HRISTOV, ALEXANDER ISKRENOV	3,106,773	JACOBS, JAKE ZACHARY
HACH LANGE GMBH	2,913,087	HRISTOV, GEORGI ISKRENOV	3,106,130	JACOBY, BERND
HADIDA RUAH, SARA SABINA	3,037,986	HRISTOV, PLAMEN ISKRENOV	3,106,130	JAGGA, ARUN VICTOR
HAGERMAN, BRYSON	3,007,645	HU, LINJIE	3,005,305	JAIPURI, FIROZ
HAJIR, MOUNA	3,095,896	HUANG, CHANGWEI	2,994,336	JANSSEN, JEFF
HALL, MASON	3,092,528	HUAWEI TECHNOLOGIES CO., LTD.	3,051,285	JANSSON, KARI
HALLIBURTON ENERGY SERVICES, INC.	3,163,489	HUAWEI TECHNOLOGIES CO., LTD.	3,053,919	JAYAWARDENA, ADIKARAMGE ASIRI
HALLIBURTON ENERGY SERVICES, INC.	3,137,059	HUAWEI TECHNOLOGIES CO., LTD.	3,115,194	JAYAWARDENE, DIWELAWATTE
HALLUR, GURULINGAPPA	3,073,656	HUBER, DAVID T.	3,121,402	JELINEK, VACLAV J.
HAN, MIN	3,007,870	HUGHES, ADAM D.	2,928,291	JIAN, JUN
HAN, PAT A.	3,069,240	HUGHES, ROBERT M.	3,015,505	JIBRY, RAFAEL
HANGZHOU DIKE TECHNOLOGIES CO., LTD.	3,148,367	HUGHEY & PHILLIPS, LLC	3,168,343	JILIN ASYMCHEM LABORATORIES CO., LTD.
HANSEN, KRISTOFFER	2,982,012	HUNT, DANIEL W.	2,970,663	JINDAL, MANISH
HANSEN, MICHAEL	2,982,012	HUNTER, RICKY	2,980,345	JOHNSTON, RICHARD DUANE
HARASYMCZUK, REBECCA	3,065,731	HWANG, JEONG UN	3,165,381	JOKINEN, ALTTI SAMULI
HARDING, KENNETH C.	3,076,891	HYRLIK, EDWARD F.	2,964,885	JONES, PAUL JOSEPH
HARISH, PRATHEEK MYLANAHALLI	3,069,511	HYUNDAI PHARM CO., LTD.	3,165,381	JOSHI, PRAMOD VIRUPAX
HARMONY SOCIAL COOPERATIVE ASSOCIATION	3,156,717	I-JACK TECHNOLOGIES INCORPORATED	2,969,277	JOST, MATTHIAS
HARTGERS, WALTER ALEXANDER	3,032,740	IANNCE, STEPHAN IBILITY DIGITAL CORPORATION	2,999,855	JOST, MATTHIAS
HARTGERS, WALTER ALEXANDER	3,068,664	IGARI, SHUNTARO	2,962,398	JOY GLOBAL SURFACE
HATCH, GRANT M.	2,983,151	IIDA, MASONORI	3,139,175	MINING INC
HAYASHIDA, MAKOTO	3,135,761	IINO, SHINJI	3,009,750	JONDAL, RICHARD
HAYASHIDA, MAKOTO	3,135,768	ILLINOIS TOOL WORKS INC.	3,028,939	JUBILANT EPIPAD LLC
HEART TEST LABORATORIES, INC.	3,000,369	ILLINOIS TOOL WORKS INC.	3,105,851	JUNG, CORALIE
HEEMSTRA, RONALD J.	2,980,345	ILLUMINA, INC.	3,134,359	JUNG, YEONCHEOL
HEO, JIN	3,134,688	IMMUNITYBIO, INC.	2,992,597	JUVONEN, MARJA
HERRMANN, ALEXANDER	3,069,511	IMMUTEP S.A.S.	3,067,048	KADALI, RAMESH
HERVAS MARIN, DAVID	2,989,480	IMPERIAL INNOVATIONS LIMITED	2,927,977	KALDSTROM, MATS
HETZLER, MARKUS	3,188,015	INFINIUM TECHNOLOGY, LLC	2,936,962	KANAKASABAPATHY, MANOJ KUMAR
HIGGINS, JAMES	3,002,171	INNOVATIVE CELLULAR THERAPEUTICS HOLDINGS, LTD.	3,145,716	KANDAL, INGE ARNE
HIGGINS, MALCOLM CHRISTOPHER	3,140,157		3,180,533	KARALLIEF, INC.
HILLARD, ROBERT DOUGLAS	3,163,489		2,976,684	KARLES, GEORGIOS
				KATSUNO, EIJI
				KEGEL, FREDERIC
				KELLER, JOSEPH RUDY
				KEMMLER, STEFAN J.
				KESHAVARZ-SHOKRI, ALI
				KHAIRKAHAN, ALEXANDER K.
				KHAMATNUROVA, TATYANA V.
				KHATUYA, HARIPADA KHISMATULLIN, DAMIR B.
				3,004,418
				3,163,489
				3,143,404
				3,037,986
				3,051,365

Index des brevets canadiens délivrés
5 mars 2024

KHURANA, TARUN KUMAR	3,067,048	LAW, CANDACE	3,010,904	MA, FACHENG	2,994,336
KIEHN, MICHAEL	3,085,797	LAWLER, JUSTIN	3,024,911	MA, XIAOHUI	3,007,870
KIM, EUN YOUNG	3,165,381	LAYZELL, MARIE CLAIRE	3,179,335	MADSEN, FLEMMING	3,006,638
KIM, JEE H.	2,931,299	LE COMPTE, ROGER		MAGDA, DARREN	2,945,034
KIM, SEUNGHWAN	3,134,688	(DECEASED)	3,078,319	MAI, JENNIFER	2,965,835
KINNUNEN-RAUDASKOSKI, KARITA		LE DEORE, CHRISTOPHE P.	3,068,660	MALESSI, MEHRDAD R.	3,176,517
KIRKHAM, STEVEN	3,057,956	LE DEORE, CHRISTOPHE P.	3,068,664	MALESSI, MEHRDAD R.	3,176,529
KISHBAUGH, ALAN	3,168,620	LEBLANC, MICHEL JOSEPH	3,137,059	MALESSI, MEHRDAD R.	3,176,536
KISHIZAKI, OSAMU	2,947,747	LEE, BRIAN R.	2,959,604	MALAVE, LUIS JOSE	2,977,584
KLIN, LEE	3,009,750	LEE, GAVIN GAW-WAE	3,049,035	MANAHAN, JOSEPH	
KLINGEMANN, HANS G.	3,107,358	LEE, JOHN JONG-SUK	3,002,988	MICHAEL	2,999,855
KLOSE, RALPH	2,927,977	LEE, KYU HWAN	3,165,381	MANDELL, JEFFREY G.	2,992,597
KNAPP, COLIN	3,097,229	LEE, SU-BONG	3,137,151	MANGNALL, JONATHAN	3,021,412
KNOWLES, SIMON CHRISTIAN	3,180,303	LEHMAN, ANDREW	2,827,378	MAO, GUOHONG	3,039,105
KNUEPPEL, DANIEL I.		LEHNER, SAMUEL	3,055,448	MARASCO, WAYNE A.	2,962,949
KOCH, DALE	3,142,363	LEISERSON, ANDREW JOHN	3,115,340	MARIA, AMIR GAMAL	3,069,616
KOCH, MICHAEL		LEPESKA, PETER	3,116,663	MARIA, AMIR GAMAL	3,069,623
KOENIG, MIRANDA	3,004,802	LEPOUDRE, PHILIP PAUL	3,075,190	MARTIN, BENJAMIN JOEL	2,926,350
KOH, GHUN	2,970,663	LEVY, KENT	3,142,363	MARTIN, JEFFREY B.	2,917,387
KOLEKAR, ANANT S.	3,137,151	LEXOGEN GMBH	2,954,495	MARTIN, TIMOTHY P.	2,980,345
KOLK, DANIEL P.	3,145,716	LG ELECTRONICS INC.	3,134,688	MARTINEZ, ADAM	3,010,904
KOLK, DANIEL P.	3,176,517	LI, FANGZHENG	2,980,345	MASHAYEKHI, FOAD	3,067,048
KOLK, DANIEL P.	3,176,529	LI, FENGLEI	3,175,174	MASSEY, STEVEN MARC	3,143,490
KOO TZE MEW, DENNIS WARREN	3,176,536	LI, LING	3,134,688	MASSIMINI, DANIEL	3,144,246
KOOPEH DESIGNS INC.	2,934,526	LI, SAN	3,022,234	MASUDA, SAYAKA	3,205,677
KOSEC, GREGOR		LI, XIAOWEI	3,099,310	MASUDO, TAKASHI	3,009,750
KOWARIK, MICHAEL	3,101,675	LI, YANCHUAN	3,007,870	MATARAZA, JENNIFER	
KRENITSKY, PAUL JOHN	2,948,421	LI, YONGWANG	3,052,345	MARIE	2,936,962
KROEBER, DAMARIS	2,945,542	LI, YUE-RONG	3,068,664	MATTEY, MICHAEL	3,076,290
KROEGER, BRIAN W.	3,018,682	LIGHTBURN, BENJAMIN	3,127,180	MATTRESS SPA INC.	3,063,766
KROLL JENSEN, ANNETTE E.	3,037,986	LIKANDER, SALLA	3,106,773	MAURER, MICHAEL W.	2,917,387
KRUBSACK, DAVID	3,069,240	LIM, DAVID TIEN ANG	3,075,476	MAUTINO, MARIO	3,132,620
KRUGER, MARC	3,000,369	LIM, JAEHYUN	3,134,688	MCAULEY-AOKI, RACHEL	3,037,986
KRYUYER, RICHARD C.	3,010,892	LIN, ALBERT	3,007,945	MCCARTNEY, JASON	3,037,986
KUBALA, PETRA	2,917,387	LIN, CHARLES	3,067,048	MCGOWAN, ROGER	3,144,246
KUBO, HIRONARI	2,954,495	LINDBLAD, MARINA	3,106,773	MECHANICAL TESTING	
KUBO, KOICHI	3,205,677	LIQUIDSTACK HOLDING B.V.	3,136,269	SERVICES, LLC	3,007,945
KUMAR, SANJEEV	3,068,707	LIU, MINGCHUAN	3,012,063	MEHRA, RAJESH K.	2,991,532
KUMPCH, HANS-JOACHIM	3,132,620	LIU, TUANFANG	3,161,318	MELILLO, VITO	3,037,986
KUO, CHE-CHUN	2,913,087	LIU, YANYONG	3,007,870	MELLO, SARITA	3,002,480
KUTIK, ONDREJ	3,100,684	LIU, YONG	3,053,919	MENA MOLLA, SALVADOR	2,989,480
KWAK, YUNGWAN	2,947,241	LOBOV, IVAN B.	2,931,299	MENNICKE, RALPH	3,055,448
KWOK, LISA	3,139,580	LOCKWOOD, FRANCES E.	3,145,716	MERKOJI, ANTUN	3,079,534
LABELLA, ANDREW	2,992,597	LOGAN, AARON W.	3,049,035	MESO SCALE	
LACEY, DAVID	3,124,832	LOGAN, JUSTIN C.	3,049,035	TECHNOLOGIES, LLC.	2,947,747
LAITRAM, L.L.C.	3,021,412	LONG, BENJAMIN JOHN		MESSAGEPOINT INC.	2,827,378
LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC	2,959,604	OLIVER	3,114,280	MEUNIER, GABRIEL	2,975,356
LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC	2,832,279	LONG, JOSHUA A.	3,129,394	MEYER, SEBASTIAN	3,022,181
LAMARRE, SYLVAIN		LORCY, GWENDAL	2,977,603	MILLER, ULRICH	3,022,181
LAMBERT, PIERRE	2,905,133	LORD, ANTON	3,154,877	MICROVISION, INC.	3,085,797
LAMMINPAA, KAISA	2,975,356	LORD, MAGGY	3,154,877	MIDWESTERN UNIVERSITY	3,171,883
LANDRUM, CONNOR	3,002,480	LOU, DAISHEN	3,051,365	MILES, PHILIP	2,947,992
LANEY, CHRISTIAN	3,106,773	LOWE, ADAM	3,050,116	MILLER, BRENDAN P.	3,068,660
LANTZ, RAYMOND C.	3,013,437	LOZON, MARTIN ALBERT	3,002,988	MILLER, BRENDAN P.	3,068,664
LAPIERRE, MAXIME	3,002,171	LU, JIANGPING	3,131,419	MILLER, BRENDAN P.	3,068,707
LARMINIER, HERVE	2,926,350	LUBINSKY, ANTHONY	3,124,832	MILLER, DONALD W.	2,983,151
LAU, KAR-WING	3,149,196	LUCAS, STEPHEN H.	2,992,422	MILLER, JOHN ROBERT	3,068,707
LAPIERRE, MAXIME	3,152,814	LUIF, JOHN	3,129,394	MILLER, JOHN ROBERT	3,086,971
LARMINIER, HERVE	3,136,269	LUMIPHORE, INC.	2,945,034	MILLER, MARK THOMAS	3,037,986
LAU, KAR-WING		LUMOS PHARMA, INC.	3,132,620	MINCH, BRITT A.	2,970,663
LAPIERRE, MAXIME	3,152,814	LUO, YANG	3,039,105	MISSLING, CHRISTOPHER	3,032,299
LARMINIER, HERVE	3,136,269	LUTRON TECHNOLOGY COMPANY LLC	3,143,550	MITCHELL, DANIEL	3,143,404
LAU, KAR-WING			3,061,625	MITREITER, ANDREAS	2,913,087

Index of Canadian Patents Issued
March 5, 2024

MODESTINE, JOHN	3,008,456	PARKS, JAMES C.	2,917,387	RENNIE, JAMES MAXWELL	3,179,335
MOGA, BEN	3,009,328	PARSCHE, FRANCIS E.	3,077,975	REZAYEE, AFSHIN	3,115,340
MOINARD, BRUNO	3,036,097	PASANEN, ANTTI	3,106,773	RHEINMETALL	
MOLINARO, ANDREA	3,036,097	PASANEN, JUKKA-PEKKA	3,106,773	LANDSYSTEME GMBH	3,103,029
MONAWER, SHARIFA	3,133,106	PAUL, LUKAS	2,954,495	RHODES, SCOTT A.	2,985,623
MONIZ, MENNO ANTON STEFAN	3,032,740	PAYPAL, INC.	2,934,526	RICH, LEWIS L.	2,992,422
MORAN, GREGORY E.	2,970,663	PBU (UK) LTD	3,006,144	RIENER, MICHELLE	2,980,345
MORENO, PAUL	3,078,319	PCTEL, INC.	3,097,873	RIGAIL, FRANCOIS	2,987,522
MORGAN, ANDRE MICHELLE	3,002,480	PELLETIER, GHYSLAIN	3,095,896	RIOUX, FREDERIC	3,005,476
MORLEY, THOMAS	3,010,207	PENLAND FOUNDATION	3,154,363	RITZ, FABIAN	3,168,620
MOROSE, GREGORY	3,033,906	PERELSHTEIN, MIKHAIL	3,131,476	ROBERTS, ANDREW DAVID	3,051,690
MOSENDS, SERGEI	3,115,340	PEREZ, RAUL E.	2,977,584	ROBINSON, ALEXANDER	3,006,144
MOSS, RYAN	3,127,180	PERLADE, ASTRID	3,157,208	ROBINSON, PETER G.	3,134,869
MOUSSEAU, GARY	3,177,549	PERRY, THOMAS	2,926,350	ROGERS, JASON PAUL	3,075,476
MU, HAIPING	3,140,222	PETER UND TRAUDL		ROMARI, KHADIDJA	3,007,749
MULTIQUIP INC.	3,108,062	ENGELHORN-STIFTUNG		ROOS, MARK ALAN	2,977,603
MUNAKATA, ICHIRO	3,139,175	ZUR FORDERUNG DER		ROSINSKI, ANDREW C.	3,143,550
MURPHY, ANDREW J.	2,931,299	LEBENSWISSENSCHAFT		ROSS, RONALD	2,980,345
MUSTONEN, TUOMAS	3,057,956	N	2,980,819	ROSSEL, BART	3,052,373
MUTER, JOHN	3,005,305	PETERSON, AARON	3,000,369	ROTH, JOSHUA	3,008,456
MYERS, JEFF	3,013,437	PETKOVIC, HRVOJE	2,948,421	ROUSSEAU, DAMIEN	3,036,097
NAIRN, PETER GLEN	3,002,988	PETTERSEN, ANNA MATILDA		RUDAN, MICHAEL	3,107,358
NAVICO HOLDING AS	3,146,102	ANGELICA	3,040,341	RUETHER, FEELLY	3,004,802
NESTE OYJ	3,106,773	PHILIP MORRIS PRODUCTS		RUFITSKIY, VASILY	
NGUYEN, TUAN	3,134,869	S.A.	3,022,234	ALEXEEVICH	3,115,194
NIMMER, SCOTT	3,133,106	PHILIPPE, NICOLAS	3,007,895	RUZYCKY, EWHAN	3,101,675
NISHIDA, TAKUTO	3,205,677	PHILIPS, GRANT WESLEY	3,153,016	SABATOS-PEYTON,	
NISSEN, JEFFREY	2,980,345	PICHA, GEORGE J.	3,153,016	CATHERINE ANNE	2,936,962
NIU, DECAI	3,163,642	PIERRE, FABRICE JEAN		SAFRAN	3,077,103
NOE, FALKO	3,067,048	DENIS	3,037,986	SAGE, CARLETON R.	3,002,544
NORTEK AIR SOLUTIONS CANADA, INC.	3,075,190	POLARES MEDICAL INC.	3,004,418	SAMBANDAM, SAKTHI	3,132,445
NOVAK, ONDREJ	3,059,248	POLYGROUP MACAU		SAMPRONI, JENNIFER	3,143,250
NOVARTIS AG	2,936,962	LIMITED (BVI)	2,945,624	SAVANT TECHNOLOGIES	
NOVATEL INC.	3,010,207	POROSOFF, MARC	3,030,838	LLC	3,092,528
NOVATEL INC.	3,041,537	POTTER, JAMES RICHARD	3,051,690	SCHLAGE LOCK COMPANY	
NOVELIS INC.	3,146,449	POTTURI, HIMA	3,132,620	LLC	3,129,394
NOVELIS KOBLENZ GMBH	3,168,620	POURTAUD, NICOLAS	2,987,522	SCHMITT, KYLE PATRICK	3,069,511
NUTECH VENTURES	3,002,171	PRAKASH, INDRA	2,968,973	SCHMUTZ, PATRIK	3,146,449
O'KANE, DREW	3,007,645	PRATT & WHITNEY CANADA		SCHNEIDER, JOSEPH C.	3,134,359
O'MORAIN, CIARAN	3,024,911	CORP.	2,975,356	SCHUBERTH, STEFAN	3,114,169
O'MORAIN, ULTAN	3,024,911	PRAXAIR TECHNOLOGY, INC.	3,143,550	SCHUETZLE, DENNIS	3,180,533
OAG, ROBERT	3,199,686	PROCEQ SA	3,055,448	SCHUETZLE, ROBERT	3,180,533
OGBONLOWO, TRACY M.	3,022,234	PSILO SCIENTIFIC LTD.	3,127,180	SCHWIND, BRIAN E.	3,007,945
OHBA, KAORU	3,009,750	PURRA, BUCHI REDDY	3,073,656	SCLAFANI, ANTHONY	
OHKUBO, HITOSHI	3,068,707	PURVIS, DANIEL	3,007,945	JOSEPH	3,000,320
OLESEN, JAN	3,006,638	QUALFLOW SYSTEMS		SD CHEM, INC.	3,125,478
OLVER, ANDREW V.	3,145,716	LIMITED	3,024,911	SEGWAY TECHNOLOGY CO.,	
ONSTINE, ELLIOTT J.	2,957,165	QUEBATTE, JULIEN L.	2,945,542	LTD.	3,114,538
OREJAS, MARTIN	2,947,241	RAASAKKA, JUSSI	2,947,241	SEMPLE, GRAEME	3,002,544
OSBORNE, RICHARD LUKE SOUTHWELL	3,021,412	RACZ, PIERRE	3,005,476	SENGPIEL, ROBERT	3,004,802
OYSTERSHELL NV	3,052,373	RAHMAN, FAHEEM	3,133,106	SEQONE	3,007,895
PAASIKALLIO, VILLE	3,106,773	RAJAGOPAL, SRIDHARAN	3,073,656	SHABAH, ABDO	2,985,836
PACE, LOUIS G.	3,134,869	RAJENDRAN, KRISHNA	3,183,853	SHAFIEE, HADI	3,118,458
PAKHOMCHIK, ALEXEY	3,131,476	RANKEN, LISA	3,127,180	SHAILUBHAI, KUNWAR	3,100,941
PALLARDO CALATAYUD, FEDERICO VICENTE	2,989,480	RAO, N.V.S.K.	3,073,656	SHANLEY, JOHN F.	2,980,443
PAPTIC OY	3,057,956	RAPTA, MIROSLAV	3,015,505	SHAO, HAIPING	3,144,246
PARASELLI, PRASUNA	3,037,986	RAY, YONATON	2,931,299	SHARKNINJA OPERATING	
PARK, HEA YOUNG	3,156,717	REDA, TORSTEN	2,954,495	LLC	3,051,690
PARKER-HANNIFIN CORPORATION	2,964,885	REGENERON		SHAW, ARTHUR J., IV	2,832,279
		PHARMACEUTICALS, INC.	2,931,299	SHAW, SIMON	3,137,059
		REID, SUSAN	3,188,015	SHEN, SHUO	3,081,627
		REN, ALBERT S.	3,002,544	SHENG, QIUJU	3,140,222
		REN, XIANG	3,053,919	SHENZHEN EIGATE TECHNOLOGY CO., LTD.	3,161,318

Index des brevets canadiens délivrés
5 mars 2024

SHIJIAZHUANG YILING PHARMACEUTICAL CO., LTD.	3,081,627	SUNCOR ENERGY INC.	3,111,215	THUMBPRINT SOLUTIONS INC.	3,188,015
SHIMIZU, YOJU	2,953,912	SUND, ANDERS GROVE CO., LTD.	2,982,012	TILLACK, JEFF	2,980,443
SHIRLEY, MARK	2,963,394	SUNSHINE LAKE PHARMA CO., LTD.	2,994,336	TIVERIOS, PETER G.	2,992,422
SHLUZAS, ALAN E.	2,980,443	SVAGELJ, MIRJAN	2,948,421	TOKUNAGA, KEISUKE	2,953,912
SHOJI, HIDEKI	3,139,175	SVATIK, EMIL G.	3,077,975	TOPPINEN, SAMI	3,106,773
SIEMENS ENERGY GLOBAL GMBH & CO. KG	3,114,169	SWAGELOK COMPANY	3,084,492	TOPSOE A/S	3,069,240
SIEMENS HEALTHCARE DIAGNOSTICS INC.	3,143,250	SWANSON, TODD	3,142,363	TORNIAINEN, ESA	3,057,956
SIESEL, DAVID ANDREW	3,037,986	SWIFTLINK TECHNOLOGIES INC.	3,100,684	TOSOH CORPORATION	2,953,912
SILK, KEVIN	3,084,492	SYNERGY PHARMACEUTICALS INC.	3,145,716	TOTH, JAMES LEE	3,143,490
SILLERS, WILLIAM RYAN	2,832,279	SYNFUELS CHINA TECHNOLOGY CO., LTD.	3,100,941	TOUKONIITY, BLANKA	3,106,773
SIMEONE, CHRISTINA	3,022,181	TAKANO, KENJI	3,052,345	TOURONEN, JOUNI	3,106,773
SIMEONE, MICHAEL	3,015,505	TANAKA, ISAO	3,009,750	TOYO SYSTEM CO., LTD.	3,139,175
SIMON, BARRY J.	2,927,977	TANG, DAVID	3,068,707	TREELINE WELL SERVICES LP	3,180,303
SINGH, NAVPREET	3,193,081	TANG, HOUXUN	3,036,097	TRIEBEL, FREDERIC	2,936,962
SINGLETARY, JAMES NEAL	3,076,891	TASLY PHARMACEUTICAL GROUP CO., LTD.	3,143,077	TROY CORPORATION	3,149,341
SINPHAR TIAN-LI (HANGZHOU) PHARMACY COMPANY LIMITED	3,012,063	TASSO, INC.	3,007,870	TRULLINGER, TONY K.	2,980,345
SKALICKY, JAKUB	2,947,241	TAX, DAVID SAMUEL	3,009,328	TRUMME, REINHARD	3,022,181
SLABY, MICHAL	3,035,772	TEAGUE, PHILIP	3,002,988	TSANG, MAN HON	3,069,623
SLAGER, ANNA	3,084,135	TELETRACKING TECHNOLOGIES, INC.	3,078,646	TSILLAS, DEMETRIOS JAMES	3,116,663
SMEYERS, AXEL ALEXANDER MARIA	3,168,620	TERMIN, ANDREAS P.	3,009,750	TU, XIAOMIN HELEN	3,068,664
SMITH, ALAN F.	3,105,851	TERRA QUANTUM AG	3,068,707	TWIDWELL, DIRAC	3,002,171
SMITH, JUSTIN	3,018,682	THALLADI, VENKAT R.	3,015,505	UESUGI, TETSUO	3,135,761
SMITH, MALCOLM	3,115,340	THAYER, DAN	2,980,443	UESUGI, TETSUO	3,135,768
SMITH, PRESTON	3,013,437	THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND	3,007,870	ULTRAHAPTICS IP LTD	3,114,280
SOCIETE DES PRODUITS NESTLE S.A.	2,977,603	THE BOEING COMPANY	3,051,365	UNDERYS, ALGIRDAS	2,963,394
SODASTREAM INDUSTRIES LTD.	3,049,841	THE BRIGHAM AND WOMEN'S HOSPITAL, INC.	3,000,320	UNIVERSITAT DE VALENCIA INC.	2,989,480
SOLUTION 3D PLUS INC.	2,972,218	THE COCA-COLA COMPANY	3,037,986	URBAN, CHRISTOPHER	3,133,106
SONG, LIANQIANG	3,081,627	THE FILTA GROUP LTD	3,131,476	UY, JOHNNY	3,037,986
SONY CORPORATION	2,978,332	THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS	3,015,505	VACCARI, ADAM	3,142,363
SPARKS, THOMAS C.	2,980,345	THE LUBRIZOL CORPORATION	2,980,443	VAN DAM, WILLEM	3,041,927
SPC SUNFLOWER PLASTIC COMPOUND GMBH	3,022,181	REPRESENTED BY THE SECRETARY OF THE NAVY	3,009,750	VAN GOOR, FREDRICK	3,037,986
SPIELES, GISBERT	2,947,747	THE PROCTER & GAMBLE COMPANY	3,051,365	VEDNOR, PETER	2,980,345
SPIELMANN, JAN	3,004,802	THE PROCTER & GAMBLE COMPANY	3,009,750	VERTEX PHARMACEUTICALS INCORPORATED	3,037,986
SPINAZZE, PATRICK GIANPIETRO	3,143,490	THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK	3,000,320	VESTLAND PHARMA AS	3,014,028
SPM OIL & GAS INC.	3,013,437	THE TORONTO-DOMINION BANK	3,118,458	VGP IPCO LLC	3,145,716
STACK, DOUGLAS RICHARD	3,143,490	THE UNIVERSITY OF MASSACHUSETTS	2,968,973	VIASAT, INC.	3,116,663
STEEMERS, FRANK J.	3,067,048	THIRUMALARAJU, PRUDHVI	3,140,157	VICK, JACOB EDWARD	3,039,105
STEESE-BRADLEY, GARY	2,980,443	THREE R & D IP, LLC	3,112,218	VIDA THERAPEUTICS, INC.	2,994,181
STENGEL, BRAD	2,977,584	THREE R & D IP, LLC	3,030,838	VIREO SYSTEMS, INC.	2,983,151
STEVENSON, JOAN	3,188,015	THREE R & D IP, LLC	2,970,663	VIVO MOBILE COMMUNICATION CO., LTD.	3,143,077
STEVIS, PANAYIOTIS	2,931,299	THREE R & D IP, LLC	3,099,310	VOUGHT, MICHAEL L. W. L. GORE & ASSOCIATES, INC.	3,035,772
STEWART, ALEX	3,078,646	THREE R & D IP, LLC	3,112,218	WAISMAN, ALON	3,132,445
STIMAC, TOMISLAV J.	3,092,528	THREE R & D IP, LLC	3,124,832	WALDO, JESSE	3,049,841
STRAND, ROSS	3,099,310	THREE R & D IP, LLC	3,002,988	WALLANCE, MATTHEW	3,132,620
STROBECH, ESBEN	2,982,012	THREE R & D IP, LLC	3,033,906	WALSH, CONNOR	2,827,378
STROLLER, JASON	3,142,363	THREE R & D IP, LLC	3,015,505	WANG, AIJUN	3,065,731
STRYKER CORPORATION	2,985,623	THREE R & D IP, LLC	3,018,458	WANG, HULIN	3,092,528
STUCKERT, NICHOLAS R.	3,143,550	THREE R & D IP, LLC	3,069,310	WANG, JING	3,052,345
SUMI, TARO	3,028,939	THREE R & D IP, LLC	3,002,988	WANG, JINLIAN	3,007,870
SUN, HE	3,007,870	THREE R & D IP, LLC	3,033,906	WANG, QUAN	3,133,106
SUN, JIANFENG	3,175,174	THREE R & D IP, LLC	3,015,505	WANG, XIANZHOU	3,148,367
SUN, MIN	3,175,174	THREE R & D IP, LLC	3,069,623	WANG, XIAOJUN	3,052,345
		THREE R & D IP, LLC		WARD, BEN	2,994,336
		THREE R & D IP, LLC		WARD, JACOB DANIEL	3,012,063
		THREE R & D IP, LLC		WARD, JACOB DANIEL	3,013,437
		THREE R & D IP, LLC		WARD, JACOB DANIEL	3,068,660
		THREE R & D IP, LLC		WARD, JACOB DANIEL	3,068,664
		THREE R & D IP, LLC		WARD, JACOB DANIEL	3,068,707

Index of Canadian Patents Issued
March 5, 2024

WEAVER, PATRICK JOSEPH	3,108,062	ZHANG, ENXUAN	3,131,419
WEI, FULIANG	3,131,419	ZHANG, GUOQUING	3,100,941
WEIGUNY, SABINE	3,004,802	ZHANG, HANLONG	3,163,642
WEISZ, JASON	2,985,424	ZHANG, HONGWEI	3,140,222
WESSELS, FRANK J.	2,980,345	ZHANG, JI	2,994,336
WESTLAKE ROYAL BUILDING PRODUCTS INC.	2,917,387	ZHANG, RUOPING	3,100,941
WESTON, MELISSA CHRISTINE	3,163,489	ZHANG, XI	3,051,285
WHITE, MICHAEL WELLS	3,115,340	ZHANG, YAN	3,099,310
WILKENING, ERNST-DIETER	3,046,413	ZHANG, YINGJUN	2,994,336
WILKINSON, DANIEL JOHN PELHAM	3,021,412	ZHANG, YONGLIN	3,140,222
WILLAUER, HEATHER D.	3,030,838	ZHANG, ZHUOYA	3,140,222
WILLIAMS, DEREK M.	3,153,016	ZHAO, QIAO	3,100,941
WILLIAMS, ROLAND M.	3,154,363	ZHAO, WEI	3,124,832
WILLIAMS, SHAZAM	3,005,305	ZHEJIANG ZHUJI UNITED CHEMICALS CO., LTD.	3,140,222
WILLIS, MARK ELLIOTT	3,137,059	ZHENG, JIANHUA	3,121,402
WINOKUR, BEN	3,193,081	ZHOU, HAITAO	3,163,642
WISE, ERIC W.	3,168,343	ZHOU, JINGLAN	3,037,986
WOODLAND, BERNARD M.	3,123,019	ZHOU, JUNFENG	3,100,941
WORLDWIDE INNOVATIVE HEALTHCARE, INC.	2,862,634	ZHOU, SHUIPING	3,007,870
WORTMANN, JUERGEN	3,004,802	ZHOU, WANGYI	3,007,870
WU, GEFEI	3,145,716	ZHU, KANGYING	3,157,208
WU, XIANG	3,137,059	ZHU, QUAN	2,962,949
WU, YILIN	3,039,105	ZHU, XIUWEN	3,002,544
WU, YIR-SHYUAN	3,067,048	ZHU, YONGHONG	3,007,870
WU, ZHAO	2,976,684	ZHUANG, HONG	3,132,620
XCALIBUR MPH SWITZERLAND SA	2,947,992	ZOETIS SERVICES LLC	2,991,532
XIANG, HONGWEI	3,052,345	ZUROVCIK, DANIELLE	2,862,634
XU, JIDE	2,945,034		
XU, MINGHUI	3,051,285		
XU, XIANBO	3,140,222		
XU, XIAOYAN	3,140,222		
YAMAGUCHI, KOJI	3,135,761		
YAMAGUCHI, KOJI	3,135,768		
YAMASHITA, YUSUKE	3,009,750		
YAN, JIAN	3,084,135		
YANG, JINPING	3,012,063		
YANG, SHENGJIE	3,012,063		
YANG, SIHANG	3,131,419		
YANG, XINYE	2,994,336		
YANG, YONG	3,052,345		
YANO, TAKASHI	3,135,761		
YANO, TAKASHI	3,135,768		
YAP, MAURICE C.	2,980,345		
YEOMANS, BENJAMIN ROBERTSON	3,069,511		
YOSHIMURA, TSUTOMU	3,056,913		
YU, DIHU	3,148,367		
YU, XIAODAN	3,039,105		
YUAN, DONG	3,114,538		
YUAN, JINFANG	3,099,310		
YUAN, QINGGUO	3,163,642		
ZALIT, ILAN	2,950,373		
ZENG, HAIXIANG	3,175,174		
ZEON CORPORATION	3,056,913		
ZHANG, BEIHUA	3,039,105		
ZHANG, BEILI	3,037,986		
ZHANG, CHENGHUA	3,052,345		
ZHANG, CHUANGFENG	3,081,627		

Index of Canadian Applications Open to Public Inspection

February 18, 2024 to February 24, 2024

Index des demandes canadiennes mises à la disponibilité du public

18 février 2024 au 24 février 2024

AASEN, ERIC	3,209,289	BOGGS, REGGIE	3,210,013	CONCORDIA UNIVERSITY	3,209,834
ABERLE, STEVEN THOMAS	3,207,369	BOMBARDIER		CONKLIN, RICHARD J.	3,209,995
AHMED, SYED RAHIN	3,170,848	RECREATIONAL		CORBETT, ANDREW	3,170,772
ALECTRA UTILITIES		PRODUCTS INC.	3,209,711	CORBETT, ANDREW	3,209,800
CORPORATION		BOMBARDIER		CORNELIUS, KEVIN	
ALEX, AKHIL	3,208,020	RECREATIONAL		MICHAEL	3,209,525
ALOYS INC.	3,178,021	PRODUCTS INC.	3,209,755	COURA, HENRIQUE	
ALSIBAI, DANA	3,209,276	BOND, BRYAN	3,209,710	BARBOSA	3,208,972
AMBARTSOUMIAN,		BORHANI, BEHRAD	3,210,029	COURTNEY, MARSHA	3,210,041
GOURGEN		BOUDREAUX, TANNER	3,209,865	COYES, CORBIN	3,210,228
AMER, FARAH	3,209,627	BOULAKIA, HANNAH	3,210,029	CROWELL, JASON ALAN	3,199,028
AMMAR, MOHAMMAD	3,210,041	BOUTZIOUVIS, ANASTASIA	3,170,881	CROWLEY GOVERNMENT	
ANDOR, TOMAS	3,209,711	BOYADZHIEV, IVAYLO	3,188,628	SERVICES, INC.	3,208,812
ANDOR, TOMAS	3,209,755	BOYD, PETER	3,209,222	DANFOSS POWER	
ANDREASSEN, SEAN		BRANDIMARTE, ALEX	3,210,029	SOLUTIONS II	
MATTHEW		BRANSCOME, DOUGLAS G.	3,209,018	TECHNOLOGY A/S	3,210,017
ANGELLE, JEREMY R.	3,209,865	BRANSCOME, DOUGLAS G.	3,209,029	DE RAEMAEKER, PIETER	3,208,228
APTIOGULLARI, ERHAN	3,210,017	BRENNY, CHRISTOPHER D.	3,209,726	DEERE & COMPANY	3,199,277
ARAPOVIC, BRANKO	3,209,755	BRETT, DOUGLAS JAMES	3,190,331	DEERE & COMPANY	3,205,435
ARCTIC CAT INC.	3,193,209	BROWN, PETER	3,208,100	DESAI, BHAVESH	3,209,916
ARDENEAUX, JUSTIN	3,209,865	BRUNEAU, SAMUEL	3,209,020	DEV, ASHWANI	3,208,812
ASAHI KASEI KABUSHIKI		BUCHNER, ANDREAS	3,208,285	DINAN, ESMAEL HEJAZI	3,209,998
KAISHA		CABN CO LTD.	3,170,763	DORION, LUC	3,192,428
ASHKARIAN, JOSEPH	3,170,763	CALISKAN, OZGUR	3,210,017	DROLET, MARTIN	3,209,868
ATHAVALE, NEIL	3,208,812	CAMERON, DARREN SCOTT	3,170,736	DROLET, MARTIN	3,209,874
ATLAS COPCO AIRPOWER,		CAN, RECEP	3,210,017	DUBE-COUSINEAU, JULIEN	3,208,972
NAAMLOZE		CAREY, CHAD ARTHUR	3,199,066	DUECK, LIONEL	3,170,758
VENNOOTSCHAP	3,208,228	CAREY, CHAD ARTHUR	3,199,131	DUFRESNE, MARC-ANDRE	3,208,972
AUSPLOW PTY. LTD.	3,209,448	CASE, SCOTT EDWARD	3,209,916	EATON INTELLIGENT POWER	
AVONLEA TECHNOLOGY		CASTONGUAY-SIU, VINCENT		LIMITED	3,209,304
HOLDINGS CORP.		CYPRIEN	3,209,389	EATON INTELLIGENT POWER	
BAJAJ, NITIN	3,170,881	CEBEKI, OKAN	3,210,017	LIMITED	3,209,916
BAJNATHSINGH, REECE	3,209,627	CHALFANT, LOUIS	3,209,763	EDER, THOMAS	3,209,755
BAUCHART, GREGORY		CHANG, DONGGYU	3,203,122	EDGE MECHANICAL DESIGN	
FRANCIS LOUIS		CHARU SOFTWARE		INC.	3,170,855
BELLEMARE, JONATHAN	3,171,364	SOLUTIONS, LLC	3,210,032	EGGER, GERALD	3,208,440
BELTRAN, NOHRA	3,209,276	CHEHADE, ALI	3,209,692	ELEUTERIO SOARES	
BENDIX COMMERCIAL		CHEHADE, ALI	3,209,695	YOKOTA, LUCIANA	3,209,909
VEHICLE SYSTEMS LLC	3,209,995	CHEHADE, ALI	3,209,729	ELLISOR, KYLE MATTHEW	3,208,020
BENSON, KEVIN E. C.	3,210,080	CHEN, KEXIN	3,210,029	ENKOOM, ISSAC	3,210,048
BENTLEY, ROBERT	3,171,111	CHEN, LI-CHENG	3,202,412	ENPAL GMBH	3,210,123
BERGMANN, SEBASTIAN	3,210,034	CHEN, VICKI	3,209,733	ENRIQUEZ, ALEJANDRA	3,209,800
BERNSDORF, STEFAN	3,208,081	CHENG, ADAM	3,210,048	EPSTEIN, ADAM	3,170,881
BERRILL, ARTHUR RICHARD	3,209,733	CHINNARI, VENKATI		EYE3CONCEPTS INC.	3,170,848
BERROA GARCIA, JAVIER	3,209,312	BRAHMAM	3,210,048	FANSLOW, JARED	3,209,590
BERRYHILL, BEN	3,208,020	CHOI, ERIC	3,209,980	FAROOQ, ZEESHAN	3,172,372
BERTRAND, PIERRE	3,210,068	CHOI, SUNG HYEOK	3,178,021	FECHTING, PIERRE	3,208,786
BETAPACK, S.A.U.	3,209,312	CHOPP, ALEX	3,209,617	FERNANDES, JASON	3,209,977
BHARATHULWAR, SHRAVAN	3,210,080	CHROMIK, RICHARD	3,209,834	FILIPPOV, ALEXEY	
BISEK, AARON J.	3,209,018	CHUNG, REBECCA	3,210,080	KONSTANTINOVICH	3,209,998
BISEK, AARON J.	3,209,029	CLIFF, CHRISTOPHER	3,209,276	FLINKS TECHNOLOGY INC.	3,208,972
BLADES, SAMUEL CARL		COGAN, COGIE	3,209,733	FOISY, DANIEL GILLES	3,209,733
WILLIAM	3,208,895	COLWELL, JOSEPH	3,209,759	FRANCIS, ROGER N. A.	3,209,710
BLOOMER, TODD	3,209,893	COMCAST CABLE		FRANK'S INTERNATIONAL,	
BLUEBEAM, INC.	3,209,894	COMMUNICATIONS, LLC	3,209,998	LLC	3,209,865

Index of Canadian Applications Open to Public Inspection
February 18, 2024 to February 24, 2024

FRANTZ DESIGN INCORPORATED	3,199,188	JEFFERS, JORDAN	3,209,592	MACKAY, JAMES GEORGE	3,170,736
FRANTZ, DONALD E.	3,199,188	JENNI, STEFAN	3,208,081	MAH, HOWARD	3,209,460
FRANTZ, JOSEPH LEE	3,199,188	JEUNET, CYRIL	3,208,440	MAH, HOWARD	3,209,487
FREDRICKSON, KEN R.	3,193,209	JIANG, XUDONG	3,170,758	MAKINO, YOSHIYASU	3,209,788
FRYER, MICHAEL	3,209,710	JOHNSTON, MADELYN	3,210,029	MAKOWIEC, MARY	3,209,834
FUSUS, INC.	3,209,315	JONES, ROBERT	3,208,081	MANDAPAKA, BHASKAR	3,208,812
GALLO, VINCENT	3,171,040	JOY GLOBAL SURFACE MINING INC	3,209,759	MARTIN, ROBERT W.	3,205,435
GATTA, GABRIELE	3,209,862	JULIUS ZORN INC.	3,209,528	MASTIKHIN, IGOR V.	3,209,683
GEMBALI, KISHOR	3,209,980	KAGA, HIDEAKI	3,209,788	MATELIC, JAKE	3,209,617
GERICS, IAN	3,191,509	KAGEDAN, AHARON	3,209,977	MATHUR, ANISHA	3,210,048
GHATTAS, ANDREW	3,209,222	KAGI, THOMAS	3,208,081	MB COMPANIES, LLC	3,210,236
GHERKE, KYLE	3,209,726	KANE, ELODIE	3,215,911	MCGROTTY, RYAN JAMES	3,210,004
GISSI, SAMUEL	3,208,440	KANG, DONGWOO	3,210,029	MCGROTTY, RYAN JAMES	3,210,012
GOHL, RUSSELL R.	3,178,430	KANG, SING BING	3,188,628	MCILVEEN, KATIE	3,208,100
GOMES, STEVE MIKE	3,171,068	KANG, TAEGEUN	3,203,122	MCISAAC, HANNAH	3,209,276
GOMEZ CARDOSO, ANA	3,170,848	KHANDROS, MARAT	3,215,911	MEGGITT SA	3,208,440
GONCALVES, KELLY	3,209,276	KIM, JINYOUNG	3,203,122	MEIKLE, NATASHA	3,210,041
GORI, MICHAEL	3,199,028	KIM, KYUNG HUN	3,178,021	MENEBOO, ALEXANDRE	
GOVER, CHRISTOPHER	3,209,622	KIM, RAIDEN JAY	3,209,530	ALAIN JEAN-PIERRE	3,209,692
GRANA, DANIEL	3,208,972	KINDL, ROBERT	3,209,755	MENG, CHURAN	3,170,956
GREER, JULIE	3,209,800	KLABA, HENRYK	3,209,695	MERCHANT, MOHAMMEDALI	3,209,649
GROSS, RYAN MICHAEL	3,209,592	KLABA, HENRYK	3,209,729	MERCURE, BENJAMIN	
GROVER, SHREY	3,210,080	KOSHETOVA, FAINA	3,210,235	NICKOLAS	3,193,209
GUDIPATI, VENKATA AJARESH	3,209,330	KRISHNASAMY, SOWRIRAJA	3,209,460	MFTB HOLDCO, INC.	3,188,628
GUO, LAN FENG	3,170,894	KRISHNASAMY, SOWRIRAJA	3,209,487	MICHALAGAS, DEAN-	
GUPTA, PAYAS	3,209,649	KRITZINGER, THOMAS	3,209,711	ANDREW	3,209,460
GUPTA, SANJAY	3,209,389	KRITZINGER, THOMAS	3,209,755	MICHALAGAS, DEAN-	
HAHS, RALF	3,210,034	KRONEgger, MARKUS	3,209,711	ANDREW	3,209,487
HALESH, SUJINA BHADRAVATHI	3,209,977	KUNHIRAMAN, SMIJITH	3,209,834	MIGLANI, PARTH	3,215,911
HAMILTON SUNDSTRAND CORPORATION	3,206,773	KURUVILLA, OUSEF	3,208,812	MIKI, YUKI	3,209,503
HAN, DONG WOO	3,171,348	KWAK, CHRISTINE	3,210,093	MILES, CURTIS	3,170,881
HARBAUGH, SHAWN RENEE	3,209,592	LACEY, GARRET	3,215,911	MITEL NETWORKS	
HARI, ROBBIE SINGH	3,210,228	LAM, CHAI	3,209,627	CORPORATION	3,209,330
HARIPAUL-SINGH, AMY	3,170,964	LANDRY, JEAN-PHILIPPE	3,209,276	MOHANDAS, ANOOP	3,208,812
HARMON, ANDREW W.	3,199,277	LAROSE, JOEL	3,209,020	MONTGOMERY, JOHN	3,210,236
HASAN, ABBAS	3,209,909	LATITUDE HEALTH TECHNOLOGIES PTY LIMITED	3,209,865	MOORTHY, VINAY	3,209,894
HEPLER, CAREY	3,208,812	LATITUDE OUTDOORS, LLC	3,209,733	MOREAU, CHRISTIAN	3,209,834
HESS GROUP GMBH	3,210,034	LAW, PO LUN	3,210,012	MORTAGE, HAMZA	3,170,881
HIBBERTS, JOHN	3,210,004	LAZAR, JASON	3,171,068	MUCO, RECEP	3,210,017
HNAYNO, MOHAMAD	3,209,695	LEACH, KEVIN	3,209,617	MUHLBAUER, THOMAS	3,208,786
HNAYNO, MOHAMAD	3,209,729	LEAFFILTER NORTH, LLC	3,209,865	MULLINS, CHANCE RAY	3,208,020
HOCHMAYR, MARKUS	3,209,755	LEBEL, SIMON-PIERRE	3,209,733	MULTANI, EKJOT	3,210,048
HOCKMAYR, MARKUS	3,209,711	LECHNER, SIEGFRIED	3,210,235	MUTHU VEERAMANI, VEERA	
HOLM, ALEC MICHAEL	3,209,525	LEE, CLAIRE	3,209,617	RAGHAVAN	3,210,080
HON, JEFF S.	3,209,726	LEE, JAE MIN	3,199,028	NAGPAL, SHIVAM	3,215,911
HUNG, KAITLYN	3,209,980	LEGault, Michel	3,208,972	NANDAKUMAR, HARIISH	3,209,276
HYDRO-QUEBEC	3,171,364	LEGRAND, ARTHUR	3,209,528	NATURAL ALTERNATIVES,	
IAKOVENKO, VIKTOR	3,210,029	LIET, ROBERT JAN	3,208,972	LLC	3,209,893
IBEN BRAHIM, YAHYA	3,171,364	LIM, ETHAN	3,208,811	NAVICO, INC.	3,209,862
INDUSTRIAL VACUUM TRANSFER SERVICES USA, LLC	3,210,013	LINCZ, RONALD OTTO	3,209,894	NEUFELD, HERMAN REMPEL	3,209,275
ISHIGAKI COMPANY LIMITED	3,207,720	LINDAUER, CHRISTOPH	3,210,235	NEWBERG, STEVEN	3,208,020
IVANKOVIC, MILOS	3,208,539	LITTLE, DANA	3,209,980	ZACHARY	3,210,029
J.J. MACKAY CANADA LIMITED	3,170,736	LIVE EDGE DESIGN INC.	3,208,100	NGUYEN, BRIAN	
JACOBS, JENNY L.	3,209,592	LIVINGSTON, JIMMY	3,209,432	NGUYEN, HUY	3,209,530
JAISWAL, VISHAL RAKESH JANG, JUNGSUE	3,209,977	LOGANATHAN, VENKATESH	3,209,977	NIJJAR, CHANVIR SINGH	3,210,080
	3,203,122	LORE, JOHN	3,208,100	NOVEK, ETHAN JOSEPH	3,209,981
		LOVELL, BRETT FORBES	3,209,448	NUHN INDUSTRIES LTD.	3,208,388
		LOVINGS, RICK	3,209,592	NUHN, IAN	3,208,388
		LUTGRING, KEITH	3,209,865	NUNHEMS B.V.	3,171,041
		MACDONALD, MYLES	3,209,733	NUNHEMS B.V.	3,209,294
				NUVATE INC.	3,209,421
				O'NEIL, ADRIAN IGNATIUS	3,170,736
				OGHBAEE, AMIRREZA	3,215,911

Index des demandes canadiennes mises à la disponibilité du public

18 février 2024 au 24 février 2024

OIL STATES ENERGY SERVICES, L.L.C.	3,209,432	PROVA, ANIKA RACINE RAILROAD PRODUCTS, INC.	3,215,911	SHENZHEN VERDEWELL TECHNOLOGY LIMITED	3,208,218
OILIFY NEW-TECH SOLUTIONS INC.	3,210,228	RAGOGNA, ROBERT RAHEJA, CHARU G.	3,209,726	SHENZHEN VERDEWELL TECHNOLOGY LIMITED	3,208,220
OLSON, MATTHEW	3,170,758	RAHEJA, RAVI K.	3,210,032	SHERMAN, MATTHEW	3,209,977
OMER, ALA ELDIN	3,209,906	RAJABZADEH, AMIN REZA	3,210,032	SHIBAKAWA, YUSUKE	3,207,720
ORPYX MEDICAL TECHNOLOGIES INC.	3,208,895	RANSON, ROBERT RANZMEYER, JOACHIM HERI	3,170,848	SHIM, JAEHA SHMUKLER, MARK I.	3,203,122
ORPYX MEDICAL TECHNOLOGIES INC.	3,209,389	RASALINGAM, LAUREN REEHAL, RANVEER	3,191,245	SHOPIFY INC. SIAN, JEEVAN	3,192,516
ORTEGA RODRIGUEZ, GRETER AMELIA	3,170,848	REESE, ROBERT J.	3,170,881	SIEMENS INDUSTRY, INC.	3,209,530
OSMAK, MARK S.	3,209,726	REGAN, MARC REGMI, SHASHWAT	3,209,304	SINTOKOGIO, LTD.	3,209,788
OSTASZEWSKI, ALEXANDRA	3,170,772	REP FITNESS, LLC	3,208,790	SIROIS, FREDERIC	3,171,364
OSTASZEWSKI, ALEXANDRA	3,209,800	REP FITNESS, LLC	3,209,977	SIXRING INC.	3,170,772
OUHIB, SAID	3,224,777	REZAEE, MILAD RIABOVA, VALERIE	3,210,004	SIXRING INC.	3,209,800
OVH	3,209,692	RICHARD, HUGO RILEY, MATTHEW ERIC, SR.	3,210,012	SMITH'S CONSUMER PRODUCTS, INC.	3,209,763
OVH	3,209,695	ROBINSON, DAVID A.	3,209,627	SMITH, JESSE	3,209,315
OVH	3,209,729	ROHIRRIM, INC.	3,209,980	SOBERANIS, DIEGO	3,208,972
PADHIAR, SAKSHI	3,209,909	ROMAN, JAMISON K.	3,209,020	SOJKA, DANIEL M.	3,209,726
PALMER, MICHAEL	3,209,977	ROSEMOUNT AEROSPACE INC.	3,209,592	SONIFI SOLUTIONS, INC.	3,209,289
PANCHANGAM, SHASHANK	3,208,812	ROUX, DANIEL ROY, AMIT	3,209,315	SPATZENEGGER, ROLAND	3,209,711
PANKRATZ, STEPHEN	3,209,421	ROYAL BANK OF CANADA	3,209,790	SPATZENEGGER, ROLAND	3,209,755
PARASURAMAN, KIRK	3,170,964	ROYAL BANK OF CANADA	3,207,369	SPEAR, SARAH	3,210,029
PARSEHILL RENEWABLES LLC	3,209,981	ROYAL BANK OF CANADA	3,171,364	SPILLMANN, MARKUS	3,208,786
PAULSON, JAMES E.	3,209,699	ROYAL BANK OF CANADA	3,171,040	SRINIVASAN, SESHASAI	3,170,848
PAULSON, PETER O.	3,209,699	ROYAL BANK OF CANADA	3,209,834	STADLER RAIL AG	3,208,081
PAWAR, PRATIK N.	3,209,916	ROYAL BANK OF CANADA	3,191,509	STADLER RAIL AG	3,208,285
PAWLAK, JAY MARTIN	3,209,525	ROYAL BANK OF CANADA	3,209,276	STADLER RAIL AG	3,208,786
PAXTON, MELISSA LYNNE	3,209,733	ROYAL BANK OF CANADA	3,209,627	STADLER RAIL AG	3,171,469
PEKALA, PAWEŁ J.	3,209,726	ROYAL BANK OF CANADA	3,209,733	STANKOVIC, BRANKO	3,209,289
PENNER, ERIC M.	3,188,628	ROYAL BANK OF CANADA	3,209,909	STOEL, LEON P.	3,209,834
PEPLINSKI, JACK	3,209,909	ROYAL BANK OF CANADA	3,209,977	STOYANOV, PANTCHO	3,209,980
PHELPS, PHILLIP R.	3,209,432	ROYAL BANK OF CANADA	3,209,980	STRANKMAN, DAINA	3,170,855
PINDROP SECURITY, INC.	3,209,649	ROYAL BANK OF CANADA	3,210,029	SUELmann, JOS	3,171,041
PIZER, SAMUEL M.	3,210,004	ROYAL BANK OF CANADA	3,210,041	SUELmann, JOS	3,209,294
PIZER, SAMUEL M.	3,210,012	ROYAL BANK OF CANADA	3,210,048	SUSEVSKI, ANTHONY	3,209,020
PLUFORD, JOSHUA H.	3,209,289	ROYAL BANK OF CANADA	3,210,080	SUTER, FABIAN	3,208,081
POGONKA, DENNIS	3,210,123	ROYAL BANK OF CANADA	3,210,235	TAIGA MOTORS INC.	
POLYVALOR S.E.C.	3,171,364	ROYAL BANK OF CANADA	3,215,911	THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY	
POONAWALA, SHABBIR	3,210,048	RUFITSKIY, VASILY ALEXEEVICH	3,209,998	THE TORONTO-DOMINION BANK	3,209,834
PORCIELLO, JESSICA MARIE	3,171,348	RYAN, JOHN WILLIAM SAFETY TECHNOLOGIES, INC.	3,209,448	THE TORONTO-DOMINION BANK	3,171,348
PRATT & WHITNEY CANADA CORP.	3,208,539	SAMSUNG SDI CO., LTD.	3,209,590	THE TORONTO-DOMINION BANK	
PRATT & WHITNEY CANADA CORP.	3,209,222	SANDVINE CORPORATION	3,203,122	THE TORONTO-DOMINION BANK	
PRATT & WHITNEY CANADA CORP.	3,209,460	SAPONJA, JEFFREY CHARLES SATHE, NEETIKA	3,210,093	THE TORONTO-DOMINION BANK	3,172,372
PRATT & WHITNEY CANADA CORP.	3,209,487	SATI, ELENA SCHERNERHORN, NATHAN	3,210,228	THE TORONTO-DOMINION BANK	
PRATT & WHITNEY CANADA CORP.	3,209,622	SCHMID, BEAT SCHWEITZER, JEREMIAH	3,170,881	THE UNIVERSITY OF NEW BRUNSWICK	
PRATT & WHITNEY CANADA CORP.	3,209,710	SECURPLUS SOLUTIONS INC.	3,170,926	THE AGUS SURYANA THERIO INNOVATION INC.	
PRATT & WHITNEY CANADA CORP.	3,209,834	SELBY, WILLIAM SERRAO, MAIZIEL	3,171,040	THEIRIAULT, BERNARD THIBODEAUX, ROBERT L.	
PRATT & WHITNEY CANADA CORP.	3,209,868	SESENNNA, ROBERTO SHAH, MANISH	3,209,683	THOELE, JODY ANN THOMAS, JASON PETER	
PRATT & WHITNEY CANADA CORP.	3,209,874	SHAKER, GEORGE SHARIFI, NAVID	3,210,041	THOMAS, RANDALL EARL THOMAS, RYAN	
PRATT & WHITNEY CANADA CORP.	3,210,068	SHARMA, AKRASH SHARMA, ARJUN	3,209,862	THOMASSIN, JEAN TIAN, YIXIN	
PROTSMAN, MASON C.	3,209,315		3,209,977	TITUS, SOLOMON R.	3,209,733

Index of Canadian Applications Open to Public Inspection
February 18, 2024 to February 24, 2024

TIWARI, ABHINAV	3,170,881	ZAUNER, ALEX	3,209,711
TOH, CHEE WEE	3,208,081	ZHEJIANG DOSOLY	
TOMMASI, ORESTE	3,209,862	MECHANICAL AND	
TOTHFALUSI, ALEXANDER	3,205,821	ELECTRICAL	
TRAMEC, L.L.C.	3,209,525	TECHNOLOGY CO., LTD.	3,209,904
TRIOLIET B.V.	3,208,811	ZIMMER, INC.	3,209,018
TRIPATHI, AMIT KUMAR	3,206,773	ZIMMER, INC.	3,209,029
TRISCHLER, CORY	3,209,018	ZUNGHAMMER, MICHAEL	3,209,711
TRISCHLER, CORY	3,209,029	ZUNGHAMMER, MICHAEL	3,209,755
TSCHENG, JORGEN	3,208,786		
TUMMINARO, ROBERT			
FRANK	3,209,525		
TUSTANIC, MIA	3,210,041		
VAPOR OIL TECHNOLOGY			
LLC	3,199,066		
VAPOR OIL TECHNOLOGY			
LLC	3,199,131		
VELICOVER, LIOR	3,209,977		
VERBEEK, ANDY	3,171,040		
VIGEN, DAVID LARRY	3,193,209		
VILTRES COBAS, HERLYS	3,170,848		
VOLLE, MICHAEL	3,209,759		
VULCAN INDUSTRIAL			
HOLDINGS, LLC	3,208,020		
WADHWANI, VIVEK	3,210,235		
WAESSE, JAMIE	3,192,516		
WAGNIERE, MARC	3,208,081		
WANG, SHU	3,210,048		
WANG, YIYAO	3,209,904		
WATT, GRAHAM			
ALEXANDER	3,209,733		
WEBER, MARKUS	3,208,081		
WEBER, MATTHEW	3,209,865		
WEBER, MIKE J.	3,191,509		
WEISSENBERGER, MARKUS	3,170,772		
WEISSENBERGER, MARKUS	3,209,800		
WEST, ROBERT	3,209,460		
WEST, ROBERT	3,209,487		
WEZOREK, JOSEPH W.	3,209,894		
WILDBERGER, MARTIN	3,209,977		
WILLIAMS, DAVID	3,208,081		
WILLIAMS, TREVOR	3,171,040		
WILSON, VANESSA MARIE	3,209,018		
WOLFL, CHRIS	3,208,812		
WOODS, TIMOTHY J.	3,170,035		
WURM, JOHANNES	3,209,711		
WYATT, JACKSON	3,170,763		
WYNNYK, KYLE G.	3,170,772		
WYNNYK, KYLE G.	3,209,800		
XIE, JU	3,208,218		
XIE, JU	3,208,220		
XU, GAOYANG	3,209,904		
YABRER, PUSHPAK	3,209,916		
YAMADA, TATSUYA	3,209,788		
YANG, GUANG	3,209,530		
YANT, JOANN C.	3,209,592		
YAVUZYILMAZ, SAMED	3,210,123		
YELLOWBIRD PRODUCTS			
LTD.	3,209,699		
YIH TROUN ENTERPRISE CO.,			
LTD.	3,202,412		
YIN, GERI	3,170,881		
YIN, RUZHONG	3,209,904		
ZACHARIA, SHIJU	3,208,812		

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

-, HANDOKO	3,229,539	AMETOVSKI, JHI	3,229,299	ASMUS, ELISABETH	3,229,299
3X ENGINEERING	3,228,955	AMGEN INC.	3,229,375	ASSA ABLOY ENTRANCE	
ABAYEE KALIYAPERUMAL,		AMGEN INC.	3,229,756	SYSTEMS AB	3,229,278
SRINIVASAN	3,229,559	AMIOT, LOUIS-PHILIPPE	3,229,379	ASSA ABLOY ENTRANCE	
ABEYRATHNA, NAWODI	3,229,669	AMOAKO, DERRICK BRIAN	3,229,777	SYSTEMS AB	3,229,311
ABRAHAMSSON, JOHAN	3,229,699	AMPLIFICA, INC.	3,229,567	ASTREA UK SERVICES	
ABUS AUGUST BREMICKER		ANAGRAM THERAPEUTICS,		LIMITED	3,229,414
SOHNE KG	3,229,126	INC.	3,229,221	ATHANE, AXEL	3,229,695
ACTINIUM		ANALYTICS FOR LIFE INC.	3,229,090	ATHLEY, FREDRIK	3,229,578
PHARMACEUTICALS,	3,229,287	ANALYTICS FOR LIFE INC.	3,229,092	ATLANTIC SIGNAL, LLC	3,229,584
INC.		ANALYTICS FOR LIFE INC.	3,229,098	ATTALLAH, MOATAZ	
ADACHI, KAORU	3,229,401	ANALYTICS FOR LIFE INC.	3,229,112	MOHAMMAD MAHMOUD	3,229,743
ADALSA LIMITED	3,229,506	ANDERSON, CARLTON	3,229,737	AUSTIN, ABIN	3,229,515
ADAM, MOTAZ	3,174,160	ANDERSON, DEAN B.	3,229,196	AVENDANO, CALEB	3,229,171
ADAMA AUSTRALIA PTY		ANDERSON, LAUREN	3,229,472	AVENDANO, XAVIER	3,229,171
LIMITED	3,229,693	ANDERSON, LAUREN	3,229,473	AVILES, BRYAN	3,229,695
ADER, MAX EPHRAIM	3,229,520	ANDRES, BRIAN DAVID	3,229,370	AVM BIOTECHNOLOGY, LLC	3,229,529
ADERMANN, STANLEY		ANIM-DANSO, EMMANUEL	3,229,557	AXELSEN, AMALIE MELTON	3,229,804
WILLIAM	3,229,454	ANTONUCCI, JOSEPH B.	3,229,425	AYME, GABRIEL	3,229,444
ADICET THERAPEUTICS, INC.	3,229,705	ANTONUCCI, JOSEPH G.	3,229,425	AZIZGOLSHANI, HESHAM	3,229,565
ADNERHILL, INGVAR	3,229,594	ANTONUCCI, PHILIP J.	3,229,425	AZOITEI, MIHAI	3,229,447
AFRICAN RAINBOW		APE8 S.R.L.	3,229,352	BACCHETTA, MATTHEW	3,229,292
MINERALS PLATINUM		AQUISENSE TECHNOLOGIES		BACH, DU JIN	3,229,340
(PTY) LTD.	3,229,446	LLC	3,229,283	BACH, DU JIN	3,229,344
AGUAYO, FRANCISCO	3,229,673	ARAUJO, JOSEPH A.	3,229,358	BACKFOLK, KAJ	3,229,482
AGURA, KATSUHIDE	3,229,530	ARAUJO, JOSEPH A.	3,229,359	BACKLER, MATTHEW	3,229,514
AGURA, KATSUHIDE	3,229,535	ARAUJO, JOSEPH A.	3,229,361	BAGGER, MORTEN	3,229,704
AHNOFF, MARTIN	3,229,733	ARC MEDICAL INC.	3,229,366	BAILI-BIO(CHENGDU)	
AHTIAINEN, JOUNI	3,229,677	ARCELORMITTAL	3,229,159	PHARMACEUTICAL CO.,	
AIR SUPPLIES HOLLAND B.V.	3,229,585	ARCELORMITTAL	3,229,396	LTD.	3,229,160
AKAGI, TAKUMA	3,229,619	ARCELORMITTAL	3,229,411	BAILLARGEON, LOUIS-	
AKAMINE, HIROKI	3,229,750	ARGUBI-WOLLESEN,		PHILIPPE	3,229,186
AKESO BIOPHARMA, INC.	3,229,166	ANDREAS	3,229,230	BAKER HUGHES OILFIELD	
AKHTAR, FAHEEM HASSAN	3,229,321	ARGUBI-WOLLESEN,		OPERATIONS LLC	3,229,475
AKIYOSHI, KAZUNARI	3,229,245	ANDREAS	3,229,237	BAKSHI, AKHILESH	3,229,799
AKTAS, UMIT RUSEN	3,229,180	ARIES CLEAN		BALA, HARRY	3,229,173
AKWABOAH, DANIEL	3,229,284	TECHNOLOGIES LLC	3,229,451	BALOW, GREG M.	3,229,682
AL-HAJ ALI, MOHAMMAD	3,229,201	ARKHIPOVA, VALERIYA	3,229,149	BANCELIN, MATHIEU	3,229,611
ALAM, RAUFUL	3,229,539	ARMSTRONG WORLD		BANCELIN, MATHIEU	3,229,612
ALBERSON, DEAN CLINTON	3,228,899	INDUSTRIES, INC.	3,229,691	BANCELIN, MATHIEU	3,229,614
ALCERU SCHWARZA GMBH	3,229,189	ARNELL, ROBERT	3,229,734	BANCELIN, MATHIEU	3,229,616
ALCON INC.	3,229,651	ARNORSSON, ULFAR KARL	3,229,246	BANDO, MIKIO	3,229,333
ALEXIOU, AYSE ASATEKIN	3,229,317	ARREDONDO, ABEL	3,229,417	BANDYOPADHYAY, ABIRA	3,229,542
ALEXOPOULOS, SOPHOCLIS	3,229,292	ARRIS ENTERPRISES LLC	3,229,183	BAO, XINNING	3,229,701
ALGUERA, JOSE MANUEL	3,229,134	ARRIS ENTERPRISES LLC	3,229,256	BAOSHAN IRON & STEEL CO.,	
ALLSOPP, ROSS	3,229,269	ARSLAN ULKER, FATMA	3,229,197	LTD.	3,229,639
ALMOMANI, NEDAL	3,229,382	ARTHREX, INC.	3,229,786	BARAHONA OVIEDO,	
ALTINOK, SIBEL	3,229,197	ARTHROSI THERAPEUTICS,		CECILIO	3,229,392
ALTSHULER, GREGORY	3,229,149	INC.	3,229,692	BARBER, DAVID MICHAEL	3,229,298
ALVIZO, OSCAR	3,229,280	ARVIK, TOREY	3,229,785	BARBER, DAVID MICHAEL	3,229,299
AMBLER, HARRY	3,229,532	AS AMERICA, INC.	3,229,350	BARDROFF, MICHAEL	3,229,746
AMERICAN HYPERFORM,		AS AMERICA, INC.		BARGURY, MICHAEL ZEEV	3,229,272
INC.	3,229,570	ASBACH, BENEDIKT	3,229,807	BARNES, PHILIP	3,229,161
AMERICAN STERILIZER		ASCENDIS PHARMA A/S	3,229,203	BARNES, PHILIP	3,229,168
COMPANY	3,229,173	ASCHER, BENJAMIN	3,229,417	BARRAZA, SCOTT J.	3,229,539
AMETOVSKI, JHI	3,229,298	ASMUS, ELISABETH	3,229,348	BARRETT, JON ROBERT	3,229,541
			3,229,298		

Index of PCT Applications Entering the National Phase

BARROW, ROBERT	3,229,158	BHAT, ARUN	3,229,705	BOULET D'AURIA,	
BARTH-MARON, GABRIEL	3,229,296	BHER MINERALS, LLC	3,229,219	STANISLAS	3,228,955
BARTON, WILLIAM R.S.	3,229,306	BI, JUANJUAN	3,228,912	BOURGEAIS-BOON, EVA	3,229,179
BARTON, WILLIAM R.S.	3,229,308	BIALUCHA, ULI	3,229,448	BOURQUARD, FLORENT	3,228,902
BARTON, WILLIAM R.S.	3,229,332	BICKER, KEVIN LEE	3,229,500	BOUTIN, KEVEN	3,223,068
BASF COATINGS GMBH	3,229,782	BIESBROCK, AARON REED	3,229,223	BOUTROS, PAUL C.	3,229,527
BASF COATINGS GMBH	3,229,784	BIESBROCK, AARON REED	3,229,228	BOUYSSOU, THIERRY	3,229,735
BASF SE	3,229,431	BIEZUNER, TAMIR	3,229,172	BOWFLEX INC.	3,229,671
BASF SE	3,229,433	BIGIO, JACK (TATO)	3,229,687	BOWFLEX INC.	3,229,684
BASF SE	3,229,464	BIGIO, JACK (TATO)	3,229,689	BOYD, THOMAS	3,229,423
BASF SE	3,229,466	BIJELICH, MICHAEL	3,229,187	BOZLER, STEFAN	3,229,236
BASF SE	3,229,791	BIOGRAPH 55, INC.	3,229,824	BRABEK, JAN	3,229,700
BASKA, PHILIPPE	3,229,066	BIOVERATIV THERAPEUTICS		BRACKE, LIEVEN	3,229,159
BATOG, MACIEJ	3,229,676	INC.	3,229,345	BRACKE, LIEVEN	3,229,396
BATTLES, MICHAEL	3,229,448	BIOVERATIV THERAPEUTICS		BRACKENRIDGE, SIMON	3,229,447
BAUDOUIN, STANISLAS	3,229,745	INC.	3,229,668	BRAINTALE	3,229,337
BAUER, RALPH	3,229,525	BIRLA CARBON U.S.A., INC.	3,229,813	BRAJER, DOUGLAS G.	3,229,525
BAUMGARTE, JOSEPH W.	3,229,572	BISHOP, COREY	3,229,756	BRANHAM, KELLY D.	3,229,557
BAYER		BITDEFENDER IPR		BRASKEM SA	3,229,234
AKTIENGESELLSCHAFT	3,229,298	MANAGEMENT LTD	3,229,354	BRASKEM SA	3,229,235
BAYER		BIZLINK ELOCAB LTD.	3,229,376	BREYER, MATTHEW D.	3,229,430
AKTIENGESELLSCHAFT	3,229,299	BJORNDALH, TRENT	3,229,494	BRGOCH, JAKOAH	3,229,533
BAYER		BL TECHNOLOGIES INC.	3,229,633	BRION, LEILA	3,229,672
AKTIENGESELLSCHAFT	3,229,418	BLACK DIAMOND		BRITO, KARIN JANETE STEIN	3,229,235
BEADLE, KRISTIN A.	3,229,684	THERAPEUTICS, INC.	3,229,293	BRONDUM, SEBASTIAN SVEN	3,229,804
BEAGLEY, JEREMIAH R.	3,229,518	BLACK, STEVE	3,229,671	BROOK, JOHNATHON	3,229,452
BEASLEY, MATTHEW	3,229,790	BLANN, KEVIN	3,229,599	BROS HOLDING APS	3,229,716
BEAULIEU, MALIA	3,229,318	BLANN, KEVIN	3,229,603	BROUILLETTE, YVES	3,229,468
BECARE LINK LLC	3,229,714	BLOCH, NICOLIN	3,229,369	BROWN, ALEX	3,229,200
BECKER, VINCENT	3,229,738	BLUE PRISM LIMITED	3,229,180	BROWN, ANNE KATHRYN	3,229,285
BEHNIA-WILLISON, FARIBA	3,229,586	BLUE-O TECHNOLOGY INC.	3,229,163	BROWN, MARK ANTHONY	3,229,771
BEJCEK, LAUREN	3,229,539	BLUENEWABLES SL	3,229,392	BRUBACHER, ADRIAN	3,229,192
BELL, JOSHUA DAVID	3,228,735	BLUHMKI, ERICH	3,229,424	BRUCE, JACOB	3,229,296
BELMONTE, ISRAEL	3,229,762	BLUMREITER, JULIE	3,229,675	BRUEN, THOMAS	3,229,742
BELVAC PRODUCTION		BMIC LLC	3,229,546	BRUNNER, ELIZABETH	3,229,737
MACHINERY, INC.	3,229,167	BNSF RAILWAY COMPANY	3,229,174	BRUYERE, STEPHANIE	3,228,902
BELVAC PRODUCTION		BOEHM, MATTHEW JOHN	3,229,370	BRYANT, HAROLD	3,229,669
MACHINERY, INC.	3,229,175	BOEHRINGER INGELHEIM		BS BIOTECHNA SPOLKA	
BELVAC PRODUCTION		INTERNATIONAL GMBH	3,229,424	AKCYJNA	3,229,288
MACHINERY, INC.	3,229,182	BOEHRINGER INGELHEIM		BUDDE, LEON	3,229,538
BELVAC PRODUCTION		INTERNATIONAL GMBH	3,229,735	BUDHATHOKI, MAHESH	3,229,633
MACHINERY, INC.	3,229,667	BOEHRINGER INGELHEIM		BUDIDETI, SHANKAR REDDY	3,229,559
BEN JEHUDA, RONEN	3,229,520	VETMEDICA GMBH	3,229,258	BUI, LYNN	3,229,276
BEN JEHUDA, RONEN	3,229,526	BOGGS, DANIEL R.	3,229,810	BUNKLEY, JACOB	3,229,174
BEN YOSEF SHUSTER, VERED	3,229,460	BOLBOCEANU, M'D'LINA	3,229,354	BUNNIK, EDWIN	3,229,243
BEN-ADERET, YOSSI	3,229,260	BOLLENBACH-WAHL, BIRGIT	3,229,298	BURCEANU, ELENA	3,229,354
BENDER, LUKE	3,229,289	BOLLENBACH-WAHL, BIRGIT	3,229,299	BURGESS, TIMOTHY	3,229,793
BENDER, SHARON	3,229,472	BOLT MEDICAL, INC.	3,229,694	BURGHARD, FLORIAN	3,229,390
BENDER, SHARON	3,229,473	BOMSZTYK, KAROL	3,229,643	BURHAN, MUHAMMAD	3,229,321
BENDER, SHARON	3,229,478	BON, THIERRY	3,229,544	BURK, MARTIN	3,229,126
BENSON, BRYAN	3,229,557	BONDARENKO, DAVID JOHN	3,229,584	BURKE, JEFF ALAN	3,229,425
BERENS, TYLER	3,229,289	BONY, PIERRE-YVES	3,229,264	BURKERT, OLIVER	3,229,424
BERISTANY, VICTOR	3,229,759	BOOK, OLOF	3,229,594	BURKHARDT, DAVID	3,229,331
BERKOVICH, ELIJAHU	3,229,117	BOREALIS AG	3,229,201	BURKHART, BRANDON	3,229,747
BERNACKI, JOSEPH PETER	3,229,756	BORRA-GARSKE, MARGIE		BURKHOLZ, JON K.	3,229,550
BERRY, CARSON JAMES	3,229,598	TABUGA	3,229,280	BURLING AGED CARE	
BERTAS, ANTHONY J.	3,229,194	BORROTO, ALEJANDRO	3,228,902	SOLUTIONS PTY LTD	3,229,548
BERTHERAT, MARC	3,229,205	BOSE, ASHIM	3,229,562	BURLING, ANTHONY	3,229,548
BERTHERAT, MARC	3,229,207	BOSE, ASHIM	3,229,564	BURLING, TRACY	3,229,548
BETZLER, JEROMY M.	3,229,760	BOTANICAL EXTRACTION		BURT II, RONDELL ERVIN	3,229,541
BEUSCHER, UWE	3,229,721	SOLVENT FREE LTD.	3,228,735	BURTON, TIMOTHY WILLIAM	
BEYERSDORF, NIKLAS	3,229,645	BOTTCHER-REBMANN,		FAWCETT	3,229,090
BHASKAR, AJAY		GEORG	3,229,538	BURTON, TIMOTHY WILLIAM	
RAJESHWAR	3,229,777	BOUKHERROUB, RABA	3,229,708	FAWCETT	3,229,112

Index des demandes PCT entrant en phase nationale

BUSCAGLIA, ALEXANDER CARLO	3,229,200	CHEN, QIAN CHEN, SHUHUI	3,229,321 3,229,524	COCHRAN, BROOKE MICHELE	3,229,767
BUXADEV FORTUNY, MARIA	3,229,343	CHEN, SIYE	3,229,688	COCHRAN, BROOKE	3,229,770
BYUN, HYUN JUNG	3,209,866	CHEN, WEI	3,228,912	MICHELE	3,229,770
CADY, ROGER K.	3,229,737	CHEN, WEI	3,229,467	COCHRAN, BROOKE	3,229,771
CAGNAC, OLIVIER	3,229,695	CHEN, YANG	3,229,156	MICHELE	3,229,771
CAI, BIAO	3,229,743	CHENG, FENGCHANG	3,229,800	COCHRAN, BROOKE	3,229,773
CALICO LIFE SCIENCES LLC	3,229,202	CHENG, TAO	3,229,769	MICHELE	3,229,773
CALIENDO, GUY P.	3,229,196	CHENG, XINFAN	3,229,360	COCHRAN, BROOKE	3,229,773
CAMPAU, ZACHARY RICHARD	3,229,546	CHERI-ZECOTE, EDDY	3,229,240	MICHELE	3,229,776
CAMPBELL, DONALD H.	3,229,784	CHERMYANIN, ALEXANDER	3,229,304	COCKING, RYAN	3,229,456
CAMPBELL, IAN	3,229,743	CHESSER, CHAD WESLEY	3,229,630	COCU, ARNAUD	3,229,411
CAMPBELL, JACK	3,229,195	CHILES, THOMAS ALEXANDER	3,229,180	CODEXIS, INC. COFFERRI, PATRICIA	3,229,280
CAMPOS, VANESSA CAROLINE	3,229,613	CHILTON, TODD CHRISTOPHER	3,229,520	COGIT COMPOSITES COHEN, IVAN	3,229,151
CAMPOS, VANESSA CAROLINE	3,229,741	CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE	3,229,213	COLGATE-PALMOLIVE COMPAGNIE GENERALE DES ETABLISSEMENTS COLGATE-PALMOLIVE COMPANY	3,229,193 3,229,423
CANCER RESEARCH TECHNOLOGY LIMITED	3,229,138	CHINA MOBILE COMMUNICATIONS	3,229,213	COLOMBIER, JEAN-PHILIPPE	3,229,429
CAPITINI, CHRISTIAN MATTHEW	3,229,450	CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.	3,229,213	COMBS, ZACHARY A.	3,229,813
CAPSUGEL ITALY S.R.L.	3,229,774	CHINA PETROLEUM & CHEMICAL	3,229,701	COMER, CYNTHIA	3,229,316
CARBICRETE INC.	3,229,380	CORPORATION	3,229,454	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	3,229,543
CARBON AUTONOMOUS ROBOTIC SYSTEMS INC.	3,229,766	CHINTALAPATI, SRINIVASA CHARY	3,229,559	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	3,229,555
CAREFUSION 303, INC.	3,229,515	CHINTALAPUDI, KRISHNA KANT	3,229,453	COMPAGNIE PLASTIC	3,229,612
CAREFUSION 303, INC.	3,229,550	CHITTOOR, JAISHREE M.	3,229,216	CONNOLLY, MOLLY	3,229,316
CARNEGIE MELLON UNIVERSITY	3,229,441	CHIU, FREDERICK	3,229,794	COMPAGNIE PLASTIC	3,229,614
CARNEMARK, JAKOB	3,229,574	CHNARI, EVANGELIA	3,229,434	COMPAGNIE PLASTIC	3,229,611
CARR, BENJAMIN MICHAEL	3,229,180	CHO, WOO-YEON	3,229,295	OMNIUM SE	3,229,616
CARTMELL, JEFFREY	3,229,794	CHOI, JINSOO	3,229,467	COMPAGNIE PLASTIC	3,229,664
CARVALHO, JOAO	3,228,422	CHOI, JUNHONG	3,229,599	OMNIUM SE	3,229,316
CASAL-DUJAT, LUCIA	3,229,594	CHOJECKI, ADAM	3,229,603	CONCORDIA UNIVERSITY, INC.	3,229,205
CASES-THOMAS, MANUEL JAVIER	3,229,686	CHOJECKI, ADAM	3,229,210	CONSTELLIUM ISSOIRE	3,229,205
CATERPILLAR INC.	3,229,679	CHONGQING LE-MARK TECHNOLOGY CO., LTD.	3,229,716	CONSTELLIUM ISSOIRE	3,229,205
CAVANAUGH, JASON T.	3,229,691	CHRISTENSEN, HENRIK BRO	3,229,423	CONSTELLIUM NEUF- BRISACH	3,229,207
CEBE, REGIS	3,229,746	CHRISTENSEN, JOHN	3,229,417	CONSTELLIUM NEUF- BRISACH	3,229,207
CEBERE, BOGDAN C.	3,229,354	NORSKOV	3,229,432	CONSTELLIUM MUSCLE	3,229,205
CELANIRE, SYLVAIN	3,228,422	CHU DE NICE	3,229,575	CONSTELLIUM MUSCLE	3,229,207
CELLERATE LIMITED	3,229,356	CHUA, CHIN SUAN	3,229,579	SHOALS LLC	3,229,205
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	3,228,902	CHUAH, KHAI GAN	3,229,599	SHOALS LLC	3,229,207
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	3,229,432	CHUNG, CHENG L.	3,229,603	CONSTELLIUM NEUF- BRISACH	3,229,205
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	3,229,444	CHUNG, CHENG L.	3,229,423	CONSTELLIUM NEUF- BRISACH	3,229,207
CHAE, SU JIN	3,229,568	CHUNG, STEPHY QIANWEN	3,229,596	CONSTRUCTION RESEARCH & TECHNOLOGY GMBH	3,229,659
CHANDRASEKHARA SWAMY	3,229,444	CHURCH, COTY	3,229,684	CONWAY, PETER	3,229,596
NARENDRA, NANJANGUD	3,229,576	CIRIT, MURAT	3,229,603	COOK, CHRISTOPHER A.	3,229,694
CHANG, DEBORA W.	3,229,771	CITTI, WESLEY	3,229,591	COOKSON PRECIOUS	3,229,743
CHAO, ZHANG	3,229,455	CLARK, JASON RICHARD	3,229,713	METALS LTD	3,229,138
CHATTEM, INC.	3,229,439	CLARK, SAM	3,229,536	COOPER, COLIN	3,229,565
CHATTERJEE, JOON	3,229,803	CLARK, SAM	3,229,419	COPPETTA, JONATHAN R.	3,229,186
CHEMOCENTRYX, INC.	3,229,226	CLEAN PLANET INC.	3,229,532	CORDON, ALICE	3,229,472
CHEN, BINGLIANG	3,229,250	CLEARFLAME ENGINES, INC.	3,229,265	CORN PRODUCTS	3,229,472
CHEN, CHIEH-HSIAO	3,229,547	CLEMENS, ALLISA JAYNE	3,229,663	DEVELOPMENT, INC.	3,229,473
CHEN, EMILY	3,229,697	CLEXIO BIOSCIENCES LTD.	3,229,117	CORN PRODUCTS	3,229,473
		CLOUGH, CHRISTIAN	3,229,532	DEVELOPMENT, INC.	

Index of PCT Applications Entering the National Phase

CORN PRODUCTS DEVELOPMENT, INC.	3,229,478	DDP SPECIALTY ELECTRONIC	DROUET, BEATRICE	3,229,324
CORONAVAX, LLC	3,229,583	MATERIALS US, LLC	DRYOX HEALTH, S.L.	3,229,343
CORREIA, BRUNO	3,229,302	DE AZEREDO, ANA PAULA	DUBBA, KRISHNA SANDEEP	
COSSAIS, DOMINIQUE	3,229,240	DE AZEREDO, ANA PAULA	REDDY	3,229,180
COULOMBEAU-LEROY, HELENE	3,229,309	DE HAAS, DAVID	DUBRE, DARRYL, D.	3,229,262
COUNAGO LORENZO, BERNARDINO	3,229,392	DE KNIJF, DORIEN	DUDAN, FLORENT	3,229,741
COUPAL-SIKES, ERIC M.	3,227,979	DE KNIJF, DORIEN	DUKE UNIVERSITY	3,229,447
COURBALAY, MATHIEU	3,229,695	DE LA PRUNAREDE, JUSTINE	DUKE UNIVERSITY	3,229,571
COUSTHAM, THOMAS	3,229,309	DE LIMA, DANILO RIBEIRO	DUKES, SIMON P.	3,229,156
COUTROS-HOFFMANN, STELLA	3,229,472	DE MAS, FEDERICO	DUMONT, ALICE	3,229,411
COUTROS-HOFFMANN, STELLA	3,229,473	DE WIT, JORIS	DUNCTON, MATTHEW	
COUTURE, PIERRE	3,229,379	DEEPMIND TECHNOLOGIES LIMITED	ALEXANDER JAMES	3,229,591
COWAN, JOSEPH	3,229,269	DEEPQURE INC.	DUNCTON, MATTHEW	
CREAFORM INC.	3,223,372	DEEPQURE INC.	ALEXANDER JAMES	3,229,713
CREDENCE MEDSYSTEMS, INC.	3,229,626	DEISHER, THERESA	DUPONT, RENAUD	3,229,186
CRETIER, ROMAIN	3,229,612	DELAUNAY, HERVE	DUPREZ, LODE	3,229,159
CRISCUOLI, MATTIA	3,229,774	DELL'AGLI, MARIO	DUPREZ, LODE	3,229,396
CROUS, IZAK ABRAM	3,229,446	DELORME, JEREMY	DURAMAD, OMAR	3,229,824
CSAKY, KARL	3,229,297	DELTEL, GEOFFROY	DURANTON, CHRISTOPHE	3,229,432
CUMMINS, ALEXANDRA	3,229,472	DEMING, BENJAMIN	DUVAL, KARINE	3,229,379
CURRIER, JEFFREY	3,229,487	DENALI THERAPEUTICS INC.	DWYER, REX A.	3,229,124
CUT AND DRY INC.	3,229,534	DENIL, MISHA MAN RAY	DYNO NOBEL INC.	3,229,518
CUTRI, FRANK	3,229,452	DENNIS, MAVIS	DZIUK, DAMIAN	3,229,676
CYR MERCIER, CARL- PHILIPPE	3,229,186	DENNIS, VICTORIA	EAGLEPICHER TECHNOLOGIES, LLC	3,229,218
CYRUS THERAPEUTICS INC.	3,229,566	DESAI, RODGER R.	EATON INTELLIGENT POWER LIMITED	3,229,342
CYRUS, JUSTIN	3,229,812	DESILES, STEPHANE	EBARA CORPORATION	3,229,300
CYTED LTD	3,229,604	DEVOCEAN INC.	EBARA CORPORATION	3,229,377
CZIMMERMANN, TAMAS	3,229,641	DEWPOINT THERAPEUTICS, INC.	EBARA CORPORATION	3,229,389
CZORNIJ, ZENON PAUL	3,229,782	DHELLIN, OLIVIER	ECKL, MARTIN	3,229,738
D'AMICO, JOHN A.	3,229,364	DHERS, SEBASTIEN	ECOLAB USA INC.	3,229,697
D'AMICO, ZACHARY A.	3,229,364	DIAGMETRICS, INC.	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)	3,229,302
DADHANIYA, DHAVALKUMAR VALLABHADAS	3,229,273	DIAZ, STEPHEN H.	ECOTECH, LLC	3,229,532
DAI, JUNGUI	3,229,703	DICKEL, MARTIN	EDELMAN, GODFRIED	
DALLA LIBERA, ALESSANDRO	3,229,659	DIEM GMBH	GYSBRECHT	3,228,900
DANDLIKER, PETER JEFFREY	3,229,711	DIETRICH, GEORGE B.	EDWARDS, ASHLEY DELORIS	3,229,296
DANIELS, JOHN J.	3,229,708	DIMITROPOULOS, CHRYSANTHOS	EDWARDS, KRYSTIL	
DANIELS, JOHN JAMES	3,229,610	DIVAN, DEEPAK M.	ELIZABETH	3,229,541
DANIELS, MARK	3,229,208	DIVAN, DEEPAK M.	EGESBORG, HENRIK	3,229,417
DANIMER IPCO, LLC	3,229,795	DODDS, ANTHONY	EIKLOR, GARY	3,229,196
DANMARKS TEKNISKE UNIVERSITET	3,229,804	DOERFLER, JAICA	EKOIZ RAZMOVICH, HADAR	
DAR, YADUNANDAN	3,229,472	DONALDSON, WILLIAM A.	ELAM, JOHN MICHAEL	3,229,460
DAR, YADUNANDAN	3,229,473	DONATH, JAN	ELDRED, KIARA	3,229,506
DARIMONT-NICOLAU, CHRISTIAN	3,229,741	DONG, JIAQIANG	ELECTRICITE DE FRANCE	3,229,374
DARLINGTON, GREGORY P.	3,229,643	DONGBAO PURPLE STAR (HANGZHOU)	ELI LILLY AND COMPANY	3,229,212
DAS, AMRITAVA	3,229,450	BIOPHARMACEUTICAL CO., LTD.	ELI LILLY AND COMPANY	3,229,346
DASARI, PRASAD	3,229,645	DONOHOE, BARRY	ELVEBAKKEN, HELENA	3,229,520
DASH, AMIT KUMAR	3,229,174	DOOLEY, KEVIN ALLAN	FALHOLT	
DASSONNEVILLE, SOLENE	3,228,902	DOOMRA, ABHINAV	EMI, YUICHI	3,229,739
DAUMAS, DIDIER	3,228,955	DORVLO, SELASSIE	EMORY UNIVERSITY	3,229,193
DAVID, DIDIER	3,229,277	DOVER FUELING SOLUTIONS UK LIMITED	EMPA EIDGENOSSISCHE MATERIALPRUFUNGS- UND	
DAVIS, BRANDON	3,229,451	DOW GLOBAL TECHNOLOGIES LLC	FORSCHUNGSSANSTALT	3,229,749
		DOW GLOBAL	EMS-CHEMIE AG	3,229,749
		TECHNOLOGIES LLC	ENANTA	
		TECHNOLOGIES LLC	PHARMACEUTICALS, INC.	3,229,569
		DRACOOL DATAPLATE, LLC	ENDER, DOMINIC RICHARD	3,229,230
		DRENTH, CHRISTOPHER L.	ENDER, DOMINIC RICHARD	3,229,236
		DRIGO, NIKITA	ENDER, DOMINIC RICHARD	

Index des demandes PCT entrant en phase nationale

ENDO, YOSHITO	3,229,663	FETHKE, MAURITZ	3,229,220	GAO, XIAOLIANG	3,229,216
ENEL X S.R.L.	3,229,799	FETHKE, MAURITZ	3,229,237	GARCIA-GARCERA, MARC	3,229,488
ENTRADA THERAPEUTICS, INC.	3,229,661	FIELDS, RICHARD	3,229,356	GARE, ANDREW	3,229,452
EPIROC DRILLING SOLUTIONS LLC	3,229,289	FILIPPINI, BRIAN B.	3,229,306	GARRELIE, FLORENCE	3,228,902
EPKE, THOMAS	3,229,278	FILIPPINI, BRIAN B.	3,229,308	GARUDA, LIRAN	3,229,460
EREZ, TOM	3,229,296	FIMML, WOLFGANG	3,229,638	GATZWEILER, ELMAR	3,229,298
ERLINGSSON, HILMAR	3,229,246	FIROUZI, MOHAMMAD	3,229,090	GAUTHIER, FLORIAN	3,229,324
ESCHRIOU, NICOLAS	3,229,444	FISCH, ADAM JEFFERY	3,229,391	GAUTHIER, FRANCOIS	3,229,186
ESTRELLA, NELSA	3,229,661	FISCH, ADAM JEFFERY	3,229,393	GAVARD-LONCHAY, ODILE	3,229,555
EVANADO, CYRUS	3,229,671	FISH, BARRY B.	3,229,599	GBUK GROUP LIMITED	3,229,269
EVANS, ANNE M.	3,229,124	FLAHAUT, SIGRID	3,229,169	GE, GAOMING	3,229,233
EVANS, ZACKERY	3,229,325	FLASINSKI, STANISLAW	3,229,453	GEHRUNG, MARCEL	3,229,604
EVOLVE PATENTS PTY LTD	3,229,552	FLETCHER, RUSSELL	3,229,303	GEISHECKER, EMILY	3,229,596
EVOQUA WATER TECHNOLOGIES, LLC	3,229,156	FLOWERS, PAUL	3,229,350	GEISLER, CHRISTOPH	3,229,155
EXOSOMICS S.P.A.	3,229,774	FMC CORPORATION	3,229,284	GEMER, ANDREW JOSEF	3,229,812
EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY	3,229,769	FONG, CHEE KIONG	3,229,386	GENESPECTOR S.R.O.	3,229,590
F. HOFFMANN-LA ROCHE AG	3,229,267	FORK, THOMAS	3,229,594	GENT, DAVID	3,229,606
FABRICATION ELCARGO INC.	3,223,068	FORSBERG, MATTHEW HULL	3,229,450	GENUTIS, SAULIUS	3,229,246
FALLIN, T. WADE	3,229,325	FORSELL, PETER	3,229,428	GEORGIA TECH RESEARCH	
FAN, AIXING	3,229,423	FOSLER, MATTHEW	3,229,289	CORPORATION	3,229,574
FAN, SHUNQIN	3,203,386	FRANK, MICHAEL	3,229,624	GEORGIA TECH RESEARCH	
FAN, XIAOHU	3,229,493	FRANK, WALTER	3,229,510	CORPORATION	3,229,674
FANGET, BERNARD	3,229,324	FRASER, MICHAEL	3,229,527	GERMAIN, GABRIELLE	3,229,179
FANNING, JOHN C.	3,229,257	FREAKE, JACOB	3,229,596	GERSHOVICH, PAVEL	
FARHAT, MAHMOUD ELSAYED	3,229,516	FRECHET, SIMON	3,223,372	MIKHAILOVICH	3,229,573
FARMER, SEAN	3,229,154	FREDERIKSEN, RENE MAHRT	3,229,271	GERSHOVICH, PAVEL	
FARZIN, NINA D.	3,229,768	FREINKMAN, ELIZAVETA	3,229,124	MIKHAILOVICH	3,229,580
FATHIEH, FARHAD	3,229,090	FRENCH, GARRETT	3,229,218	GERSHOVICH, PAVEL	
FATHIEH, FARHAD	3,229,092	FRIBERG, HEATHER	3,229,487	MIKHAILOVICH	3,229,587
FATHIEH, FARHAD	3,229,098	FRIBERG, TAPIO	3,229,347	GHANBARI, REZA	3,229,562
FAVRE, GUILLAUME ALEXANDRE	3,229,432	FRITO-LAY NORTH AMERICA, INC.	3,229,809	GHANBARI, REZA	3,229,564
FCI HOLDINGS DELAWARE, INC.	3,229,744	FRITZ EGGER GMBH & CO. OG	3,229,777	GHORAI, SOURAV	3,229,569
FEHRENBACH, NATHANIEL	3,229,778	FUJITA, MASAKI	3,229,809	GHOSH, KAUSTAV	3,229,697
FELDMAN SIVAN, TALI	3,229,460	FUKUZUMI, TAKESHI	3,229,628	GHUMAN, MOHAMMAD	
FELUS, GIL	3,229,687	FUKUZUMI, TAKESHI	3,229,751	TALHA	3,228,899
FELUS, GIL	3,229,689	FUSCO, ALEXANDRIA	3,229,510	GILBERT, BRADLEY B.	3,229,539
FENG, YAN	3,229,646	FUSHIWAKI, YUSUKE	3,229,527	GILLESPIE, GERALDINE	3,229,447
FENGER, PER ESKE	3,229,792	FUSHIWAKI, YUSUKE	3,229,530	GILOTTE, PHILIPPE	3,229,611
FENWAL, INC.	3,229,810	FULKERSON, JOHN	3,229,673	GILOTTE, PHILIPPE	3,229,614
FENWICK & CO LIMITED	3,229,514	FULLERTON, MARK	3,229,514	GIOIA, PHILIP	3,229,297
FENWICK, AARRON	3,229,514	FUSCO, ALEXANDRIA	3,229,448	GIRGENRATH, MAHSWETA	3,229,661
FERGUSON, DALE	3,229,793	FUSHIWAKI, YUSUKE	3,229,480	GIRGIS, EMAD AZMY	
FERNANDEZ GIL, ISMAEL	3,229,392	GAJARE, PRANJAL M.	3,229,554	SULTAN	3,229,163
FERRARI, DANIELA	3,229,599	GALIBERT, LAURENT	3,229,558	GIRI, NAGDEEP	3,229,341
FERRARI, DANIELA	3,229,603	GALLEY, PAUL J.	3,229,749	GIRITCH, ANATOLI	3,229,421
FERRI, EMANUELE	3,229,352	GALLOIS, YANN	3,229,537	GIRITCH, ANATOLI	3,229,458
FERRI, NICOLA	3,229,352	GAMM, DAVID	3,229,674	GLATMAN ZARETSKY,	3,229,491
FESTOOL GMBH	3,229,220	GAN, MING	3,228,422	ARIELLE	3,229,369
FESTOOL GMBH	3,229,222	GAN, MING	3,229,267	GLEBA, YURI	3,229,421
FESTOOL GMBH	3,229,225	GAN, MING	3,229,277	GLEBA, YURI	3,229,458
FESTOOL GMBH	3,229,230	GAN, ZHONGRUI	3,229,199	GNADEK, THOMAS J.	3,229,491
FESTOOL GMBH	3,229,236	GAO, KAIMI	3,229,912	GOEPFRICH, JAMES L.	3,229,710
FESTOOL GMBH	3,229,237	GAO, PENG	3,229,338	GOETTEL, JAMES T.	3,229,216
FESTOOL GMBH	3,229,241	GAO, PENG	3,229,800	GOLDA, ARTHUR	3,229,676
FESTOOL GMBH	3,229,243	GAO, SHIWEI	3,229,499	GOLDBERG, DAVID, J.	3,229,274
			3,229,578	GOLU HYDROGEN	
			3,229,499	TECHNOLOGIES INC.	3,229,598
			3,228,912	GOMES DE FREITAS, JOAO	
			3,229,471	FERDINANDO	3,229,296
			3,229,388	GOMES, CARMEN ROSANE	
			3,229,800	ISSE	3,229,235
			3,229,578	GOMEZ, SERGIO	3,229,296

Index of PCT Applications Entering the National Phase

GONG, HUA	3,229,539	HAMILTON, MARK	3,229,256	HEXAGON PURUS NORTH
GONZALEZ VILLALOBOS, ROMER A.	3,229,430	HAMMER, JAN	3,229,237	AMERICA HOLDINGS INC.
GOODARZNIA, SHAHIN	3,229,512	HAN, JING	3,229,243	3,229,747
GOODARZNIA, SHAHIN	3,229,605	HAN, WOOSEOK	3,229,563	HGCI, INC.
GOODARZNIA, SHAHIN	3,229,606	HANDLEY, TYLER J.	3,229,566	HICKEY, JEAN-PIERRE
GOODMAN GLOBAL GROUP, INC.		HANKUK UNIVERSITY OF FOREIGN STUDIES	3,174,160	3,229,185
GOODWIN, AL PATRICK	3,229,756	RESEARCH & BUSINESS FOUNDATION	3,229,593	HICKS, KATHRYN
GOODWIN, NICOLAAS BODENSTEIN	3,229,446	HANSEN, PAUL	3,229,134	HIDDEMA, AREND
GOPAL, SRIHARI	3,229,731	HANSKI, SAMI	3,229,097	HIE, LIANA
GOPP, DAVID	3,229,621	HAO, RUOMU	3,229,674	HIETANIEMI, MATTI
GORODESKY, NIV	3,229,462	HARADA, NAOZUMI	3,229,245	HIGGINS, GUY
GOULET, DENNIS R.	3,229,160	HARALDSSON, SVERRIR	3,229,246	3,229,284
GOYARD, SOPHIE	3,229,444	HARDWICK, STEVE	3,229,721	HIGGINS, GUY ANDREW
GRA&GREEN INC.	3,229,239	HARING, DIETER ADRIAN	3,229,704	HIMMELSTEIN, DAVID
GRACEY, FIONA	3,229,790	HARIYANI, SHRUTI	3,229,533	3,229,145
GRAHAM, GORDON	3,229,704	HARLAND, AUBRIE	3,229,226	HIPPI, BJORN
GRAHAM, STEWART	3,229,144	HARLING, JOSHUA	3,229,226	HIRATA, TAKUYA
GRAIL, INC.	3,229,331	HAMMOND	3,229,684	HIRMAN, JOSEPH
GRANDA, BRIAN WALTER	3,229,746	HARMISON, BRIAN K.	3,229,181	HIRSI, TUOMAS
GRANGER, BRETT	3,229,569	HARMS, WILKO	3,229,167	HITACHI CONSTRUCTION
GRANSAGNE, MARION	3,229,444	HARMS, WILKO	3,229,181	MACHINERY CO., LTD.
GREEN, ROBERT MADISON	3,229,500	HARMS, WILKO	3,229,684	HJALMARSSON, HELGI
GREER, JOE	3,229,531	HARRIS, KYLE WILLIAM	3,229,175	HLUBB, CHRISTOPHER
GREGORY, SIMON ADRIAN	3,229,215	HARTMANNOVA, HANA	3,229,182	HLUBB, CHRISTOPHER
GRENIER, OLIVIER	3,229,186	HARUMOTO, TOSHIMASA	3,229,370	HOCHBERG, SCOTT DAVID
GRIFFIS, JOSHUA	3,229,156	HASELMANN, ROBERT	3,229,370	HOFFMAN, MICHAEL
GRIGORESCU, SORIN	3,229,544	NICHOLAS	3,229,590	HOFFMAN, MICHAEL
GROLEAU, SCOTT	3,229,376	HASELMANN, ROBERT	3,229,748	HOLGATE, ROBERT
GROMOWSKI, GREGORY	3,229,487	NICHOLAS	3,229,671	HOLST, PETER JOHANNES
GROUPE RO-MAIN INC.	3,229,179	HAUBENBERGER, DIETRICH	3,229,671	HOLSTEN-STUEHMER,
GRUBER, LEWIS, S.	3,229,602	HAUDEBOURG, DIDRIK	3,229,684	ESTHER
GRUENDIG, MARTIN	3,229,651	HAURI, MARCO	3,229,341	ESTHER
GU, GEORGE Y.	3,229,156	HAWKEYE 360, INC.	3,229,309	HOLZ, TOBIAS
GUANGHUI, LI	3,229,455	HAXHINASTO, SOKOL	3,229,311	HONDA, SHUICHIRO
GUARDANT HEALTH, INC.	3,229,177	HAYES, SANDRA M.	3,229,315	HONDA, SHUICHIRO
GUILLEMETTE, FRANCOIS	3,229,522	HAYNER, CARY MICHAEL	3,229,369	HONEYWELL
GUIMARAES, MATHEUS ANTUNES		HAYNES, BARTON F.	3,229,705	HONEYWELL INTERNATIONAL INC.
GULAM, HUSSAIN A	3,229,712	HE, JING	3,229,652	HONEYWELL INTERNATIONAL INC.
GULYASHKO, ALEXANDER	3,229,208	HE, XIAOWEN	3,229,447	INTERNATIONAL INC.
GUNAY, MURAT	3,229,149	HE, YONG	3,229,569	3,229,237
GUO, HAO	3,229,346	HE, YUJUN	3,229,684	HONG, HYE-WON
GUO, YUCHEN	3,229,688	HEARN, ARRON	3,229,688	HONMA, REI
GUO, YUCHEN	3,229,338	HEFLIN, JOHN	3,229,388	HOOPES, MATTHEW IAN
GURPINAR, OMER	3,229,499	HEIDELBERG MATERIALS AG	3,229,464	3,229,705
GUZMAN, ABIGAIL	3,229,457	HEIKENFELD, JASON	3,229,464	HORSFIELD, ANDREW
GUZMAN, RAYMOND	3,229,429	HEINRICH, MARC	3,229,466	HOSLER, EDGAR
H. LUNDBECK A/S	3,229,764	HEINRICH, MARC	3,229,466	3,229,539
HA, SEONBAEK	3,229,737	HEINRICH, MARC	3,229,791	HU, LIJIE
HACKENSACK MERIDIAN HEALTH, INC.	3,229,652	HEISKANEN, ISTO	3,229,482	HU, MENGSHI
HADYNIAK, SARAH	3,229,152	HEMOGENYX	3,229,520	HU, SIYI
HAGAR YUTA	3,229,374	HEMOGENYX	3,229,520	HU, ZHAOKANG
HAGA, RYUTA	3,229,480	PHARMACEUTICALS LLC	3,229,526	3,229,239
HAHN-LOBMANN, SIMONE	3,229,554	HEMOGENYX	3,229,526	HUANG, CHONGYANG
HALANDER, JOHN	3,229,421	PHARMACEUTICALS LLC	3,229,637	3,229,499
HALEM, MICHAEL A.	3,229,518	HENDLER, RENE	3,229,572	HUARTE, EDUARDO
HALIM, AAMIR AHMAD	3,229,714	HENRY, NELSON	3,229,572	3,229,539
HALLER, EMANUELA	3,229,174	HERITAGE RESEARCH		HUAWEI TECHNOLOGIES
HALSTEAD, ERIC	3,229,354	GROUP, LLC	3,229,502	CO., LTD.
HAMILTON, MARK	3,229,672	HERLE, BART	3,229,258	3,229,338
	3,229,183	HERNANDEZ BLANCO, SERGIO	3,229,392	HUAWEI TECHNOLOGIES CO., LTD.
		HESTER, RENEE	3,229,596	3,229,499
				HUBBELL INCORPORATED
				3,229,630
				3,229,759

Index des demandes PCT entrant en phase nationale

HUCK, JOHN	3,229,251	INTAS PHARMACEUTICALS LTD.	3,229,273	JIANGSU HENGRIU PHARMACEUTICALS CO., LTD.	3,229,503
HUDSON, RON	3,229,451	INTOMICS A/S	3,229,551	JIMENEZ, TEODORO S.	3,229,673
HUFFMAN, MARK	3,229,280	IPG PHOTONICS CORPORATION	3,229,149	JIN, JUN	3,229,701
HUFFSTETLER, PHILIP	3,229,803	IRONRIDGE, INC.	3,229,531	JO, SEOK HYEON	3,229,340
HUGHES NETWORK SYSTEMS, LLC	3,229,797	IRVINE, FRANO	3,229,448	JO, SEOK HYEON	3,229,344
HUGHES, TOMAS EDWARD	3,229,628	ISOMAKI, NIKO	3,229,600	JOHANNES JERGER, CHRISTIAN	3,229,126
HUIZENGA, STEVEN	3,229,760	ITO, TAKEHIKO	3,229,663	JOHN CRANE INC.	3,229,634
HULSE, RYAN	3,229,471	IWAMI, MITSUTAKA	3,229,300	JOHNS, CURTIS	3,229,628
HUMBOLDT-UNIVERSITAT ZU BERLIN	3,229,244	IWAMI, MITSUTAKA	3,229,377	JOHNSON, BERNARD	3,229,675
HUNKER, LAUREN MICHELLE	3,229,697	IWAMURA, YASUHIRO	3,229,389	JOHNSON, DANIEL W	3,229,782
HUSSEY, KATARZYNA	3,229,374	IZGELOV, DVORA	3,229,117	JOHNSON, DAVID BRYAN	3,229,707
HUSSEY, LANCE GORDON	3,229,506	J.H. FLETCHER & CO.	3,229,793	JOHNSON, ERIC SCOTT	3,229,773
HYDROMECANIQUE ET FROTTEMENT	3,228,902	JACKSON, STEPHEN	3,229,456	JOHNSON, ERIC SCOTT	3,229,776
IAKOVLEV, PAVEL ANDREEVICH	3,229,573	JAGADESAN, MARUTHA PANDIAN	3,229,174	JOHNSON, TOM	3,229,279
IAKOVLEV, PAVEL ANDREEVICH	3,229,580	JAKUBEK, MILAN	3,229,700	JOHNSTON, ROBERT	3,229,374
IAKOVLEV, PAVEL ANDREEVICH	3,229,587	JAMSHIDI, PARASTOO	3,229,743	JOINT STOCK COMPANY "BIOCAD"	3,229,573
ICEYE OY	3,229,347	JANA, RAJKUMAR	3,229,784	JOINT STOCK COMPANY "BIOCAD"	3,229,580
IDEAL LIVING, LLC	3,229,349	JANG, INSUN	3,229,295	JOINT STOCK COMPANY "BIOCAD"	3,229,587
IGARASHI, HIROSHI	3,229,334	JANG, JAEYEON	3,229,593	JOINT STOCK COMPANY "BIOCAD"	3,229,265
IKEDA, HAYATO	3,229,300	JANIN, YVES	3,229,444	JONES, DAVID TREVOR	3,229,584
IKEDA, HAYATO	3,229,377	JANSE VAN RENSBURG, JACOBUS	3,229,793	JONES, ERIC JONES	3,229,446
IKEDA, HAYATO	3,229,389	JANSSEN BIOTECH, INC.	3,229,430	JORDaan, Barend Jacobus	3,229,203
IKEDA, KOJIRO	3,229,329	JANSSEN PHARMACEUTICA NV	3,229,731	JORDAN, INGO	3,229,641
IKINK, SERGE	3,229,431	JAPAN DISPLAY INC.	3,229,329	JORDAN, KENNETH	3,229,134
ILJIN, TUOMAS	3,229,677	JAPAN TABACCO INC.	3,229,401	JOST-WERKE DEUTSCHLAND GMBH	3,229,207
IMMUNITAS THERAPEUTICS, INC.	3,229,448	JARVIS, JENNIFER MICHELLE	3,229,695	JOUET-PASTRE, LAURENT	3,229,346
IMPLANTICA PATENT LTD	3,229,428	JARVIS, RICHARD W.	3,229,181	JUDSON, JARED ALDEN	3,229,566
INBAR, ERAN	3,229,462	JAVELIN BIOTECH, INC.	3,229,596	KADYSH, NICHOLAS	3,229,752
INGARAMO, MARIA	3,229,202	JAY THERAPEUTICS	3,229,305	KAMIJO, TAKASHI	3,229,482
INGREDION PLANT BASED PROTEIN SPECIALTIES (CANADA), INC.	3,229,472	JAYASHANKAR, SHYAMALI	3,229,746	KANAI, MASAKI	3,229,753
INGREDION PLANT BASED PROTEIN SPECIALTIES (CANADA), INC.	3,229,473	JEGEDE, OYELAYO	3,229,472	KANAPH THERAPEUTICS INC.	3,229,568
INKBOX INK INC.	3,174,160	JEGEDE, OYELAYO	3,229,473	KARIM, AFTAB S.	3,229,531
INNIO JENBACHER GMBH & CO OG	3,229,472	JENSEN, KURT STAECKER	3,229,478	KARLAS, ALEXANDER	3,229,327
INNIO JENBACHER GMBH & CO OG	3,229,627	JENSEN, TORBJORN OLSHØJ	3,229,804	KARLIN, DANIEL R.	3,229,203
INNOVENT BIOLOGICS (SUZHOU) CO., LTD.	3,229,638	JEON, WOOHYUNG	3,229,539	KARPPI, ASKO	3,229,158
INOMATA, AKIHIKO	3,229,250	JEONG, AAYON	3,229,563	KASATANI, TETSUJI	3,229,300
INPROOTHER APS	3,229,389	JEROME, RALPH	3,229,785	KASATANI, TETSUJI	3,229,377
INSTITUT NATIONAL DES SCIENCES APPLIQUEES LYON (INSA LYON)	3,229,203	JEWETT, IVAN	3,229,293	KASATANI, TETSUJI	3,229,389
INSTITUT PASTEUR	3,228,902	JFE CHEMICAL CORPORATION	3,229,480	KANEDA, MASATO	3,229,752
INSTITUTE OF APPLIED BIOSCIENCE (INAB) / CENTRE FOR RESEARCH AND TECH...	3,229,444	JFE CHEMICAL CORPORATION	3,229,554	KANG, SAMUEL	3,229,725
INSTITUTE OF BOTANY, THE CHINESE ACADEMY OF SCIENCE	3,229,193	JFE CHEMICAL CORPORATION	3,229,558	KANKKUNEN, JUKKA	3,229,482
INSUSENSE APS	3,229,703	JFE STEEL CORPORATION	3,229,480	KANO, HIDEKAZU	3,229,751
	3,229,686	JFE STEEL CORPORATION	3,229,554	KARIM, AFTAB S.	3,229,327
		JI, ZHAOXIA	3,229,558	KARLAS, ALEXANDER	3,229,203
		JIANG, CHENGGANG	3,229,480	KARLIN, DANIEL R.	3,229,158
		JIANG, HAOMIN	3,229,554	KARPPI, ASKO	3,229,145
		JIANG, QINGLING	3,229,669	KASATANI, TETSUJI	3,229,377
		JIANGSU HANSOH	3,229,353	KASATANI, TETSUJI	3,229,389
		PHARMACEUTICAL GROUP CO., LTD.	3,229,639	KASATANI, TETSUJI	3,229,305
		JIANGSU HANSOH	3,229,493	KATHOLIEKE UNIVERSITEIT LEUVEN, K.U.LEUVEN R&D	3,228,422
		PHARMACEUTICAL GROUP CO., LTD.	3,229,397	KATHOLIEKE UNIVERSITEIT LEUVEN, K.U.LEUVEN R&D	3,229,748
			3,229,800	KATO, AKIFUMI	3,229,748

Index of PCT Applications Entering the National Phase

KATO, ISSEI	3,229,752	KOCH, MATTHEW	3,229,320	LAFAYE, PIERRE	3,229,444
KATSUTA, HIROO	3,229,751	KOCUREK, DEVIN	3,229,540	LAFUENTE CERDA, OSCAR	3,229,431
KAUR, HARPREET	3,229,363	KOCUREK, SANDRA	3,229,540	LAFUENTE CERDA, OSCAR	3,229,433
KAWASAKI JUKOGYO		KOGUE, YOSUKE	3,229,750	LAI, KUO-PAO	3,229,303
KABUSHIKI KAISHA		KOHLER, BENJAMIN JOSHUA	3,229,424	LAI, ZHEN	3,229,813
KAYARKATTE, MANOJ	3,229,784	KOITO, TAKEO	3,229,329	LAIHONEN, ESKO	3,229,677
KAZAKEVICH, JACOB	3,229,304	KOJIMA, HIDETAKA	3,229,619	LAKSHMIPATHY,	
KELFKENS, RENUS	3,229,451	KOLAR, ADAM	3,229,158	NARENDRANATH	3,229,385
KEMIRA OYJ	3,229,145	KOMATSU LTD.	3,229,681	LALANCETTE, NADIA	3,229,414
KEMPAS, TOMI	3,229,145	KOME, CORNELIS	3,229,518	LAM, SHARON AI ER	3,229,575
KEMPER, JEFF	3,229,793	KONDRAHENKO, MYKOLA	3,229,598	LAMINARIA GROUP AB	3,229,733
KENDALL, WILLIAM G.	3,229,793	KONN, JONAS	3,229,145	LAMMERS, ALEX	3,229,572
KENNEDY, SHARON	3,229,429	KONUS, DUYGU	3,229,197	LAN, XINWEI	3,229,769
KENT, DAVID T.	3,229,373	KOOLMAN, HANNES FIEPKO	3,229,258	LANDTHALER, MARKUS	3,229,244
KEPLEY, ROBERT	3,229,797	KOOREMAN, NIGEL	3,229,276	LANGE, EMMANUEL	3,229,090
KESHTKAR, MOHAMMAD	3,229,606	KOPP, GERHARD	3,229,624	LANGE, EMMANUEL	3,229,092
KHALID BIN ABDUL HALID, DANIAL	3,229,575	KORCZ, KRZYSZTOF WOJCIECH	3,229,759	LANGENHORST, DANIELA	3,229,645
KHALIL, JAHA	3,229,160	KORDES, MARKUS	3,229,464	LANOS, PIERRE	3,229,608
KHAN, AMIRA	3,229,423	KORDES, MARKUS	3,229,466	LARACH, OSCAR	3,229,328
KHEIRABADI, MAHBOUBEH	3,229,661	KORDES, MARKUS	3,229,791	LARIONOV, IGOR	3,229,149
KHLORIS BIOSCIENCES, INC.	3,229,276	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY	3,229,568	LARSEN, ADAM	3,229,475
KHOSOUSI, ALI	3,229,090	KORUS, ANTON	3,229,582	LARSON, MATTHEW	3,229,331
KHURJEKAR, ADITYA	3,229,187	KORVA, TIMO	3,229,097	LAU, TIN-MAN	3,229,307
KI, DONG HYUK	3,229,566	KORYTKO, ANDREW IHOR	3,229,520	LAURAIN, AUDREY	3,229,432
KICK, MERRILEE	3,229,314	KOSHY, SANDEEP THARIAN	3,229,746	LAURENT, NICOLAS	3,229,264
KIEFEL, BEN	3,229,790	KOTHARI, VEDANG	3,229,815	LAWYER, JUSTIN	3,229,532
KIENER, PIERRE	3,229,543	KOTSONIS, STEVEN E.	3,229,522	LAZZARA, JASON	3,229,815
KIKUCHI, HYUGA	3,229,300	KOTTE, THIRUPATHI	3,229,559	LE MAITRE, CHRISTINE L.	3,229,597
KIM, DAE SOO	3,229,568	KOUWENHOVEN, LEONARDUS PETRUS	3,229,718	LEA, PERRY VICTOR	3,229,454
KIM, DO JIN	3,229,542	KRAEMER, GERD	3,229,541	LEAP PHOTOVOLTAICS INC.	3,229,778
KIM, DONG HYUK	3,229,753	KRAEMER, GERD	3,229,464	LEE, JAEWOOK	3,229,755
KIM, DONGGEON	3,229,566	KRAEMER, GERD	3,229,466	LEE, SIN JEONG	3,229,568
KIM, EUN-JUNG	3,229,566	KRAGNESS, ERIC D.	3,229,791	LEE, TOM	3,229,575
KIM, IN	3,229,652	KRAMPETZ, ERIN K.	3,229,691	LEESON, KIM	3,229,351
KIM, JI EUN	3,229,566	KRIECH, ANTHONY, J.	3,229,609	LEFKOWITZ, ANDREW R.	3,229,154
KIM, JIN KUK	3,229,568	KRIECH, DOUGLAS	3,229,502	LEFTHERIOTIS, GEORGES	3,229,432
KIM, MIN HYUN	3,229,412	KRISHNAN, SUBASH	3,229,502	LEGEND BIOTECH IRELAND LIMITED	3,229,493
KIM, MIN SOO	3,229,593	KROTMEIER, STEFAN	3,229,502	LEGGETT, CAROL G.	3,229,795
KIM, SANG GOOK	3,229,295	KRTOLICA, ANA	3,229,575	LEGGETT, THOMAS K. III	3,229,795
KIM, YOUNG DEUK	3,229,593	KSB SE & CO. KGAA	3,229,637	LEGOTSKII, SERGEI	
KIM, YOUNG JAE	3,229,755	KULASOORIYA, MANI	3,229,335	ALEKSANDROVICH	3,229,580
KIMBERLY-CLARK WORLDWIDE, INC.	3,229,609	KULKARNI, SHREYAS	3,229,738	LEGOTSKII, SERGEI	
KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY	3,229,321	KULKARNI, SHREYAS	3,229,534	ALEKSANDROVICH	3,229,587
KING, GEOFFREY ALLEN	3,229,370	KUMAR, NAVNEEN	3,229,574	LEGRAND, CHRISTINE	3,229,309
KINTEA, DANIEL	3,229,419	KUNSTMANN, MALTE	3,229,674	LEHTINEN, JANNE	3,229,164
KIPPS, THOMAS J.	3,229,528	KUROKAWA, TAE	3,229,177	LEI, MING	3,229,639
KIRILIN, ALEXEY	3,229,599	KUSUBATA, MASASHI	3,229,268	LEIGH, PETER	3,229,210
KIRILIN, ALEXEY	3,229,603	KUSUME, MASASHI	3,229,329	LEMANG, MATHILDE FLORE	3,229,718
KIRILLOVA, ALINA	3,229,571	KUWABA, KUMIKO	3,229,334	LEMIEUX, YVES	3,229,672
KIRKSEY, NATHAN J.	3,229,682	KWON, SOONJAE	3,229,807	LEMOLE, ABRAHAM	3,229,596
KITULA, MIKKO	3,229,677	KYOWA KIRIN CO., LTD.	3,229,334	LENOVO (BEIJING) LIMITED	3,229,653
KIVINEN, JARMO	3,229,394	KYSH, DANIEL	3,229,748	LEPERT, ARNAUD	3,229,778
KJOLBY, MADS FUGLSANG	3,229,686	L MACKEY, BOB	3,229,395	LEPOUDRE, PHILIP PAUL	3,229,233
KJAERULFF, SOREN	3,229,739	L'HENAFF, JEAN-JACQUES	3,229,581	LEROUY, MARIE-ALIX	3,228,902
KLICKSTEIN, LLOYD BERL	3,229,355	LAB2FAB, LLC	3,229,350	LESTER, BRYAN	3,229,531
KLIGER, BEN	3,229,272	LABRECQUE, JACQUELINE	3,229,465	LEUNG, MINA M.	3,229,626
KLUTHE, JEFFREY	3,229,512	LACTEA THERAPEUTICS LLC	3,229,179	LEVAJAC, VUKAN	3,229,718
KMOCH, STANISLAV	3,229,590	LACTEA THERAPEUTICS LLC	3,229,787	LEVESQUE, VINCENT	3,229,339
KO, MINJIN	3,229,755	LACTOBIO A/S	3,229,789	LEVIN, BENJAMIN DIAMON	3,229,711
KOBAYASHI, TAKEHITO	3,229,239	LAKSHMIPATHY,	3,229,739	LG ELECTRONICS INC.	3,229,295

Index des demandes PCT entrant en phase nationale

LG ENERGY SOLUTION, LTD.	3,229,753	LU, YUXIN	3,229,338	MARSHALL, QUINLEN	3,229,790
LG ENERGY SOLUTION, LTD.	3,229,755	LUDWIG, DALE L.	3,229,287	MARTIN, FRANCOIS-PIERRE	3,229,613
LI, BAIYONG	3,229,166	LUGGER, JOHANNES	3,229,243	MARTIN, KENDRICK	3,223,068
LI, CHAO	3,229,342	LUMBATIS, KURT	3,229,183	MARTINO, DAVID	3,229,522
LI, CHOA-JUN	3,229,495	LUMENT AB	3,229,594	MARTINS, MARCUS PAULO	3,229,712
LI, DAPENG	3,229,447	LUNAR OUTPOST INC.	3,229,812	MARTIRE, GIANNI	3,229,781
LI, HUIJIAO	3,229,688	LUNDEGAARD, CLAUS	3,229,551	MASSEY, NICHOLAS JAMES	
LI, JING	3,229,539	LUNDIN, URBAN	3,229,699	ANDREW	3,229,628
LI, JINGJUN	3,229,430	LUNDSTEDT, JACK	3,229,797	MATALON, DAVID	3,229,304
LI, MIN	3,229,423	LUO, YINGZHE	3,225,239	MATCHSTICK	
LI, SHIQIANG	3,229,646	LUPERCIO, CHRISTIAN	3,229,200	TECHNOLOGIES, INC.	3,229,643
LI, XIANG	3,229,661	LUSTENBERGER, FELIX	3,229,577	MATHEW, LOLITA GEORGE	3,229,224
LI, XIAOFEI	3,229,503	LUTHER NEEDLESAFE		MATHEW, NITHIN PAUL	3,229,174
LI, XIAOPEI	3,229,688	PRODUCTS, LLC	3,229,425	MATHEWS, ROGER	3,229,330
LI, YANG	3,229,303	LYDAY, BRUCE	3,229,583	MATHIS, ELISABETH	3,229,307
LI, YAO	3,229,360	LYLES, JOHN	3,229,545	MATSCITECHNO LICENSING	
LI, YIMING	3,229,250	LYSENTECH CO., LTD.	3,229,593	COMPANY	3,229,326
LI, YINGCHENG	3,229,701	MA, AIMIN	3,229,703	MATSUMOTO, HITOMI	3,229,807
LI, YIQING	3,229,338	MA, JUN	3,229,569	MATSUMOTO, TAKASHI	3,229,496
LI, YUNBO	3,229,338	MA, XIAZHEN	3,229,503	MATSUOKA, YOKY	3,229,318
LI, ZHENPENG	3,229,813	MACHACEK, MATTHIAS	3,229,355	MATSUYAMA, HIRONORI	3,229,750
LI, ZHIYONG	3,229,598	MACHETTIRA, ANU		MATSUZAKI AKIRA	3,229,480
LIAN, WENLONG	3,229,661	BHEEMAIAH	3,229,298	MATSUZAKI, AKIRA	3,229,554
LIANG, BIN	3,229,524	MADOKORO, YASUSHI	3,229,558	MATSUZAKI, AKIRA	3,229,558
LIANG, RAYMOND	3,229,520	MADOLE, GARETT	3,229,572	MATULA, THOMAS J.	3,229,643
LIANG, RAYMOND	3,229,526	MAESTAS, GAVIN	3,229,289	MAUNTZ, RUTH E.	3,229,331
LIAO, YUTING	3,229,360	MAGHODIA, AJAY	3,229,345	MAUSS, CRISTIANE	
LIECHTI, MATTHIAS EMANUEL	3,229,577	MAGHODIA, AJAY	3,229,668	JACQUELINE	3,229,235
LIFTRA IP APS	3,229,792	MAGNETO SPECIAL ANODES B.V.	3,229,198	MAX DELBRUCK-CENTRUM FUR MOLEKULARE	
LIGON, SAMUEL CLARK	3,229,749	MAGNI, GUIDO	3,229,783	MEDIZIN	3,229,244
LIM, DONGGUK	3,229,295	MAGOTTEAUX		MAX-PLANCK-	
LIM, SANG KYUN	3,229,566	INTERNATIONAL S.A.	3,229,427	GESELLSCHAFT ZUR	
LING, YOUQUO	3,229,688	MAGRINI, KEVIN MARTIN	3,229,425	FOERDERUNG DER	
LINK, SELINA	3,229,424	MAGSTROM AB	3,229,699	WISSENSCHAFTEN E.V.	3,229,728
LITTLE, PAUL BRIAN	3,229,686	MAH, PETER SIEW HUN	3,229,285	MAYERL, STEVEN	3,229,199
LIU, CHEN	3,229,469	MAH, PETER SIEW HUN	3,229,798	MAZUR, DANIEL	3,229,536
LIU, CHENGJIE	3,229,639	MAHAJAN, HITESH	3,229,784	MAZZAFERRO, LUCA	3,229,317
LIU, KAIYAN	3,229,522	MAHOUTIAN, MEHRDAD	3,229,380	MCCLELLAN, TYLER JOHN	3,229,584
LIU, LINGYUN	3,229,318	MAINARDI, FABIO	3,229,488	MCCONNELL, BRADLEY K.	3,229,148
LIU, QIANG	3,229,397	MAJERNIK, MARTIN	3,229,158	MCCORMACK, MATTHEW	3,229,441
LIU, RUI	3,229,556	MAK, NGA SZE AMANDA	3,229,160	MCCRACKEN, MICHAEL	3,229,487
LIU, TONGYAO	3,229,345	MAKI, MICHITAROU	3,229,807	MCGEE, GEORGINA J.	3,229,682
LIU, TONGYAO	3,229,668	MALEK, ANDRZEJ	3,229,599	MCKAY, SCOT WAYNE	3,229,529
LIU, WENYUN	3,229,594	MALEK, ANDRZEJ	3,229,603	MCKIBBEN, ETHAN J.	3,227,979
LIU, YAO	3,229,539	MALLER, ORI	3,229,705	MCLAUGHLIN, RONALD P.	3,229,669
LIU, YUN LONG	3,229,457	MALLETTE, DANIEL	3,229,522	MCLAUGHLIN, KIMBERLY	
LIVING PROOF, INC.	3,229,669	MANSOUR, GEORGE	3,229,550	MILER	3,229,234
LOCUS SOLUTIONS IPCO, LLC.	3,229,154	MANTANTZIS, KONSTANTINOS	3,229,613	MCLAUGHLIN, KIMBERLY	
LONBERG, NILS	3,229,824	MAO, JUNHONG	3,229,423	MILLER	3,229,235
LONG, ALAN	3,229,258	MAO, QINGHUA	3,229,524	MCMICHAEL, ANDREW	
LONG, JEFFREY KEITH	3,229,284	MAR, DANIEL S.	3,229,643	JAMES	3,229,447
LONG, JIANG	3,229,569	MARDER, MARCO	3,229,196	MCNAMARA, JOHN MICHAEL	3,229,219
LONG, MARC	3,229,794	MARGOLIN, ALEXEY	3,229,221	MCNERNEY, CHRISTINA	3,229,374
LONGYEAR TM, INC.	3,229,192	MARGOTTA, CHAD		MEADDOUGH, ERIKA L.	3,229,705
LORENZ, ULRIKE	3,229,159	MATTHEW	3,229,449	MEALA FOODTECH LTD	3,229,460
LORENZ, ULRIKE	3,229,396	MARIELECTRONICS OY	3,229,394	MEDIFORM TECHNOLOGY	
LOUCKS, FRANCES ALEXANDRA	3,229,335	MARIS, DACOTA	3,229,218	CORP.	3,229,195
LOUIE, JOHN	3,229,731	MARIS, JOHN	3,229,790	MEDIMMUNE LIMITED	3,229,249
LOZANO, EULALIA JIMENEZ	3,229,249	MARKS, TIMOTHY	3,229,532	MEDIZINISCHE	
LU, XIAO-CHUN	3,229,721	MARQUETTE UNIVERSITY	3,229,664	HOCHSCHULE	
LU, XINGYUN	3,229,397	MARSHALL, DANIEL R.	3,229,226	HANNOVER	3,229,538
		MARSHALL, HEATHER	3,229,684	MEEHAN, TIMOTHY E.	3,229,799
				MEI, JIMMY	3,229,778

Index of PCT Applications Entering the National Phase

MEIER, ROBIN	3,229,258	MITRA, ASHISH SUDHIR	3,229,367	MUSCULOSKELETAL
MELLO, SARITA VERA	3,229,429	MITSEL, PHILIP	3,229,319	TRANSPLANT
MENG, YONG	3,229,701	mitsubishi heavy		FOUNDATION
MENTON, DUANE	3,229,531	INDUSTRIES, LTD.	3,229,479	3,229,794
MENTOR WORLDWIDE LLC	3,229,484	MITSUNOBU, TAKUYA	3,229,519	MYANT INC.
MENTOR WORLDWIDE LLC	3,229,485	MIYAGAWA, MASAYOSHI	3,229,752	3,228,900
MERLIN LABS, INC.	3,229,316	MIZUNO, KAZUNORI	3,229,334	MYASNIKOV, DANIIL
MERSCHHEMKE, MARTIN	3,229,704	MODL.AI APS	3,229,255	3,229,149
MESKERS, DON JR.	3,229,633	MOHAMMADI, HADI	3,229,234	MYRIO THERAPEUTICS PTY LTD
MESSERLE, VLADIMIR	3,229,181	MOHAMMADI, HADI	3,229,235	3,229,790
METABOLON, INC.	3,229,124	MOHANTY, SANAT	3,229,803	NA, PIAW
METSO FINLAND OY	3,229,600	MOHR LIZENZ		NADOLINSKII, ALEXANDR
MEURISSE, JACQUES	3,229,745	VERWALTUNGS GMBH	3,229,723	ANATOLEVICH
MEZZION PHARMA CO., LTD.	3,229,274	MOHR, CHRISTOPH	3,229,723	NAIMAN, ALEXANDER
MICROSOFT TECHNOLOGY LICENSING LLC	3,229,718	MOKUBE, AIDA M.	3,229,609	NAJARIAN, DEAN
MICROSOFT TECHNOLOGY LICENSING, LLC	3,229,454	MOMENTIS SURGICAL LTD.	3,229,319	NAKANO, RYOSUKE
MICROSOFT TECHNOLOGY LICENSING, LLC.	3,229,386	MONIER, CATHERINE	3,229,212	NALLY, KAREN MICHELLE
MIDDLE TENNESSEE STATE UNIVERSITY	3,229,274	MONSANTO TECHNOLOGY LLC	3,229,453	3,229,776
MIDDLETON, THOMAS	3,229,566	MONTGOMERY, WILLIAM D.	3,229,710	NAM, JOONWOO
MIFTAKHOV, VALERY	3,229,581	MOORE, DARREN	3,229,648	NAMGONG, CHAN
MIKESELL, PAUL ANTHONY	3,229,766	MORA-PALE, JUAN		NANJEE, AMYN
MIKKELSEN, BENEDIKTE	3,229,255	MAURICIO	3,229,429	3,229,279
MILLER, LILLIAN JASMINE	3,229,280	MORATTI, FRANCESCA	3,229,659	NANJEE, DANA
MILLER, MARVIN	3,229,556	MORENO ORTIZ, JAIME		NANNAPANENI, VENKAIAH
MILLER, MELANIE	3,229,424	EDUARDO	3,229,457	CHOWDARY
MILLER, PATRICIA	3,229,556	MORGAN, DANIEL P.	3,229,371	3,229,559
MILLER, SANDRA	3,229,746	MORGAN, WAYNE	3,229,174	SRIHARI
MILLET, IAN	3,229,366	MOROZOV, DMITRY		NASH, ANDREA
MILLS, JOHN	3,229,281	VALENTINOVICH	3,229,573	3,229,488
MILNE, GRAHAM F.	3,229,756	MOROZOV, DMITRY		NATCO PHARMA LIMITED
MILZ, RUTH	3,229,731	VALENTINOVICH	3,229,573	3,229,559
MIMROD, DORIT	3,229,117	MORRIS, ELWOOD A.	3,229,724	NATURAL ACADEMY S.R.L.
MIN, KYUNGYOON	3,229,810	MORRISON, DARRYL J.	3,229,181	NAUJOK, JEFFREY ROBERT
MIND MEDICINE, INC.	3,229,158	MOSOLF, VIKTOR		NAVIDEA
MIND MEDICINE, INC.	3,229,577	MOSSE, ALFRED LVOVICH	3,229,580	BIOPHARMACEUTICALS, INC.
MINDSET PHARMA INC.	3,229,358	MOTTA, SAMUEL YANA	3,229,587	3,229,294
MINDSET PHARMA INC.	3,229,359	MOULIS, CLAIRE	3,228,735	NAYAK, GAUTAM
MINDSET PHARMA INC.	3,229,361	MOVEAWHEEL, INC.	3,229,216	3,229,177
MINE RIGHT TECHNOLOGIES, LLC	3,229,364	MU, LIWEI	3,229,724	NAZIR, MUHAMMAD RASHID
MINETEK INVESTMENTS PTY LTD	3,229,658	MUDDASANI, PULLA REDDY	3,229,181	NDT GLOBAL CORPORATE
MINIA, IGOR	3,229,244	MUELLER, CHRISTIAN		LTD.
MIRVAKILI, SEYED MOHAMMAD	3,229,404	MUELLER, KATHERINE	3,229,597	3,229,624
MIRVALAD, JAVAD	3,229,380	PAIGE	3,229,450	NECKERMAN, PATRIK
MIS.CARBONART PTY LTD (A SUBSIDIARY OF MINERAL RESOURCES LIMITED)	3,229,161	MULLEN, ANNMARIE	3,229,484	3,229,203
MIS.CARBONART PTY LTD (A SUBSIDIARY OF MINERAL RESOURCES LIMITED)	3,229,165	MULLER, ALEXEY	3,229,724	NEEDLEMAN, DAVID
MIS.CARBONART PTY LTD (A SUBSIDIARY OF MINERAL RESOURCES LIMITED)	3,229,168	MULLER, BENEDIKT	3,229,738	3,229,778
MISTRY, BHARATKUMAR BABUBHAI	3,229,598	MUNIR, WAQAS	3,229,475	BERNEY
		MUNN, CORBIN	3,229,596	NEFEDOV, NIKOLAI
		MUNTERS EUROPE		3,229,518
		AKTIEBOLAG	3,229,734	NEOVACS
		MURAOKA, DAISUKE	3,229,245	3,229,324
		MUREVA PHOTOTHERAPY INC.		NERUR, SANTOSH
		MURI, JOHN	3,229,815	3,229,208
		MURISON, IAN	3,229,425	NEUROCRINE BIOSCIENCES, INC.
		MURRAY, FERGAL	3,229,456	3,229,341
		MURRAY, FERGAL	3,229,362	NEVILLE, OLIVIA
		MURTHY, VISHNU	3,229,365	3,229,697
		MURTHY, VISHNU	3,229,472	NEWMAN, MATTHEW
		MURUGANATHAN, SIVA	3,229,473	3,229,451
			3,229,578	NEWTECH WELLNESS CO., LTD.
				3,209,866
				NEWTON, TREVOR WILLIAM
				3,229,464
				NEWTON, TREVOR WILLIAM
				3,229,466
				NEWTON, TREVOR WILLIAM
				3,229,791
				NEXABIOME LIMITED
				3,229,310
				NG, KIM CHOON
				3,229,321
				NG, PUI YEE
				3,229,293
				NGUYEN, NOAH
				3,229,281
				NI, JIA
				3,229,360
				NIANTIC, INC.
				3,229,706
				NICKLIN, PAUL
				3,229,735
				NICOVENTURES TRADING LIMITED
				3,229,455

Index des demandes PCT entrant en phase nationale

NICOVENTURES TRADING LIMITED	3,229,456	OBARA, HIROKI OBERSTRASS, FLORIAN OBESO DUQUE, ALEKSANDRA OCADO INNOVATION LIMITED	3,229,333 3,229,536 3,229,576 3,229,742 3,229,401 3,229,401 3,229,815 3,229,530 3,229,535 3,229,537 3,229,239 3,229,512 3,229,605 3,229,606 3,229,174 3,229,621 3,229,335 3,229,562 3,229,564 3,229,760 3,229,657 3,229,279 3,229,285 3,229,798 3,229,595 3,229,185 3,229,185 3,229,569 3,229,197 3,229,197 3,229,688 3,229,379 3,229,375 3,229,304 3,229,682 3,229,193 3,229,750 3,229,220 3,229,222 3,229,230 3,229,236 3,229,237 3,229,241 3,229,243 3,229,595 3,229,372 3,229,700 3,229,473 3,229,700 3,229,543	PACIRA THERAPEUTICS, INC. PACKE-WIRTH, RAINER PADILLA, FERNANDO PAGAN, JENNIFER GODWIN PAIRWISE PLANTS SERVICES, INC. PAITHANKAR, DILIP PALCZEWSKI, MARCIN PALMER, JASON PALMER, JASON PAN, HUA PARIS, THOMAS PARISOTTO, EMILIO PARK, DOHYUN PARK, MIN SUNG PARKER, ERICA N. PARSLEY, ALEXANDER PARSONS, JONATHAN PARTHASARATHY, VAISHNAVI PASKALOV, GEORGE Z. PASMA, KEVIN PASSALACQUA, ILARIA PATEL, AMIT J. PATEL, MANISH PATEL, NIMESHKUMAR PATEL, RAJESHRIBEN PATEL, YATRIK J. PATERSON, SEAN PAVLICK, TIM PAWAR, GAJANAN PAZ, ELIA PEARSON, THOMAS CLARK PEDERSEN, CHRISTOFFER HOLMGARD PEDERSEN, MICHAEL PEDLAR, ROGER PEREPELKINA, MARIYA PAVLOVNA PEREZ, ELIZABETH MAOURA PEREZ-LOYA, JOSE PEREZ-VARELA, OSVALDO PERICHARLA, SAMYUKTHA PERKINS, RUSSELL WAYNE PERLBARG, VINCENT PERMASTORE LIMITED PERTL, CORDULA PESOLA, MIKKO PETERS, VICTOR PETKOVA, AKSINIYA LYUBENOVA PETRUZZELLA, AARON PETRY, ANDY PHARMALA BIOTECH INC. PHILIP MORRIS PRODUCTS S.A. PHOTONIS FRANCE PIC THERAPEUTICS, INC. PICHAT, ANNE PICHAT, ANNE PICHE, OLIVIER PICKETT, LUKE JAMES PIEL, WALTER HARDY PIERSON, JEAN-FRANCOIS	3,229,597 3,229,431 3,229,293 3,229,283 3,229,224 3,229,149 3,229,676 3,229,562 3,229,564 3,229,639 3,229,186 3,229,296 3,229,566 3,229,568 3,229,539 3,229,531 3,229,756 3,229,529 3,229,181 3,229,382 3,229,774 3,229,810 3,229,376 3,229,633 3,229,682 3,229,292 3,229,318 3,229,449 3,229,279 3,229,261 3,229,756 3,229,255 3,229,349 3,229,531 3,229,587 3,229,705 3,229,699 3,229,756 3,229,289 3,229,346 3,229,337 3,229,452 3,229,203 3,229,097 3,229,236 3,229,280 3,229,302 3,229,786 3,229,363 3,229,575 3,229,264 3,229,560 3,229,205 3,229,207 3,229,186 3,229,552 3,229,522 3,229,302 3,229,197 3,229,197 3,229,688 3,229,379 3,229,375 3,229,304 3,229,682 3,229,193 3,229,750 3,229,220 3,229,222 3,229,230 3,229,236 3,229,237 3,229,241 3,229,243 3,229,595 3,229,372 3,229,700 3,229,473 3,229,700 3,229,543
NICOVENTURES TRADING LIMITED	3,229,582	ALEKSANDRA OCADO INNOVATION LIMITED	3,229,576	PAGAN, JENNIFER GODWIN PAIRWISE PLANTS SERVICES, INC.	3,229,283 3,229,224
NIEDERER, KYLE	3,229,539	OGOSHI, YOSUKE	3,229,401	PAITHANKAR, DILIP	3,229,149
NIELSEN, ALEX TOFTGAARD	3,229,804	OHBA, YUSUKE	3,229,401	PALCZEWSKI, MARCIN	3,229,676
NIHON NOHYAKU CO., LTD.	3,229,258	OJA, JORDAN	3,229,815	PALMER, JASON	3,229,562
NIKE INNOVATE C.V.	3,229,371	OKA, NOBUYUKI	3,229,530	PALMER, JASON	3,229,564
NILSSON, ANDREAS	3,229,578	OKA, NOBUYUKI	3,229,535	PAN, HUA	3,229,639
NIPPI, INCORPORATED	3,229,334	OKAY, MEHMET SINAN	3,229,537	PARIS, THOMAS	3,229,186
NIPPON STEEL CORPORATION	3,229,066	OKUDA, ATSUSHI	3,229,239	PARISOTTO, EMILIO	3,229,296
NIPPON STEEL CORPORATION	3,229,519	OLAYIWOLA, BOLAJI	3,229,512	PARK, DOHYUN	3,229,566
NIPPON STEEL CORPORATION	3,229,772	OLAYIWOLA, BOLAJI	3,229,605	PARK, MIN SUNG	3,229,568
NISHIMARU, TATSUYA	3,229,401	OLSEN, ERIC PETER	3,229,174	PARKER, ERICA N.	3,229,539
NISHIMOTO, KEVIN	3,229,705	OMICRON ELECTRONICS GMBH	3,229,621	PARSLEY, ALEXANDER	3,229,531
NISHIYA, HARUE	3,229,748	OMNIOX INC.	3,229,335	PARSONS, JONATHAN	3,229,756
NITZ, JACOB	3,229,350	OMNITRACS, LLC	3,229,562	PARTHASARATHY, VAISHNAVI	3,229,529
NIU, JIANGHONG	3,228,912	OMNITRACS, LLC	3,229,564	PASKALOV, GEORGE Z.	3,229,181
NIWA, MASAKI	3,229,239	OPPOLZER, FLORIAN ANDREAS	3,229,760 3,229,657 3,229,279	PASMA, KEVIN PATEL, AMIT J.	3,229,382
NOBORISATO, TOMOKI	3,229,479	ON POINT DISTILLATION LLC	3,229,606	PATEL, MANISH	3,229,376
NOLTE, KEVIN	3,229,218	ONCOTECT, INC.	3,229,174	PATEL, NIMESHKUMAR	3,229,633
NOMAD BIOSCIENCE GMBH	3,229,421	ONYX LOTUS, LLC	3,229,185	PATEL, RAJESHRIBEN	3,229,682
NOMAD BIOSCIENCE GMBH	3,229,458	OPPOLZER, FLORIAN ANDREAS	3,229,185	PATEL, YATRIK J.	3,229,292
NOMAD BIOSCIENCE GMBH	3,229,491	OPPOLZER, FLORIAN ANDREAS	3,229,185	PATERSON, SEAN	3,229,318
NORMA GERMANY GMBH	3,229,419	OPPOLZER, FLORIAN ANDREAS	3,229,185	PAVLICK, TIM	3,229,449
NORMAN, JOHN PAUL	3,229,465	OPT INDUSTRIES, INC.	3,229,569	PAWAR, GAJANAN	3,229,279
NORQUIST, THOMAS ROBERT	3,229,307	OQAB DIETRICH INDUCTION INC.	3,229,193	PAZ, ELIA	3,229,261
NORTEK AIR SOLUTIONS CANADA, INC.	3,229,233	OQAB, HAROON B.	3,229,193	PEARSON, THOMAS CLARK	3,229,756
NORTHGATE TECHNOLOGIES INC.	3,229,200	OR, YAT SUN	3,229,569	PEDERSEN, CHRISTOFFER HOLMGARD	3,229,255
NOSOV, MIKHAIL	3,229,149	ORGANIK KIMYA NETHERLANDS BV	3,229,197	PEDERSEN, MICHAEL	3,229,349
NOVA CHEMICALS CORPORATION	3,229,216	ORGANIK KIMYA SAN. VE TIC. A.S.	3,229,197	PEDLAR, ROGER	3,229,531
NOVA CHEMICALS CORPORATION	3,229,512	ORICA INTERNATIONAL PTE LTD	3,229,688	PEREPELKINA, MARIYA PAVLOVNA	3,229,587
NOVA CHEMICALS CORPORATION	3,229,605	ORICCHIO, ELISA	3,229,379	PEREZ, ELIZABETH MAOURA	3,229,705
NOVA CHEMICALS CORPORATION	3,229,296	ORICELL THERAPEUTICS CO., LTD.	3,229,375	PEREZ-LOYA, JOSE	3,229,699
NOVARTIS AG	3,229,704	ORTHO SOFTWARE ULC	3,229,304	PEREZ-VARELA, OSVALDO	3,229,756
NOVARTIS AG	3,229,746	ORTIZ, ADRIAN	3,229,682	PERICHARLA, SAMYUKTHA	3,229,289
NOVIKOV, ALEXANDER	3,229,296	OSIPOV, ALEKSANDR OSKAM, GARETH W.	3,229,237	PERKINS, RUSSELL WAYNE	3,229,346
NTN BEARING CORPORATION OF AMERICA	3,229,541	OSPEDALE SAN RAFFAELE S.R.L. (OSR)	3,229,237	PERLBARG, VINCENT	3,229,337
NUNES, ROBERTO NEVES	3,229,711	OTSUKA PHARMACEUTICAL CO., LTD.	3,229,237	PERMASTORE LIMITED	3,229,452
NUTCRACKER THERAPEUTICS, INC.	3,229,641	OTTEN, BERNWARD	3,229,237	PERTL, CORDULA	3,229,203
NYKJAR, ANDERS	3,229,686	OTTEN, BERNWARD	3,229,237	PESOLA, MIKKO	3,229,097
NYLEN, OTTO	3,229,482	OTTEN, BERNWARD	3,229,237	PETERS, VICTOR	3,229,236
O'BRIEN, ULTAN	3,229,362	OTTEN, BERNWARD	3,229,237	PETKOVA, AKSINIYA	3,229,280
O'BRIEN, ULTAN	3,229,365	OTTEN, BERNWARD	3,229,237	LYUBENOVA	3,229,302
O'CONNELL, CASSIDY	3,229,793	OTTEN, BERNWARD	3,229,241	PETRUZZELLA, AARON	3,229,786
O'CONNELL, XAVIER	3,229,472	OTTEN, BERNWARD	3,229,243	PETRY, ANDY	3,229,205
O'CONNELL, XAVIER	3,229,473	OU, JIFEI	3,229,595	PHARMALA BIOTECH INC.	3,229,363
O'CONNELL, XAVIER	3,229,478	OUELLET, JEAN-NICOLAS	3,223,372	PHILIP MORRIS PRODUCTS S.A.	3,229,575
O'CONNOR, DEVIN	3,229,224	OXYGEN BIOTECH LLC	3,229,700	PHOTONIS FRANCE	3,229,264
O'CONNOR, THOMAS	3,229,747	OZER, CANAN	3,229,473	PIC THERAPEUTICS, INC.	3,229,560
O'SULLIVAN, NIALL	3,229,362	PACAK, TOMAS	3,229,700	PICHAT, ANNE	3,229,205
O'SULLIVAN, NIALL	3,229,365	PACHECO, NUNO	3,229,543	PICHE, OLIVIER	3,229,207
				PICKETT, LUKE JAMES	3,229,186
				PIEL, WALTER HARDY	3,229,552
				PIERSON, JEAN-FRANCOIS	3,229,902

Index of PCT Applications Entering the National Phase

PIHEROVA, LENKA	3,229,590	RAJASUBRAMANIAN,		ROQUETTE FRERES	3,229,608
PILLAI, MEEENU	3,229,539	SHANMUGASUNDARAM	3,229,174	ROSE, THIERRY	3,229,444
PINHEIRO, MIGUEL AMAVEL DOS SANTOS	3,229,158	RAJENDRAN, RAHUL R.	3,229,281	ROSEN, DAVID K.	3,229,567
PIRRUNG, FRANK	3,229,431	RALPH, DAVID A.	3,229,294	ROSENTRATER, EMILY	3,229,448
PISCOPO, NICOLE JENINE	3,229,450	RAMCHANDANI, SHYAMLAL	3,229,090	ROSOL, MICHAEL	3,229,294
PIZZO, MICHELLE E.	3,229,542	RAMETTE, MATTIEU	3,229,608	ROTEM, IDAN	3,229,319
PIZZUT-SERIN, SANDRA	3,229,608	RAMIREZ, HELOISA OGUSHI		ROTH, HOWARD S.	3,229,226
PLANAS, SAMANTHA M.	3,229,810	ROMEIRO	3,229,712	ROTH, SINA	3,229,299
PLANT HEADS	3,229,265	RANTA, STEVEN WILLIAM	3,229,454	ROTHWELL, PAUL	3,229,395
PLAYCORE WISCONSIN, INC.	3,229,307	RAPIDAIM HOLDINGS PTY LTD	3,229,648	ROU, CHRISTOPHE	3,229,151
PLUG POWER INC.	3,229,322	RASIA, GISELE MARSCHNER	3,229,235	ROWEN, EITAN	3,229,462
PODSCHUN, JACOB	3,229,368	RASSMAN, WILLIAM	3,229,567	ROY, CHARLOTTE ELLEN	3,229,332
POHLUDKA, MICHAL	3,229,590	RASTELLI, ETTORE	3,229,539	RUAN, HAI XIONG	3,229,163
POLLEFEYT, GLENN	3,229,599	RAU, THOMAS STEPHAN	3,229,538	RUBERA, ISABELLE	3,229,432
POLLEFEYT, GLENN	3,229,603	RAYO, AMY	3,229,746	RUBIN, LAWRENCE D.	3,229,714
POLYMER ADHESIVES, LLC	3,229,540	RECHINA MATEOS, ENRIQUE	3,229,392	RUELLA, MARCO	3,229,193
POSCO CO., LTD	3,229,434	REDDY, RAVISEKHARA P.	3,229,284	RUSSELL, MARK, W.	3,229,274
POTTKER, GUSTAVO	3,229,607	REDL, STEPHANIE	3,229,804	RUTKOSKI, THOMAS J.	3,229,430
POWELL, BENJAMIN FRASER	3,228,899	REED, SCOTT ELLISON	3,229,296	SABIN, DOUGLAS G.	3,229,596
POWELL, CHAD	3,229,557	REES-JONES, BLYTHE	3,229,514	SACCOMANDO, DANIEL J.	3,229,332
PPC BROADBAND FIBER LTD.	3,229,351	REFLOW MEDICAL, INC.	3,229,673	SACHSENHAUSER, BERNHARD	3,229,659
PPC BROADBAND, INC.	3,229,330	REGENERON		SADIQ, MUHAMMAD WAQAS	3,229,249
PRESTA, LEONARD	3,229,824	PHARMACEUTICALS, INC.	3,229,369	SAFE AND COVER AB	3,229,271
PRETORIUS, GERHARD	3,229,446	REINECKER, GREG	3,229,350	SAGEL, PAUL ALBERT	3,229,223
PRICE, ANDREW PATRICK	3,229,746	REINGRUBER, ANNA MARIA	3,229,298	SAHA, KRISHANU	3,229,450
PRISMA PHOTONICS LTD	3,229,462	REINGRUBER, ANNA MARIA	3,229,299	SAILER, CHRISTIAN	3,229,544
PROBIOGEN AG	3,229,203	REINHARDT, ULF	3,229,167	SAINZ AVILA, OSCAR	3,229,392
PROCHASKA, HEIKE	3,229,421	REINHARDT, ULF	3,229,175	SAITO, MAMORU	3,229,519
PROCTER & GAMBLE COMPANY	3,229,223	REINHARDT, ULF	3,229,182	SAKAGUCHI, TAKUYA	3,229,530
PROCTER & GAMBLE COMPANY	3,229,228	REITER, BRUNO	3,229,667	SAKURAI, KENTARO	3,229,401
PRODAN, NICOLE	3,229,148	REMAUD-SIMEON, MAGALI	3,229,809	SANCHEZ, MARIANA	
PROFILATOR GMBH & CO. KG	3,229,268	REMAUT, HAN	3,229,608	VASQUEZ	3,229,571
PROKOFYEV, ALEXANDER VLADIMIROVICH	3,229,587	RENOCK, SEAN MICHAEL	3,228,422	SANDIG, VOLKER	3,229,203
PROSPERO GHIA, PAOLO	3,229,193	RENOCK, SEAN MICHAEL	3,229,773	SANDLER, VLADISLAV M.	3,229,520
PROVE IDENTITY, INC.	3,229,187	RENshaw, BLAIR	3,229,776	SANDLER, VLADISLAV M.	3,229,526
PROZOROVSCIA, DANIELA	3,229,741	REYNAUD, ERIC	3,229,160	SANDVIK MINING AND	
PRUDENT, MATHILDE	3,228,902	RHODES, DANIEL REED	3,229,745	CONSTRUCTION OY	3,229,097
PRUNNILLA, MIKA	3,229,164	RICHARD, ALAIN	3,229,707	SANDVIK MINING AND	
PTC THERAPEUTICS, INC.	3,229,539	RILEY, XAVIER	3,229,379	CONSTRUCTION OY	3,229,184
PUGH, STEVEN FRANKLIN	3,229,283	RING, AARON	3,229,546	SANDVIK MINING AND	
PULSENMORE LTD.	3,229,261	RISI, SEBASTIAN	3,229,251	CONSTRUCTION OY	3,229,677
PUNKOSDY, GEORGE	3,229,448	RIVER 2 RENAL CORP.	3,229,255	SANFILIPPO TECH, LLC	3,229,501
PUPIER, CHRISTOPHE GERARD	3,228,902	RIVEST, JOEL	3,229,783	SANFILIPPO, JAMES, J.	3,229,501
PUROHIT, NILESH	3,229,607	RIZK, ISA	3,229,179	SANFILIPPO, JOHN	3,229,501
PUURA, JUSSI	3,229,184	ROIZZOLO ROUSTAYAN, KAMRAN DANIEL	3,229,673	SANGA, PANNA	3,229,731
QI, XIAOQUAN	3,229,703	RO?CA, GEORGIANA MIRUNA	3,229,711	SANGHANI, JAY	3,229,472
QIAN, ZIQING	3,229,661	ROBERTSON, MARK	3,229,354	SANJEEVAN CABEZA, KIRAN	3,229,315
QUICKMIRE, LEE	3,229,269	ROBINSON, MATTHEW	3,229,451	SANSON, MURILO LAUER	3,229,234
RADINA, MARTIN	3,229,590	ROCHEBLAVE, LAURENT	3,229,778	SANSON, MURILO LAUER	3,229,235
RAE, JACK WILLIAM	3,229,296	ROCHEBLAVE, LAURENT	3,229,611	SANTOS, ANA RITA	3,228,422
RAHBÆK BOILESEN, DITTE	3,229,203	ROCHEBLAVE, LAURENT	3,229,612	SANTOS, ANA RITA	3,229,305
RAHIMABADY, MOJTABA	3,229,342	ROCHETTE, FELIX	3,229,614	SANZ, IGNACIO	3,229,193
RAHMAN, SAJIDUR	3,229,507	RODDEN, STEVEN MICHAEL	3,229,616	SARASPE, LOUISE ARMIE	3,229,450
RAIMONDI COMINESI, STEFANO	3,229,742	RODRIGUEZ-GRANILLO, AGUSTINA	3,229,372	SARDENBERG, LUCAS INOUE	3,229,679
RAITT, STEPHEN J.	3,229,525	ROLAPAL LIMITED	3,229,678	SARNOWSKI, NICHOLAS	3,229,152
RAJAIAH, JAYANTH	3,229,223	ROLLET, NICOLAS	3,229,671	SATO, SHIMPEI	3,229,401
RAJAN, SHINY AMALA PRIYA	3,229,596	RON, ADAM	3,229,319	SAUNDERS, KEVIN O.	3,229,447
		RONZANI, ALBERTO	3,229,164	SAWADA, SHIN-ICHI	3,229,245
				SAWAI, YU	3,229,239
				SAWHNEY, RAVI KUMAR	3,229,506
				SAYFA R&D PTY LTD	3,183,209
				SCANLON, ELIZABETH	3,229,448

Index des demandes PCT entrant en phase nationale

SCARD, NICHOLAS	3,229,269	SER DAYANIKLI TUKETIM	SHLUZAS, ALAN E.	3,229,626
SCARLETT, ROYDON	3,229,523	MALLARI IC VE DIS	SHRESTHA, ELINA	3,229,520
SCHAAB, JOCHEN	3,229,738	TICARET SANAYI	SHRESTHA, ELINA	3,229,526
SCHAFF, ANTHONY LAWRENCE	3,229,346	ANONIM SIRKETI	SHROCK, DANIEL WAYNE	3,229,320
SCHANZ, ROBERT	3,229,675	SERE-PEYRIGAIN, PIERRE	SHUGAEVA, TATIANA	
SCHELL, VIKTOR	3,229,538	SERGEV, ALEXANDER	EVGENIEVNA	3,229,573
SCHELLHORN, NANCY	3,229,648	IGOREVICH	SHUGAEVA, TATIANA	
SCHEPK, KYLE	3,229,371	SERON ELECTRONICS LTD.	EVGENIEVNA	3,229,580
SCHILLER AUTOMATISIERUNGSTE CHNIK GMBH	3,229,505	SERRA, VINCENT	SHUGAEVA, TATIANA	
SCHLAGE LOCK COMPANY LLC	3,229,572	SETH, SANDESH	EVGENIEVNA	3,229,587
SCHLICHT, AARON J.	3,229,572	SETHI, ANKIT	SIEMENS INDUSTRY, INC.	3,229,196
SCHLOTTTHAUER, RUDOLF	3,229,134	SETHI, ANKIT	SILVA, SAULO DE MELO	
SCHLUMBERGER CANADA LIMITED	3,229,457	SETHURAMAN, NATARAJAN	XAVIER	3,229,712
SCHMACK BIOGAS SERVICE GMBH	3,229,561	SEVERAC, ETIENNE	SILVA-MONROY, CESAR A.	
SCHMAUCKS, GERD	3,229,368	SG SCHAUMGLAS GMBH &	SIM, DOUGLAS HAK HIAN	3,229,799
SCHMEING, ANDRE	3,229,595	CO. KG	SIMANZHENKOV, VASILY	3,229,404
SCHMUTZLER, DIRK	3,229,298	SGOURAKIS, NICKOLAOS	SIMANZHENKOV, VASILY	3,229,512
SCHMUTZLER, DIRK	3,229,299	SHAH, NISARG	SIMANZHENKOV, VASILY	3,229,605
SCHNATTERER, STEFAN	3,229,298	PRAVINKUMAR	SIMONS, RICHARD MARK	3,229,606
SCHNATTERER, STEFAN	3,229,299	SHAH, TUSHAR	SING, MICHELLE KAY	3,229,283
SCHNECK, ANDREW JOHN	3,229,630	SHAH, TUSHAR	SING, MICHELLE KAY	3,229,234
SCHNEIDER, DAVID	3,229,419	SHAHANI, KOMAL	SINGH, AJEET KUMAR	3,229,235
SCHOENENBERGER, IVO	3,229,544	SHAHZAD, MUHAMMAD	SINGH, INDER PAL	3,229,273
SCHOFIELD, RUTH	3,229,188	WAKIL	SINGH, MANDEEP	3,229,598
SCHONLEBER, RALPH O.	3,229,418	SHAN, LU	SINGH, SHRADHA	3,229,374
SCHROEDER, GARY L.	3,229,153	SHANGHAI CHINAUST	SINOVEDA CANADA INC.	3,229,598
SCHUBERT, CHRISTIAN	3,229,749	AUTOMOTIVE PLASTICS	SIRION BIOTECH GMBH	3,229,494
SCHUH, MELINA	3,229,728	CO., LTD.	SIROCHINSKY, CARINA	3,229,203
SCHULTHEIS, ERIC	3,229,694	SHANGHAI HANSOH	RACHEL	3,229,520
SCHUMACHER, KURT, R.	3,229,274	BIOMEDICAL CO., LTD.	SIROCHINSKY, CARINA	
SCHUSTER, STEPHEN	3,229,193	SHANGHAI HANSOH	RACHEL	3,229,526
SCHWAIGER, BERNHARD	3,229,368	BIOMEDICAL CO., LTD.	SIVO, FRANK	3,229,153
SCHWARTZ, ROBERT J.	3,229,148	SHANGHAI LEADINGTAC	SIWA CORPORATION	3,229,602
SCHWEIDENBACK, CATHERINA	3,229,536	PHARMACEUTICAL CO.,	SKEGRO, DARKO	3,229,746
SCOTT, MICHAEL	3,229,797	LTD.	SKORA, ANDREW DIXON	3,229,520
SCUCCIMARRA, ERIC ANTOINE	3,229,741	SHANGHAI RESEARCH	SKORGE, ROBERT	3,229,472
SEA RAY CONSTRUCTION LLC	3,229,764	INSTITUTE OF	SKORGE, ROBERT	3,229,473
SEBASTIAO DOMINGUES JUNIOR, NEI	3,229,235	PETROCHEMICAL	SLASSI, ABDELMALIK	3,229,358
SEBASTIO DOMINGUES JUNIOR, NEI	3,229,234	TECHNOLOGY, SINOPEC	SLASSI, ABDELMALIK	3,229,359
SEDUNOV, ALEKSANDR	3,229,304	SHANGHAI SHENGDI	SLASSI, ABDELMALIK	3,229,361
SEHGAL, ASHISH	3,229,273	PHARMACEUTICAL CO.,	SLEIJSTER, HENRY	3,229,201
SEISER, TOBIAS	3,229,464	LTD.	SLOAN, TODD F.	3,227,979
SEISER, TOBIAS	3,229,466	SHAO, HUI	SMARTFEM MEDICAL	
SEISER, TOBIAS	3,229,791	SHARIFF, ROXANNA	TECHNOLOGY PTY LTD	3,229,586
SEKAR, VYAS	3,229,441	SHARIFF, ROXANNA	SMIATEK, JENS	3,229,424
SELIG GRAND RAPIDS LLC	3,229,391	SHARPE, PAULA LOUISE	SMILEY, JANELLE	3,229,216
SELIG GRAND RAPIDS LLC	3,229,393	SHAW, THOMAS J.	SMITH, CHAD	3,229,219
SEM, DANIEL S. INCORPORATED	3,229,664	SHEINTOP, UZZIEL	SMITH, ERIC	3,229,219
SENTER, REBECCA K.	3,229,803	SHELNUTT, SAMUEL	SMITH, MARK E.	3,229,218
SEO, HYUN KYU	3,229,597	SHEN, MEIYUE	SMITH, WILLIAM NOVIS	3,229,570
	3,229,449	SHEN, RUICHAO	SNEDEKER, JONATHAN	3,229,787
		SHENDURE, JAY	SNEDEKER, JONATHAN	3,229,789
		SHENOY, BHAMI	SNOPEK, THOMAS A.	3,229,525
		SHEW, GEOFFREY JASON	SNUGGS, JOSEPH W.	3,229,597
		SHI, YUNMING	SO, CHUN	3,229,728
		SHI, YUNMING	SOCIETE DES PRODUITS	
		SHIELDS, RHONDA	NESTLE S.A.	3,229,488
		SHIN, YOUNG SOOK	SOCIETE DES PRODUITS	
		(DECEASED)	NESTLE S.A.	3,229,613
		SHIONOGI & CO., LTD.	SOFTBANK CORP.	3,229,741
		SHLUSH, LIRAN	SOFTBANK CORP.	3,229,530
			SOKOL, NELLY	3,229,535
				3,229,319

Index of PCT Applications Entering the National Phase

SOLA-MORALES I SERRA, ORIOL	3,229,343	STEYER, PHILIPPE STOIBER, PETER STOKES, JOHN W.	3,228,902 3,229,505 3,229,292	TARAS, MICHAEL F TARSHYN&CO LIMITED TARSHYN, STANISLAV	3,229,208 3,229,470
SOLAR TURBINES INCORPORATED	3,229,682	STORA ENSO OYJ	3,229,482	IVANOVYCH	3,229,470
SOLIMAN, EVERTON PIRES	3,229,712	STRAND, ROSS	3,229,223	TASRIF PHARMACEUTICAL, LLC	
SOLIMAN, NADIA	3,229,423	STRAND, ROSS	3,229,228	TAUGER, STEPHANE	3,229,327
SOLVAY SPECIALTY POLYMERS USA, LLC	3,229,557	STRATA ONCOLOGY, INC.	3,229,707	TAYLOR, JAMES	3,229,240
SOMPEX IM- UND EXPORT, HANDELSGESELLSCHAFT MIT BESCHRANKTER HAFTUNG & CO. KOMMANDITGESELLSC HAFT	3,229,390	STRATER, JAY NIKOLAEVNA	3,229,183	TAZURU, KEISUKE TECHNOLOGICAL RESOURCES PTY LTD	3,229,671 3,229,750 3,229,798
SONE, MASAYUKI	3,229,750	STRELKOVA, ANNA	3,229,573	TECHNOLOGICAL RESOURCES PTY.	
SONG, BO	3,229,703	STRELKOVA, ANNA	3,229,580	LIMITED	3,229,285
SONG, DELONG	3,229,472	NIKOLAEVNA	3,229,587	TEKNOLOGIAN	
SONG, DELONG	3,229,473	SU, CHONG	3,229,439	TUTKIMUSKESKUS VTT OY	3,229,164
SONG, DELONG	3,229,478	SU, WANG	3,229,368	TELEFONAKTIEBOLAGET LM	
SONG, KI BOK	3,229,350	SU, WENDY	3,229,388	ERICSSON (PUBL)	3,229,576
SONG, ZHIJUN	3,229,703	SUBRAMANIAN, NISHA	3,229,153	TELEFONAKTIEBOLAGET LM	
SONGULASHVILI, GEORGE	3,229,169	SUDO, TOSHIKI	3,229,704	ERICSSON (PUBL)	3,229,578
SONI, MAHESHKUMAR PARASMALJI	3,229,273	SUGIURA, TAKUYA	3,229,750	TELIX PHARMACEUTICALS (INNOVATIONS) PTY LTD	3,229,588
SONNENSCHEIN, ELAZAR	3,229,261	SUKUP MANUFACTURING COMPANY	3,229,479	TELIX PHARMACEUTICALS (INNOVATIONS) PTY LTD	
SONOMACEUTICALS, LLC	3,229,785	SULLIVAN, DEREK	3,229,320	TERRAN BIOSCIENCES INC.	3,229,589
SOOKIASIAN, DANIELLE LAUREN	3,229,711	SUN, GUANGJUN	3,229,786	TERRAN BIOSCIENCES INC.	3,229,591
SOUCY INTERNATIONAL INC.	3,229,672	SUN, HESONG	3,229,800	TERRY-LORENZO, RYAN	3,229,713
SOUTHSTAR TECHNOLOGIES LIMITED	3,229,357	SUN, ZHONGQU	3,229,366	TESDORPF, JENS EDWARD	3,229,739
SPARKS, JOSHUA ALEXANDER	3,229,425	SUNCOAL INDUSTRIES GMBH	3,229,639	THALES DIS FRANCE SAS	3,229,544
SPAZZOLA, VICTOR	3,229,212	SUNDHOLM, GORAN	3,229,368	THANOS, CHRISTOPHER	3,229,281
SPECTRONIX LTD.	3,229,260	SUNG, YONDUCK	3,229,394	THE CHANCELLOR, MASTERS AND SCHOLARS OF THE	
SPECTRUM BRANDS, INC.	3,229,382	SURROZEN OPERATING, INC.	3,229,682	UNIVERSITY OF OXFORD	3,229,447
SPIEGEL, PETER G.	3,229,349	SUTO MIKITO	3,229,303	THE CHARLES STARK DRAPER LABORATORY,	
SPRINGATE, CHRISTOPHER MICHAEL KEVIN	3,229,366	SUTO, MIKITO	3,229,480	INC.	3,229,565
SPYRA, NIKOLAUS	3,229,627	SUTTON, JOSEPH	3,229,554	THE CHILDREN'S HOSPITAL OF PHILADELPHIA	
ST. GEORGE, DONALD	3,229,760	SUZANO S.A.	3,229,558	THE GOVERNMENT OF THE UNITED STATES,	3,229,487
STABLO, FREDERIC	3,229,611	SUZUKI, ASAKI	3,229,455	THE JOHNS HOPKINS UNIVERSITY	
STABLO, FREDERIC	3,229,612	SWANSON, RONALD V.	3,229,712	THE KANSAI ELECTRIC POWER CO., INC.	3,229,374
STABLO, FREDERIC	3,229,614	SWIECH, OLGA	3,229,389	THE LUBRIZOL CORPORATION	3,229,479
STADELMAIER, ANDREAS	3,229,418	SYDORENKO, NADIYA	3,229,430	THE LUBRIZOL CORPORATION	
STAHL, GAD	3,229,687	SYMPHONI BIOTECH INC.	3,229,288	THE PROCTER & GAMBLE COMPANY	3,229,306
STAHL, GAD	3,229,689	SYNERLINK	3,229,678	THE PROCTER & GAMBLE COMPANY	
STALLBAUMER, CODY MICHAEL	3,229,584	SYNOWIEC, KATARZYNA	3,229,539	THE PROCTER & GAMBLE COMPANY	3,229,308
STAMATOPoulos, KOSTAS	3,229,193	SYNTTHON B.V.	3,229,339	THE PROCTER & GAMBLE COMPANY	
STEPHAN, ANETT	3,229,421	SYSTIMMUNE, INC.	3,229,240	THE PROCTER & GAMBLE COMPANY	3,229,332
STEPHAN, ANETT	3,229,458	TAHLAN, VARUN	3,229,553	THE PROCTER & GAMBLE COMPANY	
STEPHAN, ANETT	3,229,491	TAKASE, TOMONORI	3,229,160	THE PROCTER & GAMBLE COMPANY	3,229,370
STERN, CHRIS	3,229,380	TAKEBAYASHI, HIROSHI	3,229,708	THE PROCTER & GAMBLE COMPANY	
STERRITT, OLIVER WILLIAM	3,229,588	TAKECHI, SHINGO	3,229,334	THE PROCTER & GAMBLE COMPANY	3,229,767
STERRITT, OLIVER WILLIAM	3,229,589	TAM, YUN KAU	3,229,279	THE PROCTER & GAMBLE COMPANY	
STEVENSON, JENNIFER L.	3,229,696	TAN, LIDA	3,229,389	THE PROCTER & GAMBLE COMPANY	3,229,770
STEVENSON, ROBERT A.	3,229,696	TAN, WEI TECK	3,229,519	THE PROCTER & GAMBLE COMPANY	
STEVENSON, RYAN A.	3,229,696	TAN, YE	3,229,751	THE PROCTER & GAMBLE COMPANY	3,229,771
STEVENSON, THOMAS MARTIN	3,229,284	TANAKA, HIROSHI	3,229,494	THE PROCTER & GAMBLE COMPANY	
STEVENSON, WENDY L.	3,229,696	TANAKA, SAMUEL	3,229,495	THE PROCTER & GAMBLE COMPANY	3,229,773
STEWART, WILLIAM	3,229,174	TANG, DACHAO	3,229,575	THE PROCTER & GAMBLE COMPANY	
		TANG, PINGMING	3,229,524	THE PROCTER & GAMBLE COMPANY	3,229,776
		TANGRI, HENNA	3,229,360	THE PROCTER & GAMBLE COMPANY	
		TAP ENERGY LLC	3,229,465	THE PROCTER & GAMBLE COMPANY	
			3,229,660	THE PROCTER & GAMBLE COMPANY	

Index des demandes PCT entrant en phase nationale

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,229,527	TRUSTEES OF TUFTS COLLEGE	3,229,317	VAN BEEK, WILLEM MARINUS	3,229,178
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	3,229,528	TSAI, JAMES TSAKIROGLOU, ANNA MARIA	3,229,684 3,229,604 3,229,494 3,229,479 3,229,493	VAN DE OUDEWEETERING, RONALD VAN DER LINDEN, GWENDOLYN W. VAN DER WALT, JOHANNES PETRUS	3,229,585 3,229,318 3,229,658 3,228,422 3,229,795
THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK	3,229,487	TSENG, CHIH-YUAN TSUJIUCHI, TATSUYA TU, ZHONGYUAN TUMEH, PAUL	3,229,705 3,229,575 3,229,525 3,229,575	VANDERBILT UNIVERSITY VANDERBILT UNIVERSITY VANDEUSEN, CHRISTOPHER VANDEUSEN, CHRISTOPHER	3,229,292 3,229,373 3,229,658 3,229,658
THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY	3,229,495	TUNG, CHING KEONG TURBO BUZZER INC.	3,229,705 3,229,493	VANDERBILT UNIVERSITY VAN MOLLE, INGE	3,229,292 3,228,422
THE SECRETARY FOR STATE FOR DEFENCE	3,229,215	TURKOZ, MUSTAFA TURNER, NICOLE ALISA RENEE LOCKETT	3,229,493 3,229,479 3,229,370	VAN TRUMP, PHILLIP VANDERBILT UNIVERSITY VANDEUSEN, CHRISTOPHER VANDEUSEN, CHRISTOPHER	3,229,795 3,229,373 3,229,658 3,229,560
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	3,229,193	TURPOFF, ANTHONY TYERMAN, LANDON TYRTYSHNYY, VALENTIN U.B.Q MATERIALS LTD.	3,229,539 3,227,979 3,229,630 3,229,149	VANDORF TCB1 INC. VANZETTI, GIORGIO VASSEL, ALAIN VASSEL, ALAIN	3,228,899 3,229,145 3,229,205 3,229,207
THE WILLIAMSON GROUP, LLC	3,229,695	U.B.Q MATERIALS LTD. UKITA, REI	3,229,687 3,229,689 3,229,292	VASUDEVAN, AMIT VAUGHAN, PETER VAYNBERG, BORIS	3,229,441 3,229,693 3,229,348
THEOLIS JR., RICHARD	3,229,542	ULTIMA GENOMICS, INC.	3,229,536	VEDEL, CHARLOTTE	3,229,739
THERRIEN, SIMON	3,229,186	UM NLEND, INGRID	3,174,160	VELASCO, DANIEL JASON	3,229,425
THINKIN TECH	3,229,348	UNIPER TECHNOLOGIES GMBH	3,229,685	VELVADAPU, VENKATA	3,229,803
THIRION, CHRISTIAN	3,229,203	UNITED IMMUNITY, CO., LTD.	3,229,245	VENN TECHNOLOGY CORPORATION	3,229,304
THOMAS, JACK ELLIS	3,229,628	UNIVERSITAET REGENSBURG	3,229,203	VERNON, JOHN MARK	3,229,506
THOMAS, MARIE	3,229,066	UNIVERSITE CLAUDE BERNARD LYON 1	3,229,203	VERNON	3,229,506
THOMSON REUTERS ENTERPRISE CENTRE GMBH	3,229,702	UNIVERSITE COTE D'AZUR	3,228,902	VERSANIS BIO, INC.	3,229,355
THORNTON, JOEL	3,229,451	UNIVERSITE DE LORRAINE	3,229,432	VERSTREKEN, PATRIK	3,229,305
THU, AUNG	3,229,522	UNIVERSITE JEAN MONNET SAINT ETIENNE	3,228,902	VERTEX PHARMACEUTICALS INCORPORATED	3,229,281
THUILLIEZ, ANNE-LISE	3,229,555	UNIVERSITE LIBRE DE BRUXELLES	3,228,902	VIASAT, INC.	3,229,362
TIAN, CHENMIN	3,229,503	UNIVERSITY HEALTH NETWORK	3,228,902	VIASAT, INC.	3,229,365
TIAN, JUN	3,229,813	UNIVERSITY OF CINCINNATI	3,229,169	VIB VZM	3,228,422
IIHONEN, MARIKA	3,229,600	UNIVERSITY OF HOUSTON SYSTEM	3,229,527	VIB VZW	3,229,305
TILLACK, JEFF	3,229,626	UNIVERSITY OF HOUSTON SYSTEM	3,229,762	VIINIKAINEN, MIKKO	3,229,097
TIN, SUET FONG	3,229,386	UNIVERSITY OF UTAH RESEARCH	3,229,148	VINAY YADHAV, SRINIVASA	3,229,576
TIRUNAGARI, PRASHANTHI	3,229,634	UNIVERSITY OF UTAH FOUNDATION	3,229,533	VINCAN, ALEX	3,229,168
TISDALE, ALISON	3,229,448	WASHINGTON UNLOCKED LABS INC.	3,229,533	VINCI PHARMACEUTICALS, INC.	3,229,297
TITANIUM METALS CORPORATION	3,229,257	WASHINGTON	3,229,467	VINYALS, ORIOL	3,229,296
TITIU, RADU	3,229,354	UNIVERSITY OF UTAH RESEARCH	3,229,155	VIRK, SAHIR SINGH	3,227,979
TOGELIUS, JULIAN	3,229,255	UNIVERSITY OF UTAH FOUNDATION	3,229,325	VISWANATHAN, NITIN	3,229,318
TOKUDA, KOHEI	3,229,519	WASHINGTON	3,229,467	VITO, ROBERT A.	3,229,326
Tomlins, SCOTT ARTHUR	3,229,707	UNIVERSITY OF UTAH RESEARCH	3,229,155	VITTAL, MANOHAR	3,229,675
TONG, FENGXI	3,229,119	UNIVERSITY OF UTAH FOUNDATION	3,229,325	VIZIO, INC.	3,229,315
TONG, LINGPENG	3,229,119	WASHINGTON	3,229,467	VMI HOLLAND B.V.	3,229,178
TONG, RAYMOND KA HANG	3,229,542	UNIVERSITY OF UTAH FOUNDATION	3,229,155	VOLKMAN, MICHAEL R.	3,229,386
TORAY INDUSTRIES, INC.	3,229,751	WASHINGTON	3,229,325	VON RICKENBACH, DAVID	3,229,702
TORRENT ENERGY	3,229,181	UNLOCKED LABS INC.	3,229,467	VON SCHOPPE, JOSEPH	3,229,596
TORRES JR, LEOPOLDO	3,229,803	UOTSU, SHINICHI	3,229,333	VORONTSOV, OLEKSII	3,229,470
TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION	3,229,619	URSCHEL, SVEN	3,229,738	IVANOVYCH	3,229,470
TOTALENERGIES ONE TECH	3,229,309	USTAOGLU, MUSTAFA	3,229,592	VOS, JOHANNES GODFRIED	3,229,198
TOUCHLIGHT IP LIMITED	3,229,395	USTIMENKO, ALEXANDR	3,229,181	VOSS, BARRY	3,183,209
TRACHSEL, DANIEL	3,229,577	UTI LIMITED PARTNERSHIP	3,229,516	VOSS, MURRAY	3,183,209
TREANOR, LOUISE MARY	3,229,746	VAIDA, KARINA R.	3,229,375	VRIJE UNIVERSITEIT	3,228,422
TREZISE, SHAUN	3,229,351	VALIVAARA, JOHANNES	3,229,097	BRUSSEL	3,229,553
TRIPODI, ERNESTO	3,229,742	VALKA EHF.	3,229,246	VYKLICKY, LIBOR	3,229,553
TROTOCHAUD, LENA ESTERS	3,229,571	VALLOUREC OIL AND GAS FRANCE	3,229,066	W. L. GORE & ASSOCIATES, INC.	3,229,710
		VALLOUREC OIL AND GAS FRANCE	3,229,277	W. L. GORE & ASSOCIATES, INC.	3,229,721
				WADEKAR, SHEKHAR	3,229,708

Index of PCT Applications Entering the National Phase

WAGNER, INGO	3,229,685	WHEATCROFT, MICHAEL	YAMAJI, RYOTA	3,229,558
WAGNER, RALF	3,229,203	PAUL	YAMAMOTO, RYOTA	3,229,752
WAGNER, VAN	3,229,812	WHITE, ALEXANDER	YAMANE, YUYA	3,229,389
WAGSTAFF, DAVID	3,229,562	ROBERT	YAMANOUCHI, KOICHIRO	3,229,389
WAGSTAFF, DAVID	3,229,564	WHITE, RYAN JEFFREY	YAMAWAKI, SHOTA	3,229,681
WAICKMAN, ADAM	3,229,487	WHITWORTH, ADEN	YAN, PANGKE	3,229,360
WAIRIMU FREDERIKSEN, JULIET	3,229,551	WICKSELL, SEBASTIAN	YAN, SHUNQI	3,229,692
WALKER, KATIE M.	3,229,769	WIDEN, BO	YAN, ZHONGJIANG	3,229,338
WALTERS, LUCY C.	3,229,447	WIDHOPF, II, GEORGE F.	YANG, HUANFENG	3,229,688
WALTERS, MICHAEL	3,229,336	WIELAND, TILLMANN	YANG, JENNIFER	3,229,746
WANG, ANQI	3,229,185	WIJAYA, JUWINA	YANG, KAIJIE	3,229,321
WANG, BIN	3,229,550	WILDE, JACQUELINE	YANG, MAO	3,229,338
WANG, BIN	3,229,569	KENNEDY	YANG, QI	3,229,688
WANG, DEGANG	3,229,388	WILKIN, TAYLOR	YANG, TUO	3,229,213
WANG, GUOQIANG	3,229,569	WILLIAMS, JOSHUA PATRICK	YANG, XUN	3,229,499
WANG, JIN	3,229,569	WILSON, PETER	YANG, YUE	3,229,688
WANG, JIYIN	3,229,239	WING, GREGORY T.	YARMARKOVICH, MARK	3,229,790
WANG, LARRY	3,229,718	WINGER, JONATHAN	YAROSLAVSKY, ILYA	3,229,149
WANG, LU	3,229,322	WINLOC AG	YBYRAIYMKUL, DOSKHAN	3,229,321
WANG, PENG	3,229,524	WISCONSIN ALUMNI RESEARCH	YE, ZHENGQING	3,229,646
WANG, SHUYANG	3,229,639	FOUNDATION	YEAGER, JAMES, L.	3,229,274
WANG, STEVEN	3,229,731	WISCONSIN ALUMNI RESEARCH	YEDA RESEARCH AND DEVELOPMENT CO. LTD.	3,229,172
WANG, WEI	3,229,524	FOUNDA	YEH, LITAIN	3,229,692
WANG, ZAIYU	3,228,912	WITTМАNN, TOBIAS	YEH, WEN-CHEN	3,229,303
WANG, ZHENG	3,229,388	WOLF, ELENA	YODOCK, III, LEO J.	3,228,899
WANG, ZHONGMIN	3,229,166	WOLFE, JEFFREY	YOHANA LLC	3,229,318
WANNENBURG, LOUIS	3,229,446	WOLFFKRAN HOLDING AG	YONEMURA, IKKI	3,229,258
WARD, ERIC	3,229,342	WOLL, MATTHEW G.	YOON, KYEONG JIN	3,229,566
WARRINGTON, JOHN	3,229,790	WOLPE, STEPHEN	YOSHINO, HIDEKI	3,229,663
WASSER, ERIC	3,229,634	WONG, JONATHAN TA SHIN	YOST, AARON	3,229,652
WASSER, JAMES R.	3,229,300	WOODCOCK, DAN	YU, HA NA	3,229,566
WATAJI, KEI	3,229,807	WU, CHENGDE	YU, JIAN	3,229,353
WATANABE, HIROAKI	3,229,159	WU, DONG	YU, JIHYUN	3,229,566
WATERSHOOT, TOM	3,229,396	WU, JIAXI	YU, TINGTING	3,229,388
WATERSHOOT, TOM	3,229,281	WU, LIANHAI	YU, WENSHENG	3,229,800
WATSON, MATTHEW	3,229,810	WU, SHU	YU, YAN	3,229,360
WATTS, WALTER T.	3,229,174	WU, TIANHAI	YUE, RAN	3,229,653
WAUDO, DICKSON	3,229,205	WU, WEI K.	YURTTAGUL, NIKOLAI	3,229,164
WAZ, EMMANUEL	3,229,207	WU, YUE	ZABADAL, MIROSLAV	3,229,553
WEAKS, PHYLLIS A.	3,229,782	WYLIE, RAVEN	ZACZEK, KAROL	3,229,676
WECKEND, CARSTEN	3,229,165	WYSK, MARK	ZAHID, YUMNA	3,229,529
WECKEND, CARSTEN	3,229,168	XIA, WENHAO	ZAIDI, SYED SAMEEN	3,229,598
WEDGE, DAVID	3,229,138	XIA, YU	ZAJAC, ERIC	3,229,786
WEGMAN, ADAM	3,229,487	XIAO, HUALING	ZAKAS, PHILIP	3,229,668
WEIDNER, ROBERT	3,229,222	XIAO, LINGLING	ZALEWSKI, JACEK	3,229,676
WEIDNER, ROBERT	3,229,230	XIAOFENG, XU	ZANDER, JORDAN ROSS	3,229,357
WEIDNER, ROBERT	3,229,236	XIE, JIANQIANG	ZANDER, MURRAY SELWIN	3,229,357
WEIDNER, ROBERT	3,229,237	XING, XUECHAO	ZANDER, REGAN JAMES	3,229,357
WEIDNER, ROBERT	3,229,241	XIU, WENHUA	ZAUZA, EDIVAL ANGELO	
WEIDNER, ROBERT	3,229,516	XIZANG HAISCO PHARMACEUTICAL CO. LTD.	VALVERDE ZELL, SIMON	3,229,712
WELCH, GREGORY C.	3,229,472	XU, YANHONG	ZENITY LTD.	3,229,220
WELCHOFF, MARJORIE	3,229,473	XU, ZHIFENG	ZEROAVIA LIMITED	3,229,581
WELCHOFF, MARJORIE	3,229,185	XUE, FANGKAI	ZHANG, CHEN	3,229,360
WEN, JOHN	3,229,531	XUE, MENG	ZHANG, JINGWEN	3,229,177
WENSLEY, JORDAN	3,229,449	XUE, MENG	ZHANG, LI	3,229,701
WERLING, MICHAEL THOMAS	3,229,745	XUE, MENG	ZHANG, MAN	3,228,912
WEST INVEST S.A.	3,229,678	XUE, MENG	ZHANG, NANJING	3,229,539
WESTRIN, BENGT	3,229,664	YACOBI, RENANA	ZHANG, PENG	3,229,166
WETZEL, EDWARD A.	3,229,588	YALE UNIVERSITY	ZHANG, PENGLIE	3,229,226
WHEATCROFT, MICHAEL PAUL	3,229,588	YAMAJI, RYOTA	ZHANG, QINGLING	3,229,782
		YAMAJI, RYOTA	ZHANG, QINGLING	3,229,784
			ZHANG, TONG	3,229,369

Index des demandes PCT entrant en phase nationale

ZHANG, WEIDONG	3,229,701
ZHANG, XIAOYAN	3,229,539
ZHANG, XIAOYU	3,229,224
ZHANG, XINLIN	3,229,578
ZHANG, YAFENG	3,229,493
ZHANG, YAN	3,229,539
ZHANG, YANG	3,229,524
ZHANG, YI	3,229,653
ZHANG, YINING	3,228,912
ZHANG, YIQI	3,229,185
ZHEJIANG YOTRIO GROUP CO., LTD.	3,203,386
ZHENG, GANG	3,229,430
ZHENG, SHUANGMING	3,229,119
ZHENG, SONGMAO	3,229,430
ZHENG, TIANYI	3,229,539
ZHENG, XIRONG	3,229,430
ZHONGSHAN AMITIME ELECTRIC CO.,LTD.	3,229,119
ZHOU, SHUAIXIANG	3,229,250
ZHU, GUOZHI	3,229,360
ZHU, HAI	3,229,160
ZHU, JIAN	3,225,239
ZHU, YANLIANG	3,229,493
ZHU, YI	3,229,160
ZHU, ZHONGLIANG	3,229,782
ZHUHAI UNITED LABORATORIES CO., LTD.	3,229,388
ZIEGER, PETER	3,229,651
ZIMMERMANN, GUNTHER	3,229,464
ZIMMERMANN, GUNTHER	3,229,466
ZIMMERMANN, GUNTHER	3,229,791
ZINNALL, ULRIKE	3,229,244
ZIPFEL, PETER F.	3,229,645
ZIPPERER, CHRISTIAN ALEXANDER	3,229,370
ZOCCO, DAVIDE	3,229,774
ZOLNA, KONRAD	3,229,296

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

ADAMS, EVAN	3,229,405	GIVEN, BRUCE D.	3,229,270	MAXIMIANO RELVAS DO
AGULNICK, ALAN	3,229,301	GODBOLE, ASHA	3,229,492	NASCIMENTO, MANUEL
ALEXANDER, LOU ANNE	3,229,282	GOH, GIHO	3,229,116	MCCARROLL, ROBERT M.
ALMEIDA, LAUREN J.	3,229,270	GREEN, CHAD	3,229,301	MENENDEZ, MICHAEL
AMARAL COSTA, ANDRE	3,229,232	GREENMANTRA RECYCLING TECHNOLOGIES LTD.	3,229,291	MERCER, SCOTT
ARROWHEAD PHARMACEUTICALS, INC.	3,229,270	GUAN, LI	3,229,409	MESO SCALE TECHNOLOGIES, LLC.
ATOBE - MOBILITY TECHNOLOGY, S.A.	3,229,232	GUAN, LI	3,229,416	MFTB HOLDCO, INC.
AVIGDOR, AMIT	3,229,722	GUAN, LI	3,229,420	MFTB HOLDCO, INC.
BAETGE, EMMANUEL E.	3,229,301	GUERRA LOPES AMADOR, ANTONIO FERNANDO	3,229,232	MILLER, JEFFREY C.
BAGGET SWINT, ETHAN	3,229,662	GUZOV, VICTOR M.	3,229,266	MILLIGAN, JASON S.
BALAKRISHNAN, GANESH	3,229,405	HARDUFF, HAGAI	3,229,722	MONSANTO TECHNOLOGY
BAUM, JAMES A.	3,229,266	HAUT, ROBERT E.	3,229,426	LLC
BILLADEAU, MARK	3,229,509	HENNING, STEVEN L.	3,229,732	MOREAU, TIMOTHY D.
BOWEN, DAVID J.	3,229,266	HEO, JIN	3,229,435	MORGENSTERN, JAY P.
BRAND, DVIR	3,229,266	HERATI, HAMED	3,229,122	MOSLE, KATELYN
CARSWELL, KATHLEEN	3,229,722	HOVAN, BRADLEY	3,229,732	NAMVAR, KIANOUSH
CHAY, CATHERINE A.	3,229,492	HSIAO, DUN-YU	3,229,409	NEUMEIER, ZEEV
CHI, DAVID J.	3,229,266	HSIAO, DUN-YU	3,229,416	OTWELL, ANDREW H.
CHOI, JANGWON	3,229,435	HSIAO, DUN-YU	3,229,420	OTWELL, ANDREW H.
CHOI, JINSOON	3,229,116	HULLANDER, ERIC	3,229,405	OTWELL, ANDREW H.
CLINTON, WILLIAM P.	3,229,266	IMAX THEATRES INTERNATIONAL	3,229,122	OUCHI, TAKASHI
COHEN, AVI	3,229,722	LIMITED	3,229,122	OWEN, MICHAEL PARKER
COLLETTE, MICHAEL	3,229,617	INSCAPE DATA, INC.	3,229,617	PARK, HUNSOO
CORE SCIENTIFIC, INC.	3,229,405	JACOBSON, STUART A.	3,229,732	PARK, YOUNG YONG
CORTEZ, CARLA	3,229,405	JARRELL, KEVIN A.	3,229,266	PASCHON, DAVID
COULL, SCOTT A.	3,229,732	JOHNSON, MICHAEL KARL	3,229,775	PEI, TAO
CURTIS, PIPER L.	3,229,732	KAP MEDICAL, INC.	3,229,775	PENNINGTON, WALTER
D'AMOUR, KEVIN	3,229,301	KELLY, OLIVIA	3,229,301	WESLEY, III
DANIELI, GUY	3,229,722	KESANAPALLI, UMA R.	3,229,266	PREINDL, MATTHIAS
DART, CRYSTAL L.	3,229,266	KIM, SEUNGHWAN	3,229,435	REBAR, EDWARD J.
DAWSON, MITCHELL DAVID	3,229,409	KIM, SUNMI	3,229,116	RESSEL, TAYLOR ALLEN
DAWSON, MITCHELL DAVID	3,229,416	KIM, YOUNG WOOK	3,229,263	RETRACTABLE TECHNOLOGIES, INC.
DAWSON, MITCHELL DAVID	3,229,420	KISHBAUGH, ALAN	3,229,509	3,229,644
DE SOUSA SANTOS DE OLIVEIRA RODRIGUES, MARIO MIGUEL	3,229,232	KO, SUNG MOON	3,229,263	RING, ALLAN
DEKA PRODUCTS LIMITED PARTNERSHIP	3,229,732	KOMARNYCKY, OLIVER NICHOLAS	3,229,122	ROZEMA, DAVID B.
EARLY WARNING SERVICES, LLC	3,229,282	KROM, DORON	3,229,722	RUBIN, MATTHEW J.
ENGELMAYR, GEORGE C., JR.	3,229,492	KROON, EVERT	3,229,301	RUCKER, DEBORAH G.
ENGLISH, LEIGH	3,229,266	KUMAR, ANIL	3,229,291	SALVADOR, SARA A.
FENGKE, TIAN	3,229,474	KUMAR, PUSHKAR	3,229,291	SANGAMO BIOSCIENCES, INC.
FERREIRA, IAN	3,229,405	LEE, HAN BIT	3,229,263	3,229,266
FERRENTINO, JUSTIN M.	3,229,732	LEE, YOUNG JO	3,229,263	SCRIBE OPCO, INC., DBA BIC GRAPHIC
FILGATE, JOSHUA	3,229,732	LEON, KATIE E.	3,229,732	3,229,474
FINCH, PAUL	3,229,282	LEUNG, MATTHEW	3,229,492	SEEGENE, INC.
FLASINSKI, STANISLAW	3,229,266	LEWIS, DAVID L.	3,229,270	3,229,263
FOX-LYON, NICHOLAS	3,229,509	LG ELECTRONICS INC.	3,229,435	SHAAASHUA, ERAN
FREESE, PAUL	3,229,509	LI, LING	3,229,435	3,229,722
FUNT, MARK	3,229,722	LI, ZHEN	3,229,270	SHALEV, OREN
GENOVESE, NICHOLAS J.	3,229,492	LIM, JAEHYUN	3,229,435	3,229,722
		MALVAR, THOMAS M.	3,229,266	SHAW, THOMAS J.
		MARTINSON, LAURA	3,229,301	3,229,644
				SMITH, TEMPLE F.
				SODASTREAM INDUSTRIES LTD.
				3,229,266
				SOTO, CARLOS E.
				3,229,722
				3,229,266

**Index des demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

SPIELES, GISBERT	3,229,509
STEVENSON, GREGORY	
GORDON	3,229,662
STULTZ, COLLIN M.	3,229,266
TAKEDA PHARMACEUTICAL	
COMPANY LIMITED	3,229,116
TAU MOTORS, INC.	3,229,662
TAYLOR, ANDREW J.	3,229,426
TREMBLAY, DENIS GILLES	3,229,122
TURCZYK, BRIAN M.	3,229,266
UPSIDE FOODS, INC.	3,229,492
VALETI, UMA S.	3,229,492
VAUGHN, TY T.	3,229,266
VIACYTE, INC.	3,229,301
VOLTA CHARGING, LLC	3,229,217
VON RECHENBERG, MORITZ	
W. F. F.	3,229,266
WAKEFIELD, DARREN H.	3,229,270
WECHSLER, THOMAS	3,229,275
WONDERLAND	
SWITZERLAND AG	3,229,426
WOODDELL, CHRISTINE I.	3,229,270
ZHANG, LEI	3,229,275
ZHU, RUI	3,229,270