



Canadian
Intellectual Property
Office

An Agency of
Industry Canada

Office de la propriété
intellectuelle
du Canada

Un organisme
d'Industrie Canada

ISSN-1712-4034

The Patent

Office Record

La Gazette

du Bureau des brevets



Vol. 152 No. 2 January 9, 2024

Vol. 152 No. 2 le 9 janvier 2024

Canada



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.....	107
PCT Applications Entering the National Phase	
Demandes PCT entrant en phase nationale	125
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	165
Index of Canadian Patents Issued	
Index des brevets canadiens délivrés	169
Index of Canadian Applications Open to Public Inspection	
Index des demandes canadiennes mises à la disponibilité du public	183
Index of PCT Applications Entering the National Phase	
Index des demandes PCT entrant en phase nationale	187
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	195

Notices

Avis

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

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), sise 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

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).

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:	N/A
a) for each request	\$10
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

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.

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. 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 :	S.O.
a) pour chaque demande	10 \$
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 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 \$

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.

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.

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.

8. List of Patents Available for Licence or Sale

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

None

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. 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. 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. 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.

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.

4. Late payment fee

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

4. Taxe pour paiement tardif

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

Preliminary Examination

Examen préliminaire

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

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

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

6. Taxe d'examen préliminaire (Règle 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).

* 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

12. Avis PCT

Patent Cooperation Treaty (PCT)

Traité de Coopération en matière de brevets (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.

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.

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

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 :

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

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

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

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

Notices

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).

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

(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. 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.

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. 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

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 retournés 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](#).

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,

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

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

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

- 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

- 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

- Innovation, Science and Economic Development
Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tel.: 604-666-5000

- 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 inconvénients 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'acquiescement 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](#);

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.

Copyright

:

- [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](#)

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.

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](#).

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](#).

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](#).

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.

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](#).

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](#).

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 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

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 discrétion 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 "Stellent 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 « Stellent 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.

Avis

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 1/2" 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.

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.

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.

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)

Veillez 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 réglementaire** 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 réglementaires** 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.

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,

- 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 considéré 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.

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.

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.

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](#)

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](#).

Veillez 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. 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. 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 January 9, 2024 contains applications open to public inspection from December 24, 2023 to December 30, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 9 janvier 2024 contient les demandes disponibles au public pour consultation pour la période du 24 décembre 2023 au 30 décembre 2023.

Canadian Patents Issued

January 9, 2024

Brevets canadiens délivrés

9 janvier 2024

[11] **2,785,433**
[13] C

[51] **Int.Cl. A61M 16/00 (2006.01) A61M 13/00 (2006.01) A61M 39/00 (2006.01) A62B 7/00 (2006.01) B32B 3/26 (2006.01) B32B 3/28 (2006.01) B32B 3/30 (2006.01) B32B 5/18 (2006.01) B32B 5/22 (2006.01) B32B 27/00 (2006.01)**

[25] EN

[54] **COMPONENTS FOR MEDICAL CIRCUITS**

[54] **ELEMENTS POUR CIRCUITS MEDICAUX**

[72] HERMEZ, LAITH ADEEB, NZ

[72] ORCHARD, KIERAN MICHAEL, NZ

[72] GIERKE, TIMOTHY DEE, NZ

[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[85] 2012-06-21

[86] 2010-12-22 (PCT/IB2010/003454)

[87] (WO2011/077250)

[30] US (61/289,089) 2009-12-22

[11] **2,868,286**
[13] C

[51] **Int.Cl. C08G 69/32 (2006.01) C08G 69/26 (2006.01) C08G 69/28 (2006.01) C08L 77/06 (2006.01) C08L 77/10 (2006.01)**

[25] EN

[54] **FURAN BASED POLYAMIDES**

[54] **POLYAMIDES A BASE DE FURANE**

[72] CHAN, JUSTIN W., US

[72] NEDERBERG, FREDRIK, US

[72] RAJAGOPALAN, BHUMA, US

[72] WILLIAMS, SHARLENE RENEE, US

[72] COBB, MICHAEL W., US

[73] E. I. DU PONT DE NEMOURS AND COMPANY, US

[85] 2014-09-23

[86] 2013-03-29 (PCT/US2013/034666)

[87] (WO2013/149180)

[30] US (61/618,456) 2012-03-30

[11] **2,879,496**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 25/28 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **BLOOD BRAIN BARRIER SHUTTLE**

[54] **NAVETTE DE LA BARRIERE HEMATO-ENCEPHALIQUE**

[72] BOHRMANN, BERND, CH

[72] FRESKGDARD, PER-OLA, CH

[72] MAIER, PETER, DE

[72] NIEWOEHNER, JENS, DE

[72] TISSOT-DAGUETTE, ALAIN, DE

[72] URICH, EDUARD, CH

[73] F. HOFFMANN-LA ROCHE AG, CH

[85] 2015-01-19

[86] 2013-08-26 (PCT/EP2013/067595)

[87] (WO2014/033074)

[30] EP (12182181.3) 2012-08-29

[11] **2,880,365**
[13] C

[51] **Int.Cl. A61F 2/16 (2006.01) G02C 7/06 (2006.01)**

[25] EN

[54] **MULTIFOCAL DIFFRACTIVE OPHTHALMIC LENS USING SUPPRESSED DIFFRACTIVE ORDER**

[54] **LENTILLE OPHTALMIQUE DIFFRACTIVE MULTIFOCAL A ORDRE DE DIFFRACTION SUPPRIME**

[72] LIU, YUEAI, US

[72] CHOI, MYOUNG-TAEK, US

[72] HONG, XIN, US

[73] ALCON INC., US

[86] (2880365)

[87] (2880365)

[22] 2015-01-29

[30] US (61/993,892) 2014-05-15

[30] US (14/575,333) 2014-12-18

[11] **2,887,238**
[13] C

[51] **Int.Cl. A41D 13/00 (2006.01)**

[25] EN

[54] **UPPER GARMENT WORN DURING OVERHEAD WELDING**

[54] **VETEMENT PORTE AU HAUT DU CORPS PENDANT LE SOUDAGE AU-DESSUS DE LA TETE**

[72] SCHURR, MACKENZIE D., CA

[73] SCHURR, MACKENZIE D., CA

[86] (2887238)

[87] (2887238)

[22] 2015-04-09

[11] **2,888,418**
[13] C

[51] **Int.Cl. A63C 1/42 (2006.01) B29D 35/08 (2010.01) A43B 5/16 (2006.01) A63C 1/00 (2006.01)**

[25] EN

[54] **SKATE AND METHOD OF MANUFACTURE**

[54] **PATIN ET PROCEDE DE FABRICATION**

[72] KOYESS, PHILIPPE, CA

[72] CHRETIEN, ALEXANDRE, CA

[72] CHARTRAND, DANIEL, CA

[72] CHAMPAGNE, ETIENNE, CA

[72] LAPIERRE, PHILIPPE, CA

[73] SPORT MASKA INC., CA

[86] (2888418)

[87] (2888418)

[22] 2015-04-15

[30] US (61/979,725) 2014-04-15

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,890,357**
[13] C

[51] **Int.Cl. C12N 15/12 (2006.01) A61K 38/16 (2006.01) A61P 31/04 (2006.01) A61P 33/00 (2006.01) A61P 33/06 (2006.01) C07K 14/435 (2006.01)**

[25] EN

[54] **METHODS AND USES OF A MODIFIED CECROPIN FOR TREATING ENDOPARASITIC AND BACTERIAL INFECTIONS**

[54] **RECEPTION ET TRANSMISSION D'INFORMATIONS DE DECLENCHEMENT POUR COMMANDE DE PROGRAMME D'APPLICATION**

[72] CHOWDHURY, SUBRATA, CA

[72] HORNE, MICHAEL THOMAS, GB

[73] SOLARVEST BIOENERGY INC., CA

[85] 2015-01-13

[86] 2012-07-13 (PCT/CA2012/000662)

[87] (WO2013/006956)

[30] US (61/507,366) 2011-07-13

[11] **2,902,428**
[13] C

[51] **Int.Cl. H02S 40/30 (2014.01) H02M 3/00 (2006.01)**

[25] EN

[54] **CURRENT SENSORLESS MPPT FOR PV MICRO-INVERTERS**

[54] **OPTIMISEUR DE PUISSANCE SANS CAPTEUR DE COURANT DESTINE A DES MICRO-ONDULEURS PHOTOVOLTAIQUES**

[72] PAHLEVANINEZHAD, MAJID, CA

[72] JAIN, PRAVEEN, CA

[72] PAN, SHANGZHI, CA

[73] SPARQ SYSTEMS INC., CA

[86] (2902428)

[87] (2902428)

[22] 2015-08-31

[30] US (62/073,431) 2014-10-31

[11] **2,904,153**
[13] C

[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **PROPPANT COMPOSITION COMPRISING A CHEMICAL TRACER AND USE THEREOF FOR HYDRAULIC FRACTURING**

[54] **COMPOSITION D'AGENT DE SOUTENEMENT COMPORTANT UN TRACEUR CHIMIQUE ET UTILISATION CONNEXE POUR LA FRACTURATION HYDRAULIQUE**

[72] DUENCKEL, ROBERT, US

[72] CONNER, MARK, US

[72] CANNAN, CHAD, US

[72] CADY, DANIEL, US

[72] LEASURE, JOSHUA, US

[72] LIENG, THU, US

[72] ROPER, TODD, US

[72] READ, PETER A., GB

[73] CARBO CERAMICS INC., US

[85] 2015-09-03

[86] 2014-03-14 (PCT/US2014/028886)

[87] (WO2014/144464)

[30] US (61/787,724) 2013-03-15

[30] US (61/803,652) 2013-03-20

[30] US (61/883,788) 2013-09-27

[30] US (61/885,334) 2013-10-01

[30] US (61/914,441) 2013-12-11

[30] US (61/929,761) 2014-01-21

[11] **2,904,523**
[13] C

[51] **Int.Cl. A61K 31/7076 (2006.01)**

[25] EN

[54] **METHODS OF TREATING, REDUCING THE INCIDENCE OF, AND/OR PREVENTING ISCHEMIC EVENTS**

[54] **METHODES PERMETTANT DE TRAITER DES EVENEMENTS ISCHEMIQUES, DE REDUIRE LEUR INCIDENCE ET/OU DE LES PREVENIR**

[72] ARCULUS-MEANWELL, CLIVE ARTHUR, US

[72] SKERJANEC, SIMONA, US

[72] PRATS, JAYNE, US

[72] SCHNEIDER, DAVID J., US

[73] CHIESI FARMACEUTICI S.P.A., IT

[85] 2015-09-08

[86] 2013-05-29 (PCT/US2013/043136)

[87] (WO2014/143107)

[30] US (13/792,056) 2013-03-09

[30] US (61/815,735) 2013-04-25

[11] **2,908,253**
[13] C

[51] **Int.Cl. C12N 15/85 (2006.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01) A61P 31/18 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR IN VIVO EXCISION OF HIV-1 PROVIRAL DNA**

[54] **COMPOSITIONS ET PROCEDES POUR L'EXCISION IN VIVO D'ADN PROVIRAL DE VIH-1**

[72] HOWELL, ALEXANDRA L., US

[72] ESZTERHAS, SUSAN K., US

[73] UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US

[73] TRUSTEES OF DARTMOUTH COLLEGE, US

[85] 2015-09-25

[86] 2014-03-25 (PCT/US2014/031674)

[87] (WO2014/165349)

[30] US (61/808,437) 2013-04-04

[11] **2,910,693**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/24 (2006.01)**

[25] EN

[54] **ANTI-IL-4/ANTI-IL-13 BISPECIFIC ANTIBODY FORMULATIONS**

[54] **FORMULATIONS D'ANTICORPS BISPECIFIQUES ANTI-IL-4/ANTI-IL-13**

[72] CARAYON, SOPHIE, FR

[72] BOUSSIF, OTMANE, FR

[73] SANOFI, FR

[85] 2015-10-27

[86] 2014-04-29 (PCT/EP2014/058733)

[87] (WO2014/177568)

[30] US (61/816,899) 2013-04-29

[30] EP (14305160.5) 2014-02-05

[11] **2,911,016**
[13] C

[51] **Int.Cl. B60R 3/02 (2006.01) B62D 25/22 (2006.01)**

[25] EN

[54] **PORTABLE TRUCK STEP**

[54] **MARCHE DE CAMION PORTATIVE**

[72] ULRICH, WALTER E., CA

[73] DEBUSSCHERE, SANDY, CA

[86] (2911016)

[87] (2911016)

[22] 2015-11-03

**Canadian Patents Issued
January 9, 2024**

[11] **2,913,383**
[13] C

[51] **Int.Cl. G08B 13/22 (2006.01) G07F 7/08 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTING A DISCONNECTION OF THE MAIN CONNECTOR OF AN ELECTRONIC PAYMENT TERMINAL, CORRESPONDING COMPUTER PROGRAM PRODUCT, STORAGE MEANS AND PAYMENT TERMINAL**
[54] **METHODE DE DETERMINATION D'UNE DECONNEXION DU CONNECTEUR PRINCIPAL D'UN TERMINAL DE PAIEMENT ELECTRONIQUE, PRODUIT DE PROGRAMME INFORMATIQUE CORRESPONDANT, DISPOSITIF DE STOCKAGE ET TERMINAL DE PAIEMENT**
[72] MAYER, LAURENT, FR
[72] CHOWDHARY, FERHAJ, FR
[73] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[86] (2913383)
[87] (2913383)
[22] 2015-11-25
[30] FR (1461732) 2014-12-01

[11] **2,913,543**
[13] C

[51] **Int.Cl. A61K 31/59 (2006.01) A61K 31/593 (2006.01) A61P 17/14 (2006.01)**
[25] EN
[54] **PREVENTING OR MITIGATING CHEMOTHERAPY INDUCED ALOPECIA USING VITAMIN D**
[54] **PREVENTION OU ATTENUATION DE L'ALOPECIE INDUITE PAR LA CHIMIOETHERAPIE AU MOYEN DE VITAMINE D**
[72] NARAIN, NIVEN RAJIN, US
[72] MCCOOK, JOHN PATRICK, US
[72] JIMENEZ, JOAQUIN J., US
[73] BPG BIO, INC., US
[85] 2015-11-25
[86] 2014-05-29 (PCT/US2014/040084)
[87] (WO2014/194133)
[30] US (61/828,448) 2013-05-29

[11] **2,913,665**
[13] C

[51] **Int.Cl. A61L 15/20 (2006.01)**
[25] EN
[54] **DEGRADABLE HAEMOSTAT COMPOSITION COMPRISING CHITOSAN**
[54] **COMPOSITION HEMOSTATIQUE DEGRADABLE COMPRENANT DU CHITOSANE**
[72] HARDY, CRAIG, GB
[72] HOGGARTH, ANDREW, GB
[72] GLADMAN, JUNE, GB
[73] MEDTRADE PRODUCTS LIMITED, GB
[85] 2015-11-26
[86] 2014-05-28 (PCT/GB2014/051625)
[87] (WO2014/191739)
[30] GB (1309695.3) 2013-05-30

[11] **2,914,708**
[13] C

[51] **Int.Cl. C12Q 1/18 (2006.01) C12Q 1/02 (2006.01) C40B 30/06 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHOD FOR THE RAPID DETERMINATION OF SUSCEPTIBILITY OR RESISTANCE OF BACTERIA TO ANTIBIOTICS**
[54] **PROCEDE DE DETERMINATION RAPIDE DE LA SUSCEPTIBILITE OU DE LA RESISTANCE DE BACTERIES A DES ANTIBIOTIQUES**
[72] FERNANDEZ GARCIA, JOSE LUIS, ES
[72] GOSALVEZ BERENGUER, JAIME, ES
[72] SANTISO BRANDARIZ, REBECA, ES
[72] TAMAYO NOVAS, MARIA, ES
[72] BOU AREVALO, GERMAN, ES
[73] ABM TECHNOLOGIES, LLC, US
[85] 2015-12-07
[86] 2014-07-02 (PCT/US2014/045225)
[87] (WO2015/003047)
[30] EP (13382271.8) 2013-07-04

[11] **2,919,509**
[13] C

[51] **Int.Cl. G01P 5/165 (2006.01)**
[25] EN
[54] **AIR DATA PROBE WITH IMPROVED PERFORMANCE AT ANGLE OF ATTACK OPERATION**
[54] **SONDE ANEMOBAROMETRIQUE A RENDEMENT AMELIORE EN FONCTIONNEMENT A ANGLE D'ATTAQUE**
[72] JOHNSON, PAUL ROBERT, US
[72] CUSHER, AARON A., US
[72] GOLLY, TIMOTHY THOMAS, US
[72] MATHEIS, BRIAN DANIEL, US
[72] SEIDEL, GREG, US
[73] ROSEMOUNT AEROSPACE INC., US
[86] (2919509)
[87] (2919509)
[22] 2016-01-28
[30] US (14/665,007) 2015-03-23

[11] **2,920,884**
[13] C

[51] **Int.Cl. G01V 9/00 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **FORMATION STABILITY MODELING**
[54] **MODELISATION DE STABILITE DE FORMATION**
[72] YAN, GONG RUI, CN
[72] KARPFFINGER, FLORIAN, NO
[72] PRIOUL, ROMAIN CHARLES ANDRE, US
[72] HELIOT, DENIS, US
[72] RAMIREZ, ALEXANDER, US
[72] LIU, CHANG, GB
[72] BERARD, THOMAS, GB
[72] BEN-ISMAIL, WALID, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2016-02-09
[86] 2014-08-22 (PCT/US2014/052224)
[87] (WO2015/031177)
[30] US (61/869,678) 2013-08-24
[30] US (14/464,819) 2014-08-21

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,922,324**
[13] C

[51] **Int.Cl. H02S 20/23 (2014.01) H02S 20/25 (2014.01) E04D 13/18 (2018.01)**

[25] EN

[54] **ROOF INTEGRATED PHOTOVOLTAIC SYSTEM**

[54] **DISPOSITIF PHOTOVOLTAIQUE INTEGRE A LA TOITURE**

[72] RODRIGUES, TOMMY F., US

[72] RAILKAR, SUDHIR, US

[72] BOSS, DANIEL E., US

[72] GENNRICH, DAVID J., US

[72] DUQUE, LUIS, US

[72] LEE, DANIEL, US

[72] DZOBA, NAZAR, US

[73] BUILDING MATERIALS INVESTMENT CORPORATION, US

[86] (2922324)

[87] (2922324)

[22] 2016-02-29

[11] **2,924,167**
[13] C

[51] **Int.Cl. H02J 15/00 (2006.01) H02J 7/00 (2006.01) H02M 3/00 (2006.01)**

[25] EN

[54] **MULTI-SOURCE ENERGY STORAGE SYSTEM AND ENERGY MANAGEMENT AND CONTROL METHOD**

[54] **SYSTEME DE STOCKAGE D'ENERGIE MULTISOURCE ET METHODES DE GESTION ET CONTROLE D'ENERGIE**

[72] LI, FEI, CN

[72] ZHU, PENGCHENG, CN

[72] KANG, PENGJU, CN

[73] GENERAL ELECTRIC COMPANY, US

[86] (2924167)

[87] (2924167)

[22] 2016-03-17

[30] CN (201510148732.X) 2015-03-31

[11] **2,929,354**
[13] C

[51] **Int.Cl. H04W 72/04 (2023.01) H04W 72/40 (2023.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR ALLOCATING RESOURCE AND TRANSMITTING/RECEIVING RESOURCE ALLOCATION INFORMATION IN COMMUNICATION SYSTEM SUPPORTING DEVICE TO DEVICE SCHEME**

[54] **APPAREIL ET PROCEDE D'ATTRIBUTION DE RESSOURCE ET TRANSMISSION/RECEPTION D'INFORMATIONS D'ATTRIBUTION DE RESSOURCE DANS UN SYSTEME DE COMMUNICATION PRENANT EN CHARGE UN SCHEMA APPAREIL A APPAREIL**

[72] AGIWAL, ANIL, IN

[72] CHANG, YOUNG-BIN, KR

[73] SAMSUNG ELECTRONICS CO., LTD., KR

[85] 2016-05-02

[86] 2014-11-03 (PCT/KR2014/010418)

[87] (WO2015/065130)

[30] IN (1253/KOL/2013) 2013-11-01

[30] IN (157/KOL/2014) 2014-02-06

[30] IN (310/KOL/2014) 2014-03-13

[30] IN (498/KOL/2014) 2014-04-29

[30] IN (979/KOL/2014) 2014-09-24

[11] **2,931,993**
[13] C

[51] **Int.Cl. H02B 1/14 (2006.01) H02B 1/03 (2006.01) H02B 1/06 (2006.01)**

[25] EN

[54] **ACCESS WINDOWS IN HORIZONTAL BAR SECTION OF AN ELECTRICAL METER CENTER**

[54] **FENETRES D'ACCES DANS UNE SECTION DE BARRE HORIZONTALE D'UN CENTRE DE COMPTEURS ELECTRIQUES**

[72] VEZINA, SEBASTIEN, CA

[72] BOIVIN, MAXIME, CA

[73] SIEMENS CANADA LIMITEE, CA

[86] (2931993)

[87] (2931993)

[22] 2016-06-02

[30] US (62170183) 2015-06-03

[30] US (62170181) 2015-06-03

[30] US (62170184) 2015-06-03

[30] US (62170187) 2015-06-03

[30] US (62170188) 2015-06-03

[30] US (62170190) 2015-06-03

[30] US (62170192) 2015-06-03

[11] **2,932,531**
[13] C

[51] **Int.Cl. A47C 17/86 (2006.01) A47B 5/06 (2006.01) A47C 17/38 (2006.01) A47C 17/52 (2006.01) F21V 21/30 (2006.01) F21V 33/00 (2006.01)**

[25] EN

[54] **EMBEDDED FURNITURE HAVING RETRACTIBLE LEGS WITH LIGHTING**

[54] **MOBILIER INTEGRE COMPORTANT DES PATTES RETRACTABLES DOTEES D'ECLAIRAGE**

[72] GOSLING, GEOFF, CA

[72] BLEHM, COLIN, CA

[73] DIRTT ENVIRONMENTAL SOLUTIONS, LTD., CA

[86] (2932531)

[87] (2932531)

[22] 2016-06-08

[30] US (62/293,568) 2016-02-10

[30] US (62/293,573) 2016-02-10

**Canadian Patents Issued
January 9, 2024**

[11] **2,935,866**
[13] C

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR ASSESSING LUNG GRAFTS**

[54] **PROCEDES ET COMPOSITIONS POUR L'EVALUATION DE GREFFONS DE POUMON**

[72] KESHAVJEE, SHAF, CA

[72] LIU, MINGYAO, CA

[72] CYPEL, MARCELO, CA

[73] UNIVERSITY HEALTH NETWORK, CA

[85] 2016-07-05

[86] 2014-02-20 (PCT/CA2014/000138)

[87] (WO2014/127462)

[30] US (61/766,862) 2013-02-20

[11] **2,936,773**
[13] C

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1486 (2006.01)**

[25] EN

[54] **SENSORS FOR CONTINUOUS ANALYTE MONITORING, AND RELATED METHODS**

[54] **CAPTEURS PERMETTANT UNE SURVEILLANCE CONTINUE D'ANALYTES ET PROCEDES ASSOCIES**

[72] SIMPSON, PETER C., US

[72] BLACKWELL, JENNIFER, US

[72] BOHM, SEBASTIAN, US

[72] ESTES, MICHAEL J., US

[72] JACKSON, JEFF, US

[72] MITCHELL, JASON, US

[72] PRYOR, JACK, US

[72] RONG, DAITING, US

[72] SAINT, SEAN T., US

[72] SHETH, DISHA B., US

[72] WANG, SHANGER, US

[73] DEXCOM, INC., US

[85] 2016-07-13

[86] 2015-03-16 (PCT/US2015/020796)

[87] (WO2015/156966)

[30] US (14/250,320) 2014-04-10

[30] US (14/250,341) 2014-04-10

[11] **2,936,796**
[13] C

[51] **Int.Cl. B32B 5/26 (2006.01) B32B 7/12 (2006.01) B32B 13/00 (2006.01) B32B 13/14 (2006.01) B32B 27/16 (2006.01) B32B 27/36 (2006.01) E04C 2/24 (2006.01)**

[25] EN

[54] **POLYESTER LAMINATED BUILDING BOARDS WITH IMPROVED SURFACE CHARACTERISTICS**

[54] **PANNEAUX DE BATIMENT STRATIFIES A BASE DE POLYESTER A CARACTERISTIQUES DE SURFACE AMELIOREES**

[72] BOYDSTON, GERALD D., US

[72] WILTZIUS, BRYAN J., US

[72] LAI, CHOUNG-HOUNG, US

[72] LEMBERGER, MICHAEL J., US

[73] SAINT-GOBAIN PLACO SAS, FR

[85] 2016-07-13

[86] 2015-01-12 (PCT/US2015/011010)

[87] (WO2015/106194)

[30] US (14/153,260) 2014-01-13

[11] **2,938,398**
[13] C

[51] **Int.Cl. A61M 16/06 (2006.01)**

[25] EN

[54] **RESPIRATORY MASK WITH NASOGASTRIC TUBE PATH**

[54] **MASQUE RESPIRATOIRE AVEC CHEMIN DE SONDÉ NASOGASTRIQUE**

[72] LIM, JAE YUN, NZ

[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[85] 2016-07-29

[86] 2015-02-26 (PCT/NZ2015/050019)

[87] (WO2015/130179)

[30] US (61/945,034) 2014-02-26

[11] **2,939,263**
[13] C

[51] **Int.Cl. H10K 50/13 (2023.01) H10K 50/15 (2023.01) H10K 85/00 (2023.01)**

[25] EN

[54] **ORGANIC LIGHT EMITTING DIODE DEVICE COMPRISING BORON SUBPHTHALOCYANINE**

[54] **DISPOSITIF A DIODES ELECTROLUMINESCENTES ORGANIQUES COMPRENANT DE LA SOUSPHTHALOCYANINE DE BORE**

[72] BENDER, TIMOTHY P., CA

[72] PLINT, TREVOR, CA

[72] CASTRUCCI, JEFFREY S., CA

[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA

[85] 2016-08-10

[86] 2015-02-10 (PCT/CA2015/000075)

[87] (WO2015/117234)

[30] US (61/937,899) 2014-02-10

[11] **2,939,785**
[13] C

[51] **Int.Cl. B25J 9/18 (2006.01) B64F 5/10 (2017.01)**

[25] EN

[54] **ROBOT SYSTEM AND METHOD OF OPERATING A ROBOT SYSTEM**

[54] **SYSTEME DE ROBOT ET METHODE D'EXPLOITATION D'UN SYSTEME DE ROBOT**

[72] KROHNE, INGO, DE

[72] GOEHLICH, ROBERT ALEXANDER, DE

[72] HIRANO, YOSHIYASU, JP

[72] AOKI, YUICHIRO, JP

[72] IWAHORI, YUTAKA, JP

[72] KANDA, ATSUSHI, JP

[73] AIRBUS OPERATIONS GMBH, DE

[86] (2939785)

[87] (2939785)

[22] 2016-08-23

[30] EP (15182606.2) 2015-08-26

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,939,876**
[13] C

- [51] **Int.Cl. H02G 3/08 (2006.01) H01R 13/74 (2006.01)**
[25] EN
[54] **FLOOR BOX ASSEMBLY WITH RETAINER**
[54] **ASSEMBLAGE DE BOITE DE PLANCHER DOTE D'UN MECANISME DE RETENUE**
[72] DEBARTOLO, JOSEPH V., US
[72] MORTUN, SORIN I., US
[72] DUMANI, EMIRCAN M., US
[73] HUBBELL INCORPORATED, US
[86] (2939876)
[87] (2939876)
[22] 2016-08-23
[30] US (62/209,715) 2015-08-25

[11] **2,940,390**
[13] C

- [51] **Int.Cl. B60D 1/42 (2006.01) A01B 23/04 (2006.01) A01B 33/08 (2006.01)**
[25] EN
[54] **HITCH ASSEMBLY WITH PIVOT AXIS**
[54] **ASSEMBLAGE D'ATTACHE DE REMORQUAGE AVEC AXE DE PIVOT**
[72] PAYNE, DAVID A., US
[72] BEECK, MARK D., US
[72] RUCKLE, JARROD, US
[73] DEERE & COMPANY, US
[86] (2940390)
[87] (2940390)
[22] 2016-08-29
[30] US (14/870,630) 2015-09-30

[11] **2,940,596**
[13] C

- [51] **Int.Cl. A24F 15/18 (2006.01) A24F 40/10 (2020.01) A24F 15/12 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **VAPING SYSTEM WITH LIQUID RE-FILLING DEVICE**
[54] **SYSTEME DE VAPOTAGE ET DISPOSITIF DE REMPLISSAGE DE LIQUIDE**
[72] MEMARI, KEVAH, GB
[72] BENNETT, ADRIAN, GB
[72] MURISON, IAN, GB
[72] MARSH, STEPHEN, GB
[73] AYR LTD, GB
[85] 2016-08-24
[86] 2015-02-27 (PCT/GB2015/050571)
[87] (WO2015/128665)
[30] GB (1403566.1) 2014-02-28
[30] GB (1408173.1) 2014-05-08
[30] GB (1413018.1) 2014-07-23
[30] GB (1413019.9) 2014-07-23
[30] GB (1413021.5) 2014-07-23
[30] GB (1413025.6) 2014-07-23
[30] GB (1413027.2) 2014-07-23
[30] GB (1413028.0) 2014-07-23
[30] GB (1413030.6) 2014-07-23
[30] GB (1413032.2) 2014-07-23
[30] GB (1413034.8) 2014-07-23
[30] GB (1413036.3) 2014-07-23
[30] GB (1413037.1) 2014-07-23

[11] **2,940,859**
[13] C

- [51] **Int.Cl. H04R 3/04 (2006.01) H04R 29/00 (2006.01)**
[25] FR
[54] **DEVICE FOR CONTROLLING A LOUDSPEAKER**
[54] **DISPOSITIF DE COMMANDE D'UN HAUT-PARLEUR**
[72] MENDES, EDUARDO, FR
[72] CALMEL, PIERRE-EMMANUEL, FR
[72] PETROFF, ANTOINE, FR
[72] AFRESNE, JEAN-LOUP, FR
[73] DEVIALET, FR
[85] 2016-08-26
[86] 2015-02-18 (PCT/EP2015/053431)
[87] (WO2015/128238)
[30] FR (1451564) 2014-02-26

[11] **2,940,928**
[13] C

- [51] **Int.Cl. C12N 15/62 (2006.01) A61K 35/763 (2015.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 7/01 (2006.01) C12N 15/12 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **TRANSMEMBRANE CD154 PROTEINS WITH OLIGOMERIZATION DOMAIN AND MEDICAL USES THEREOF**
[54] **PROTEINES CD154 TRANSMEMBRANAIRES A DOMAINE D'OLIGOMERISATION ET UTILISATIONS MEDICALES**
[72] LOSKOG, ANGELICA, SE
[73] LOKON PHARMA AB, SE
[85] 2016-08-26
[86] 2015-04-07 (PCT/EP2015/057489)
[87] (WO2015/155174)
[30] EP (14163704.1) 2014-04-07

[11] **2,940,950**
[13] C

- [51] **Int.Cl. E21B 43/34 (2006.01) E21B 43/40 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REDUCING PRODUCED WATER DISPOSAL VOLUMES UTILIZING WASTE HEAT**
[54] **METHODE ET SYSTEME DE REDUCTION DE VOLUMES DE DECHETS D'EAU PRODUITE AU MOYEN DE LA CHALEUR DES DECHETS**
[72] SUTHERLAND, JOHN JOSEPH, CA
[72] MASCARENHAS, AUDREY MARIA, CA
[72] BOUCHARD, JUSTIN EDWARD, CA
[72] NELSON, JEFFREY DAVID, CA
[73] QUESTOR TECHNOLOGY INC., CA
[86] (2940950)
[87] (2940950)
[22] 2016-09-02
[30] US (62/214,067) 2015-09-03

**Canadian Patents Issued
January 9, 2024**

[11] **2,942,270**
[13] C

[51] **Int.Cl. B60R 11/04 (2006.01)**
[25] EN
[54] **WORK VEHICLES INCLUDING IMPLEMENT-RESPONSIVE OPTICAL SYSTEMS**
[54] **VEHICULES DE TRAVAIL COMPORTANT DES DISPOSITIFS OPTIQUES REAGISSANT AUX ACCESSOIRES**
[72] LINAN, JOSE RENE, MX
[72] PAILLET, FREDERIC, FR
[73] DEERE & COMPANY, US
[86] (2942270)
[87] (2942270)
[22] 2016-09-16
[30] US (14/929,001) 2015-10-30

[11] **2,942,675**
[13] C

[51] **Int.Cl. F25J 3/08 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR HEAVY HYDROCARBON REMOVAL FROM LEAN NATURAL GAS BEFORE LIQUEFACTION**
[54] **PROCEDE ET APPAREIL POUR L'ELIMINATION D'UN HYDROCARBURE LOURD DE GAZ NATUREL PAUVRE AVANT LIQUEFACTION**
[72] GASKIN, THOMAS K., US
[72] YAMIN, FEREDOUN, US
[72] PATEL, SANJIV N., US
[72] BALKO, CATHERINE L., AU
[73] LUMMUS TECHNOLOGY INC., US
[85] 2016-09-13
[86] 2015-03-13 (PCT/US2015/020360)
[87] (WO2015/138846)
[30] US (61/953,355) 2014-03-14

[11] **2,943,007**
[13] C

[51] **Int.Cl. A61K 39/015 (2006.01) A61K 39/39 (2006.01) A61P 33/06 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **NOVEL METHODS FOR INDUCING AN IMMUNE RESPONSE**
[54] **NOUVEAUX PROCEDES D'INDUCTION D'UNE REPOSE IMMUNITAIRE**
[72] BALLOU, WILLIAM RIPLEY, JR., BE
[72] DIDIERLAURENT, ARNAUD MICHEL, BE
[72] VAN DER MOST, ROBBERT GERRIT, BE
[73] GLAXOSMITHKLINE BIOLOGICALS S.A., BE
[85] 2016-09-16
[86] 2015-04-02 (PCT/EP2015/057424)
[87] (WO2015/150568)
[30] GB (1405921.6) 2014-04-02

[11] **2,944,435**
[13] C

[51] **Int.Cl. G06T 15/00 (2011.01) A63F 13/52 (2014.01)**
[25] EN
[54] **METHODS, SYSTEMS AND COMPUTER-READABLE MEDIA FOR DIFFUSE GLOBAL ILLUMINATION USING PROBES**
[54] **METHODES, SYSTEMES ET SUPPORT INFORMATIQUE DESTINES A DIFFUSER UN ECLAIRAGE GLOBAL AU MOYEN DE SONDRES**
[72] LEBLANC, LUC, CA
[72] DUFORT, JEAN-FRANCOIS, CA
[73] SQUARE ENIX, LTD., GB
[86] (2944435)
[87] (2944435)
[22] 2016-10-04

[11] **2,944,610**
[13] C

[51] **Int.Cl. C07D 471/22 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **(5,6-DIHYDRO)PYRIMIDO[4,5-E]INDOLIZINES**
[54] **(5,6-DIHYDRO)PYRIMIDO[4,5-E]INDOZILINES**
[72] DE MAN, ADRIANUS PETRUS ANTONIUS, NL
[72] BUIJSMAN, ROGIER CHRISTIAN, NL
[72] STERRENBURG, JAN GERARD, NL
[72] UITDEHAAG, JOOST CORNELIS MARINUS, NL
[72] DE WIT, JOERI JOHANNES PETRUS, NL
[72] ZAMAN, GUIDO JENNY RUDOLF, NL
[73] NETHERLANDS TRANSLATIONAL RESEARCH CENTER B.V., NL
[85] 2016-09-30
[86] 2015-03-30 (PCT/EP2015/056839)
[87] (WO2015/155042)
[30] EP (14163734.8) 2014-04-07
[30] EP (15153207.4) 2015-01-30

[11] **2,944,709**
[13] C

[51] **Int.Cl. E02D 7/00 (2006.01) E02D 3/12 (2006.01) E02D 5/00 (2006.01) E02D 5/66 (2006.01)**
[25] EN
[54] **STRUCTURAL SUPPORT**
[54] **SUPPORT STRUCTURAL**
[72] MOROSCHAN, CASEY, CA
[73] POLY-MOR CANADA INC., CA
[86] (2944709)
[87] (2944709)
[22] 2016-10-07

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,945,459**
[13] C

[51] **Int.Cl. F16M 11/20 (2006.01) B64F 5/50 (2017.01) B25H 1/00 (2006.01) F02C 7/00 (2006.01) F16M 1/04 (2006.01)**

[25] EN

[54] **HORIZONTAL ENGINE BUILD STAND**

[54] **SUPPORT DE CONSTRUCTION DE MOTEUR HORIZONTAL**

[72] MURPHY, GABRIELLE, US

[72] LEWIS, ROBERT M., US

[72] REINHARDT, GREGORY E., US

[73] RAYTHEON TECHNOLOGIES CORPORATION, US

[86] (2945459)

[87] (2945459)

[22] 2016-10-14

[30] US (14/883,682) 2015-10-15

[11] **2,945,505**
[13] C

[51] **Int.Cl. G06F 16/907 (2019.01)**

[25] EN

[54] **ELECTRONIC DEVICE AND METHOD OF SEARCHING DATA RECORDS**

[54] **DISPOSITIF ELECTRONIQUE ET METHODE DE RECHERCHE DE REGISTRES DE DONNEES**

[72] BRUCK, JAMES ARTHUR, CA

[72] FERGUSON, GEORDON THOMAS, CA

[72] QI, SONG TAO, CA

[72] JUDGE, FRANCIS PATRICK, US

[72] COLLINS, CORA LYNNE, CA

[73] BLACKBERRY LIMITED, CA

[86] (2945505)

[87] (2945505)

[22] 2016-10-13

[30] US (14/924,534) 2015-10-27

[11] **2,945,654**
[13] C

[51] **Int.Cl. B65D 81/05 (2006.01)**

[25] EN

[54] **ANGLE EDGE PROTECTOR HAVING A COVER**

[54] **PROTECTEUR DE BORD D'ANGLE COMPRENANT UN COUVERCLE**

[72] FLUERY, TODD, CA

[72] BAKER, MARCUS, US

[73] FLUERY, TODD, CA

[73] BAKER, MARCUS, US

[86] (2945654)

[87] (2945654)

[22] 2016-10-18

[30] US (62/243,981) 2015-10-20

[11] **2,945,832**
[13] C

[51] **Int.Cl. E21F 1/10 (2006.01) E06B 5/10 (2006.01) E06B 5/14 (2006.01)**

[25] EN

[54] **MINE DOOR**

[54] **PORTE DE MINE**

[72] KENNEDY, WILLIAM R., US

[72] KENNEDY, JOHN M., US

[73] JACK KENNEDY METAL PRODUCTS & BUILDINGS, INC., US

[86] (2945832)

[87] (2945832)

[22] 2016-10-18

[30] US (62/243,683) 2015-10-20

[30] US (15/291,731) 2016-10-12

[11] **2,945,889**
[13] C

[51] **Int.Cl. C12N 5/078 (2010.01) C12N 5/07 (2010.01) C12N 5/0781 (2010.01) C12N 5/0783 (2010.01) C07K 16/28 (2006.01) C12M 3/00 (2006.01)**

[25] EN

[54] **METHODS, KITS AND APPARATUS FOR EXPANDING A POPULATION OF CELLS**

[54] **METHODES, KITS ET APPAREIL POUR LA MULTIPLICATION D'UNE POPULATION DE CELLULES**

[72] GERMEROOTH, LOTHAR, DE

[72] STEMBERGER, CHRISTIAN, DE

[73] JUNO THERAPEUTICS GMBH, DE

[85] 2016-10-14

[86] 2015-04-16 (PCT/EP2015/058339)

[87] (WO2015/158868)

[30] US (61/980,506) 2014-04-16

[11] **2,946,428**
[13] C

[51] **Int.Cl. G01V 1/40 (2006.01) G01V 1/46 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PROCESSING DIPOLE ANISOTROPY**

[54] **PROCEDE ET SYSTEME DE TRAITEMENT D'ANISOTROPIE BIPOLAIRE**

[72] ENDO, TAKESHI, JP

[72] VALERO, HENRI-PIERRE, FR

[72] SYRESIN, DENIS, JP

[73] SCHLUMBERGER CANADA LIMITED, CA

[86] (2946428)

[87] (2946428)

[22] 2016-10-26

[30] US (62/247,186) 2015-10-27

[30] US (15/333,199) 2016-10-25

[11] **2,946,656**
[13] C

[51] **Int.Cl. G01S 19/28 (2010.01) G01S 19/39 (2010.01)**

[25] EN

[54] **SMART SATELLITE DISTRIBUTION INTO ARAIM CLUSTERS FOR USE IN MONITORING INTEGRITY OF COMPUTED NAVIGATION SOLUTIONS**

[54] **DISTRIBUTION DE SATELLITE INTELLIGENT DANS LES GRAPPES ARAIM DESTINEES A LA SURVEILLANCE DE L'INTEGRITE DE SOLUTIONS DE NAVIGATION CALCULEES**

[72] SKALICKY, JAKUB, US

[72] RAASAKKA, JUSSI, US

[72] OREJAS, MARTIN, US

[72] KUTIK, ONDREJ, US

[73] HONEYWELL INTERNATIONAL INC., US

[86] (2946656)

[87] (2946656)

[22] 2016-10-26

[30] US (15/221,399) 2016-07-27

[30] US (62/254,873) 2015-11-13

Canadian Patents Issued
January 9, 2024

[11] **2,950,298**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6869 (2018.01) C12M 1/34 (2006.01) C12M 1/40 (2006.01) C12N 9/12 (2006.01) C12P 19/34 (2006.01) C12Q 1/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **COMPOSITIONS, SYSTEMS, AND METHODS FOR DETECTING EVENTS USING TETHERS ANCHORED TO OR ADJACENT TO NANOPORES**
[54] **COMPOSITIONS, SYSTEMES ET PROCEDES POUR DETECTER DES EVENEMENTS A L'AIDE D'ATTACHES ANCREES OU ADJACENTES A DES NANOPORES**
[72] MANDELL, JEFFREY G., US
[72] GUNDERSON, KEVIN L., US
[72] GUNDLACH, JENS H., US
[73] ILLUMINA, INC., US
[85] 2016-11-24
[86] 2015-06-02 (PCT/US2015/033749)
[87] (WO2015/187670)
[30] US (62/007,248) 2014-06-03
[30] US (62/157,371) 2015-05-05

[11] **2,950,541**
[13] C
[51] **Int.Cl. F42B 6/08 (2006.01) F42B 6/02 (2006.01)**
[25] EN
[54] **PADDED ARROW HEAD**
[54] **TETE DE FLECHE REMBOURREE**
[72] WONG, EDWARD WAI CHEUNG, CA
[72] WONG, CASPER CHORD YAN, CA
[73] TEAM 3 INDUSTRIES INC., CA
[86] (2950541)
[87] (2950541)
[22] 2016-12-02
[30] US (62/270,594) 2015-12-22

[11] **2,950,871**
[13] C
[51] **Int.Cl. H04N 21/242 (2011.01) H04H 20/18 (2009.01) H04N 21/233 (2011.01)**
[25] EN
[54] **CONTINUOUS AUTOMATED SYNCHRONIZATION OF AN AUDIO TRACK IN A MOVIE THEATER**
[54] **SYNCHRONISATION AUTOMATISEE CONTINUE D'UNE PISTE AUDIO DANS UN CINEMA**
[72] MANGRU, DANNY, US
[73] THEATER EARS, LLC, US
[86] (2950871)
[87] (2950871)
[22] 2016-12-07

[11] **2,951,118**
[13] C
[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6853 (2018.01) C12M 1/34 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **NUCLEIC ACID SYNTHESIS TECHNIQUES**
[54] **TECHNIQUES DE SYNTHESE D'ACIDE NUCLEIQUE**
[72] RONAGHI, MOSTAFA, US
[72] HE, MOLLY, US
[72] CHEN, CHENG-YAO, US
[72] PREVITE, MICHAEL, US
[72] BOWEN, SHANE, US
[73] ILLUMINA, INC., US
[85] 2016-12-02
[86] 2015-05-14 (PCT/US2015/030889)
[87] (WO2015/175832)
[30] US (61/994,498) 2014-05-16

[11] **2,951,840**
[13] C
[51] **Int.Cl. C07K 14/54 (2006.01) C12N 5/10 (2006.01) C12N 15/24 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **N-TERMINALLY TRUNCATED INTERLEUKIN-38**
[54] **INTERLEUKINE-38 TRONQUEE AU NIVEAU DE L'EXTREMITE N**
[72] WEIGERT, ANDREAS, DE
[72] MORA, JAVIER, DE
[72] BRUENE, BERNHARD, DE
[72] DILLMANN, CHRISTINA, DE
[72] PARNHAM, MICHAEL JOHN, DE
[72] GEISLINGER, GERD, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2016-12-09
[86] 2015-07-14 (PCT/EP2015/066084)
[87] (WO2016/012312)
[30] EP (14178478.5) 2014-07-25

[11] **2,952,089**
[13] C
[51] **Int.Cl. B01J 3/03 (2006.01) B65D 90/54 (2006.01)**
[25] EN
[54] **PRESSURE VESSEL AND DOOR ACTUATOR**
[54] **RECIPIENT A PRESSION ET ACTIONNEUR DE PORTE**
[72] EUWER, MARK C., US
[72] JANSMA, BARRY G., US
[72] DO, THOMAS TUAN-HUY, US
[73] NATIONAL OILWELL VARCO, L.P., US
[86] (2952089)
[87] (2952089)
[22] 2016-12-16
[30] US (15/375,227) 2016-12-12

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,953,097**
[13] C

[51] **Int.Cl. A61F 2/38 (2006.01) A61B 5/103 (2006.01) A61B 17/56 (2006.01) A61F 2/46 (2006.01) A61F 2/48 (2006.01)**

[25] EN

[54] **DEVICES, SYSTEMS AND METHODS FOR MONITORING KNEE REPLACEMENTS**

[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE SURVEILLANCE DE REMPLACEMENTS DU GENOU**

[72] HUNTER, WILLIAM L., CA

[73] CANARY MEDICAL INC., CA

[85] 2016-12-20

[86] 2014-06-23 (PCT/US2014/043736)

[87] (WO2014/209916)

[30] US (61/838,317) 2013-06-23

[11] **2,954,023**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/12 (2006.01) A61K 35/14 (2015.01)**

[25] EN

[54] **DEVICES AND METHODS FOR INJECTABLE VASCULAR SCLEROFOAMS USING A CARRIER MATRIX AND USES THEREOF**

[54] **DISPOSITIFS ET PROCEDES POUR MOUSSES SCLEROSANTES VASCULAIRES INJECTABLES METTANT EN OEUVRE UNE MATRICE SUPPORT ET LEURS UTILISATIONS**

[72] RAGG, JOHANN CHRISTOF, DE

[73] SWISS VX VENENTHERAPIE UND FORSCHUNG GMBH, CH

[85] 2016-12-30

[86] 2015-07-02 (PCT/EP2015/065142)

[87] (WO2016/001378)

[30] EP (14175609.8) 2014-07-03

[11] **2,955,160**
[13] C

[51] **Int.Cl. B61D 3/18 (2006.01) B61D 3/00 (2006.01) B61D 3/02 (2006.01) B61D 3/04 (2006.01)**

[25] EN

[54] **AUTO RACK CAR CONVERSIONS AND DECK ADJUSTMENTS**

[54] **CONVERSIONS DE SUPPORT ET AJUSTEMENTS DE PLATEFORME DE WAGON**

[72] HUCK, KENNETH W., US

[72] VANDE SANDE, JERRY W., US

[72] MCGHEE, BRANT R., US

[73] TRINITY NORTH AMERICAN FREIGHT CAR, INC., US

[86] (2955160)

[87] (2955160)

[22] 2017-01-12

[30] US (62/289,666) 2016-02-01

[30] US (15/206,876) 2016-07-11

[11] **2,958,449**
[13] C

[51] **Int.Cl. E21B 43/241 (2006.01) C09K 8/592 (2006.01) E21B 43/24 (2006.01)**

[25] EN

[54] **METHODS FOR ACCELERATING RECOVERY OF HEAVY HYDROCARBONS WITH CO-INJECTION OF STEAM AND VOLATILE AGENT**

[54] **METHODES D'ACCELERATION DE LA RECUPERATION D'HYDROCARBURES LOURDS PAR COINJECTION DE VAPEUR ET D'AGENT VOLATILE**

[72] KOCHHAR, ISHAN DEEP S., CA

[72] SEIB, BRENT DONALD, CA

[73] FCCL PARTNERSHIP, CA

[86] (2958449)

[87] (2958449)

[22] 2017-02-16

[30] US (62/296,022) 2016-02-16

[11] **2,958,526**
[13] C

[51] **Int.Cl. C10G 2/00 (2006.01) C10L 3/00 (2006.01)**

[25] EN

[54] **PROCESS FOR PRODUCING SYNTHESIS GAS**

[54] **PROCEDE DE PRODUCTION DE GAZ SYNTHETIQUE**

[72] HEINZEL, ALBRECHT, DE

[72] MABROUK, RACHID, DE

[73] LINDE AKTIENGESELLSCHAFT, DE

[86] (2958526)

[87] (2958526)

[22] 2017-02-21

[30] DE (102016002728.2) 2016-03-08

[11] **2,958,585**
[13] C

[51] **Int.Cl. A61K 38/07 (2006.01)**

[25] EN

[54] **USE OF PEPTIDE D-ARG-2',6'-DMT-LYS-PHE-NH₂ FOR THE TREATMENT OF ALPORT SYNDROME**

[54] **UTILISATION DE PEPTIDE D-ARG-2',6'-DMT-LYS-PHE-NH₂ POUR LE TRAITEMENT DU SYNDROME D'ALPORT**

[72] WILSON, D. TRAVIS, US

[73] STEALTH BIOTHERAPEUTICS INC., US

[85] 2017-02-17

[86] 2015-08-20 (PCT/US2015/046130)

[87] (WO2016/029027)

[30] US (62/040,236) 2014-08-21

[11] **2,958,782**
[13] C

[51] **Int.Cl. C07D 498/22 (2006.01) A61K 31/529 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **MACROCYCLIC RIP2 KINASE INHIBITORS**

[54] **INHIBITEURS MACROCYCLIQUES DES KINASES RIP2**

[72] HOFACK, JAN, BE

[72] BLOM, PETRA, BE

[72] BENDERITTER, PASCAL, FR

[73] ONCODESIGN PRECISION MEDICINE (OPM), FR

[85] 2017-02-21

[86] 2015-09-17 (PCT/EP2015/071347)

[87] (WO2016/042087)

[30] EP (14185130.3) 2014-09-17

**Canadian Patents Issued
January 9, 2024**

[11] **2,958,807**
[13] C

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 14/71 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01)**

[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES**

[72] BONDANZA, ATTILIO, IT
[72] CASUCCI, MONICA, IT
[72] BONINI, MARIA CHIARA, IT
[73] MOLMED SPA, IT
[85] 2017-02-21
[86] 2015-09-14 (PCT/IB2015/057049)
[87] (WO2016/042461)
[30] EP (14184838.2) 2014-09-15

[11] **2,960,268**
[13] C

[51] **Int.Cl. C12N 5/0775 (2010.01) C12N 5/077 (2010.01) A61K 35/12 (2015.01)**

[25] EN
[54] **ADIPOSE-DERIVED MESENCHYMAL STEM CELLS FOR FELINE STOMATITIS TREATMENT**
[54] **CELLULES SOUCHES MESENCHYMATEUSES ADIPEUSES POUR LE TRAITEMENT DE STOMATITES FELINES**

[72] ARZI, BOAZ, US
[72] BORJESSON, DORI L., US
[72] VERSTRAETE, FRANK J.M., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2017-03-03
[86] 2014-08-18 (PCT/US2014/051524)
[87] (WO2015/034660)
[30] US (61/874,346) 2013-09-05

[11] **2,960,733**
[13] C

[51] **Int.Cl. C07D 211/60 (2006.01)**

[25] EN
[54] **PROCESSES AND INTERMEDIATES IN THE PREPARATION OF C5AR ANTAGONISTS**
[54] **PROCEDES ET INTERMEDIAIRES UTILISES DANS LA PREPARATION D'ANTAGONISTES DE C5AR**

[72] FAN, PINGCHEN, US
[72] KALISIAK, JAROSLAW, US
[72] KRASINSKI, ANTONI, US
[72] LUI, REBECCA, US
[72] POWERS, JAY, US
[72] PUNNA, SREENIVAS, US
[72] TANAKA, HIROKO, US
[72] ZHANG, PENGLIE, US
[73] CHEMOCENTRYX, INC., US
[85] 2017-03-08
[86] 2015-09-28 (PCT/US2015/052697)
[87] (WO2016/053890)
[30] US (62/057,107) 2014-09-29

[11] **2,961,426**
[13] C

[51] **Int.Cl. G01N 33/574 (2006.01) A61K 39/395 (2006.01)**

[25] EN
[54] **A METHOD OF TREATING BONE METASTASIS DISEASES, MEDICAMENTS THEREFORE, AND A METHOD OF PREDICTING THE CLINICAL OUTCOME OF TREATING BONE METASTASIS DISEASES**
[54] **METHODE DE TRAITEMENT DE MALADIES PROVOQUEES PAR DES METASTASES OSSEUSES, MEDICAMENTS A CET EFFET, ET METHODE DE PREDICTION DU RESULTAT CLINIQUE DU TRAITEMENT DE MALADIES PROVOQUE ES PAR DES METASTASES OSSEUSES**

[72] STRAUB, JOSEF, DE
[72] STAUB, EIKE, DE
[73] MERCK PATENT GMBH, DE
[85] 2017-03-15
[86] 2015-08-18 (PCT/EP2015/001701)
[87] (WO2016/041616)
[30] US (62/051,525) 2014-09-17

[11] **2,962,102**
[13] C

[51] **Int.Cl. A61B 5/377 (2021.01) A61B 5/378 (2021.01) A61B 5/38 (2021.01) A61B 5/12 (2006.01) G06F 17/10 (2006.01)**

[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR DETECTING AN EVOKED RESPONSE SIGNAL**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR DETECTER UN SIGNAL DE REPOSE EVOQUEE**

[72] ROWLANDS, STEPHEN ALLAN, CA
[72] KURTZ, ISAAC (DECEASED), CA
[72] STEINMAN, AARON, CA
[73] VIVOSONIC INC., CA
[85] 2017-03-22
[86] 2015-09-24 (PCT/CA2015/050950)
[87] (WO2016/044942)
[30] US (62/054,538) 2014-09-24

[11] **2,963,089**
[13] C

[51] **Int.Cl. A01N 1/02 (2006.01) A61K 31/555 (2006.01) A61K 31/714 (2006.01) A61K 38/42 (2006.01) A61P 39/00 (2006.01) A61P 41/00 (2006.01)**

[25] EN
[54] **COMPOSITIONS AND KITS COMPRISING IRON SUCROSE AND A METAL PROTOPORPHYRIN OR VITAMIN B12 FOR USE IN PROTECTING ORGANS**
[54] **COMPOSITIONS ET TROUSSES COMPRENANT UN SACCHAROSE DE FER ET UNE PROTOPORPHYRINE METALLIQUE OU UNE VITAMINE B12 A UTILISER POUR LA PROTECTION DES ORGANES**

[72] ZAGER, RICHARD, US
[72] JOHNSON, ALI CM, US
[73] SEATTLE CANCER CARE ALLIANCE, US
[85] 2017-03-29
[86] 2015-09-28 (PCT/US2015/052676)
[87] (WO2016/053882)
[30] US (62/057,047) 2014-09-29
[30] US (62/212,232) 2015-08-31

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,963,968**
[13] C

[51] **Int.Cl. C40B 30/04 (2006.01) C12N 5/077 (2010.01) C12Q 1/6806 (2018.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS RELATING TO ASSAYS OF FETAL EXTRAVILLOUS TROPHOBLAST CELLS**

[54] **PROCEDES ET COMPOSITIONS CONCERNANT DES DOSAGES DE CELLULES TROPHOBLASTIQUES EXTRA-VILLEUX D'ORIGINE FOETALE**

[72] ARMANT, D. RANDALL, US
[72] DREWLO, SASCHA, US
[73] WAYNE STATE UNIVERSITY, US
[85] 2017-04-06
[86] 2015-10-12 (PCT/US2015/055126)
[87] (WO2016/057993)
[30] US (62/062,433) 2014-10-10

[11] **2,964,665**
[13] C

[51] **Int.Cl. D21C 5/02 (2006.01) D21C 3/00 (2006.01) D21C 9/08 (2006.01) D21H 17/13 (2006.01) D21H 17/59 (2006.01)**

[25] EN

[54] **A METHOD FOR CONTROLLING THE DEPOSITION OF STICKIES IN PULPING AND PAPERMAKING PROCESSES**

[54] **PROCEDE DE LUTTE CONTRE LE DEPOT DE MATIERES COLLANTES DANS LES PROCESSUS DE TRITURATION ET DE FABRICATION DU PAPIER**

[72] BLASING, BIRGIT, DE
[72] FRIDRISCHAK, SIEGMUND, DE
[72] NELLESSEN, BERNHARD, DE
[72] SCHENKER, ACHIM, DE
[73] NOPCO PAPER TECHNOLOGY GMBH, DD
[85] 2017-04-13
[86] 2015-10-15 (PCT/EP2015/073874)
[87] (WO2016/059153)
[30] GB (1418288.5) 2014-10-15

[11] **2,965,414**
[13] C

[51] **Int.Cl. A61K 38/21 (2006.01) A61K 39/395 (2006.01) A61P 39/00 (2006.01) C07K 14/56 (2006.01) C07K 16/28 (2006.01) C12N 15/21 (2006.01)**

[25] EN

[54] **INTERFERON .ALPHA.2.BETA. VARIANTS**

[54] **VARIANTES DE L'INTERFERON .ALPHA.2.BETA.**

[72] BEHRENS, COLLETTE, AU
[72] DOYLE, ANTHONY, AU
[72] CLARKE, ADAM, AU
[72] POLLARD, MATTHEW, AU
[72] DOMAGALA, TERESA, AU
[73] TEVA PHARMACEUTICALS AUSTRALIA PTY LTD, AU
[85] 2017-04-21
[86] 2015-10-23 (PCT/AU2015/050654)
[87] (WO2016/065409)
[30] AU (2014904326) 2014-10-29

[11] **2,965,679**
[13] C

[51] **Int.Cl. B32B 33/00 (2006.01) B32B 37/00 (2006.01) B32B 38/08 (2006.01)**

[25] EN

[54] **MICROORGANISM-RESISTANT MATERIALS AND ASSOCIATED DEVICES, SYSTEMS, AND METHODS**

[54] **MATIERES RESISTANT AUX MICRO-ORGANISMES ET DISPOSITIFS, SYSTEMES ET PROCEDES ASSOCIES**

[72] BOWDEN, ANTON, US
[72] JENSEN, BRIAN, US
[72] MORCO, STEPHANIE, US
[73] BRIGHAM YOUNG UNIVERSITY, US
[85] 2017-04-24
[86] 2015-10-28 (PCT/US2015/057908)
[87] (WO2016/069811)
[30] US (62/122,723) 2014-10-28

[11] **2,967,127**
[13] C

[51] **Int.Cl. C12N 15/82 (2006.01) A01H 1/08 (2006.01) C07K 14/415 (2006.01) C12N 9/10 (2006.01) C12N 9/16 (2006.01) C12N 9/18 (2006.01) C12N 9/90 (2006.01)**

[25] EN

[54] **NUCLEIC ACIDS AND METHODS FOR INCREASING THE INDUCTION CAPABILITY OF A HAPLOID INDUCTOR**

[54] **ACIDES NUCLEIQUES ET METHODES POUR ACCROITRE LA CAPACITE D'INDUCTION D'UN INDUCTEUR HAPLOIDE**

[72] BOLDUAN, CHRISTOF, DE
[72] KLOIBER-MAITZ, MONIKA, DE
[72] NIESSEN, MARKUS, DE
[72] OUZUNOVA, MILENA, DE
[72] WELTMEIER, FRIDTJOF, DE
[73] KWS SAAT SE, DE
[85] 2017-05-10
[86] 2015-11-12 (PCT/EP2015/076469)
[87] (WO2016/075255)
[30] DE (10 2014 016 667.8) 2014-11-12

[11] **2,967,988**
[13] C

[51] **Int.Cl. G01K 11/32 (2021.01) G01K 11/3206 (2021.01) G01K 11/322 (2021.01) B64D 45/00 (2006.01) G01B 11/16 (2006.01)**

[25] EN

[54] **OPTICAL HEALTH MONITORING FOR AIRCRAFT OVERHEAT AND FIRE DETECTION SYSTEMS**

[54] **SURVEILLANCE D'ETAT OPTIQUE DESTINEE A DES SYSTEMES DE DETECTION DE SURCHAUFFE ET D'INCENDIE DANS UN AERONEF**

[72] WILSON, CHRISTOPHER, US
[72] FRASURE, DAVID WILLIAM, US
[72] KERN, MARK THOMAS, US
[72] MILLER, MARK SHERWOOD, US
[72] NEWLIN, SCOTT KENNETH, US
[72] GEORGIOULIAS, CHRIS GEORGE, US
[72] CORETH, STEFAN, US
[72] BELL, KEN, US
[73] KIDDE TECHNOLOGIES, INC., US
[86] (2967988)
[87] (2967988)
[22] 2017-05-18
[30] US (62/338,775) 2016-05-19

**Canadian Patents Issued
January 9, 2024**

[11] **2,968,038**
[13] C

[51] **Int.Cl. H04L 9/06 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **BLOCK CRYPTOGRAPHIC METHOD FOR ENCRYPTING/DECRYPTING MESSAGES AND CRYPTOGRAPHIC DEVICES FOR IMPLEMENTING THIS METHOD**
[54] **PROCEDE CRYPTOGRAPHIQUE PAR BLOCS POUR CHIFFRER/DECHIFFRER DES MESSAGES ET DISPOSITIFS CRYPTOGRAPHIQUES DE MISE EN OEUVRE DE CE PROCEDE**
[72] WYSEUR, BRECHT, CH
[73] NAGRAVISION S.A., CH
[85] 2017-05-16
[86] 2015-12-01 (PCT/EP2015/078115)
[87] (WO2016/087395)
[30] EP (14196089.8) 2014-12-03

[11] **2,968,097**
[13] C

[51] **Int.Cl. G01D 5/353 (2006.01) B64D 45/00 (2006.01) G01B 11/16 (2006.01)**
[25] EN
[54] **AIRCRAFT OVERHEAT DETECTION USING OPTICAL FIBER TECHNOLOGY FOR SYSTEM HEALTH MONITORING**
[54] **DETECTION DE SURCHAUFFE D'UN AERONEF AU MOYEN DE LA TECHNOLOGIE A FIBRE OPTIQUE DESTINEE A LA SURVEILLANCE D'ETAT DU SYSTEME**
[72] WILSON, CHRISTOPHER, US
[72] FRASURE, DAVID WILLIAM, US
[72] KERN, MARK THOMAS, US
[72] MILLER, MARK SHERWOOD, US
[72] NEWLIN, SCOTT KENNETH, US
[72] GEORGOULIAS, CHRIS GEORGE, US
[72] CORETH, STEFAN, US
[72] BELL, KEN, US
[73] KIDDE TECHNOLOGIES, INC., US
[86] (2968097)
[87] (2968097)
[22] 2017-05-18
[30] US (62/338,783) 2016-05-19

[11] **2,968,211**
[13] C

[51] **Int.Cl. A61M 37/00 (2006.01) C12N 5/071 (2010.01) A61J 3/00 (2006.01) A61M 5/142 (2006.01) A61M 31/00 (2006.01) C12M 1/26 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **INSTRUMENTS AND METHODS FOR LOADING CELLS INTO IMPLANTABLE DEVICES**
[54] **INSTRUMENTS ET PROCEDES POUR LE CHARGEMENT DE CELLULES DANS DES DISPOSITIFS IMPLANTABLES**
[72] GREEN, CHAD, US
[72] MARTINSON, LAURA, US
[72] OLSON, ERIK, US
[72] BELLORA, VAL ANTHONY, US
[72] ELLIOTT, LEAH, US
[72] GRANT, RICHARD ALEXANDER, US
[72] KOENIG, DONALD, US
[72] STROLLO, GIACOMO, US
[73] VIACYTE, INC., US
[85] 2017-05-17
[86] 2014-11-20 (PCT/US2014/060306)
[87] (WO2016/080943)

[11] **2,968,519**
[13] C

[51] **Int.Cl. C12N 15/10 (2006.01) C07K 1/22 (2006.01) C12M 1/34 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR GENE PURIFICATION AND IMAGING**
[54] **PROCEDES ET APPAREILS POUR LA PURIFICATION ET L'IMAGERIE DE GENES**
[72] DUNAWAY, DWAYNE, US
[72] KHAFIZOV, RUSTEM, US
[72] MEI, QIAN, US
[72] DENNIS, LUCAS, US
[72] KROUSE, MICHAEL, US
[72] BEECHEM, JOSEPH M., US
[72] SPRAGUE, ISAAC, US
[73] NANOSTRING TECHNOLOGIES, INC., US
[85] 2017-05-19
[86] 2015-11-23 (PCT/US2015/062109)
[87] (WO2016/085841)
[30] US (62/083,681) 2014-11-24

[11] **2,968,553**
[13] C

[51] **Int.Cl. F02C 7/36 (2006.01) B64D 35/00 (2006.01) F02C 7/32 (2006.01) F16H 1/22 (2006.01) F16H 3/085 (2006.01) F16H 37/04 (2006.01)**
[25] EN
[54] **REDUCTION GEARBOX FOR AIRCRAFT ENGINE**
[54] **BOITE DE REDUCTION DESTINEE A UN MOTEUR D'AERONEF**
[72] MITROVIC, LAZAR, CA
[72] MORGAN, KEITH, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2968553)
[87] (2968553)
[22] 2017-05-25
[30] US (15/177,783) 2016-06-09

[11] **2,969,412**
[13] C

[51] **Int.Cl. A47J 36/38 (2006.01) A21B 1/26 (2006.01) A21B 1/52 (2006.01) A21B 3/04 (2006.01) F24C 15/20 (2006.01)**
[25] FR
[54] **COOKING APPARATUS WITH AIR FLOW**
[54] **APPAREIL DE CUISSON A FLUX D'AIR**
[72] MUHR, NICOLAS, FR
[72] QUINARD, JEREMY, FR
[73] SEB S.A., FR
[86] (2969412)
[87] (2969412)
[22] 2017-06-01
[30] FR (1655557) 2016-06-15

[11] **2,969,571**
[13] C

[51] **Int.Cl. H04L 12/46 (2006.01) H04L 67/02 (2022.01) H04L 67/55 (2022.01) H04L 9/32 (2006.01)**
[25] EN
[54] **METHODS OF PROVIDING SINGLE SIGN-ON AT AUTHENTICATION SERVICE**
[54] **METHODES POUR FOURNIR UN SERVICE D'AUTHENTIFICATION A CONNEXION UNIQUE**
[72] WALTERS, RICHARD JOHN, GB
[72] KNOTT, SIMON DAVID, GB
[73] INTERMEDIA.NET, INC., US
[85] 2017-06-01
[86] 2015-11-05 (PCT/US2015/059155)
[87] (WO2016/089536)
[30] US (14/556,391) 2014-12-01

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,970,570**
[13] C

[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **DENTAL IMPLANT**
[54] **PROTHESE DENTAIRE**
[72] MEMMOLO, MARCELLO, CH
[72] JAN, HALL, SE
[72] DE HALLER, EMMANUEL, CH
[73] NOBEL BIOCARE SERVICES AG,
CH
[85] 2017-06-12
[86] 2015-12-14 (PCT/EP2015/079603)
[87] (WO2016/096734)
[30] EP (EP14198377.5) 2014-12-16

[11] **2,970,656**
[13] C

[51] **Int.Cl. B65F 1/06 (2006.01) B65F 1/14 (2006.01) B65F 1/16 (2006.01) A61L 9/00 (2006.01)**
[25] EN
[54] **CONTAINER FOR RECEIVING MULTIPLE FLEXIBLE BAG ASSEMBLIES**
[54] **RECIPIENT SERVANT A RECEVOIR PLUSIEURS ASSEMBLAGES DE SAC SOUPLE**
[72] DUNN, STEVEN BRYAN, US
[72] HATHERILL, MARK A., US
[72] JOHNSON, NEVIN D., US
[72] SAXTON, MATTHEW JOSEPH, US
[73] MUNCHKIN, INC., US
[85] 2017-06-12
[86] 2015-12-11 (PCT/US2015/065404)
[87] (WO2016/094879)
[30] US (62/090,558) 2014-12-11

[11] **2,970,831**
[13] C

[51] **Int.Cl. A61M 31/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES TO PREVENT PREMATURE BIRTH**
[54] **METHODES ET DISPOSITIFS VISANT A PREVENIR LES NAISSANCES PREMATUREES**
[72] CLINE, BENJAMIN KAHN, US
[72] PIERCE, RYAN KENDALL, US
[73] NINE MEDICAL, INC., US
[85] 2017-06-13
[86] 2016-01-11 (PCT/US2016/012881)
[87] (WO2016/112388)
[30] US (62/102,018) 2015-01-10
[30] US (62/116,568) 2015-02-16
[30] US (62/181,208) 2015-06-18
[30] US (62/194,798) 2015-07-20

[11] **2,971,418**
[13] C

[51] **Int.Cl. C08L 27/24 (2006.01) C08F 8/22 (2006.01) C08F 14/06 (2006.01) F16L 9/12 (2006.01)**
[25] EN
[54] **CPVC PIPE HAVING IMPROVED RESISTANCE TO ENVIRONMENTAL STRESS CRACKING**
[54] **TUBE EN CPVC A RESISTANCE AMELIOREE A LA FISSURATION SOUS CONTRAINTE DANS UN ENVIRONNEMENT DONNE**
[72] ZOOK, CHRISTOPHER D., US
[72] JULIUS, MARK D., US
[73] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2017-06-16
[86] 2015-12-17 (PCT/US2015/066251)
[87] (WO2016/100597)
[30] US (62/094,297) 2014-12-19

[11] **2,971,964**
[13] C

[51] **Int.Cl. G01S 3/12 (2006.01) H04W 4/14 (2009.01) G01S 19/14 (2010.01) H04W 4/38 (2018.01) H04W 4/80 (2018.01) H04B 1/59 (2006.01)**
[25] EN
[54] **ITEM AND OBJECT LOCATION SYSTEM**
[54] **ARTICLE ET SYSTEME DE REPERAGE D'OBJET**
[72] AL-YOUSIF, AHMED KHALIFA, AE
[73] AL-YOUSIF, AHMED KHALIFA, AE
[86] (2971964)
[87] (2971964)
[22] 2017-06-23

[11] **2,972,803**
[13] C

[51] **Int.Cl. C08F 4/649 (2006.01) C08F 10/00 (2006.01)**
[25] EN
[54] **CATALYST SYSTEMS, OLEFIN POLYMERIZATION CATALYST COMPONENTS COMPRISING AT LEAST AN INTERNAL ELECTRON DONOR COMPOUND, AND METHODS OF MAKING AND USING THE SAME**
[54] **SYSTEMES DE CATALYSEUR, COMPOSANTS DE CATALYSEUR DE POLYMERISATION D'OLEFINES COMPRENANT AU MOINS UN COMPOSE DONNEUR D'ELECTRONS INTERNE, ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] NGUYEN, BINH THANH, US
[72] FERNANDES, JONAS ALVES, US
[73] BRASKEM AMERICA, INC., US
[85] 2017-06-29
[86] 2015-12-31 (PCT/US2015/068259)
[87] (WO2016/109787)
[30] US (14/588,379) 2014-12-31

[11] **2,973,105**
[13] C

[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/88 (2006.01)**
[25] EN
[54] **BONE PLATING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FIXATION DE PLAQUE OSSEUSE**
[72] DAYTON, PAUL, US
[72] HATCH, DANIEL J., US
[72] SMITH, BRET W., US
[72] BRUMFIELD, DAVID L., US
[73] TREACE MEDICAL CONCEPTS, INC., US
[85] 2017-07-05
[86] 2016-01-07 (PCT/US2016/012462)
[87] (WO2016/112178)
[30] US (62/100,541) 2015-01-07
[30] US (62/145,964) 2015-04-10

**Canadian Patents Issued
January 9, 2024**

[11] **2,973,146**
[13] C

[51] **Int.Cl. A61K 31/40 (2006.01) C12N 5/077 (2010.01) A61K 31/403 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/522 (2006.01) A61K 35/28 (2015.01) A61P 35/02 (2006.01)**

[25] EN

[54] **COMPOSITION FOR USE IN INCREASING ENGRAFTMENT EFFICACY OF HAEMATOPOETIC STEM CELLS AFTER TRANSPLANTATION**

[54] **COMPOSITION POUR UNE UTILISATION DANS L'AUGMENTATION DE L'EFFICACITE DE LA PRISE DE GREFFE DE CELLULES SOUCHES HEMATOPOIETIQUES APRES UNE TRANSPLANTATION**

[72] FREISSMUTH, MICHAEL, AT

[72] ZEBEDIN-BRANDL, EVA-MARIA, AT

[72] KAZEMI, ZAHRA, AT

[73] SCIPHARM SARL, LU

[85] 2017-07-06

[86] 2016-01-27 (PCT/EP2016/051672)

[87] (WO2016/120310)

[30] EP (15152664.7) 2015-01-27

[11] **2,974,008**
[13] C

[51] **Int.Cl. F16L 21/08 (2006.01) F16L 21/00 (2006.01) F16L 57/00 (2006.01) F16L 57/04 (2006.01)**

[25] EN

[54] **HAZARDOUS ENVIRONMENT CONDUIT SEALING**

[54] **ETANCHEISATION DE CONDUIT DANS UN ENVIRONNEMENT DANGEREUX**

[72] TAYLOR, JESSE WADE, US

[72] SCARLATA, ANDREW FRANCIS, US

[72] MANAHAN, JOSEPH M., US

[72] ROTHENBERGER, RICHARD E., US

[73] EATON INTELLIGENT POWER LIMITED, IE

[86] (2974008)

[87] (2974008)

[22] 2017-07-19

[30] US (62/368,611) 2016-07-29

[11] **2,974,374**
[13] C

[51] **Int.Cl. A61B 5/097 (2006.01) A61B 5/08 (2006.01) A61M 16/06 (2006.01) A61M 16/08 (2006.01) B29C 45/17 (2006.01) B29C 45/26 (2006.01)**

[25] EN

[54] **NASAL/ORAL CANNULA SYSTEM AND MANUFACTURING**

[54] **SYSTEME DE CANULE NASALE/BUCCALE ET SON PROCEDE DE FABRICATION**

[72] ECKERBOM, ANDERS, SE

[72] ZYZANSKI, ROBERT, SE

[73] MASIMO SWEDEN AB, SE

[85] 2017-07-19

[86] 2016-01-22 (PCT/US2016/014621)

[87] (WO2016/118922)

[30] US (62/107,232) 2015-01-23

[11] **2,974,450**
[13] C

[51] **Int.Cl. A61K 38/48 (2006.01) A61K 8/02 (2006.01) A61K 8/66 (2006.01) A61K 9/08 (2006.01) A61M 5/31 (2006.01) A61P 21/00 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **BOTULINUM TOXIN PREFILLED CONTAINER**

[54] **RECIPIENT PREREMPLI DE TOXINE BOTULIQUE**

[72] VOGT, MARKUS, DE

[73] MERZ PHARMA GMBH & CO. KGAA, DE

[85] 2017-07-20

[86] 2015-12-22 (PCT/EP2015/002600)

[87] (WO2016/124213)

[30] EP (15000310.1) 2015-02-03

[11] **2,974,583**
[13] C

[51] **Int.Cl. G01C 9/00 (2006.01) B64D 43/00 (2006.01) B64D 45/02 (2006.01) F16C 35/07 (2006.01)**

[25] EN

[54] **ELECTRICAL ISOLATION OF ANGLE OF ATTACK VANE BEARINGS**

[54] **ISOLEMENT ELECTRIQUE DE PALIERS D'AUBE A ANGLE D'ATTAQUE**

[72] KRUEGER, WILLIAM B., US

[72] SCHWARTZ, RICHARD ALAN, US

[72] FREEMAN, KENNETH, US

[73] ROSEMOUNT AEROSPACE INC., US

[86] (2974583)

[87] (2974583)

[22] 2017-07-25

[30] US (15/267,309) 2016-09-16

[11] **2,974,816**
[13] C

[51] **Int.Cl. B65D 90/24 (2006.01)**

[25] EN

[54] **REMOVABLE FLUID BARRIER**

[54] **BARRIERE DE FLUIDE AMOVIBLE**

[72] CHEWINS, ELLIOTT, CA

[73] CHEWINS, ELLIOTT, CA

[86] (2974816)

[87] (2974816)

[22] 2017-07-28

[11] **2,974,962**
[13] C

[51] **Int.Cl. A61L 27/54 (2006.01) A61L 27/34 (2006.01) A61L 29/08 (2006.01) A61L 29/16 (2006.01) A61L 31/10 (2006.01) A61L 31/16 (2006.01)**

[25] EN

[54] **DELIVERY OF HYDROPHOBIC ACTIVE AGENT PARTICLES**

[54] **ADMINISTRATION DE PARTICULES D'UN AGENT ACTIF HYDROPHOBE**

[72] SLAGER, JORAM, US

[72] HEYER, TONI M., US

[72] BABCOCK, DAVID E., US

[73] SURMODICS, INC., US

[85] 2017-07-25

[86] 2016-01-29 (PCT/US2016/015644)

[87] (WO2016/123480)

[30] US (14/609,270) 2015-01-29

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,977,972**
[13] C

[51] **Int.Cl. F04D 7/06 (2006.01) F04D 29/02 (2006.01) F04D 29/28 (2006.01) F04D 29/42 (2006.01) B22D 17/30 (2006.01)**

[25] EN

[54] **ADVANCED MATERIAL OVERFLOW TRANSFER PUMP**

[54] **POMPE INNOVANTE DE TRANSFERT DE TROP-PLEIN DE MATERIAU**

[72] TETKOSKIE, JASON, US

[72] HENDERSON, RICHARD S., US

[72] JETTEN, PETER C., US

[72] HARMS, RENEE, US

[73] PYROTEK, INC., US

[85] 2017-08-25

[86] 2016-02-26 (PCT/US2016/019735)

[87] (WO2016/138359)

[30] US (62/121,805) 2015-02-27

[11] **2,978,019**
[13] C

[51] **Int.Cl. E21B 33/04 (2006.01) E21B 19/08 (2006.01) E21B 19/16 (2006.01)**

[25] EN

[54] **APPARATUS, SYSTEMS, AND METHODS FOR A ROTATABLE HANGER ASSEMBLY**

[54] **APPAREIL, SYSTEME ET METHODES DESTINES A UN ASSEMBLAGE DE SUPPORT PIVOTANT**

[72] FINOL, JAVIER ADOLFO GARCIA, CA

[72] MARTINKA, GLEN GEORGE, CA

[72] RASHID, S.M. MAMUN UR, CA

[73] NATIONAL OILWELL VARCO, L.P., US

[86] (2978019)

[87] (2978019)

[22] 2017-08-31

[30] US (62/382,223) 2016-08-31

[11] **2,978,163**
[13] C

[51] **Int.Cl. B65G 1/04 (2006.01) B25J 5/02 (2006.01) B65G 65/02 (2006.01) B65G 67/02 (2006.01)**

[25] EN

[54] **STORAGE SYSTEM AND METHODS**

[54] **SYSTEME ET PROCEDES DE STOCKAGE**

[72] LINDBO, LARS SVERKER TURE, GB

[72] CLARKE, PAUL, GB

[72] INGRAM-TEDD, ANDREW JOHN, GB

[72] KAROLINCZAK, PAWEL, GB

[73] OCADO INNOVATION LIMITED, GB

[85] 2017-08-29

[86] 2016-04-15 (PCT/EP2016/058467)

[87] (WO2016/166354)

[30] GB (1506365.4) 2015-04-15

[30] GB (1514428.0) 2015-08-13

[30] GB (1518089.6) 2015-10-13

[30] GB (1518091.2) 2015-10-13

[30] GB (1518094.6) 2015-10-13

[30] GB (1518111.8) 2015-10-13

[30] GB (1518115.9) 2015-10-13

[30] GB (1518117.5) 2015-10-13

[30] GB (1602332.7) 2016-02-09

[30] GB (1603328.4) 2016-02-25

[11] **2,978,330**
[13] C

[51] **Int.Cl. A61K 47/56 (2017.01)**

[25] EN

[54] **CONJUGATES OF AN IL-7 MOIETY AND A POLYMER**

[54] **CONJUGUES D'UNE FRACTION D'IL-7 ET D'UN POLYMERE**

[72] CHARYCH, DEBORAH H., US

[72] ZHANG, PING, US

[72] KIRK, PETER BENECICT, US

[73] NEKTAR THERAPEUTICS, US

[85] 2017-08-30

[86] 2016-03-11 (PCT/US2016/022146)

[87] (WO2016/145388)

[30] US (62/131,634) 2015-03-11

[11] **2,978,750**
[13] C

[51] **Int.Cl. A22C 29/02 (2006.01) A22C 29/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR REMOVING MEAT FROM CRUSTACEAN LEGS**

[54] **METHODE ET APPAREIL DE RETRAIT DE LA CHAIR DES PATTES DE CRUSTACES**

[72] FOGARTY, TIM, CA

[73] FOGARTY, TIM, CA

[86] (2978750)

[87] (2978750)

[22] 2017-09-07

[30] US (62/384307) 2016-09-07

[11] **2,978,774**
[13] C

[51] **Int.Cl. F21K 9/00 (2016.01) F21V 29/70 (2015.01) H05B 45/10 (2020.01) H05B 47/11 (2020.01) H05B 47/19 (2020.01) F21S 9/02 (2006.01) F21V 15/01 (2006.01) F21V 21/02 (2006.01) F21V 23/00 (2015.01)**

[25] EN

[54] **SOLID STATE LIGHT FIXTURES WITH INTEGRATED CONTROLS**

[54] **LUMINAIRES A SEMI-CONDUCTEURS AVEC COMMANDES INTEGRES**

[72] CLARK, ADAM JOSEPH, US

[72] ROMANO, PERRY, US

[73] HLI SOLUTIONS, INC., US

[85] 2017-09-05

[86] 2016-04-29 (PCT/US2016/030239)

[87] (WO2016/176635)

[30] US (62/155,264) 2015-04-30

[30] US (62/155,166) 2015-04-30

[30] US (62/155,293) 2015-04-30

[30] US (62/156,251) 2015-05-02

[11] **2,979,166**
[13] C

[51] **Int.Cl. A23L 27/00 (2016.01)**

[25] EN

[54] **SWEETENER COMPOSITION AND FOOD CONTAINING SAME**

[54] **COMPOSITION D'EDULCORANT ET ALIMENT LA CONTENANT**

[72] MORITA, TOYOSHIGE, JP

[72] TAKADA, AKIRA, JP

[73] MORITA KAGAKU KOGYO CO., LTD., JP

[85] 2017-09-08

[86] 2016-03-11 (PCT/JP2016/001394)

[87] (WO2016/143361)

[30] JP (2015-048868) 2015-03-11

**Canadian Patents Issued
January 9, 2024**

[11] **2,979,784**
[13] C

[51] **Int.Cl. A61K 31/554 (2006.01) A61K 9/72 (2006.01) A61K 31/137 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **ANTIVIRAL COMPOSITIONS FOR TREATING THE FLU**
[54] **COMPOSITIONS ANTIVIRALES POUR LE TRAITEMENT DE LA GRIPPE**
[72] ROSA-CALATRAVA, MANUEL, FR
[72] TERRIER, OLIVIER, FR
[72] TEXTORIS, JULIEN, FR
[72] BOIVIN, GUY, CA
[72] PIZZORNO, MARIO, CA
[73] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[73] HOSPICES CIVILS DE LYON, FR
[73] UNIVERSITE LAVAL, CA
[85] 2017-09-14
[86] 2016-03-18 (PCT/EP2016/056036)
[87] (WO2016/146836)
[30] FR (1552284) 2015-03-19

[11] **2,980,086**
[13] C

[51] **Int.Cl. B62K 25/12 (2006.01) B62K 25/20 (2006.01) B62K 25/28 (2006.01) B62K 25/30 (2006.01)**
[25] EN
[54] **REAR SUSPENSION SYSTEM FOR BICYCLES**
[54] **SUSPENSION ARRIERE POUR BICYCLETTES**
[72] BUCKLEY, NOEL, CA
[73] KNOLLY BIKES INC., CA
[86] (2980086)
[87] (2980086)
[22] 2003-12-11
[62] 2,453,046

[11] **2,980,501**
[13] C

[51] **Int.Cl. A63F 13/52 (2014.01) A63F 13/35 (2014.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PRESENTING GAME-RELATED INFORMATION**
[54] **PROCEDE ET SYSTEME DE PRESENTATION D'INFORMATIONS RELATIVES A UN JEU**
[72] BOKOWSKI, CHAD, US
[72] SUTTER, DAVID, US
[72] SPITZER, COREY, US
[72] WHITTEN, GORDON, US
[73] SCOREVISION, LLC, US
[85] 2017-09-20
[86] 2016-03-21 (PCT/US2016/023453)
[87] (WO2016/154134)
[30] US (62/136,269) 2015-03-20
[30] US (15/076,133) 2016-03-21

[11] **2,981,380**
[13] C

[51] **Int.Cl. G06F 15/00 (2006.01)**
[25] EN
[54] **AUTOMATIC DIGITAL PERSONAL ASSISTANT INTERJECTION FOR DELAYING DATA EXCHANGE OUTCOMES**
[54] **INTERRUPTION D'ASSISTANT NUMERIQUE PERSONNEL AUTOMATIQUE POUR RETARDER DES RESULTATS D'ECHANGES DE DONNEES**
[72] TSERETOPOULOS, DEAN C. N., CA
[72] MCCARTER, ROBERT ALEXANDER, CA
[72] WALIA, SARABJIT SINGH, CA
[72] LALKA, VIPUL KISHORE, CA
[72] MORETTI, NADIA, CA
[72] DICKIE, PAIGE ELYSE, CA
[72] KURUVILLA, DENNY DEVASIA, CA
[72] DUNJIC, MILOS, CA
[72] D'AGOSTINO, DINO PAUL, CA
[72] JAGGA, ARUN VICTOR, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JETHWA, RAKESH THOMAS, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2981380)
[87] (2981380)
[22] 2017-10-03

[11] **2,981,393**
[13] C

[51] **Int.Cl. B01D 29/11 (2006.01)**
[25] EN
[54] **CONNECTOR AND JOINED PLEATED FILTER SECTIONS**
[54] **CONNECTEUR ET SECTIONS DE FILTRE PLISSEES JOINTES**
[72] CANFIELD, JEFF ALLEN, US
[73] PARKER-HANNIFIN CORPORATION, US
[86] (2981393)
[87] (2981393)
[22] 2017-10-04
[30] US (15/289,802) 2016-10-10

[11] **2,981,628**
[13] C

[51] **Int.Cl. C08L 53/02 (2006.01) C04B 26/04 (2006.01) C08L 91/00 (2006.01) C10M 101/02 (2006.01) C10M 143/12 (2006.01) C10M 169/04 (2006.01)**
[25] FR
[54] **CLEAR BINDER AND APPLICATIONS OF SAME**
[54] **LIANT CLAIR ET SES APPLICATIONS**
[72] BARJON, DANIELE, FR
[72] GAMET, OLIVIER, FR
[72] MOUAZEN, MOUHAMAD, FR
[73] TOTAL MARKETING SERVICES, FR
[85] 2017-10-03
[86] 2016-04-13 (PCT/EP2016/058108)
[87] (WO2016/166152)
[30] FR (1553197) 2015-04-13

[11] **2,981,946**
[13] C

[51] **Int.Cl. G09B 21/00 (2006.01)**
[25] EN
[54] **COMMUNICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMMUNICATION**
[72] BRAZAS, MEGAN, US
[72] BRAZAS, BRUCE, US
[73] BRAZAS, MEGAN, US
[73] BRAZAS, BRUCE, US
[85] 2017-10-05
[86] 2016-03-21 (PCT/US2016/023347)
[87] (WO2016/164159)
[30] US (62/143,881) 2015-04-07

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,982,221**
[13] C

[51] **Int.Cl. A61L 26/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR COVERING
AND PROTECTING SCARS**
[54] **COMPOSITION POUR
RECOUVRIRE ET PROTEGER DES
CICATRICES**
[72] SCHMID, JUERG, CH
[72] SUPERSAXO, ANDREAS, CH
[73] SINIQ GMBH, CH
[85] 2017-10-10
[86] 2016-04-14 (PCT/EP2016/058237)
[87] (WO2016/166220)
[30] EP (15163827.7) 2015-04-16

[11] **2,982,617**
[13] C

[51] **Int.Cl. C22B 60/02 (2006.01) B01D
15/04 (2006.01) C02F 1/42 (2006.01)
C22B 3/12 (2006.01) G21F 9/04
(2006.01)**
[25] EN
[54] **SELECTIVE SEPARATION OF
ELEMENTS OR COMMODITIES
OF INTEREST IN AQUEOUS
STREAMS**
[54] **SEPARATION SELECTIVE
D'ELEMENTS OU DE PRODUITS
D'INTERET DANS DES FLUX
AQUEUX**
[72] DOUGLAS, GRANT BRIAN, AU
[73] COMMONWEALTH SCIENTIFIC
AND INDUSTRIAL RESEARCH
ORGANISATION, AU
[85] 2017-10-13
[86] 2016-04-15 (PCT/AU2016/050282)
[87] (WO2016/164986)
[30] AU (2015901349) 2015-04-15

[11] **2,984,045**
[13] C

[51] **Int.Cl. G01N 33/58 (2006.01) B01L
9/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **MICROFLUIDIC DROPLET
DETECTION AND SORTING**
[54] **TRI ET DETECTION DE
GOUTTELETTES
MICROFLUIDIQUES**
[72] MERTEN, CHRISTOPH A., DE
[72] HU, HONGXING, DE
[72] EUSTACE, DAVID, DE
[73] EUROPEAN MOLECULAR
BIOLOGY LABORATORY, DE
[85] 2017-10-26
[86] 2016-04-29 (PCT/EP2016/059658)
[87] (WO2016/174229)
[30] EP (15165915.8) 2015-04-30

[11] **2,984,277**
[13] C

[51] **Int.Cl. B65H 35/07 (2006.01) B65D
83/00 (2006.01) B65D 85/67 (2006.01)
B65H 23/08 (2006.01)**
[25] EN
[54] **BRAKE ASSEMBLY FOR A TAPE
DISPENSER**
[54] **MECANISME DE FREIN DESTINE
A UN DISTRIBUTEUR DE RUBAN**
[72] MURPHY, JOHN G., BB
[73] KITARU INNOVATIONS INC., BB
[86] (2984277)
[87] (2984277)
[22] 2017-11-01
[30] US (15/340,268) 2016-11-01

[11] **2,984,471**
[13] C

[51] **Int.Cl. A61B 5/20 (2006.01) A61B
5/053 (2021.01)**
[25] EN
[54] **NON-INVASIVE DETECTION OF
THE BACKFLOW OF URINE**
[54] **DETECTION NON INVASIVE DE
REFLUX D'URINE**
[72] LOUGHNEY, SARAH, IE
[72] BRUZZI, MARK, IE
[72] O'HALLORAN, MARTIN, IE
[72] PURI, PREM, IE
[72] ELEUTERIO, RICARDO, PT
[73] NATIONAL UNIVERSITY OF
IRELAND, GALWAY, IE
[85] 2017-10-30
[86] 2016-05-06 (PCT/EP2016/060234)
[87] (WO2016/177901)
[30] US (62/157,752) 2015-05-06

[11] **2,984,516**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q
1/6827 (2018.01) C12Q 1/6858
(2018.01) C12Q 1/6876 (2018.01)**
[25] EN
[54] **METHOD, SEQUENCES,
COMPOSITIONS AND KIT FOR
DETECTION OF CHANGES IN
THE PROMOTER OF THE GENE
HTERT**
[54] **METHODE, SEQUENCES,
COMPOSITIONS ET TROUSSE
POUR LA DETECTION DE
MUTATIONS DANS LE
PROMOTEUR DU GENE HTERT**
[72] SOARES DIAS FERREIRA, ANA
PAULA, PT
[72] MARQUES PRAZERES, HUGO
JOAO, PT
[72] ALVES SALGADO, CATARINA
MIGUEL, PT
[72] MONTEIRO BATISTA, RUI PEDRO,
PT
[72] RICO DE OLIVEIRA VINAGRE,
JOAO PEDRO, PT
[73] IPATIMUP (INSTITUTO DE
PATOLOGIA E IMUNOLOGIA
MOLECULAR DA UNIVERSIDADE
DO PORTO), PT
[85] 2017-10-27
[86] 2016-05-02 (PCT/PT2016/050007)
[87] (WO2016/175672)
[30] PT (108419) 2015-04-30

**Canadian Patents Issued
January 9, 2024**

[11] **2,984,618**
[13] C

[51] **Int.Cl. C07D 413/12 (2006.01) A61K 31/4245 (2006.01) A61K 31/4375 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61K 31/55 (2006.01) A61P 25/14 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **HISTONE DEACETYLASE INHIBITORS AND COMPOSITIONS AND METHODS OF USE THEREOF**

[54] **INHIBITEURS D'HISTONE DESACETYLASE, COMPOSITIONS ET METHODES D'UTILISATION CORRESPONDANTES**

[72] DOMINGUEZ, CELIA, US

[72] MAILLARD, MICHEL C., US

[72] HAUGHAN, ALAN F., US

[72] VAN DE POEL, AMANDA, US

[72] STOTT, ANDREW J., US

[72] LUCKHURST, CHRISTOPHER A., US

[72] SAVILLE-STONES, ELIZABETH A., US

[72] WISHART, GRANT, US

[72] WALL, MICHAEL, US

[72] BRECCIA, PERLA, US

[72] JARVIS, REBECCA E., US

[73] CHDI FOUNDATION, INC., US

[85] 2017-10-31

[86] 2016-05-06 (PCT/US2016/031335)

[87] (WO2016/179554)

[30] US (62/158,363) 2015-05-07

[11] **2,984,657**
[13] C

[51] **Int.Cl. G06Q 10/0631 (2023.01) G06Q 10/0633 (2023.01) G06F 9/50 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ENSURING QUALITY OF SERVICE IN A COMPUTE WORKFLOW**

[54] **SYSTEME ET METHODE PERMETTANT D'ASSURER LA QUALITE DE SERVICE DANS UN FLUX DE TRAVAIL CALCULE**

[72] SANJABI, SAM, CA

[72] CHEN, CHONG, CA

[72] POURNAGHI, REZA, CA

[72] BERGSMA, SHANE ANTHONY, CA

[72] PEI, WEI, CA

[73] HUAWEI CLOUD COMPUTING TECHNOLOGIES CO., LTD., CN

[85] 2017-11-03

[86] 2017-08-07 (PCT/CN2017/096235)

[87] (WO2018/090676)

[30] US (15/607,721) 2017-05-30

[30] US (62/423,894) 2016-11-18

[11] **2,985,971**
[13] C

[51] **Int.Cl. B65D 85/804 (2006.01) A47J 31/24 (2006.01) A47J 31/34 (2006.01)**

[25] EN

[54] **A CAPSULE, A SYSTEM FOR PREPARING A POTABLE BEVERAGE FROM SUCH A CAPSULE AND USE OF SUCH A CAPSULE IN A BEVERAGE PREPARATION DEVICE**

[54] **CAPSULE, SYSTEME DE PREPARATION D'UNE BOISSON POTABLE A PARTIR D'UNE TELLE CAPSULE ET UTILISATION D'UNE TELLE CAPSULE DANS UN DISPOSITIF DE PREPARATION DE BOISSON**

[72] DIJKSTRA, HIELKE, NL

[72] GROOTHORNT, AREND HENDRIK, NL

[72] VAN GAASBEEK, ERIK PIETER, NL

[72] OTTENSCHOT, MARC HENRIKUS JOSEPH, NL

[72] KAMERBEEK, RALF, NL

[72] EIJSACKERS, ARMIN SJOERD, NL

[72] FLAMAND, JOHN HENRI, NL

[73] KONINKLIJKE DOUWE EGBERTS B.V., NL

[85] 2017-11-14

[86] 2016-05-13 (PCT/NL2016/050344)

[87] (WO2016/186491)

[30] NL (PCT/NL2015/050354) 2015-05-15

[11] **2,986,455**
[13] C

[51] **Int.Cl. H04N 5/64 (2006.01) G09G 5/10 (2006.01)**

[25] EN

[54] **LIGHT SOURCE CONTROL FOR DISPLAYING VIDEO**

[54] **COMMANDE DE SOURCE DE LUMIERE POUR AFFICHER UN CONTENU VIDEO**

[72] SHINTANI, PETER, US

[73] SONY CORPORATION, JP

[85] 2017-11-17

[86] 2016-09-01 (PCT/US2016/049891)

[87] (WO2017/044374)

[30] US (62/216,811) 2015-09-10

[30] US (14/974,618) 2015-12-18

[11] **2,986,609**
[13] C

[51] **Int.Cl. C07D 413/12 (2006.01) A61K 31/538 (2006.01) A61P 1/16 (2006.01) A61P 1/18 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01)**

[25] EN

[54] **3-(6-CHLORO-3-OXO-3,4-DIHYDRO-(2H)-1,4-BENZOXAZIN-4-YL) PROPANOIC ACID DERIVATIVES AND THEIR USE AS KMO INHIBITORS**

[54] **DERIVES D'ACIDE 3-(6-CHLORO-3-OXO-3,4-DIHYDRO-(2H)-1,4-BENZOXAZIN-4-YL)PROPANOIQUE ET LEUR UTILISATION A TITRE D'INHIBITEURS DE KMO**

[72] BOUILLOT, ANNE MARIE JEANNE, FR

[72] DENIS, ALEXIS, FR

[72] LIDDLE, JOHN, GB

[72] MIRGUET, OLIVIER, FR

[72] WALKER, ANN LOUISE, GB

[73] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB

[85] 2017-11-21

[86] 2016-05-19 (PCT/EP2016/061173)

[87] (WO2016/188827)

[30] GB (1508864.4) 2015-05-22

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,986,897**
[13] C

[51] **Int.Cl. C01B 32/192 (2017.01) C01B 32/182 (2017.01) C01B 32/184 (2017.01)**

[25] EN

[54] **DISPERSIONS OF HOLEY GRAPHENE MATERIALS AND APPLICATIONS THEREOF**

[54] **DISPERSIONS DE MATERIAUX DE GRAPHENE TROUE ET LEURS APPLICATIONS**

[72] DUAN, XIANGFENG, US

[72] XU, YUXI, US

[72] HUANG, YU, US

[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2017-11-22

[86] 2016-05-26 (PCT/US2016/034352)

[87] (WO2016/191564)

[30] US (62/166,621) 2015-05-26

[30] US (62/171,737) 2015-06-05

[11] **2,987,217**
[13] C

[51] **Int.Cl. A61J 7/04 (2006.01) B65D 83/04 (2006.01)**

[25] EN

[54] **MODULAR MEDICATION DISPENSING SYSTEM**

[54] **SYSTEME MODULAIRE DE DISTRIBUTION DE MEDICAMENTS**

[72] POIRIER, MICHEL, CA

[72] BOUCHARD, PAUL-ANDRE, CA

[73] POIRIER, MICHEL, CA

[73] BOUCHARD, PAUL-ANDRE, CA

[85] 2017-11-24

[86] 2016-05-26 (PCT/IB2016/053104)

[87] (WO2016/189497)

[30] US (62/166,231) 2015-05-26

[11] **2,987,514**
[13] C

[51] **Int.Cl. A61K 6/887 (2020.01) A61K 6/30 (2020.01)**

[25] EN

[54] **DENTAL ADHESIVE**

[54] **ADHESIF DENTAIRE**

[72] FIK, CHRISTOPH P., CH

[72] POHLE, SVEN, DE

[72] LIU, HUAIBING, US

[72] KLEE, JOACHIM, DE

[73] DENTSPLY DETREY GMBH, DE

[85] 2017-11-28

[86] 2016-07-27 (PCT/EP2016/067950)

[87] (WO2017/017156)

[30] EP (15178515.1) 2015-07-27

[11] **2,988,068**
[13] C

[51] **Int.Cl. A61K 33/10 (2006.01) A61K 9/08 (2006.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 9/72 (2006.01) A61K 31/66 (2006.01) A61K 33/42 (2006.01)**

[25] EN

[54] **COMPOSITIONS OF AMORPHOUS CALCIUM CARBONATE FOR INHALATION, SUBLINGUAL OR BUCCAL ADMINISTRATION**

[54] **COMPOSITIONS DE CARBONATE DE CALCIUM AMORPHE POUR INHALATION, ADMINISTRATION PAR VOIE SUBLINGUALE OU BUCCALE**

[72] BEN, YOSEF, IL

[72] BLUM, YIGAL DOV, US

[73] AMORPHICAL LTD., IL

[85] 2017-12-01

[86] 2016-06-02 (PCT/IL2016/050573)

[87] (WO2016/193983)

[30] US (62/170,712) 2015-06-04

[11] **2,990,866**
[13] C

[51] **Int.Cl. B01J 8/44 (2006.01) B01J 8/00 (2006.01) B01J 19/30 (2006.01) B01J 19/32 (2006.01)**

[25] EN

[54] **A FLUID SOLIDS CONTACTING DEVICE**

[54] **DISPOSITIF DE MISE EN CONTACT DE MATIERES SOLIDES AVEC UN FLUIDE**

[72] PRETZ, MATTHEW T., US

[72] SANDOVAL, FERMIN A., US

[72] SHAW, DON F., US

[73] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2017-12-22

[86] 2016-06-26 (PCT/US2016/039461)

[87] (WO2017/003884)

[30] US (14/755,008) 2015-06-30

[11] **2,991,440**
[13] C

[51] **Int.Cl. A61M 25/02 (2006.01) A61M 39/10 (2006.01) A61M 39/22 (2006.01)**

[25] EN

[54] **CATHETER CONNECTION AND STABILIZATION DEVICE AND METHODS OF USING SAME**

[54] **DISPOSITIF DE RACCORDEMENT ET STABILISATION D'UN CATHETER ET SES PROCEDES D'UTILISATION**

[72] MASEDA, LUIS, US

[72] CHELAK, TODD, US

[72] DENNIS, NICHOLAS, US

[72] KIMBALL, IAN, US

[73] NP MEDICAL INC., US

[85] 2018-01-04

[86] 2016-07-14 (PCT/US2016/042232)

[87] (WO2017/015047)

[30] US (14/802,270) 2015-07-17

[11] **2,991,683**
[13] C

[51] **Int.Cl. B05B 12/16 (2018.01) B25J 1/02 (2006.01) B25J 19/04 (2006.01)**

[25] EN

[54] **REMOTELY OPERATED DEVICE**

[54] **DISPOSITIF TELECOMMANDE**

[72] HOLLOWAY, MATHEW, GB

[72] HAMBLIN, CHRISTOPHER, GB

[72] TAYLOR, DANIEL, GB

[73] Q-BOT LIMITED, GB

[85] 2018-01-08

[86] 2016-07-13 (PCT/GB2016/052116)

[87] (WO2017/009642)

[30] GB (1512225.2) 2015-07-13

[30] GB (PCT/GB2015/053175) 2015-10-22

[30] GB (1607338.9) 2016-04-27

**Canadian Patents Issued
January 9, 2024**

[11] **2,992,751**
[13] C

[51] **Int.Cl. H04L 7/033 (2006.01) H04L 25/49 (2006.01)**
[25] EN
[54] **MULTIPHASE CLOCK DATA RECOVERY FOR A 3-PHASE INTERFACE**
[54] **RECUPERATION DE DONNEES D'HORLOGE MULTI-PHASE POUR UNE INTERFACE TRIPHASEE**
[72] DUAN, YING, US
[72] LEE, CHULKYU, US
[72] CHOU, SHIH-WEI, US
[72] DANG, HARRY, US
[72] KWON, OHJOON, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-01-16
[86] 2016-08-09 (PCT/US2016/046211)
[87] (WO2017/039985)
[30] US (14/842,644) 2015-09-01

[11] **2,992,953**
[13] C

[51] **Int.Cl. A01D 57/00 (2006.01) B65G 65/06 (2006.01)**
[25] EN
[54] **AGRICULTURAL MACHINE FOR HARVESTING A CROP, COMPRISING A HARVESTING HEAD AND A CROP TRANSPORTATION SYSTEM FOR SAID HARVESTING HEAD, AND RELATED TRANSPORTATION SYSTEM**
[54] **MACHINE AGRICOLE POUR LA RECOLTE DE CULTURE, COMPRENANT UNE TETE DE RECOLTE ET UN SYSTEME DE TRANSPORT DE CULTURE POUR LADITE TETE DE RECOLTE, ET SYSTEME DE TRANSPORT ASSOCIE**
[72] BONGIOVANNI, LIVIO, IT
[72] ARMANDO, LODOVICO, IT
[73] CAPELLO S.R.L., IT
[85] 2018-01-18
[86] 2016-08-03 (PCT/IB2016/054684)
[87] (WO2017/021907)
[30] IT (102015000042950) 2015-08-06

[11] **2,993,513**
[13] C

[51] **Int.Cl. A01N 63/22 (2020.01) A01M 1/20 (2006.01) A01N 43/40 (2006.01) A01N 47/40 (2006.01) A01N 51/00 (2006.01)**
[25] EN
[54] **PEST CONTROL COMPOSITION AND PEST CONTROL METHOD**
[54] **COMPOSITION ET PROCEDE ANTIPARASITAIRES**
[72] HIRAO, AYAKO, JP
[72] SHIMOKAWATOKO, YASUTAKA, JP
[73] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2018-01-24
[86] 2016-07-27 (PCT/JP2016/072072)
[87] (WO2017/018463)
[30] JP (2015-147692) 2015-07-27
[30] JP (2015-250240) 2015-12-22

[11] **2,993,821**
[13] C

[51] **Int.Cl. A47J 31/46 (2006.01) A47J 31/06 (2006.01) A47J 31/54 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MAKING TEA LATTE**
[54] **APPAREIL ET PROCEDE POUR FABRIQUER DU THE LATTE**
[72] CHAWLA, GAURAV, US
[72] LEANSE, MATT, US
[72] RELAN, PETER A, US
[73] CAMELLIA LABS INC, US
[85] 2018-01-25
[86] 2016-07-27 (PCT/US2016/044342)
[87] (WO2017/019812)
[30] US (62/198,064) 2015-07-28

[11] **2,994,366**
[13] C

[51] **Int.Cl. A61B 5/20 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **POINT OF CARE URINE ANALYZER**
[54] **DISPOSITIF D'ANALYSE D'URINE IN SITU**
[72] ELIA, LIRON, IL
[72] IDAN, GAVRIEL J., IL
[73] ART HEALTHCARE LTD., IL
[85] 2018-01-31
[86] 2016-08-04 (PCT/IL2016/050855)
[87] (WO2017/021971)
[30] US (62/201,118) 2015-08-05

[11] **2,994,573**
[13] C

[51] **Int.Cl. G06Q 20/24 (2012.01)**
[25] EN
[54] **ELECTRONIC CERTIFICATE PAYMENT INFORMATION TRANSMISSION METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSMISSION D'INFORMATIONS DE PAIEMENT PAR CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-02-02
[86] 2015-07-21 (PCT/CN2015/084633)
[87] (WO2017/012043)

[11] **2,994,913**
[13] C

[51] **Int.Cl. F25B 6/04 (2006.01) F25B 40/02 (2006.01) F25B 40/04 (2006.01)**
[25] EN
[54] **PORTABLE AIR CONDITIONER**
[54] **CLIMATISEUR PORTATIF**
[72] DE' LONGHI, GIUSEPPE, IT
[72] CALLEGARO, IVANO, IT
[72] VIT, STEFANO, IT
[73] DE' LONGHI APPLIANCES S.R.L. CON UNICO SOCIO, IT
[85] 2018-02-06
[86] 2016-08-05 (PCT/IB2016/054740)
[87] (WO2017/025877)
[30] IT (102015000043339) 2015-08-07

[11] **2,994,967**
[13] C

[51] **Int.Cl. F16C 17/03 (2006.01) F16C 33/10 (2006.01)**
[25] EN
[54] **ADJUSTABLE OFFSET PIVOT JOURNAL PAD**
[54] **PATIN DE TOURILLON A PIVOTEMENT DECALE REGLABLE**
[72] ROCKEFELLER, DONALD HUGH, US
[72] HART, JOSEPH, US
[73] LUFKIN GEARS LLC, US
[85] 2018-02-06
[86] 2016-08-10 (PCT/US2016/046241)
[87] (WO2017/027537)
[30] US (14/822,988) 2015-08-11

**Brevets canadiens délivrés
9 janvier 2024**

[11] **2,995,314**
[13] C

[51] **Int.Cl. C07C 67/08 (2006.01) A61K 31/23 (2006.01) C07C 69/24 (2006.01) C07C 69/533 (2006.01) C11C 3/08 (2006.01)**

[25] EN

[54] **CETYLATED FATTY ACIDS, SYSTEM FOR THE PREPARATION THEREOF AND USE THEREOF**

[54] **ACIDES GRAS CETYLES, SYSTEME UTILISE POUR LEUR PREPARATION ET UTILISATION DESDITS ACIDES GRAS CETYLES**

[72] LACORTE, ANDREA, IT
[72] TARANTINO, GERMANO, IT
[72] BONDIOLI, PAOLO, IT
[73] PHARMANUTRA S.P.A., IT
[85] 2018-02-09
[86] 2016-08-09 (PCT/IB2016/054788)
[87] (WO2017/029580)
[30] IT (102015000044822) 2015-08-14

[11] **2,996,003**
[13] C

[51] **Int.Cl. B65G 65/42 (2006.01) B65G 17/00 (2006.01) B65G 65/30 (2006.01) B65G 65/34 (2006.01) B65G 65/40 (2006.01) E21B 27/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DELIVERING PROPPANT TO A BLENDER**

[54] **SYSTEME ET PROCEDE POUR ADMINISTRER UN AGENT DE SOUTENEMENT A UN MELANGEUR**

[72] GLYNN, PETER, US
[72] OREN, JOSHUA, US
[73] OREN TECHNOLOGIES, LLC, US
[85] 2018-02-16
[86] 2016-09-09 (PCT/US2016/050859)
[87] (WO2017/044680)
[30] US (62/217,117) 2015-09-11
[30] US (14/854,622) 2015-09-15
[30] US (15/260,371) 2016-09-09

[11] **2,996,785**
[13] C

[51] **Int.Cl. E21B 29/00 (2006.01)**

[25] EN

[54] **DOWNHOLE CUT AND PULL TOOL AND METHOD OF USE**

[54] **OUTIL DE COUPE ET REMONTEE DE FOND DE TROU ET SON PROCEDE D'UTILISATION**

[72] WARDLEY, MICHAEL, GB
[72] FAIRWEATHER, ALAN, GB
[72] TELFER, GEORGE, GB
[73] ARDYNE HOLDINGS LIMITED, GB
[85] 2018-02-27
[86] 2016-09-16 (PCT/GB2016/052908)
[87] (WO2017/046613)
[30] GB (1516452.8) 2015-09-16

[11] **2,996,805**
[13] C

[51] **Int.Cl. A61L 9/12 (2006.01) A61L 9/14 (2006.01)**

[25] EN

[54] **VAPOR GENERATION AND DISTRIBUTION DEVICES, SYSTEMS, AND METHODS**

[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE GENERATION ET DE DISTRIBUTION DE VAPEUR**

[72] BYERS, MARC L., US
[73] BYERS, MARC L., US
[85] 2018-02-27
[86] 2016-08-29 (PCT/US2016/049217)
[87] (WO2017/035523)
[30] US (62/210,466) 2015-08-27
[30] US (62/334,252) 2016-05-10
[30] US (62/377,735) 2016-08-22

[11] **2,997,487**
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01) A61L 9/00 (2006.01) B01D 53/18 (2006.01)**

[25] EN

[54] **METHODS AND EQUIPMENT FOR TREATING INDUSTRIAL GAS STREAMS AND BIOLOGICAL FOULING**

[54] **METHODES ET EQUIPEMENT DESTINES AU TRAITEMENT DES FLUX DE GAZ INDUSTRIELS ET DE L'ENCRASSEMENT BIOLOGIQUE**

[72] TEMPLE, STEPHEN R., US
[73] STEEN RESEARCH, LLC, US
[86] (2997487)
[87] (2997487)
[22] 2018-03-06
[30] US (15/454,751) 2017-03-09

[11] **2,998,045**
[13] C

[51] **Int.Cl. G05F 1/10 (2006.01) H02M 1/00 (2007.10)**

[25] EN

[54] **SYSTEMS, METHODS, AND DEVICES FOR REMOTE SENSE WITHOUT WIRES**

[54] **SYSTEMES, METHODES ET DISPOSITIFS DE TELEDETECTION SANS FIL**

[72] HOFFMAN, DAVID, US
[73] VERSATILE POWER, INC., US
[86] (2998045)
[87] (2998045)
[22] 2018-03-13
[30] US (15/469069) 2017-03-24

[11] **2,998,197**
[13] C

[51] **Int.Cl. A61F 5/01 (2006.01)**

[25] EN

[54] **HINGE FOR A BRACE**

[54] **CHARNIERE POUR APPAREIL ORTHODONTIQUE**

[72] GARRISH, ROBERT, CA
[73] SPRING LOADED TECHNOLOGY INCORPORATED, CA
[85] 2018-03-09
[86] 2016-09-08 (PCT/CA2016/000227)
[87] (WO2017/041165)
[30] US (14/851,191) 2015-09-11

[11] **2,998,667**
[13] C

[51] **Int.Cl. G01N 33/543 (2006.01) B82Y 30/00 (2011.01) G01N 21/64 (2006.01)**

[25] EN

[54] **SUBSTRATE FOR THE ENHANCEMENT OF FLUORESCENCE**

[54] **SUBSTRAT ACCENTUANT LA FLUORESCENCE**

[72] MAURACHER, CHRISTOPH, AT
[72] BAUER, GEORG, AT
[72] PRINZ, ADRIAN, DE
[72] AICHINGER, GOTTFRIED, AT
[72] HAWA, GERHARD, AT
[73] FIANOSTICS GMBH, AT
[73] STRATEC CONSUMABLES GMBH, AT
[85] 2018-03-14
[86] 2016-09-16 (PCT/EP2016/071953)
[87] (WO2017/046320)
[30] AT (A 50793/2015) 2015-09-16

**Canadian Patents Issued
January 9, 2024**

[11] **2,998,874**
[13] C

[51] **Int.Cl. C10G 1/06 (2006.01)**
[25] EN
[54] **PROCESS OF PRODUCING LIQUID FUELS FROM COAL USING BIOMASS-DERIVED SOLVENTS**
[54] **PROCEDE DE PRODUCTION DE CARBURANTS LIQUIDES A PARTIR DU CHARBON AU MOYEN DE SOLVANTS DERIVES DE LA BIOMASSE**
[72] CHAUHAN, SATYA P., US
[72] GARBARK, DANIEL B., US
[72] BENECKE, HERMAN P., US
[72] CONKLE, NICHOLAS H., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[85] 2018-03-15
[86] 2016-09-19 (PCT/US2016/052441)
[87] (WO2017/049271)
[30] US (62/220,729) 2015-09-18
[30] US (62/220,761) 2015-09-18
[30] US (62/220,681) 2015-09-18
[30] US (62/380,731) 2016-08-29

[11] **2,998,880**
[13] C

[51] **Int.Cl. G01B 11/28 (2006.01) F01D 5/00 (2006.01) F01D 21/00 (2006.01) G01B 11/14 (2006.01) G01B 11/22 (2006.01) G01B 11/24 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR MEASURING FEATURES ON OR NEAR AN OBJECT**
[54] **PROCEDE ET DISPOSITIF DE MESURE D'ELEMENTS SUR OU A PROXIMITE D'UN OBJET**
[72] BENDALL, CLARK ALEXANDER, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2018-03-15
[86] 2016-09-22 (PCT/US2016/053000)
[87] (WO2017/053505)
[30] US (62/232,866) 2015-09-25
[30] US (15/018,628) 2016-02-08

[11] **2,999,896**
[13] C

[51] **Int.Cl. H02J 50/10 (2016.01) H01H 9/04 (2006.01)**
[25] EN
[54] **POWER AND DATA TRANSMISSION BETWEEN EXPLOSION PROOF DEVICES AND INTRINSICALLY SAFE DEVICES**
[54] **TRANSMISSION D'ENERGIE ET DE DONNEES ENTRE DISPOSITIFS ANTIDÉFLAGRANTS ET DISPOSITIFS A SECURITE INTRINSEQUE**
[72] FREER, BENJAMIN AVERY, US
[72] IANNCE, STEPHAN P., US
[72] MANAHAN, JOSEPH MICHAEL, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2018-03-23
[86] 2016-09-28 (PCT/US2016/054225)
[87] (WO2017/058946)
[30] US (62/233,801) 2015-09-28
[30] US (62/233,873) 2015-09-28

[11] **2,999,956**
[13] C

[51] **Int.Cl. C12P 21/02 (2006.01) B01D 15/04 (2006.01) C01G 21/00 (2006.01) C02F 1/28 (2006.01) C02F 1/62 (2006.01) C02F 3/34 (2006.01) C12N 1/21 (2006.01) C12N 15/31 (2006.01)**
[25] EN
[54] **PROCESS AND DEVICE FOR REMOVING LEAD FROM A LIQUID**
[54] **PROCEDE ET DISPOSITIF D'ELIMINATION DU PLOMB CONTENU DANS UN LIQUIDE**
[72] KONDIAH, KULSUM, ZA
[72] FRANKLYN, PAUL JOHN, ZA
[72] KESHAV, VIDYA, ZA
[73] UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG, ZA
[85] 2018-03-26
[86] 2016-09-23 (PCT/IB2016/055701)
[87] (WO2017/051370)
[30] ZA (2015/02096) 2015-09-26

[11] **3,000,001**
[13] C

[51] **Int.Cl. H04L 12/00 (2006.01) H04L 43/065 (2022.01) H04L 43/0805 (2022.01) H04L 43/0817 (2022.01) H04L 12/40 (2006.01)**
[25] EN
[54] **MONITORING OF FIELD DEVICES VIA A COMMUNICATION NETWORK**
[54] **SURVEILLANCE DE DISPOSITIFS DE TERRAIN PAR L'INTERMEDIAIRE D'UN RESEAU DE COMMUNICATION**
[72] CINCEA, CORNELIU, RO
[72] TOPORAN, BOGDAN IONUT, RO
[73] BRISTOL, INC., D/B/A REMOTE AUTOMATION SOLUTIONS, US
[85] 2018-03-23
[86] 2016-09-29 (PCT/US2016/054403)
[87] (WO2017/059047)
[30] RO (A 2015 00705) 2015-09-29
[30] US (15/064,456) 2016-03-08

[11] **3,000,292**
[13] C

[51] **Int.Cl. G01N 33/574 (2006.01)**
[25] EN
[54] **GDF-15 AS A DIAGNOSTIC MARKER FOR MELANOMA**
[54] **FACTEUR GDF-15 UTILISE EN TANT QUE MARQUEUR DIAGNOSTIQUE DU MELANOME**
[72] WISCHHUSEN, JORG, DE
[72] SCHAFFER, TINA, DE
[72] WEIDE, BENJAMIN, DE
[73] JULIUS-MAXIMILIANS-UNIVERSITAT WURZBURG, DE
[85] 2018-03-28
[86] 2016-09-30 (PCT/EP2016/073521)
[87] (WO2017/055614)
[30] GB (1517528.4) 2015-10-02

[11] **3,000,458**
[13] C

[51] **Int.Cl. G02F 1/35 (2006.01) H04B 10/70 (2013.01)**
[25] EN
[54] **TUNABLE SOURCE OF BI-PHOTONS**
[54] **SOURCE ACCORDABLE DE BI-PHOTONS**
[72] EARL, DENNIS DUNCAN, US
[73] QUBITEKK, INC., US
[85] 2018-03-28
[86] 2016-10-05 (PCT/US2016/055562)
[87] (WO2017/062501)
[30] US (62/237,436) 2015-10-05

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,000,477**
[13] C

[51] **Int.Cl. B01D 1/00 (2006.01) B01D 1/02 (2006.01) B01D 1/14 (2006.01) B01D 3/34 (2006.01) F22B 1/28 (2006.01)**

[25] FR

[54] **DEVICE FOR CONVERTING A LIQUID INTO VAPOUR AND ASSOCIATED METHOD FOR REGULATING A HEATING POWER**

[54] **DISPOSITIF DE CONVERSION D'UN LIQUIDE EN VAPEUR ET PROCEDE DE REGULATION D'UNE PUISSANCE DE CHAUFFAGE ASSOCIE**

[72] CHATROUX, ANDRE, FR

[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR

[85] 2018-03-28

[86] 2016-09-28 (PCT/EP2016/073081)

[87] (WO2017/055335)

[30] FR (1559098) 2015-09-28

[11] **3,000,479**
[13] C

[51] **Int.Cl. C08G 18/72 (2006.01) C07C 275/60 (2006.01) C07C 275/62 (2006.01) C08G 18/09 (2006.01) C08G 18/28 (2006.01) C08G 18/36 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 18/62 (2006.01) C08G 18/78 (2006.01) C08G 18/79 (2006.01)**

[25] FR

[54] **BIURET POLYISOCYANATE COMPOSITION**

[54] **COMPOSITION POLYISOCYANATE BIURET**

[72] BERNARD, JEAN-MARIE, FR

[72] OLIER, PHILIPPE, FR

[73] VENCOREX FRANCE, FR

[85] 2018-03-28

[86] 2016-09-30 (PCT/EP2016/073426)

[87] (WO2017/055552)

[30] FR (1559271) 2015-09-30

[11] **3,000,589**
[13] C

[51] **Int.Cl. C07C 51/41 (2006.01) A23L 33/165 (2016.01) A61K 31/295 (2006.01) A61K 33/26 (2006.01)**

[25] EN

[54] **METHODS FOR PRODUCING CARBOXYLATE LIGAND MODIFIED FERRIC IRON HYDROXIDE COLLOIDS AND RELATED COMPOSITIONS AND USES**

[54] **PROCEDES DE PRODUCTION DE COLLOIDES D'HYDROXYDE DE FER FERRIQUE MODIFIES PAR DES LIGANDS CARBOXYLATE, AINSI QUE COMPOSITIONS ET UTILISATIONS CONNEXES**

[72] POWELL, JONATHAN JOSEPH, GB

[72] FARIA, NUNO JORGE RODRIGUES, GB

[73] UNITED KINGDOM RESEARCH AND INNOVATION, GB

[85] 2018-03-29

[86] 2016-10-07 (PCT/EP2016/074022)

[87] (WO2017/060441)

[30] GB (1517893.2) 2015-10-09

[11] **3,000,752**
[13] C

[51] **Int.Cl. H04W 72/40 (2023.01)**

[25] EN

[54] **MULTIPLE SIDELINK CONTROL TRANSMISSIONS DURING A SIDELINK CONTROL PERIOD**

[54] **TRANSMISSIONS DE COMMANDE DE LIAISON LATERALE MULTIPLES DURANT UNE PERIODE DE COMMANDE DE LIAISON LATERALE**

[72] LOEHR, JOACHIM, DE

[72] BASU MALLICK, PRATEEK, DE

[72] WANG, LILEI, CN

[73] SUN PATENT TRUST, US

[85] 2018-04-03

[86] 2015-11-06 (PCT/CN2015/093960)

[87] (WO2017/075798)

[11] **3,000,905**
[13] C

[51] **Int.Cl. G10L 19/008 (2013.01)**

[25] EN

[54] **LAYERED CODING FOR COMPRESSED SOUND OR SOUND FIELD REPRESENTATIONS**

[54] **CODAGE EN COUCHES POUR REPRESENTATIONS COMPRIEMES DE CHAMP SONORE OU DE SON**

[72] KORDON, SVEN, DE

[72] KRUEGER, ALEXANDER, DE

[73] DOLBY INTERNATIONAL AB, IE

[85] 2018-04-04

[86] 2016-10-07 (PCT/EP2016/073969)

[87] (WO2017/060410)

[30] EP (15306589.1) 2015-10-08

[30] EP (15306653.5) 2015-10-15

[30] US (62/361,461) 2016-07-12

[30] US (62/361,416) 2016-07-12

[11] **3,000,912**
[13] C

[51] **Int.Cl. C12N 5/0775 (2010.01) A61K 35/28 (2015.01)**

[25] EN

[54] **STEM CELL THERAPY BASED ON ADIPOSE-DERIVED STEM CELLS**

[54] **THERAPIE A BASE DE CELLULES SOUCHES BASEE SUR DES CELLULES SOUCHES PROVENANT DE TISSUS ADIPEUX**

[72] KASTRUP, JENS, DK

[72] EKBLOND, ANNETTE, DK

[72] HAACK-SORENSEN, MANDANA, DK

[73] RIGSHOSPITALET, DK

[85] 2018-04-04

[86] 2016-10-21 (PCT/EP2016/075407)

[87] (WO2017/068140)

[30] EP (15191213.6) 2015-10-23

**Canadian Patents Issued
January 9, 2024**

[11] **3,000,935**
[13] C

[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **STORAGE CONTAINERS, BINS AND DEVICES**
[54] **CONTENEURS, BACS ET DISPOSITIFS DE STOCKAGE**
[72] LINDBO, LARS SVERKER TURE, GB
[72] INGRAM-TEDD, ANDREW JOHN, GB
[73] OCADO INNOVATION LIMITED, GB
[85] 2018-04-04
[86] 2016-11-11 (PCT/EP2016/077465)
[87] (WO2017/081273)
[30] GB (1519931.8) 2015-11-11
[30] GB (1519930.0) 2015-11-11
[30] GB (1519929.2) 2015-11-11

[11] **3,000,962**
[13] C

[51] **Int.Cl. H01R 12/77 (2011.01)**
[25] EN
[54] **CIRCUIT BOARD CONNECTOR HAVING A PAIR OF LOCKING ARMS**
[54] **CONNECTEUR DE CARTE DE CIRCUITS IMPRIMES COMPRENANT UNE PAIRE DE TIGES DE VEROUILLAGE**
[72] MOTOYAMA, MASAHICO, JP
[72] KAMEDA, YASUTOSHI, JP
[73] AMPHENOL FCI ASIA PTE. LTD., SG
[85] 2018-04-04
[86] 2016-08-31 (PCT/SG2016/050424)
[87] (WO2017/039543)
[30] SG (10201506887X) 2015-08-31

[11] **3,001,187**
[13] C

[51] **Int.Cl. G06F 30/23 (2020.01) G06F 17/10 (2006.01) E21B 49/00 (2006.01)**
[25] EN
[54] **RESERVOIR SIMULATION USING AN ADAPTIVE DEFLATED MULTISCALE SOLVER**
[54] **SIMULATION DE RESERVOIR AU MOYEN D'UN SOLVEUR MULTI-ECHELLE DEGONFLE ADAPTATIF**
[72] BRATVEDT, KYRRE, US
[72] LUKYANOV, ALEXANDER, US
[72] HAJIBEYGI, HADI, NL
[72] VUIK, KEES, NL
[73] SCHLUMBERGER CANADA LIMITED, CA
[73] CHEVRON U.S.A. INC., US
[73] TOTAL SA, FR
[85] 2018-04-05
[86] 2016-10-06 (PCT/US2016/055609)
[87] (WO2017/062531)
[30] US (62/239,343) 2015-10-09

[11] **3,001,251**
[13] C

[51] **Int.Cl. B42D 25/20 (2014.01) B42D 25/47 (2014.01) B32B 15/14 (2006.01) G06K 19/02 (2006.01)**
[25] EN
[54] **MULTILAYER COMPOSITE BACKED CARD**
[54] **CARTE A SUPPORT COMPOSITE MULTICOUCHE**
[72] CEPRESS, CARL ALEXANDER, US
[72] ONG, ELWIN CHING YEE, US
[73] CAPITAL ONE SERVICES, LLC, US
[85] 2018-04-05
[86] 2016-10-13 (PCT/US2016/056867)
[87] (WO2017/066462)
[30] US (62/241,421) 2015-10-14

[11] **3,001,334**
[13] C

[51] **Int.Cl. B29C 45/56 (2006.01) B42D 25/29 (2014.01)**
[25] EN
[54] **MOLDED POCKET IN TRANSACTION CARD CONSTRUCTION**
[54] **POCHE MOULEE PENDANT LA FABRICATION D'UNE CARTE DE TRANSACTION**
[72] CEPRESS, CARL ALEXANDER, US
[72] CHING YEE ONG, ELWIN, US
[73] CAPITAL ONE SERVICES, LLC, US
[85] 2018-04-06
[86] 2016-10-13 (PCT/US2016/056870)
[87] (WO2017/066464)
[30] US (62/241,636) 2015-10-14

[11] **3,001,645**
[13] C

[51] **Int.Cl. G02C 7/02 (2006.01) G02C 7/06 (2006.01)**
[25] EN
[54] **AN OPHTHALMIC PROGRESSIVE ADDITION LENS FOR A MYOPIC OR EMMETROPIC PRESBYOPIC WEARER; METHOD FOR PROVIDING SUCH A LENS.**
[54] **VERRE OPHTHALMIQUE A FOYER PROGRESSIF POUR PORTEUR MYOPE OU EMMETROPE PRESBYTE, ET PROCEDE DE FABRICATION D'UN TEL VERRE.**
[72] ROUSSEAU, BENJAMIN, FR
[72] HESLOUIS, MELANIE, FR
[72] FRICKER, SEBASTIEN, FR
[72] LAKHCHAF, NACER, FR
[72] ESCALIER, GUILHEM, FR
[72] BONNIN, THIERRY, FR
[72] POULAIN, ISABELLE, FR
[72] JOLIVET, VALERIE, FR
[72] WIERZBICKI, JULIETTE, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2018-04-11
[86] 2016-10-11 (PCT/EP2016/074304)
[87] (WO2017/064041)
[30] EP (15306644.4) 2015-10-15
[30] EP (15306646.9) 2015-10-15
[30] EP (15306655.0) 2015-10-15
[30] EP (16305312.7) 2016-03-21

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,002,138**

[13] C

- [51] **Int.Cl. C09K 8/36 (2006.01) C09K 8/502 (2006.01) C09K 8/565 (2006.01) C09K 8/64 (2006.01) C09K 8/82 (2006.01)**
- [25] EN
- [54] **HYDROCARBON-FREE EMULSIFIER**
- [54] **EMULSIFIANT EXEMPT D'HYDROCARBURES**
- [72] VILLAREAL, QUENTON CHRISTOPHER, US
- [72] BALESTRINI, ANDREA, US
- [72] MAKIAH, SAMA NAZAR, US
- [72] PEGORARI, BRUNO, BR
- [72] FLORIDI, GIOVANNI, IT
- [72] LI BASSI, GIUSEPPE, IT
- [73] LAMBERTI S.P.A., IT
- [85] 2018-03-26
- [86] 2016-09-29 (PCT/EP2016/073358)
- [87] (WO2017/055508)
- [30] IT (UB2015A003988) 2015-09-30

[11] **3,002,167**

[13] C

- [51] **Int.Cl. F21V 21/34 (2006.01)**
- [25] EN
- [54] **MODULAR BAY LUMINAIRE**
- [54] **APPAREIL D'ECLAIRAGE DE BAIE MODULAIRE**
- [72] BRANNON, DEREK, US
- [72] HOLSCHER, THOMAS, US
- [72] ENGLE, JOSEPH, US
- [73] HUBBELL LIGHTING, INC., US
- [85] 2018-04-16
- [86] 2016-10-14 (PCT/US2016/057146)
- [87] (WO2017/066642)
- [30] US (62/242,596) 2015-10-16
- [30] US (62/325,639) 2016-04-21
- [30] US (62/372,851) 2016-08-10

[11] **3,002,177**

[13] C

- [51] **Int.Cl. E21B 43/241 (2006.01) E21B 36/04 (2006.01) E21B 43/24 (2006.01)**
- [25] EN
- [54] **ELECTRIC HEAT & NGL STARTUP FOR HEAVY OIL**
- [54] **DEMARRAGE THERMOELECTRIQUE ET GNL POUR LE PETROLE LOURD**
- [72] GAMAGE, SILUNI L., US
- [72] WHEELER, T.J., US
- [72] REDMAN, ROBERT S., US
- [73] CONOCOPHILLIPS COMPANY, US
- [86] (3002177)
- [87] (3002177)
- [22] 2018-04-18
- [30] US (62/506297) 2017-05-15
- [30] US (15/955125) 2018-04-17

[11] **3,002,736**

[13] C

- [51] **Int.Cl. H01M 4/133 (2010.01) H01M 4/20 (2006.01) H01M 4/96 (2006.01)**
- [25] EN
- [54] **IMPROVED ELECTRODE FOR REDOX FLOW BATTERY**
- [54] **ELECTRODE AMELIOREE POUR BATTERIE REDOX**
- [72] SUN, CHE-NAN, US
- [72] GENDERS, DAVID, US
- [72] SYMONS, PETER, US
- [73] INVINITY ENERGY SYSTEMS (CANADA) CORPORATION, CA
- [85] 2018-04-19
- [86] 2016-11-09 (PCT/US2016/061204)
- [87] (WO2017/083439)
- [30] US (62/254,711) 2015-11-13

[11] **3,002,738**

[13] C

- [51] **Int.Cl. H01M 8/18 (2006.01) H01M 8/0273 (2016.01) H01M 4/86 (2006.01) B60L 50/64 (2019.01)**
- [25] EN
- [54] **ELECTRODE ASSEMBLY AND FLOW BATTERY WITH IMPROVED ELECTROLYTE DISTRIBUTION**
- [54] **ENSEMBLE ELECTRODE ET BATTERIE A FLUX AYANT UNE MEILLEURE DISTRIBUTION D'ELECTROLYTE**
- [72] KLASSEN, ANDREW, CA
- [72] BLACKER, RICKY, CA
- [73] INVINITY ENERGY SYSTEMS (CANADA) CORPORATION, CA
- [85] 2018-04-19
- [86] 2016-11-15 (PCT/US2016/061992)
- [87] (WO2017/087365)
- [30] US (62/256,847) 2015-11-18

[11] **3,002,750**

[13] C

- [51] **Int.Cl. A61F 2/06 (2013.01)**
- [25] FR
- [54] **ELASTIC RING AND ASSOCIATED TREATMENT DEVICE FOR IMPLANTING IN A CONDUIT FOR CIRCULATION OF A BODY FLUID**
- [54] **COURONNE ELASTIQUE ET DISPOSITIF DE TRAITEMENT ASSOCIE POUR UNE IMPLANTATION DANS UN CONDUIT DE CIRCULATION D'UN FLUIDE CORPOREL**
- [72] CHAKFE, NABIL, FR
- [72] CONTASSOT, DAVID, FR
- [73] ID NEST MEDICAL, FR
- [73] UNIVERSITE DE STRASBOURG, FR
- [85] 2018-04-20
- [86] 2016-10-26 (PCT/EP2016/075786)
- [87] (WO2017/072168)
- [30] FR (15 60187) 2015-10-26

**Canadian Patents Issued
January 9, 2024**

[11] **3,002,867**
[13] C

[51] **Int.Cl. A47L 5/30 (2006.01) A47L 5/34 (2006.01) A47L 9/04 (2006.01)**
[25] EN
[54] **SURFACE CLEANING HEAD WITH DUAL ROTATING AGITATORS**
[54] **TETE DE NETTOYAGE DE SURFACE COMPRENANT DES AGITATEURS ROTATIFS DOUBLES**
[72] CARTER, STEVEN PAUL, GB
[72] UDY, ADAM, GB
[72] SUTTER, CATRIONA A., GB
[72] PINCHES, CHRISTOPHER, GB
[72] CLARE, DAVID S., GB
[72] BROWN, ANDRE DAVID, US
[72] FREESE, JOHN, US
[72] CLEARY, PATRICK, US
[72] CALVINO, ALEXANDER, US
[72] COTTRELL, LEE, US
[72] MEYER, DANIEL, US
[72] INNES, DANIEL JOHN, US
[72] JALBERT, DAVID, US
[72] THORNE, JASON B., US
[72] HUTCHINSON, PETER, CN
[72] HOWE, GORDON, US
[72] GAO WENXIU, NANCY, CN
[72] WU, DAVID, US
[72] POIRER, DAVID W., US
[73] SHARKNINJA OPERATING LLC, US
[85] 2018-04-20
[86] 2016-10-21 (PCT/US2016/058155)
[87] (WO2017/070492)
[30] US (62/244,331) 2015-10-21
[30] US (62/248,813) 2015-10-30
[30] US (62/313,394) 2016-03-25

[11] **3,003,498**
[13] C

[51] **Int.Cl. G21C 1/22 (2006.01) G21C 5/14 (2006.01)**
[25] EN
[54] **MOLTEN SALT NUCLEAR REACTOR**
[54] **REACTEUR NUCLEAIRE A SELS FONDUS**
[72] LEBLANC, DAVID, CA
[73] TERRESTRIAL ENERGY INC., CA
[85] 2018-04-27
[86] 2016-10-28 (PCT/CA2016/051255)
[87] (WO2017/070791)
[30] US (62/248,755) 2015-10-30

[11] **3,003,546**
[13] C

[51] **Int.Cl. B60C 9/20 (2006.01) B60C 9/22 (2006.01) B60C 11/03 (2006.01) B60C 11/12 (2006.01)**
[25] FR
[54] **TIRE HAVING IMPROVED WEAR AND ROLLING RESISTANCE PROPERTIES**
[54] **PNEUMATIQUE PRESENTANT DES PROPRIETES D'USURE ET DE RESISTANCE AU ROULEMENT AMELIOREES**
[72] GERVAIS, PHILIPPE, FR
[72] GODEAU, GILLES, FR
[72] QUANTINET, BENJAMIN, FR
[72] ZIVKOVIC, TONY, FR
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2018-04-27
[86] 2016-12-14 (PCT/FR2016/053383)
[87] (WO2017/103439)
[30] FR (1562460) 2015-12-16

[11] **3,003,833**
[13] C

[51] **Int.Cl. B29C 73/16 (2006.01) C09K 3/10 (2006.01)**
[25] EN
[54] **SEALANT COMPOSITION**
[54] **COMPOSITION DE MATERIAU D'ETANCHEITE**
[72] DOWEL, TERENCE, AU
[73] TRYDEL RESEARCH PTY LTD, AU
[85] 2018-05-01
[86] 2016-11-07 (PCT/AU2016/051062)
[87] (WO2017/075673)
[30] AU (2015904569) 2015-11-06

[11] **3,004,162**
[13] C

[51] **Int.Cl. F16C 7/02 (2006.01) F16C 9/04 (2006.01)**
[25] EN
[54] **CONNECTING ROD**
[54] **BIELLE**
[72] BUSSIERES, FREDERIC, AT
[73] INNIO JENBACHER GMBH & CO OG, AT
[85] 2018-05-03
[86] 2016-11-07 (PCT/EP2016/076816)
[87] (WO2017/077108)
[30] AT (A50950/2015) 2015-11-06

[11] **3,004,354**
[13] C

[51] **Int.Cl. A61B 8/00 (2006.01)**
[25] EN
[54] **IGH FREQUENCY ULTRASOUND TRANSDUCER AND METHOD FOR MANUFACTURE**
[54] **TRANSDUCTEUR A ULTRASONS A HAUTE FREQUENCE ET PROCEDE DE FABRICATION**
[72] CHAGGARES, NICHOLAS CHRISTOPHER, CA
[72] IVANYTSKYY, OLEG, CA
[72] KOLAJA, ROBERT, CA
[72] PANG, GUOFENG, CA
[73] FUJIFILM SONOSITE, INC., US
[85] 2018-05-03
[86] 2016-11-22 (PCT/US2016/063431)
[87] (WO2017/091632)
[30] US (62/260,213) 2015-11-25

[11] **3,004,547**
[13] C

[51] **Int.Cl. B64C 13/00 (2006.01) B64C 13/50 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR A DISTRIBUTED AIRCRAFT ACTUATION SYSTEM**
[54] **METHODES ET APPAREILS DESTINES A UN SYSTEME D'ACTIONNEMENT D'AERONEF DISTRIBUE**
[72] HUYNH, NEAL VAN, US
[72] MOSER, MATTHEW ALEXANDER, US
[72] MCCORMICK, PATRICK JOSEPH, US
[73] THE BOEING COMPANY, US
[86] (3004547)
[87] (3004547)
[22] 2018-05-09
[30] US (62/520288) 2017-06-15
[30] US (15/653,257) 2017-06-18

[11] **3,004,771**
[13] C

[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/20 (2006.01) A61M 5/315 (2006.01) A61M 5/50 (2006.01)**
[25] EN
[54] **RETRACTABLE SYRINGE**
[54] **SERINGUE RETRACTABLE**
[72] WALSH, ALLAN, AU
[73] SAFER SYRINGE INNOVATIONS PTY LTD, AU
[85] 2018-05-09
[86] 2016-11-18 (PCT/AU2016/051119)
[87] (WO2017/079811)

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,005,288**
[13] C

[51] **Int.Cl. B60C 1/00 (2006.01) C08K 3/36 (2006.01) C08L 9/06 (2006.01)**

[25] FR

[54] **TIRE TREAD REINFORCED WITH SILICA HAVING A LOW SPECIFIC SURFACE AREA AND A DIENE ELASTOMER HAVING A LOW GLASS TRANSITION TEMPERATURE**

[54] **BANDE DE ROULEMENT RENFORCEE D'UNE SILICE DE BASSE SURFACE SPECIFIQUE ET UN ELASTOMERE DIENIQUE DE FAIBLE TEMPERATURE DE TRANSITION VITREUSE**

[72] VOISIN, FLORIANDRE, FR

[72] NOURRY, CHRISTINE, FR

[72] LONGCHAMBON, KARINE, FR

[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR

[85] 2018-05-11

[86] 2016-12-08 (PCT/FR2016/053282)

[87] (WO2017/103386)

[30] FR (1562820) 2015-12-18

[11] **3,005,313**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/505 (2006.01) A61K 47/22 (2006.01) A61K 47/34 (2017.01)**

[25] EN

[54] **INJECTION SOLUTION COMPRISING A NON-NUCLEOSIDE REVERSE-TRANSCRIPTASE INHIBITOR AND POLY(LACTIDE-CO-GLYCOLIDE)**

[54] **SOLUTION INJECTABLE COMPRENANT UN INHIBITEUR DE TRANSCRIPTASE INVERSE NON NUCLEOSIDIQUE ET DU POLY(LACTIDE-CO-GLYCOLIDE)**

[72] WINDHAB, NORBERT, DE

[72] JABER, RIMA, DE

[72] SCHRODER, AXEL, DE

[72] BURTON, KEVIN, US

[72] TICE, TOM, US

[73] EVONIK OPERATIONS GMBH, DE

[85] 2018-05-14

[86] 2016-11-11 (PCT/EP2016/077402)

[87] (WO2017/084973)

[30] US (62/255,866) 2015-11-16

[30] EP (15197777.4) 2015-12-03

[11] **3,005,411**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 9/00 (2006.01)**

[25] EN

[54] **TREATMENT OF AGE-RELATED MACULAR DEGENERATION USING RNA COMPLEXES THAT TARGET MYD88 OR TLR3**

[54] **TRAITEMENT DE LA DEGENERESCENCE MACULAIRE LIEE A L'AGE A L'AIDE DE COMPLEXES D'ARN QUI CIBLENT MYD88 OU TLR3**

[72] LEE, DONG-KI, KR

[72] HONG, SUN WOO, KR

[72] HONG, ISU, KR

[72] HWANG, JI HYE, KR

[73] OLIX PHARMACEUTICALS, INC., KR

[85] 2018-05-15

[86] 2016-11-15 (PCT/IB2016/001745)

[87] (WO2017/085550)

[30] US (62/255,878) 2015-11-16

[11] **3,005,769**
[13] C

[51] **Int.Cl. B27B 33/20 (2006.01) B23D 45/10 (2006.01) B26D 1/01 (2006.01) B27B 1/00 (2006.01) B27B 33/08 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR PROCESSING LOGS**

[54] **APPAREIL ET PROCEDE POUR TRAITER DES RONDINS**

[72] RAUTIO, MARKKU, FI

[72] HALTTUNEN, TUOMAS, FI

[73] VEISTO OY, FI

[85] 2018-05-18

[86] 2016-11-24 (PCT/FI2016/050826)

[87] (WO2017/089654)

[30] FI (20155866) 2015-11-24

[11] **3,005,774**
[13] C

[51] **Int.Cl. C07D 407/12 (2006.01) A61K 31/351 (2006.01) A61P 31/16 (2006.01) C07D 407/14 (2006.01) C07K 9/00 (2006.01)**

[25] EN

[54] **COMPOUNDS AND METHODS FOR THE TREATMENT AND/OR PREVENTION OF INFLUENZA INFECTION**

[54] **COMPOSES ET METHODES POUR LE TRAITEMENT ET/OU LA PREVENTION D'UNE INFECTION D'INFLUENZA**

[72] JIN, BETTY, AU

[72] SEAH, EE-LING, AU

[72] JONES, PAUL ARTHUR, AU

[72] JENKINS, PETER JAMES, AU

[72] WINDLE, HENRY KENNETH, AU

[72] WU, WEN YANG, AU

[73] AUSTRALIAN BIOMEDICAL CO. PTY LTD, AU

[85] 2018-05-18

[86] 2016-11-16 (PCT/AU2016/051100)

[87] (WO2017/083914)

[30] AU (2015904895) 2015-11-20

[11] **3,006,051**
[13] C

[51] **Int.Cl. B65G 43/10 (2006.01) H04B 17/15 (2015.01) B65G 43/00 (2006.01) G05B 19/00 (2006.01) G05B 19/042 (2006.01) G05B 19/048 (2006.01) G05B 19/07 (2006.01) G06F 11/26 (2006.01) G06F 11/28 (2006.01) H04B 3/46 (2015.01) H04B 3/50 (2006.01) H04B 17/00 (2015.01) H04L 7/033 (2006.01) H04Q 1/20 (2006.01)**

[25] EN

[54] **METHODS FOR SYNCHRONIZATION PULSE CONTROL OF CHANNEL BANDWIDTH ON DATA COMMUNICATION BUS**

[54] **METHODES DE CONTROLE DE L'IMPULSION DE SYNCHRONISATION DE LA LARGEUR DE BANDE DE CANAL DANS LES BUS DE COMMUNICATION DE DONNEES**

[72] ILIJIC, NIK, AU

[73] HUBBELL INCORPORATED, US

[85] 2018-05-23

[86] 2016-11-28 (PCT/US2016/063858)

[87] (WO2017/095743)

[30] US (62/261,084) 2015-11-30

**Canadian Patents Issued
January 9, 2024**

[11] **3,006,687**
[13] C

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12Q 1/6809 (2018.01) A61K 35/30 (2015.01) A61P 27/02 (2006.01)**

[25] EN

[54] **IMPROVED METHODS OF PRODUCING RPE CELLS AND COMPOSITIONS OF RPE CELLS**

[54] **PROCEDES AMELIORES POUR LA PRODUCTION DE CELLULES RPE ET DE COMPOSITIONS DE CELLULES RPE**

[72] MALCUIT, CHRISTOPHER, US

[72] LEMIEUX, LINDA, US

[72] HOLMES, WILLIAM, US

[72] HUERTAS, PEDRO, US

[72] VILNER, LUCY, US

[73] ASTELLAS INSTITUTE FOR REGENERATIVE MEDICINE, US

[86] (3006687)

[87] (3006687)

[22] 2008-10-10

[62] 2,702,386

[30] US (60/998,668) 2007-10-12

[30] US (60/998,766) 2007-10-12

[30] US (61/009,911) 2008-01-02

[30] US (61/009,908) 2008-01-02

[11] **3,007,039**
[13] C

[51] **Int.Cl. C04B 22/00 (2006.01) C04B 28/04 (2006.01)**

[25] EN

[54] **ULTRA-LIGHT MINERAL FOAM**

[54] **MOUSSE MINERALE ULTRA-LEGERE**

[72] NEYRAND, CORINNE, FR

[72] DALAS, FLORENT, FR

[72] DYKMAN, MELANIE, FR

[72] TINTILLER, PATRICK, FR

[72] SABIO, SERGE, FR

[73] HOLCIM TECHNOLOGY LTD, CH

[85] 2018-05-31

[86] 2016-12-05 (PCT/IB2016/001717)

[87] (WO2017/093795)

[30] EP (15306943.0) 2015-12-04

[11] **3,007,040**
[13] C

[51] **Int.Cl. C04B 22/00 (2006.01) C04B 28/04 (2006.01)**

[25] EN

[54] **ULTRA-LIGHT MINERAL FOAM**

[54] **MOUSSE MINERALE ULTRA-LEGERE**

[72] CHAUMILLIAT, CHRISTINE, FR

[72] BLACHIER, CHRISTIAN, FR

[72] PEREZ, NICOLAS, FR

[72] FERREINT, LILIAN, FR

[73] HOLCIM TECHNOLOGY LTD, CH

[85] 2018-05-31

[86] 2016-12-05 (PCT/IB2016/001721)

[87] (WO2017/093797)

[30] EP (15 306 942.2) 2015-12-04

[11] **3,007,254**
[13] C

[51] **Int.Cl. C08F 220/06 (2006.01) A61L 27/52 (2006.01) C08J 3/075 (2006.01) C08J 3/24 (2006.01) C08K 5/20 (2006.01) C08L 29/04 (2006.01) C08L 33/02 (2006.01) C08L 101/02 (2006.01)**

[25] EN

[54] **DOUBLE NETWORK HYDROGEL WITH ANIONIC POLYMER AND USES THEREOF**

[54] **HYDROGEL A DOUBLE RESEAU AVEC POLYMERE ANIONIQUE ET UTILISATIONS DE CELUI-CI**

[72] VAUGHN, MICHAEL AARON, US

[73] POLY-MED, INC., US

[85] 2018-05-31

[86] 2016-12-02 (PCT/US2016/064682)

[87] (WO2017/096203)

[30] US (62/262,945) 2015-12-04

[11] **3,007,651**
[13] C

[51] **Int.Cl. H01M 4/88 (2006.01) H01M 8/1018 (2016.01) H01M 4/92 (2006.01)**

[25] EN

[54] **CATALYST**

[54] **CATALYSEUR**

[72] MARTINEZ BONASTRE, ALEJANDRO, GB

[72] SPIKES, GEOFFREY HUGH, GB

[72] O'MALLEY, RACHEL LOUISE, GB

[73] JOHNSON MATTHEY HYDROGEN TECHNOLOGIES LIMITED, GB

[85] 2018-06-06

[86] 2017-01-26 (PCT/GB2017/050202)

[87] (WO2017/129982)

[30] GB (1601673.5) 2016-01-29

[11] **3,007,957**
[13] C

[51] **Int.Cl. A24D 1/00 (2020.01) A24C 5/00 (2020.01) A24D 1/02 (2006.01)**

[25] EN

[54] **SMOKING ARTICLE WITH HEAT GENERATION CARTRIDGE**

[54] **ARTICLE A FUMER COMPRENANT UNE CARTOUCHE DE GENERATION DE CHALEUR**

[72] ADEME, BALAGER, US

[73] R. J. REYNOLDS TOBACCO COMPANY, US

[85] 2018-06-08

[86] 2016-12-09 (PCT/IB2016/057489)

[87] (WO2017/098464)

[30] US (14/964,906) 2015-12-10

[11] **3,008,005**
[13] C

[51] **Int.Cl. A61M 1/34 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CONTROLLING VENOUS AIR RECOVERY IN A PORTABLE DIALYSIS SYSTEM**

[54] **SYSTEME ET PROCEDE DE COMMANDE DE RETABLISSEMENT D'AIR VEINEUX DANS UN SYSTEME DE DIALYSE PORTABLE**

[72] ARRIZZA, JOHN, US

[72] PALMROOS, JOHN ERIK MICHAEL, US

[72] DE LA FUENTE, ERNESTO TRILLANES, JR., US

[72] PHAM, NHAN VIET, US

[72] FULKERSON, BARRY NEIL, US

[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US

[85] 2018-06-08

[86] 2016-12-14 (PCT/US2016/066671)

[87] (WO2017/106356)

[30] US (14/972,464) 2015-12-17

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,008,188**
[13] C

- [51] **Int.Cl. A61B 17/82 (2006.01)**
[25] EN
[54] **STERNAL CLOSURE ASSEMBLY**
[54] **ENSEMBLE DE FERMETURE DU STERNUM**
[72] LLAS VARGAS, SALVADOR, ES
[72] GARCIA ROIG, PAU, ES
[72] SERRAHIMA TORNEL, MARC, ES
[73] NEOS SURGERY, S.L., ES
[85] 2018-06-12
[86] 2016-12-15 (PCT/EP2016/081129)
[87] (WO2017/102915)
[30] US (14/971,294) 2015-12-16

[11] **3,008,476**
[13] C

- [51] **Int.Cl. E04B 2/74 (2006.01) E04B 1/68 (2006.01) E04B 1/94 (2006.01) E04B 2/72 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR SUBSTANTIALLY AIRTIGHT AREA SEPARATION WALL**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR PAROI DE SEPARATION DE ZONE SENSIBLEMENT ETANCHE A L'AIR**
[72] GATLAND, STANLEY D., US
[72] DINOIA, TODD D., US
[72] MCDONALD, CONOR PATRICK, US
[73] CERTAINTEED GYPSUM, INC., US
[85] 2018-06-13
[86] 2016-12-16 (PCT/US2016/067376)
[87] (WO2017/106785)
[30] US (62/269,815) 2015-12-18

[11] **3,008,618**
[13] C

- [51] **Int.Cl. F16M 11/10 (2006.01)**
[25] EN
[54] **ROTATING WALL MOUNT FOR DISPLAY DEVICE**
[54] **SUPPORT MURAL TOURNANT POUR DISPOSITIF D'AFFICHAGE**
[72] TRACHTENBERG, MARC, US
[72] GARIPEY, FRANCOIS, CA
[73] VIDERI INC., US
[85] 2018-06-14
[86] 2016-12-15 (PCT/US2016/066934)
[87] (WO2017/106502)
[30] US (14/970,097) 2015-12-15

[11] **3,009,173**
[13] C

- [51] **Int.Cl. A61F 2/00 (2006.01)**
[25] EN
[54] **DEPLOYMENT DEVICE FOR A SOFT TISSUE REPAIR PROSTHESIS**
[54] **DISPOSITIF DE DEPLOIEMENT POUR PROTHESE DE REPARATION DE TISSU MOU**
[72] FELIX, AUGUSTUS, US
[72] GRIFFIN, JEREMY, US
[72] BOWLEY, CHRIS, US
[72] CONDIDI, JOHN, US
[72] RATHBONE, DANIEL, US
[72] BACHMAN, ALAN, US
[72] PAPADOPOULOS, MARCUS STEPHEN, US
[72] GREENE, DANIEL JOSEPH, US
[73] C.R. BARD, INC., US
[85] 2018-06-19
[86] 2016-12-22 (PCT/US2016/068323)
[87] (WO2017/116992)
[30] US (62/271,896) 2015-12-28
[30] US (62/372,525) 2016-08-09

[11] **3,009,297**
[13] C

- [51] **Int.Cl. G01K 11/3206 (2021.01)**
[25] EN
[54] **FIBRE OPTIC TEMPERATURE MEASUREMENT**
[54] **MESURE DE TEMPERATURE DE FIBRE OPTIQUE**
[72] GODFREY, ALASTAIR, GB
[73] OPTASENSE HOLDINGS LIMITED, GB
[85] 2018-06-20
[86] 2016-12-19 (PCT/GB2016/053988)
[87] (WO2017/109469)
[30] GB (1522715.0) 2015-12-23

[11] **3,009,505**
[13] C

- [51] **Int.Cl. A47C 3/12 (2006.01) A47C 1/024 (2006.01) A47C 3/027 (2006.01) A47C 7/02 (2006.01)**
[25] EN
[54] **A CHAIR AND COMPONENTS**
[54] **CHAISE ET ELEMENTS**
[72] PARKER, KENT WALLACE, NZ
[72] COLLINGS, MARTYN WALTER GOODWIN, NZ
[72] O'HARA, WAYNE DOUGLAS, NZ
[72] YOUNG, AARON MICHAEL, NZ
[72] STEVENSON, PAUL JAMES, NZ
[72] BATEMAN, GAVIN JAMES, NZ
[72] LIN, KAI XI, NZ
[73] FORMWAY FURNITURE LIMITED, NZ
[85] 2018-06-21
[86] 2017-02-03 (PCT/NZ2017/050009)
[87] (WO2017/135831)
[30] NZ (716713) 2016-02-05

[11] **3,009,527**
[13] C

- [51] **Int.Cl. A61K 31/519 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER**
[54] **METHODES DE TRAITEMENT DU CANCER**
[72] WILLINGHAM, STEPHEN, US
[72] MILLER, RICHARD A., US
[72] HO, PO Y., US
[72] MCCAFFERY, IAN, US
[72] HOTSON, ANDREW, US
[73] CORVUS PHARMACEUTICALS, INC., US
[85] 2018-06-21
[86] 2016-12-22 (PCT/US2016/068459)
[87] (WO2017/112917)
[30] US (62/387,383) 2015-12-24
[30] US (62/324,211) 2016-04-18
[30] US (62/350,602) 2016-06-15
[30] US (62/421,109) 2016-11-11
[30] US (62/421,171) 2016-11-11

**Canadian Patents Issued
January 9, 2024**

[11] **3,009,614**
[13] C

[51] **Int.Cl. H01H 9/54 (2006.01) H01H 33/59 (2006.01) H02H 3/02 (2006.01) H02H 3/08 (2006.01)**

[25] EN

[54] **ARRANGEMENT, SYSTEM, AND METHOD OF INTERRUPTING CURRENT**

[54] **MONTAGE, SYSTEME ET PROCEDE D'INTERRUPTION DE COURANT**

[72] NORRGA, STAFFAN, SE

[72] ANGQUIST, LENNART, SE

[72] MODEER, TOMAS, SE

[73] SCIBREAK AB, SE

[85] 2018-06-22

[86] 2016-12-08 (PCT/SE2016/051233)

[87] (WO2017/116296)

[30] SE (1551717-0) 2015-12-28

[11] **3,009,702**
[13] C

[51] **Int.Cl. C08F 4/14 (2006.01) C08F 10/10 (2006.01)**

[25] EN

[54] **POLYMERIZATION INITIATING SYSTEM AND METHOD TO PRODUCE HIGHLY REACTIVE OLEFIN FUNCTIONAL POLYMERS**

[54] **MECANISME D'INITIALISATION DE POLYMERISATION ET METHODE DE PRODUCTION DE POLYMERES FONCTIONNELS D'OLEFINE HAUTEMENT REACTIVE**

[72] DIMITROV, PHILIP, US

[72] SEVERT, RICHARD J., US

[72] SKOURLIS, THOMAS, US

[72] WEBER, JEREMY, US

[72] EMERT, JACOB, US

[72] FAUST, RUDOLF, US

[73] INFINEUM INTERNATIONAL LIMITED, GB

[73] UNIVERSITY OF MASSACHUSETTS, US

[86] (3009702)

[87] (3009702)

[22] 2018-06-26

[30] US (15/635,460) 2017-06-28

[11] **3,009,728**
[13] C

[51] **Int.Cl. H04W 16/14 (2009.01) H04W 92/24 (2009.01)**

[25] EN

[54] **COMMUNICATION CONTROL DEVICE, COMMUNICATION CONTROL METHOD, PROGRAM, AND WIRELESS COMMUNICATION DEVICE**

[54] **DISPOSITIF DE COMMANDE DE COMMUNICATION, PROCEDE DE COMMANDE DE COMMUNICATION, PROGRAMME ET DISPOSITIF DE COMMANDE SANS FIL**

[72] FURUICHI, SHO, JP

[73] SONY CORPORATION, JP

[85] 2018-06-26

[86] 2016-10-27 (PCT/JP2016/081951)

[87] (WO2017/130494)

[30] JP (2016-013282) 2016-01-27

[11] **3,009,875**
[13] C

[51] **Int.Cl. C08J 9/16 (2006.01) B32B 5/20 (2006.01) B32B 27/10 (2006.01) B65D 1/34 (2006.01) C08J 9/22 (2006.01) D21H 17/33 (2006.01) D21H 21/56 (2006.01)**

[25] EN

[54] **METHODS FOR MAKING PAPER OR BOARD, A BOARD TRAY AND PULP PARTICLES COATED WITH FOAMABLE POLYMER FOR USE IN THE SAME**

[54] **PROCEDES DE FABRICATION DE PAPIER OU DE CARTON, BARQUETTE EN CARTON, ET PARTICULES DE PATE ENROBEES DE POLYMERE MOUSSANT A UTILISER DANS CES DERNIERS**

[72] RASANEN, JARI, FI

[72] HILTUNEN, MARI, FI

[72] HARLIN, ALI, FI

[72] KOSKELA, HANNA, FI

[72] LAINE, CHRISTIANE, FI

[72] KELA, LAURA, FI

[73] STORA ENSO OYJ, FI

[85] 2018-06-27

[86] 2017-02-06 (PCT/IB2017/050629)

[87] (WO2017/137879)

[30] SE (1650183-5) 2016-02-12

[11] **3,010,348**
[13] C

[51] **Int.Cl. A61M 39/20 (2006.01) A61M 5/00 (2006.01) A61M 25/18 (2006.01) A61M 39/00 (2006.01) A61M 39/16 (2006.01) B08B 3/08 (2006.01) F16K 51/00 (2006.01)**

[25] EN

[54] **DISINFECTION CAP FOR IV NEEDLELESS CONNECTORS**

[54] **BOUCHON DE DESINFECTION POUR RACCORDS SANS AIGUILLE INTRAVEINEUX**

[72] RYAN, KEVIN M., US

[72] CHARLES, NICHOLA, US

[73] BECTON, DICKINSON AND COMPANY, US

[85] 2018-07-03

[86] 2017-01-17 (PCT/US2017/013790)

[87] (WO2017/127365)

[30] US (62/279,986) 2016-01-18

[30] US (62/300,247) 2016-02-26

[11] **3,010,396**
[13] C

[51] **Int.Cl. F24B 1/20 (2006.01) F24B 1/22 (2006.01) F24B 5/06 (2006.01) F24C 15/32 (2006.01)**

[25] EN

[54] **COOKING APPARATUS**

[54] **APPAREIL DE CUISSON**

[72] TAPANINAHO, MATTI KRISTIAN, GB

[73] OONI LIMITED, GB

[85] 2018-06-29

[86] 2016-12-23 (PCT/GB2016/054062)

[87] (WO2017/115084)

[30] GB (1523175.6) 2015-12-31

[11] **3,010,420**
[13] C

[51] **Int.Cl. B21D 22/22 (2006.01) B21D 24/04 (2006.01)**

[25] EN

[54] **FORMING TOOL**

[54] **MOULE DE FORMAGE**

[72] SCHLEICH, RALF, DE

[72] EISINGER, CLAUS, DE

[73] VOESTALPINE AUTOMOTIVE COMPONENTS DETTINGEN GMBH & CO. KG, DE

[85] 2018-07-03

[86] 2016-12-23 (PCT/EP2016/082601)

[87] (WO2017/114790)

[30] EP (15203211.6) 2015-12-30

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,010,546**
[13] C

[51] **Int.Cl. G05B 19/042 (2006.01) G06F 21/12 (2013.01)**
[25] EN
[54] **INDUSTRIAL CONTROL SYSTEM MANAGEMENT**
[54] **GESTION DE SYSTEME DE COMMANDE INDUSTRIEL**
[72] TRUSCHI, STEFANO, IT
[72] CASTELLI, VIRGINIA, IT
[72] SNICKARS, CARLO, IT
[73] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2018-07-04
[86] 2017-01-13 (PCT/EP2017/050719)
[87] (WO2017/121878)
[30] IT (102016000003460) 2016-01-15

[11] **3,010,757**
[13] C

[51] **Int.Cl. H04L 49/25 (2022.01) H04L 61/2514 (2022.01) H04L 61/2553 (2022.01) H04L 61/256 (2022.01) H04L 61/4511 (2022.01) H04L 61/5007 (2022.01) H04L 61/5061 (2022.01) H04L 61/5076 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM OF PROVIDING CARRIER GRADE NAT (CGN) TO A SUBSET OF A SUBSCRIBER BASE**
[54] **PROCEDE ET SYSTEME DE FOURNITURE DE NAT DE CLASSE TRANSPORTEUR (CGN) A UN SOUS-ENSEMBLE DE BASE D'ABONNES**
[72] JAVALI, NAGESH, US
[72] JAYANT, RAMAKRISHNAN, US
[72] TORRES, ROB, US
[73] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2018-07-05
[86] 2016-12-22 (PCT/US2016/068403)
[87] (WO2017/117018)
[30] US (14/986,583) 2015-12-31

[11] **3,011,319**
[13] C

[51] **Int.Cl. E04B 1/348 (2006.01) E04F 17/08 (2006.01)**
[25] EN
[54] **MODULAR BUILDING STRUCTURE**
[54] **STRUCTURE DE BATIMENT MODULAIRE**
[72] LESTINI, FEDERICO, IT
[72] POFI, LUCA, IT
[73] EMMEALLAENNE S.R.L., IT
[85] 2018-07-12
[86] 2016-12-23 (PCT/IB2016/057968)
[87] (WO2017/122070)
[30] IT (102016000002424) 2016-01-13

[11] **3,011,413**
[13] C

[51] **Int.Cl. C09D 5/33 (2006.01) C09D 5/00 (2006.01) C09D 7/00 (2018.01)**
[25] EN
[54] **COATING COMPOSITION FOR SURFACE TEMPERATURE REDUCTION**
[54] **COMPOSITION DE REVETEMENT DESTINEE A LA REDUCTION DE LA TEMPERATURE DE SURFACE**
[72] SCHINDLY, BRIAN, US
[72] JORDAN, TERRY, US
[72] FERRARA, MADDI, US
[72] VETRICK, MICHAEL, US
[73] SWIMC LLC, US
[85] 2018-07-12
[86] 2017-01-17 (PCT/US2017/013771)
[87] (WO2017/124096)
[30] US (62/279,400) 2016-01-15

[11] **3,011,652**
[13] C

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/4025 (2006.01) A61K 31/41 (2006.01) A61K 31/4155 (2006.01) A61K 31/4192 (2006.01) A61K 31/4196 (2006.01) A61K 31/422 (2006.01) A61K 31/427 (2006.01) A61K 31/4439 (2006.01) A61K 31/506 (2006.01) A61P 3/10 (2006.01) A61P 7/00 (2006.01) A61P 7/02 (2006.01) C07D 207/16 (2006.01) C07D 401/12 (2006.01) C07D 403/14 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **NOVEL PYRROLIDINE DERIVATIVES**
[54] **NOUVEAUX DERIVES DE PYRROLIDINE**
[72] HAAP, WOLFGANG, CH
[72] KUHN, BERND, CH
[72] LUEBBERS, THOMAS, CH
[72] PETERS, JENS-UWE, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-07-17
[86] 2017-02-22 (PCT/EP2017/053967)
[87] (WO2017/144483)
[30] EP (16157679.8) 2016-02-26

[11] **3,012,044**
[13] C

[51] **Int.Cl. B01D 3/00 (2006.01) B01D 5/00 (2006.01) B01D 17/035 (2006.01) B01D 53/00 (2006.01) B01D 53/76 (2006.01) B01D 53/77 (2006.01) C07C 7/09 (2006.01) C07C 7/10 (2006.01) C07C 7/11 (2006.01) C10G 5/00 (2006.01) C10G 31/00 (2006.01)**
[25] EN
[54] **VAPOR RECOVERY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RECUPERATION DE VAPEUR**
[72] BAKER, AARON, US
[73] FLOGISTIX, LP, US
[85] 2018-07-19
[86] 2017-01-18 (PCT/US2017/013942)
[87] (WO2017/127426)
[30] US (62/281,961) 2016-01-22

**Canadian Patents Issued
January 9, 2024**

[11] **3,012,119**
[13] C

[51] **Int.Cl. F24H 1/14 (2006.01) F24H 1/16 (2006.01) F28D 1/047 (2006.01) F28D 7/08 (2006.01) F28F 1/08 (2006.01)**

[25] EN

[54] **HOT WATER APPLIANCE, FLUE GAS DISCHARGE THEREFOR AND METHOD FOR HEATING A FLUID**

[54] **CHAUFFE-EAU, EVACUATION DE GAZ DE COMBUSTION POUR CELUI-CI ET PROCEDE DE CHAUFFAGE D'UN FLUIDE**

[72] COOL, PETER JAN, NL

[73] INTERGAS HEATING ASSETS B.V., NL

[85] 2018-07-20

[86] 2017-01-31 (PCT/NL2017/050060)

[87] (WO2017/135814)

[30] NL (2016197) 2016-02-01

[11] **3,012,677**
[13] C

[51] **Int.Cl. F28F 3/10 (2006.01) F28F 9/04 (2006.01)**

[25] EN

[54] **HEAT EXCHANGER WITH TANKS, TUBES, AND RETAINER**

[54] **ECHANGEUR DE CHALEUR A CUVES, TUBES, ET LANGUETTE DE RETENUE**

[72] JANEZICH, ROBERT, US

[72] MORGAN, AARON PATRICK, US

[72] CEDAR, CHARLES EUGENE, US

[72] DOSEN, TODD GREGORY, US

[72] SHUEY, PAUL, US

[73] L & M RADIATOR, INC., US

[85] 2018-07-25

[86] 2017-01-26 (PCT/US2017/015056)

[87] (WO2017/132328)

[30] US (15/008,505) 2016-01-28

[11] **3,013,039**
[13] C

[51] **Int.Cl. F16J 15/02 (2006.01) F16L 21/035 (2006.01) E04D 13/04 (2006.01)**

[25] FR

[54] **SEALING RING AND ASSEMBLY OF DUCTS INCLUDING SAID RING**

[54] **BAGUE D'ETANCHEITE ET ASSEMBLAGE DE CONDUITS INCLUANT CETTE BAGUE**

[72] IFTISSEN, GERARD, FR

[73] RIKKSEN, FR

[85] 2018-07-27

[86] 2017-01-27 (PCT/EP2017/051771)

[87] (WO2017/129746)

[30] FR (1650720) 2016-01-29

[11] **3,013,406**
[13] C

[51] **Int.Cl. C07D 209/26 (2006.01) A61K 31/404 (2006.01) A61P 31/12 (2006.01)**

[25] EN

[54] **SUBSTITUTED INDOLINE DERIVATIVES AS DENGUE VIRAL REPLICATION INHIBITORS**

[54] **DERIVES D'INDOLINE SUBSTITUEE UTILISES EN TANT QU'INHIBITEURS DE REPLICATION DU VIRUS DE LA DENGUE**

[72] KESTELEYN, BART RUDOLF ROMANIE, BE

[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE

[72] BONFANTI, JEAN-FRANCOIS, FR

[72] BARDIOT, DOROTHEE ALICE MARIE-EVE, BE

[72] MARCHAND, ARNAUD DIDIER M, BE

[73] JANSSEN PHARMACEUTICALS, INC., US

[73] KATHOLIEKE UNIVERSITEIT LEUVEN, BE

[85] 2018-08-01

[86] 2017-03-31 (PCT/EP2017/057661)

[87] (WO2017/167951)

[30] EP (16163488.6) 2016-04-01

[11] **3,013,631**
[13] C

[51] **Int.Cl. B63B 34/23 (2020.01)**

[25] EN

[54] **COLLAPSIBLE KAYAK**

[54] **KAYAK PLIANT**

[72] KIRK, RHYS, CA

[73] KIRK, RHYS, CA

[86] (3013631)

[87] (3013631)

[22] 2018-08-09

[30] US (16/057,846) 2018-08-08

[11] **3,013,694**
[13] C

[51] **Int.Cl. G01N 21/01 (2006.01) G01N 15/05 (2006.01) G01N 21/17 (2006.01)**

[25] EN

[54] **ANALYTE SYSTEM AND METHOD FOR DETERMINING HEMOGLOBIN PARAMETERS IN WHOLE BLOOD**

[54] **SYSTEME D'ANALYTE ET PROCEDE DE DETERMINATION DE PARAMETRES DE L'HEMOGLOBINE DANS LE SANG TOTAL**

[72] CAFFERTY, MICHAEL, US

[72] CIONEK, SCOTT P., US

[73] NOVA BIOMEDICAL CORPORATION, US

[85] 2018-08-03

[86] 2016-02-04 (PCT/US2016/016560)

[87] (WO2017/135952)

[11] **3,013,702**
[13] C

[51] **Int.Cl. B65D 83/20 (2006.01) B65D 83/30 (2006.01) B65D 83/34 (2006.01) B65D 83/46 (2006.01)**

[25] EN

[54] **SINGLE ACTION DISPENSING DEVICE WITH SLIDING SLEEVE**

[54] **DISPOSITIF DE DISTRIBUTION A ACTION UNIQUE A MANCHON COULISSANT**

[72] SCHROER, DANIEL R., US

[72] BLACK, MARC S., US

[72] SCHUETTE, CHAD V., US

[72] SILER, CHRISTOPHER J., US

[73] DDP SPECIALTY ELECTRONIC MATERIALS US, LLC, US

[85] 2018-08-03

[86] 2017-01-31 (PCT/US2017/015747)

[87] (WO2017/139128)

[30] US (62/292,884) 2016-02-09

[30] US (62/410,411) 2016-10-20

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,013,840**

[13] C

- [51] **Int.Cl. D01D 5/38 (2006.01) D01D 5/24 (2006.01) D01D 10/00 (2006.01)**
[25] EN
[54] **FILAMENT PRODUCTION DEVICE**
[54] **DISPOSITIF DE FABRICATION DE FILAMENTS**
[72] OECHSLE, DIETMAR, DE
[72] DAHLBERG, CHRISTIAN, DE
[72] MUELLER, ERIK, DE
[72] WIETSCHORKE, WERNER, DE
[72] KEY, STEFFEN, DE
[73] PALL CORPORATION, US
[85] 2018-08-07
[86] 2017-02-10 (PCT/EP2017/053058)
[87] (WO2017/137593)
[30] DE (10 2016 102 494.5) 2016-02-12

[11] **3,013,915**

[13] C

- [51] **Int.Cl. B65D 5/36 (2006.01) B65D 5/49 (2006.01) B65D 37/00 (2006.01)**
[25] EN
[54] **CONTAINER ASSEMBLY HAVING A CELL ASSEMBLY THEREIN AND METHODS FOR FORMING**
[54] **ENSEMBLE FORMANT RECIPIENT COMPORTANT UN ENSEMBLE DE CELLULES DANS CELUI-CI ET PROCEDES DE FORMATION DE CELUI-CI**
[72] KORTMAN, CALVIN JAY, US
[73] ITB PACKAGING LLC, US
[85] 2018-08-07
[86] 2017-02-09 (PCT/US2017/017162)
[87] (WO2017/139456)
[30] US (62/292,890) 2016-02-09

[11] **3,014,242**

[13] C

- [51] **Int.Cl. B64C 25/66 (2006.01) B64C 25/06 (2006.01) B64C 25/36 (2006.01)**
[25] EN
[54] **AIRCRAFT LANDING GEAR AND METHOD**
[54] **TRAIN D'ATTERRISSAGE D'AERONEF ET METHODE**
[72] ROBINSON, ERIC BRIAN, CA
[73] E.B. ROBINSON LTD., CA
[85] 2018-08-10
[86] 2015-03-10 (PCT/CA2015/000147)
[87] (WO2016/141447)

[11] **3,014,326**

[13] C

- [51] **Int.Cl. A21D 8/02 (2006.01) A21D 10/02 (2006.01)**
[25] EN
[54] **BAKING LIPASES**
[54] **LIPASES POUR LA CUISSON AU FOUR**
[72] POP, CRISTINA, US
[72] HUSTON DAVENPORT, ADRIENNE, US
[72] LISZKA, MICHAEL, US
[72] TAN, XUQIU, US
[72] KUTSCHER, JOCHEN, DE
[72] FUNKE, ANDREAS, DE
[72] HAEFNER, STEFAN, DE
[72] SEITTER, MICHAEL FRIEDRICH HERMANN, DE
[73] BASF SE, DE
[85] 2018-08-10
[86] 2017-02-15 (PCT/US2017/017904)
[87] (WO2017/142904)
[30] US (62/297,582) 2016-02-19

[11] **3,014,336**

[13] C

- [51] **Int.Cl. F16L 33/01 (2006.01) F16L 53/37 (2018.01) F16L 11/12 (2006.01) F16L 11/127 (2006.01) F16L 11/20 (2006.01) F16L 25/02 (2006.01) F16L 33/34 (2006.01) F16L 35/00 (2006.01)**
[25] EN
[54] **AN ASSEMBLY COMPRISING AN END-FITTING FOR TERMINATING AN UNBONDED FLEXIBLE PIPE AND AN UNBONDED FLEXIBLE PIPE**
[54] **ENSEMBLE COMPRENANT UN RACCORD D'EXTREMITE DE TERMINAISON D'UN TUYAU SOUPLE SANS LIAISON, ET TUYAU SOUPLE SANS LIAISON**
[72] GLEJBOL, KRISTIAN, DK
[73] NATIONAL OILWELL VARCO DENMARK I/S, DK
[85] 2018-08-13
[86] 2017-02-15 (PCT/DK2017/050041)
[87] (WO2017/140321)
[30] DK (PA 2016 70081) 2016-02-15

[11] **3,014,436**

[13] C

- [51] **Int.Cl. C22C 38/12 (2006.01) C21D 8/00 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01)**
[25] EN
[54] **AUSTENITIC STEEL ALLOY**
[54] **ALLIAGE D'ACIER AUSTENITIQUE**
[72] CHIANG, MING-HUANG, CN
[72] HUANG, TING-YI, CN
[73] APOGEAN METAL CO., LTD., TW
[86] (3014436)
[87] (3014436)
[22] 2018-08-15
[30] CN (107123925) 2018-07-11

[11] **3,014,769**

[13] C

- [51] **Int.Cl. A61K 31/513 (2006.01) A61K 31/4412 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY WITH SORAFENIB OR REGORAFENIB AND A PHOSPHORAMIDATE PRODRUG OF TROXACITABINE**
[54] **TRAITEMENT D'ASSOCIATION UTILISANT DU SORAFENIB OU DU REGORAFENIB ET UN PROMEDICAMENT DE LA TROXACITABINE DE TYPE PHOSPHORAMIDATE**
[72] ALBERTELLA, MARK, SE
[72] ENEROTH, ANDERS, SE
[72] KLASSON, BJORN, SE
[72] OBERG, FREDRIK, SE
[72] OHD, JOHN, SE
[73] MEDIVIR AKTIEBOLAG, SE
[85] 2018-08-15
[86] 2017-02-28 (PCT/SE2017/050186)
[87] (WO2017/151044)
[30] SE (1650274-2) 2016-03-02
[30] SE (1651204-8) 2016-09-08

**Canadian Patents Issued
January 9, 2024**

[11] **3,016,015**
[13] C

[51] **Int.Cl. A61G 3/06 (2006.01) B60P 3/06 (2006.01)**
[25] EN
[54] **PLATFORM ENTRANCE GATE SAFETY BARRIER FOR A MOBILITY VEHICLE LIFT**
[54] **BARRIERE DE SECURITE DE PORTE D'ENTREE DE PLATE-FORME POUR UN ELEVATEUR DE VEHICULE DE MOBILITE**
[72] BUDD, ALFRED LEWIS, II, US
[72] BETTCHER, ROBERT EARL, III, US
[73] THE BRAUN CORPORATION, US
[85] 2018-08-28
[86] 2017-02-28 (PCT/US2017/019823)
[87] (WO2017/151543)
[30] US (62/301,942) 2016-03-01

[11] **3,016,428**
[13] C

[51] **Int.Cl. H04N 5/14 (2006.01) G02B 27/10 (2006.01) G06T 5/50 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR HIGH DYNAMIC RANGE VIDEO**
[54] **DISPOSITIFS ET PROCEDES POUR UNE VIDEO A PLAGE DYNAMIQUE ELEVEE**
[72] KISER, WILLIE C., US
[72] TOCCI, NORA, US
[72] TOCCI, MICHAEL D., US
[73] CONTRAST, INC., US
[85] 2018-08-31
[86] 2017-02-10 (PCT/US2017/017396)
[87] (WO2017/139596)
[30] US (62/294,820) 2016-02-12
[30] US (15/169,006) 2016-05-31
[30] US (62/409,053) 2016-10-17

[11] **3,016,848**
[13] C

[51] **Int.Cl. H04W 28/18 (2009.01) H04W 28/24 (2009.01) G10L 19/00 (2013.01)**
[25] EN
[54] **USER EQUIPMENT, BASE STATION AND CODEC MODE SWITCHING METHOD**
[54] **EQUIPEMENT UTILISATEUR, STATION DE BASE ET PROCEDE DE COMMUTATION DE MODE CODEUR-DECODEUR**
[72] HORI, TAKAKO, JP
[72] BASU MALLICK, PRATEEK, DE
[72] SUZUKI, HIDETOSHI, JP
[72] HORIUCHI, AYAKO, JP
[72] LOEHR, JOACHIM, DE
[73] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2018-09-06
[86] 2017-02-02 (PCT/JP2017/003779)
[87] (WO2017/169090)
[30] JP (2016-064107) 2016-03-28
[30] JP (2016-095935) 2016-05-12

[11] **3,017,434**
[13] C

[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/02 (2006.01) C12M 1/12 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **A BIOREACTOR SYSTEM AND METHOD THEREOF**
[54] **SYSTEME DE BIOREACTEUR ET SON PROCEDE**
[72] PATEL, RAVINDRAKUMAR DHIRUBHAI, IN
[73] OMNIBRX BIOTECHNOLOGIES PRIVATE LIMITED, IN
[85] 2018-09-11
[86] 2016-10-04 (PCT/IN2016/050336)
[87] (WO2017/158611)
[30] IN (201621008865) 2016-03-14

[11] **3,017,898**
[13] C

[51] **Int.Cl. F23D 14/46 (2006.01) F23D 14/02 (2006.01) F24D 5/02 (2006.01)**
[25] EN
[54] **PRE-MIX BURNER ASSEMBLY FOR LOW NOX EMISSION FURNACE**
[54] **ENSEMBLE DE BRULEUR A PREMELANGE POUR FOUR A FAIBLE EMISSION DE NOX**
[72] PEREZ, ERIC, US
[72] POIRIER, RANDAL, US
[72] CHANTHALANGSY, ERIC, US
[72] SCHNEIDER, STEVEN, US
[72] KOWALD, GLENN W., US
[72] BURMANIA, IAN, US
[73] LENNOX INDUSTRIES INC., US
[86] (3017898)
[87] (3017898)
[22] 2018-09-19
[30] US (15/723,284) 2017-10-03

[11] **3,017,931**
[13] C

[51] **Int.Cl. A23K 40/30 (2016.01) A61K 9/51 (2006.01)**
[25] FR
[54] **NANOCAPSULES COMPRISING A LIPOSOLUBLE ACTIVE INGREDIENT, PRODUCTION AND USES**
[54] **NANOCAPSULES DE PRINCIPE ACTIF LIPOSOLUBLE, FABRICATION ET UTILISATIONS**
[72] PREVERAUD, DAMIEN, FR
[72] ROSILIO, VERONIQUE, FR
[73] ADISSEO FRANCE S.A.S., FR
[85] 2018-09-14
[86] 2017-03-17 (PCT/FR2017/050622)
[87] (WO2017/162963)
[30] FR (16/52592) 2016-03-25

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,018,218**

[13] C

- [51] **Int.Cl. A23L 5/20 (2016.01) C01D 5/16 (2006.01) C07K 14/415 (2006.01)**
[25] EN
[54] **CORN PROTEIN PRODUCT HAVING DECREASED FREE SULFITE LEVELS & METHOD FOR MANUFACTURING SAME**
[54] **PRODUIT DE PROTEINE DE MAIS AUX TAUX DE SULFITE LIBRE REDUITS ET PROCEDE DE FABRICATION ASSOCIE**
[72] PORTER, MICHAEL A., US
[72] YEHA, HADI NAYEF, US
[72] ZHENG, GUO-HUA, US
[73] CARGILL, INCORPORATED, US
[85] 2018-09-18
[86] 2017-03-24 (PCT/US2017/023988)
[87] (WO2017/165748)
[30] US (62/312,798) 2016-03-24

[11] **3,018,219**

[13] C

- [51] **Int.Cl. A23L 5/20 (2016.01) C01D 5/16 (2006.01) C07K 14/415 (2006.01)**
[25] EN
[54] **CORN PROTEIN CONCENTRATE AND METHODS OF MANUFACTURING SAME**
[54] **CONCENTRE DE PROTEINE DE MAIS ET SES PROCEDES DE FABRICATION**
[72] CHEN, YUMIN, US
[72] PETERS, EUGENE MAX, JR., US
[72] PORTER, MICHAEL A., US
[72] WILSON, CRAIG A., US
[72] YEHA, HADI NAYEF, US
[72] ZHENG, GUO-HUA, US
[73] CARGILL, INCORPORATED, US
[85] 2018-09-18
[86] 2017-03-24 (PCT/US2017/023999)
[87] (WO2017/165756)
[30] US (62/312,867) 2016-03-24

[11] **3,018,811**

[13] C

- [51] **Int.Cl. C04B 28/02 (2006.01) C04B 20/10 (2006.01) C04B 40/06 (2006.01)**
[25] EN
[54] **SILICA-COATED EXPANDING AGENTS AND THEIR USE IN CEMENTITIOUS SYSTEMS**
[54] **AGENTS D'EXPANSION EN ROBES DE SILICE ET LEUR UTILISATION DANS DES SYSTEMES CIMENTAIRES**
[72] KIERAT, RADOSLAW, DE
[72] MUELLER, MICHAEL KLEMENS, DE
[72] KEMPTER, ANDREAS, DE
[72] LAFUENTE CERDA, OSCAR, DE
[72] BERGNER, KAI, DE
[73] BASF SE, DE
[85] 2018-09-24
[86] 2017-04-07 (PCT/EP2017/058408)
[87] (WO2017/182296)
[30] EP (16165787.9) 2016-04-18

[11] **3,019,404**

[13] C

- [51] **Int.Cl. B60P 1/16 (2006.01) B60P 1/34 (2006.01)**
[25] EN
[54] **VEHICLE WITH A TILTABLE MATERIAL COLLECTING CONTAINER AS WELL AS AN EMPTYING MODULE**
[54] **VEHICULE DOTE D'UNE BENNE A MATERIAUX BASCULANTE AINSI QUE MODULE DE DECHARGEMENT**
[72] RENGER, MARINA, DE
[72] RENGER, KARL-HEINZ, DE
[72] GRABER, JENS, DE
[73] RSP GMBH & CO. KG, DE
[85] 2018-09-28
[86] 2017-03-21 (PCT/EP2017/056740)
[87] (WO2017/167609)
[30] DE (10 2016 105 849.1) 2016-03-31

[11] **3,019,430**

[13] C

- [51] **Int.Cl. E02F 3/88 (2006.01) B60P 1/64 (2006.01) E02F 9/08 (2006.01)**
[25] EN
[54] **MATERIAL COLLECTION CONTAINER OF A SUCTION EXCAVATOR**
[54] **RECIPIENT DE COLLECTE DE MATIERE D'UNE DRAGUE SUCEUSE**
[72] RENGER, KARL-HEINZ, DE
[72] RENGER, MARINA, DE
[72] GRABER, JENS, DE
[73] RSP GMBH & CO. KG, DE
[85] 2018-09-28
[86] 2017-03-22 (PCT/EP2017/056883)
[87] (WO2017/167625)
[30] DE (10 2016 105 850.5) 2016-03-31

[11] **3,019,494**

[13] C

- [51] **Int.Cl. A47C 19/02 (2006.01) A47C 31/10 (2006.01) A47G 9/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE HEIGHT BED SKIRT**
[54] **JUPE DE LIT REGLABLE EN HAUTEUR**
[72] STEWART, RICHARD, US
[73] STANDARD TEXTILE CO., INC., US
[86] (3019494)
[87] (3019494)
[22] 2018-10-02
[30] US (62/567,839) 2017-10-04

[11] **3,019,748**

[13] C

- [51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/14 (2017.01)**
[25] EN
[54] **OPHTHALMIC COMPOSITION COMPRISING PVP-I**
[54] **COMPOSITION OPHTHALMIQUE CONTENANT DE LA PVP-I**
[72] ALEO, DANILO, IT
[72] CRO, MELINA, IT
[72] MANGIAFICO, SERGIO, IT
[72] MELILLI, BARBARA, IT
[72] SAITA, MARIA GRAZIA, IT
[73] MEDIVIS S.R.L., IT
[85] 2018-10-02
[86] 2017-02-17 (PCT/IB2017/050911)
[87] (WO2017/175075)
[30] IT (102016000036442) 2016-04-08

**Canadian Patents Issued
January 9, 2024**

[11] **3,020,231**
[13] C

[51] **Int.Cl. C23F 11/14 (2006.01) C23F 11/16 (2006.01)**
[25] EN
[54] **NITROGEN SUBSTITUTED AROMATIC TRIAZOLES AS CORROSION CONTROL AGENTS**
[54] **TRIAZOLES AROMATIQUES SUBSTITUES PAR DE L'AZOTE EN TANT QU'AGENTS DE REGULATION DE CORROSION**
[72] NAGU, MUTHUKUMAR, IN
[72] NAGARAJAN, AMUTHA, IN
[72] FRAIL, PAUL ROBERT, US
[72] URANKAR, EDWARD JOSEPH, US
[73] BL TECHNOLOGIES, INC., US
[85] 2018-10-04
[86] 2017-05-10 (PCT/US2017/032042)
[87] (WO2017/197047)
[30] IN (201641016305) 2016-05-10

[11] **3,020,401**
[13] C

[51] **Int.Cl. G06F 3/01 (2006.01) G02B 30/34 (2020.01) G02B 27/01 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RECEIVING USER INPUT IN VIRTUAL/AUGMENTED REALITY**
[54] **SYSTEME ET METHODE DE RECEPTION D'ENTREES D'UTILISATEUR DANS UN SYSTEME DE REALITE VIRTUELLE ET AUGMENTEE**
[72] SUTTER, LEVI, CA
[72] NAVARRO, MIGUEL, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (3020401)
[87] (3020401)
[22] 2018-10-11
[30] US (16/131,647) 2018-09-14

[11] **3,020,461**
[13] C

[51] **Int.Cl. C12C 13/10 (2006.01)**
[25] EN
[54] **MINIBREWERY**
[54] **MICRO-BRASSERIE**
[72] VAN DE KOUIJ, BART, NL
[72] VAN OORD, OLIVIER, NL
[73] MINIBREW HOLDING B.V., NL
[85] 2018-10-10
[86] 2017-04-13 (PCT/EP2017/058974)
[87] (WO2017/178607)
[30] NL (2016597) 2016-04-13

[11] **3,020,467**
[13] C

[51] **Int.Cl. G01S 17/02 (2020.01) G01S 17/89 (2020.01) G01S 15/86 (2020.01) G01S 13/86 (2006.01)**
[25] EN
[54] **LASER SCANNER**
[54] **SCANNER LASER**
[72] RIEGER, PETER, AT
[72] ULLRICH, ANDREAS, AT
[73] RIEGL LASER MEASUREMENT SYSTEMS GMBH, AT
[85] 2018-10-10
[86] 2017-02-03 (PCT/AT2017/060015)
[87] (WO2017/177246)
[30] AT (A 50334/2016) 2016-04-15

[11] **3,020,540**
[13] C

[51] **Int.Cl. C23F 11/10 (2006.01) C02F 5/04 (2006.01) C02F 5/14 (2006.01) C23F 11/12 (2006.01) C23F 11/14 (2006.01) C23F 11/18 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR INHIBITING CORROSION**
[54] **COMPOSITION ET PROCEDE D'INHIBITION DE LA CORROSION**
[72] DREWNIK, MARTA, US
[72] STEIMEL, LYLE H., US
[73] NCH CORPORATION, US
[85] 2018-10-10
[86] 2017-03-30 (PCT/US2017/024885)
[87] (WO2017/180328)
[30] US (62/322,616) 2016-04-14
[30] US (62/363,574) 2016-07-18
[30] US (15/273,158) 2016-09-22

[11] **3,020,575**
[13] C

[51] **Int.Cl. F16B 5/02 (2006.01) F16B 37/04 (2006.01) H02G 15/10 (2006.01)**
[25] EN
[54] **COUPLER FOR ATTACHING A CONDUIT TO A WALL**
[54] **ACCOUPLLEMENT POUR ATTACHER UN CONDUIT A UNE PAROI**
[72] PERNOT, MATTHEW THOMAS, US
[72] PLATT, JOSEPH EDWARD, US
[72] CHENEY, ERIC PERRY, US
[72] SCARLATA, ANDREW FRANCIS, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2018-10-10
[86] 2017-04-12 (PCT/US2017/027198)
[87] (WO2017/180737)
[30] US (62/321,374) 2016-04-12

[11] **3,020,887**
[13] C

[51] **Int.Cl. H01M 8/04 (2016.01) H01M 8/06 (2016.01) H01M 8/08 (2016.01) H01M 8/18 (2006.01) H01M 10/42 (2006.01)**
[25] EN
[54] **THREE-CHAMBER ELECTROCHEMICAL BALANCING CELLS FOR SIMULTANEOUS MODIFICATION OF STATE OF CHARGE AND ACIDITY WITHIN A FLOW BATTERY**
[54] **CELLULES D'EQUILIBRAGE ELECTROCHIMIQUE A TROIS CHAMBRES POUR MODIFICATION SIMULTANEE DE L'ETAT DE CHARGE ET DE L'ACIDITE A L'INTERIEUR D'UNE BATTERIE A CIRCULATION**
[72] PIJPER, JOSEPH JOHANNES HENRICUS, US
[73] LOCKHEED MARTIN ENERGY, LLC, US
[85] 2018-10-11
[86] 2017-04-18 (PCT/US2017/028191)
[87] (WO2017/189282)
[30] US (15/143,344) 2016-04-29

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,021,166**
[13] C

[51] **Int.Cl. C12N 15/56 (2006.01) C07K 14/37 (2006.01) C07K 19/00 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 9/24 (2006.01) C12N 9/42 (2006.01) C12N 15/31 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/81 (2006.01) C12P 19/14 (2006.01)**

[25] EN

[54] **HETEROLOGOUS EXPRESSION OF FUNGAL CELLOBIOHYDROLASES IN YEAST**

[54] **EXPRESSION HETEROLOGUE DE CELLOBIOHYDROLASES FONGIQUES DANS LA LEVURE**

[72] DEN HAAN, RIAAN, ZA
[72] VAN ZYL, EMILE, ZA
[72] LAGRANGE, DANIE, ZA
[73] UNIVERSITEIT STELLENBOSCH, ZA
[73] UNIVERSITEIT STELLENBOSCH, ZA

[86] (3021166)
[87] (3021166)
[22] 2009-05-11
[62] 2,724,076
[30] US (61/052,213) 2008-05-11

[11] **3,021,300**
[13] C

[51] **Int.Cl. A47J 36/32 (2006.01)**

[25] FR

[54] **COOKING APPARATUS AND METHOD OF USING THE COOKING APPARATUS**

[54] **APPAREIL DE CUISSON ET PROCEDE D'UTILISATION DE L'APPAREIL DE CUISSON**

[72] BLOND, LAURENT, FR
[72] VOLATIER, SEBASTIEN, FR
[72] LETERRIER, THOMAS, FR
[73] SEB S.A., FR

[85] 2018-10-16
[86] 2017-04-28 (PCT/FR2017/051029)
[87] (WO2017/191396)
[30] FR (1653988) 2016-05-03

[11] **3,021,606**
[13] C

[51] **Int.Cl. C01B 39/48 (2006.01) B01J 29/70 (2006.01)**

[25] EN

[54] **MOLECULAR SIEVE, METHOD FOR MANUFACTURE THEREOF, AND APPLICATION THEREOF**

[54] **TAMIS MOLECULAIRE, SON PROCEDE DE FABRICATION ET SON APPLICATION**

[72] WANG, YONGRUI, CN
[72] ZHU, JINCHENG, CN
[72] SUN, MINGYI, CN
[72] MU, XUHONG, CN
[72] SHU, XINGTIAN, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[73] RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC, CN

[85] 2018-10-19
[86] 2017-04-26 (PCT/CN2017/000327)
[87] (WO2017/185820)
[30] CN (201610267143.8) 2016-04-27
[30] CN (201610267141.9) 2016-04-27
[30] CN (201611204950.1) 2016-12-23

[11] **3,022,530**
[13] C

[51] **Int.Cl. A23L 2/38 (2021.01) A23L 7/104 (2016.01) A23L 33/21 (2016.01) A23L 2/52 (2006.01) C12C 7/00 (2006.01)**

[25] EN

[54] **BEVERAGES CONTAINING BARLEY .BETA.-GLUCAN**

[54] **BOISSONS CONTENANT DU BETA-GLUCANE D'ORGE**

[72] MOLLER, BIRTHE, DK
[72] MIKKELSEN, METTE SKAU, DK
[72] JENSEN, MORTEN GEORG, DK
[72] GOJKOVIC, ZORAN, DK
[73] CARLSBERG BREWERIES A/S, DK
[73] UNIVERSITY OF COPENHAGEN, DK

[85] 2018-10-29
[86] 2017-05-02 (PCT/EP2017/060376)
[87] (WO2017/191109)
[30] DK (PA 2016 70285) 2016-05-02

[11] **3,022,872**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7105 (2006.01)**

[25] EN

[54] **RNA COMPLEXES THAT INHIBIT MELANIN PRODUCTION**

[54] **COMPLEXES D'ARN QUI INHIBENT LA PRODUCTION DE MELANINE**

[72] HONG, SUN, WOO, KR
[72] HONG, ISU, KR
[72] KIM, JI, HYUN, KR
[73] OLIX PHARMACEUTICALS, INC., KR

[85] 2018-11-01
[86] 2016-07-26 (PCT/IB2016/001169)
[87] (WO2017/017523)
[30] US (62/197,370) 2015-07-27

[11] **3,024,004**
[13] C

[51] **Int.Cl. A61K 6/889 (2020.01) A61K 6/30 (2020.01) A61K 6/54 (2020.01) A61K 6/00 (2020.01)**

[25] EN

[54] **POLYMERIZABLE DENTAL COMPOSITION COMPRISING A POLYMERIZABLE ALLYL AMIDE COMPOUND**

[54] **COMPOSITION DENTAIRE POLYMERISABLE COMPRENANT UN COMPOSE D'AMIDE D'ALLYLE POLYMERISABLE**

[72] FIK, CHRISTOPH, CH
[72] MAIER, MAXIMILIAN, DE
[72] KLEE, JOACHIM E., DE
[73] DENTSPLY DETREY GMBH, DE

[85] 2018-11-13
[86] 2017-05-19 (PCT/EP2017/062152)
[87] (WO2017/198840)
[30] EP (16170375.6) 2016-05-19

**Canadian Patents Issued
January 9, 2024**

[11] **3,025,191**
[13] C

[51] **Int.Cl. C02F 3/12 (2006.01) C02F 1/28 (2006.01) C02F 3/28 (2006.01) C02F 3/30 (2006.01)**

[25] EN

[54] **METHOD OF COMBINING RECUPERATIVE DIGESTION WITH A CONTACT TANK AND DISSOLVED AIR FLOTATION**

[54] **PROCEDE PERMETTANT DE COMBINER LA DIGESTION PAR RECUPERATION AVEC UN RESERVOIR DE CONTACT ET LA FLOTTATION A L'AIR DISSOUS**

[72] SMITH, GEORGE W, US

[73] EVOQUA WATER TECHNOLOGIES LLC, US

[85] 2018-11-21

[86] 2017-06-06 (PCT/US2017/036140)

[87] (WO2017/218239)

[30] US (62/350,938) 2016-06-16

[11] **3,025,263**
[13] C

[51] **Int.Cl. C08F 4/659 (2006.01) B01J 31/12 (2006.01) B01J 31/26 (2006.01) B01J 31/38 (2006.01) C08F 4/42 (2006.01) C08F 4/64 (2006.01) C08F 4/654 (2006.01)**

[25] EN

[54] **NON-PHTHALATE DONOR FOR POLYOLEFIN CATALYSTS**

[54] **DONNEUR NON PHTALATE POUR CATALYSEURS POLYOLEFINIQUES**

[72] NGUYEN, BINH THANH, US

[72] FERNANDES, JONAS ALVES, US

[72] MARIN, VLADIMIR P., US

[72] PATEL, MUSHTAQ AHMED, IN

[73] BRASKEM AMERICA, INC., US

[85] 2018-11-22

[86] 2016-05-26 (PCT/US2016/034431)

[87] (WO2017/204811)

[30] US (62/340,347) 2016-05-23

[11] **3,025,600**
[13] C

[51] **Int.Cl. C11B 1/02 (2006.01) A23K 10/12 (2016.01) A23K 20/158 (2016.01) A23L 33/115 (2016.01) C12P 7/6427 (2022.01) A23D 9/00 (2006.01) C07C 51/42 (2006.01) C11B 1/10 (2006.01) C11B 3/00 (2006.01) C12N 1/12 (2006.01)**

[25] EN

[54] **METHOD FOR EXTRACTING A MICROBIAL OIL COMPRISING POLYUNSATURATED FATTY ACIDS FROM A FERMENTATION BROTH CONTAINING OLEAGINOUS MICROORGANISMS**

[54] **PROCEDE D'EXTRACTION D'UNE HUILE MICROBIENNE COMPRENANT DES ACIDES GRAS POLYINSATURES A PARTIR D'UN BOUILLON DE FERMENTATION CONTENANT DES MICRO-ORGANISMES OLEAGINEUX**

[72] CHERINKO, STEPHEN ROBERT, US

[72] DERNEDDE, MATTHIAS, DE

[72] DIEHL, MICHAEL, DE

[72] DONG, XIAO DANIEL, US

[72] JOHNSON, MICHAEL BENJAMIN, US

[72] KERTIS, ROBERT CODY, US

[72] LEBERT, JOCHEN, DE

[72] LEININGER, NEIL FRANCIS, US

[72] MATTHEWS, KIRT LYVELL, US

[72] PFEIFER, HOLGER, DE

[72] PRIEFERT, HORST, DE

[72] RABE, CHRISTIAN, DE

[72] RESOP, SHANNON ELIZABETH ETHIER, US

[72] WINDAU, JOACHIM, DE

[72] VERKOEIJEN, DANIEL, US

[72] ZAVODSKY, GABRIEL, SK

[73] DSM IP ASSETS B.V., NL

[73] EVONIK OPERATIONS GMBH, DE

[85] 2018-11-23

[86] 2017-07-12 (PCT/US2017/041686)

[87] (WO2018/013670)

[30] US (62/361,770) 2016-07-13

[11] **3,026,581**
[13] C

[51] **Int.Cl. F27B 7/38 (2006.01) C04B 7/47 (2006.01) F27D 15/02 (2006.01) F28D 11/04 (2006.01)**

[25] EN

[54] **ROTARY COOLER AND METHOD FOR OPERATING A ROTARY COOLER**

[54] **REFROIDISSEUR ROTATIF ET METHODE D'EXPLOITATION D'UN REFROIDISSEUR ROTATIF**

[72] TROJOSKY, MATHIAS, DE

[72] KIRCHNER, KARSTEN, DE

[73] ALLGAIER WERKE GMBH, DE

[85] 2018-12-05

[86] 2017-06-12 (PCT/EP2017/000687)

[87] (WO2017/215784)

[30] DE (10 2016 007 221.0) 2016-06-14

[11] **3,026,591**
[13] C

[51] **Int.Cl. B29D 99/00 (2010.01) B29C 65/70 (2006.01) B29C 70/44 (2006.01) B29C 70/54 (2006.01)**

[25] EN

[54] **METHOD OF MANUFACTURING A WIND TURBINE BLADE**

[54] **PROCEDE DE FABRICATION DE PALE D'EOLIENNE**

[72] NIELSEN, LARS, DK

[73] LM WP PATENT HOLDING A/S, DK

[85] 2018-12-05

[86] 2017-06-13 (PCT/EP2017/064402)

[87] (WO2017/216155)

[30] EP (16174361.2) 2016-06-14

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,026,706**
[13] C

[51] **Int.Cl. A61K 47/32 (2006.01) A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 31/194 (2006.01) A61K 47/34 (2017.01)**

[25] EN

[54] **TRANSMEMBRANE PH-GRADIENT POLYMERSOMES AND THEIR USE IN THE SCAVENGING OF AMMONIA AND ITS METHYLATED ANALOGS**

[54] **POLYMERSOMES A GRADIENT DE PH TRANSMEMBRANAIRE ET LEUR UTILISATION DANS LE PIEGEAGE DE L'AMMONIAC ET DE SES ANALOGUES METHYLES**

[72] LEROUX, JEAN-CHRISTOPHE, CH

[72] MATOORI, SIMON, CH

[72] SCHMIDT, AARON CHRISTOPH, CH

[73] ETH ZURICH, CH

[85] 2018-12-05

[86] 2017-08-15 (PCT/IB2017/054966)

[87] (WO2018/033856)

[30] EP (16184371.9) 2016-08-16

[30] EP (16200067.3) 2016-11-22

[30] EP (16203817.8) 2016-12-13

[11] **3,027,361**
[13] C

[51] **Int.Cl. F21V 25/12 (2006.01) F21K 9/20 (2016.01) F21V 15/01 (2006.01)**

[25] EN

[54] **EXPLOSION-PROOF ENCLOSURES INCLUDING LIGHT TRANSMISSIVE PORTIONS**

[54] **ENCEINTES ANTIDÉFLAGRANTES COMPRENANT DES PARTIES DE TRANSMISSION DE LA LUMIÈRE**

[72] TAYLOR, JESSE WADE, US

[72] MANAHAN, JOSEPH MICHAEL, US

[72] SCARLATA, ANDREW FRANCIS, US

[73] EATON INTELLIGENT POWER LIMITED, IE

[73] EATON INTELLIGENT POWER LIMITED, IE

[85] 2018-12-11

[86] 2017-06-13 (PCT/US2017/037263)

[87] (WO2017/218543)

[30] US (62/349,512) 2016-06-13

[11] **3,027,701**
[13] C

[51] **Int.Cl. A62D 1/00 (2006.01)**

[25] EN

[54] **COMPOSITION FOR FIRE EXTINGUISHANT**

[54] **COMPOSITION POUR AGENT EXTINCTEUR**

[72] SHAH, RAHUL ABHAYKUMAR, IN

[73] ACHUK ENVIRONMENTAL SOLUTIONS PVT. LTD., IN

[85] 2018-12-13

[86] 2017-04-03 (PCT/IN2017/050126)

[87] (WO2017/216806)

[30] IN (201621020712) 2016-06-16

[11] **3,027,753**
[13] C

[51] **Int.Cl. B65D 85/10 (2006.01) A24F 15/12 (2006.01) B23B 15/00 (2006.01) B65D 5/62 (2006.01) B65D 65/42 (2006.01) B65D 81/24 (2006.01)**

[25] EN

[54] **PACKAGE WRAPPING INCLUDING PLA FILM WITH MOISTURE BARRIER BY ATOMIC LAYER DEPOSITION**

[54] **EMBALLAGE DE PAQUET COMPRENANT UN FILM DE PLA BARRIÈRE A L'HUMIDITÉ PAR DÉPÔT DE COUCHE ATOMIQUE**

[72] SEBASTIAN, ANDRIES DON, US

[72] SNECK, SAMI ILMARI, FI

[72] SODERLUND, MIKKO JUHANI, FI

[73] R.J. REYNOLDS TOBACCO PRODUCTS, US

[85] 2018-12-13

[86] 2017-06-30 (PCT/US2017/040361)

[87] (WO2018/013367)

[30] US (15/208,352) 2016-07-12

[11] **3,028,927**
[13] C

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/23 (2006.01)**

[25] EN

[54] **THERMOSTABLE FORMULATION OF BIOLOGICALLY ACTIVE SUBSTANCES**

[54] **FORMULATION THERMOSTABLE DE SUBSTANCES BIOLOGIQUEMENT ACTIVES**

[72] GIZURARSON, SVEINBJORN, IS

[72] HELGADOTTIR, HELGA, IS

[72] KRISTMUNDSDOTTIR, THORDIS, IS

[73] CAPRETTO EHF., IS

[85] 2018-12-20

[86] 2017-06-19 (PCT/IS2017/050009)

[87] (WO2017/221275)

[30] IS (050153) 2016-06-20

[11] **3,029,102**
[13] C

[51] **Int.Cl. B32B 9/06 (2006.01) B32B 15/12 (2006.01) B32B 15/20 (2006.01) B32B 27/10 (2006.01) B32B 27/30 (2006.01) B32B 29/00 (2006.01)**

[25] EN

[54] **A METHOD OF PRODUCING A PACKAGING MATERIAL FOR A RETORTABLE PACKAGE**

[54] **PROCÉDE DE PRODUCTION DE MATÉRIAU D'EMBALLAGE SERVANT A UN EMBALLAGE STÉRILISABLE**

[72] LINDSTEDT, MIKAEL, SE

[72] LARSSON, JOHAN, SE

[72] TUFVESSON, HELENA, SE

[72] KARLSSON, ANDERS, SE

[73] TETRA LAVAL HOLDINGS & FINANCE S.A., CH

[85] 2018-12-21

[86] 2017-06-21 (PCT/EP2017/065254)

[87] (WO2017/220662)

[30] EP (16175961.8) 2016-06-23

**Canadian Patents Issued
January 9, 2024**

[11] **3,029,203**
[13] C

[51] **Int.Cl. B66D 1/00 (2006.01) B63H 9/10 (2006.01) B66D 1/08 (2006.01) B66D 1/12 (2006.01) B66D 1/14 (2006.01) B66D 1/22 (2006.01) B66D 1/28 (2006.01) B66D 1/36 (2006.01) B66D 1/38 (2006.01) B66D 1/44 (2006.01)**

[25] EN
[54] **CLUTCH MECHANISM**
[54] **MECANISME D'EMBRAYAGE**
[72] BEHRENS, RANDALL DEAN, US
[72] ROMAN, KEVIN JAMES, US
[73] PREMIER COIL SOLUTIONS, INC., US
[85] 2018-12-21
[86] 2017-06-14 (PCT/US2017/037445)
[87] (WO2017/222890)
[30] US (15/190,702) 2016-06-23

[11] **3,030,106**
[13] C

[51] **Int.Cl. G01C 3/08 (2006.01) G01B 11/02 (2006.01)**

[25] EN
[54] **ADJUSTABLE LASER LEVELING DEVICE WITH DISTANCE MEASURING LASERS AND SELF-LEVELING LASERS AND RELATED METHOD**
[54] **DISPOSITIF DE NIVELLEMENT LASER REGLABLE AVEC LASERS DE MESURE DE DISTANCE ET LASERS A AUTO-NIVELLEMENT ET PROCEDE ASSOCIE**
[72] HILL, JAYSON, US
[73] SURE HANG, LLC, US
[85] 2019-01-07
[86] 2016-07-07 (PCT/US2016/041295)
[87] (WO2018/009193)

[11] **3,034,856**
[13] C

[51] **Int.Cl. H01M 50/247 (2021.01) H01M 50/284 (2021.01) H01M 10/44 (2006.01) H01M 10/48 (2006.01) H02J 7/00 (2006.01)**

[25] EN
[54] **A REPLACEABLE SMART BATTERY PACK, A BATTERY PACK HOLDER AND A MOBILE POWER SUPPLY SYSTEM**
[54] **BLOC-BATTERIE INTELLIGENT REMPLACABLE, SUPPORT DE BLOC-BATTERIE ET SYSTEME D'ALIMENTATION ELECTRIQUE MOBILE**
[72] PLOEG, ROBERT WILHELMUS, NL
[72] SLY-JEX, MARTYN DAVID, NL
[72] DERIKX, JOHANNES JOSEPH GREGORIUS, NL
[73] DCPOWER HOLDING B.V., NL
[85] 2019-02-22
[86] 2017-08-07 (PCT/NL2017/050528)
[87] (WO2018/044154)
[30] NL (2017395) 2016-08-30

[11] **3,036,005**
[13] C

[51] **Int.Cl. F21K 9/60 (2016.01) F21K 9/23 (2016.01) F21V 9/08 (2018.01) F21V 13/02 (2006.01)**

[25] EN
[54] **LED LAMP**
[54] **LAMPE A DIODE ELECTROLUMINESCENTE**
[72] ZHANG, WENJIANG, CN
[72] ZHU, RUOJIAN, CN
[73] SAVANT TECHNOLOGIES LLC, US
[86] (3036005)
[87] (3036005)
[22] 2019-03-07
[30] CN (201810200947.5) 2018-03-12

[11] **3,036,818**
[13] C

[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/00 (2006.01)**

[25] EN
[54] **PRESSURE JACKET HAVING SYRINGE RETAINING ELEMENT**
[54] **ENVELOPPE DE PRESSION AYANT UN ELEMENT DE RETENUE DE SERINGUE**
[72] SPOHN, MICHAEL, US
[72] COWAN, KEVIN, US
[72] TUCKER, BARRY, US
[72] JOHNSTON, GREGORY, US
[72] MCDERMOTT, MICHAEL, US
[72] DEDIG, JAMES, US
[73] BAYER HEALTHCARE LLC, US
[85] 2019-03-13
[86] 2017-09-14 (PCT/US2017/051473)
[87] (WO2018/053074)
[30] US (62/395,684) 2016-09-16

[11] **3,038,771**
[13] C

[51] **Int.Cl. E02D 5/56 (2006.01) B21K 1/06 (2006.01)**

[25] EN
[54] **HELICAL PIER WITH THICKENED HEXAGONAL COUPLING ENDS AND METHOD OF MANUFACTURE**
[54] **PILIER HELICOIDAL AYANT DES EXTREMITES DE RACCORDEMENT HEXAGONALES EPAISSIES ET METHODE DE FABRICATION**
[72] RONNKVIST, THOMAS M., US
[73] RONNKVIST, THOMAS M., US
[86] (3038771)
[87] (3038771)
[22] 2019-04-02
[30] US (16/372,267) 2019-04-01
[30] US (62/792,286) 2019-01-14
[30] US (62/753,219) 2018-10-31
[30] US (62/651,955) 2018-04-03

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,039,251**
[13] C

[51] **Int.Cl. C07D 263/04 (2006.01) A61K 9/14 (2006.01) A61K 31/7088 (2006.01) A61K 39/00 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61K 47/22 (2006.01) A61K 47/28 (2006.01) A61K 47/44 (2017.01) C07C 211/40 (2006.01) C07C 229/12 (2006.01) C07C 229/48 (2006.01) C07C 279/12 (2006.01) C07D 233/64 (2006.01) C07D 405/12 (2006.01)**

[25] EN

[54] **NOVEL LIPIDS AND COMPOSITIONS FOR THE DELIVERY OF THERAPEUTICS**

[54] **NOUVEAUX LIPIDES ET NOUVELLES COMPOSITIONS POUR L'ADMINISTRATION D'AGENTS THERAPEUTIQUES**

[72] MANOHARAN, MUTHIAH, US

[72] JAYARAMAN, MUTHUSAMY, US

[72] RAJEEV, KALLANTHOTTATHIL G., US

[72] ELTEPU, LAXMAN, US

[72] ANSELL, STEVEN, US

[72] CHEN, JIANXIN, US

[73] ARBUTUS BIOPHARMA CORPORATION, US

[86] (3039251)

[87] (3039251)

[22] 2009-11-10

[62] 2,743,135

[30] US (61/113,179) 2008-11-10

[30] US (61/154,350) 2009-02-20

[30] US (61/171,439) 2009-04-21

[30] US (61/185,438) 2009-06-09

[30] US (61/225,898) 2009-07-15

[30] US (61/234,098) 2009-08-14

[11] **3,039,749**
[13] C

[51] **Int.Cl. E21B 27/00 (2006.01) E21B 43/08 (2006.01)**

[25] EN

[54] **DOWNHOLE DEBRIS COLLECTING DEVICE WITH A FILTER**

[54] **DISPOSITIF DE COLLECTE DE DEBRIS DE FOND DE TROU, COMPRENANT UN FILTRE**

[72] TOGE, GUNN ELIN, NO

[72] ANDERSEN, KRISTIAN, NO

[73] ALTUS INTERVENTION (TECHNOLOGIES) AS, NO

[85] 2019-04-08

[86] 2017-11-09 (PCT/NO2017/050288)

[87] (WO2018/088910)

[30] NO (20161789) 2016-11-11

[11] **3,040,215**
[13] C

[51] **Int.Cl. A47J 42/34 (2006.01) A24B 3/00 (2006.01) B02C 19/20 (2006.01)**

[25] EN

[54] **HERB GRINDER WITH ENHANCED GRINDING FEATURES**

[54] **MOULIN A FINES HERBES DOTE DE CARACTERISTIQUES DE BROYAGE AMELIOREES**

[72] SCHARF, EITAM, US

[72] SCHARF, IFTACH, US

[73] THE VIOLINA SYNDICATE, LLC, US

[86] (3040215)

[87] (3040215)

[22] 2019-04-12

[30] US (16/135,923) 2018-09-19

[11] **3,041,314**
[13] C

[51] **Int.Cl. A01N 25/30 (2006.01) A01N 37/10 (2006.01)**

[25] EN

[54] **ADJUVANT COMPOSITIONS FOR PLANT TREATMENT CHEMICALS**

[54] **COMPOSITIONS D'ADJUVANT POUR PRODUITS CHIMIQUES DE TRAITEMENT DE PLANTES**

[72] LEFILES, JAMES HOLT, US

[72] DAVIS, BILL, US

[73] PARAMOUNT PRODUCTS I LLC, US

[85] 2019-04-18

[86] 2017-10-26 (PCT/US2017/058476)

[87] (WO2018/085106)

[30] US (62/606,130) 2016-11-02

[30] US (62/440,794) 2016-12-30

[30] US (62/445,124) 2017-01-11

[11] **3,042,328**
[13] C

[51] **Int.Cl. H04N 21/84 (2011.01) H04N 21/43 (2011.01) H04N 21/482 (2011.01)**

[25] EN

[54] **ENRICHMENT SYSTEM OF VISUAL OR AUDIOVISUAL CONTENT PRODUCTS BY WAY OF METADATA AND RELATED ENRICHMENT METHOD**

[54] **SYSTEME D'ENRICHISSEMENT DE PRODUITS DE CONTENU VISUEL OU AUDIOVISUEL AU MOYEN DE METADONNEES ET PROCEDE D'ENRICHISSEMENT ASSOCIE**

[72] FALLERI, VALENTINA, IT

[72] GNASSO, STEFANO, IT

[72] DI CHIO, FEDERICO, IT

[72] COLANGELO, CRISTIANO, IT

[72] AVEZZU', GIORGIO, IT

[73] RETI TELEVISIVE ITALIANE S.P.A. IN FORMA ABBREVIATA R.T.I. S.P.A., IT

[85] 2019-04-30

[86] 2017-12-14 (PCT/EP2017/082917)

[87] (WO2018/122004)

[30] IT (102016000131936) 2016-12-29

[11] **3,042,717**
[13] C

[51] **Int.Cl. H04M 1/02 (2006.01) H04B 1/3888 (2015.01) A45C 11/00 (2006.01) G06F 1/16 (2006.01) H04M 1/18 (2006.01)**

[25] EN

[54] **PROTECTIVE ENCLOSURE FOR ENCASING AN ELECTRONIC DEVICE**

[54] **ENCEINTE DE PROTECTION POUR ABRITER UN DISPOSITIF ELECTRONIQUE**

[72] CAVENAGH, RYAN, US

[72] DENNIS, JEREMY, US

[72] MAGNESS, CAMERON, US

[72] WELLER, LUCAS, US

[72] SUN, HSIAO LU, US

[73] OTTER PRODUCTS, LLC, US

[85] 2019-05-02

[86] 2017-11-13 (PCT/US2017/061371)

[87] (WO2018/089926)

[30] US (62/421,478) 2016-11-14

**Canadian Patents Issued
January 9, 2024**

[11] **3,043,440**
[13] C

[51] **Int.Cl. H01B 3/00 (2006.01)**
[25] EN
[54] **ELECTRICAL FIELD GRADING MATERIAL AND USE THEREOF IN ELECTRICAL CABLE ACCESSORIES**
[54] **MATERIAU DE GRADATION DE CHAMP ELECTRIQUE ET SON UTILISATION DANS DES ACCESSOIRES DE CABLE ELECTRIQUE**
[72] CAIMI, LUIGI, IT
[72] POGLIANI, STEFANO, IT
[72] TROIA, IVAN, IT
[73] PRYSMIAN S.P.A., IT
[85] 2019-05-09
[86] 2016-11-15 (PCT/IB2016/056856)
[87] (WO2018/091941)

[11] **3,044,959**
[13] C

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/045 (2006.01) A61K 31/17 (2006.01) A61K 31/198 (2006.01) A61K 31/375 (2006.01) A61K 31/714 (2006.01) A61K 35/00 (2006.01)**
[25] EN
[54] **METHODS FOR THE EFFECTIVE TREATMENT OF METASTATIC CANCER IN PATIENTS**
[54] **METHODES DE TRAITEMENT EFFICACE DU CANCER METASTATIQUE CHEZ DES PATIENTS**
[72] GLAZIER, ARNOLD, US
[73] GENERAL ONCOLOGY, INC., US
[85] 2019-05-24
[86] 2016-12-06 (PCT/US2016/065079)
[87] (WO2017/100162)
[30] US (62/263,880) 2015-12-07

[11] **3,046,294**
[13] C

[51] **Int.Cl. F28F 27/00 (2006.01) F28B 11/00 (2006.01) G06F 17/00 (2019.01)**
[25] EN
[54] **CORROSION PROTECTION FOR AIR-COOLED CONDENSERS**
[54] **PROTECTION CONTRE LA CORROSION POUR CONDENSEURS REFROIDIS PAR AIR**
[72] DALE, TREVOR JAMES, US
[72] ROSSI, ANTHONY M., US
[72] TROSSBACH, ROBERT, US
[72] ROBINSON, GREGORY J., US
[73] BL TECHNOLOGIES, INC., US
[85] 2019-06-06
[86] 2016-12-21 (PCT/US2016/068047)
[87] (WO2018/118045)

[11] **3,048,778**
[13] C

[51] **Int.Cl. H01Q 13/02 (2006.01) H01Q 23/00 (2006.01)**
[25] EN
[54] **ANTENNA HORN, ANTENNA, AND ANTENNA ARRAY FOR A RADIATING PRINTED CIRCUIT BOARD, AND METHODS THEREFOR**
[54] **CORNET D'ANTENNE, ANTENNE ET RESEAU D'ANTENNES POUR UNE CARTE DE CIRCUITS IMPRIMES RAYONNANTE ET PROCEDES CORRESPONDANTS**
[72] WOOLRICH, KYLE A., US
[72] SPENCE, JAY STUART, US
[72] WU, SHIHCHANG, US
[73] THE BOEING COMPANY, US
[86] (3048778)
[87] (3048778)
[22] 2019-07-08
[30] US (16/108401) 2018-08-22

[11] **3,050,176**
[13] C

[51] **Int.Cl. A61B 5/00 (2006.01) G06T 7/00 (2017.01) A61B 5/055 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING A QUANTITATIVE VOLUMETRIC MAP OF AN ORGAN OR AN ASSESSMENT OF ORGAN HEALTH**
[54] **PROCEDE ET APPAREIL POUR FOURNIR UNE CARTE VOLUMETRIQUE QUANTITATIVE D'UN ORGANE OU UNE EVALUATION DE LA SANTE D'UN ORGANE**
[72] KELLY, MATTHEW, GB
[72] BRADY, MICHAEL, GB
[72] HARAMIJA, MARIJA, GB
[73] PERSPECTUM LTD, GB
[85] 2019-07-16
[86] 2018-01-19 (PCT/EP2018/051321)
[87] (WO2018/134357)
[30] GB (1701005.9) 2017-01-20

[11] **3,050,922**
[13] C

[51] **Int.Cl. G01N 15/00 (2024.01) E21B 49/08 (2006.01) E21B 43/267 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **DETECTION AND QUANTIFICATION OF PROPPANT FOR OPTIMIZED FRACTURE TREATMENT DESIGN IN IN-FILL AND NEW WELLS**
[54] **DETECTION ET QUANTIFICATION D'AGENT DE SOUTÈNEMENT POUR UNE CONCEPTION OPTIMISEE DE TRAITEMENT DE FRACTURE DANS DES PUITTS NOUVEAUX ET INTERCALAIRES**
[72] CIEZOBKA, JORDAN, US
[72] EISENLORD, SARAH, US
[72] MAITY, DEBOTYAM, US
[73] GAS TECHNOLOGY INSTITUTE, US
[85] 2019-07-18
[86] 2018-02-08 (PCT/US2018/017412)
[87] (WO2018/148400)
[30] US (62/456,282) 2017-02-08

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,052,633**
[13] C

[51] **Int.Cl. F24C 14/00 (2006.01) A21B 1/44 (2006.01) A21B 3/00 (2006.01) A21B 3/16 (2006.01) F24C 15/02 (2006.01) F24C 15/16 (2006.01)**

[25] EN

[54] **ROTISSERIE OVEN WITH IMPROVED TRAP SYSTEM**

[54] **ROTISSOIRE-FOUR DOTE D'UN SYSTEME DE PIEGE AMELIORE**

[72] CUKJATI, DEBORAH, US

[72] STOLLENWERK, THOMAS, US

[72] DEMARAIS, NICHOLAS, US

[72] BUFORD, JEREMY, US

[72] KLUMP, LESLIE, US

[72] DIDUR, JOSHUA, US

[72] KULAKOWSKI, JOSEPH, US

[72] WHALEN, THOMAS, US

[72] TISCHENDORF, ANDY, US

[73] ALTO-SHAAM, INC., US

[85] 2019-08-02

[86] 2018-02-06 (PCT/US2018/017015)

[87] (WO2018/148188)

[30] US (62/455,891) 2017-02-07

[11] **3,052,706**
[13] C

[51] **Int.Cl. B65D 5/42 (2006.01) B65D 5/36 (2006.01) B65D 6/38 (2006.01)**

[25] EN

[54] **STRAIGHT CONSISTENT BODY SCORES ON PLASTIC CORRUGATED BOXES AND A PROCESS FOR MAKING SAME**

[54] **RAINURES DE CORPS DROITES COHERENTES SUR DES BOITES ONDULEES EN PLASTIQUE ET LEUR PROCEDE DE FABRICATION**

[72] BALAZS, DONALD J., US

[72] MCMAHON, WILLIAM F., US

[73] ORBIS CORPORATION, US

[85] 2019-08-05

[86] 2018-02-21 (PCT/US2018/018983)

[87] (WO2018/156604)

[30] US (62/461,554) 2017-02-21

[30] US (15/498,625) 2017-04-27

[11] **3,052,802**
[13] C

[51] **Int.Cl. A63C 3/10 (2006.01) B24D 15/06 (2006.01)**

[25] EN

[54] **SKATE BLADE SHARPENER WITH INDEXING STONE**

[54] **AFFUTEUR DE LAME DE PATIN A PIERRE D'INDEXATION**

[72] DOWNEN, DANIEL, US

[73] MAINTAIN YOUR EDGE, LLC, US

[85] 2019-08-06

[86] 2018-02-02 (PCT/US2018/016681)

[87] (WO2018/144894)

[30] US (15/425,026) 2017-02-06

[11] **3,053,983**
[13] C

[51] **Int.Cl. C07D 213/73 (2006.01) A61K 31/44 (2006.01) A61K 31/4965 (2006.01) A61P 35/00 (2006.01) C07D 213/75 (2006.01) C07D 241/20 (2006.01)**

[25] EN

[54] **O-AMINOHETEROARYL ALKYNYL-CONTAINING COMPOUND, PREPARATION METHOD THEREFOR, AND USE THEREOF**

[54] **COMPOSE CONTENANT UN ALCYNYLE O-AMINOHETEROARYLE, SON PROCEDE DE PREPARATION ET SON UTILISATION**

[72] HU, YOUHONG, CN

[72] GENG, MEIYU, CN

[72] REN, WENMING, CN

[72] DING, JIAN, CN

[72] GUAN, XIAOCONG, CN

[72] AI, JING, CN

[72] WANG, LANG, CN

[72] PENG, XIA, CN

[72] LIU, YANG, CN

[72] DAI, YANG, CN

[72] ZENG, LIMIN, CN

[73] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN

[85] 2019-08-19

[86] 2018-02-12 (PCT/CN2018/076423)

[87] (WO2018/149382)

[30] CN (201710090242.8) 2017-02-20

[11] **3,056,916**
[13] C

[51] **Int.Cl. H01M 8/04186 (2016.01) H01M 8/04276 (2016.01) H01M 8/18 (2006.01) H01M 8/20 (2006.01)**

[25] EN

[54] **CONCENTRATION MANAGEMENT IN FLOW BATTERY SYSTEMS USING AN ELECTROCHEMICAL BALANCING CELL**

[54] **GESTION DE CONCENTRATION DANS DES SYSTEMES DE BATTERIE A CIRCULATION UTILISANT UNE CELLULE D'EQUILIBRAGE ELECTROCHIMIQUE**

[72] LORETZ, JEREMY, US

[72] DUFFEY, KEAN, US

[72] LEE, SOPHIA, US

[73] LOCKHEED MARTIN ENERGY, LLC, US

[85] 2019-09-17

[86] 2017-05-01 (PCT/US2017/030451)

[87] (WO2018/174921)

[30] US (15/465,502) 2017-03-21

[11] **3,056,921**
[13] C

[51] **Int.Cl. G02B 27/00 (2006.01) G02B 27/01 (2006.01)**

[25] EN

[54] **WEARABLE DISPLAY DEVICE UTILIZING A COMPOSITE FIELD OF VIEW**

[54] **DISPOSITIF D'AFFICHAGE PORTABLE UTILISANT UN CHAMP DE VISION COMPOSITE**

[72] SCHOWENGERDT, BRIAN T., US

[72] YEOH, IVAN LI CHUEN, US

[72] EDWIN, LIONEL ERNEST, US

[73] MAGIC LEAP, INC., US

[85] 2019-09-17

[86] 2018-03-22 (PCT/US2018/023842)

[87] (WO2018/175776)

[30] US (62/475,087) 2017-03-22

**Canadian Patents Issued
January 9, 2024**

[11] **3,057,459**
[13] C

[51] **Int.Cl. H02G 1/14 (2006.01) F21S 13/12 (2006.01) F21V 17/02 (2006.01)**

[25] EN

[54] **NON-CONDUCTIVE SUPPORT STANDS**

[54] **SUPPORTS DE SUPPORT NON CONDUCTEURS**

[72] STILWELL, CHARLES MITCHELL, US

[72] CEASS, RICHARD WALLACE, US

[73] HUBBELL INCORPORATED, US

[85] 2019-09-20

[86] 2018-03-20 (PCT/US2018/023389)

[87] (WO2018/175459)

[30] US (62/474,279) 2017-03-21

[11] **3,057,582**
[13] C

[51] **Int.Cl. C07D 241/18 (2006.01) A61K 31/497 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 241/20 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 471/10 (2006.01) C07D 491/107 (2006.01) C07D 498/10 (2006.01)**

[25] EN

[54] **NOVEL HETEROCYCLIC DERIVATIVES USEFUL AS SHP2 INHIBITORS**

[54] **NOUVEAUX DERIVES HETEROCYCLIQUES UTILES EN TANT QU'INHIBITEURS DE SHP2**

[72] MA, CUNBO, CN

[72] GAO, PANLIANG, CN

[72] HU, SHAOJING, CN

[72] XU, ZILONG, CN

[72] HAN, HUIFENG, CN

[72] WU, XINPING, CN

[72] KANG, DI, CN

[73] JACOBIO PHARMACEUTICALS CO., LTD., CN

[85] 2019-09-23

[86] 2018-03-23 (PCT/IB2018/051973)

[87] (WO2018/172984)

[30] IB (PCT/IB2017/051690) 2017-03-23

[11] **3,059,315**
[13] C

[51] **Int.Cl. A23C 9/12 (2006.01) A23C 9/00 (2006.01) A23C 9/14 (2006.01) A23C 19/00 (2006.01) A23C 21/00 (2006.01)**

[25] EN

[54] **REDUCED CARBOHYDRATE DAIRY PRODUCTS**

[54] **PRODUITS LAITIERS A TENEUR REDUITE EN HYDRATES DE CARBONE**

[72] MCCORMICK, CASEY, US

[72] SAINT-DENIS, THIERRY, US

[72] MCCARTHY, MELISSA, US

[72] FLABBI, PAOLA, US

[72] CARLES PIQUERAS, JOSE MARIA, US

[73] COMPAGNIE GERVAIS DANONE, FR

[86] (3059315)

[87] (3059315)

[22] 2019-10-18

[30] US (62/747,976) 2018-10-19

[11] **3,061,728**
[13] C

[51] **Int.Cl. H01R 4/56 (2006.01) F16L 25/01 (2006.01) H01R 13/622 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR CONNECTING A FIRST ELECTRICALLY CONDUCTIVE TUBE AND A SECOND ELECTRICALLY CONDUCTIVE TUBE**

[54] **APPAREIL ET PROCÉDES POUR CONNECTER UN PREMIER TUBE ELECTROCONDUCTEUR ET UN SECOND TUBE ELECTROCONDUCTEUR**

[72] GILBERTSON, MICHAEL L., US

[73] THE BOEING COMPANY, US

[86] (3061728)

[87] (3061728)

[22] 2019-11-14

[30] US (16/212926) 2018-12-07

[11] **3,061,902**
[13] C

[51] **Int.Cl. A24F 47/00 (2006.01) A61M 11/04 (2006.01) A61M 15/00 (2006.01) B01D 1/00 (2006.01) A61L 9/015 (2006.01)**

[25] EN

[54] **VAPORIZATION DEVICE**

[54] **DISPOSITIF DE VAPORISATION**

[72] SANTOS, RODRIGO ESCORCIO, US

[73] SANTOS, RODRIGO ESCORCIO, US

[86] (3061902)

[87] (3061902)

[22] 2019-11-18

[30] US (62/769,687) 2018-11-20

[11] **3,062,987**
[13] C

[51] **Int.Cl. A24B 15/167 (2020.01) A24F 40/40 (2020.01) A24F 40/42 (2020.01) A24B 15/24 (2006.01)**

[25] EN

[54] **LIQUID TOBACCO EXTRACT**

[54] **EXTRAIT DE TABAC LIQUIDE**

[72] DIGARD, HELENA, GB

[73] NICOVENTURES TRADING LIMITED, GB

[85] 2019-11-08

[86] 2018-05-09 (PCT/EP2018/062123)

[87] (WO2018/210681)

[30] GB (1707769.4) 2017-05-15

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,063,805**
[13] C

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61K 47/26 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **NOVEL PHARMACEUTICAL COMPOSITION COMPRISING PARTICLES COMPRISING A COMPLEX OF A DOUBLE-STRANDED POLYRIBONUCLEOTIDE AND A POLYALKYLENEIMINE**

[54] **NOUVELLE COMPOSITION PHARMACEUTIQUE COMPRENANT DES PARTICULES COMPRENANT UN COMPLEXE CONSTITUE D'UN POLYRIBONUCLEOTIDE DOUBLE BRIN ET D'UNE POLYALKYLENE IMINE**

[72] QUINTERO ORTIZ, MARISOL, ES
[72] POZUELO RUBIO, MERCEDES, ES
[72] PLANELLES CARAZO, LOURDES, ES
[73] HIGHLIGHT THERAPEUTICS, S.L., ES

[85] 2019-11-15
[86] 2017-11-17 (PCT/EP2017/079688)
[87] (WO2018/210439)
[30] EP (17171617.8) 2017-05-17
[30] EP (17382301.4) 2017-05-26
[30] EP (17200469.9) 2017-11-07

[11] **3,064,623**
[13] C

[51] **Int.Cl. H04N 21/81 (2011.01) H04N 21/258 (2011.01) H04N 21/262 (2011.01) H04N 21/845 (2011.01) H04N 21/858 (2011.01)**

[25] EN

[54] **LINEAR ADVERTISING FOR ADAPTIVE BITRATE SPLICING**

[54] **PUBLICITE LINEAIRE DESTINEE A L'EPISSURAGE DE DEBIT BINAIRE ADAPTATIF**

[72] ROMWELL, DAVID A., US
[72] CZECK, DAVID J., JR., US
[72] DENIS, XAVIER P., US
[73] ARRIS ENTERPRISES LLC, US

[85] 2019-11-21
[86] 2018-06-13 (PCT/US2018/037349)
[87] (WO2018/231995)
[30] US (62/518,926) 2017-06-13
[30] US (16/007,307) 2018-06-13

[11] **3,064,648**
[13] C

[51] **Int.Cl. H04W 72/11 (2023.01) H04W 72/231 (2023.01)**

[25] EN

[54] **METHOD FOR TRANSMITTING DATA, TERMINAL DEVICE AND NETWORK DEVICE**

[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF DE TERMINAL ET DISPOSITIF DE RESEAU**

[72] LIN, YANAN, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN

[85] 2019-11-22
[86] 2017-09-15 (PCT/CN2017/101955)
[87] (WO2019/051806)

[11] **3,065,180**
[13] C

[51] **Int.Cl. H05B 3/06 (2006.01) H05B 3/16 (2006.01) H05B 3/32 (2006.01)**

[25] EN

[54] **SUPPORT INSULATORS FOR OPEN COIL ELECTRIC HEATERS AND METHOD OF USE**

[54] **ISOLATEURS PORTANTS POUR ELEMENTS CHAUFFANTS ELECTRIQUES A BOBINE OUVERTE ET PROCEDE D'UTILISATION**

[72] LOLLAR, JAMES PATRICK, US
[72] RIDLEY, DEVIN, US
[73] TUTCO, LLC, US

[85] 2019-11-07
[86] 2018-05-09 (PCT/US2018/031737)
[87] (WO2018/208880)
[30] US (62/503,481) 2017-05-09

[11] **3,066,762**
[13] C

[51] **Int.Cl. B31B 50/64 (2017.01) B31B 50/02 (2017.01) B31B 50/25 (2017.01) B31B 50/60 (2017.01) B29C 65/08 (2006.01)**

[25] EN

[54] **BALANCED PROCESS FOR EXTRUSION OF PLASTIC CORRUGATED SHEET AND SUBSEQUENT CONVERTING INTO PLASTIC BOXES**

[54] **PROCEDE EQUILIBRE POUR L'EXTRUSION DE FEUILLE EN PLASTIQUE ONDULE ET CONVERSION ULTERIEURE EN BOITES EN PLASTIQUE**

[72] MCMAHON, WILLIAM F., US
[72] BALAZS, DONALD J., US
[73] ORBIS CORPORATION, US

[85] 2019-12-09
[86] 2018-06-19 (PCT/US2018/038182)
[87] (WO2018/236801)
[30] US (62/522,457) 2017-06-20
[30] US (62/577,517) 2017-10-26
[30] US (16/010,967) 2018-06-18

[11] **3,067,269**
[13] C

[51] **Int.Cl. A61K 47/30 (2006.01) A61K 47/10 (2017.01) A61K 47/34 (2017.01) C08G 63/08 (2006.01) C08G 65/28 (2006.01)**

[25] EN

[54] **POLYMERIC PASTE COMPOSITIONS FOR DRUG DELIVERY**

[54] **COMPOSITIONS DE PATE POLYMERE POUR ADMINISTRATION DE MEDICAMENT**

[72] JACKSON, JOHN K., CA
[72] GLEAVE, MARTIN E., CA
[72] SCHMITT, VERONIKA, CA
[72] KESCH, CLAUDIA, DE
[73] THE UNIVERSITY OF BRITISH COLUMBIA, CA

[85] 2019-12-13
[86] 2018-06-13 (PCT/CA2018/050714)
[87] (WO2018/227293)
[30] US (62/518,800) 2017-06-13

**Canadian Patents Issued
January 9, 2024**

[11] **3,067,860**
[13] C

[51] **Int.Cl. B65G 59/06 (2006.01) B65H 1/06 (2006.01) B65H 3/00 (2006.01)**
[25] EN
[54] **PALLET BLOCKING APPARATUS AND RELATED METHOD AND SYSTEM**
[54] **APPAREIL DE BLOCAGE DE PALETTES ET PROCEDE ET SYSTEME ASSOCIES**
[72] REDMAN, PAUL W., CA
[73] REDMAN, PAUL W., CA
[85] 2019-12-19
[86] 2018-06-27 (PCT/CA2018/050796)
[87] (WO2019/000096)
[30] US (62/525,414) 2017-06-27

[11] **3,068,323**
[13] C

[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/588 (2006.01) E21B 43/16 (2006.01)**
[25] EN
[54] **IN-SITU SURFACTANT RETENTION EVALUATION USING SINGLE WELL CHEMICAL TRACER TESTS**
[54] **EVALUATION DE RETENTION DE TENSIOACTIF IN SITU AU MOYEN DE TESTS DE TRACEUR CHIMIQUE DE Puits UNIQUE**
[72] LI, GAOMING, US
[72] NEEDHAM, RILEY B., US
[72] SOLAIRAJ, SRIRAM, US
[73] CONOCOPHILLIPS COMPANY, US
[85] 2019-12-20
[86] 2018-07-23 (PCT/US2018/043235)
[87] (WO2019/023100)
[30] US (62/537,091) 2017-07-26

[11] **3,068,441**
[13] C

[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **FLUID TRANSFER DEVICES AND METHODS OF USE**
[54] **DISPOSITIFS DE TRANSFERT DE FLUIDES ET PROCEDES D'UTILISATION**
[72] LOPEZ, GEORGE A., US
[72] FANGROW, THOMAS F., US
[72] LEISSLING, PETER, DE
[72] JANSSEN, MATTHIAS, DE
[73] ICU MEDICAL, INC., US
[86] (3068441)
[87] (3068441)
[22] 2010-07-27
[62] 2,768,985
[30] US (61/229,701) 2009-07-29
[30] US (61/354,648) 2010-06-14

[11] **3,069,331**
[13] C

[51] **Int.Cl. A01M 21/04 (2006.01) A01N 25/12 (2006.01) A01N 25/34 (2006.01) A01N 61/00 (2006.01) A01P 13/00 (2006.01) A01P 21/00 (2006.01) B23B 45/00 (2006.01) B23B 45/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CAPSULAR DELIVERY TO PLANTS**
[54] **PROCEDE ET APPAREIL D'ADMINISTRATION CAPSULAIRE A DES PLANTES**
[72] RIIKONEN, PETER, AU
[72] GOULTER, KEN, AU
[73] BIOHERBICIDES AUSTRALIA PTY LTD, AU
[85] 2020-01-08
[86] 2018-08-02 (PCT/AU2018/050807)
[87] (WO2019/023755)
[30] AU (2017903063) 2017-08-02

[11] **3,072,465**
[13] C

[51] **Int.Cl. F16L 55/00 (2006.01) F16L 37/091 (2006.01) G06K 19/07 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **FLUID LINE CONNECTOR AND ASSEMBLY WITH SECUREMENT DETECTION**
[54] **RACCORD ET ENSEMBLE DE CONDUITE DE FLUIDE A DETECTION DE FIXATION**
[72] IGNACZAK, BRIAN, T., US
[72] PETERSON, DAVE, US
[72] STOLL, VIKTOR, DE
[72] SCHINDLER, RENE, DE
[73] NORMA U.S. HOLDING LLC, US
[85] 2020-02-07
[86] 2018-08-13 (PCT/US2018/046528)
[87] (WO2019/033109)
[30] US (62/544,057) 2017-08-11
[30] US (16/102,256) 2018-08-13

[11] **3,073,130**
[13] C

[51] **Int.Cl. C10G 67/04 (2006.01) C10G 7/06 (2006.01) C10G 21/00 (2006.01) C10G 47/00 (2006.01) C10L 1/02 (2006.01)**
[25] EN
[54] **LOW SULFUR FUEL OIL BUNKER COMPOSITION AND PROCESS FOR PRODUCING THE SAME**
[54] **COMPOSITION DE SOUTES A FAIBLE TENEUR EN SOUFRE ET SON PROCEDE DE PRODUCTION**
[72] MARKKANEN, VARPU, FI
[73] NESTE OYJ, FI
[85] 2020-02-14
[86] 2018-09-11 (PCT/FI2018/050640)
[87] (WO2019/053323)
[30] FI (20175815) 2017-09-14

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,073,436**

[13] C

- [51] **Int.Cl. A41D 31/02 (2019.01) A41D 31/102 (2019.01) A41D 31/12 (2019.01) A41D 31/30 (2019.01) A41B 17/00 (2006.01) A61F 13/15 (2006.01) B32B 5/26 (2006.01) B32B 7/02 (2019.01) B32B 7/04 (2019.01)**
- [25] EN
- [54] **MULTI-LAYER GARMENT LINING**
- [54] **APPLIQUE MULTICOUCHE POUR VETEMENT**
- [72] EWELL, EMILY STEED, BR
- [73] EC BRAND COM IMP EXP DE VEST EM GERAL LTDA, BR
- [85] 2020-02-20
- [86] 2018-08-21 (PCT/BR2018/050295)
- [87] (WO2019/036783)
- [30] BR (BR 10 2017 017992 3) 2017-08-22

[11] **3,073,728**

[13] C

- [51] **Int.Cl. H04N 21/4725 (2011.01) H04N 21/431 (2011.01) G06Q 40/06 (2012.01)**
- [25] EN
- [54] **SYSTEMS AND METHODS FOR CONTROLLING DISPLAY OF VIDEO CONTENT IN AN ONLINE MEDIA PLATFORM**
- [54] **SYSTEMES ET METHODES POUR CONTROLER L'AFFICHAGE DE CONTENU VIDEO DANS UNE PLATEFORME DE CONTENU EN LIGNE**
- [72] BECK, JEFFREY LEE, CA
- [72] CLARKIN, PHILIP P., CA
- [72] WOJCICKI, JEFFREY JOHN, CA
- [72] RAMPERSAD, RAVI, CA
- [73] THE TORONTO-DOMINION BANK, CA
- [86] (3073728)
- [87] (3073728)
- [22] 2020-02-26

[11] **3,074,835**

[13] C

- [51] **Int.Cl. E02F 3/407 (2006.01) E02F 3/32 (2006.01)**
- [25] EN
- [54] **BUCKET CLEANOUT**
- [54] **NETTOYAGE DE GODET**
- [72] ALTSTADT, DAVID, US
- [72] GOSEN, LUKE, US
- [72] LAUGEN, JESSE, US
- [72] LOEPP, KENNETH, US
- [72] HIRSCHKORN, DORAN, US
- [72] FRITZ, RILEY, US
- [72] SCHANILEC, BENJAMIN, US
- [72] REDMOND, CHASE, US
- [72] ENDE, JOEL, US
- [73] CLARK EQUIPMENT COMPANY, US
- [85] 2020-03-04
- [86] 2018-09-06 (PCT/US2018/049724)
- [87] (WO2019/051070)
- [30] US (62/554,722) 2017-09-06

[11] **3,076,546**

[13] C

- [51] **Int.Cl. H02J 9/04 (2006.01)**
- [25] EN
- [54] **UNINTERRUPTIBLE POWER OVER ETHERNET TECHNOLOGY FOR REAL WORLD ENVIRONMENTS**
- [54] **TECHNOLOGIE DE PUISSANCE SANS COUPURE PAR ETHERNET POUR ENVIRONNEMENTS DU MONDE REEL**
- [72] KANARELLIS, MICHAEL, US
- [72] MCANDREW, CHARLES I., US
- [72] DRIER, JOHN, US
- [72] SWATZEL, KENNY, US
- [73] BTU RESEARCH LLC, US
- [85] 2020-03-19
- [86] 2018-09-21 (PCT/US2018/052309)
- [87] (WO2019/060786)
- [30] US (62/562,182) 2017-09-22
- [30] US (62/720,089) 2018-08-20

[11] **3,077,105**

[13] C

- [51] **Int.Cl. C12N 9/12 (2006.01) A61K 38/00 (2006.01)**
- [25] EN
- [54] **RECOMBINANT DGKK GENE FOR FRAGILE X SYNDROME GENE THERAPY**
- [54] **GENE DGKK RECOMBINANT POUR LA THERAPIE GENIQUE DU SYNDROME DE L'X FRAGILE**
- [72] MOINE, HERVE, FR
- [72] TABET, RICARDOS, US
- [73] UNIVERSITE DE STRASBOURG, FR
- [73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
- [73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
- [85] 2020-03-26
- [86] 2017-09-26 (PCT/EP2017/074387)
- [87] (WO2018/055206)
- [30] EP (16306232.6) 2016-09-26

[11] **3,077,544**

[13] C

- [51] **Int.Cl. B26B 19/04 (2006.01) B26B 19/02 (2006.01)**
- [25] EN
- [54] **HAIR CLIPPER APPARATUS WITH BLADE ASSEMBLY**
- [54] **TONDEUSE A CHEVEUX AVEC ENSEMBLE DE LAMES**
- [72] LIAO, YEN FU, US
- [73] CONAIR LLC, US
- [86] (3077544)
- [87] (3077544)
- [22] 2013-10-07
- [62] 2,829,444
- [30] US (13/662,142) 2012-10-26

**Canadian Patents Issued
January 9, 2024**

[11] **3,078,842**
[13] C

[51] **Int.Cl. E21B 47/10 (2012.01)**
[25] EN
[54] **DETECTING EVENTS USING ACOUSTIC FREQUENCY DOMAIN FEATURES**
[54] **DETECTION D'EVENEMENTS A L'AIDE DE CARACTERISTIQUES ACOUSTIQUES DE DOMAINE FREQUENTIEL**
[72] LANGNES, TOMMY, GB
[72] THIRUVENKATANATHAN, PRADYUMNA, GB
[73] BP EXPLORATION OPERATING COMPANY LIMITED, GB
[85] 2020-04-09
[86] 2018-10-10 (PCT/EP2018/077568)
[87] (WO2019/072899)
[30] US (62/571070) 2017-10-11

[11] **3,079,726**
[13] C

[51] **Int.Cl. A01D 45/02 (2006.01)**
[25] EN
[54] **STALK ROLL**
[54] **ROULEAU DE RECOLTE DE TIGES**
[72] CALMER, MARION, US
[73] CALMER, MARION, US
[86] (3079726)
[87] (3079726)
[22] 2014-03-12
[62] 2,905,792
[30] US (61/778,118) 2013-03-12

[11] **3,080,726**
[13] C

[51] **Int.Cl. G02B 27/02 (2006.01)**
[25] FR
[54] **OPTICAL DEVICE FOR FACILITATING READING**
[54] **DISPOSITIF OPTIQUE FACILITANT LA LECTURE**
[72] LE FLOCH, ALBERT, FR
[72] ROPARS, GUY, FR
[73] LE FLOCH, ALBERT, FR
[73] UNIVERSITE DE RENNES, FR
[85] 2020-04-27
[86] 2018-08-03 (PCT/FR2018/052011)
[87] (WO2019/106243)
[30] FR (1701260) 2017-11-30

[11] **3,081,509**
[13] C

[51] **Int.Cl. H04W 4/024 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INDOOR WAYFINDING WITHIN A FACILITY**
[54] **SYSTEMES ET PROCEDES POUR ORIENTATION A L'INTERIEUR D'UNE INSTALLATION**
[72] MAIOLO, CHRISTINE, CA
[72] BERNHARDT, PAUL, CA
[72] SHERRATT, CORALINE, CA
[73] MAPPEDIN INC., CA
[86] (3081509)
[87] (3081509)
[22] 2020-05-29
[30] US (62/856,957) 2019-06-04

[11] **3,081,893**
[13] C

[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TAGGING DATA**
[54] **SYSTEME ET METHODE POUR MARQUER LES DONNEES**
[72] D'AGOSTINO, DINO PAUL, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (3081893)
[87] (3081893)
[22] 2020-06-02

[11] **3,083,013**
[13] C

[51] **Int.Cl. F16L 55/18 (2006.01) F16L 53/30 (2018.01) F16L 55/17 (2006.01)**
[25] EN
[54] **PIPE SLEEVE HEATER**
[54] **CHAUFFE-MANCHON DE TUYAU**
[72] SMYTH, ROBERT J., CA
[73] PETROSLEEVE INCORPORATED, CA
[86] (3083013)
[87] (3083013)
[22] 2020-06-10

[11] **3,083,294**
[13] C

[51] **Int.Cl. H04L 1/16 (2023.01) H04W 72/20 (2023.01)**
[25] EN
[54] **INFORMATION INDICATION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF D'INDICATION D'INFORMATIONS**
[72] HAN, XIAO, CN
[72] MA, MENG YAO, CN
[72] XIN, YAN, CN
[72] JIA, CHENLONG, CN
[72] GAN, MING, CN
[73] HUAWAI TECHNOLOGIES CO., LTD., CN
[85] 2020-05-22
[86] 2018-10-31 (PCT/CN2018/113059)
[87] (WO2019/100918)
[30] CN (201711195871.3) 2017-11-24

[11] **3,084,147**
[13] C

[51] **Int.Cl. A01F 25/14 (2006.01) A01F 25/13 (2006.01) B65D 88/52 (2006.01)**
[25] EN
[54] **PORTABLE GRAIN BIN**
[54] **CELLULE A GRAIN PORTATIVE**
[72] KOSIOR, DAVID W., CA
[72] BEAUJOT, PATRICK M., CA
[73] T-BIN AG EQUIPMENT LTD., CA
[86] (3084147)
[87] (3084147)
[22] 2020-06-17
[30] US (62/863,100) 2019-06-18
[30] US (62/870,510) 2019-07-03

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,084,317**
[13] C

[51] **Int.Cl. A61K 9/70 (2006.01) A61K 47/02 (2006.01) A61K 47/04 (2006.01) A61K 47/10 (2017.01)**

[25] EN

[54] **PERMEANT DELIVERY SYSTEM AND METHODS FOR USE THEREOF**

[54] **SYSTEME D'ADMINISTRATION DE PERMEANT ET PROCEDES D'UTILISATION DE CELUI-CI**

[72] TAGLIFERRI, FRANK, US

[72] SMITH, ALAN, US

[72] ENSCORE, DAVID, US

[72] TOLIA, GAURAV, US

[72] BAUDYS, MIREK, US

[73] PASSPORT TECHNOLOGIES, INC., US

[86] (3084317)

[87] (3084317)

[22] 2009-03-31

[62] 2,720,067

[30] US (61/040,744) 2008-03-31

[30] US (61/133,101) 2008-06-25

[11] **3,084,555**
[13] C

[51] **Int.Cl. H04W 72/23 (2023.01)**

[25] EN

[54] **SIGNAL TRANSMISSION METHOD, RELATED DEVICE, AND SYSTEM**

[54] **PROCEDE DE TRANSMISSION DE SIGNAUX, DISPOSITIF ASSOCIE ET SYSTEME**

[72] ZHANG, DI, CN

[72] LIU, KUNPENG, CN

[73] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2020-05-15

[86] 2018-07-12 (PCT/CN2018/095512)

[87] (WO2019/095709)

[30] CN (201711153339.5) 2017-11-17

[11] **3,084,749**
[13] C

[51] **Int.Cl. A45B 3/04 (2006.01) A45B 3/02 (2006.01) A61H 3/00 (2006.01)**

[25] EN

[54] **MOBILITY AID FOR FROZEN GAIT SYNDROME**

[54] **AIDE A LA MOBILITE POUR LE SYNDROME DE LA DEMARCHE FIGEE**

[72] BARKER, BERNARD LEA ALLEN, CA

[73] BARKER, BERNARD LEA ALLEN, CA

[86] (3084749)

[87] (3084749)

[22] 2020-06-24

[30] US (16/910,278) 2020-06-24

[11] **3,085,053**
[13] C

[51] **Int.Cl. F21V 31/00 (2006.01) F21V 17/10 (2006.01) F21V 23/00 (2015.01) F21S 8/06 (2006.01) F21V 21/34 (2006.01)**

[25] EN

[54] **LUMINAIRE FOR INDUCTIVE LIGHTING SYSTEM**

[54] **LUMINAIRE DE SYSTEME D'ECLAIRAGE INDUCTIF**

[72] CORKHILL, ROBIN, GB

[73] GREENGAGE LIGHTING LTD, GB

[85] 2020-06-08

[86] 2018-01-30 (PCT/GB2018/050261)

[87] (WO2018/138533)

[30] GB (1701485.3) 2017-01-30

[11] **3,085,066**
[13] C

[51] **Int.Cl. A61K 47/02 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 31/465 (2006.01) A61P 25/34 (2006.01)**

[25] EN

[54] **FORMULATIONS PROVIDING HIGH NICOTINE CONCENTRATIONS**

[54] **FORMULATIONS FOURNISSANT DE FORTES CONCENTRATIONS DE NICOTINE**

[72] NIELSEN, BRUNO PROVSTGAARD, DK

[72] NIELSEN, KENT ALBIN, DK

[73] FERTIN PHARMA A/S, DK

[85] 2020-06-08

[86] 2018-12-07 (PCT/DK2018/050339)

[87] (WO2019/110076)

[30] DK (PA 2017 70929) 2017-12-08

[11] **3,085,901**
[13] C

[51] **Int.Cl. F24T 10/20 (2018.01) E21B 47/13 (2012.01) E21B 7/00 (2006.01) E21B 33/138 (2006.01) E21B 43/30 (2006.01)**

[25] EN

[54] **METHOD FOR CONFIGURING WELLBORES IN A GEOLOGIC FORMATION**

[54] **METHODE DE CONFIGURATION DE Puits DE FORAGE DANS UNE FORMATION GEOLOGIQUE**

[72] TOEWS, MATTHEW, CA

[72] CAIRNS, PAUL, CA

[72] RIDDELL, DEREK, CA

[72] CURTIS-SMITH, ANDREW, CA

[72] HALE, JONATHAN, CA

[73] EAVOR TECHNOLOGIES INC., CA

[86] (3085901)

[87] (3085901)

[22] 2020-07-06

[11] **3,086,244**
[13] C

[51] **Int.Cl. B44C 3/08 (2006.01) A44C 21/00 (2006.01)**

[25] EN

[54] **DEVICE FOR MANUFACTURING A COMPOSITE ARTICLE (VARIANTS) AND ARTICLE D'ARTICLE COMPOSITE (VARIANTES) ET ARTICLE**

[72] TRACHUK, ARKADIY VLADIMIROVICH, RU

[72] KURYATNIKOV, ANDREY BORISOVICH, RU

[72] KORNILOV, GEORGIY VALENTINOVICH, RU

[72] FEDOROVA, ELENA MIKHAILOVNA, RU

[72] AKININ, ALEXEY BORISOVICH, RU

[72] ZHAVORONKOV, KONSTANTIN GENRIKHOVICH, RU

[72] BOEV, SERGEY NIKOLAEVICH, RU

[72] SHCHEPIN, VIKTOR GENNADIEVICH, RU

[72] KHARLAMOV, KONSTANTIN VLADIMIROVICH, RU

[73] AKTSIONERNOE OBSHCHESTVO "GOZNAK" (AO "GOZNAK"), RU

[85] 2020-06-17

[86] 2018-12-28 (PCT/RU2018/000894)

[87] (WO2019/147165)

[30] RU (2018102690) 2018-01-24

**Canadian Patents Issued
January 9, 2024**

[11] **3,086,434**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01)**

[25] EN

[54] **ANTI-PD-L1 ANTIBODIES AND USES THEREOF**

[54] **ANTICORPS ANTI-PD-L1 ET UTILISATIONS ASSOCIEES**

[72] FANG, LEI, CN

[72] WANG, YONGQIANG, CN

[72] WANG, ZHENGYI, CN

[72] GUO, BINGSHI, CN

[72] ZANG, JINGWU, CN

[73] I-MAB BIOPHARMA CO., LTD., CN

[85] 2020-06-19

[86] 2019-03-29 (PCT/CN2019/080458)

[87] (WO2019/185029)

[30] CN (PCT/CN2018/081079) 2018-03-29

[11] **3,086,577**
[13] C

[51] **Int.Cl. A61B 90/14 (2016.01) A61B 90/50 (2016.01) B25J 17/00 (2006.01)**

[25] EN

[54] **POSITIONING APPARATUS FOR BIOMEDICAL USE**

[54] **APPAREIL DE POSITIONNEMENT POUR UTILISATION BIOMEDICALE**

[72] CHAUVETTE, GUILLAUME, CA

[72] SEVIGNY, CHARLES, CA

[73] CONMED CORPORATION, US

[86] (3086577)

[87] (3086577)

[22] 2011-12-06

[62] 3,008,626

[30] US (61/420,468) 2010-12-07

[11] **3,086,725**
[13] C

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/00 (2006.01)**

[25] EN

[54] **NOVEL MULTI-ORGAN-CHIPS ESTABLISHING DIFFERENTIATION OF IPSC-DERIVED CELLS INTO ORGAN EQUIVALENTS**

[54] **NOUVELLES PUCES MULTI-ORGANES ETABLISSANT UNE DIFFERENCIATION DE CELLULES DERIVEES D'IPSC EN EQUIVALENTS D'ORGANE**

[72] MARX, UWE, DE

[72] RAMME, ANJA, DE

[73] TISSUSE GMBH, DE

[85] 2020-06-19

[86] 2018-12-21 (PCT/EP2018/086483)

[87] (WO2019/122291)

[30] EP (17210375.6) 2017-12-22

[30] US (62/609,664) 2017-12-22

[11] **3,087,583**
[13] C

[51] **Int.Cl. C11D 17/04 (2006.01) C11D 3/50 (2006.01) C11D 17/00 (2006.01) D06M 13/00 (2006.01)**

[25] EN

[54] **WATER-SOLUBLE UNIT DOSE ARTICLES COMPRISING PERFUME**

[54] **ARTICLES EN DOSE UNITAIRE HYDROSOLUBLE COMPRENANT UN PARFUM**

[72] SIVIK, MARK ROBERT, US

[72] BUEHLER, THERESA ANNE, US

[72] DENOME, FRANK WILLIAM, US

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2020-07-02

[86] 2019-01-22 (PCT/US2019/014455)

[87] (WO2019/147534)

[30] US (62/622,466) 2018-01-26

[11] **3,087,776**
[13] C

[51] **Int.Cl. C11D 3/00 (2006.01) C11D 3/37 (2006.01) C11D 17/06 (2006.01)**

[25] EN

[54] **PARTICULATE LAUNDRY SOFTENING WASH ADDITIVE**

[54] **ADDITIONNEL DE LAVAGE ADOUCISSANT PARTICULAIRE POUR LE LINGE**

[72] PANANDIKER, RAJAN KESHAV, US

[72] KLUESENER, BERNARD WILLIAM, US

[72] DORIA, HEATHER ANNE, US

[72] JOHNSON, LENAE VIRGINIA, US

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2020-07-06

[86] 2019-01-29 (PCT/US2019/015497)

[87] (WO2019/148146)

[30] US (62/623,021) 2018-01-29

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,089,411**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 21/64 (2006.01)**
[25] EN
[54] **DIGITAL PCR DETECTION APPARATUS, DIGITAL PCR QUANTITATIVE DETECTION METHOD, MULTI-VOLUME DIGITAL PCR QUANTITATIVE ANALYSIS METHOD, DIGITAL PCR DETECTION METHOD, NUCLEIC ACID DETECTION MICROSPHERE, PREPARATION METHOD OF NUCLEIC ACID DETECTION MICROSPHERE, NUCLEIC ACID DETECTION MICROSPHERE KIT AND HIGH-THROUGHPUT NUCLEIC ACID DETECTION METHOD**

[54] **APPAREIL DE DETECTION DE REACTION EN CHAINE DE LA POLYMERASE (PCR) NUMERIQUE, PROCEDE DE DETECTION QUANTITATIVE DE PCR NUMERIQUE, PROCEDE D'ANALYSE QUANTITATIVE DE PCR NUMERIQUE A VOLUMES MULTIPLES, PROCEDE DE DETECTION DE PCR NUMERIQUE, DETECTION DE MICROSPHERES D'ACIDE NUCLEIQUE, PROCEDE DE PREPARATION DE DETECTION DE MICROSPHERES D'ACIDE NUCLEIQUE,**

[72] SHENG, GUANGJI, CN
[73] SNIPER (SUZHOU) LIFE TECHNOLOGY CO., LTD, CN
[85] 2020-07-23
[86] 2019-01-24 (PCT/CN2019/072974)
[87] (WO2019/144907)
[30] CN (201810070377.2) 2018-01-24
[30] CN (201810932950.6) 2018-08-16
[30] CN (201811392278.2) 2018-11-21

[11] **3,089,920**
[13] C

[51] **Int.Cl. G16H 40/63 (2018.01) A61B 90/00 (2016.01) A61B 90/90 (2016.01) G16H 40/40 (2018.01) A61N 7/00 (2006.01)**
[25] EN
[54] **A MEDICAL DEVICE CONFIGURED TO COMMUNICATE WITH A REMOTE COMPUTER SYSTEM**

[54] **DISPOSITIF MEDICAL CONFIGURE POUR COMMUNIQUER AVEC UN SYSTEME INFORMATIQUE ELOIGNE**

[72] TANIS, KEVIN J., US
[72] ZHANG, JIN, US
[72] ARRINGTON, DEBRA ANN, US
[72] UMSTEAD, KELLY ANN, US
[73] SMITH & NEPHEW, INC., US
[86] (3089920)
[87] (3089920)
[22] 2011-10-12
[62] 2,814,657
[30] US (61/392,154) 2010-10-12
[30] US (61/405,405) 2010-10-21
[30] US (61/405,757) 2010-10-22
[30] US (61/483,445) 2011-05-06

[11] **3,090,345**
[13] C

[51] **Int.Cl. H02M 7/217 (2006.01) H02J 50/00 (2016.01) H02J 7/00 (2006.01) H02M 1/00 (2007.10) H02M 1/088 (2006.01) H02M 3/07 (2006.01)**
[25] EN
[54] **DEVICE FOR OBTAINING ELECTRIC ENERGY AND ENERGY GENERATOR COMPRISING SUCH A DEVICE**

[54] **DISPOSITIF DE COLLECTE D'ENERGIE ELECTRIQUE ET GENERATEUR D'ENERGIE POURVU D'UN TEL DISPOSITIF**

[72] SHOUSA, MAHMOUD, DE
[72] HAUG, MARTIN, DE
[73] WUERTH ELEKTRONIK EISOS GMBH & CO. KG, DE
[85] 2020-08-04
[86] 2019-01-09 (PCT/EP2019/050440)
[87] (WO2019/154576)
[30] DE (10 2018 201 925.8) 2018-02-07

[11] **3,090,598**
[13] C

[51] **Int.Cl. C07D 401/06 (2006.01) A61K 31/4725 (2006.01) A61P 11/00 (2006.01) A61P 25/14 (2006.01) A61P 29/00 (2006.01) C07D 217/06 (2006.01) C07D 217/14 (2006.01) C07D 221/04 (2006.01) C07D 401/08 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **TETRAHYDROISOQUINOLINE COMPOUND, PREPARATION METHOD THEREFOR, PHARMACEUTICAL COMPOSITION CONTAINING SAME, AND USE THEREOF**

[54] **COMPOSE DE TETRAHYDROISOQUINOLEINE, SON PROCEDE DE PREPARATION, COMPOSITION PHARMACEUTIQUE LE CONTENANT ET UTILISATION ASSOCIEE**

[72] XU, YECHUN, CN
[72] LIU, HONG, CN
[72] TANG, WEI, CN
[72] ZHANG, XIANGLEI, CN
[72] GU, ZHANNI, CN
[72] LI, HENG, CN
[72] HAN, XU, CN
[72] ZHU, FENGHUA, CN
[72] FENG, CHUNLAN, CN
[72] DONG, GUANGYU, CN
[72] CHEN, TIAN TIAN, CN
[72] CHEN, WUYAN, CN
[72] JIANG, HUALIANG, CN
[72] CHEN, KAIXIAN, CN
[73] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[85] 2020-08-06
[86] 2019-02-03 (PCT/CN2019/074704)
[87] (WO2019/154395)
[30] CN (201810118038.7) 2018-02-06

**Canadian Patents Issued
January 9, 2024**

[11] **3,090,726**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **ANTI-CLAUDIN 18.2 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CLAUDINE 18.2 ET LEURS UTILISATIONS**
[72] LI, RUNSHENG, CN
[73] LANOVA MEDICINES LIMITED, CN
[85] 2020-08-07
[86] 2019-05-20 (PCT/CN2019/087591)
[87] (WO2019/219089)
[30] CN (PCT/CN2018/087443) 2018-05-18

[11] **3,090,975**
[13] C

[51] **Int.Cl. A61K 31/57 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **3BETA-(4-METHOXYBENZYLOXY)PREGN-5-EN-20-ONE FOR USE IN THE TREATMENT OF CANNABINOIDS-RELATED DISORDERS**
[54] **3BETA-(4-METHOXYBENZYLOXY)PREGN-5-EN-20-ONE POUR UNE UTILISATION DANS LE TRAITEMENT DE TROUBLES LIES AUX CANNABINOIDES**
[72] PIAZZA, PIER VINCENZO, FR
[72] FABRE, SANDY, FR
[72] METNA, MATHILDE, FR
[72] MONLEZUN, STEPHANIE, FR
[72] BUSQUET-GARCIA, ARNAU, FR
[72] COTA, DANIELA, FR
[72] MARSICANO, GIOVANNI, FR
[72] REVEST, JEAN-MICHEL, FR
[72] VALLEE, MONIQUE, FR
[73] AELIS FARMA, FR
[73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[73] UNIVERSITE DE BORDEAUX, FR
[85] 2020-08-11
[86] 2019-02-20 (PCT/EP2019/054217)
[87] (WO2019/162328)
[30] EP (18305177.0) 2018-02-20

[11] **3,092,824**
[13] C

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR OPERATING A FLEET OF PUMPS**
[54] **PROCEDES ET SYSTEMES POUR L'EXPLOITATION D'UNE FLOTTE DE POMPES**
[72] YEUNG, TONY, US
[72] RODRIGUEZ-RAMON, RICARDO, US
[72] FU, DIANKUI, US
[72] ZEMLAK, WARREN, US
[72] SETH, SAMIR NATH, US
[72] FOSTER, JOSEPH, US
[73] BJ ENERGY SOLUTIONS, LLC, US
[86] (3092824)
[87] (3092824)
[22] 2020-09-10
[30] US (62/899,951) 2019-09-13
[30] US (16/946,082) 2020-06-05

[11] **3,093,593**
[13] C

[51] **Int.Cl. E06B 9/80 (2006.01) E06B 9/42 (2006.01) E06B 9/54 (2006.01)**
[25] EN
[54] **DRAW BAR AND BRAKE ARRANGEMENT FOR A DRAW BAR**
[54] **BARRE DE TRACTION ET SYSTEME DE FREINAGE POUR BARRE DE TRACTION**
[72] ROBERTS, ANTHONY GERARD, AU
[72] RODD, AARON, AU
[73] FREEDOM SCREENS CAPITAL PTY LTD, AU
[85] 2020-09-10
[86] 2019-03-15 (PCT/AU2019/050235)
[87] (WO2019/173880)
[30] AU (2018900879) 2018-03-16

[11] **3,093,831**
[13] C

[51] **Int.Cl. G06G 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING PREDICTION BASED GUI TO IMPROVE GUI RESPONSE TIMES**
[54] **SYSTEME ET PROCEDE DE GENERATION DE PREDICTION SUR LA BASE DE GUI POUR AMELIORER LA REPONSE GUI**
[72] KORYAKIN, ROSTISLAV, RU
[73] CLOUDBLUE LLC, US
[85] 2020-09-11
[86] 2019-03-12 (PCT/US2019/021874)
[87] (WO2019/178115)
[30] US (15/920,319) 2018-03-13

[11] **3,093,917**
[13] C

[51] **Int.Cl. H04L 51/42 (2022.01) G06F 16/906 (2019.01) H04L 51/234 (2022.01) G06Q 10/107 (2023.01) H04L 51/216 (2022.01) H04L 51/48 (2022.01)**
[25] EN
[54] **AUTOMATED COMMUNICATION IN AN EMAIL SYNCHRONIZATION AND WORKFLOW SYSTEM**
[54] **COMMUNICATION AUTOMATISEE DANS UN SYSTEME DE SYNCHRONISATION DE COURRIER ELECTRONIQUE ET DE FLUX DE TRAVAIL**
[72] HEMPTON, GORDON L., US
[72] HATHER, WESLEY R., US
[72] KINZER, ANDREW S., US
[72] MEDINA, MANUEL A., US
[73] OUTREACH CORPORATION, US
[85] 2020-09-11
[86] 2019-04-11 (PCT/US2019/026917)
[87] (WO2019/200052)
[30] US (15/950,370) 2018-04-11

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,094,125**
[13] C

[51] **Int.Cl. G01N 1/30 (2006.01) G01N 35/02 (2006.01) G01N 1/00 (2006.01)**
[25] EN
[54] **SAMPLE PROCESSING SYSTEM AND METHOD FOR AUTOMATICALLY PROCESSING HISTOLOGICAL SAMPLES**
[54] **SYSTEME ET METHODE DE TRAITEMENT D'ECHANTILLON PERMETTANT DE TRAITER AUTOMATIQUEMENT DES ECHANTILLONS HISTOLOGIQUES**
[72] SIEVERT, DOMINIK, DE
[72] SIEVERT, MARIA, DE
[73] INVEOX GMBH, DE
[85] 2020-09-16
[86] 2019-03-15 (PCT/EP2019/056524)
[87] (WO2019/175371)
[30] EP (18162231.7) 2018-03-16

[11] **3,094,133**
[13] C

[51] **Int.Cl. G06Q 30/00 (2023.01) G06Q 30/0241 (2023.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING PRODUCT IMAGE RECOMMENDATIONS**
[54] **SYSTEMES ET METHODES POUR FOURNIR DES RECOMMANDATIONS D'IMAGES DE PRODUITS**
[72] D'SOUZA, FRANKLYN, CA
[72] WADE, JONATHAN, CA
[72] HAAPOJA, JUHO MIKKO, CA
[73] SHOPIFY INC., CA
[86] (3094133)
[87] (3094133)
[22] 2020-09-23
[30] US (16/662211) 2019-10-24
[30] EP (20188509.2) 2020-07-30

[11] **3,094,261**
[13] C

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/4015 (2006.01) A61K 31/4427 (2006.01) A61K 31/541 (2006.01) A61P 25/00 (2006.01) C07D 405/04 (2006.01) C07D 405/06 (2006.01) C07D 405/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING CNS- AND NEURODEGENERATIVE DISEASES**
[54] **COMPOSES POUR LE TRAITEMENT DE MALADIES DU SNC ET DE MALADIES NEURODEGENERATIVES**
[72] QUITTERER, URSULA, CH
[72] ABDALLA, SAID, DE
[73] ETH ZURICH, CH
[85] 2020-09-17
[86] 2019-03-15 (PCT/EP2019/056565)
[87] (WO2019/179890)
[30] EP (18162579.9) 2018-03-19

[11] **3,095,358**
[13] C

[51] **Int.Cl. H01M 10/058 (2010.01) H01M 4/64 (2006.01)**
[25] EN
[54] **BATTERY CELL HAVING ELECTRODE PLATE WITH MULTIPLE TABS AND LITHIUM-ION BATTERY**
[54] **CELLULE DE BATTERIE AYANT UNE PLAQUE D'ELECTRODE A PLUSIEURS LANGUETTES ET BATTERIE AU LITHIUM-ION**
[72] ZENG, QIAO, CN
[72] JIANG, JING, CN
[72] WANG, KEFEI, CN
[73] NINGDE AMPEREX TECHNOLOGY LIMITED, CN
[85] 2020-09-28
[86] 2018-04-11 (PCT/CN2018/082717)
[87] (WO2019/196040)

[11] **3,095,840**
[13] C

[51] **Int.Cl. H01F 27/29 (2006.01) H01F 17/04 (2006.01) H01F 17/06 (2006.01) H01F 27/02 (2006.01) H01F 27/24 (2006.01) H01F 27/28 (2006.01)**
[25] EN
[54] **SYSTEM OF TERMINATION OF HIGH POWER TRANSFORMERS FOR REDUCED AC TERMINATION LOSS AT HIGH FREQUENCY**
[54] **SYSTEME DE TERMINAISON DE TRANSFORMATEURS DE FORTE PUISSANCE POUR REDUCTION DES PERTES DE TERMINAISON EN COURANT ALTERNATIF A HAUTE FREQUENCE**
[72] WAMBSGANSS, WARREN J., US
[73] ASTRONICS ADVANCED ELECTRONIC SYSTEMS CORP., US
[85] 2020-09-30
[86] 2019-04-29 (PCT/US2019/029704)
[87] (WO2019/217121)
[30] US (15/972,511) 2018-05-07

[11] **3,096,905**
[13] C

[51] **Int.Cl. C07D 213/68 (2006.01) A61K 31/44 (2006.01) A61K 31/4427 (2006.01) A61K 31/443 (2006.01) A61K 31/4436 (2006.01) A61P 17/00 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01)**
[25] EN
[54] **ANTI-INFLAMMATORY COMPOUND AND PREPARATION AND USE THEREOF**
[54] **COMPOSE ANTI-INFLAMMATOIRE ET PREPARATION ET UTILISATION ASSOCIEES**
[72] SHEN, WANG, CN
[72] LIU, PENGFEI, CN
[72] ZHU, JINPING, CN
[72] LUO, QIUPING, CN
[72] KE, PINGBO, CN
[72] LIU, YUFEI, CN
[72] SHEN, JIDA, CN
[73] E-NITIATE BIOPHARMACEUTICALS (HANGZHOU) CO., LTD., CN
[85] 2020-10-13
[86] 2019-03-21 (PCT/CN2019/078964)
[87] (WO2019/205843)
[30] CN (201810386572.6) 2018-04-26

**Canadian Patents Issued
January 9, 2024**

[11] **3,097,666**
[13] C

[51] **Int.Cl. A61B 10/02 (2006.01) A61B 90/11 (2016.01) A61B 90/17 (2016.01) A61B 17/34 (2006.01)**

[25] EN

[54] **DEVICES FOR GUIDING TISSUE TREATMENT AND/OR TISSUE REMOVAL PROCEDURES**

[54] **DISPOSITIFS POUR GUIDER DES PROCEDURES DE TRAITEMENT ET/OU D'ABLATION DE TISSU**

[72] KRISHNASWAMY, VENKATARAMANAN, US

[72] RIOUX, ROBERT F., US

[72] DANIELSEN, DAVID, US

[72] BOURNE, GEORGE, US

[73] CAIRNSURGICAL, INC., US

[85] 2020-10-16

[86] 2019-04-29 (PCT/US2019/029708)

[87] (WO2019/221899)

[30] US (62/671,609) 2018-05-15

[11] **3,098,848**
[13] C

[51] **Int.Cl. B62D 55/104 (2006.01) B62K 19/22 (2006.01) B62M 27/02 (2006.01)**

[25] EN

[54] **SNOWMOBILE**

[54] **MOTONEIGE**

[72] CONN, JEFFREY DENZEL, US

[72] KERNER, RICHARD D., US

[72] MILLS, ANDREW J., US

[72] RIPLEY, ANTHONY, US

[72] SAMPSON, MARTIN ELLIOTT, US

[72] SCHNEIDER, CURTIS, US

[72] THARALDSON, JOSEPH D., US

[73] POLARIS INDUSTRIES INC., US

[86] (3098848)

[87] (3098848)

[22] 2012-08-01

[62] 2,842,698

[30] US (61/513,949) 2011-08-01

[30] US (61/582,426) 2012-01-02

[11] **3,099,800**
[13] C

[51] **Int.Cl. C22F 1/05 (2006.01) C22C 21/08 (2006.01) C22C 21/10 (2006.01) C22F 1/053 (2006.01)**

[25] EN

[54] **HIGH STRENGTH 6XXX AND 7XXX ALUMINUM ALLOYS AND METHODS OF MAKING THE SAME**

[54] **ALLIAGES D'ALUMINIUM 6XXX ET 7XXX HAUTE RESISTANCE ET LEURS PROCEDES DE FABRICATION**

[72] LEYVRAZ, DAVID, CH

[72] WAGSTAFF, SAMUEL R., US

[72] DESPOIS, AUDE, CH

[72] FLOREY, GUILLAUME, CH

[72] KAMAT, RAJEEV G., US

[72] BEZENCON, CYRILLE, CH

[73] NOVELIS INC., US

[85] 2020-11-09

[86] 2019-05-14 (PCT/US2019/032246)

[87] (WO2019/222236)

[30] US (62/671,701) 2018-05-15

[11] **3,100,095**
[13] C

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **INDOLINE-1-CARBOXAMIDE COMPOUND, PREPARATION METHOD THEREFOR AND MEDICAL USE THEREOF**

[54] **COMPOSE D'INDOLINE-1-FORMAMIDE, SON PROCEDE DE PREPARATION ET SON UTILISATION MEDICALE**

[72] CHEN, XIANGYANG, CN

[72] PANG, YUCHENG, CN

[72] GAO, YINGXIANG, CN

[73] BEIJING INNOCARE PHARMA TECH CO., LTD., CN

[85] 2020-11-12

[86] 2019-05-09 (PCT/CN2019/086241)

[87] (WO2019/218928)

[30] CN (201810459147.5) 2018-05-15

[11] **3,100,194**
[13] C

[51] **Int.Cl. D04B 1/12 (2006.01) D04B 1/26 (2006.01)**

[25] EN

[54] **COMPRESSION GARMENT AND METHOD**

[54] **VETEMENT DE CONTENTION ET PROCEDE ASSOCIE**

[72] COLLINS, LARRY W., US

[72] CLARK, PHILLIP T., US

[73] BSN MEDICAL, INC., US

[85] 2020-11-12

[86] 2018-05-16 (PCT/US2018/032922)

[87] (WO2019/221722)

[30] US (15/981,046) 2018-05-16

[11] **3,100,201**
[13] C

[51] **Int.Cl. G08B 13/24 (2006.01) G08B 13/08 (2006.01) H04B 1/59 (2006.01)**

[25] EN

[54] **SECURITY ALARM SYSTEM COMPRISING AN RFID TAG**

[54] **SYSTEME D'ALARME DE SECURITE COMPRENANT UNE ETIQUETTE RFID**

[72] CARLSON, PAUL JUSTIN, CA

[72] CARLSON, JULIAN PAUL, CA

[73] 1010210 B.C. LTD., CA

[85] 2020-11-13

[86] 2019-05-17 (PCT/CA2019/000071)

[87] (WO2019/218050)

[30] US (62/672,593) 2018-05-17

[11] **3,101,335**
[13] C

[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/407 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **FUSED THIOPHENE COMPOUNDS**

[54] **COMPOSES DE THIOPHENE FUSIONNES**

[72] CHAN, KYLE W.H., US

[72] CHOURASIA, APARAJITA HOSKOTE, US

[72] ERDMAN, PAUL E., US

[72] FUNG, LEAH, US

[72] MERCURIO, FRANK, US

[72] SULLIVAN, ROBERT, US

[73] BIOTHERYX, INC., US

[85] 2020-11-23

[86] 2019-06-11 (PCT/US2019/036581)

[87] (WO2019/241271)

[30] US (62/684,495) 2018-06-13

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,101,365**
[13] C

[51] **Int.Cl. C12N 15/29 (2006.01) A01H 6/46 (2018.01) C12Q 1/6895 (2018.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 15/11 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **USE OF YR4DS GENE OF AEGILOPS TAUSCHII IN STRIPE RUST RESISTANCE BREEDING OF TRITICEAE PLANTS**

[54] **UTILISATION DU GENE YR4DS D'AEGILOPS TAUSCHII DANS L'AMELIORATION DE LA RESISTANCE A LA ROUILLE STRIEE DE PLANTES TRITICEAE**

[72] FU, DAOLIN, CN
[72] ZHANG, CHAOZHONG, CN
[72] LIU, DENGCAI, CN
[72] HUANG, LIN, CN
[72] WU, JIAJIE, CN
[72] ZHANG, HUIFEI, CN
[72] NI, FEI, CN
[72] ZHANG, LIANQUAN, CN
[72] GAO, GE, CN
[73] SHANDONG AGRICULTURAL UNIVERSITY, CN
[73] SICHUAN AGRICULTURAL UNIVERSITY, CN
[85] 2020-11-24
[86] 2019-04-29 (PCT/CN2019/084906)
[87] (WO2019/228118)
[30] CN (201810555355.5) 2018-06-01
[30] CN (201811424853.2) 2018-11-27

[11] **3,101,538**
[13] C

[51] **Int.Cl. A01K 67/033 (2006.01)**

[25] EN

[54] **LARGE-SCALE, HIGH DENSITY STORAGE OF LARVAE**

[54] **STOCKAGE DE LARVES A GRANDE ECHELLE ET A HAUTE DENSITE**

[72] MAURITS, PETRUS MARIA JANSEN, NL
[73] BUHLER AG, CH
[85] 2020-11-25
[86] 2019-06-05 (PCT/EP2019/064673)
[87] (WO2019/234107)
[30] EP (18175908.5) 2018-06-05

[11] **3,102,481**
[13] C

[51] **Int.Cl. G01S 19/46 (2010.01)**

[25] EN

[54] **FAST AND PRECISE POSITIONING METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE POSITIONNEMENT PRECIS ET RAPIDE**

[72] MU, XUCHENG, CN
[73] BEIJING FUTURE NAVIGATION TECHNOLOGY CO., LTD, CN
[85] 2020-12-03
[86] 2018-11-23 (PCT/CN2018/117070)
[87] (WO2019/233045)
[30] CN (201810566043.4) 2018-06-04

[11] **3,102,812**
[13] C

[51] **Int.Cl. C11D 1/94 (2006.01) C11D 3/386 (2006.01) C11D 11/00 (2006.01)**

[25] EN

[54] **ENZYMATIC POT AND PAN DETERGENT**

[54] **DETERGENT ENZYMATIQUE POUR POTS ET CASSEROLES**

[72] LIU, JOHNNY ZHENGRONG, US
[72] JENSEN, LYNDAL, US
[72] WERST, ELENA, US
[72] HODGE, CHARLES A., US
[73] ECOLAB USA INC., US
[85] 2020-12-04
[86] 2019-06-06 (PCT/US2019/035706)
[87] (WO2019/236788)
[30] US (62/681,796) 2018-06-07

[11] **3,102,851**
[13] C

[51] **Int.Cl. B66C 1/22 (2006.01) F16B 39/02 (2006.01) F16B 45/00 (2006.01)**

[25] EN

[54] **CONNECTION DEVICE FOR COUPLING A LOAD TO A LIFTING LUG BY MEANS OF A SUPPORT BOLT**

[54] **DISPOSITIF DE RACCORD POUR RACCORDER UNE CHARGE A UN ANNEAU DE LEVAGE AU MOYEN D'UN BOULON DE SUPPORT**

[72] IVANIC, RANKO, AT
[73] PEWAG AUSTRIA GMBH, AT
[86] (3102851)
[87] (3102851)
[22] 2020-12-15
[30] DE (10 2019 135 324.6) 2019-12-19

[11] **3,103,070**
[13] C

[51] **Int.Cl. A61N 1/32 (2006.01) A61N 1/40 (2006.01)**

[25] EN

[54] **INHIBITING VIRAL INFECTION USING ALTERNATING ELECTRIC FIELDS**

[54] **INHIBITION D'UNE INFECTION VIRALE A L'AIDE DE CHAMPS ELECTRIQUES ALTERNATIFS**

[72] KAYNAN, NOA, IL
[72] VOLOSHIN-SELA, TALI, IL
[72] GILADI, MOSHE, IL
[72] KIRSON, EILON D., IL
[73] NOVOCURE GMBH, CH
[85] 2020-12-08
[86] 2019-07-09 (PCT/IB2019/055852)
[87] (WO2020/012364)
[30] US (62/695,925) 2018-07-10

[11] **3,103,308**
[13] C

[51] **Int.Cl. B62D 55/07 (2006.01)**

[25] EN

[54] **TAPERED SHORT TUNNEL FOR A SNOWMOBILE**

[54] **COURT TUNNEL CONIQUE POUR UNE MOTONEIGE**

[72] LAUGEN, JESSE J., US
[72] KOFSTAD, CODY S., US
[72] DAHLGREN, LYLE J., US
[72] WILSON, LUC C., US
[73] POLARIS INDUSTRIES INC., US
[86] (3103308)
[87] (3103308)
[22] 2020-12-18
[30] US (16/723789) 2019-12-20

[11] **3,103,733**
[13] C

[51] **Int.Cl. C01F 11/46 (2006.01) B01D 53/34 (2006.01) B01D 53/50 (2006.01) B01D 53/52 (2006.01) C01B 17/04 (2006.01) F02C 3/00 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR DESULFURIZING NATURAL GAS**

[54] **DISPOSITIF ET PROCEDE DE DESULFURATION DE PETROLE BRUT**

[72] HUELLER, ROLF, DE
[73] KNAUF GIPS KG, DE
[85] 2020-12-14
[86] 2019-06-06 (PCT/EP2019/064832)
[87] (WO2019/243074)
[30] DE (10 2018 114 535.7) 2018-06-18

**Canadian Patents Issued
January 9, 2024**

[11] **3,103,808**
[13] C

[51] **Int.Cl. A23L 2/52 (2006.01) A23L 7/10 (2016.01) A23L 33/21 (2016.01) A23L 2/66 (2006.01)**

[25] EN

[54] **A NON-ALCOHOLIC FUNCTIONAL BEVERAGE WITH A MALT BASE OR BASED ON NON-ALCOHOLIC BEER OR A WATER-AROMA BASE ENRICHED WITH AMINO ACIDS AND DIETARY FIBRE AS WELL AS A METHOD OF MANUFACTURING A NON-ALCOHOLIC FUNCTIONAL BEVERAGE WITH A MALT BASE OR BASED ON NON-ALCOHOLIC BEER OR A WATER-AROMA BASE, ENRICHED WITH AMINO ACIDS AND DIETARY FIBRE**

[54] **BOISSON FONCTIONNELLE NON ALCOOLISEE AVEC UNE BASE DE MALT OU A BASE DE BIERE NON ALCOOLISEE OU AVEC UNE BASE EAU-AROME ENRICHIE EN ACIDES AMINES ET EN FIBRES ALIMENTAIRES, AINSI QU'UN PROCEDE DE FABRICATION D'UNE BOISSON FONCTIONNELLE NON ALCOOLISEE AVEC UNE BASE DE MALT OU A BASE DE BIERE NON ALCOOLISEE OU AVEC UNE BASE EAU-AROME, ENRICHIE EN ACIDES AMINE**

[72] BERLOWSKA, JOANNA, PL
[72] KREGIEL, DOROTA, PL
[72] ANTOLAK, HUBERT, PL
[72] SZYMANSKA, MONIKA, PL
[73] DRINK ID SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, PL

[85] 2020-12-14
[86] 2018-08-31 (PCT/PL2018/000085)
[87] (WO2019/240603)
[30] PL (P.425903) 2018-06-12

[11] **3,104,373**
[13] C

[51] **Int.Cl. H04B 7/06 (2006.01)**

[25] EN

[54] **BEAM SELECTION METHOD AND APPARATUS, AND STORAGE MEDIUM**

[54] **PROCEDE DE SELECTION DE FAISCEAU, DISPOSITIF ET SUPPORT D'INFORMATIONS**

[72] ZHANG, PENGCHENG, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2020-12-18
[86] 2019-06-27 (PCT/CN2019/093232)
[87] (WO2020/001527)
[30] CN (201810689743.2) 2018-06-28

[11] **3,104,756**
[13] C

[51] **Int.Cl. H04L 41/06 (2022.01) H04L 41/0681 (2022.01) H04L 45/18 (2022.01) H04L 45/28 (2022.01) H04L 45/741 (2022.01) H04L 45/745 (2022.01)**

[25] EN

[54] **LOOP AVOIDANCE COMMUNICATIONS METHOD, DEVICE, AND SYSTEM**

[54] **PROCEDE DE COMMUNICATION, DISPOSITIF ET SYSTEME POUR EVITER UNE BOUCLE**

[72] HU, CHONGYANG, CN
[72] WANG, HAIBO, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2020-12-22
[86] 2019-06-23 (PCT/CN2019/092444)
[87] (WO2020/001389)
[30] CN (201810703111.7) 2018-06-30

[11] **3,105,461**
[13] C

[51] **Int.Cl. H04N 19/103 (2014.01) H04N 19/119 (2014.01) H04N 19/157 (2014.01) H04N 19/176 (2014.01) H04N 19/70 (2014.01)**

[25] EN

[54] **ENCODER, DECODER, ENCODING METHOD, AND DECODING METHOD**

[54] **DISPOSITIF DE CODAGE, DISPOSITIF DE DECODAGE, PROCEDE DE CODAGE ET PROCEDE DE DECODAGE**

[72] LIAO, RU LING, SG
[72] LIM, CHONG SOON, SG
[72] SUN, HAI WEI, SG
[72] TEO, HAN BOON, SG
[72] LI, JING YA, SG
[72] SHASHIDHAR, SUGHOSH PAVAN, SG

[72] ABE, KIYOFUMI, JP
[72] NISHI, TAKAHIRO, JP
[72] TOMA, TADAMASA, JP
[73] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US

[85] 2020-12-31
[86] 2019-07-02 (PCT/JP2019/026212)
[87] (WO2020/009086)
[30] US (62/693,987) 2018-07-04

[11] **3,105,762**
[13] C

[51] **Int.Cl. G06Q 10/083 (2023.01) A47B 81/00 (2006.01) A47G 29/30 (2006.01) E05G 1/00 (2006.01) E05G 1/026 (2006.01) E05G 1/08 (2006.01)**

[25] EN

[54] **SYSTEM FOR PARCEL TRANSPORT AND TRACKING OPERATED RESPONSIVE TO DATA BEARING RECORDS**

[54] **SYSTEME DE TRANSPORT DE COLIS ET SUIVI EXPLOITE EN REPONSE A DES DOSSIERS CONTENANT DES DONNEES**

[72] ESTILL, JIM, CA
[72] MCLEAN, PAUL, CA
[73] DANBY PRODUCTS LIMITED, CA

[86] (3105762)
[87] (3105762)
[22] 2021-01-13
[30] US (62/961,323) 2020-01-15

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,106,211**
[13] C

- [51] **Int.Cl. A01G 20/47 (2018.01) F04D 25/08 (2006.01)**
[25] EN
[54] **BLOWERS**
[54] **SOUFFLANTES**
[72] OLVERA, EDUARDO, US
[72] GAMBHIR, V. PRAVEEN, US
[73] TECHTRONIC CORDLESS GP, US
[86] (3106211)
[87] (3106211)
[22] 2021-01-18
[30] US (62/963,796) 2020-01-21

[11] **3,106,493**
[13] C

- [51] **Int.Cl. C07D 207/456 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 5/00 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **A LINKER FOR ANTIBODY-DRUG CONJUGATES AND ITS USE**
[54] **LIEUR POUR DES CONJUGUES ANTICORPS-MEDICAMENT ET UTILISATIONS CONNEXES**
[72] HUANG, CHANGJIANG, CN
[72] YE, HUI, CN
[72] CHEN, HU, CN
[72] ZHAN, XIUZHI, CN
[72] SHEN, NAN, CN
[72] LUO, WENTING, CN
[72] HOU, QIAOHUA, CN
[72] FANG, JIANMIN, CN
[73] REMEGEN, CO., LTD., CN
[85] 2021-01-14
[86] 2019-12-13 (PCT/CN2019/124982)
[87] (WO2020/125546)
[30] CN (201811541356.0) 2018-12-17

[11] **3,106,713**
[13] C

- [51] **Int.Cl. A61K 51/08 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **POSITRON EMITTING RADIONUCLIDE LABELED PEPTIDES FOR HUMAN UPAR PET IMAGING**
[54] **PEPTIDES MARQUES PAR UN RADIONUCLEIDE EMETTANT DES POSITRONS POUR UNE IMAGERIE PAR TOMOGRAPHIE PAR EMISSION DE POSITRONS (PET) D'UPAR HUMAIN**
[72] KJAER, ANDREAS, DK
[72] PERSSON, MORTEN, DK
[72] MADSEN, JACOB, DK
[73] CURASIGHT A/S, DK
[86] (3106713)
[87] (3106713)
[22] 2013-11-29
[62] 2,903,261
[30] US (61/732,443) 2012-12-03
[30] DK (PA 2012 70751) 2012-12-03

[11] **3,108,228**
[13] C

- [51] **Int.Cl. G03B 37/00 (2021.01) G01S 19/14 (2010.01) G01S 17/88 (2006.01)**
[25] EN
[54] **APPARATUS FOR RECORDING DATA TO PRODUCE A LOCALIZED PANORAMIC IMAGE OF A STREET AND METHOD RELATED THERETO**
[54] **APPAREIL D'ENREGISTREMENT DE DONNEES POUR PRODUIRE UNE IMAGE PANORAMIQUELOCALISEE D'UNE RUE, ET METHODE CONNEXE**
[72] FRETTER, CHRISTOPH, DE
[73] PARKLING GMBH, DE
[86] (3108228)
[87] (3108228)
[22] 2021-02-05
[30] EP (20 159 008.0) 2020-02-24

[11] **3,108,265**
[13] C

- [51] **Int.Cl. A61K 47/38 (2006.01) A61K 9/50 (2006.01) A61K 47/32 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING PARTICLE, AND PARTICLE PRODUCED BY THE METHOD AND MEDICAMENT**
[54] **PROCEDE DE PRODUCTION DE PARTICULES, ET PARTICULE PRODUITE PAR LE PROCEDE ET MEDICAMENT**
[72] ONOUE, SATOMI, JP
[72] SATO, HIDEYUKI, JP
[72] MORINAGA, TADAHIKO, JP
[72] MORITANI, TATSURU, JP
[73] RICOH COMPANY, LTD., JP
[73] SHIZUOKA PREFECTURAL UNIVERSITY CORPORATION, JP
[85] 2021-01-29
[86] 2019-07-29 (PCT/JP2019/029606)
[87] (WO2020/027030)
[30] JP (2018-142550) 2018-07-30
[30] JP (2019-111757) 2019-06-17

[11] **3,108,765**
[13] C

- [51] **Int.Cl. B23K 9/073 (2006.01) B23K 9/09 (2006.01) B23K 9/095 (2006.01) B23K 9/10 (2006.01) B23K 9/173 (2006.01) B23K 9/32 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTO-TUNING A GMAW WELDING PROCESS**
[54] **SYSTEMES ET METHODES D'AUTO-REGLAGE D'UN PROCEDE DE SOUDAGE GMAW**
[72] DAVIDSON, ROBERT R., US
[72] SCHWARTZ, VALARIE, US
[72] WAGNER, DUSTIN, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2021-02-04
[86] 2019-07-30 (PCT/US2019/044181)
[87] (WO2020/046521)
[30] US (16/119,890) 2018-08-31

**Canadian Patents Issued
January 9, 2024**

[11] **3,108,779**
[13] C

[51] **Int.Cl. H04L 45/74 (2022.01) H04L 45/16 (2022.01) H04L 45/741 (2022.01) H04L 61/5014 (2022.01) H04L 61/5092 (2022.01)**

[25] EN
[54] **MESH NETWORK ADDRESSING**
[54] **ADRESSAGE DE RESEAU MAILLE**
[72] HUI, JONATHAN WING-YAN, US
[72] WOODYATT, JAMES H., US
[72] TURON, MARTIN A., US
[73] GOOGLE LLC, US
[86] (3108779)
[87] (3108779)
[22] 2016-01-20
[62] 2,971,450
[30] US (62/111,510) 2015-02-03
[30] US (62/131,188) 2015-03-10
[30] US (14/798,451) 2015-07-13
[30] US (14/798,452) 2015-07-13
[30] US (14/798,448) 2015-07-13
[30] US (14/798,455) 2015-07-13
[30] US (14/798,456) 2015-07-13

[11] **3,109,801**
[13] C

[51] **Int.Cl. C12N 5/10 (2006.01) A01H 6/20 (2018.01) A01H 6/46 (2018.01) A01H 6/54 (2018.01) A01H 6/60 (2018.01) A01H 5/00 (2018.01) C12N 5/04 (2006.01) C12N 9/22 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/82 (2006.01) C12N 15/90 (2006.01)**

[25] EN
[54] **PLANT GENOME MODIFICATION USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS AND METHODS OF USE**
[54] **MODIFICATION DU GENOME DES PLANTES A L'AIDE DE SYSTEMES D'ARN DE GUIDA /ENDONUCLEASE CAS ET LEURS PROCEDES D'UTILISATION**
[72] CIGAN, ANDREW, US
[72] FALCO, SAVERIO CARL, US
[72] GAO, HUIRONG, US
[72] LI, ZHONGSEN, US
[72] LIU, ZHAN-BIN, US
[72] LYZNIK, L. ALEKSANDER, US
[72] SHI, JINRUI, US
[72] SVITASHEV, SERGEI, US
[72] YOUNG, JOSHUA K., US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[73] E. I. DU PONT DE NEMOURS AND COMPANY, US
[86] (3109801)
[87] (3109801)
[22] 2014-08-20
[62] 2,922,089
[30] US (61/868,706) 2013-08-22
[30] US (61/882,532) 2013-09-25
[30] US (61/937,045) 2014-02-07
[30] US (61/953,090) 2014-03-14
[30] US (62/023,239) 2014-07-11

[11] **3,110,028**
[13] C

[51] **Int.Cl. B22F 9/08 (2006.01) C22C 45/02 (2006.01) H01F 1/153 (2006.01)**

[25] EN
[54] **PRODUCTION METHOD FOR WATER-ATOMIZED METAL POWDER**
[54] **PROCEDE DE FABRICATION DE POUDRE METALLIQUE ATOMISEE A L'EAU**
[72] NAKASEKO, MAKOTO, JP
[72] NAKAMURA, NAOMICHI, JP
[72] KOBAYASHI, AKIO, JP
[72] TAKASHITA, TAKUYA, JP
[73] JFE STEEL CORPORATION, JP
[85] 2021-02-18
[86] 2019-10-10 (PCT/JP2019/040049)
[87] (WO2020/075814)
[30] JP (2018-192257) 2018-10-11

[11] **3,112,453**
[13] C

[51] **Int.Cl. B65D 1/40 (2006.01) B65D 1/02 (2006.01) B65D 23/10 (2006.01)**

[25] EN
[54] **CONTAINER WITH APERTURED SHRINK SLEEVE AND RELATED PROCESSES**
[54] **RECIPIENT AVEC MANCHON RETRACTABLE A OUVERTURE ET PROCEDES ASSOCIES**
[72] YATES, CLAIRE REBECCA, US
[72] HARTSHORN, RICHARD TIMOTHY, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-03-10
[86] 2019-10-14 (PCT/US2019/056035)
[87] (WO2020/091977)
[30] US (62/753,326) 2018-10-31

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,112,717**
[13] C

[51] **Int.Cl. G02B 23/24 (2006.01) G02B 13/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR STANDALONE ENDOSCOPIC OBJECTIVE IMAGE ANALYSIS**
[54] **SYSTEMES ET PROCÉDES POUR L'ANALYSE D'IMAGES D'OBJECTIF D'ENDOSCOPE AUTONOME**
[72] DYBIEC, MACIEJ, US
[73] STERIS INSTRUMENT MANAGEMENT SERVICES, INC., US
[85] 2021-03-12
[86] 2019-09-11 (PCT/US2019/050574)
[87] (WO2020/055974)
[30] US (16/129,519) 2018-09-12

[11] **3,112,801**
[13] C

[51] **Int.Cl. B65B 35/00 (2006.01) B25J 9/02 (2006.01) B25J 9/10 (2006.01) B65B 35/10 (2006.01) B65D 6/04 (2006.01) B65G 47/50 (2006.01)**
[25] EN
[54] **ROBOTIC KITTING SYSTEM**
[54] **SYSTEME DE MISE EN KIT ROBOTIQUE**
[72] MENON, SAMIR, US
[72] HEGDAHL, ROBERT, US
[72] SUN, ZHOUWEN, US
[72] CHAVEZ, KEVIN, US
[72] MORRIS-DOWNING, TALBOT, US
[72] SUN, CUTHBERT, US
[73] DEXTERITY, INC., US
[85] 2021-03-12
[86] 2019-09-19 (PCT/US2019/051882)
[87] (WO2020/068545)
[30] US (16/143,278) 2018-09-26
[30] US (16/224,513) 2018-12-18

[11] **3,114,088**
[13] C

[51] **Int.Cl. H05B 45/37 (2020.01) H02S 10/00 (2014.01) H05B 45/325 (2020.01) H05B 45/40 (2020.01) H05B 47/16 (2020.01) H05B 47/175 (2020.01) H05B 47/18 (2020.01) H02J 7/00 (2006.01)**
[25] EN
[54] **MODULAR LIGHTING PANEL**
[54] **PANNEAU D'ECLAIRAGE MODULAIRE**
[72] DEJONGE, STUART W., US
[72] NEWMAN, ROBERT C., JR, US
[72] NUHFER, MATTHEW W., US
[72] PESSINA, MICHAEL W., US
[72] SHEARER, THOMAS M., US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[86] (3114088)
[87] (3114088)
[22] 2017-07-21
[62] 3,031,630
[30] US (62/365,773) 2016-07-22

[11] **3,114,536**
[13] C

[51] **Int.Cl. C12Q 1/28 (2006.01) G01N 1/38 (2006.01) G01N 21/62 (2006.01) G01N 21/77 (2006.01)**
[25] EN
[54] **A METHOD FOR DETERMINING LIKELIHOOD OF AN INFLAMMATORY GASTROINTESTINAL TRACT DISEASE**
[54] **METHODE DE DETERMINATION DE LA PROBABILITE D'UNE MALADIE INFLAMMATOIRE DU TUBE DIGESTIF**
[72] KULPAKKO, JANNE, FI
[72] JANSEN, ANITA, FI
[72] ERKKILA, RIIKKA, FI
[73] AQSENS HEALTH OY, FI
[86] (3114536)
[87] (3114536)
[22] 2021-04-09
[30] EP (20169854.5) 2020-04-16

[11] **3,114,588**
[13] C

[51] **Int.Cl. G01D 11/24 (2006.01) G01K 1/02 (2021.01) G01K 1/14 (2021.01) G01N 27/12 (2006.01)**
[25] EN
[54] **ELECTRONICS HOUSING WITH THERMAL FLUID DETECTION**
[54] **BOITIER ELECTRONIQUE AVEC DETECTION DE FLUIDE THERMIQUE**
[72] HOLMSTADT, CLARENCE E., US
[73] ROSEMOUNT INC., US
[85] 2021-03-26
[86] 2019-09-25 (PCT/US2019/052901)
[87] (WO2020/068941)
[30] US (16/146,025) 2018-09-28

[11] **3,114,610**
[13] C

[51] **Int.Cl. E21B 41/00 (2006.01) E21B 7/06 (2006.01) E21B 23/12 (2006.01) E21B 29/06 (2006.01)**
[25] EN
[54] **COMBINED MULTILATERAL WINDOW AND DEFLECTOR AND JUNCTION SYSTEM**
[54] **FENETRE MULTILATERALE ET DEFLECTEUR COMBINES ET SYSTEME DE JONCTION**
[72] HEPBURN, NEIL, GB
[72] TELFER, STUART ALEXANDER, GB
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-03-26
[86] 2019-11-26 (PCT/US2019/063213)
[87] (WO2020/112745)
[30] US (62/772,679) 2018-11-29
[30] US (16/695,559) 2019-11-26

[11] **3,115,533**
[13] C

[51] **Int.Cl. E01C 23/06 (2006.01)**
[25] EN
[54] **A LOW-EMISSION HOT-IN-PLACE ASPHALT RECYCLING EQUIPMENT TRAIN SYSTEM**
[54] **SYSTEME DE TRAIN D'EQUIPEMENT DE RECYCLAGE D'ASPHALTE A CHAUD SUR PLACE DE FAIBLE EMISSION**
[72] YI, WEIHONG, CA
[73] WTD HEAT TECHNOLOGY LTD., CA
[86] (3115533)
[87] (3115533)
[22] 2021-04-19

**Canadian Patents Issued
January 9, 2024**

[11] **3,115,911**
[13] C

[51] **Int.Cl. A61B 34/30 (2016.01) A61B 17/16 (2006.01) A61B 17/17 (2006.01) A61F 2/46 (2006.01)**

[25] EN

[54] **END EFFECTOR FOR ROBOTIC SHOULDER ARTHROPLASTY**

[54] **EFFECTEUR D'ARTHROPLASTIE D'EPAULE ROBOTIQUE**

[72] ABIVEN, JEAN-GUILLAUME, CA

[72] DUPUIS, KARINE, CA

[72] NGUYEN, TRONG-TIN, CA

[73] ORTHOSOFT ULC, CA

[86] (3115911)

[87] (3115911)

[22] 2021-04-20

[30] US (63/015,217) 2020-04-24

[30] US (17/224,841) 2021-04-07

[11] **3,115,992**
[13] C

[51] **Int.Cl. F15B 15/06 (2006.01) F15B 15/08 (2006.01) F16H 25/20 (2006.01) F16H 25/24 (2006.01)**

[25] EN

[54] **SPACE-CONSTRAINED HYBRID LINEAR ACTUATOR**

[54] **ACTIONNEUR LINEAIRE HYBRIDE A CONTRAINTE SPATIALE**

[72] ORINO, D. CHRISTOPHER, US

[73] ELLRICH ENGINEERING, LLC, US

[85] 2021-04-09

[86] 2019-10-15 (PCT/US2019/056369)

[87] (WO2020/086340)

[30] US (16/172,334) 2018-10-26

[11] **3,116,286**
[13] C

[51] **Int.Cl. C08L 1/02 (2006.01) C08K 3/013 (2018.01) B32B 23/00 (2006.01) C08K 5/092 (2006.01) C08L 79/02 (2006.01) C08L 101/06 (2006.01)**

[25] EN

[54] **GAS-BARRIER COMPOSITION**

[54] **COMPOSITION DE BARRIERE AUX GAZ**

[72] KINOSHITA, YUUKI, JP

[72] NAGAHAMA, HIDEAKI, JP

[72] YAMADA, TOSHIKI, JP

[73] TOYO SEIKAN GROUP HOLDINGS, LTD., JP

[85] 2021-04-13

[86] 2019-10-09 (PCT/JP2019/039790)

[87] (WO2020/085090)

[30] JP (2018-198537) 2018-10-22

[11] **3,116,924**
[13] C

[51] **Int.Cl. A61L 2/18 (2006.01)**

[25] EN

[54] **DENTAL OR MEDICAL DEVICE FOR SANITIZING OR MAINTENANCE OF A LOAD**

[54] **DISPOSITIF DENTAIRE OU MEDICAL DE DESINFECTION OU D'ENTRETIEN DE CHARGE**

[72] MAGNO, LUIGI MARINO, IT

[72] EIBL, JOHANN, AT

[73] W & H STERILIZATION S.R.L., IT

[85] 2021-04-19

[86] 2019-10-31 (PCT/EP2019/079759)

[87] (WO2020/089348)

[30] EP (18203584.0) 2018-10-31

[11] **3,117,243**
[13] C

[51] **Int.Cl. H01H 73/18 (2006.01)**

[25] EN

[54] **ARC-EXTINGUISHING DEVICE AND CIRCUIT BREAKER PROVIDED WITH ARC-EXTINGUISHING DEVICE**

[54] **DISPOSITIF D'EXTINCTION D'ARC ET DISJONCTEUR EQUIPE DUDIT DISPOSITIF**

[72] YANG, YIZHENG, CN

[72] HU, GANG, CN

[72] YANG, WENXUE, CN

[72] HUANG, YINFANG, CN

[72] ZHU, SHIJI, CN

[73] SHANGHAI LIANGXIN ELECTRICAL CO., LTD, CN

[85] 2021-04-21

[86] 2019-03-13 (PCT/CN2019/077966)

[87] (WO2020/098191)

[30] CN (201811347327.0) 2018-11-13

[11] **3,117,628**
[13] C

[51] **Int.Cl. B26D 5/06 (2006.01) B25J 9/18 (2006.01) B26D 7/00 (2006.01)**

[25] EN

[54] **ELECTRONIC CUTTING MACHINE**

[54] **MACHINE DE COUPE ELECTRONIQUE**

[72] CRYSTAL, JEREMY B., US

[72] GUBLER, JEFFERY V., US

[72] ROPER, CLARK L., US

[72] COLBY, JIM A., US

[72] TORGERSON, DANIEL, US

[72] ROMIG, ALAN, US

[72] BANDIS, STEVEN, US

[72] WAIBEL, MATTHEW, US

[72] WOLDBERG, ROBERT, US

[72] OLSEN, DONALD B., US

[72] TUTTLE, MATTHEW L., US

[72] DAVIS, JAMES T., II, US

[73] CRICUT, INC., US

[86] (3117628)

[87] (3117628)

[22] 2014-02-20

[62] 3,030,875

[30] US (61/767,138) 2013-02-20

[30] US (61/928,952) 2014-01-17

[11] **3,118,063**
[13] C

[51] **Int.Cl. B65G 47/19 (2006.01) B65G 11/00 (2006.01)**

[25] EN

[54] **RAW MATERIAL SUPPLY DEVICE, DEVICE FOR PROCESSING ELECTRONIC AND ELECTRICAL DEVICE PART SCRAPS, AND METHOD FOR PROCESSING ELECTRONIC AND ELECTRICAL DEVICE PART SCRAPS**

[54] **DISPOSITIF D'ALIMENTATION EN MATIERES PREMIERES, DISPOSITIF DE TRAITEMENT DE RESIDUS DE PARTIES DE DISPOSITIFS ELECTRONIQUES ET ELECTRIQUES, ET PROCEDE DE TRAITEMENT DE RESIDUS DE PARTIES DE DISPOSITIFS ELECTRONIQUES ET ELECTRIQUES**

[72] AOKI, KATSUSHI, JP

[72] TOKITA, YUJIRO, JP

[73] JX METALS CORPORATION, JP

[85] 2021-04-28

[86] 2019-10-30 (PCT/JP2019/042697)

[87] (WO2020/090942)

[30] JP (2018-206162) 2018-10-31

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,118,300**
[13] C

[51] **Int.Cl. B05B 7/28 (2006.01) B05B 12/00 (2018.01)**
[25] EN
[54] **SPRAYER**
[54] **VAPORISATEUR**
[72] LO, NAN-SHUN, CN
[73] YUAN MEI CORP., CN
[86] (3118300)
[87] (3118300)
[22] 2021-05-13
[30] CN (110109555) 2021-03-17

[11] **3,118,577**
[13] C

[51] **Int.Cl. B29C 64/10 (2017.01) B33Y 10/00 (2015.01) B33Y 50/02 (2015.01) G06F 7/50 (2006.01) G06F 17/17 (2006.01) G06T 17/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRINTING COMPONENTS USING ADDITIVE MANUFACTURING**
[54] **SYSTEMES ET PROCEDES POUR L'IMPRESSION D'ELEMENTS A L'AIDE D'UNE FABRICATION ADDITIVE**
[72] SUSNJARA, KENNETH J., US
[72] VAAL, SCOTT G., US
[72] VOTE, NICOLAS C., US
[73] THERMWOOD CORPORATION, US
[85] 2021-05-03
[86] 2019-10-10 (PCT/US2019/055585)
[87] (WO2020/096727)
[30] US (16/186,053) 2018-11-09

[11] **3,119,111**
[13] C

[51] **Int.Cl. B60P 1/56 (2006.01) B60P 1/04 (2006.01) B60P 1/36 (2006.01)**
[25] EN
[54] **CONVERSION SYSTEM FOR ASPHALT BOLSTER DUMP TRUCK**
[54] **SYSTEME DE CONVERSION D'UN CAMION A BENNE A PLATEAU MOBILE D'ASPHALTAGE**
[72] RIKE, JAMES B., US
[73] PALMER TRUCKS, INC., US
[86] (3119111)
[87] (3119111)
[22] 2016-03-23
[62] 2,924,903
[30] US (62/137,791) 2015-03-24

[11] **3,118,950**
[13] C

[51] **Int.Cl. G01Q 30/04 (2010.01) G06F 16/901 (2019.01) G06V 10/20 (2022.01) G06V 10/764 (2022.01) G06T 7/00 (2017.01) G01Q 60/32 (2010.01)**
[25] EN
[54] **ATOMIC-FORCE MICROSCOPY FOR IDENTIFICATION OF SURFACES**
[54] **MICROSCOPIE A FORCE ATOMIQUE POUR L'IDENTIFICATION DE SURFACES**
[72] SOKOLOV, IGOR, US
[72] MILJKOVIC, MILOS, US
[73] TRUSTEES OF TUFTS COLLEGE, US
[85] 2021-05-05
[86] 2019-11-07 (PCT/US2019/060225)
[87] (WO2020/097302)
[30] US (62/756,958) 2018-11-07
[30] US (62/772,327) 2018-11-28

[11] **3,119,878**
[13] C

[51] **Int.Cl. A61B 5/06 (2006.01) A61B 5/0215 (2006.01) A61B 5/03 (2006.01) A61B 5/145 (2006.01) A61B 17/34 (2006.01) A61M 5/168 (2006.01) A61M 5/48 (2006.01) A61M 25/06 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND DEVICES FOR FACILITATING ACCESS TO TARGET ANATOMICAL SITES OR ENVIRONMENTS**
[54] **SYSTEMES, METHODES, ET DISPOSITIFS POUR FACILITER L'ACCES A DES SITES OU DES ENVIRONNEMENTS ANATOMIQUES CIBLES**
[72] SCHMIDT, KARL, US
[72] SWARTZ, DOUGLAS, US
[72] HULVERSHORN, JUSTIN, US
[73] MEDLINE INDUSTRIES, INC., US
[86] (3119878)
[87] (3119878)
[22] 2010-08-19
[62] 2,770,442
[30] US (61/235,004) 2009-08-19
[30] US (61/300,794) 2010-02-02

[11] **3,119,278**
[13] C

[51] **Int.Cl. G06Q 10/0836 (2023.01) G06Q 10/0833 (2023.01) A47G 29/30 (2006.01) E05B 47/00 (2006.01) E05G 1/02 (2006.01) E05G 1/026 (2006.01)**
[25] EN
[54] **SYSTEM FOR PARCEL TRANSPORT AND TRACKING OPERATED RESPONSIVE TO DATA BEARING RECORDS**
[54] **SYSTEME DE TRANSPORT DE COLIS ET SUIVI EXPLOITE EN REPONSE A DES DOSSIERS CONTENANT DES DONNEES**
[72] ESTILL, JIM, CA
[72] MCLEAN, PAUL, CA
[73] DANBY PRODUCTS LIMITED, CA
[86] (3119278)
[87] (3119278)
[22] 2021-05-20
[30] US (63/047,591) 2020-07-02

[11] **3,119,878**
[13] C

[51] **Int.Cl. A61B 5/06 (2006.01) A61B 5/0215 (2006.01) A61B 5/03 (2006.01) A61B 5/145 (2006.01) A61B 17/34 (2006.01) A61M 5/168 (2006.01) A61M 5/48 (2006.01) A61M 25/06 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND DEVICES FOR FACILITATING ACCESS TO TARGET ANATOMICAL SITES OR ENVIRONMENTS**
[54] **SYSTEMES, METHODES, ET DISPOSITIFS POUR FACILITER L'ACCES A DES SITES OU DES ENVIRONNEMENTS ANATOMIQUES CIBLES**
[72] SCHMIDT, KARL, US
[72] SWARTZ, DOUGLAS, US
[72] HULVERSHORN, JUSTIN, US
[73] MEDLINE INDUSTRIES, INC., US
[86] (3119878)
[87] (3119878)
[22] 2010-08-19
[62] 2,770,442
[30] US (61/235,004) 2009-08-19
[30] US (61/300,794) 2010-02-02

**Canadian Patents Issued
January 9, 2024**

[11] **3,119,952**
[13] C

[51] **Int.Cl. C01B 17/76 (2006.01) C01B 17/74 (2006.01) C01B 17/765 (2006.01)**

[25] EN

[54] **ENERGY RECOVERY IN MANUFACTURE OF SULFURIC ACID**

[54] **RECUPERATION D'ENERGIE DANS LA FABRICATION D'ACIDE SULFURIQUE**

[72] VERA-CASTANEDA, ERNESTO, US

[73] MECS, INC., US

[86] (3119952)

[87] (3119952)

[22] 2011-01-20

[62] 3,012,769

[30] US (61/296,741) 2010-01-20

[30] US (61/382,882) 2010-09-14

[11] **3,119,970**
[13] C

[51] **Int.Cl. B05B 3/12 (2006.01) B05B 15/50 (2018.01) B05B 15/52 (2018.01) B05B 15/58 (2018.01) A01C 15/00 (2006.01) A01C 23/00 (2006.01) A01M 7/00 (2006.01)**

[25] EN

[54] **SPRAYER BOOM RECIRCULATION AND MIXING SYSTEMS AND METHODS FOR SAME**

[54] **SYSTEMES DE RECIRCULATION ET DE MELANGE DE RAMPE DE PULVERISATEUR ET PROCEDES ASSOCIES**

[72] WAGERS, JESSE LEE, US

[72] MICHAEL, NICHOLAS O., US

[73] RAVEN INDUSTRIES, INC., US

[85] 2021-05-13

[86] 2019-11-14 (PCT/US2019/061563)

[87] (WO2020/102600)

[30] US (62/767,280) 2018-11-14

[11] **3,119,978**
[13] C

[51] **Int.Cl. B22C 3/00 (2006.01) B22D 13/10 (2006.01)**

[25] EN

[54] **MOULD POWDER AND MOULD COATING**

[54] **POUDRE POUR MOULE ET REVETEMENT DE MOULE**

[72] GUILLEMIN, FRANCOIS, FR

[72] TOUMI, MOURAD, FR

[73] ELKEM ASA, NO

[85] 2021-05-13

[86] 2019-11-28 (PCT/NO2019/050261)

[87] (WO2020/111948)

[30] FR (1872082) 2018-11-29

[11] **3,120,951**
[13] C

[51] **Int.Cl. C04B 28/26 (2006.01) B32B 37/24 (2006.01) C04B 14/02 (2006.01) C04B 41/65 (2006.01) D06N 5/00 (2006.01)**

[25] EN

[54] **BUILDING MATERIALS COMPRISING CARBON-DIOXIDE-TREATED AGGLOMERATED PARTICLES**

[54] **MATERIAUX DE CONSTRUCTION COMPRENANT DES PARTICULES AGGLOMEREES TRAITÉES AU DIOXYDE DE CARBONE**

[72] WILSON, PETER M., US

[73] SPECIALTY GRANULES INVESTMENTS LLC, US

[86] (3120951)

[87] (3120951)

[22] 2021-06-01

[30] US (17/328,520) 2021-05-24

[11] **3,121,439**
[13] C

[51] **Int.Cl. C09D 133/08 (2006.01) C09D 7/20 (2018.01) C09D 7/42 (2018.01) C09D 7/61 (2018.01) B05D 1/36 (2006.01) C09D 5/00 (2006.01) C09D 133/14 (2006.01) C09D 175/00 (2006.01)**

[25] EN

[54] **A CLEAR COATING COMPOSITION WITH IMPROVED GLOSS STABILITY FIELD**

[54] **COMPOSITION DE REVETEMENT CLAIR A CHAMP DE STABILITE DE BRILLANCE AMELIORE**

[72] MURATA, HIROSHI, JP

[72] UOZUMI, TORU, JP

[72] OMURA, MASAHIRO, JP

[73] KANSAI PAINT CO., LTD., JP

[85] 2021-05-28

[86] 2019-09-13 (PCT/JP2019/036208)

[87] (WO2020/115984)

[30] JP (2018-230226) 2018-12-07

[11] **3,121,824**
[13] C

[51] **Int.Cl. C08L 97/00 (2006.01) C08H 8/00 (2010.01) C07G 1/00 (2011.01) C08J 5/18 (2006.01) C08L 3/00 (2006.01) C08L 5/00 (2006.01) C08L 67/04 (2006.01) C08L 101/16 (2006.01) C09J 197/00 (2006.01)**

[25] EN

[54] **BIODEGRADABLE AND/OR COMPOSTABLE THERMOPLASTIC COMPOSITION COMPRISING LIGNIN, USE OF SAID COMPOSITION AND PRODUCT COMPRISING THEREOF**

[54] **COMPOSITION THERMOPLASTIQUE BIODEGRADABLE ET/OU COMPOSTABLE COMPRENANT DE LA LIGNINE, UTILISATION DE LADITE COMPOSITION ET PRODUIT LA COMPRENANT**

[72] TORREZAN, TALYTA, BR

[72] MARCONDES AGNELLI, JOSE AUGUSTO, BR

[72] PRADO BETTINI, SILVIA HELENA, BR

[73] FUNDACAO UNIVERSIDADE FEDERAL DE SAO CARLOS, BR

[73] SUZANO S.A., BR

[85] 2021-06-02

[86] 2019-12-04 (PCT/BR2019/050521)

[87] (WO2020/113302)

[30] BR (102018075225-1) 2018-12-05

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,122,150**
[13] C

[51] **Int.Cl. A01B 63/16 (2006.01) A01B 71/04 (2006.01) A01C 5/06 (2006.01) A01C 7/20 (2006.01) F16B 39/02 (2006.01)**

[25] EN

[54] **GAUGE WHEEL ARM WITH SPLIT END AND THREADED BORE**

[54] **BRAS DE ROUE DE JAUGE A EXTREMITE FENDUE ET ALESAGE FILETE**

[72] SIVINSKI, JEFFREY ALAN, US

[73] HARVEST INTERNATIONAL, INC., US

[85] 2021-06-04

[86] 2019-11-06 (PCT/US2019/060022)

[87] (WO2020/117418)

[30] US (62/776,848) 2018-12-07

[30] US (16/661,468) 2019-10-23

[11] **3,122,685**
[13] C

[51] **Int.Cl. G01V 1/28 (2006.01) G01V 1/30 (2006.01)**

[25] EN

[54] **AUTOMATED SEISMIC INTERPRETATION SYSTEMS AND METHODS FOR CONTINUAL LEARNING AND INFERENCE OF GEOLOGICAL FEATURES**

[54] **SYSTEMES ET PROCEDES D'INTERPRETATION SISMIQUE AUTOMATISEE POUR L'APPRENTISSAGE ET L'INFERENCE EN CONTINU DE CARACTERISTIQUES GEOLOGIQUES**

[72] DENLI, HUSEYIN, US

[72] LIU, KUANG-HUNG, US

[72] LIU, WEI D. (DECEASED), US

[72] KOVALSKI, MICHAEL H., US

[72] SOM DE CERFF, VICTORIA M., US

[72] MACDONALD, CODY J., US

[72] HERNANDEZ, DIEGO A., US

[73] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US

[85] 2021-06-09

[86] 2019-11-15 (PCT/US2019/061797)

[87] (WO2020/123100)

[30] US (62/777,941) 2018-12-11

[30] US (62/849,574) 2019-05-17

[11] **3,122,737**
[13] C

[51] **Int.Cl. G07C 3/14 (2006.01) G01N 37/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PRODUCING STATISTICALLY VALID ASSAY MEANS AND RANGES FOR QUALITY CONTROL MATERIALS**

[54] **SYSTEME ET PROCEDE DE GENERATION DE MOYENNES ET D'INTERVALLES D'ESSAI STATISTIQUEMENT VALIDES POUR MATERIAUX DE CONTROLE QUALITE**

[72] KUCHIPUDI, LAKSHMI, US

[72] PARVIN, CURTIS, US

[72] YUNDT-PACHECO, JOHN, US

[73] BIO-RAD LABORATORIES, INC., US

[86] (3122737)

[87] (3122737)

[22] 2012-03-27

[62] 2,831,443

[30] US (13/074,649) 2011-03-29

[11] **3,124,082**
[13] C

[51] **Int.Cl. A01B 73/02 (2006.01)**

[25] EN

[54] **AUTONOMOUS FOLDING FARM IMPLEMENT AND METHOD**

[54] **APPAREIL AGRICOLE PLIANT AUTONOME ET METHODE**

[72] KINCH, OWEN, CA

[72] HEDAYATPOUR, MOJTABA, CA

[73] MOJOW AUTONOMOUS SOLUTIONS INC., CA

[86] (3124082)

[87] (3124082)

[22] 2021-07-07

[30] US (63/106,780) 2020-10-28

[11] **3,125,596**
[13] C

[51] **Int.Cl. A61F 13/505 (2006.01) A61F 13/474 (2006.01) A61F 13/476 (2006.01)**

[25] EN

[54] **SANITARY ARTICLE WITH REMOVABLE LATERAL AND/OR END PORTIONS**

[54] **ARTICLE HYGIENIQUE AVEC PARTIES LATERALES AMOVIBLES ET/OU PARTIES D'EXTREMITE AMOVIBLES**

[72] HIDISAN, IOANA MIHAELA, CA

[72] RACINE, REGENT, CA

[72] STEFU, CRISTIAN, CA

[73] EASYDAY HEALTH PRODUCTS INC., CA

[85] 2021-06-28

[86] 2019-12-30 (PCT/CA2019/000174)

[87] (WO2020/132740)

[30] US (62/786,054) 2018-12-28

[11] **3,126,268**
[13] C

[51] **Int.Cl. C07D 471/08 (2006.01) A61K 49/08 (2006.01) A61K 49/10 (2006.01) C07D 487/04 (2006.01)**

[25] FR

[54] **COMPLEX OF GADOLINIUM AND A CHELATING LIGAND DERIVED FROM A DIASTEREOISOMERICALLY ENRICHED PCTA AND PREPARATION AND PURIFICATION PROCESS**

[54] **COMPLEXE DE GADOLINIUM ET D'UN LIGAND CHELATEUR DERIVE DE PCTA DIASTEREOISOMERIQUEMENT ENRICHI ET PROCEDE DE PREPARATION ET DE PURIFICATION**

[72] LE GRENEUR, SOIZIC, FR

[72] CHENEDE, ALAIN, FR

[72] CERF, MARTINE, FR

[72] PETTA, MYRIAM, FR

[72] MARAIS, EMMANUELLE, FR

[72] FRANCOIS, BRUNO, FR

[72] ROBIC, CAROLINE, FR

[72] LOUGUET, STEPHANIE, FR

[73] GUERBET, FR

[85] 2021-07-09

[86] 2020-01-17 (PCT/EP2020/051153)

[87] (WO2020/148436)

[30] FR (1900432) 2019-01-17

**Canadian Patents Issued
January 9, 2024**

[11] **3,126,274**
[13] C

[51] **Int.Cl. G01B 7/00 (2006.01) G01B 7/004 (2006.01) G01C 9/00 (2006.01) G01D 5/00 (2006.01) G01D 5/12 (2006.01) G01R 33/00 (2006.01) G01R 33/02 (2006.01)**

[25] EN

[54] **SELF-CONTAINED ELECTROMAGNETIC TRACKING UNIT**

[54] **UNITE DE SUIVI ELECTROMAGNETIQUE AUTONOME**

[72] ASHE, WESTLEY S., US

[72] VAN WIJNGAARDEN, RICHARD, CA

[72] WILES, ANDREW, CA

[73] NORTHERN DIGITAL, INC., CA

[73] ASHE, WESTLEY S., US

[85] 2021-07-08

[86] 2020-01-07 (PCT/US2020/012540)

[87] (WO2020/146354)

[30] US (16/242,765) 2019-01-08

[11] **3,126,559**
[13] C

[51] **Int.Cl. H02G 3/08 (2006.01) A47B 91/02 (2006.01) A47B 96/00 (2006.01) F16B 35/00 (2006.01) F16M 1/08 (2006.01) H02B 1/03 (2006.01)**

[25] EN

[54] **PLUMB ADJUSTER FOR ELECTRICAL ENCLOSURE**

[54] **AJUSTEUR D'APLOMB POUR ENCEINTE ELECTRIQUE**

[72] HAGEN, BRIAN, US

[73] MILBANK MANUFACTURING CO., US

[86] (3126559)

[87] (3126559)

[22] 2021-07-30

[30] US (17/011510) 2020-09-03

[11] **3,126,670**
[13] C

[51] **Int.Cl. A61B 17/06 (2006.01) A61B 17/04 (2006.01)**

[25] EN

[54] **LOCKING SUTURE CONSTRUCT**

[54] **CONSTRUCTION DE SUTURE A VERROUILLAGE**

[72] BRESLICH, GRADY, US

[73] CONMED CORPORATION, US

[86] (3126670)

[87] (3126670)

[22] 2018-06-07

[62] 3,066,351

[30] US (62/518,749) 2017-06-13

[30] US (15/630,215) 2017-06-22

[11] **3,126,910**
[13] C

[51] **Int.Cl. E04B 5/26 (2006.01) E04C 2/10 (2006.01) E04C 2/16 (2006.01) E04C 5/18 (2006.01)**

[25] EN

[54] **LAMINATED BAMBOO PLATFORM AND CONCRETE COMPOSITE SLAB SYSTEM**

[54] **PLATE-FORME EN BAMBOU STRATIFIE ET SYSTEME DE DALLE DE BETON COMPOSITE**

[72] SLAVEN, JR., LELAND, US

[72] KNIGHT, DAVID, US

[73] GLOBAL BAMBOO TECHNOLOGIES INC., US

[85] 2021-07-15

[86] 2019-01-15 (PCT/US2019/013713)

[87] (WO2019/143638)

[30] US (62/619,615) 2018-01-19

[30] US (62/715,162) 2018-08-06

[30] US (16/226,340) 2018-12-19

[11] **3,127,631**
[13] C

[51] **Int.Cl. B23K 26/03 (2006.01)**

[25] EN

[54] **LASER MACHINING SYSTEM FOR MACHINING A WORKPIECE BY MEANS OF A LASER BEAM, AND METHOD FOR CONTROLLING A LASER MACHINING SYSTEM**

[54] **SYSTEME D'USINAGE AU LASER POUR L'USINAGE D'UNE PIECE AU MOYEN D'UN FAISCEAU LASER, ET PROCEDE DE COMMANDE D'UN SYSTEME D'USINAGE AU LASER**

[72] MOSER, RUDIGER, DE

[73] PRECITEC GMBH & CO. KG, DE

[85] 2021-07-23

[86] 2020-01-20 (PCT/EP2020/051247)

[87] (WO2020/164862)

[30] DE (10 2019 103 734.4) 2019-02-14

[11] **3,127,882**
[13] C

[51] **Int.Cl. H04L 51/04 (2022.01) H04W 4/14 (2009.01) H04W 12/04 (2021.01) H04W 12/033 (2021.01) H04L 9/06 (2006.01) H04L 9/30 (2006.01)**

[25] EN

[54] **SHORT MESSAGE SENDING METHOD, DEVICE, AND COMPUTER SYSTEM**

[54] **METHODE, DISPOSITIF ET SYSTEME INFORMATIQUE D'ENVOI DE MESSAGE COURT**

[72] CHENG, WEI, CN

[72] JIANG, HAO, CN

[73] 10353744 CANADA LTD., CA

[86] (3127882)

[87] (3127882)

[22] 2021-08-12

[30] CN (202010817242.5) 2020-08-14

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,128,234**
[13] C

- [51] **Int.Cl. H01F 27/34 (2006.01) H01F 27/00 (2006.01) H01F 27/28 (2006.01) H01F 27/30 (2006.01) H01F 27/40 (2006.01) H02M 1/08 (2006.01) H02M 7/00 (2006.01)**
- [25] EN
- [54] **INTEGRATED TRANSFORMER WITH LOW AC LOSSES AND IMPEDANCE BALANCED INTERFACE**
- [54] **TRANSFORMATEUR INTEGRE A FAIBLES PERTES DE COURANT ALTERNATIF ET INTERFACE EQUILIBREE D'IMPEDANCE**
- [72] WAMBSGANSS, WARREN J., US
- [73] ASTRONICS ADVANCED ELECTRONIC SYSTEMS CORP., US
- [85] 2021-07-28
- [86] 2020-02-13 (PCT/US2020/018144)
- [87] (WO2020/168101)
- [30] US (62/805,289) 2019-02-13

[11] **3,128,707**
[13] C

- [51] **Int.Cl. B61D 17/08 (2006.01)**
- [25] EN
- [54] **SIDE WALL STRUCTURE OF FREIGHT CAR AND RAILWAY FREIGHT CAR**
- [54] **STRUCTURE DE MUR LATERAL DE WAGON DE MARCHANDISE ET DE WAGON DE MARCHANDISE DE CHEMIN DE FER**
- [72] HE, JIAN, CN
- [72] HAN, JUNFENG, CN
- [72] ZHENG, HEPING, CN
- [73] CRRQ QIQIHAR ROLLING STOCK CO., LTD., CN
- [85] 2021-08-20
- [86] 2020-07-30 (PCT/CN2020/105722)
- [87] (WO2021/184638)
- [30] CN (202010202393.X) 2020-03-20
- [30] CN (202020381516.6) 2020-03-20

[11] **3,129,262**
[13] C

- [51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/28 (2006.01) B32B 27/38 (2006.01) B32B 27/40 (2006.01)**
- [25] EN
- [54] **MULTILAYER SYSTEMS AND METHODS OF MAKING MULTILAYER SYSTEMS**
- [54] **SYSTEMES MULTICOUCHES ET PROCEDES DE FABRICATION DE SYSTEMES MULTICOUCHES**
- [72] KUTCHKO, CYNTHIA, US
- [72] BUBAS, MICHAEL, US
- [72] WILKINSON, BRYAN, US
- [72] EPSTEIN, ERIC S., US
- [72] CUI, WEIBIN, US
- [72] LIN, RENHE, US
- [73] PPG INDUSTRIES OHIO, INC., US
- [85] 2021-08-05
- [86] 2020-02-10 (PCT/US2020/017428)
- [87] (WO2020/167626)
- [30] US (62/803,727) 2019-02-11

[11] **3,128,561**
[13] C

- [51] **Int.Cl. G06F 8/70 (2018.01)**
- [25] EN
- [54] **APP PACKAGE SIZE OPTIMIZATION METHOD, DEVICE, COMPUTER EQUIPMENT, AND STORAGE MEDIUM**
- [54] **METHODE DE TRAITEMENT, DISPOSITIF, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE POUR OPTIMISER LA TAILLER D'UN PAQUET D'APPLICATION**
- [72] ZHOU, XUYANG, CN
- [72] LIU, JIANGUO, CN
- [73] 10353744 CANADA LTD., CA
- [86] (3128561)
- [87] (3128561)
- [22] 2021-08-17
- [30] CN (202010828488) 2020-08-17

[11] **3,129,260**
[13] C

- [51] **Int.Cl. B29C 64/00 (2017.01) B33Y 10/00 (2015.01) B33Y 80/00 (2015.01)**
- [25] EN
- [54] **METHODS OF MAKING CHEMICALLY RESISTANT SEALING COMPONENTS**
- [54] **PROCEDES DE FABRICATION DE COMPOSANTS D'ETANCHEITE CHIMIQUEMENT RESISTANTS**
- [72] KUTCHKO, CYNTHIA, US
- [72] EPSTEIN, ERIC S., US
- [72] WILKINSON, BRYAN, US
- [72] HUANG, ZHISONG, US
- [72] MANION, SEAN J., US
- [72] DOBOSZ, KERIANNE M., US
- [73] PPG INDUSTRIES OHIO, INC., US
- [85] 2021-08-05
- [86] 2020-02-10 (PCT/US2020/017417)
- [87] (WO2020/167622)
- [30] US (62/803,769) 2019-02-11

[11] **3,129,738**
[13] C

- [51] **Int.Cl. A47J 31/44 (2006.01)**
- [25] EN
- [54] **TRANSPARENT OBJECT DETECTION**
- [54] **DETECTION D'OBJET TRANSPARENT**
- [72] THOMPSON, MARK, GB
- [73] LAVAZZA PROFESSIONAL NORTH AMERICA, LLC, US
- [85] 2021-08-10
- [86] 2020-02-13 (PCT/US2020/018075)
- [87] (WO2020/168053)
- [30] US (62/805,590) 2019-02-14

**Canadian Patents Issued
January 9, 2024**

[11] **3,129,786**
[13] C

[51] **Int.Cl. C07C 309/15 (2006.01) A01N 25/10 (2006.01) B01D 15/08 (2006.01) C02F 1/54 (2006.01) C02F 5/00 (2006.01) C08F 20/58 (2006.01) C09K 8/00 (2006.01) C11D 3/37 (2006.01)**

[25] EN

[54] **METHOD FOR THE PURIFICATION OF ACRYLAMIDO-2-METHYL-2-PROPANESULPHONIC ACID**

[54] **METHODE D'EPURATION D'ACIDE ACRYLAMIDO-2-METHYL-2-PROPANESULPHONIQUE**

[72] FAVERO, CEDRICK, FR
[72] KIEFFER, JOHANN, FR
[72] LEGRAS, BENOIT, FR
[72] DOUDIN, RAPHAEL, FR
[73] SNF GROUP, FR
[86] (3129786)
[87] (3129786)
[22] 2021-09-02
[30] FR (2009493) 2020-09-18

[11] **3,130,082**
[13] C

[51] **Int.Cl. F16K 15/03 (2006.01) F16K 3/00 (2006.01) F16K 15/18 (2006.01)**

[25] EN

[54] **PASSIVE EXPLOSION ISOLATION VALVE WITH VERTICALLY ORIENTED FLAPS**

[54] **SOUPAPE D'ISOLATION PASSIVE CONTRE LES EXPLOSIONS, DOTEE DE VOILETS ORIENTES VERTICALEMENT**

[72] MAY, BRIAN A., US
[72] TWOREK, ANDREW, US
[72] MALOTT, DAN A., US
[73] FIKE CORPORATION, US
[85] 2021-08-12
[86] 2020-02-18 (PCT/US2020/018548)
[87] (WO2020/172112)
[30] US (62/807,405) 2019-02-19

[11] **3,130,795**
[13] C

[51] **Int.Cl. G01J 1/08 (2006.01) G01J 3/02 (2006.01) G01J 3/42 (2006.01) G01N 21/27 (2006.01)**

[25] EN

[54] **SPECTROMETER SYSTEM AND METHOD FOR TESTING OF SAME**

[54] **SYSTEME DE SPECTROMETRE ET PROCEDE DE CONTROLE DE CELUI-CI**

[72] KERSTAN, FELIX, DE
[72] GOBEL, JURGEN, DE
[73] CARL ZEISS SPECTROSCOPY GMBH, DE
[85] 2021-08-19
[86] 2019-12-18 (PCT/EP2019/086039)
[87] (WO2020/169237)
[30] DE (10 2019 104 066.3) 2019-02-19

[11] **3,131,324**
[13] C

[51] **Int.Cl. H02M 1/00 (2007.10) F03D 7/00 (2006.01) H02J 3/38 (2006.01) H02M 5/40 (2006.01) H02M 7/02 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING A WIND POWER INSTALLATION**

[54] **PROCEDE POUR CONTROLER UNE CENTRALE D'ENERGIE EOLIENNE**

[72] BAKKER, MENKO, DE
[73] WOBLEN PROPERTIES GMBH, DE
[86] (3131324)
[87] (3131324)
[22] 2021-09-17
[30] EP (20199929.9) 2020-10-02

[11] **3,131,389**
[13] C

[51] **Int.Cl. G06T 19/00 (2011.01)**

[25] EN

[54] **AUGMENTED REALITY-ASSISTED METHODS AND APPARATUS FOR ASSESSING FIT OF PHYSICAL OBJECTS IN THREE-DIMENSIONAL BOUNDED SPACES**

[54] **METHODES ET APPAREIL ASSISTES PAR REALITE AUGMENTEE POUR EVALUER LA TAILLE D'OBJETS DANS DES ESPACES TRIDIMENSIONNELS LIMITES**

[72] DELGADO, BYRON LEONEL, CA
[72] BEAUCHAMP, DANIEL, CA
[72] LALANI, MAAS MANSOOR ALI, CA
[73] SHOPIFY INC., CA
[86] (3131389)
[87] (3131389)
[22] 2021-09-20
[30] US (17/082253) 2020-10-28

[11] **3,131,458**
[13] C

[51] **Int.Cl. G05D 13/62 (2006.01) F24F 11/88 (2018.01)**

[25] EN

[54] **SPEED-CONTROL SWITCH**

[54] **COMMUNTEUR DE COMMANDE DE VITESSE**

[72] SHAN, FUHUA, CN
[72] MA, ZHEN, CN
[72] ZHANG, DAHAI, CN
[73] SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD., AU
[86] (3131458)
[87] (3131458)
[22] 2021-09-21
[30] CN (202022112415.1) 2020-09-23

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,131,999**

[13] C

- [51] **Int.Cl. G01N 21/84 (2006.01) C10C 3/06 (2006.01) G01B 11/06 (2006.01) G01J 5/48 (2006.01)**
- [25] EN
- [54] **MEASUREMENT IN A VESSEL COMPRISING BITUMEN VIA IR CAMERA**
- [54] **MESURE DANS UN RECIPIENT COMPRENANT DU BITUME AU MOYEN D'UNE CAMERA INFRAROUGE**
- [72] YAZDI, ALIREZA ZEHTAB, CA
- [72] ESMAEILI, PAYMAN, CA
- [72] SINGH, SUDEEP, CA
- [72] JHA, RAHUL, CA
- [73] IMPERIAL OIL RESOURCES LIMITED, CA
- [86] (3131999)
- [87] (3131999)
- [22] 2021-09-27

[11] **3,132,015**

[13] C

- [51] **Int.Cl. G06Q 50/02 (2012.01) G06Q 10/047 (2023.01) G06Q 10/0631 (2023.01) A01D 41/127 (2006.01)**
- [25] EN
- [54] **INTELLIGENT SYSTEM AND METHOD FOR COORDINATING HARVESTER AND CARGO TRUCK**
- [54] **SYSTEME INTELLIGENT ET PROCEDE DE COORDINATION DE MOISSONNEUSE ET DE CAMION DE CHARGEMENT**
- [72] YAO, YUAN, CN
- [72] WU, DI, CN
- [72] WANG, BO, CN
- [72] WANG, QINGQUAN, CN
- [72] SHEN, YONGQUAN, CN
- [72] TONG, CHAO, CN
- [72] FAN, SHUN, CN
- [73] FJ DYNAMICS TECHNOLOGY CO., LTD, CN
- [85] 2021-09-28
- [86] 2019-09-20 (PCT/CN2019/106980)
- [87] (WO2020/206942)
- [30] CN (201910280343.0) 2019-04-09

[11] **3,132,282**

[13] C

- [51] **Int.Cl. B29C 49/22 (2006.01) B29C 49/04 (2006.01)**
- [25] EN
- [54] **BLOWN FILM INSTALLATION, METHOD FOR PRODUCING A BLOWN FILM STRIP AND FILM PRODUCED THEREWITH**
- [54] **INSTALLATION DE PRODUCTION DE FEUILLES SOUFFLEES, PROCEDE DE PRODUCTION D'UNE FEUILLE SOUFFLEE CONTINUE ET FEUILLE PRODUITE PAR CE PROCEDE**
- [72] GANDELHEIDT, EDGAR, DE
- [73] REIFENHAUSER GMBH & CO. MASCHINENFABRIK, DE
- [86] (3132282)
- [87] (3132282)
- [22] 2013-08-07
- [62] 2,872,835
- [30] DE (10 2012 015 462.3) 2012-08-07

[11] **3,132,310**

[13] C

- [51] **Int.Cl. A61K 31/27 (2006.01) A61K 31/196 (2006.01) A61K 31/4025 (2006.01) A61K 31/404 (2006.01) A61K 31/44 (2006.01) A61K 31/4409 (2006.01) A61K 31/455 (2006.01) A61K 31/505 (2006.01) A61K 31/549 (2006.01) A61K 45/00 (2006.01) A61P 25/28 (2006.01)**
- [25] EN
- [54] **POTASSIUM CHANNEL OPENERS FOR TREATING NEURODEGENERATIVE DISEASES**
- [54] **ACTIVATEURS DE CANAUX POTASSIQUES POUR LE TRAITEMENT DE MALADIES NEURODEGENERATIVES**
- [72] WOOLF, CLIFFORD J., US
- [72] WAINGER, BRIAN J., US
- [72] KISKINIS, EVANGELOS, US
- [72] EGGAN, KEVIN, US
- [73] CHILDREN'S MEDICAL CENTER CORPORATION, US
- [73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
- [73] THE GENERAL HOSPITAL CORPORATION, US
- [86] (3132310)
- [87] (3132310)
- [22] 2013-08-06
- [62] 2,881,464
- [30] US (61/680,662) 2012-08-07
- [30] US (61/791,055) 2013-03-15

[11] **3,132,355**

[13] C

- [51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/40 (2020.01) A24F 40/50 (2020.01) A24F 40/57 (2020.01) A61M 11/04 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
- [25] EN
- [54] **LOW TEMPERATURE ELECTRONIC VAPORIZATION DEVICE AND METHODS**
- [54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE BASSE TEMPERATURE ET PROCEDES ASSOCIES**
- [72] BOWEN, ADAM, US
- [72] HUNTER, KRISTA, US
- [72] MONSEES, JAMES, US
- [72] MYALL, PATRICK, US
- [73] JUUL LABS, INC., US
- [86] (3132355)
- [87] (3132355)
- [22] 2012-08-16
- [62] 2,845,090
- [30] US (61/524,308) 2011-08-16

[11] **3,132,852**

[13] C

- [51] **Int.Cl. B07B 1/30 (2006.01)**
- [25] EN
- [54] **POLYMER REINFORCED SCREENING PANEL**
- [54] **PANNEAU DE CRIBLAGE RENFORCE DE POLYMERES**
- [72] JOHNSON, RYAN, US
- [72] FREISSLE, PETER, US
- [72] ANDERSON, GREG, US
- [73] POLYDECK SCREEN CORPORATION, US
- [85] 2021-10-07
- [86] 2020-07-08 (PCT/US2020/041173)
- [87] (WO2021/007306)
- [30] US (62/871,294) 2019-07-08

**Canadian Patents Issued
January 9, 2024**

[11] **3,133,549**
[13] C

[51] **Int.Cl. E05B 15/00 (2006.01) E05B 17/00 (2006.01)**
[25] EN
[54] **ADJUSTMENT PLATE GAUGE INSERT AND ADAPTER FOR HANDS-FREE LOCK INSTALLATION**
[54] **JAUGE RAPPORTEE A PLAQUE DE REGLAGE ET ADAPTATEUR POUR INSTALLATION DE VERROU MAINS LIBRES**
[72] WALLS, BRIAN E., US
[72] SHELINBARGER, RICH D., US
[72] WELSBY, SCOTT D., US
[72] MALENKOVIC, PETER, US
[73] SCHLAGE LOCK COMPANY LLC, US
[86] (3133549)
[87] (3133549)
[22] 2014-03-17
[62] 3,015,258
[30] US (61/793,214) 2013-03-15

[11] **3,133,608**
[13] C

[51] **Int.Cl. H04N 21/435 (2011.01) H04N 21/434 (2011.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RECEIVING MEDIA CONTENT IN A MULTIMEDIA SYSTEM**
[54] **METHODE ET APPAREIL POUR RECEVOIR DU CONTENU MEDIA DANS UN SYSTEME MULTIMEDIA**
[72] BOUAZIZI, IMED, US
[72] LIM, YOUNG-KWON, US
[72] BHAT, KONG POSH, US
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (3133608)
[87] (3133608)
[22] 2013-11-28
[62] 2,893,122
[30] US (61/731,360) 2012-11-29
[30] US (14/091,243) 2013-11-26

[11] **3,134,111**
[13] C

[51] **Int.Cl. A23L 27/30 (2016.01)**
[25] EN
[54] **MIXED SUGAR COMPOSITION**
[54] **COMPOSITION DE SACCHARIDE MIXTE**
[72] KIM, MINHOE, KR
[72] LEE, YOUNG MI, KR
[72] YOON, RAN YOUNG, KR
[72] SHIN, SUN MI, KR
[72] PARK, EUL-SOO, KR
[72] LEE, SUNGKYUN, KR
[72] BAK, YOUN-KYUNG, KR
[72] KIM, SEONG BO, KR
[72] CHOI, EUN JUNG, KR
[73] CJ CHEILJEDANG CORPORATION, KR
[85] 2021-09-17
[86] 2020-03-26 (PCT/KR2020/004101)
[87] (WO2020/204459)
[30] KR (10-2019-0037322) 2019-03-29

[11] **3,134,586**
[13] C

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61L 17/00 (2006.01)**
[25] EN
[54] **CONTINUOUS TETHERED TISSUE ANCHOR AND ASSOCIATED SYSTEMS AND METHODS**
[54] **ANCRAGE TISSULAIRE ATTACHE EN CONTINU ET SYSTEMES ET PROCEDES ASSOCIES**
[72] YOUNG, PATRICK S., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-10-21
[86] 2020-05-08 (PCT/US2020/032168)
[87] (WO2020/227662)
[30] US (62/845,666) 2019-05-09
[30] US (62/965,595) 2020-01-24

[11] **3,135,017**
[13] C

[51] **Int.Cl. A63B 59/70 (2015.01) D03D 15/275 (2021.01) D03D 13/00 (2006.01)**
[25] EN
[54] **3D WEAVING MATERIAL AND METHOD OF 3D WEAVING FOR SPORTING IMPLEMENTS**
[54] **MATERIAU DE TISSAGE 3D ET METHODE DE TISSAGE 3D POUR DES EQUIPEMENTS SPORTIFS**
[72] CARON KARDOS, JEAN-FREDERIK, CA
[72] DUCHARME, MATHIEU, CA
[73] BAUER HOCKEY LTD., CA
[86] (3135017)
[87] (3135017)
[22] 2021-10-19
[30] US (17/075,171) 2020-10-20

[11] **3,135,137**
[13] C

[51] **Int.Cl. G06N 99/00 (2019.01) G06F 17/10 (2006.01) G06F 17/11 (2006.01)**
[25] EN
[54] **INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING SYSTEM, INFORMATION PROCESSING METHOD, STORAGE MEDIUM AND PROGRAM**
[54] **DISPOSITIF DE TRAITEMENT D'INFORMATIONS, SYSTEME DE TRAITEMENT D'INFORMATIONS, PROCEDE DE TRAITEMENT D'INFORMATIONS, SUPPORT DE STOCKAGE ET PROGRAMME**
[72] SUZUKI, MASARU, JP
[72] GOTO, HAYATO, JP
[72] TATSUMURA, KOSUKE, JP
[73] KABUSHIKI KAISHA TOSHIBA, JP
[73] TOSHIBA DIGITAL SOLUTIONS CORPORATION, JP
[85] 2021-09-27
[86] 2020-03-27 (PCT/JP2020/014164)
[87] (WO2020/196866)
[30] JP (2019-064588) 2019-03-28

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,135,253**
[13] C

- [51] **Int.Cl. E01F 15/14 (2006.01) B60R 19/14 (2006.01) B60R 19/26 (2006.01) B60R 19/34 (2006.01)**
- [25] EN
- [54] **CRASH ATTENUATOR WITH RELEASE PLATE HINGE ASSEMBLY, RELEASE PLATE HINGE ASSEMBLY AND METHOD FOR THE USE THEREOF**
- [54] **ATTENUATEUR DE COLLISION AVEC ENSEMBLE CHARNIERE DE PLAQUE DE DEGAGEMENT, ENSEMBLE CHARNIERE DE PLAQUE DE DEGAGEMENT ET SON PROCEDE D'UTILISATION**
- [72] BUEHLER, MICHAEL J., US
- [73] VALTIR, LLC, US
- [85] 2021-10-26
- [86] 2020-05-01 (PCT/US2020/031031)
- [87] (WO2020/231651)
- [30] US (62/848,262) 2019-05-15

[11] **3,135,459**
[13] C

- [51] **Int.Cl. H04W 52/34 (2009.01) H04W 52/18 (2009.01)**
- [25] EN
- [54] **POWER SHARING METHOD AND APPARATUS**
- [54] **PROCEDE ET APPAREIL DE PARTAGE DE PUISSANCE**
- [72] XU, HANQING, CN
- [72] ZHAO, YAJUN, CN
- [72] LI, XINCAI, CN
- [72] YANG, LING, CN
- [72] LIU, JUAN, CN
- [73] ZTE CORPORATION, CN
- [86] (3135459)
- [87] (3135459)
- [22] 2018-06-15
- [62] 3,070,002
- [30] CN (201710459676.0) 2017-06-16

[11] **3,135,502**
[13] C

- [51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4439 (2006.01) A61K 31/506 (2006.01) A61P 3/10 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 37/02 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01)**
- [25] EN
- [54] **LANTHIONINE C-LIKE PROTEIN 2 LIGANDS, CELLS PREPARED THEREWITH, AND THERAPIES USING SAME**
- [54] **LIGANDS DE LA PROTEINE 2 DE TYPE LANTHIONINE C, CELLULES PREPAREES AVEC CEUX-CI, ET THERAPIES LES UTILISANT**
- [72] BASSAGANYA-RIERA, JOSEP, US
- [72] LEBER, ANDREW, US
- [72] HONTECILLAS, RAQUEL, US
- [73] NIMMUNE BIOPHARMA, INC., US
- [85] 2021-09-28
- [86] 2020-12-18 (PCT/US2020/066063)
- [87] (WO2021/127472)
- [30] US (62/951,906) 2019-12-20
- [30] US (63/031,938) 2020-05-29

[11] **3,136,007**
[13] C

- [51] **Int.Cl. A43B 5/16 (2006.01) A43B 7/32 (2006.01) A43C 1/02 (2006.01)**
- [25] EN
- [54] **GOALIE SKATE**
- [54] **PATIN DE GARDIEN DE BUT**
- [72] BOUDREAULT, RENE-CHARLES, CA
- [72] FAUCHER, ALEXIS, CA
- [73] SPORT MASKA INC., CA
- [85] 2021-10-04
- [86] 2020-04-09 (PCT/CA2020/050474)
- [87] (WO2020/206548)
- [30] US (62/831,918) 2019-04-10

[11] **3,136,584**
[13] C

- [51] **Int.Cl. H01R 13/03 (2006.01) H01R 24/28 (2011.01) H01R 13/523 (2006.01)**
- [25] EN
- [54] **SELF-INSULATING CONTACTS FOR USE IN ELECTROLYTIC ENVIRONNEMENTS**
- [54] **CONTACTS AUTO-ISOLANTS DESTINES A ETRE UTILISES DANS DES ENVIRONNEMENTS ELECTROLYTIQUES**
- [72] WINDGASSEN, JAMES R., US
- [72] HACK, HARVERY P., US
- [73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
- [85] 2021-11-03
- [86] 2020-05-29 (PCT/US2020/035083)
- [87] (WO2020/247253)
- [30] US (16/434,283) 2019-06-07

[11] **3,137,417**
[13] C

- [51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/10 (2017.01) A61K 47/32 (2006.01) A61K 47/36 (2006.01) A61P 27/00 (2006.01)**
- [25] EN
- [54] **DISSOLVABLE POLYMERIC EYE INSERTS AND METHOD OF USING SAME**
- [54] **INSERTS OCULAIRES POLYMERES SOLUBLES ET LEUR PROCEDE D'UTILISATION**
- [72] KETELSON, HOWARD ALLEN, US
- [72] RANGARAJAN, REKHA, US
- [72] LAREDO, WALTER R., US
- [72] COLLINS, STEPHEN JOHN, US
- [73] ALCON INC., CH
- [85] 2021-10-19
- [86] 2020-05-01 (PCT/IB2020/054148)
- [87] (WO2020/222195)
- [30] US (62/841,901) 2019-05-02
- [30] US (62/927,885) 2019-10-30

**Canadian Patents Issued
January 9, 2024**

[11] **3,137,532**
[13] C

[51] **Int.Cl. G01N 21/65 (2006.01) C07C 321/04 (2006.01) C07C 323/12 (2006.01) C09K 8/54 (2006.01) C23F 11/16 (2006.01)**

[25] EN

[54] **DETECTION AND MONITORING OF CORROSION INHIBITORS IN OILFIELD FLUIDS**

[54] **DETECTION ET SURVEILLANCE D'INHIBITEURS DE CORROSION DANS DES FLUIDES DE CHAMP PETROLIFERE**

[72] MURUGESAN, SANKARAN, US

[72] DHULIPALA, PRASAD D., US

[72] LIU, ZHENGWEI, US

[72] RAMACHANDRAN, SUNDER, US

[73] BAKER HUGHES HOLDINGS LLC, US

[85] 2021-10-20

[86] 2020-05-01 (PCT/US2020/030988)

[87] (WO2020/227079)

[30] US (62/843,173) 2019-05-03

[30] US (16/863,717) 2020-04-30

[11] **3,137,660**
[13] C

[51] **Int.Cl. A47G 33/10 (2006.01) F16M 13/02 (2006.01)**

[25] EN

[54] **TREETOP SUPPORT**

[54] **SUPPORT DE CIME**

[72] ZHAO, HONGHUA, CN

[73] NINGBO TREE NEST INTERNATIONAL TRADING CO., LTD., CN

[86] (3137660)

[87] (3137660)

[22] 2021-11-09

[30] CN (202121769010.3) 2021-07-30

[11] **3,137,819**
[13] C

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/00 (2006.01) A61K 9/113 (2006.01) A61K 38/09 (2006.01) A61P 15/00 (2006.01)**

[25] EN

[54] **SUSTAINED-RELEASE MICROPARTICLES CONTAINING DESLORELIN, AND PREPARATION METHOD THEREFOR**

[54] **MICROPARTICULES A LIBERATION PROLONGEE CONTENANT DE LA DESLORELIN, ET LEUR PROCEDE DE PREPARATION**

[72] KIM, JU HEE, KR

[72] KIM, SE YEON, KR

[73] INVENTAGE LAB INC., KR

[85] 2021-10-22

[86] 2020-01-14 (PCT/KR2020/000657)

[87] (WO2020/222399)

[30] KR (10-2019-0050437) 2019-04-30

[11] **3,138,704**
[13] C

[51] **Int.Cl. H02J 1/00 (2006.01) G06F 1/26 (2006.01) G06F 13/40 (2006.01) H02J 1/08 (2006.01)**

[25] EN

[54] **POWER MANAGER WITH RECONFIGURABLE POWER CONVERTING CIRCUITS**

[54] **GESTIONNAIRE DE PUISSANCE A CIRCUITS DE CONVERSION DE PUISSANCE RECONFIGURABLES**

[72] LONG, DAVID N., US

[72] PIELA, NICHOLAS J., US

[72] BUTLER, DAVID J., US

[73] GALVION SOLDIER POWER, LLC, US

[85] 2021-10-29

[86] 2020-05-15 (PCT/US2020/033207)

[87] (WO2020/236623)

[30] US (16/415,336) 2019-05-17

[11] **3,138,818**
[13] C

[51] **Int.Cl. F04D 29/44 (2006.01) F01D 9/04 (2006.01)**

[25] EN

[54] **STATOR BLADE FOR A CENTRIFUGAL COMPRESSOR**

[54] **AUBE DE STATOR POUR COMPRESSEUR CENTRIFUGE**

[72] GIACHI, MARCO, IT

[72] RUBECHINI, FILIPPO, IT

[72] ARNONE, ANDREA, IT

[73] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT

[85] 2021-11-01

[86] 2020-05-07 (PCT/EP2020/025211)

[87] (WO2020/224807)

[30] IT (102019000006674) 2019-05-09

[11] **3,138,873**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01)**

[25] EN

[54] **SYNTHESIS OF LABELED IMIDAZO[1,2-A]PYRIMIDINES**

[54] **SYNTHESE D'IMIDAZO[1,2-A]PYRIMIDINES MARQUES**

[72] CLAGG, KYLE BRADLEY PASCUAL, US

[72] WHITE, NICHOLAS ANDREW, US

[72] ZHANG, HAIMING, US

[72] GOSSELIN, FRANCIS, US

[72] NACK, WILLIAM, US

[72] O'SHEA, PAUL, D., US

[73] F. HOFFMANN-LA ROCHE AG, CH

[85] 2021-11-01

[86] 2020-05-07 (PCT/US2020/031952)

[87] (WO2020/227575)

[30] US (62/845,840) 2019-05-09

[30] US (62/937,069) 2019-11-18

[11] **3,139,690**
[13] C

[51] **Int.Cl. B05C 21/00 (2006.01) B05C 17/02 (2006.01)**

[25] EN

[54] **PAINT ROLLER SHIELD**

[54] **PROTECTION DE ROULEAU DE PEINTURE**

[72] BOUKAIR, RONALD, US

[72] BOUKAIR, MOE, US

[73] THE SHERWIN-WILLIAMS COMPANY, US

[86] (3139690)

[87] (3139690)

[22] 2016-02-06

[62] 2,976,015

[30] US (14/616,640) 2015-02-06

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,140,480**
[13] C

[51] **Int.Cl. G06Q 10/083 (2023.01) G06Q 10/0833 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INITIATING ELECTRONIC REMEDIATION ACTIONS**
[54] **SYSTEMES ET PROCEDES DESTINES A INITIER DES ACTIONS DE REMEDIATION ELECTRONIQUE**
[72] GILLEN, ROBERT J., US
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2021-12-02
[86] 2020-06-11 (PCT/US2020/037192)
[87] (WO2020/252138)
[30] US (16/441,367) 2019-06-14

[11] **3,140,827**
[13] C

[51] **Int.Cl. A46B 9/04 (2006.01) A46B 9/06 (2006.01) A46B 15/00 (2006.01) A46D 1/00 (2006.01)**
[25] EN
[54] **HEAD FOR AN ORAL CARE IMPLEMENT AND ORAL CARE IMPLEMENT**
[54] **TETE POUR UN INSTRUMENT DE SOINS BUCCAUX ET INSTRUMENT DE SOINS BUCCAUX**
[72] EBEN, KERSTIN SARINA, DE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-11-16
[86] 2020-06-04 (PCT/US2020/070120)
[87] (WO2020/247979)
[30] EP (19178406.5) 2019-06-05

[11] **3,141,606**
[13] C

[51] **Int.Cl. C10L 1/14 (2006.01) C10L 1/16 (2006.01) C10L 1/19 (2006.01) C10L 1/198 (2006.01) C10L 1/23 (2006.01) C10L 10/02 (2006.01) C10L 10/06 (2006.01)**
[25] EN
[54] **ADDITIVE FORMULATION AND METHOD OF USING SAME**
[54] **FORMULATION D'ADDITIF ET SON PROCEDE D'UTILISATION**
[72] WACHTEL, PETER, US
[72] FOOTE, ARTHUR R., US
[73] MAZOIL TECHNOLOGIES LIMITED, KY
[85] 2021-11-22
[86] 2019-12-17 (PCT/US2019/066708)
[87] (WO2020/242528)
[30] US (62/852,779) 2019-05-24

[11] **3,140,562**
[13] C

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/103 (2006.01) A61N 5/06 (2006.01) F21L 4/02 (2006.01) F21V 23/04 (2006.01)**
[25] EN
[54] **PORTABLE BREAST LIGHT ASSEMBLY**
[54] **ENSEMBLE LUMIERE MAMMAIRE PORTABLE**
[72] YANG, LIN, DE
[73] POWER PRODUCTIONS GROUP LLC., US
[85] 2021-11-15
[86] 2019-05-15 (PCT/US2019/032430)
[87] (WO2020/231422)

[11] **3,140,828**
[13] C

[51] **Int.Cl. A23L 5/43 (2016.01) A23L 33/105 (2016.01)**
[25] EN
[54] **A RED COLORANT COMPOSITION FOR FAT-BASED FOODS AND OILS**
[54] **COMPOSITION DE COLORANT ROUGE POUR ALIMENTS ET HUILES A BASE DE GRAISSE**
[72] DIX, DINA, US
[72] NAPIER, LORI, US
[72] JEROMINSKI, ADINA, US
[73] OTERRA A/S, DK
[85] 2021-11-16
[86] 2020-05-29 (PCT/EP2020/065059)
[87] (WO2020/240010)
[30] EP (19177646.7) 2019-05-31

[11] **3,142,125**
[13] C

[51] **Int.Cl. C08L 83/04 (2006.01) C08J 3/20 (2006.01) C08K 5/5419 (2006.01)**
[25] EN
[54] **REACTIVE ORGANOSILICON THIXOTROPIC AGENT, ORGANOSILICON ENCAPSULATION ADHESIVE AND LED ELEMENT**
[54] **AGENT THIXOTROPIQUE D'ORGANOSILICIUM REACTIF, ADHESIF D'ENCAPSULATION D'ORGANOSILICIUM ET ELEMENT A DEL**
[72] DENG, ZUOZHU, CN
[72] MA, JING, CN
[72] LIU, HUIJUAN, CN
[73] BEIJING KMT TECHNOLOGY CO., LTD., CN
[86] (3142125)
[87] (3142125)
[22] 2021-12-14
[30] CN (202011611398.4) 2020-12-30

[11] **3,140,736**
[13] C

[51] **Int.Cl. G01D 9/00 (2006.01) G01K 1/024 (2021.01) G01K 15/00 (2006.01)**
[25] EN
[54] **DAISY CHAIN TWO-WIRE SENSOR MEASUREMENT SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE MESURE DE CAPTEUR A DEUX FILS EN GUIRLANDE**
[72] ZHAO, CHUNMENG, CN
[72] QIU, QUANLONG, CN
[73] BAOXING INTELLIGENT TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2021-11-30
[86] 2021-06-21 (PCT/CN2021/101173)
[87] (3140736)
[30] CN (202010576139.6) 2020-06-22

**Canadian Patents Issued
January 9, 2024**

[11] **3,144,402**
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **ALLOSTERIC EGFR INHIBITORS AND METHODS OF USE THEREOF**

[54] **INHIBITEURS ALLOSTERIQUES D'EGFR ET LEURS PROCEDES D'UTILISATION**

[72] CULLIS, COURTNEY A., US
[72] GIPSON, KRISTA E., US
[72] HU, YONGBO, US
[72] HUANG, SHIH-CHUNG, US
[72] GRAY, NATHANAEL S., US
[72] SCOTT, DAVID A., US
[72] GERO, THOMAS, US
[72] ECK, MICHAEL, US
[72] HEPPNER, DAVID, US
[72] BEYETT, TYLER, US
[72] TO, CIRIC, US
[73] DANA-FARBER CANCER INSTITUTE, INC., US

[85] 2021-12-20
[86] 2020-06-19 (PCT/US2020/038672)
[87] (WO2020/257607)
[30] US (62/864,899) 2019-06-21
[30] US (63/007,210) 2020-04-08

[11] **3,145,394**
[13] C

[51] **Int.Cl. C07C 237/06 (2006.01) A61K 31/165 (2006.01) A61P 31/10 (2006.01)**

[25] EN

[54] **A NOVEL AMINOALKANOIC ACID DERIVATIVE CONTAINING A BIPHENYL GROUP AND AN ANTIFUNGAL PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**

[54] **COMPOSE DERIVE INTRODUISANT UN GROUPE BIPHENYLE DANS UN NOUVEL ACIDE AMINOALCANOIQUE ET COMPOSITION PHARMACEUTIQUE ANTIFONGIQUE LE COMPRENANT**

[72] PARK, KI DUK, KR
[72] PARK, JONG HYUN, KR
[72] KIM, HYEON JI, KR
[72] LEE, YE RIM, KR
[72] KIM, SIWON, KR
[72] CHOI, JI WON, KR
[72] YEON, SEUL KI, KR
[72] LEE, JONG-SEUNG, KR
[72] BAHN, YONG-SUN, KR
[72] CHEONG, EUNJI, KR
[72] LEE, KYUNG-TAE, KR
[72] HONG, JOOHYEON, KR
[73] AMTIXBIO CO., LTD., KR

[85] 2021-12-24
[86] 2020-06-25 (PCT/KR2020/008306)
[87] (WO2020/262996)
[30] KR (10-2019-0075893) 2019-06-25

[11] **3,145,583**
[13] C

[51] **Int.Cl. H01M 50/293 (2021.01)**

[25] EN

[54] **ELECTRIC CELL POTTING COMPOUND AND METHOD OF MAKING**

[54] **COMPOSE D'ENROBAGE DE CELLULES ELECTRIQUES ET SON PROCEDE DE FABRICATION**

[72] GIORGINI, ALBERT M., US
[73] H.B. FULLER COMPANY, US

[86] (3145583)
[87] (3145583)
[22] 2019-02-15
[62] 3,091,147
[30] US (62/631,584) 2018-02-16

[11] **3,145,998**
[13] C

[51] **Int.Cl. B65D 41/34 (2006.01) B65D 1/02 (2006.01) B65D 41/04 (2006.01)**

[25] EN

[54] **CLOSURE AND FINISH FOR SMALL CARBONATED BEVERAGE PACKAGING WITH ENHANCED SHELF LIFE PROPERTIES**

[54] **FERMETURE ET FINITION POUR UN PETIT EMBALLAGE DE BOISSON GAZEUSE PRESENTANT DES CARACTERISTIQUES AMELIOREES EN CE QUI A TRAIT A LA DUREE DE CONSERVATION**

[72] DE CLEIR, PIARAS, US
[72] GEHINDY, FRANK, DE
[72] BRAUER, LOTHAR, DE
[72] SHI, SIMON, US
[73] THE COCA-COLA COMPANY, US

[86] (3145998)
[87] (3145998)
[22] 2015-07-31
[62] 2,956,727
[30] US (62/032,423) 2014-08-01

[11] **3,146,761**
[13] C

[51] **Int.Cl. B60J 7/14 (2006.01) B60P 7/02 (2006.01)**

[25] EN

[54] **TONNEAU RAIL SYSTEM AND ATTACHMENT DEVICE FOR SECURING A TONNEAU RAIL TO A VEHICLE**

[54] **SYSTEME DE RAIL DE CAISSE ET DISPOSITIF DE FIXATION POUR FIXER UN RAIL DE CAISSE SUR UN VEHICULE**

[72] DZIEWIT, JACK H., US
[73] EXTANG CORPORATION, US

[86] (3146761)
[87] (3146761)
[22] 2022-01-26
[30] US (63/162,618) 2021-03-18
[30] US (17/528,259) 2021-11-17

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,146,888**
[13] C

[51] **Int.Cl. C22C 38/02 (2006.01) C21D 8/12 (2006.01) C22C 33/04 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01)**

[25] EN

[54] **600MPA GRADE NON-ORIENTED ELECTRICAL STEEL SHEET AND MANUFACTURING METHOD THEREOF**

[54] **TOLE MAGNETIQUE EN ACIER NON ORIENTEE DE QUALITE 600 MPA ET SON PROCEDE DE FABRICATION**

[72] ZHANG, FENG, CN
[72] LIU, BAOJUN, CN
[72] LI, JUN, CN
[72] WANG, BO, CN
[72] SHEN, KANYI, CN
[72] LI, GUOBAO, CN
[73] BAOSHAN IRON & STEEL CO., LTD., CN

[85] 2022-02-03
[86] 2020-08-26 (PCT/CN2020/111402)
[87] (WO2021/037061)
[30] CN (201910790407.1) 2019-08-26

[11] **3,147,196**
[13] C

[51] **Int.Cl. H04S 3/00 (2006.01)**

[25] EN

[54] **METHOD FOR AND APPARATUS FOR DECODING AN AMBISONICS AUDIO SOUNDFIELD REPRESENTATION FOR AUDIO PLAYBACK USING 2D SETUPS**

[54] **METHODE ET APPAREIL POUR DECODER UNE REPRESENTATION DE CHAMP ACOUSTIQUE AMBIOPHONIQUE POUR LA LECTURE AUDIO A L'AIDE DE CONFIGURATIONS 2D**

[72] KEILER, FLORIAN, DE
[72] BOEHM, JOHANNES, DE
[73] DOLBY INTERNATIONAL AB, IE

[86] (3147196)
[87] (3147196)
[22] 2014-10-20
[62] 2,924,700
[30] EP (13290255.2) 2013-10-23

[11] **3,148,708**
[13] C

[51] **Int.Cl. H04N 13/30 (2018.01) G06T 15/06 (2011.01) G06T 19/00 (2011.01) H04N 13/302 (2018.01) H04N 13/307 (2018.01) H04N 13/366 (2018.01) G02B 30/00 (2020.01) G02B 30/50 (2020.01) A61B 3/00 (2006.01) G02B 27/00 (2006.01) G06T 13/00 (2011.01) G09G 3/00 (2006.01)**

[25] EN

[54] **LIGHT FIELD DISPLAY, ADJUSTED PIXEL RENDERING METHOD THEREFOR, AND ADJUSTED VISION PERCEPTION SYSTEM AND METHOD USING SAME ADDRESSING ASTIGMATISM OR SIMILAR CONDITIONS**

[54] **DISPOSITIF D'AFFICHAGE A CHAMP DE LUMIERE, PROCEDE DE RENDU DE PIXELS AJUSTE A CET EFFET, ET SYSTEME ET PROCEDE DE PERCEPTION DE LA VISION AJUSTES L'UTILISANT ADRESSANT L'ASTIGMATISME OU DES PATHOLOGIES SIMILAIRE**

[72] LUSSIER, GUILLAUME, CA
[72] GOC, MATEJ, CA
[72] GARCIA, YAIZA, CA
[72] JOLY, JEAN-FRANCOIS, CA
[73] EVOLUTION OPTIKS LIMITED, BB

[85] 2022-02-18
[86] 2020-08-26 (PCT/IB2020/057985)
[87] (WO2021/038468)
[30] US (16/551,572) 2019-08-26
[30] IB (PCT/IB2019/058955) 2019-10-21
[30] US (62/929,639) 2019-11-01
[30] US (16/810,143) 2020-03-05
[30] US (16/854,787) 2020-04-21

[11] **3,149,335**
[13] C

[51] **Int.Cl. A61B 8/00 (2006.01)**

[25] EN

[54] **DATA PROCESSING METHOD, APPARATUS, DEVICE, AND STORAGE MEDIUM**

[54] **PROCEDE DE TRAITEMENT DE DONNEES, APPAREIL, DISPOSITIF ET SUPPORT D'INFORMATIONS**

[72] HE, QIONG, CN
[72] XU, XIAOCHEN, CN
[72] SHAO, JINHUA, CN
[72] SUN, JIN, CN
[72] DUAN, HOULI, CN
[73] WUXI HISKY MEDICAL TECHNOLOGIES CO., LTD., CN

[85] 2022-01-31
[86] 2020-07-28 (PCT/CN2020/105006)
[87] (WO2021/018101)
[30] CN (201910706620.X) 2019-08-01

[11] **3,149,727**
[13] C

[51] **Int.Cl. B29C 45/76 (2006.01) B29C 45/03 (2006.01) B29C 45/40 (2006.01) B29C 45/77 (2006.01) B29C 45/78 (2006.01)**

[25] EN

[54] **ARTIFICIAL INTELLIGENCE-BASED INJECTION MOLDING SYSTEM AND METHOD FOR GENERATING MOLDING CONDITION IN INJECTION MOLDING SYSTEM**

[54] **SYSTEME DE MOULAGE PAR INJECTION BASE SUR L'INTELLIGENCE ARTIFICIELLE ET PROCEDE DE GENERATION D'UNE CONDITION DE MOULAGE DANS UN SYSTEME DE MOULAGE PAR INJECTION**

[72] YU, HYEON JAE, KR
[72] PARK, KYONG HO, KR
[72] ANDREY, SALOV, KR
[72] LEE, SEUNG CHUL, KR
[72] LEE, CHI HUN, KR
[73] LS MTRON LTD., KR

[85] 2022-02-28
[86] 2020-09-08 (PCT/KR2020/012107)
[87] (WO2021/049848)
[30] KR (10-2019-0113137) 2019-09-11
[30] KR (10-2020-0105270) 2020-08-21

**Canadian Patents Issued
January 9, 2024**

[11] **3,149,755**
[13] C

[51] **Int.Cl. B32B 3/30 (2006.01) B32B 5/16 (2006.01)**
[25] EN
[54] **MULTILAYER FILM WITH INCREASED SURFACE ROUGHNESS AND METHOD OF MAKING THE SAME**
[54] **FILM MULTICOUPLE COMPRENANT UNE SURFACE RUGUEUSE ACCRUE ET METHODE DE FABRICATION**
[72] MICHEL, CHRISTOPH, US
[72] DEL BARRIO PEREZ, JAVIER, US
[73] TAGHLEEF INDUSTRIES INC., US
[86] (3149755)
[87] (3149755)
[22] 2022-02-22
[30] US (63/152,415) 2021-02-23

[11] **3,150,360**
[13] C

[51] **Int.Cl. H04R 1/24 (2006.01) H04R 7/04 (2006.01) H04R 7/12 (2006.01) H04R 9/06 (2006.01)**
[25] EN
[54] **SPEAKER UNIT AND SPEAKER**
[54] **UNITE DE HAUT-PARLEUR ET HAUT-PARLEUR**
[72] TANAKA, HIROSHI, JP
[72] SUZUKI, MASAHIRO, JP
[73] SOUND FUN CORPORATION, JP
[85] 2022-03-07
[86] 2020-09-14 (PCT/JP2020/034790)
[87] (WO2021/054295)
[30] JP (2019-167908) 2019-09-17

[11] **3,150,596**
[13] C

[51] **Int.Cl. H01F 38/14 (2006.01)**
[25] EN
[54] **DATA LINK FOR RESONANT INDUCTION WIRELESS CHARGING**
[54] **LIAISON DE DONNEES POUR CHARGE SANS FIL A INDUCTION RESONANTE**
[72] DAGA, ANDREW W., US
[72] MCMAHON, FRANCIS J., US
[72] GANDER, EDWARD J., US
[72] WARD, MATTHEW L., US
[73] INDUCTEV INC., US
[85] 2022-02-09
[86] 2020-09-11 (PCT/US2020/050492)
[87] (WO2021/050941)
[30] US (16/570,801) 2019-09-13
[30] US (16/675,618) 2019-11-06

[11] **3,151,419**
[13] C

[51] **Int.Cl. C23C 22/00 (2006.01)**
[25] EN
[54] **ELECTRICAL STEEL SHEET WITH INSULATING FILM**
[54] **TOLE D'ACIER ELECTROMAGNETIQUE COMPRENANT UN FILM DE REVETEMENT ISOLANT**
[72] TERASHIMA, TAKASHI, JP
[72] KOKUFU, KARIN, JP
[72] WATANABE, MAKOTO, JP
[72] TAKAMIYA, TOSHITO, JP
[73] JFE STEEL CORPORATION, JP
[85] 2022-03-16
[86] 2020-06-25 (PCT/JP2020/024932)
[87] (WO2021/084793)
[30] JP (2019-198433) 2019-10-31

[11] **3,151,494**
[13] C

[51] **Int.Cl. C25B 15/08 (2006.01) C25B 1/04 (2021.01) F04D 17/12 (2006.01) F04D 25/00 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR COMPRESSING HYDROGEN GAS IN A CENTRIFUGAL COMPRESSOR**
[54] **PROCEDE ET APPAREIL POUR COMPRIMER UN GAZ D'HYDROGENE DANS UN COMPRESSEUR CENTRIFUGE**
[72] WEHRMAN, JOSEPH GERARD, US
[72] HIGGINBOTHAM, PAUL, GB
[72] WHITE, VINCENT, GB
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (3151494)
[87] (3151494)
[22] 2022-03-10
[30] US (17/201,293) 2021-03-15

[11] **3,151,803**
[13] C

[51] **Int.Cl. G01N 27/333 (2006.01)**
[25] EN
[54] **IMPROVED SOLID-STATE MAGNESIUM ION SELECTIVE MICROELECTRODE AND METHODS OF PRODUCTION AND USE THEREOF**
[54] **MICROELECTRODE SELECTIVE AMELIOREE POUR IONS MAGNESIUM A L'ETAT SOLIDE ET PROCEDES POUR SA PRODUCTION ET SON UTILISATION**
[72] ZHANG, WEI, US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2022-02-17
[86] 2020-08-17 (PCT/US2020/046590)
[87] (WO2021/034735)
[30] US (62/888,643) 2019-08-19

[11] **3,152,526**
[13] C

[51] **Int.Cl. A01G 25/00 (2006.01) A01G 25/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ANALYSIS OF CURRENT AND VOLTAGE LEVELS WITHIN A CENTER PIVOT IRRIGATION SYSTEM**
[54] **SYSTEME ET PROCEDE D'ANALYSE DE NIVEAUX DE COURANT ET DE TENSION A L'INTERIEUR D'UN SYSTEME D'IRRIGATION A PIVOT CENTRAL**
[72] THATCHER, TRACY A., US
[73] VALMONT INDUSTRIES, INC., US
[85] 2022-02-24
[86] 2020-09-03 (PCT/US2020/049094)
[87] (WO2021/050341)
[30] US (62/899,174) 2019-09-12

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,153,788**
[13] C

[51] **Int.Cl. C07C 237/26 (2006.01) A61K 31/65 (2006.01)**
[25] EN
[54] **POLYMORPHIC FORMS OF MINOCYCLINE BASE AND PROCESSES FOR THEIR PREPARATION**
[54] **FORMES POLYMORPHIQUES D'UNE BASE DE MINOCYCLINE ET PROCEDES DE PREPARATION**
[72] MENDES, ZITA, PT
[72] CACELA, CONSTANCA, PT
[72] TEN FIGAS, GLORIA, NL
[72] FERNANDEZ CASARES, ANA, NL
[73] HOVIONE SCIENTIA LIMITED, IE
[86] (3153788)
[87] (3153788)
[22] 2016-02-12
[62] 2,975,022
[30] PT (108223) 2015-02-13

[11] **3,153,894**
[13] C

[51] **Int.Cl. H01M 4/88 (2006.01) H01M 8/1004 (2016.01) H01M 4/92 (2006.01) H01M 4/94 (2006.01) C09D 11/52 (2014.01)**
[25] EN
[54] **ELECTROCATALYST INK**
[54] **ENCRE D'ELECTROCATALYSEUR**
[72] HODGKINSON, ADAM, GB
[72] MARTINEZ BONASTRE, ALEJANDRO, GB
[73] JOHNSON MATTHEY HYDROGEN TECHNOLOGIES LIMITED, GB
[85] 2022-04-06
[86] 2020-12-11 (PCT/GB2020/053174)
[87] (WO2021/116691)
[30] GB (1918275.7) 2019-12-12
[30] GB (2007384.7) 2020-05-19

[11] **3,154,426**
[13] C

[51] **Int.Cl. H01H 9/02 (2006.01) H05B 47/19 (2020.01) H01H 3/02 (2006.01) H02G 3/14 (2006.01)**
[25] EN
[54] **REMOTE LOAD CONTROL DEVICE CAPABLE OF ORIENTATION DETECTION**
[54] **DISPOSITIF DE COMMANDE DE CHARGE A DISTANCE CAPABLE DE DETECTION D'ORIENTATION**
[72] DIMBERG, CHRIS, US
[72] GAGE, ALEXANDER WADE, US
[72] HARTE, MATTHEW V., US
[72] KILLO, JASON C., US
[72] KRESCHOLLEK, BRAD MICHAEL, US
[72] MCDONALD, MATTHEW PHILIP, US
[72] TWADDELL, DANIEL L., US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[86] (3154426)
[87] (3154426)
[22] 2017-03-24
[62] 3,018,905
[30] US (62/312,863) 2016-03-24
[30] US (62/345,222) 2016-06-03
[30] US (62/345,449) 2016-06-03
[30] US (62/345,464) 2016-06-03
[30] US (62/356,007) 2016-06-29
[30] US (62/356,179) 2016-06-29
[30] US (62/356,288) 2016-06-29
[30] US (62/411,223) 2016-10-21

[11] **3,154,865**
[13] C

[51] **Int.Cl. C25C 3/06 (2006.01)**
[25] EN
[54] **ALUMINIUM POT BOTTOM PREHEATING METHOD**
[54] **PROCEDE DE CALCINATION DE SOLE D'ELECTROLYSEUR D'ALUMINIUM**
[72] PUZANOV, IL'YA IVANOVICH, RU
[72] ZAVADYAK, ANDREJ VASIL'EVICH, RU
[72] PLATONOV, VITALIJ VLADIMIROVICH, RU
[73] OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2022-03-16
[86] 2020-08-26 (PCT/RU2020/050204)
[87] (WO2021/061015)
[30] RU (2019130349) 2019-09-24

[11] **3,155,437**
[13] C

[51] **Int.Cl. H05B 47/12 (2020.01) F24F 11/50 (2018.01) H04W 4/30 (2018.01) H05B 47/19 (2020.01) G10L 15/22 (2006.01)**
[25] EN
[54] **AUDIO-BASED LOAD CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE CHARGE A BASE AUDIO**
[72] BAKER, RHODES B., US
[72] HARTE, MATTHEW V., US
[72] KARC, JEFFREY, US
[72] KNODE, GALEN E., US
[72] NILL, JOHN B., US
[72] SHUKLA, JAYKRISHNA A., US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[86] (3155437)
[87] (3155437)
[22] 2018-02-07
[62] 3,052,978
[30] US (62/455,973) 2017-02-07

**Canadian Patents Issued
January 9, 2024**

[11] **3,155,920**
[13] C

[51] **Int.Cl. B60R 9/045 (2006.01)**
[25] EN
[54] **UTILITY RACK AND RAIL SYSTEM FOR VEHICLE**
[54] **SYSTEME DE BATI ET DE RAMBARDE UTILITAIRES POUR VEHICULE**
[72] PUCHKOFF, JEROME, US
[73] PUCHKOFF, JEROME, US
[86] (3155920)
[87] (3155920)
[22] 2014-12-24
[62] 2,935,186
[30] US (61/921,265) 2013-12-27
[30] US (61/935,076) 2014-02-03

[11] **3,156,262**
[13] C

[51] **Int.Cl. F21V 5/00 (2018.01) G02B 5/02 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **LUMINAIRE WITH TRI-RADIAL OPTIC**
[54] **APPAREIL D'ECLAIRAGE A OPTIQUE TRIRADIALE**
[72] MARQUARDT, CRAIG EUGENE, US
[72] WU, YINAN, US
[72] BELLA, RICHARD H.S., US
[72] RICKETTS, MELISSA, US
[73] ABL IP HOLDING LLC, US
[86] (3156262)
[87] (3156262)
[22] 2022-04-19
[30] US (63/176,587) 2021-04-19

[11] **3,156,916**
[13] C

[51] **Int.Cl. G06F 15/00 (2006.01) G06F 1/3296 (2019.01) G06F 1/08 (2006.01) G06F 1/20 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND NON-TRANSITORY COMPUTER-READABLE MEDIUM FOR CRYPTOCURRENCY MINING**
[54] **SYSTEME, METHODE ET SUPPORT LISIBLE PAR ORDINATEUR NON TRANSITOIRE POUR LE MINAGE DE CRYPTOMONNAIE**
[72] FRESA, MARC, US
[73] FRESA, MARC, US
[86] (3156916)
[87] (3156916)
[22] 2022-04-28
[30] US (63/229,685) 2021-08-05
[30] US (17/716,651) 2022-04-08

[11] **3,158,351**
[13] C

[51] **Int.Cl. C08J 11/16 (2006.01) C07C 51/347 (2006.01) C07C 63/26 (2006.01) G01N 33/44 (2006.01) C08G 63/183 (2006.01)**
[25] EN
[54] **METHOD FOR THE PRODUCTION OF A TEREPHTHALIC ACID MIXTURE AND TEREPHTHALIC ACID MIXTURE AND ITS USE**
[54] **PROCEDE DE PREPARATION D'UN MELANGE D'ACIDE TEREPHTHALIQUE ET D'ACIDE ISOPHTHALIQUE RECYCLES**
[72] BIERMANN, LARS, DE
[72] BREPOHL, ESTHER, DE
[72] EICHERT, CARSTEN, DE
[72] MULLER, CLEMENS, DE
[72] SALIKOV, VITALIJ, DE
[72] SCHOLL, STEPHAN, DE
[73] RITTEC UMWELTTECHNIK GMBH, DE
[85] 2022-04-20
[86] 2021-05-25 (PCT/EP2021/063917)
[87] (WO2022/033735)
[30] DE (10 2020 123 772.3) 2020-09-11

[11] **3,158,940**
[13] C

[51] **Int.Cl. F23G 7/06 (2006.01) F23D 11/44 (2006.01) F23D 14/66 (2006.01) F23G 5/46 (2006.01)**
[25] EN
[54] **APPARATUS FOR HEATING A GAS BURNER UNIT**
[54] **APPAREIL POUR CHAUFFER UN BRULEUR A GAZ**
[72] CALLBECK, JAYDEN MICHAEL, CA
[73] NORALTA TECHNOLOGIES INC., CA
[86] (3158940)
[87] (3158940)
[22] 2022-05-16

[11] **3,160,496**
[13] C

[51] **Int.Cl. H04W 4/38 (2018.01) H04L 12/66 (2006.01) G16Y 30/10 (2020.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMITTING DATA IN IOT SYSTEM, AND GATEWAY DEVICE AND STORAGE MEDIUM THEREOF**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE DONNEES DANS UN SYSTEME IOT, ET DISPOSITIF DE PASSERELLE ET SUPPORT DE STOCKAGE ASSOCIE**
[72] QIAN, JIALIN, CN
[72] CUI, CHANGDONG, CN
[72] ZHANG, HONGZHEN, CN
[72] ZHANG, YANG, CN
[73] ENVISION DIGITAL INTERNATIONAL PTE. LTD., SG
[73] SHANGHAI ENVISION DIGITAL CO., LTD., CN
[85] 2022-05-05
[86] 2020-11-04 (PCT/SG2020/050637)
[87] (WO2021/091492)
[30] CN (201911076109.2) 2019-11-06

[11] **3,161,106**
[13] C

[51] **Int.Cl. B01L 7/00 (2006.01) G01J 3/00 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **REAL-TIME THERMOCYCLER WITH ADJUSTABLE EXCITATION UNIT**
[54] **THERMOCYCLEUR EN TEMPS REEL A UNITE D'EXCITATION REGLABLE**
[72] KOGER, BIRGIT, DE
[73] TERRAMARK MARKENCREATION GMBH, DE
[85] 2022-06-07
[86] 2020-12-17 (PCT/EP2020/086852)
[87] (WO2021/123039)
[30] EP (19217031.4) 2019-12-17

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,161,179**
[13] C

[51] **Int.Cl. G06V 10/774 (2022.01) G06T 7/10 (2017.01) G06N 20/00 (2019.01) G06V 10/26 (2022.01) G06V 20/69 (2022.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PROCESSING ELECTRONIC IMAGES FOR COMPUTATIONAL DETECTION METHODS**

[54] **SYSTEMES ET PROCÉDES DE TRAITEMENT D'IMAGES ELECTRONIQUES POUR PROCÉDES DE DETECTION DE CALCUL**

[72] ROTHROCK, BRANDON, US
[72] KANAN, CHRISTOPHER, US
[72] VIRET, JULIAN, US
[72] FUCHS, THOMAS, US
[72] GRADY, LEO, US
[73] PAIGE.AI, INC., US
[85] 2022-06-08
[86] 2021-01-27 (PCT/US2021/015285)
[87] (WO2021/154849)
[30] US (62/966,716) 2020-01-28

[11] **3,161,511**
[13] C

[51] **Int.Cl. E04H 1/12 (2006.01) E04H 14/00 (2006.01)**

[25] EN

[54] **FOUR-DEVICE-IN-ONE MULTI-FUNCTION BUNGALOW**

[54] **BUNGALOW POLYVALENT QUATRE EN UN**

[72] VOLIN, DEE, US
[73] VOLIN, DEE, US
[85] 2022-06-10
[86] 2021-09-08 (PCT/US2021/049524)
[87] (WO2022/197323)
[30] US (17/200,920) 2021-03-15

[11] **3,162,450**
[13] C

[51] **Int.Cl. B60P 7/02 (2006.01) B62D 33/04 (2006.01)**

[25] EN

[54] **LATCH ASSEMBLIES AND RAIL ATTACHMENT FOR A PICKUP TRUCK TONNEAU COVER**

[54] **ENSEMBLES DE VERROUILLAGE ET FIXATION DE RAIL POUR COUVRE-CAISSE DE CAMIONNETTE**

[72] SOSENKO, ERIC, US
[72] ROSSI, STEVEN, CA
[72] LOUDON, JONATHAN, CA
[72] RICHARDSON, JULIAN, CA
[73] WORKSPORT LTD., CA
[86] (3162450)
[87] (3162450)
[22] 2020-03-25
[62] 3,134,924
[30] US (62/823,316) 2019-03-25

[11] **3,162,454**
[13] C

[51] **Int.Cl. B60P 7/02 (2006.01) B62D 33/04 (2006.01)**

[25] EN

[54] **LATCH ASSEMBLIES AND RAIL ATTACHMENT FOR A PICKUP TRUCK TONNEAU COVER**

[54] **ENSEMBLES DE VERROUILLAGE ET FIXATION DE RAIL POUR COUVRE-CAISSE DE CAMIONNETTE**

[72] ROSSI, STEVEN, CA
[72] LOUDON, JONATHAN, CA
[72] RICHARDSON, JULIAN, CA
[73] WORKSPORT LTD., CA
[86] (3162454)
[87] (3162454)
[22] 2020-03-25
[62] 3,134,924
[30] US (62/823,316) 2019-03-25

[11] **3,162,794**
[13] C

[51] **Int.Cl. B60B 33/00 (2006.01) B60S 5/00 (2006.01) B62B 5/00 (2006.01)**

[25] EN

[54] **CASTER WHEEL WITH CONSTANT FORCE MECHANISM**

[54] **ROUE PIVOTANTE AVEC MECANISME A FORCE CONSTANTE**

[72] GONCALVES, FERNANDO D., US
[72] FINNEGAN, PAUL F., US
[72] SIGMAN, GREG, US
[72] BROWN, MICHAEL V., US
[73] THE RAYMOND CORPORATION, US
[86] (3162794)
[87] (3162794)
[22] 2015-03-31
[62] 2,886,593
[30] US (14/242,491) 2014-04-01

[11] **3,163,705**
[13] C

[51] **Int.Cl. F16J 15/16 (2006.01) F16K 3/02 (2006.01) F16K 3/312 (2006.01)**

[25] EN

[54] **GATE VALVE**

[54] **ROBINET-VANNE**

[72] KALIMUTHU, ANAND, US
[73] WORLDWIDE OILFIELD MACHINE, INC., US
[85] 2022-07-04
[86] 2021-01-12 (PCT/US2021/013059)
[87] (WO2021/146178)
[30] US (62/961,452) 2020-01-15
[30] US (62/981,165) 2020-02-25
[30] US (16/885,721) 2020-05-28

**Canadian Patents Issued
January 9, 2024**

[11] **3,165,607**
[13] C

[51] **Int.Cl. A01K 67/033 (2006.01) G05D 23/00 (2006.01)**
[25] EN
[54] **PRODUCTION SURFACE WITH SYSTEM OF UNDERFLOOR HEATING AND/OR COOLING OF INSECT FEED, USE OF UNDERFLOOR SYSTEM AND METHOD FOR BREEDING INSECTS USING THEREOF**
[54] **SURFACE DE PRODUCTION D'UN SYSTEME POUR FAIRE CHAUFFER ET/OU FROIDIR PAR LE SOL DE LA NOURRITURE POUR INSECTES, UTILISATION D'UN SYSTEME SOUS PLANCHER ET PROCEDE D'ELEVAGE D'INSECTES FAISANT APPEL A CELUI-CI**
[72] JOZEFIAK, DAMIAN, PL
[72] LUBIK, PIOTR, PL
[72] DUDEK, KRZYSZTOF, PL
[73] HIPROMINE S.A., PL
[85] 2022-06-21
[86] 2021-06-29 (PCT/PL2021/050048)
[87] (WO2021/235957)
[30] PL (P.435064) 2020-08-24

[11] **3,166,020**
[13] C

[51] **Int.Cl. A61B 5/07 (2006.01) H04W 4/38 (2018.01) A61B 5/00 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **ELECTRODYNAMIC FIELD STRENGTH TRIGGERING SYSTEM**
[54] **SYSTEME DE DECLENCHEMENT D'INTENSITE DE CHAMP ELECTRODYNAMIQUE**
[72] COLVIN, ARTHUR E., US
[72] DEHENNIS, ANDREW, US
[73] SENSEONICS, INCORPORATED, US
[86] (3166020)
[87] (3166020)
[22] 2012-10-11
[62] 3,073,586
[30] US (61/545,874) 2011-10-11
[30] US (61/597,496) 2012-02-10

[11] **3,168,128**
[13] C

[51] **Int.Cl. F41B 5/14 (2006.01) F41B 5/00 (2006.01)**
[25] EN
[54] **BOW GRIP WITH CONTINUOUSLY ADJUSTABLE WRIST ANGLE**
[54] **POIGNEE POUR ARC CAPABLE D'UN AJUSTEMENT CONTINU DE L'ANGLE DU POIGNET**
[72] STEVENS, JOSHUA, US
[73] BOWTECH, LLC, US
[86] (3168128)
[87] (3168128)
[22] 2022-07-18
[30] US (17/505,464) 2021-10-19

[11] **3,169,394**
[13] C

[51] **Int.Cl. H04L 9/00 (2022.01) G06F 21/62 (2013.01) H04L 67/10 (2022.01)**
[25] EN
[54] **DISTRIBUTED DATA SET ENCRYPTION AND DECRYPTION**
[54] **CHIFFREMENT ET DECHIFFREMENT D'ENSEMBLE DE DONNEES DISTRIBUEES**
[72] BOWMAN, BRIAN PAYTON, US
[72] GASS, MARK KUEBLER, US
[73] SAS INSTITUTE INC., US
[86] (3169394)
[87] (3169394)
[22] 2017-09-20
[62] 3,066,480
[30] US (62/519,824) 2017-06-14
[30] US (62/535,961) 2017-07-23
[30] US (15/694,217) 2017-09-01
[30] US (15/694,674) 2017-09-01

[11] **3,169,778**
[13] C

[51] **Int.Cl. E02F 3/40 (2006.01) E02F 9/28 (2006.01)**
[25] EN
[54] **BUCKET FOR UNDERGROUND LOADING MACHINE**
[54] **GODET POUR MACHINE DE CHARGEMENT SOUTERRAIN**
[72] ALBERS, RILEY A., US
[73] CATERPILLAR UNDERGROUND MINING PTY. LTD., AU
[85] 2022-08-26
[86] 2021-03-05 (PCT/AU2021/050187)
[87] (WO2021/174305)
[30] US (16/810,268) 2020-03-05

[11] **3,170,145**
[13] C

[51] **Int.Cl. B67D 1/08 (2006.01) B67D 7/74 (2010.01) C12C 11/11 (2019.01) C12G 3/04 (2019.01)**
[25] EN
[54] **UNIT FOR DISPENSING ULTRA-HIGH GRAVITY FERMENTED BEVERAGES ON DRAFT**
[54] **UNITE DE DISTRIBUTION DE BOISSONS FERMENTEES A ULTRA-HAUTE DENSITE A LA PRESSION**
[72] MCGOVERN, RONAN, US
[72] CATALDO, JOHN, US
[72] CIACCIA, NATALIE, US
[72] WEINER, ADAM, US
[72] MA, RICKY, US
[73] ALFA LAVAL COPENHAGEN A/S, DK
[85] 2022-08-05
[86] 2021-02-05 (PCT/US2021/016897)
[87] (WO2021/158975)
[30] US (62/971,447) 2020-02-07

[11] **3,171,505**
[13] C

[51] **Int.Cl. A01H 6/82 (2018.01) A23L 19/00 (2016.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01)**
[25] EN
[54] **FERTILISATION INDEPENDENT FRUIT FORMATION IN TOMATO**
[54] **FORMATION DE FRUIT INDEPENDANTE DE LA FERTILISATION DANS UN PLANT DE TOMATE**
[72] VAN DUN, CORNELIS MARIA PETRUS, NL
[72] EGGINK, PIETER MARTIJN, NL
[72] DRAGER, DORTHE BETTINA, NL
[73] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V., NL
[86] (3171505)
[87] (3171505)
[22] 2010-06-21
[62] 3,065,228
[30] EP (09163385.9) 2009-06-22

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,171,720**
[13] C

[51] **Int.Cl. G01N 21/66 (2006.01) G01N 21/76 (2006.01)**
[25] EN
[54] **METHODS FOR CONDUCTING ELECTROCHEMILUMINESCENCE MEASUREMENTS**
[54] **METHODES POUR LA REALISATION DE MESURES DE ELECTROCHIMILUMINESCENCE**
[72] GLAZER, ELI, N., US
[72] LELAND, JONATHAN, K., US
[72] BILLADEAU, MARK, A., US
[72] LEGINUS, JOSEPH, M., US
[72] JEFFREY-COKER, BANDELE, US
[72] DEBAD, JEFF, D., US
[72] PHALNIKAR, KOUSTUBH, A., US
[72] JAMBUNATHAN, SRIRAM, US
[73] MESO SCALE TECHNOLOGIES, LLC., US
[86] (3171720)
[87] (3171720)
[22] 2003-12-23
[62] 3,122,193
[30] US (60/436,569) 2002-12-26

[11] **3,175,724**
[13] C

[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/55 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07D 401/14 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **BENZIMIDAZOLE DERIVATIVES, AND PHARMACEUTICAL COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **DERIVES DE BENZIMIDAZOLE, COMPOSITIONS PHARMACEUTIQUES ET METHODES D'UTILISATION**
[72] LONG, YUN, US
[73] CAPELLA THERAPEUTICS, INC., US
[86] (3175724)
[87] (3175724)
[22] 2015-03-19
[62] 2,943,220
[30] US (61/968,225) 2014-03-20

[11] **3,177,233**
[13] C

[51] **Int.Cl. H04N 19/86 (2014.01) H04N 19/186 (2014.01) H04N 19/70 (2014.01) H04N 19/82 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE, FOR PERFORMING DEBLOCKING FILTERING BY DETERMINING BOUNDARY STRENGTH, AND METHOD FOR TRANSMITTING BITSTREAM**
[54] **PROCEDE ET APPAREIL DE CODAGE/DECODAGE D'IMAGE POUR REALISER UN FILTRAGE PAR DEBLOCAGE EN DETERMINANT UNE INTENSITE DE LIMITE, ET PROCEDE POUR TRANSMISSION DE FLUX BINAIRE**
[72] JANG, HYEONG MOON, KR
[72] LEE, SANGHEON, KR
[73] LG ELECTRONICS INC., KR
[85] 2022-09-23
[86] 2021-03-17 (PCT/KR2021/003309)
[87] (WO2021/194155)
[30] US (62/994,831) 2020-03-25

[11] **3,177,603**
[13] C

[51] **Int.Cl. H01F 17/02 (2006.01) H01F 27/28 (2006.01) H01F 27/29 (2006.01) H01L 21/762 (2006.01) H01L 23/522 (2006.01)**
[25] EN
[54] **BROADBAND INDUCTION**
[54] **INDUCTION DE LARGE BANDE**
[72] FLEMMING, JEB H., US
[72] VANGALA, REDDY, US
[73] 3D GLASS SOLUTIONS, INC., US
[85] 2022-09-28
[86] 2021-04-15 (PCT/US2021/027499)
[87] (WO2021/211855)
[30] US (63/011,505) 2020-04-17

[11] **3,183,328**
[13] C

[51] **Int.Cl. B60L 53/80 (2019.01) B25J 5/00 (2006.01)**
[25] EN
[54] **SINGLE-SIDED MOVABLE BATTERY SWAP STATION**
[54] **POSTE D'ECHANGE DE BATTERIE MOBILE D'UN SEUL COTE**
[72] YU, CHANGQING, CA
[73] VOLTA AUTO INC., CA
[86] (3183328)
[87] (3183328)
[22] 2022-12-02

[11] **3,183,632**
[13] C

[51] **Int.Cl. F02G 1/043 (2006.01) G01P 13/04 (2006.01)**
[25] EN
[54] **METHOD FOR AND CONTROL SYSTEM WITH PISTON AMPLITUDE RECOVERY FOR FREE-PISTON MACHINES**
[54] **PROCEDE DE RECUPERATION D'AMPLITUDE DE PISTON ET SYSTEME DE COMMANDE ASSOCIE POUR MACHINES A PISTON LIBRE**
[72] BERCHOWITZ, DAVID M., US
[73] GLOBAL COOLING, INC., US
[85] 2022-12-21
[86] 2021-06-22 (PCT/US2021/038433)
[87] (WO2022/005810)
[30] US (16/919,689) 2020-07-02

[11] **3,183,910**
[13] C

[51] **Int.Cl. G06K 19/077 (2006.01) G06Q 20/34 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING POWER TO A MULTI-PURPOSE TRANSACTION CARD**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR DE L'ENERGIE A UNE CARTE DE TRANSACTION POLYVALENTE**
[72] JOHNSON, MOLLY, US
[72] ZARAKAS, JAMES, US
[72] VUKICH, ADAM, US
[73] CAPITAL ONE SERVICES, LLC, US
[85] 2022-11-17
[86] 2021-05-17 (PCT/US2021/032720)
[87] (WO2021/236500)
[30] US (16/876,771) 2020-05-18

**Canadian Patents Issued
January 9, 2024**

[11] **3,186,522**
[13] C

[51] **Int.Cl. B60T 1/093 (2006.01) B60K 31/08 (2006.01) B60T 10/04 (2006.01) F15B 13/02 (2006.01) F15B 13/04 (2006.01)**

[25] EN

[54] **HYDRAULIC RETARDING CONTROL SYSTEM**

[54] **SYSTEME DE COMMANDE DE RALENTISSEMENT HYDRAULIQUE**

[72] CHEN, DAYAO, US

[72] ERDMAN, WILLIAM F., US

[72] MATE, EDWARD W., US

[73] CATERPILLAR UNDERGROUND MINING PTY LTD, AU

[85] 2023-01-18

[86] 2021-07-23 (PCT/AU2021/050794)

[87] (WO2022/016227)

[30] US (16/937,160) 2020-07-23

[11] **3,192,438**
[13] C

[51] **Int.Cl. B60G 11/16 (2006.01) F16F 1/12 (2006.01)**

[25] EN

[54] **SPRING SUPPORT DEVICE AND VEHICLE HAVING THE SAME**

[54] **DISPOSITIF DE SUPPORT DE RESSORT ET VEHICULE COMPRENANT LE DISPOSITIF**

[72] DU, DEHUI, CN

[72] FU, JIA, CN

[73] SHANGHAI LINGHUO TRADING CO., LTD., CN

[86] (3192438)

[87] (3192438)

[22] 2023-03-09

[30] CN (202221363031.X) 2022-05-24

[11] **3,194,202**
[13] C

[51] **Int.Cl. B60H 1/00 (2006.01) F24F 1/029 (2019.01) F24F 1/031 (2019.01) A61G 3/00 (2006.01) B60P 3/20 (2006.01)**

[25] EN

[54] **SELF-CONTAINED HVAC SYSTEM FOR VEHICLES AND METHOD OF USE THEREOF**

[54] **SYSTEME CVC AUTONOME POUR VEHICULES ET METHODE D'UTILISATION**

[72] BASSINDALE, BRIAN, CA

[73] SIMPLICITY AIR LTD., CA

[86] (3194202)

[87] (3194202)

[22] 2023-03-27

[30] US (63/324,368) 2022-03-28

[11] **3,194,444**
[13] C

[51] **Int.Cl. G02B 1/04 (2006.01)**

[25] EN

[54] **CATIONIC CONTACT LENS**

[54] **LENTILLE DE CONTACT CATIONIQUE**

[72] JI, YUAN, US

[72] LIU, YUWEN, US

[72] ROGERS, VICTORIA, US

[72] LEE, HYO JEANG, US

[72] SI, ERWIN C., US

[72] KEIR, NANCY J., US

[73] COOPERVISION INTERNATIONAL LIMITED, GB

[85] 2023-03-30

[86] 2021-12-09 (PCT/GB2021/053224)

[87] (WO2022/129871)

[30] US (63/125,418) 2020-12-15

[11] **3,197,829**
[13] C

[51] **Int.Cl. H01M 10/0567 (2010.01) H01M 10/0568 (2010.01) H01M 10/0569 (2010.01)**

[25] EN

[54] **LITHIUM ION ELECTROLYTE, PREPARATION METHOD AND APPLICATION THEREOF**

[54] **ELECTROLYTE AU LITHIUM-ION, SON PROCEDE DE PREPARATION ET SON APPLICATION**

[72] XIA, HENGHENG, CN

[72] AN, ZHONGXUN, CN

[72] YANG, CHONGYANG, CN

[72] XU, XUERU, CN

[72] SUO, LULU, CN

[72] HUANG, TINGLI, CN

[72] WU, MINGXIA, CN

[72] YU, JIAFEI, CN

[72] HUA, LI, CN

[73] SHANGHAI AOWEI TECHNOLOGY DEVELOPMENT CO., LTD., CN

[85] 2023-05-05

[86] 2021-04-02 (PCT/CN2021/085419)

[87] (WO2022/160464)

[30] CN (202110112680.6) 2021-01-27

[11] **3,198,719**
[13] C

[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/445 (2006.01)**

[25] EN

[54] **OUTLET CLOSURE AND SECUREMENT SYSTEM FOR DRAINABLE POUCH**

[54] **SYSTEME DE FERMETURE ET DE FIXATION DE SORTIE POUR UNE POCHE A CAPACITE DE DRAINAGE**

[72] WEINBERG, ROBERT J., US

[73] HOLLISTER INCORPORATED, US

[85] 2023-05-12

[86] 2023-01-12 (PCT/US2023/060551)

[87] (3198719)

[30] US (63/304,998) 2022-01-31

**Brevets canadiens délivrés
9 janvier 2024**

[11] **3,199,349**

[13] C

[51] **Int.Cl. A61K 31/343 (2006.01) A61P 17/02 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING WOUND OR SCAR, COMPRISING BENZBROMARONE**

[54] **COMPOSITION PHARMACEUTIQUE DESTINEE A PREVENIR OU TRAITER UNE PLAIE OU UNE CICATRICE, COMPRENANT DE LA BENZBROMARONE**

[72] LIM, DONG CHUL, KR

[72] PARK, JUNG GYU, KR

[73] INNOVO THERAPEUTICS INC., KR

[85] 2023-05-17

[86] 2021-11-29 (PCT/KR2021/017723)

[87] (WO2022/114881)

[30] KR (10-2020-0163975) 2020-11-30

[11] **3,207,795**

[13] C

[51] **Int.Cl. G21C 9/00 (2006.01) G21C 9/04 (2006.01) G21D 3/04 (2006.01)**

[25] EN

[54] **UNDERGROUND NUCLEAR POWER REACTOR WITH A BLAST MITIGATION CHAMBER**

[54] **REACTEUR NUCLEAIRE SOUTERRAIN DOTE D'UNE CHAMBRE D'ATTENUATION DES EXPLOSIONS**

[72] GANESAN, PALVANNANATHAN, US

[73] GANESAN, PALVANNANATHAN, US

[85] 2023-08-08

[86] 2021-12-13 (PCT/US2021/063082)

[87] (WO2022/182402)

[30] US (17/183,923) 2021-02-24

[11] **3,209,324**

[13] C

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

[25] EN

[54] **DEVICE, SYSTEM AND METHOD FOR TRANSMITTING NOTIFICATIONS BASED ON INDICATIONS OF EFFECTIVENESS FOR PREVIOUS NOTIFICATIONS**

[54] **DISPOSITIF, SYSTEME ET PROCEDE DE TRANSMISSION DE NOTIFICATIONS BASES SUR DES INDICATIONS D'EFFICACITE DES NOTIFICATIONS PRECEDENTES**

[72] MCCLELLAND, ADAM, GB

[72] FIRPO, ISABEL, US

[72] WILSON, RON, US

[72] SAGE, MEURIG, GB

[73] MOTOROLA SOLUTIONS, INC., US

[85] 2023-08-22

[86] 2022-03-02 (PCT/US2022/018478)

[87] (WO2022/197447)

[30] US (17/205,488) 2021-03-18

Canadian Applications Open to Public Inspection

December 24, 2023 to December 30, 2023

Demandes canadiennes mises à la disponibilité du public

24 décembre 2023 au 30 décembre 2023

[21] **3,165,179**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01)**
[25] EN
[54] **IN-SITU OIL UPGRADING VIA DEASPHALTING**
[54] **AMELIORATION DE L~EXPLOITATION IN SITU DES SABLES BITUMINEUX PAR DESASPHALTAGE**
[72] BEN-ZVI, AMOS, CA
[72] NASSAR, NASHAAT, CA
[72] MORASSE, PAULINA, CA
[72] ADETUNJI, LUKEMON, CA
[71] CENOVUS ENERGY INC., CA
[22] 2022-06-24
[41] 2023-12-24

[21] **3,165,785**
[13] A1
[51] **Int.Cl. B60N 2/806 (2018.01) B60N 2/80 (2018.01) A47C 16/00 (2006.01) B64D 11/06 (2006.01)**
[25] EN
[54] **TRAVEL HEAD AND CHEST SUPPORT**
[54] **SUPPORT POUR LA TETE ET LA POITRINE LORS DES DEPLACEMENTS**
[72] JOSDAL, TYRONE, CA
[71] JOSDAL, TYRONE, CA
[22] 2022-06-28
[41] 2023-12-28

[21] **3,166,098**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 47/06 (2012.01) E21B 49/08 (2006.01) E21B 19/14 (2006.01)**
[25] EN
[54] **MODULES AND CONFIGURATIONS OF MODULES FOR HYDROCARBON WELLS FIELD**
[54] **MODULES ET CONFIGURATIONS DE MODULES POUR CHAMP DE PUIITS D~HYDROCARBURES**
[72] NIELSEN, DONOVAN, CA
[72] KOHLHAMMER, OLIVER, CA
[71] SCOVAN ENGINEERING INC., CA
[22] 2022-06-30
[41] 2023-12-30

[21] **3,166,106**
[13] A1
[51] **Int.Cl. G06Q 40/06 (2012.01) G06Q 30/06 (2023.01)**
[25] EN
[54] **ASSET ACQUISITION METHOD**
[54] **METHODE D~ACQUISITION D~ELEMENTS D~ACTIFS**
[72] POZSAR, ATTILA, CA
[71] POZSAR, ATTILA, CA
[22] 2022-06-29
[41] 2023-12-29

[21] **3,166,176**
[13] A1
[51] **Int.Cl. B60J 1/02 (2006.01) B60F 5/00 (2006.01)**
[25] EN
[54] **CONNECTOR FOR CONNECTING A WINDSHIELD AND AN INTRUSION BAR TO A ROLL CAGE OF AN OFF-ROAD VEHICLE**
[54] **CONNECTEUR POUR RELIER UN PARE-BRISE ET UNE BARRE ANTI-INTRUSION A UNE CAGE DE RETOURNEMENT D~UN VEHICULE HORS ROUTE**
[72] COUTURE, RAPHAEL, CA
[72] BILODEAU, HUBERT, CA
[72] PROULX, YANICK, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2022-06-30
[41] 2023-12-30

[21] **3,166,178**
[13] A1
[51] **Int.Cl. F16H 48/22 (2006.01) F16H 48/38 (2012.01) B60K 17/16 (2006.01) F16H 57/04 (2010.01)**
[25] EN
[54] **LIMITED-SLIP DIFFERENTIAL SYSTEM**
[54] **SYSTEME DIFFERENTIEL A GLISSEMENT LIMITE**
[72] DUMAS, FRANCOIS-CHARLES, CA
[72] BONIN, CHARLES-ANTOINE, CA
[72] SIMARD, REJEAN, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2022-06-30
[41] 2023-12-30

Demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023

[21] **3,166,180**
[13] A1

[51] **Int.Cl. A01D 57/01 (2006.01) A01D 41/06 (2006.01)**
[25] EN
[54] **AIR DELIVERY SYSTEM FOR ASSISTING GRAIN CROP HARVESTING**
[54] **SYSTEME DE DISTRIBUTION D-AIR POUR FACILITER LA RECOLTE DES CEREALES**
[72] MACDONALD, MARK, CA
[72] BROWN, IAN, CA
[72] DECORTE, MICHAEL, CA
[71] TEMP FARM EQUIPMENT LTD., CA
[22] 2022-06-30
[41] 2023-12-30

[21] **3,166,186**
[13] A1

[51] **Int.Cl. B60P 7/04 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **DEPLOYMENT SYSTEM FOR ROLLING TARP SYSTEMS**
[54] **SYSTEME DE DEPLOIEMENT POUR SYSTEMES A BACHAGE COULISSANT**
[72] COTTINGHAM, BRENT R., US
[72] BJORUM, JUSTIN, US
[71] TARPSTOP, LLC, US
[22] 2022-06-30
[41] 2023-12-30

[21] **3,166,189**
[13] A1

[51] **Int.Cl. A47J 37/04 (2006.01) A47J 37/06 (2006.01) F24C 15/10 (2006.01)**
[25] EN
[54] **AUTONOMOUS COOKING GRILL**
[54] **GRIL DE CUISSON AUTONOME**
[72] SEVADJIAN, KEVORK, CA
[72] SKREPNEK, ANDREW, CA
[72] TAZBAZIAN, KRISTIAN, CA
[71] GASTRONOMOUS TECHNOLOGIES INC., CA
[22] 2022-06-29
[41] 2023-12-29

[21] **3,166,214**
[13] A1

[51] **Int.Cl. G01N 21/89 (2006.01)**
[25] EN
[54] **LINEAR INSPECTION SYSTEM AND METHOD OF INSPECTING A WOOD PRODUCT**
[54] **SYSTEME ET METHODE D-INSPECTION LINEAIRE D-UN PRODUIT EN BOIS**
[72] PAQUET, MARC-ANTOINE, CA
[72] POIRIER, CARL, CA
[72] CHARLAND, WILLIAM, CA
[71] TIMBER TECHNOLOGY INC., CA
[22] 2022-06-29
[41] 2023-12-29

[21] **3,166,253**
[13] A1

[51] **Int.Cl. F02B 77/04 (2006.01) F02M 61/16 (2006.01) F02M 63/00 (2006.01)**
[25] EN
[54] **CLEANING, MAINTAINING, REFURBISHING, AND/OR DIAGNOSING ENGINE COMPONENTS INCLUDING FUEL-INJECTORS**
[54] **NETTOYAGE, ENTRETIEN, REMISE A NEUF ET/OU DIAGNOSTIC DES COMPOSANTS DE MOTEUR, Y COMPRIS LES INJECTEURS DE COMBUSTIBLE**
[72] MICHALEK, JOHN JOSEPH JAMES, US
[72] MCNEILL, JOHN, US
[71] DAIMLER TRUCK NORTH AMERICA LLC, US
[22] 2022-06-30
[41] 2023-12-24
[30] US (17/849261) 2022-06-24

[21] **3,166,292**
[13] A1

[51] **Int.Cl. C13B 30/00 (2011.01) C13B 20/00 (2011.01) C13B 25/00 (2011.01)**
[25] FR
[54] **METHODS AND DEVICES FOR CRYSTALLIZATION OF DOWNGRADED SAP**
[54] **METHODES ET APPAREILS DE CRISTALLISATION DE SEVE DECLASSEE**
[72] DUFOUR, CLAUDE, CA
[72] DUBE, PASCAL, CA
[72] BOUFFARD, JONATHAN, CA
[71] LES TECHNOLOGIES CLDUFOUR INC., CA
[22] 2022-06-30
[41] 2023-12-30

[21] **3,166,409**
[13] A1

[51] **Int.Cl. F16L 25/06 (2006.01) F16L 25/12 (2006.01) F16L 27/113 (2006.01)**
[25] EN
[54] **RESTRAINED PIPE COUPLING**
[54] **RACCORD DE TUYAUTERIE AVEC RETENUE**
[72] REINHEIMER, JONATHAN, CA
[72] TURNER, CORBIN, CA
[71] ROBAR INDUSTRIES LTD., CA
[22] 2022-06-27
[41] 2023-12-27

[21] **3,166,574**
[13] A1

[51] **Int.Cl. A01B 63/111 (2006.01) A01D 41/12 (2006.01)**
[25] EN
[54] **AGRICULTURAL IMPLEMENT WITH STABILIZERS**
[54] **MACHINE AGRICOLE AVEC STABILISATEURS**
[72] HONEY, GLENN RAYMOND, CA
[72] HARPER, LEE GLENN, CA
[71] HONEY BEE MANUFACTURING LTD., CA
[22] 2022-06-28
[41] 2023-12-28

[21] **3,172,058**
[13] A1

[51] **Int.Cl. E06B 9/42 (2006.01)**
[25] EN
[54] **CHILD-RESISTANT ROLLER BLIND LIFTING FIXING ROD AND USE METHOD THEREOF**
[54] **TIGE DE FIXATION POUR REMONTER LE STORE A ROULEAU A L-EPREUVE DES ENFANTS ET METHODE D-UTILISATION DE CETTE TIGE**
[72] LU, JIEBING, CN
[71] NINGBO JIESHU WINDOW COVERINGS MANUFACTURING CO. LTD, CN
[22] 2022-09-02
[41] 2023-12-29
[30] CN (202210759043.2) 2022-06-29

**Canadian Applications Open to Public Inspection
December 24, 2023 to December 30, 2023**

[21] **3,176,943**
[13] A1

[51] **Int.Cl. A61B 34/10 (2016.01) A61B 34/20 (2016.01) A61B 3/113 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SURGICAL TRAJECTORY PLANNING**
[54] **SYSTEMES ET METHODES DE PLANIFICATION DE LA TRAJECTOIRE CHIRURGICALE**
[72] XIAO, YIMING, CA
[72] HELLUM, OWEN, CA
[71] VALORBEC, SOCIETE EN COMMANDITE, CA
[22] 2022-09-26
[41] 2023-12-30
[30] US (63/357,102) 2022-06-30

[21] **3,181,187**
[13] A1

[51] **Int.Cl. B29C 48/885 (2019.01)**
[25] EN
[54] **AIR RING FOR BLOWN-FILM EXTRUSION APPARATUS**
[54] **BAGUE D~AIR POUR APPAREIL D~EXTRUSION DE FILM TUBULAIRE**
[72] JOSEPH, DANIEL R., US
[72] POWELL, JOSHUA S., US
[72] HAWK, ADRIAN M., US
[71] JOSEPH, DANIEL R., US
[22] 2022-11-01
[41] 2023-12-28
[30] US (17/851436) 2022-06-28

[21] **3,187,874**
[13] A1

[51] **Int.Cl. A61L 27/54 (2006.01)**
[25] EN
[54] **CRANIOFACIAL IMPLANT MADE OF POLYETHER ETHER KETONE (PEEK) WITH DEPOSITS TO STORE AND RELEASE ACTIVE SUBSTANCES OR ACTIVE INGREDIENT**
[54] **IMPLANT CRANIOFACIAL EN POLYETHERETHERCETONE (PEEK) AVEC DEPOTS POUR STOCKER ET RELACHER DES SUBSTANCES ACTIVES OU UN INGREDIENT ACTIF**
[72] ROSENBERG VAIZER, LLAN BERNANDO, CL
[72] SKARMETA SILVA, MARCOS ALFREDO, CL
[71] ARCOSYSTEM SPA, CL
[22] 2023-01-27
[41] 2023-12-29
[30] US (63/367,226) 2022-06-29
[30] CL (202201955) 2022-07-20

[21] **3,192,370**
[13] A1

[51] **Int.Cl. B64C 1/14 (2006.01) E05B 83/04 (2014.01) E05B 83/40 (2014.01) E05B 85/00 (2014.01) E05C 17/60 (2006.01)**
[25] EN
[54] **A DOOR LOCKING ASSEMBLY FOR AN AIRCRAFT**
[54] **ASSEMBLAGE DU MECANISME DE VERROUILLAGE POUR AERONEF**
[72] VAYSSIERE, AURELIEN, DE
[72] RENARD, AURELIEN, FR
[72] FRUITET, PIERRE, FR
[72] REIN, BERNHARD, DE
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
[71] AIRBUS HELICOPTERS, FR
[22] 2023-03-08
[41] 2023-12-30
[30] FR (22400005.9) 2022-06-30

[21] **3,192,479**
[13] A1

[51] **Int.Cl. E05B 77/00 (2014.01) E05B 85/08 (2014.01) E05B 1/00 (2006.01) G05G 5/06 (2006.01)**
[25] EN
[54] **PUSH BUTTON LOCK**
[54] **SERRURE A BOUTON POUSSOIR**
[72] POLLNOW, SCOTT T., US
[72] GOODMAN, ANDREW NOEL, US
[72] CHEREK, KURTIS L., US
[71] STRATTEC SECURITY CORPORATION, US
[22] 2023-03-08
[41] 2023-12-30
[30] US (63/357,129) 2022-06-30

[21] **3,195,006**
[13] A1

[51] **Int.Cl. B65D 3/22 (2006.01) A47G 19/03 (2006.01) A47G 19/22 (2006.01) B65D 3/04 (2006.01) B65D 3/06 (2006.01)**
[25] EN
[54] **CORRUGATED PAPER CUP**
[54] **GOBELET EN PAPIER ONDULE**
[72] DING, JIAOPING, CN
[71] KRAFTPACK (HUBEI) INDUSTRIAL CO., LTD., CN
[22] 2023-04-04
[41] 2023-12-27
[30] CN (2022107323840) 2022-06-27

[21] **3,195,061**
[13] A1

[51] **Int.Cl. B60K 1/04 (2019.01) B60L 50/64 (2019.01) B65F 3/00 (2006.01)**
[25] EN
[54] **STEPS AND MOUNTING FOR UNDERSLUNG BATTERY PACK**
[54] **MARCHES ET MONTAGE POUR UN BLOC-BATTERIE SURBAISSE**
[72] MURPHY, MITCHELL, US
[72] UBACHS, MATHEW, US
[72] WOLF, RYAN, US
[72] BRANSON, JON, US
[71] OSHKOSH CORPORATION, US
[22] 2023-04-04
[41] 2023-12-28
[30] US (63/356,084) 2022-06-28
[30] US (18/171,111) 2023-02-17

**Demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023**

[21] **3,197,445**
[13] A1

[51] **Int.Cl. A01C 7/06 (2006.01) A01B 33/00 (2006.01) A01C 7/18 (2006.01)**
[25] EN
[54] **CONVERTIBLE TWO RANK AGRICULTURAL IMPLEMENT**
[54] **MACHINE AGRICOLE CONVERTIBLE A DEUX RANGS**
[72] EKHE, SANDEEP, IN
[72] AYYALASOMAYAJULA, VIJAY BHASKAR SHASHIDHAR, IN
[71] DEERE & COMPANY, US
[22] 2023-04-18
[41] 2023-12-30
[30] US (17/854,288) 2022-06-30

[21] **3,197,541**
[13] A1

[51] **Int.Cl. E06B 3/58 (2006.01) E04B 2/82 (2006.01) E04F 11/18 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR ADJUSTING THE ALIGNMENT OF A FLAT PANEL**
[54] **SYSTEME ET METHODE DE REGLAGE DE L~ALIGNEMENT D~UN ECRAN PLAT**
[72] NOBLE, ANGUS, GB
[71] PURE VISTA LTD., GB
[22] 2023-04-20
[41] 2023-12-24
[30] GB (GB2209294.4) 2022-06-24

[21] **3,197,596**
[13] A1

[51] **Int.Cl. H02H 3/12 (2006.01) H02H 3/06 (2006.01) H02H 3/20 (2006.01) H02H 3/32 (2006.01)**
[25] EN
[54] **INPUT OVERVOLTAGE PROTECTION**
[54] **PROTECTION CONTRE LES SURTENSIONS D~ENTREE**
[72] LANCASTER, ANDREW, US
[72] TEWARI, DIPANKAR L., US
[71] ITRON, INC., US
[22] 2023-04-20
[41] 2023-12-29
[30] US (17/853049) 2022-06-29

[21] **3,199,105**
[13] A1

[51] **Int.Cl. G06Q 30/0601 (2023.01) G06Q 20/02 (2012.01) G06Q 20/12 (2012.01) G06Q 20/38 (2012.01) G06Q 10/0631 (2023.01)**
[25] EN
[54] **DYNAMIC ALLOCATION OF ELECTRONIC WORKFLOWS FOR ELECTRONIC SESSIONS**
[54] **AFFECTATION DYNAMIQUE DE FLUX DE TRAVAIL ELECTRONIQUES POUR SEANCES PAR VOIE ELECTRONIQUE**
[72] HO, DENNIS, CA
[72] MEUNIER, DEVON, CA
[71] SHOPIFY INC., CA
[22] 2023-05-09
[41] 2023-12-30
[30] US (17/855,027) 2022-06-30

[21] **3,199,122**
[13] A1

[51] **Int.Cl. G06T 19/00 (2011.01) G06F 3/04815 (2022.01) G06F 3/04845 (2022.01)**
[25] EN
[54] **OBJECT MODELING BASED ON PROPERTIES AND IMAGES OF AN OBJECT**
[54] **MODELISATION D~OBJETS BASEE SUR LES PROPRIETES ET LES IMAGES D~UN OBJET**
[72] FAVALE, RYAN JAMES, US
[72] CLARK, ERIN FREDERICK, US
[72] BARNARD, JOSEPH JON, US
[72] AUSTIN, BRANDON SCOTT, US
[72] HARLOW, PHILIP ASHTON, US
[72] ZENG, JAY, US
[72] BLAZIER, JEFFREY S., US
[71] LOWE'S COMPANIES, INC., US
[22] 2023-05-09
[41] 2023-12-24
[30] US (17/849,533) 2022-06-24

[21] **3,199,127**
[13] A1

[51] **Int.Cl. G06T 19/20 (2011.01) G06T 19/00 (2011.01)**
[25] EN
[54] **RESET MODELING BASED ON RESET AND OBJECT PROPERTIES**
[54] **MODELISATION DE LA REINITIALISATION BASEE SUR LES PROPRIETES DE LA REINITIALISATION ET DE L~OBJET**
[72] FAVALE, RYAN JAMES, US
[72] CLARK, ERIN FREDERICK, US
[72] BARNARD, JOSEPH JON, US
[72] AUSTIN, BRANDON SCOTT, US
[72] HARLOW, PHILIP ASHTON, US
[72] ZENG, JAY, US
[72] BLAZIER, JEFFREY S., US
[71] LOWE'S COMPANIES, INC., US
[22] 2023-05-09
[41] 2023-12-24
[30] US (17/849,540) 2022-06-24

[21] **3,199,132**
[13] A1

[51] **Int.Cl. G06T 19/00 (2011.01) G06F 3/04815 (2022.01) G06F 3/04845 (2022.01)**
[25] EN
[54] **SIMULATED ENVIRONMENT FOR PRESENTING VIRTUAL OBJECTS AND VIRTUAL RESETS**
[54] **ENVIRONNEMENT DE SIMULATION POUR LA PRESENTATION D~OBJETS VIRTUELS ET REINITIALISATIONS VIRTUELLES**
[72] FAVALE, RYAN JAMES, US
[72] CLARK, ERIN FREDERICK, US
[72] BARNARD, JOSEPH JON, US
[72] AUSTIN, BRANDON SCOTT, US
[72] HARLOW, PHILIP ASHTON, US
[72] ZENG, JAY, US
[72] BLAZIER, JEFFREY S., US
[71] LOWE'S COMPANIES, INC., US
[22] 2023-05-09
[41] 2023-12-24
[30] US (17/849,544) 2022-06-24

**Canadian Applications Open to Public Inspection
December 24, 2023 to December 30, 2023**

[21] **3,200,371**
[13] A1

[51] **Int.Cl. A01D 34/00 (2006.01) A01D 34/84 (2006.01) G05D 1/43 (2024.01) G05D 1/648 (2024.01)**

[25] EN
[54] **METHOD FOR ESTABLISHING BOUNDARY OF WORKING AREA OF LAWNMOWER, METHOD FOR MOWING AND LAWNMOWER**
[54] **METHODE D~ETABLISSEMENT DES LIMITES DE L~ESPACE DE TRAVAIL D~UNE TONDEUSE A GAZON, METHODE DE TONTE ET TONDEUSE A GAZON**

[72] LI, CHUNHONG, CN
[72] LIN, DEGAN, CN
[71] WILLAND (BEIJING) TECHNOLOGY CO., LTD., CN
[22] 2023-05-24
[41] 2023-12-30
[30] CN (202210765061.1) 2022-06-30
[30] CN (202210765062.6) 2022-06-30

[21] **3,201,307**
[13] A1

[51] **Int.Cl. G06V 30/41 (2022.01) G06N 20/20 (2019.01) G06F 40/279 (2020.01) G06V 10/774 (2022.01) G06V 10/82 (2022.01) G06V 30/413 (2022.01) G06V 30/414 (2022.01) G06N 3/09 (2023.01) G06N 3/02 (2006.01)**

[25] EN
[54] **GENERALIZABLE KEY-VALUE SET EXTRACTION FROM DOCUMENTS USING MACHINE LEARNING MODELS**
[54] **EXTRACTION GENERALISABLE D~ENSEMBLES VALEUR-CLE A PARTIR DE DOCUMENTS A L~AIDE DE MODELES D~APPRENTISSAGE AUTOMATIQUE**

[72] SEKHAR, AMOGHA, US
[72] VANOEVEREN, ERIC, US
[72] MOHAPATRA, DEEPANKAR, US
[72] RIMCHALA, JOY, US
[72] RAJENDRAN, PRIYADARSHINI, US
[71] INTUIT INC., US
[22] 2023-05-31
[41] 2023-12-30
[30] US (17/855,469) 2022-06-30

[21] **3,201,824**
[13] A1

[51] **Int.Cl. B65D 55/02 (2006.01) A61J 1/18 (2006.01) B65D 41/34 (2006.01) B65D 50/00 (2006.01)**

[25] EN
[54] **PACKAGE WITH CLOSURE**
[54] **EMBALLAGE AVEC FERMETURE**
[72] OWEN, ROBERT H., US
[71] CLOSURE SYSTEMS INTERNATIONAL INC., US
[22] 2023-06-05
[41] 2023-12-24
[30] US (17/848,543) 2022-06-24

[21] **3,201,854**
[13] A1

[51] **Int.Cl. F01D 17/16 (2006.01) F02C 7/057 (2006.01) F02C 9/22 (2006.01)**

[25] EN
[54] **VARIABLE GUIDE VANE SYSTEM**
[54] **SYSTEME POUR AUBE DIRECTRICE VARIABLE**

[72] MENHEERE, DAVID, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-06-05
[41] 2023-12-29
[30] US (17/809,694) 2022-06-29

[21] **3,202,004**
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01) G16H 20/10 (2018.01) G16H 40/60 (2018.01) A61M 16/12 (2006.01)**

[25] FR
[54] **DISPLAYING NO DOSE BY MEANS OF AN NO DELIVERY DEVICE IN PAUSE MODE**
[54] **AFFICHAGE DE LA DOSE DE NO PAR UN DISPOSITIF DE FOURNITURE DE NO EN PHASE DE PAUSE**

[72] BLANDIN, YANN, FR
[72] SCHMITT, MARY, FR
[72] PROUVEZ, NATHAN, FR
[72] MARCHAL, FREDERIC, FR
[71] INOSYSTEMS, FR
[22] 2023-06-06
[41] 2023-12-24
[30] FR (2206335) 2022-06-24

[21] **3,202,220**
[13] A1

[25] EN
[54] **BEARING-SUPPORTED SHAFT ASSEMBLY**
[54] **ENSEMBLE ARBRE SUR PALIER**
[72] RADON, JOANNA, PL
[72] REJMAN, MARCIN, PL
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-06-06
[41] 2023-12-27
[30] US (17/809,058) 2022-06-27

[21] **3,202,247**
[13] A1

[51] **Int.Cl. A61B 5/01 (2006.01) A43B 3/00 (2022.01) A61B 5/00 (2006.01) A61B 10/00 (2006.01)**

[25] EN
[54] **PROCESSES FOR USING TEMPERATURE MEASUREMENTS TO DETERMINE HEALTH METRICS**
[54] **METHODES POUR L~UTILISATION DES MESURES DE TEMPERATURE POUR ETABLIR DES INDICATEURS DE SANTE**

[72] EVERETT, JULIA BREANNE, CA
[72] STEVENS, TRAVIS MICHAEL, CA
[71] ORPYX MEDICAL TECHNOLOGIES INC., CA
[22] 2023-06-07
[41] 2023-12-30
[30] US (17/854,004) 2022-06-30

[21] **3,202,316**
[13] A1

[51] **Int.Cl. F41B 11/89 (2013.01) F41B 11/50 (2013.01) A63H 33/18 (2006.01) F42B 27/08 (2006.01)**

[25] EN
[54] **MULTI-TUBE GRENADE FOR A TOY LAUNCHER**
[54] **GRENADE MULTITUBE POUR DISPOSITIF DE LANCEMENT DE JOUETS**

[72] CHANG, YUNG-HUI, TW
[71] ACETK CORP LTD., TW
[22] 2023-06-08
[41] 2023-12-24
[30] US (63/355,155) 2022-06-24

**Demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023**

[21] **3,202,482**
[13] A1

[51] **Int.Cl. B60K 17/02 (2006.01) B60K 17/04 (2006.01) B60K 17/22 (2006.01) B60K 17/344 (2006.01) B60K 20/00 (2006.01) F16H 57/02 (2012.01) F16H 59/68 (2006.01) F16H 61/66 (2006.01)**

[25] EN
[54] **VEHICLE HAVING A CONTINUOUSLY VARIABLE TRANSMISSION**

[54] **VEHICULE COMPORTANT UNE TRANSMISSION VARIABLE DE FACON CONTINUE**

[72] PARD, JEAN-SEBASTIEN, CA
[72] LEPITRE, LOUIS, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-06-08
[41] 2023-12-30
[30] US (63/357,558) 2022-06-30

[21] **3,202,484**
[13] A1

[51] **Int.Cl. F16D 21/00 (2006.01) B60K 23/00 (2006.01) B60W 10/02 (2006.01) B60W 10/20 (2006.01) F16D 23/00 (2006.01)**

[25] EN
[54] **METHOD FOR OPERATING A VEHICLE HAVING A DUAL-CLUTCH TRANSMISSION**

[54] **METHODE DE FONCTIONNEMENT D-UN VEHICULE COMPRENANT UNE BOITE DE VITESSES A DOUBLE EMBRAYAGE**

[72] PARD, JEAN-SEBASTIEN, CA
[72] GIROUX, FRANCOIS, CA
[72] AUGER, GUILLAUME, CA
[72] THIBAUT, ALEXANDRE, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-06-08
[41] 2023-12-30
[30] US (63/357,559) 2022-06-30

[21] **3,202,489**
[13] A1

[51] **Int.Cl. B60K 17/00 (2006.01) B60K 6/543 (2007.10) F16H 61/66 (2006.01)**

[25] EN
[54] **VEHICLE HAVING A CONTINUOUSLY VARIABLE TRANSMISSION**

[54] **VEHICULE COMPORTANT UNE TRANSMISSION VARIABLE DE FACON CONTINUE**

[72] LAMPRON, FRANCOIS, CA
[72] AUGER, GUILLAUME, CA
[72] PARD, JEAN-SEBASTIEN, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-06-08
[41] 2023-12-30
[30] US (63357561) 2022-06-30

[21] **3,202,534**
[13] A1

[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/50 (2020.01) A24F 40/90 (2020.01)**

[25] EN
[54] **ELECTRONIC VAPORIZATION DEVICE AND HOLDER ASSEMBLY**

[54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE ET ENSEMBLE SUPPORT**

[72] ZHOU, JIANGUANG, CN
[71] SHENZHEN VERDEWELL TECHNOLOGY LIMITED, CN
[22] 2023-06-08
[41] 2023-12-27
[30] CN (202221624595.4) 2022-06-27

[21] **3,202,726**
[13] A1

[51] **Int.Cl. F16L 39/00 (2006.01) B29C 65/34 (2006.01) F16L 9/18 (2006.01) F16L 21/06 (2006.01) F16L 47/03 (2006.01) F16L 59/22 (2006.01)**

[25] EN
[54] **WELDABLE HALF-SHELLS**

[54] **DEMI-COQUILLES SOUDABLES**

[72] PETRY, DIRK, CH
[72] BREYER, MARKUS, DE
[71] GEORG FISCHER ROHRLEITUNGSSYSTEME AG, CH
[22] 2023-06-09
[41] 2023-12-24
[30] EP (22 180 897.5) 2022-06-24

[21] **3,203,032**
[13] A1

[25] EN
[54] **LOW CROSS FEED MARINE SENSORS**

[54] **CAPTEURS MARINS A FAIBLE INTERCOMMUNICATION**

[72] FERNIHOUGH, ROBERT ALEXIS PEREGRIN, US
[71] PGS GEOPHYSICAL AS, NO
[22] 2023-06-13
[41] 2023-12-28
[30] US (63/356,095) 2022-06-28
[30] US (18/196,789) 2023-05-12

[21] **3,203,036**
[13] A1

[51] **Int.Cl. C11D 1/825 (2006.01) C11D 1/66 (2006.01) C11D 1/72 (2006.01) C11D 3/50 (2006.01)**

[25] EN
[54] **ALKALINE HARD SURFACE CLEANING COMPOSITION**

[54] **SOLUTION ALCALINE DE NETTOYAGE DE REVETEMENT DUR**

[72] HERMIE, MARINA JOZEFA, BE
[72] DELEERSNYDER, GEERT ANDRE, BE
[72] TINLIN, JAMES ROBERT, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2023-06-13
[41] 2023-12-27
[30] EP (22181222.5) 2022-06-27

**Canadian Applications Open to Public Inspection
December 24, 2023 to December 30, 2023**

[21] **3,203,039**
[13] A1

[51] **Int.Cl. C11D 1/825 (2006.01) C11B 5/00 (2006.01) C11B 9/00 (2006.01) C11D 1/66 (2006.01) C11D 1/72 (2006.01) C11D 3/50 (2006.01)**

[25] EN

[54] **A PROCESS FOR MAKING A COMPOSITION COMPRISING ALKYL POLYGLYCOSIDE AND PERFUME**

[54] **PROCEDE DE FABRICATION D~UNE COMPOSITION COMPRENANT UN ALKYPOLYGLYCOSIDE ET UN PARFUM**

[72] BODET, JEAN FRANCOIS, BE
[72] DELEERSNYDER, GEERT ANDRE, BE
[72] JEAN, CINDY, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2023-06-13
[41] 2023-12-27
[30] EP (22181218.3) 2022-06-27

[21] **3,203,045**
[13] A1

[51] **Int.Cl. C11D 1/825 (2006.01) C11D 1/66 (2006.01) C11D 1/72 (2006.01) C11D 3/50 (2006.01)**

[25] EN

[54] **ACIDIC HARD SURFACE CLEANING COMPOSITION**

[54] **SOLUTION ACIDE DE NETTOYAGE DE REVETEMENT DUR**

[72] BARANYI, BLANKA, BE
[72] MOGGIA, GIULIA, BE
[72] TASTENHOYE, KIM, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2023-06-13
[41] 2023-12-27
[30] EP (22181221.7) 2022-06-27

[21] **3,203,385**
[13] A1

[51] **Int.Cl. G16H 50/30 (2018.01) G16H 20/30 (2018.01) A61B 5/11 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR QUANTIFYING AN INJURY RECOVERY STATE**

[54] **SYSTEME ET METHODE DE QUANTIFICATION DE L~ETAT DE RECUPERATION D~UNE BLESSURE**

[72] BLADES, SAMUEL CARL WILLIAM, CA
[72] MARRIOTT, HUNTER BROOKE, CA
[71] ORPYX MEDICAL TECHNOLOGIES INC., CA
[22] 2023-06-15
[41] 2023-12-29
[30] US (63/356,951) 2022-06-29

[21] **3,203,910**
[13] A1

[51] **Int.Cl. H02K 41/02 (2006.01)**

[25] EN

[54] **LINEAR MOTOR**

[54] **MOTEUR LINEAIRE**

[72] AKIYAMA, TERUKAZU, JP
[72] IMAMORI, SATOSHI, JP
[71] FUJI ELECTRIC CO., LTD., JP
[22] 2023-06-19
[41] 2023-12-28
[30] JP (2022-103723) 2022-06-28

[21] **3,203,951**
[13] A1

[51] **Int.Cl. G06Q 30/02 (2023.01) G06Q 40/03 (2023.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR FACILITATING MERCHANT SELF SERVICE WITH RESPECT TO FINANCING AND CONTENT SUPPORT FOR MARKETING EVENTS**

[54] **METHODE ET APPAREIL POUR FACILITER LE LIBRE-SERVICE DES COMMERCANTS EN CE QUI CONCERNE LE FINANCEMENT ET LE SOUTIEN DU CONTENU POUR LES EVENEMENTS DE MARKETING**

[72] HALPIN, DONOVAN, US
[72] KENDRICK, JESSE, US
[72] HARRIGAN, JULIA, US
[72] KAUFMAN, DANIEL E., US
[72] KUMAR, NITESH, US
[71] AFFIRM, INC., US
[22] 2023-06-19
[41] 2023-12-28
[30] US (17/851,146) 2022-06-28

[21] **3,203,963**
[13] A1

[51] **Int.Cl. A42B 1/048 (2021.01) A41D 1/02 (2006.01)**

[25] EN

[54] **JACKET WITH DETACHABLE HOOD**

[54] **VESTE AVEC CAPUCHON AMOVIBLE**

[72] MARTIN, NICOLAS, US
[72] WILLIS, REBECCA, US
[71] KUIU, LLC, US
[22] 2023-06-19
[41] 2023-12-30
[30] US (17/854,708) 2022-06-30

[21] **3,204,001**
[13] A1

[25] EN

[54] **ROTATABLY DRIVEN EXHAUST MIXER**

[54] **MELANGEUR D~ECHAPPEMENT ENTRAINE EN ROTATION**

[72] LABRECQUE, MICHEL, CA
[72] NGUYEN, KEVIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-06-19
[41] 2023-12-27
[30] US (17/809,033) 2022-06-27

Demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023

[21] **3,204,056**
[13] A1

[51] **Int.Cl. G06V 20/40 (2022.01) G06Q 10/08 (2023.01) G06F 3/0481 (2022.01) G06Q 50/40 (2024.01)**

[25] EN

[54] **MACHINE VISION SYSTEM FOR ADVANCEMENT OF TRAILER LOADING/UNLOADING VISIBILITY**

[54] **SYSTEME DE VISION PAR ORDINATEUR POUR AMELIORER LA VISIBILITE DU CHARGEMENT/DECHARGEMENT D~UNE REMORQUE**

[72] CHOI, YOUNGJUN, US

[72] LIN, PO-NIEN, US

[72] LEE, HYUNKI, US

[71] UNITED PARCEL SERVICE OF AMERICA, INC., US

[22] 2023-06-20

[41] 2023-12-29

[30] US (17/853.748) 2022-06-29

[21] **3,204,086**
[13] A1

[51] **Int.Cl. F24F 11/88 (2018.01) F24H 15/375 (2022.01) F24D 19/10 (2006.01) F25B 49/02 (2006.01)**

[25] EN

[54] **ELECTRICAL INTERFACE FOR HEAT PUMP**

[54] **INTERFACE ELECTRIQUE POUR THERMOPOMPE**

[72] INGEM, PAUL, US

[72] NGUYEN, DUNG DUC, US

[72] DUNN, JOHN, US

[71] DANDELION ENERGY, INC., US

[22] 2023-06-20

[41] 2023-12-28

[30] US (17/852,085) 2022-06-28

[21] **3,204,148**
[13] A1

[51] **Int.Cl. B23K 37/00 (2006.01) B23K 9/32 (2006.01)**

[25] EN

[54] **WELD CABLE GUIDE**

[54] **GUIDE POUR CABLE DE SOUDAGE**

[72] VANDECORPUT, LOGAN MATTHEW, US

[72] JOCHMAN, NATHAN JOE, US

[71] ILLINOIS TOOL WORKS INC., US

[22] 2023-06-20

[41] 2023-12-30

[30] US (17/854,900) 2022-06-30

[21] **3,204,221**
[13] A1

[51] **Int.Cl. A61G 7/05 (2006.01) A47C 17/86 (2006.01)**

[25] EN

[54] **PATIENT SUPPORT APPARATUS WITH BARRIER**

[54] **APPAREIL DE SUPPORT DE PATIENT AVEC BARRIERE**

[72] SWEENEY, CHRISTOPHER RYAN, US

[72] CUTLER, MATTHEW A., US

[71] STRYKER CORPORATION, US

[22] 2023-06-21

[41] 2023-12-28

[30] US (63/356,083) 2022-06-28

[30] US (63/356,695) 2022-06-29

[21] **3,204,297**
[13] A1

[25] EN

[54] **AN INTAKE ASSEMBLY**

[54] **ENSEMBLE D~ADMISSION**

[72] ZHU, FRANK, GB

[72] BROWNE, KEVIN, GB

[72] GRIFFIN, JOHN, GB

[71] JCB RESEARCH, GB

[22] 2023-06-21

[41] 2023-12-24

[30] GB (GB2209322.3) 2022-06-24

[30] GB (GB2209323.1) 2022-06-24

[21] **3,204,365**
[13] A1

[51] **Int.Cl. B25F 5/00 (2006.01)**

[25] EN

[54] **LOW VOLTAGE PROTECTIVE FEATURES IN POWER TOOLS**

[54] **MECANISMES DE PROTECTION CONTRE LA BASSE TENSION DANS LES OUTILS ELECTRIQUES**

[72] RENNER, JEREMY W., US

[72] HIDLE, FREDERICK B., US

[71] TECHTRONIC CORDLESS GP, US

[22] 2023-06-22

[41] 2023-12-29

[30] US (17/853,473) 2022-06-29

[21] **3,204,379**
[13] A1

[51] **Int.Cl. A43B 9/00 (2006.01) A43B 3/24 (2006.01) A43B 13/28 (2006.01)**

[25] EN

[54] **MODULAR SHOE**

[54] **CHAUSSURE MODULAIRE**

[72] CASTEEL, JOHN, US

[72] CASTEEL, KELLI, US

[71] HEEL EVERYTHING LLC, US

[22] 2023-06-22

[41] 2023-12-27

[30] US (63/355.738) 2022-06-27

[21] **3,204,450**
[13] A1

[51] **Int.Cl. B23P 9/02 (2006.01) B29C 59/04 (2006.01) B29D 7/01 (2006.01) B44B 5/00 (2006.01) D06C 15/08 (2006.01) F16C 13/00 (2006.01)**

[25] EN

[54] **KNURLED CALENDAR ROLL, METHOD AND APPARATUS FOR FORMING THE KNURLED CALENDAR ROLL AND GEOMEMBRANE PRODUCED BY THE KNURLED CALENDAR ROLL**

[54] **CYLINDRE DE CALANDRE MOLETE, METHODE ET APPAREIL POUR FORMER LE CYLINDRE DE CALANDRE MOLETE ET GEOMEMBRANE PRODUITE PAR LE CYLINDRE DE CALANDRE MOLETE**

[72] NIEDERMOSER, GUNTHER, US

[71] AGRU AMERICA, INC., US

[22] 2023-06-21

[41] 2023-12-27

[30] US (17/850,872) 2022-06-27

[21] **3,204,453**
[13] A1

[51] **Int.Cl. F16M 3/00 (2006.01) B66C 1/22 (2006.01) B66C 1/66 (2006.01)**

[25] EN

[54] **POWER SYSTEMS AND LIFT STRUCTURES FOR POWER SYSTEMS**

[54] **SYSTEMES D~ALIMENTATION ET STRUCTURES ELEVATRICES POUR SYSTEMES D~ALIMENTATION**

[72] JOCHMAN, NATHAN JOE, US

[71] ILLINOIS TOOL WORKS INC., US

[22] 2023-06-21

[41] 2023-12-30

[30] US (17/854,939) 2022-06-30

**Canadian Applications Open to Public Inspection
December 24, 2023 to December 30, 2023**

[21] **3,204,454**
[13] A1

[51] **Int.Cl. B23K 37/00 (2006.01) F01N 13/08 (2010.01) B23K 9/00 (2006.01)**
[25] EN
[54] **POWER SYSTEMS WITH A REAR SURFACE EXHAUST**
[54] **SYSTEMES D~ALIMENTATION AVEC ECHAPPEMENT DE SURFACE ARRIERE**
[72] JOCHMAN, NATHAN JOE, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2023-06-21
[41] 2023-12-30
[30] US (17/854,916) 2022-06-30

[21] **3,204,505**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING TRACE CONTAMINANTS IN GAS MATRIX USING INTEGRATED CAVITY OUTPUT SPECTROSCOPY**
[54] **SYSTEMES ET METHODES DE MESURE DE CONTAMINANTS A L~ETAT DE TRACES DANS UNE MATRICE GAZEUSE UTILISANT LA SPECTROSCOPIE INTEGREE AVEC SORTIE DE CAVITE**
[72] TANGUAY, FRANCOIS, CA
[72] LANHER, BERTRAND SIMON, US
[72] LEEN, JOHN BRIAN, US
[71] ABB SCHWEIZ AG, CH
[22] 2023-06-23
[41] 2023-12-24
[30] US (17/849,411) 2022-06-24

[21] **3,204,511**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING TRACE CONTAMINANTS IN GAS MATRIX USING INTEGRATED CAVITY OUTPUT SPECTROSCOPY**
[54] **SYSTEMES ET METHODES DE MESURE DE CONTAMINANTS A L~ETAT DE TRACES DANS UNE MATRICE GAZEUSE UTILISANT LA SPECTROSCOPIE INTEGREE AVEC SORTIE DE CAVITE**
[72] TANGUAY, FRANCOIS, CA
[72] OWEN, KYLE, US
[72] LEEN, JOHN BRIAN, US
[72] MEUNIER, AXEL, CA
[72] LANHER, BERTRAND SIMON, US
[71] ABB SCHWEIZ AG, CH
[22] 2023-06-23
[41] 2023-12-24
[30] US (17/849,395) 2022-06-24

[21] **3,204,513**
[13] A1

[25] EN
[54] **HEAT TRANSFER SYSTEM WITH IMPROVED EFFICIENCY FOR COMPOSITE PANEL PRODUCTION**
[54] **SYSTEME CALOPORTEUR A EFFICACITE AMELIOREE POUR LA PRODUCTION DE PANNEAUX COMPOSITES**
[72] WINTEROWD, JACK G., US
[72] SPENCER, MATT, US
[72] SUPUT, MARKO, US
[72] FISHER, KASEY, US
[71] CONTINUUS MATERIALS INTELLECTUAL PROPERTY, LLC, US
[22] 2023-06-23
[41] 2023-12-30
[30] US (17/855610) 2022-06-30

[21] **3,204,521**
[13] A1

[25] EN
[54] **AERIAL TRANSPORTATION INSTALLATION TERMINAL AND METHOD FOR PERFORMING MAINTENANCE OF A TERMINAL**
[54] **TERMINAL D~INSTALLATION DE TRANSPORT AERIEN ET METHODE D~ENTRETIEN D~UN TERMINAL**
[72] MANFREDI, REMI, FR
[72] DARIER, GUILLAUME, FR
[71] POMA, FR
[22] 2023-06-23
[41] 2023-12-27
[30] FR (2206398) 2022-06-27

[21] **3,204,529**
[13] A1

[25] EN
[54] **A METHOD FOR CALIBRATING AN SSB RECEIVER**
[54] **METHODE D~ETALONNAGE D~UN RECEPTEUR A BANDE LATERALE UNIQUE (BLU)**
[72] SCHIDL, STEFAN, AT
[72] KRAPFENBAUER, MARKUS, AT
[71] KAPSCH TRAFFICCOM AG, AT
[22] 2023-06-22
[41] 2023-12-24
[30] EP (22 180 923.9) 2022-06-24

[21] **3,204,550**
[13] A1

[51] **Int.Cl. F01D 17/02 (2006.01) F01D 25/24 (2006.01) F02C 7/24 (2006.01) F02C 7/28 (2006.01)**
[25] EN
[54] **PROBE HEAT SHIELDING**
[54] **BOUCLIER THERMIQUE POUR SONDE**
[72] LEFEBVRE, GUY, CA
[72] BIERNAT, JACOB, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-06-22
[41] 2023-12-30
[30] US (17/809,952) 2022-06-30

Demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023

[21] **3,204,559**
[13] A1

[51] **Int.Cl. H02K 9/19 (2006.01) F02B 63/04 (2006.01)**
[25] EN
[54] **AIR INTAKE HEATER TREATMENT AND VENTILATION DU DISPOSITIF DE CHAUFFAGE A ADMISSION D~AIR**
[72] HUFNAGEL, KEVIN, US
[72] ROTHER, JEFF, US
[71] STEWART & STEVENSON LLC, US
[22] 2023-06-22
[41] 2023-12-30
[30] US (63/357220) 2022-06-30

[21] **3,204,560**
[13] A1

[51] **Int.Cl. C11D 7/54 (2006.01) C08K 5/098 (2006.01) C08K 5/3492 (2006.01) C08L 3/02 (2006.01) C08L 29/04 (2006.01) C08L 31/04 (2006.01) C08L 33/00 (2006.01) C08L 39/06 (2006.01) C08L 71/02 (2006.01) C11D 7/22 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING PROTONATED TRIAZACYCLIC COMPOUNDS AND MANGANESE(II) ACETATE, MANUFACTURING THEREOF, AND BLEACHING AND CLEANING AGENT COMPRISING SAME**
[54] **COMPOSITIONS COMPRENANT DES COMPOSES TRIAZACYCLIQUES PROTONES ET DE L~ACETATE DE MANGANESE(II), LEUR FABRICATION, ET AGENT DE BLANCHIMENT ET DE NETTOYAGE LES COMPRENANT**
[72] HAGE, RONALD, NL
[72] ROELOFSEN, YFRANKA, NL
[72] PREUSCHEN, JUDITH, DE
[72] LUDWIG, ROLF, DE
[72] KAUFMANN, PAUL, DE
[71] WEYLICHEM PERFORMANCE PRODUCTS GMBH, DE
[22] 2023-06-22
[41] 2023-12-24
[30] EP (22000171.3) 2022-06-24

[21] **3,204,567**
[13] A1

[51] **Int.Cl. F16M 1/00 (2006.01) F02F 7/00 (2006.01)**
[25] EN
[54] **POWER SYSTEMS AND ENCLOSURES FOR POWER SYSTEMS**
[54] **SYSTEMES D~ALIMENTATION ET ENCEINTES POUR SYSTEMES D~ALIMENTATION**
[72] JOCHMAN, NATHAN JOE, US
[72] VANDECORPUT, LOGAN MATTHEW, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2023-06-22
[41] 2023-12-30
[30] US (17/855,111) 2022-06-30

[21] **3,204,568**
[13] A1

[51] **Int.Cl. A01D 34/74 (2006.01) A01D 34/00 (2006.01) A01D 34/67 (2006.01)**
[25] EN
[54] **MOWER, PUSH POWER TOOL, AND CHASSIS**
[54] **TONDEUSE, OUTIL ELECTRIQUE A POUSSER ET CHASSIS**
[72] YAMAOKA, TOSHINARI, CN
[72] WANG, KANG, CN
[72] FU, HUIXING, CN
[72] WANG, HAO, CN
[72] XIA, ZHONGJI, CN
[71] NANJING CHERVON INDUSTRY CO., LTD., CN
[22] 2023-06-22
[41] 2023-12-29
[30] CN (202210784867.5) 2022-06-29
[30] CN (202221665203.9) 2022-06-29
[30] CN (202221715427.6) 2022-06-29
[30] CN (202210761105.3) 2022-06-29
[30] US (18/333,929) 2023-06-13

[21] **3,204,593**
[13] A1

[51] **Int.Cl. H02B 1/04 (2006.01) H04W 84/00 (2009.01) H01H 71/04 (2006.01) H01H 71/12 (2006.01) H02J 1/00 (2006.01)**
[25] EN
[54] **ELECTRICAL CIRCUIT BREAKER FOR PROTECTING ENERGY DISTRIBUTION IN AN INDUSTRIAL PLANT**
[54] **DISJONCTEUR ELECTRIQUE POUR LA PROTECTION DE LA DISTRIBUTION D~ENERGIE DANS UNE INSTALLATION INDUSTRIELLE**
[72] FEISST, HEIKO, DE
[71] MURRELEKTRONIK GMBH, DE
[22] 2023-06-22
[41] 2023-12-24
[30] EP (22181033.6) 2022-06-24

[21] **3,204,688**
[13] A1

[51] **Int.Cl. F04B 49/00 (2006.01) E21B 43/12 (2006.01) F04B 41/00 (2006.01) F04B 41/06 (2006.01)**
[25] EN
[54] **PUMP MANIFOLD WITH REDUNDANCY FOR GAS EXTRACTION SYSTEM**
[54] **COLLECTEUR DE POMPE AVEC REDONDANCE POUR SYSTEME DE DEGAZAGE**
[72] BOIVIN, ALEXANDRE, CA
[72] BURNETT, MARC, CA
[72] MICHAUD, DOMINIC, CA
[72] OWEN, KYLE, US
[72] MEUNIER, AXEL, CA
[72] LEEN, JOHN BRIAN, US
[71] ABB SCHWEIZ AG, CH
[22] 2023-06-23
[41] 2023-12-24
[30] US (17/849,400) 2022-06-24

**Canadian Applications Open to Public Inspection
December 24, 2023 to December 30, 2023**

[21] **3,204,693**
[13] A1

[25] EN
[54] **ENHANCEMENTS TO LASER SPECTROSCOPY MODELING BY MEASUREMENT OF HYDROCARBON FUEL GAS COMPOSITIONS**
[54] **AMELIORATIONS DE LA MODELISATION PAR SPECTROSCOPIE LASER GRACE A LA MESURE DE LA COMPOSITION DE COMBUSTIBLE D~HYDROCARBURES GAZEUX**
[72] DESBIENS, RAPHAEL, CA
[72] LEEN, JOHN BRIAN, US
[72] OWEN, KYLE, US
[71] ABB SCHWEIZ AG, CH
[22] 2023-06-23
[41] 2023-12-24
[30] US (17/849,360) 2022-06-24

[21] **3,204,726**
[13] A1

[25] EN
[54] **METHOD AND SYSTEM OF DETECTION OF DROPPED LOADS RESULTING FROM AN ELECTRICAL POWER QUALITY EVENT**
[54] **METHODE ET SYSTEME DE DETECTION DU LARGAGE DES CHARGES DECOULANT D~UN EVENEMENT LIE A LA QUALITE DE L~ALIMENTATION ELECTRIQUE**
[72] MCCOMAS, DONALD T., US
[72] COX, ROGER W., US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2023-06-23
[41] 2023-12-24
[30] US (63/355380) 2022-06-24

[21] **3,204,742**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR SERVICE LOCATION OPTIMIZATION**
[54] **SYSTEMES ET METHODES D~OPTIMISATION DU POINT DE SERVICE**
[72] PACHIGAR, ASIF GULAMBHAI, US
[72] SETHI, ANUJ, US
[72] SCHERZER, MATTHEW D., US
[72] WEINSTOCK, MICHAEL, US
[72] PEDI, MICHAEL C., US
[72] PUNDLIK, SUMEET, US
[72] GOYAL, KANIKA, US
[72] PANDA, DEBASIS, US
[72] ALVA, PRANAV, US
[72] RANA, SUMAN KUMAR, US
[71] MARS, INCORPORATED, US
[22] 2023-06-23
[41] 2023-12-27
[30] IN (202211036805) 2022-06-27
[30] US (17/933,544) 2022-09-20

[21] **3,204,766**
[13] A1

[51] **Int.Cl. B60L 58/24 (2019.01) B60H 1/22 (2006.01) F25B 9/00 (2006.01) F25D 11/00 (2006.01)**
[25] EN
[54] **INTEGRATED VEHICLE THERMAL MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION THERMIQUE INTEGRE POUR VEHICULE**
[72] HENSEL, MAURICE J., US
[71] BOLLINGER MOTORS INC., US
[22] 2023-06-23
[41] 2023-12-24
[30] US (63/355,224) 2022-06-24
[30] US (63/450,231) 2023-03-06

[21] **3,204,797**
[13] A1

[51] **Int.Cl. E05B 47/02 (2006.01) E05B 53/00 (2006.01) E05B 55/00 (2006.01) E05B 73/00 (2006.01)**
[25] EN
[54] **ROBOTIC DOOR LOCK**
[54] **DISPOSITIF DE VERROUILLAGE ROBOTIQUE**
[72] CRISTACHE, LUCIAN, US
[71] LUCOMM TECHNOLOGIES, INC., US
[22] 2023-06-23
[41] 2023-12-28
[30] US (17/851251) 2022-06-28

[21] **3,204,829**
[13] A1

[51] **Int.Cl. C12G 3/06 (2006.01) A23L 2/08 (2006.01) B01D 3/10 (2006.01) C12G 3/00 (2019.01)**
[25] EN
[54] **VACUUM DISTILLATION PROCESS FOR COCKTAILS**
[54] **PROCEDE DE DISTILLATION SOUS VIDE POUR COCKTAILS**
[72] KENNEDY, NICK, CA
[72] TURCO, JAMES, CA
[71] STILL CIVIL INC., CA
[22] 2023-06-23
[41] 2023-12-24
[30] US (63/355137) 2022-06-24

[21] **3,204,830**
[13] A1

[51] **Int.Cl. E05B 67/22 (2006.01) E05B 65/00 (2006.01)**
[25] EN
[54] **MULTICABLE LOCKOUT DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE MULTICABLE**
[72] ENGER, ANDREW N., US
[72] GLADKOV, GENE, US
[71] BRADY WORLDWIDE, INC., US
[22] 2023-06-23
[41] 2023-12-29
[30] US (63/356800) 2022-06-29

[21] **3,204,908**
[13] A1

[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CAPABILITY INDICATION IN A MODULAR WELDING SYSTEM**
[54] **SYSTEMES ET METHODES D~INDICATION DE LA CAPACITE DANS UN SYSTEME DE SOUDAGE MODULAIRE**
[72] MORTENSEN, DANIEL JACOB, US
[72] UITENBROEK, CONNOR, US
[72] STANZEL, KENNETH AUSTIN, US
[72] KRISHER, CALEB R., US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2023-06-22
[41] 2023-12-24
[30] US (63/355,139) 2022-06-24
[30] US (18/337,133) 2023-06-19

Demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023

[21] **3,204,946**
[13] A1

[51] **Int.Cl. E04B 1/41 (2006.01)**
[25] EN
[54] **PROTECTING CONNECTOR**
[54] **PROTECTION DE CONNECTEUR**
[72] MAHREHOLTZ, CHRISTOPH, DE
[71] POHLCON GMBH, DE
[22] 2023-06-26
[41] 2023-12-24
[30] US (17/848,527) 2022-06-24

[21] **3,204,952**
[13] A1

[51] **Int.Cl. A61K 39/215 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **CORONAVIRUS VACCINE**
[54] **VACCIN CONTRE LES CORONAVIRUS**
[72] MUIK, ALEXANDER, DE
[72] PORAN, ASAF, US
[72] SAHIN, UGUR, DE
[72] SWANSON, KENA ANNE, US
[72] YANG, QI, US
[72] CAI, HUI, US
[72] MODJARRAD, KAYVON, US
[71] BIONTECH SE, DE
[22] 2023-06-26
[41] 2023-12-26
[30] US (63/355,648) 2022-06-26
[30] US (63/357,628) 2022-06-30
[30] US (63/358,522) 2022-07-05
[30] US (63/394,571) 2022-08-02
[30] US (63/402,444) 2022-08-30
[30] US (63/417,680) 2022-10-19
[30] US (63/422,404) 2022-11-03
[30] US (63/425,290) 2022-11-14
[30] US (18/071,499) 2022-11-29
[30] US (63/486,953) 2023-02-24
[30] US (63/452,148) 2023-03-14
[30] US (63/465,521) 2023-05-10
[30] US (63/469,472) 2023-05-29

[21] **3,204,960**
[13] A1

[51] **Int.Cl. A47G 19/03 (2006.01)**
[25] EN
[54] **TABLEWARE AND METHOD OF MANUFACTURING THE SAME**
[54] **ARTICLES DE TABLE ET LEURS PROCEDES DE FABRICATION**
[72] CHANG, YU CHI, TW
[72] CHUANG, MING-YUEH, TW
[72] LIU, HAO-JUNG, TW
[72] HSU, YA-LAN, TW
[71] NATIONAL CHENG KUNG UNIVERSITY, CN
[22] 2023-06-27
[41] 2023-12-27
[30] TW (111123821) 2022-06-27

[21] **3,204,963**
[13] A1

[51] **Int.Cl. G06Q 50/40 (2024.01) B61B 1/02 (2006.01) B61L 27/00 (2022.01) G07B 15/02 (2011.01)**
[25] EN
[54] **BACKEND SYSTEM FOR A PASSENGER TRANSPORT SYSTEM**
[54] **SYSTEME DORSAL POUR UN SYSTEME DE TRANSPORT DE PASSAGERS**
[72] OELERT, KAI, DE
[72] KASCOVIC, MARIAN, SI
[71] SCHEIDT & BACHMANN GMBH, DE
[22] 2023-06-26
[41] 2023-12-30
[30] DE (10 2022 116 347.4) 2022-06-30

[21] **3,204,968**
[13] A1

[25] EN
[54] **NAVIGATION SYSTEM FOR PROVIDING RECOMMENDED ROUTES BASED ON DRIVER SKILL LEVEL**
[54] **SYSTEME DE NAVIGATION PERMETTANT DE RECOMMANDER DES ITINERAIRES EN FONCTION DU NIVEAU DE COMPETENCE DU CONDUCTEUR**
[72] WILLIAMS, AARON, US
[72] BRANNAN, JOSEPH ROBERT, US
[72] DONOVAN, JOHN, US
[72] HARVEY, BRIAN N., US
[71] TORONTO DOMINION BANK, CA
[22] 2023-06-28
[41] 2023-12-29
[30] US (17/889,973) 2022-08-17
[30] US (63/356,954) 2022-06-29

[21] **3,204,976**
[13] A1

[51] **Int.Cl. A01K 1/12 (2006.01)**
[25] EN
[54] **MILKING STALL WITH INDEXING LIFT RAIL**
[54] **STALLE DE TRAITE AVEC RAIL DE LEVAGE DE POSITIONNEMENT**
[72] VAN LOGTENSTEIN, MICHAEL WILLIAM, CA
[71] DAIRY LANE SYSTEMS LTD., CA
[22] 2023-06-28
[41] 2023-12-29
[30] US (63/356,593) 2022-06-29

**Canadian Applications Open to Public Inspection
December 24, 2023 to December 30, 2023**

[21] **3,204,987**
[13] A1

[51] **Int.Cl. B23K 37/00 (2006.01) B23K 9/32 (2006.01) B60T 1/02 (2006.01) B60T 7/08 (2006.01) B62B 11/00 (2006.01) B62M 27/00 (2006.01)**

[25] EN

[54] **WELDING SYSTEMS WITH A ROLLING SUPPORT BASE HAVING A BRAKE**

[54] **SYSTEMES DE SOUDAGE COMPRENANT UNE BASE DE SUPPORT ROULANT DOTEE D~UN FREIN**

[72] CHRISTOPHER, MARK RICHARD, US

[72] UITENBROEK, CONNOR DENIS, US

[72] SCHMITZ, ADAM RICHARD, US

[71] ILLINOIS TOOL WORKS INC., US

[22] 2023-06-26

[41] 2023-12-28

[30] US (17/851,707) 2022-06-28

[21] **3,204,995**
[13] A1

[51] **Int.Cl. B23K 9/12 (2006.01) B23K 35/00 (2006.01) B23K 37/02 (2006.01) B23Q 5/04 (2006.01) B65H 59/04 (2006.01)**

[25] EN

[54] **WIRE SPOOL ROTATION RESISTANCE ADJUSTERS AND WIRE FEED ASSEMBLIES HAVING ADJUSTABLE WIRE SPOOL ROTATION RESISTANCE**

[54] **DISPOSITIFS DE REGLAGE DE LA RESISTANCE A LA ROTATION DE L~ENROULEUR DE FIL ET ENSEMBLES D~ENTRAINEMENT DE FIL AYANT UNE RESISTANCE REGLABLE A LA ROTATION DE L~ENROULEUR DE FIL**

[72] CHRISTOPHER, MARK RICHARD, US

[72] DURIK, JUSTIN, US

[72] UITENBROEK, CONNOR DENIS, US

[71] ILLINOIS TOOL WORKS INC., US

[22] 2023-06-26

[41] 2023-12-30

[30] US (17/855,087) 2022-06-30

[21] **3,204,998**
[13] A1

[51] **Int.Cl. H02K 5/14 (2006.01)**

[25] EN

[54] **GENERATOR BRUSH ADAPTERS AND POWER SYSTEMS HAVING GENERATOR BRUSH ADAPTERS**

[54] **ADAPTATEURS DE BALAIS DE DYNAMO-GENERATRICE ET SYSTEMES D~ALIMENTATION COMPORTANT DES ADAPTATEURS DE BALAIS DE DYNAMO-GENERATRICE**

[72] JOCHMAN, NATHAN JOE, US

[71] ILLINOIS TOOL WORKS INC., US

[22] 2023-06-26

[41] 2023-12-30

[30] US (17/855,120) 2022-06-30

[21] **3,205,018**
[13] A1

[51] **Int.Cl. H01M 4/13 (2010.01) H01M 4/134 (2010.01) H01M 4/136 (2010.01) H01M 4/139 (2010.01) H01M 4/1395 (2010.01) H01M 4/1397 (2010.01) H01M 4/62 (2006.01) H01M 10/0525 (2010.01)**

[25] EN

[54] **METHOD FOR PRODUCING A SILICON-CARBON ANODE AND SILICON-CARBON ANODE OBTAINABLE BY THE METHOD**

[54] **METHODE DE PRODUCTION D~UNE ANODE SILICIUM-CARBONE ET ANODE SILICIUM-CARBONE OBTENUE PAR CETTE METHODE**

[72] HUBNER, GEROLD, DE

[72] HUSKER, JESSICA MARIA, DE

[72] YU, ZHIHANG, DE

[72] KUNZE, MIRIAM, DE

[71] VOLKSWAGEN AKTIENGESELLSCHAFT, DE

[22] 2023-06-28

[41] 2023-12-28

[30] DE (10 2022 206 474.7) 2022-06-28

[21] **3,205,033**
[13] A1

[25] EN

[54] **SYSTEM AND METHOD FOR TRAFFIC SIGNAGE INSPECTION THROUGH COLLECTION, PROCESSING AND TRANSMISSION OF DATA**

[54] **SYSTEME ET METHODE D~INSPECTION DE LA SIGNALISATION ROUTIERE PAR LA COLLECTE, LE TRAITEMENT ET LA TRANSMISSION DE DONNEES**

[72] TAL, ROYI, CA

[72] BAKONYI, THOMAS, CA

[72] IBANA, REDENTHOR, CA

[72] ARTMAN, OMRI, CA

[71] VISUAL DEFENCE INC., CA

[22] 2023-06-28

[41] 2023-12-30

[30] US (17/853,918) 2022-06-30

[21] **3,205,049**
[13] A1

[51] **Int.Cl. G02B 6/36 (2006.01) H01R 13/00 (2006.01)**

[25] EN

[54] **HYBRID FIBER CONNECTOR**

[54] **CONNECTEUR DE FIBRES HYBRIDES**

[72] GRANDIDGE, RYAN J., US

[72] SMITH, DANIEL M., US

[72] KNYCHALSKI, THOMAS, US

[71] ORTRONICS, INC., US

[22] 2023-06-28

[41] 2023-12-30

[30] US (63/357,187) 2022-06-30

Demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023

[21] **3,205,062**
 [13] A1

[51] **Int.Cl. H02J 1/02 (2006.01) H02H 9/00 (2006.01) H02J 1/06 (2006.01)**

[25] EN

[54] **PROTECTIVE DEVICE FOR PROTECTING AN ELECTRICAL TRACK-FIELD INFRASTRUCTURE, TRACK-FIELD POWER SUPPLY APPARATUS AND METHOD FOR LIMITING POTENTIAL SHIFTS IN AN ELECTRICAL TRACK-FIELD INFRASTRUCTURE**

[54] **DISPOSITIF DE PROTECTION D~UNE INFRASTRUCTURE ELECTRIQUE POUR ATHLETISME, APPAREIL D~ALIMENTATION ELECTRIQUE POUR ATHLETISME ET METHODE POUR LIMITER LES CHANGEMENTS EVENTUELS D~UNE INFRASTRUCTURE ELECTRIQUE POUR ATHLETISME**

[72] ZURFLUH, ERWIN ALEX, CH
 [72] SCHWEHN, OLIVER, DE
 [71] GTS DEUTSCHLAND GMBH, DE
 [22] 2023-06-28
 [41] 2023-12-30
 [30] DE (10 2022 206 731.2) 2022-06-30

[21] **3,205,140**
 [13] A1

[51] **Int.Cl. H02G 15/08 (2006.01) H01B 7/14 (2006.01) H01B 9/00 (2006.01) H01B 11/22 (2006.01) H02G 1/10 (2006.01) H02G 1/14 (2006.01)**

[25] EN

[54] **RIGID SUBMARINE POWER CABLE JOINT**

[54] **JOINT RIGIDE DE CABLE D~ALIMENTATION SOUS-MARIN**

[72] ERIKSSON, ERIK, SE
 [72] TYRBERG, ANDREAS, SE
 [72] ZETTERVALL, BJORN, SE
 [71] NKT HV CABLES AB, SE
 [22] 2023-06-29
 [41] 2023-12-30
 [30] EP (22182293.5) 2022-06-30

[21] **3,205,143**
 [13] A1

[51] **Int.Cl. B65B 25/14 (2006.01) B65B 11/02 (2006.01) B65D 57/00 (2006.01) B65D 71/06 (2006.01)**

[25] EN

[54] **A PACK OF TISSUE PAPER ROLLS AND METHOD**

[54] **PAQUET DE ROULEAUX DE PAPIER-MOUCHOIR ET METHODE**

[72] IRITI, MARCO, IT
 [71] SOFIDEL S.P.A., IT
 [22] 2023-06-28
 [41] 2023-12-28
 [30] IT (102022000013645) 2022-06-28

[21] **3,205,145**
 [13] A1

[51] **Int.Cl. B60R 3/00 (2006.01) B62D 25/22 (2006.01)**

[25] EN

[54] **SIDESTEP PLATFORM SERVO / ELECTRICAL REMOVAL MECHANISM**

[54] **PLATEFORME DIAGONALE DE SERVOMECHANISME/MECHANISME D~ENLEVEMENT ELECTRIQUE**

[72] PANTEA, SORIN O., CA
 [72] PORRETTA, CARLO, CA
 [72] JOHNSON, JEFFREY R., US
 [71] MAGNA EXTERIORS INC, CA
 [22] 2023-06-29
 [41] 2023-12-29
 [30] US (63/356,747) 2022-06-29

[21] **3,205,158**
 [13] A1

[51] **Int.Cl. H04L 43/0817 (2022.01) G09F 9/33 (2006.01)**

[25] EN

[54] **METHOD FOR PROVIDING A DISPLAY APPARATUS FOR COMPUTER NETWORKING AND TELEPHONY CABLES**

[54] **METHODE PERMETTANT DE FOURNIR UN APPAREIL D~AFFICHAGE POUR LES CABLES DE RESEAUTAGE INFORMATIQUE ET DE TELEPHONIE**

[72] YALAWARMATH, ANILKUMAR, IN
 [71] MITEL NETWORKS CORPORATION, CA
 [22] 2023-06-29
 [41] 2023-12-30
 [30] US (17/855504) 2022-06-30

[21] **3,205,161**
 [13] A1

[51] **Int.Cl. C12M 3/04 (2006.01) C12M 1/00 (2006.01) C12M 1/34 (2006.01) C12M 3/00 (2006.01) C12N 5/00 (2006.01) C12Q 1/00 (2006.01)**

[25] EN

[54] **FRACTAL CUES SUPPORT HIERARCHICAL MATURATION OF CELLS VIA CURVATURE-INDUCED PATTERNING**

[54] **INDICES FRACTALS SOUTENANT LA MATURATION HIERARCHIQUE DES CELLULES PAR L~INTERMEDIAIRE D~UNE STRUCTURATION INDUITE PAR LA COURBURE**

[72] KOROLJ, ANASTASIA, CA
 [72] RADISIC, MILICA, CA
 [72] KONVALINKA, ANA, CA
 [72] LIU, CHUAN, CA
 [71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
 [71] KOROLJ, ANASTASIA, CA
 [71] RADISIC, MILICA, CA
 [71] KONVALINKA, ANA, CA
 [71] LIU, CHUAN, CA
 [22] 2023-06-29
 [41] 2023-12-29
 [30] US (63/356,948) 2022-06-29
 [30] US (63/477,715) 2022-12-29

[21] **3,205,178**
 [13] A1

[25] FR

[54] **COMMUNICATION DEVICE COMPRISING A POWER AMP AND METHOD OF ACTIVATION**

[54] **DISPOSITIF DE COMMUNICATION COMPRENANT UN AMPLIFICATEUR DE PUISSANCE ET PROCEDE DE MISE EN OEUVRE**

[72] CONTAL, SERGE, FR
 [71] SAGEMCOM BROADBAND SAS, FR
 [22] 2023-06-29
 [41] 2023-12-30
 [30] FR (2206600) 2022-06-30

**Canadian Applications Open to Public Inspection
December 24, 2023 to December 30, 2023**

[21] **3,205,205**
[13] A1

[51] **Int.Cl. A61B 17/88 (2006.01) A61B 17/46 (2006.01) A61L 24/04 (2006.01) B28C 5/12 (2006.01) B28C 7/12 (2006.01) B28C 7/14 (2006.01) B28C 7/16 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR PREPARING BONE CEMENT PASTE**

[54] **DISPOSITIF ET METHODE DE PREPARATION D~UNE PATE DE CIMENT OSSEUX**

[72] VOGT, SEBASTIAN, DE

[72] KLUGE, THOMAS, DE

[71] HERAEUS MEDICAL GMBH, DE

[22] 2023-06-27

[41] 2023-12-30

[30] EP (22182103.6) 2022-06-30

[21] **3,205,206**
[13] A1

[51] **Int.Cl. H02M 7/04 (2006.01) H02M 1/14 (2006.01)**

[25] EN

[54] **THREE-PHASE RECTIFIER WITH RECONFIGURABLE MODULES FOR WIDE OUTPUT VOLTAGE RANGE**

[54] **REDRESSEUR TRIPHASE AVEC MODULES RECONFIGURABLES POUR UNE LARGE GAMME DE TENSION DE SORTIE**

[72] FOROUZESH, MOJTABA, CA

[72] LIU, YAN-FEI, CA

[71] QUEEN'S UNIVERSITY AT KINGSTON, CA

[22] 2023-06-27

[41] 2023-12-28

[30] US (63356474) 2022-06-28

[21] **3,205,221**
[13] A1

[51] **Int.Cl. H01J 49/36 (2006.01) H01J 49/06 (2006.01)**

[25] EN

[54] **GAS RETAINING ION GUIDE WITH AXIAL ACCELERATION**

[54] **GUIDE D~IONS DE RETENUE DE GAZ AVEC ACCELERATION AXIALE**

[72] STEINER, URS, CH

[72] MUNTEAN, FELICIAN, US

[71] BRUKER SWITZERLAND AG, CH

[22] 2023-06-30

[41] 2023-12-30

[30] US (17/854,940) 2022-06-30

[21] **3,205,238**
[13] A1

[25] EN

[54] **MAPPING NETWORK CONNECTIONS BY TCP/IP DATA AGGREGATION**

[54] **MISE EN CORRESPONDANCE DES CONNEXIONS RESEAU AU MOYEN DE L~AGREGATION DE DONNEES TCP/IP**

[72] ALI, RIYAAD, CA

[72] KHANDROS, MARAT, CA

[71] ROYAL BANK OF CANADA, CA

[22] 2023-06-30

[41] 2023-12-30

[30] US (63/357,402) 2022-06-30

[21] **3,205,251**
[13] A1

[51] **Int.Cl. E21B 43/119 (2006.01) E21B 43/118 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **SELF-ORIENTING PERFORATING GUN**

[54] **PERFORATEUR A ORIENTATION AUTOMATIQUE**

[72] KNIGHT, BENJAMIN VASCAL, US

[72] KASH, JAMES EDWARD, US

[72] WARD, RYAN, US

[72] AUER, BRIAN, US

[72] LEE, TIMMOTHY, US

[72] ZAKHARIA, STEVEN, US

[72] WELLS, JOE NOEL, US

[72] GREEN, ADAM, US

[72] GRIFFIN, DAVID, US

[72] MATTHEWS, CHRISTINA, US

[71] G&H DIVERSIFIED MANUFACTURING LP, US

[22] 2023-06-29

[41] 2023-12-29

[30] US (63/356,938) 2022-06-29

[30] US (63/407,047) 2022-09-15

[30] US (63/454,595) 2023-03-24

[21] **3,205,288**
[13] A1

[51] **Int.Cl. F21K 9/23 (2016.01) F21K 9/235 (2016.01) F21S 41/141 (2018.01) F21S 41/19 (2018.01) F21V 23/06 (2006.01)**

[25] EN

[54] **LIGHT BULB FOR VEHICLES**

[54] **AMPOULE POUR VEHICLES**

[72] DONG, XIN, US

[71] DONG, XIN, US

[22] 2023-06-30

[41] 2023-12-30

[30] US (17/855458) 2022-06-30

[21] **3,205,289**
[13] A1

[51] **Int.Cl. B60L 58/10 (2019.01) B60W 50/14 (2020.01) B60W 60/00 (2020.01) B60L 3/00 (2019.01) B60P 1/00 (2006.01)**

[25] EN

[54] **DELIVERY HAND OFF PROCEDURE WHEN ELECTRIC VEHICLE (EV) IS ABOUT TO LOSE POWER**

[54] **PROCEDURE DE TRANSFERT DE LIVRAISON LORSQUE LE VEHICULE ELECTRIQUE (VE) EST SUR LE POINT DE PERDRE DE L~ENERGIE**

[72] WILLIAMS, AARON, US

[72] BRANNAN, JOSEPH ROBERT, US

[72] DONOVAN, JOHN, US

[72] HARVEY, BRIAN N., US

[71] THE TORONTO-DOMINION BANK, CA

[22] 2023-06-27

[41] 2023-12-27

[30] US (63/355,894) 2022-06-27

[30] US (63/356,782) 2022-06-29

[30] US (17/864,269) 2022-07-13

[21] **3,205,310**
[13] A1

[51] **Int.Cl. B60L 58/00 (2019.01) B65G 67/02 (2006.01)**

[25] EN

[54] **COMPARTMENTALIZED ELECTRIC VEHICLE (EV) HAVING ATTACHED COMPARTMENTS WITH SEPARATE POWER SYSTEMS**

[54] **VEHICULE ELECTRIQUE (VE) COMPARTIMENTE AYANT DES COMPARTIMENTS ATTACHES AVEC DES BLOCS D~ALIMENTATION SEPARES**

[72] WILLIAMS, AARON, US

[72] BRANNAN, JOSEPH ROBERT, US

[72] DONOVAN, JOHN, US

[72] HARVEY, BRIAN N., US

[71] THE TORONTO-DOMINION BANK, CA

[22] 2023-06-27

[41] 2023-12-27

[30] US (63/355,894) 2022-06-27

[30] US (63/356,782) 2022-06-29

[30] US (17/864,261) 2022-07-13

Demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023

[21] **3,205,369**
[13] A1

[51] **Int.Cl. A01F 25/22 (2006.01) A01F 25/16 (2006.01)**
 [25] EN
 [54] **GRAIN BIN AERATION APPARATUS AND METHOD**
 [54] **APPAREIL D~AERATION DE CELLULE A GRAINS ET METHODE**
 [72] THIESSEN, LESTER, CA
 [71] 2376016 ALBERTA INC., CA
 [22] 2023-06-27
 [41] 2023-12-30
 [30] US (63/357,128) 2022-06-30

[21] **3,205,400**
[13] A1

[51] **Int.Cl. F24F 13/02 (2006.01) B32B 17/00 (2006.01) F16L 59/04 (2006.01)**
 [25] EN
 [54] **SELF-ADHERING DUCT INSULATION PRODUCT**
 [54] **PRODUIT D~ISOLATION DE CONDUITS AUTOADHESIF**
 [72] PETERS, RILEY, US
 [72] O'KANE, NICHOLAS, US
 [72] KULPRATHIPANJA, AMES, US
 [72] POWELL, JERRY KENNETH, US
 [71] JOHNS MANVILLE, US
 [22] 2023-06-28
 [41] 2023-12-30
 [30] US (17/854,079) 2022-06-30

[21] **3,205,402**
[13] A1

[51] **Int.Cl. C22C 21/02 (2006.01) C22C 21/08 (2006.01) C22C 21/10 (2006.01) C22C 21/18 (2006.01) C22F 1/04 (2006.01)**
 [25] EN
 [54] **6XXX ALLOY WITH HIGH RECYCLED MATERIAL CONTENT**
 [54] **ALLIAGE 6XXX A HAUTE TENEUR EN MATIERES RECYCLEES**
 [72] GERBERICK, WALTER, US
 [72] MATUSKA, ROBERT A., US
 [71] KAISER ALUMINUM FABRICATED PRODUCTS, LLC, US
 [22] 2023-06-28
 [41] 2023-12-28
 [30] US (63/356,070) 2022-06-28

[21] **3,205,413**
[13] A1

[51] **Int.Cl. B01D 53/22 (2006.01) B01D 53/02 (2006.01) B01D 53/44 (2006.01) B01D 53/62 (2006.01) C10L 3/10 (2006.01)**
 [25] EN
 [54] **PRODUCTION OF COMPRESSED NATURAL GAS FROM RAW BIOGAS USING GAS SEPARATION MEMBRANES INTEGRATED WITH COMPRESSOR TRAIN**
 [54] **PRODUCTION DE GAZ NATUREL COMPRI ME A PARTIR DE BIOGAZ BRUT A L~AIDE DE MEMBRANES DE SEPARATION DE GAZ INTEGREES AU TRAIN DE COMPRESSEURS**
 [72] MITARITEN, MICHAEL, US
 [71] AIR LIQUIDE ADVANCED TECHNOLOGIES U.S. LLC, US
 [22] 2023-06-28
 [41] 2023-12-29
 [30] US (17//853,770) 2022-06-29

[21] **3,205,421**
[13] A1

[51] **Int.Cl. G06T 11/60 (2006.01)**
 [25] EN
 [54] **SYSTEMS AND METHODS FOR CUSTOMIZING A MEDIA PROFILE PAGE**
 [54] **SYSTEMES ET METHODES POUR PERSONNALISER UNE PAGE DE PROFIL MEDIATIQUE**
 [72] PANCHAKSHARAI AH, VISHWAS SHARADANAGAR, IN
 [72] CHANNAPRAGADA, SRIKANTH, IN
 [72] SRIVASTAVA, POOJA, IN
 [72] NEERAKANI, HARSHA, IN
 [72] SINGH, GYANVEER, IN
 [72] YANG, CATO, US
 [72] HARB, REDA, US
 [71] ROVI GUIDES, INC., US
 [22] 2023-06-30
 [41] 2023-12-30
 [30] US (17/855,364) 2022-06-30

[21] **3,205,439**
[13] A1

[51] **Int.Cl. G05B 19/048 (2006.01) G05D 1/86 (2024.01)**
 [25] EN
 [54] **INCIDENT NOTIFICATION SYSTEM FOR A SEMI-AUTONOMOUS CLEANING DEVICE**
 [54] **SYSTEME DE NOTIFICATION DES INCIDENTS POUR DISPOSITIF DE NETTOYAGE SEMI-AUTONOME**
 [72] COCA, FLORIN, CA
 [72] RATH, RESMA, CA
 [72] MCLENNAN, DUNCAN CHAPMAN, CA
 [72] WONG, ORIANA, CA
 [72] MOLINA CABRERA, PABLO ROBERTO, CA
 [71] AVIDBOTS CORP, CA
 [22] 2023-06-29
 [41] 2023-12-29
 [30] US (63/367224) 2022-06-29

[21] **3,205,440**
[13] A1

[51] **Int.Cl. F24F 11/00 (2018.01) F24H 15/35 (2022.01) F04D 27/00 (2006.01) F24F 7/007 (2006.01)**
 [25] EN
 [54] **SYSTEM AND METHOD FOR AVOIDING STALL REGIONS USING MULTIPLE HVAC FANS**
 [54] **SYSTEME ET METHODE POUR EVITER LES ZONES DE DECROCHAGE EN UTILISANT PLUSIEURS VENTILATEURS CVC**
 [72] AGRAWAL RITESH BABULAL, IN
 [72] JAGTAP, VISHAL SHIVAJI, IN
 [72] NATH, NIVEDITA, IN
 [72] SEILER, ARON MARC, US
 [72] CASKEY, CURTIS WAYNE, US
 [71] JOHNSON CONTROLS TYCO IP HOLDINGS LLP, US
 [22] 2023-06-29
 [41] 2023-12-29
 [30] US (63/356589) 2022-06-29
 [30] US (18/215671) 2023-06-28

**Canadian Applications Open to Public Inspection
December 24, 2023 to December 30, 2023**

[21] **3,205,449**
[13] A1

[25] EN
[54] **FREQUENCY AGILE BAND
SELECT FILTER**
[54] **FILTRE DE SELECTION DE
BANDE AGILE EN FREQUENCE**
[72] NICHOLLS, CHARLES WILLIAM
TREMLETT, CA
[72] HAMDANE, WALID, TN
[71] NANOWAVE TECHNOLOGIES INC.,
CA
[22] 2023-06-29
[41] 2023-12-30
[30] US (63/357,265) 2022-06-30

[21] **3,205,470**
[13] A1

[51] **Int.Cl. B60P 3/41 (2006.01) B60P 1/54
(2006.01) B60P 1/64 (2006.01) B60P
3/28 (2006.01) B66F 11/04 (2006.01)**
[25] EN
[54] **SYSTEM FOR TRUCK-
MOUNTED/SELF-PROPELLED
AERIAL WORK PLATFORM**
[54] **SYSTEME POUR CHARIOT
ELEVATEUR A NACELLE
MONTEE SUR
CAMION/AUTOMOTRICE**
[72] POLONSKI, LENNY, US
[71] ALL ACCESS EQUIPMENT, INC., US
[22] 2023-06-29
[41] 2023-12-30
[30] US (63/357126) 2022-06-30
[30] US (63/424094) 2022-11-09

[21] **3,205,581**
[13] A1

[51] **Int.Cl. B65D 1/42 (2006.01) B65D 1/02
(2006.01) B65D 1/44 (2006.01)**
[25] EN
[54] **BOTTLE**
[54] **BOUTEILLE**
[72] USAMI, TETSURO, JP
[71] YOSHINO KOGYOSHO CO., LTD.,
JP
[22] 2023-06-27
[41] 2023-12-30
[30] JP (2022-105773) 2022-06-30

[21] **3,205,606**
[13] A1

[51] **Int.Cl. G06F 16/50 (2019.01) G06F
16/58 (2019.01) G06V 30/40 (2022.01)
G07C 11/00 (2006.01)**
[25] EN
[54] **COLLECTING IMAGES AND
METADATA OF FAKE
IDENTIFICATION DOCUMENTS
IN DATABASE AND PROVIDING
ACCESS THERETO BY OTHER
ENTITIES FOR VARIETY OF
APPLICATIONS**
[54] **COLLECTE D~IMAGES ET DE
METADONNEES DE FAUX
DOCUMENTS
D~IDENTIFICATION DANS UNE
BASE DE DONNEES ET ACCES A
CELLE-CI PAR D~AUTRES
ENTITES POUR DIVERSES
APPLICATIONS**
[72] BATHORY-FROTA, ALBERIO, CA
[72] MARUSIAK, JAMES EDWARD, CA
[72] HASSELBACK, TRISTAN NEAL, CA
[72] BRANDT, JOHN DAVID, CA
[71] SERVALL DATA SYSTEMS INC.,
CA
[22] 2023-06-27
[41] 2023-12-29
[30] US (63/356,721) 2022-06-29

[21] **3,205,645**
[13] A1

[51] **Int.Cl. B01J 20/26 (2006.01) B01D
53/02 (2006.01) B01D 53/52 (2006.01)**
[25] EN
[54] **CATALYSIS OF THE REACTION
BETWEEN HYDROGEN SULFIDE
SCAVENGERS AND HYDROGEN
SULFIDE USING TERTIARY
AMINES**
[54] **CATALYSE DE LA REACTION
ENTRE LES CAPTEURS DE
SULFURE D~HYDROGENE ET LE
SULFURE D~HYDROGENE A
L~AIDE D~AMINES TERTIAIRES**
[72] SODERBERG, JEFFREY, CA
[72] JOZANI, HOSSEIN, CA
[71] CANADIAN ENERGY SERVICES
L.P., CA
[22] 2023-06-27
[41] 2023-12-27
[30] US (63/355,835) 2022-06-27

[21] **3,210,205**
[13] A1

[51] **Int.Cl. A41D 13/11 (2006.01)**
[25] EN
[54] **ANTI FOGGING FACE SHIELD**
[54] **ECRAN FACIAL ANTIBUEE**
[72] UNKNOWN, XX
[71] GALLANT, MARK, CA
[22] 2022-06-29
[41] 2023-12-29

[21] **3,210,231**
[13] A1

[51] **Int.Cl. A62D 3/40 (2007.01) B01J
19/24 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR
ADJUSTING INPUTS TO A
PYROLYSIS REACTOR TO
IMPROVE PERFORMANCE**
[54] **METHODES ET SYSTEMES
PERMETTANT D~AJUSTER LES
ENTREES DANS UN REACTEUR
DE PYROLYSE AFIN D~EN
AMELIORER LE RENDEMENT**
[72] LEBOE, DAVID AARON, CA
[72] HINKEY, JR., JOHN BENJAMIN, CA
[72] SCHUBAK, GARY EDWARD, CA
[72] REID, CHRISTOPHER EDWIN JOHN,
CA
[72] KRATSCHMAR, KENNETH
WILLIAM, CA
[72] AARNIO, MICHAEL JOHN, CA
[71] EKONA POWER INC., CA
[22] 2023-08-23
[41] 2023-12-29
[30] US (63/433,567) 2022-12-19

[21] **3,217,582**
[13] A1

[51] **Int.Cl. B29C 64/153 (2017.01) B29C
64/40 (2017.01)**
[25] EN
[54] **THREE-DIMENSIONAL MOLDING
METHOD**
[54] **METHODE DE MOULAGE
TRIDIMENSIONNELLE**
[72] ICHIMURA, MAKOTO, JP
[71] MATSUURA MACHINERY
CORPORATION, JP
[22] 2023-10-24
[41] 2023-12-28
[30] JP (2022-170284) 2022-10-25

Demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023

[21] **3,217,859**

[13] A1

[51] **Int.Cl. H01B 11/00 (2006.01) B65H
54/00 (2006.01) B65H 75/00 (2006.01)
H01B 1/20 (2006.01) H01B 7/00
(2006.01)**

[25] EN

[54] **MAGNETIC DATA CABLE**

[54] **CABLE DE DONNEES
MAGNETIQUES**

[72] YUE, WENYONG, CN

[71] FAN GAO LE TRADE (SHENZHEN)
CO., LTD., CN

[22] 2023-10-26

[41] 2023-12-29

[30] CN (202310377554.2) 2023-04-11

PCT Applications Entering the National Phase

Demands PCT entrant en phase nationale

[21] 3,183,366 [13] A1	[21] 3,223,100 [13] A1	[21] 3,223,116 [13] A1
[51] Int.Cl. E21B 33/12 (2006.01) E21B 33/13 (2006.01) E21B 36/00 (2006.01) [25] EN [54] PLUG WITH COMPOSITE ENDS AND METHOD OF FORMING AND USING [54] BOUCHON A EXTREMITES COMPOSITES ET SON PROCEDE DE FORMATION ET D'UTILISATION [72] CARRAGHER, PAUL, GB [72] LEVCHENKO, ANDRE, US [72] CLARK, BILLY, US [72] UNDERWOOD, LANCE, US [71] BISN TEC LTD, GB [85] 2022-12-19 [86] 2021-06-22 (PCT/IB2021/000504) [87] (WO2021/260442) [30] US (63/042,284) 2020-06-22	[25] EN [54] SYNTHETIC CELLULAR MEMBRANE CHEMICAL IONOPHORE DELIVERY SYSTEM COMPRISING HEXA-AQUA LIGAND COMPOSITIONS [54] SYSTEME DE DISTRIBUTION D'IONOPHORE CHIMIQUE A MEMBRANE CELLULAIRE SYNTHETIQUE COMPRENANT DES COMPOSITIONS DE LIGAND HEXA-EAU [72] RUDE, KEVIN WALTON, US [72] KRYSIAK, MICHAEL KENNETH, US [72] PETERSEN, JASEN ERIC, US [71] IONIC ALLIANCE HOLDINGS, LLC, US [85] 2023-12-15 [86] 2022-05-23 (PCT/US2022/030607) [87] (WO2022/265829) [30] US (17/349,880) 2021-06-16 [30] US (17/390,743) 2021-07-30	[51] Int.Cl. C12N 15/85 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) C12N 15/90 (2006.01) C12P 21/00 (2006.01) [25] EN [54] CONSTRUCTS, COMPOSITIONS, CELLS AND METHODS FOR INCREASED RECOMBINANT PROTEIN EXPRESSION BY TARGETED INTEGRATION AND AMPLIFICATION [54] CONSTRUCTIONS, COMPOSITIONS, CELLULES ET METHODES POUR ACCROITRE L'EXPRESSION DE PROTEINES RECOMBINANTES PAR INTEGRATION ET AMPLIFICATION CIBLEES [72] KATONA, LASZLO ROBERT, HU [71] INPAMAC BIOTECH CANADA INC., CA [85] 2023-12-15 [86] 2022-12-13 (PCT/IB2022/062155) [87] (3223116) [30] IB (PCT/IB2022/055963) 2022-06-28 [30] IB (PCT/IB2022/055964) 2022-06-28
[21] 3,205,241 [13] A1		
[51] Int.Cl. C12N 5/071 (2010.01) C07K 1/14 (2006.01) C07K 1/30 (2006.01) C12Q 1/00 (2006.01) C12N 15/10 (2006.01) [25] EN [54] MILK-DERIVED EXOSOME AND EXTRACTION METHOD THEREFOR [54] EXOSOME DERIVE DU LAIT ET METHODE D'EXTRACTION [72] CHEN, LIJUN, CN [72] LI, YING, CN [72] CHEN, JINGYAO, CN [72] QIAO, WEICANG, CN [72] ZHANG, MINGHUI, CN [72] ZHAO, JUNYING, CN [72] YANG, BAOYU, CN [71] BEIJING SANYUAN FOODS CO., LTD., CN [85] 2023-06-30 [86] 2023-04-21 (PCT/CN2023/089769) [87] (3205241) [30] CN (202210755949.7) 2022-06-30		

Demandes PCT entrant en phase nationale

[21] **3,223,263**
[13] A1

[51] **Int.Cl. C07C 275/16 (2006.01) A61K 47/54 (2017.01) C07C 233/47 (2006.01) C07C 237/22 (2006.01) C07C 271/02 (2006.01) C07C 279/14 (2006.01) C07C 323/59 (2006.01) C07D 207/416 (2006.01) C07D 249/04 (2006.01)**

[25] EN

[54] **BIVALENT COMPOUNDS, CONJUGATES AND USES THEREOF**

[54] **COMPOSES BIVALENTS, CONJUGUES ET LEURS UTILISATIONS**

[72] SIYANG, HAIXIAO, CN
[72] YIN, YIJIE, CN
[72] GUO, WANTAO, CN
[72] LI, HAIMING, CN
[72] CHEN, DAWEI, CN
[72] GU, JIAMIN, CN
[72] KONG, XIANQI, CA
[72] PAN, JUN, CN
[72] MA, XINXIN, CN
[72] SONG, PEIMING, CN
[72] WU, CHUN, CN
[72] FENG, HUI, CN
[72] YAO, SHENG, CN
[72] LV, JIASHENG, CN
[71] RISEN (SUZHOU) PHARMA TECH CO., LTD., CN
[71] SIYANG, HAIXIAO, CN
[71] YIN, YIJIE, CN
[71] GUO, WANTAO, CN
[71] LI, HAIMING, CN
[71] CHEN, DAWEI, CN
[71] GU, JIAMIN, CN
[71] KONG, XIANQI, CA
[71] PAN, JUN, CN
[71] MA, XINXIN, CN
[71] SONG, PEIMING, CN
[71] WU, CHUN, CN
[71] FENG, HUI, CN
[71] YAO, SHENG, CN
[71] LV, JIASHENG, CN
[85] 2023-12-18
[86] 2022-06-20 (PCT/CA2022/050991)
[87] (WO2022/266753)
[30] CN (202110687927.7) 2021-06-21

[21] **3,223,273**
[13] A1

[51] **Int.Cl. E04B 1/61 (2006.01) E04B 2/74 (2006.01)**

[25] EN

[54] **WALL PANEL**

[54] **PANNEAU MURAL**

[72] PLATT, DEREK, GB
[72] REILLY, MICHAEL, GB
[71] EEKOWALL LIMITED, GB
[85] 2023-12-18
[86] 2022-06-27 (PCT/IB2022/055960)
[87] (WO2022/269580)
[30] GB (2109233.3) 2021-06-25

[21] **3,223,277**
[13] A1

[51] **Int.Cl. H01M 4/02 (2006.01) H01M 4/131 (2010.01) H01M 4/1391 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 10/0525 (2010.01) H01M 4/36 (2006.01)**

[25] EN

[54] **PROCESS FOR MAKING A COATED CATHODE ACTIVE MATERIAL, AND COATED CATHODE ACTIVE MATERIAL**

[54] **PROCEDE DE FABRICATION D'UN MATERIAU ACTIF DE CATHODE REVETU, ET MATERIAU ACTIF DE CATHODE REVETU**

[72] BIANCHINI, MATTEO, DE
[72] HARTMANN, PASCAL, DE
[72] BREZESINSKI, TORSTEN, DE
[72] KRETSCHMER, KATJA RAMONA, DE
[72] DREYER, SOEREN LUKAS, DE
[71] BASF SE, DE
[71] KARLSRUHER INSTITUT FUER TECHNOLOGIE, DE
[85] 2023-12-18
[86] 2022-06-14 (PCT/EP2022/066240)
[87] (WO2023/274723)
[30] EP (21181932.1) 2021-06-28

[21] **3,223,279**
[13] A1

[51] **Int.Cl. D06M 13/285 (2006.01) D03D 15/208 (2021.01) D03D 15/283 (2021.01) D06M 13/432 (2006.01) D06M 13/44 (2006.01) D06M 15/423 (2006.01) D06M 15/431 (2006.01)**

[25] EN

[54] **FLAME RETARDANT FABRIC COMPRISING COTTON ALTERNATIVE**

[54] **TISSU IGNIFUGE COMPRENANT UNE ALTERNATIVE AU COTON**

[72] KARKDIJK, SIMONE CHRISTINA FREDERIQUE, NL
[72] VAN RIJN, ANDRE AELREDUS LAURENTIUS, NL
[72] VAN DIJK, GERRIT BEERT, NL
[71] TEN CATE PROTECT BV, NL
[85] 2023-12-18
[86] 2022-06-16 (PCT/EP2022/066529)
[87] (WO2022/263615)
[30] NL (2028484) 2021-06-18

[21] **3,223,282**
[13] A1

[51] **Int.Cl. A61K 31/197 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01)**

[25] EN

[54] **ADMINISTRATION OF BAIBA TO INCREASE BENEFIT OF LOSING WEIGHT OF INTERMITTENT FASTING**

[54] **ADMINISTRATION DE BAIBA POUR AUGMENTER L'AVANTAGE DE PERTE DE POIDS D'UN JEUNE INTERMITTENT**

[72] YI, RONGHUA, CN
[72] LIAO, KYLIN, CN
[71] NANJING NUTRABUILDING BIO-TECH CO., LTD., CN
[85] 2023-12-18
[86] 2022-06-21 (PCT/CN2022/100011)
[87] (WO2022/268049)
[30] CN (PCT/CN2021/101529) 2021-06-22

PCT Applications Entering the National Phase

[21] **3,223,284**
[13] A1

[51] **Int.Cl. G06F 1/18 (2006.01)**
[25] EN
[54] **HANGING LUG, SERVER AND SERVER SYSTEM**
[54] **PATTE DE SUSPENSION, SERVEUR ET SYSTEME DE SERVEUR**
[72] YU, ZHITAO, CN
[72] HUANG, JUNJIE, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-18
[86] 2022-08-04 (PCT/CN2022/110201)
[87] (WO2023/045582)
[30] CN (202111122657.1) 2021-09-24

[21] **3,223,286**
[13] A1

[51] **Int.Cl. H01M 4/13 (2010.01)**
[25] EN
[54] **DRY BATTERY ELECTRODE PLATE AND BATTERY**
[54] **PIECE POLAIRE DE BATTERIE A BASE DE PROCEDE SEC ET BATTERIE**
[72] HU, YIWEI, CN
[72] GUO, ZIZHU, CN
[72] PAN, YI, CN
[72] ZHANG, JIANCHANG, CN
[72] SUN, HUAJUN, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-18
[86] 2022-07-14 (PCT/CN2022/105666)
[87] (WO2023/284818)
[30] CN (202121615791.0) 2021-07-15

[21] **3,223,289**
[13] A1

[51] **Int.Cl. H01H 47/32 (2006.01) B60L 50/60 (2019.01)**
[25] EN
[54] **LOW-VOLTAGE POWER SUPPLY SYSTEM AND VEHICLE HAVING SAME**
[54] **SYSTEME D'ALIMENTATION ELECTRIQUE BASSE TENSION ET VEHICULE EQUIPE DE CELUI-CI**
[72] GUO, CAIFANG, CN
[72] QI, AXI, CN
[72] LIU, JIAN, CN
[72] GAO, JIAN, CN
[72] LI, LELE, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-18
[86] 2022-06-17 (PCT/CN2022/099424)
[87] (WO2023/029668)
[30] CN (202122068389.1) 2021-08-28

[21] **3,223,291**
[13] A1

[51] **Int.Cl. B62D 5/04 (2006.01) B62D 6/00 (2006.01)**
[25] EN
[54] **STEERING WHEEL HAND FEELING COMPENSATION METHOD**
[54] **PROCEDE DE COMPENSATION DE SENSATION MANUELLE DE VOLANT**
[72] LIU, PENG, CN
[72] TAO, WENXIU, CN
[72] TONG, YUNCHUN, CN
[72] WANG, XIN, CN
[72] LIAO, YINSHENG, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-18
[86] 2022-09-26 (PCT/CN2022/121344)
[87] (WO2023/046168)
[30] CN (202111133360.5) 2021-09-27

[21] **3,223,292**
[13] A1

[51] **Int.Cl. C12N 15/86 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS PACKAGING SYSTEMS**
[54] **SYSTEMES DE CONDITIONNEMENT DE VIRUS ADENO-ASSOCIES**
[72] VAN LIESHOUT, LAURA, US
[72] STANVICK, MARISSA, US
[71] OXFORD BIOMEDICA SOLUTIONS LLC, US
[85] 2023-12-18
[86] 2022-06-24 (PCT/US2022/073138)
[87] (WO2022/272297)
[30] US (63/202,817) 2021-06-25
[30] US (63/262,218) 2021-10-07
[30] US (63/266,646) 2022-01-11

[21] **3,223,295**
[13] A1

[51] **Int.Cl. B01D 53/047 (2006.01) B01D 53/26 (2006.01) C01B 3/04 (2006.01) C01B 3/50 (2006.01)**
[25] EN
[54] **AMMONIA CRACKING FOR GREEN HYDROGEN**
[54] **CRAQUAGE D'AMMONIAC POUR DE L'HYDROGENE VERT**
[72] WEIST, EDWARD LANDIS JR., US
[72] BHADRA, SHUBHRA J., US
[72] CASTEEL, WILLIAM J. JR., US
[72] GOLDEN, TIMOTHY C., US
[72] HUFTON, JEFFREY R., US
[72] LAU, GARRET C., US
[72] SALOWAY, SIMON CRAIG, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[85] 2023-12-18
[86] 2021-06-18 (PCT/US2021/038004)
[87] (WO2022/265651)

[21] **3,223,296**
[13] A1

[51] **Int.Cl. B09B 3/60 (2022.01) C08J 11/10 (2006.01)**
[25] EN
[54] **BIOMASS PRODUCTION**
[54] **PRODUCTION DE BIOMASSE**
[72] BEREZINA, NATHALIE, SE
[72] CHAPOVALOV, MAXIM, SE
[71] NBTECH AB, SE
[85] 2023-12-18
[86] 2022-07-01 (PCT/EP2022/068350)
[87] (WO2023/275397)
[30] EP (21183517.8) 2021-07-02
[30] EP (21183520.2) 2021-07-02
[30] EP (21210560.5) 2021-11-25

Demandes PCT entrant en phase nationale

[21] **3,223,297**
[13] A1

[51] **Int.Cl. B41J 2/175 (2006.01) B41J 2/235 (2006.01) B41J 2/30 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DETERMINING THE AUTHENTICITY OF A COMPONENT**

[54] **PROCEDES ET SYSTEMES POUR DETERMINER L'AUTHENTICITE D'UN COMPOSANT**

[72] FISTER, ZACHARY NATHAN, US

[72] FOLEY, NATHAN WAYNE, US

[72] RADEMACHER, TIMOTHY JOHN, US

[72] WILLIAMS, JENNIFER TOPMILLER, US

[71] LEXMARK INTERNATIONAL, INC., US

[85] 2023-12-18

[86] 2021-10-11 (PCT/US2021/054401)

[87] (WO2023/282924)

[30] US (17/371,211) 2021-07-09

[21] **3,223,300**
[13] A1

[51] **Int.Cl. G01F 1/66 (2022.01) G01K 13/02 (2021.01)**

[25] EN

[54] **FLOW SENSOR AND METHOD USING TEMPERATURE TO IMPROVE MEASUREMENTS FOR LOW RATES**

[54] **CAPTEUR DE DEBIT ET PROCEDE UTILISANT LA TEMPERATURE POUR AMELIORER DES MESURES POUR DES VALEURS FAIBLES**

[72] MADSEN, BO ESKEROD, DK

[71] REMONI TECHNOLOGIES RO SRL, RO

[85] 2023-12-18

[86] 2022-06-17 (PCT/DK2022/050134)

[87] (WO2023/274474)

[30] DK (PA202100690) 2021-06-27

[30] DK (PA202200049) 2022-01-19

[21] **3,223,301**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2023.01) G06Q 10/06 (2023.01)**

[25] EN

[54] **SYSTEM FOR DYNAMIC TASK CREATION FOR AGRICULTURAL EQUIPMENT**

[54] **SYSTEME DE CREATION DE TACHE DYNAMIQUE POUR EQUIPEMENT AGRICOLE**

[72] KOCER, JARED ERNEST, US

[71] RAVEN INDUSTRIES, INC., US

[85] 2023-12-18

[86] 2022-06-22 (PCT/US2022/034509)

[87] (WO2022/271812)

[30] US (63/214,104) 2021-06-23

[21] **3,223,302**
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01)**

[25] EN

[54] **PHACOEMLSIFICATION HANDPIECE**

[54] **PIECE A MAIN DE PHACOEMLSIFICATION**

[72] KOCHER, CHRISTOPHER, US

[72] TAYLOR, JASON, US

[72] KESSLER, ELIJAH, US

[71] BAUSCH & LOMB IRELAND LIMITED, IE

[85] 2023-12-18

[86] 2022-06-29 (PCT/IB2022/056080)

[87] (WO2023/275803)

[30] US (17/365,353) 2021-07-01

[21] **3,223,303**
[13] A1

[51] **Int.Cl. A23L 33/14 (2016.01) A23L 33/16 (2016.01)**

[25] EN

[54] **PHYSIOLOGICALLY ACCEPTABLE YEAST COMPOSITIONS AND USES THEREOF**

[54] **COMPOSITIONS DE LEVURE PHYSIOLOGIQUEMENT ACCEPTABLES ET LEURS UTILISATIONS**

[72] DE LECEA, CARLOS, ES

[72] CUNE CASTELLANA, JORDI, ES

[72] TINTORE GAZULLA, MARIA, ES

[71] AB MAURI (UK) LTD, GB

[85] 2023-12-18

[86] 2022-06-30 (PCT/EP2022/068197)

[87] (WO2023/275325)

[30] EP (21382576.3) 2021-06-30

[30] EP (22382114.1) 2022-02-11

[21] **3,223,304**
[13] A1

[51] **Int.Cl. C07D 491/22 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **ANTITUMOR COMPOUND AND ITS APPLICATION**

[54] **COMPOSE ANTITUMORAL ET SON UTILISATION**

[72] LI, AO, CN

[72] CHEN, YILE, CN

[72] CAO, GUOQING, CN

[71] MINGHUI PHARMACEUTICAL (HANGZHOU) LIMITED, CN

[71] MINGHUI PHARMACEUTICAL (SHANGHAI) LIMITED, CN

[85] 2023-12-18

[86] 2022-06-16 (PCT/CN2022/099053)

[87] (WO2022/262789)

[30] CN (202110673571.1) 2021-06-17

[21] **3,223,305**
[13] A1

[51] **Int.Cl. G06Q 10/0833 (2023.01)**

[25] EN

[54] **SYSTEMS, APPARATUS, AND COMPUTER-IMPLEMENTED METHODS FOR MONITORING PACKAGES IN TRANSIT THROUGH A LOGISTICS NETWORK**

[54] **SYSTEMES, APPAREIL ET PROCEDES MIS EN ?UVRE PAR ORDINATEUR POUR SURVEILLER DES PAQUETS EN TRANSIT DANS UN RESEAU LOGISTIQUE**

[72] VAIDYANATHAN, BALA, US

[72] METHAPATARA, CHINNATAT, US

[72] BOCHMAN, CHRISTOPHER, US

[72] NARASIMHAN, GOPAL, US

[72] RICHARDSON, GEORGE, US

[71] FEDEX CORPORATE SERVICES, INC., US

[85] 2023-12-18

[86] 2022-11-29 (PCT/US2022/051234)

[87] (WO2023/101953)

[30] US (63/284,615) 2021-11-30

PCT Applications Entering the National Phase

[21] **3,223,306**
[13] A1

[51] **Int.Cl. C01B 3/04 (2006.01) C01B 3/56 (2006.01)**
[25] EN
[54] **AMMONIA CRACKING PROCESS**
[54] **PROCEDE DE CRAQUAGE D'AMMONIAC**
[72] SHAW, ANDREW, US
[72] SALOWAY, SIMON CRAIG, US
[72] WHITE, VINCENT, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[85] 2023-12-18
[86] 2021-06-18 (PCT/US2021/038000)
[87] (WO2022/265650)

[21] **3,223,307**
[13] A1

[51] **Int.Cl. G01F 1/66 (2022.01) G01F 1/68 (2006.01) G01P 13/00 (2006.01)**
[25] EN
[54] **ULTRASONIC FLOW SENSOR AND THERMAL ENERGY SENSOR WITH NON-INVASIVE IDENTIFICATION OF NO-FLOW AND IMPROVED ACCURACY**
[54] **CAPTEUR DE DEBIT A ULTRASONS ET CAPTEUR D'ENERGIE THERMIQUE A IDENTIFICATION NON INVASIVE D'ABSENCE D'ECOULEMENT ET PRECISION AMELIOREE**
[72] MADSEN, BO ESKEROD, DK
[71] REMONI A/S, DK
[85] 2023-12-18
[86] 2022-06-17 (PCT/DK2022/050136)
[87] (WO2023/274476)
[30] DK (PA202100690) 2021-06-27
[30] DK (PA202200049) 2022-01-19

[21] **3,223,308**
[13] A1

[51] **Int.Cl. F16G 11/12 (2006.01)**
[25] EN
[54] **SELF-LOCKING CABLE SECURING DEVICE, ASSEMBLY AND METHOD**
[54] **DISPOSITIF DE FIXATION DE CABLE AUTOBLOQUANT, ENSEMBLE ET PROCEDE**
[72] DIAS, LIBARDO OCHOA, US
[72] BOUCHARD, HERBERT J., US
[72] CROMPTON, DAVID B., US
[71] QUICK FITTING HOLDING COMPANY, LLC, US
[85] 2023-12-18
[86] 2022-07-07 (PCT/US2022/036315)
[87] (WO2023/283306)
[30] US (17/370,416) 2021-07-08

[21] **3,223,309**
[13] A1

[51] **Int.Cl. G06F 21/62 (2013.01) G06F 21/31 (2013.01) G06F 21/64 (2013.01) G06F 16/24 (2019.01)**
[25] EN
[54] **SECURITY DRIVER EXTERNAL FUNCTIONS**
[54] **FONCTIONS EXTERNES DE PILOTES DE SECURITE**
[72] BEECHAM, JAMES DOUGLAS, US
[72] STRUTTMANN, CHRISTOPHER EDWARD, US
[72] SNELLMAN, MARK, US
[72] LOCKE, JUDSON BENTON, US
[72] ROSE, KEVIN, US
[71] ALTR SOLUTIONS, INC., US
[85] 2023-12-18
[86] 2022-06-21 (PCT/US2022/034404)
[87] (WO2022/266549)
[30] US (63/212,599) 2021-06-21

[21] **3,223,310**
[13] A1

[51] **Int.Cl. A61K 36/75 (2006.01) A61K 36/076 (2006.01) A61K 36/23 (2006.01) A61K 36/232 (2006.01) A61K 36/233 (2006.01) A61K 36/236 (2006.01) A61K 36/237 (2006.01) A61K 36/238 (2006.01) A61K 36/34 (2006.01) A61K 36/484 (2006.01) A61K 36/538 (2006.01) A61P 11/06 (2006.01)**
[25] EN
[54] **USE OF TRADITIONAL CHINESE MEDICINE COMPOSITION IN PREPARATION OF DRUG FOR TREATING COUGH VARIANT ASTHMA**
[54] **UTILISATION DE COMPOSITION DE MEDECINE TRADITIONNELLE CHINOISE DANS LA PREPARATION D'UN MEDICAMENT POUR LE TRAITEMENT D'UNE VARIANTE D'ASTHME AVEC TOUX**
[72] ZHANG, GUIMIN, CN
[72] LI, XIN, CN
[72] LIU, DONGGAUNG, CN
[71] SHANDONG NEW TIME PHARMACEUTICAL CO., LTD., CN
[85] 2023-12-18
[86] 2022-06-27 (PCT/CN2022/101536)
[87] (WO2023/274150)
[30] CN (202110729350.1) 2021-06-29

[21] **3,223,311**
[13] A1

[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TARGETING, EDITING OR MODIFYING HUMAN GENES**
[54] **COMPOSITIONS ET PROCEDES DE CIBLAGE, D'EDITION OU DE MODIFICATION DE GENES HUMAINS**
[72] BARGHETTI, ANDREA, US
[72] BAUMGARTNER, ROLAND, US
[72] WARNECKE, TANYA, US
[72] DOMINGUES PEREIRA, SARA ISABEL, US
[71] ARTISAN DEVELOPMENT LABS, INC., US
[85] 2023-12-18
[86] 2022-06-20 (PCT/US2022/034186)
[87] (WO2022/266538)
[30] US (63/212,189) 2021-06-18
[30] US (63/286,814) 2021-12-07

Demandes PCT entrant en phase nationale

[21] **3,223,312**
[13] A1

[51] **Int.Cl. B01D 17/02 (2006.01) B25J 9/16 (2006.01)**

[25] EN

[54] **MITIGATION OF CHEMICAL ABSORPTION ACROSS MULTIPLE ROBOTS**

[54] **MODERATION D'ABSORPTION CHIMIQUE SUR L'ENSEMBLE DE MULTIPLES ROBOTS**

[72] HOGG, TAD, US

[71] CBN NANO TECHNOLOGIES INC., CA

[85] 2023-12-18

[86] 2023-04-17 (PCT/US2023/018787)

[87] (WO2023/229746)

[30] US (63/345,155) 2022-05-24

[21] **3,223,313**
[13] A1

[51] **Int.Cl. A61K 38/26 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) C07K 14/605 (2006.01)**

[25] EN

[54] **METHODS OF USING AND COMPOSITIONS INCLUDING AN INCRETIN ANALOG**

[54] **ANALOGUE D'INCRETINE UTILISE DANS LA GESTION DU POIDS ET LE CONTROLE DE LA GLYCEMIE**

[72] COSKUN, TAMER, US

[72] MILICEVIC, ZVONKO, US

[72] URVA, SHWETA, US

[71] ELI LILLY AND COMPANY, US

[85] 2023-12-18

[86] 2022-06-22 (PCT/US2022/034437)

[87] (WO2022/271767)

[30] US (63/213,956) 2021-06-23

[21] **3,223,315**
[13] A1

[51] **Int.Cl. G16B 20/20 (2019.01) G16H 50/20 (2018.01) G16B 40/00 (2019.01)**

[25] EN

[54] **MINIMIZING FETAL FRACTION BIAS IN MATERNAL POLYGENIC RISK SCORE ESTIMATION**

[54] **MINIMISATION DU BIAIS DE FRACTION F?TALE DANS UNE ESTIMATION DE SCORE DE RISQUE POLYGENIQUE MATERNEL**

[72] MEHAN, MICHAEL, US

[72] KIM, SUNG, US

[72] DECIU, COSMIN, US

[71] ILLUMINA, INC., US

[85] 2023-12-18

[86] 2023-02-10 (PCT/US2023/012841)

[87] (WO2023/158596)

[30] US (63/310,876) 2022-02-16

[21] **3,223,316**
[13] A1

[51] **Int.Cl. A01N 59/16 (2006.01) C09D 7/61 (2018.01) C09D 5/14 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL PROTECTIVE LAYER, SUBSTRATE HAVING THE ANTIMICROBIAL PROTECTIVE LAYER, AND METHOD FOR PRODUCING THE SUBSTRATE HAVING THE ANTIMICROBIAL PROTECTIVE LAYER**

[54] **COUCHE DE PROTECTION ANTIMICROBIENNE, SUBSTRAT COMPORTANT LA COUCHE DE PROTECTION ANTIMICROBIENNE, ET PROCEDE DE PRODUCTION DU SUBSTRAT COMPORTANT LA COUCHE DE PROTECTION ANTIMICROBIENN**

[72] JENSEN, JENS DAHL, DE

[72] KRUGER, URSUS, DE

[72] WINKLER, GABRIELE, DE

[71] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2023-12-18

[86] 2022-06-08 (PCT/EP2022/065530)

[87] (WO2022/268506)

[30] EP (21180740.9) 2021-06-22

[21] **3,223,317**
[13] A1

[51] **Int.Cl. E21B 23/06 (2006.01) E21B 34/14 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PERFORMING A STRADDLE FRAC OPERATION**

[54] **SYSTEME ET PROCEDE POUR EFFECTUER UNE OPERATION DE FRACTURATION PAR ENJAMBEMENT**

[72] STOLBOUSHKIN, EUGENE, US

[72] UNNIKRIISHNAN, VIKRAM, US

[72] SOLFRONK, MATTHEW, US

[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US

[85] 2023-12-18

[86] 2022-06-16 (PCT/US2022/033716)

[87] (WO2022/266281)

[30] US (17/351,551) 2021-06-18

[21] **3,223,318**
[13] A1

[51] **Int.Cl. A61K 39/17 (2006.01)**

[25] EN

[54] **VIRUS ATTENUATION**

[54] **ATTENUATION DE VIRUS**

[72] MUNIR, MUHAMMAD, GB

[71] UNIVERSITY OF LANCASTER, GB

[85] 2023-12-18

[86] 2022-06-21 (PCT/GB2022/051579)

[87] (WO2022/269248)

[30] GB (2108986.7) 2021-06-23

[30] GB (2118670.5) 2021-12-21

PCT Applications Entering the National Phase

[21] **3,223,323**
[13] A1

[51] **Int.Cl. C07K 14/52 (2006.01) C12N 5/074 (2010.01) C12N 5/0781 (2010.01) C12N 5/0783 (2010.01) C12N 5/0789 (2010.01) C07K 14/705 (2006.01) C07K 16/18 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **PROTECTED EFFECTOR CELLS AND USE THEREOF FOR ALLOGENEIC ADOPTIVE CELL THERAPIES**

[54] **CELLULES EFFECTRICES PROTEGEES ET LEUR UTILISATION POUR DES THERAPIES CELLULAIRES ADOPTIVES ALLOGENIQUES**

[72] VALAMEHR, BAHRAM, US
[72] BJORDAHL, RYAN, US
[72] GOODRIDGE, JODE, US
[72] WILLIAMS, ALAN, US
[72] MBOFUNG, RINA, US
[71] FATE THERAPEUTICS, INC., US
[85] 2023-12-18
[86] 2022-07-01 (PCT/US2022/073396)
[87] (WO2023/279112)
[30] US (63/218,204) 2021-07-02
[30] US (63/341,943) 2022-05-13
[30] US (63/265,190) 2021-12-09

[21] **3,223,327**
[13] A1

[51] **Int.Cl. B64C 27/08 (2023.01) B64C 27/82 (2006.01)**

[25] EN

[54] **RECONFIGURING VERTICAL TAKEOFF AND LANDING AIRCRAFT**

[54] **RECONFIGURATION D'AERONEF A DECOLLAGE ET ATTERRISSAGE VERTICAL**

[72] NOROUZI, RAMIN, IR
[71] NOROUZI, RAMIN, IR
[85] 2023-12-19
[86] 2021-06-20 (PCT/IB2021/055423)
[87] (WO2022/269309)

[21] **3,223,340**
[13] A1

[51] **Int.Cl. A62C 3/02 (2006.01) H04W 4/021 (2018.01) G06V 20/10 (2022.01) G06V 20/13 (2022.01)**

[25] EN

[54] **TEMPORAL BOUNDS OF WILDFIRES**

[54] **LIMITES TEMPORELLES DE FEUX DE FORET**

[72] COWAN, ELIOT JULIEN, US
[71] X DEVELOPMENT LLC, US
[85] 2023-12-19
[86] 2022-03-03 (PCT/US2022/018651)
[87] (WO2022/271217)
[30] US (17/354,842) 2021-06-22

[21] **3,223,357**
[13] A1

[51] **Int.Cl. G01N 21/31 (2006.01) G01N 21/84 (2006.01)**

[25] EN

[54] **IMPROVED SUBSTANCE QUANTIFICATION IN COMPLEX MIXTURES**

[54] **QUANTIFICATION DE SUBSTANCE AMELIOREE DANS DES MELANGES COMPLEXES**

[72] BURM, BRIGITTE ELISA ANNA, NL
[72] BEENAKKER, THOMAS JOHANNES MARIA, NL
[71] ISA PHARMACEUTICALS B.V., NL
[85] 2023-12-19
[86] 2022-07-12 (PCT/EP2022/069372)
[87] (WO2023/285412)
[30] EP (21185031.8) 2021-07-12

[21] **3,223,362**
[13] A1

[51] **Int.Cl. C12Q 1/6806 (2018.01)**

[25] EN

[54] **METHODS OF DETECTING METHYLCYTOSINE AND HYDROXYMETHYLCYTOSINE BY SEQUENCING**

[54] **PROCEDES DE DETECTION DE METHYLCYTOSINE ET D'HYDROXYMETHYLCYTOSINE PAR SEQUENCAGE**

[72] WU, XIAOLIN, GB
[72] FRANCAIS, ANTOINE, GB
[72] LIU, XIAOHAI, GB
[71] ILLUMINA, INC., US
[85] 2023-12-19
[86] 2023-01-18 (PCT/US2023/011047)
[87] (WO2023/141154)
[30] US (63/301,370) 2022-01-20

[21] **3,223,363**
[13] A1

[51] **Int.Cl. C10G 3/00 (2006.01) C11B 3/10 (2006.01)**

[25] EN

[54] **NOVEL METHOD FOR REMOVING NITROGEN CONTAINING COMPOUNDS FROM A FEEDSTOCK**

[54] **NOUVEAU PROCEDE D'ELIMINATION DE COMPOSES CONTENANT DE L'AZOTE A PARTIR D'UNE CHARGE D'ALIMENTATION**

[72] BERGSTROM, PIA, FI
[72] WAHLSTROM, RONNY, FI
[72] ALAKURTTI, SAMI, FI
[72] MALM, ANNIKA, FI
[71] NESTE OYJ, FI
[85] 2023-12-19
[86] 2022-08-23 (PCT/EP2022/073391)
[87] (WO2023/025755)
[30] FI (20215884) 2021-08-24

[21] **3,223,367**
[13] A1

[51] **Int.Cl. A61M 13/00 (2006.01) A61B 17/34 (2006.01) A61M 16/00 (2006.01) A61M 16/20 (2006.01)**

[25] EN

[54] **INSUFFLATOR SAFETY VALVE HAVING ELECTRICALLY VARIABLE CRACKING PRESSURE**

[54] **SOUPAPE DE SECURITE D'INSUFFLATEUR AYANT UNE PRESSION DE CRAQUAGE ELECTRIQUEMENT VARIABLE**

[72] KOLTZ, MICHAEL L. JR., US
[71] CONMED CORPORATION, US
[85] 2023-12-19
[86] 2022-08-23 (PCT/US2022/041170)
[87] (WO2023/043586)
[30] US (63/246,018) 2021-09-20

Demandes PCT entrant en phase nationale

[21] **3,223,370**
[13] A1

[51] **Int.Cl. A61B 5/151 (2006.01)**
[25] EN
[54] **SAMPLE CONTAINER FOR CAPILLARY BLOOD COLLECTION**
[54] **RECIPIENT D'ECHANTILLON POUR PRELEVEMENT SANGUIN CAPILLAIRE**
[72] TORRIS, ANTHONY V., US
[72] BOKKA SRINIVASA RAO, KISHORE K., US
[72] ALTHOFF, CHARLES PETER, US
[72] YAKHNICH, VLAD, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2023-12-19
[86] 2022-06-23 (PCT/US2022/034643)
[87] (WO2023/278231)
[30] US (63/216,277) 2021-06-29

[21] **3,223,371**
[13] A1

[51] **Int.Cl. A61P 37/02 (2006.01)**
[25] EN
[54] **NOVEL MRNA VACCINE FOR AUTOIMMUNITY**
[54] **NOUVEAU VACCIN A ARNM POUR L'AUTO-IMMUNITE**
[72] CREUSOT, REMI J., US
[72] FIRDESSA FITE, REBUMA, US
[72] POSTIGO FERNANDEZ, JORGE, US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2023-12-19
[86] 2022-06-22 (PCT/US2022/073087)
[87] (WO2022/272263)
[30] US (63/202,741) 2021-06-22

[21] **3,223,374**
[13] A1

[51] **Int.Cl. A61F 13/514 (2006.01)**
[25] EN
[54] **PRESSURE EMBOSSEMENT**
[54] **GAUFRAGE SOUS PRESSION**
[72] MAIER, LEONHARD, DE
[71] RKW SE, DE
[85] 2023-12-19
[86] 2022-06-09 (PCT/EP2022/065639)
[87] (WO2023/274677)
[30] DE (10 2021 116 731.0) 2021-06-29

[21] **3,223,375**
[13] A1

[51] **Int.Cl. C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION DOSAGE REGIME OF CD137 AND PD-L1 BINDING AGENTS**
[54] **REGIME POSOLOGIQUE COMBINE D'AGENTS DE LIAISON CD137 ET PD-L1**
[72] SAHIN, UGUR, DE
[72] MUIK, ALEXANDER, DE
[72] FORSSMANN, ULF, DK
[72] JURE-KUNKEL, MARIAN, US
[72] BAJAJ, GAURAV, US
[72] TALHAUSER, CRAIG, US
[72] PENCHEVA, NORA, NL
[71] GENMAB A/S, DK
[71] BIONTECH SE, DE
[85] 2023-12-19
[86] 2022-06-20 (PCT/EP2022/066764)
[87] (WO2022/268740)
[30] US (63/212,781) 2021-06-21
[30] US (63/257,879) 2021-10-20

[21] **3,223,379**
[13] A1

[51] **Int.Cl. A61M 60/139 (2021.01) A61M 60/81 (2021.01) A61M 60/857 (2021.01) A61M 60/861 (2021.01)**
[25] EN
[54] **HEART PUMP ASSEMBLY WITH A BLOOD INLET CONFIGURED TO INCREASE BLOOD FLOW**
[54] **ENSEMBLE POMPE CARDIAQUE A ENTREE DE SANG CONFIGUREE POUR L'AUGMENTATION DU DEBIT SANGUIN**
[72] CORBETT, SCOTT C., US
[72] QI, ZHONGWEI, US
[71] ABIOMED, INC., US
[85] 2023-12-19
[86] 2022-06-29 (PCT/US2022/035515)
[87] (WO2023/278570)
[30] US (63/217,575) 2021-07-01

[21] **3,223,381**
[13] A1

[51] **Int.Cl. G06V 20/40 (2022.01) G06V 20/52 (2022.01) G06V 20/64 (2022.01)**
[25] EN
[54] **ITEM IDENTIFICATION USING DIGITAL IMAGE PROCESSING**
[54] **IDENTIFICATION D'ARTICLE A L'AIDE D'UN TRAITEMENT D'IMAGE NUMERIQUE**
[72] KRISHNAMURTHY, SAILESH BHARATHWAAJ, US
[72] DATAR, SUMEDH VILAS, US
[72] THAKURDESAI, SHANTANU YADUNATH, US
[72] MAUNG, CRYSTAL, US
[71] 7-ELEVEN, INC., US
[85] 2023-12-19
[86] 2022-06-09 (PCT/US2022/072832)
[87] (WO2023/278930)
[30] US (17/362,261) 2021-06-29

[21] **3,223,382**
[13] A1

[51] **Int.Cl. F25C 5/182 (2018.01) F25C 5/20 (2018.01) B65B 1/32 (2006.01) B65B 3/28 (2006.01) B67D 1/08 (2006.01) F25C 5/18 (2018.01) G07F 13/04 (2006.01)**
[25] EN
[54] **ICE VENDING MACHINE WITH REDUCED FOOTPRINT**
[54] **DISTRIBUTEUR AUTOMATIQUE DE GLACE A SUPERFICIE AU SOL REDUITE**
[72] METZGER, MARK, US
[71] QUICK AND PURE HOLDINGS, LLC, US
[85] 2023-12-19
[86] 2022-06-30 (PCT/US2022/035706)
[87] (WO2023/278689)
[30] US (63/217,002) 2021-06-30

[21] **3,223,384**
[13] A1

[51] **Int.Cl. A61M 25/10 (2013.01)**
[25] EN
[54] **VESSEL BLOCKAGE PASSING**
[54] **TRAVERSEE D'OCCLUSION VASCULAIRE**
[72] POLLACK, JORDAN, IL
[72] ATAROT, GAL, IL
[72] FELD, TANHUM, IL
[72] FRIESEM, BEN ADAM, IL
[71] VEINWAY LTD., IL
[85] 2023-12-19
[86] 2022-07-05 (PCT/IL2022/050716)
[87] (WO2023/281500)
[30] US (63/218,421) 2021-07-05

PCT Applications Entering the National Phase

[21] **3,223,386**
[13] A1

[51] **Int.Cl. G06Q 10/02 (2012.01) H04W 4/02 (2018.01) G06Q 10/06 (2023.01) G06Q 30/06 (2023.01)**

[25] EN

[54] **RECORDING IDENTIFIER OF A UTILISED RESOURCE SPACE**

[54] **IDENTIFICATEUR D'ENREGISTREMENT D'UN ESPACE DE RESSOURCES UTILISE**

[72] WINNER, DUNCAN, GB

[72] HOLMAN, MONICA, GB

[72] BISHOP, JOHN, US

[71] ASSA ABLOY LIMITED, GB

[85] 2023-12-19

[86] 2022-06-27 (PCT/EP2022/067561)

[87] (WO2023/274957)

[30] SE (2150831-2) 2021-06-29

[21] **3,223,387**
[13] A1

[51] **Int.Cl. B01D 11/04 (2006.01) B01J 19/00 (2006.01)**

[25] EN

[54] **MICROMIXING FOR HIGH THROUGHPUT MICROFLUIDIC REFINING**

[54] **MICROMELANGE POUR RAFFINAGE MICROFLUIDIQUE A HAUT DEBIT**

[72] MOHAMED, RANA, US

[71] CHEMTOR, LP, US

[85] 2023-12-19

[86] 2022-07-12 (PCT/US2022/073633)

[87] (WO2023/288214)

[30] US (63/220,716) 2021-07-12

[21] **3,223,388**
[13] A1

[51] **Int.Cl. H04W 76/28 (2018.01)**

[25] EN

[54] **METHODS FOR SUPPORTING MULTIPLE DISCONTINUOUS RECEPTION (DRX) CONFIGURATIONS**

[54] **PROCEDES DE PRISE EN CHARGE DE MULTIPLES CONFIGURATIONS DE RECEPTION DISCONTINUE (DRX)**

[72] PRADAS, JOSE LUIS, SE

[72] KANG, DU HO, SE

[72] VOICU, ANDRA MIHAELA, DE

[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE

[85] 2023-12-19

[86] 2022-09-02 (PCT/IB2022/058282)

[87] (WO2023/031877)

[30] US (63/240,864) 2021-09-03

[21] **3,223,389**
[13] A1

[51] **Int.Cl. A01N 35/06 (2006.01)**

[25] EN

[54] **HERBICIDAL COMPOSITIONS**

[54] **COMPOSITIONS HERBICIDES**

[72] SHUB, IFAT, IL

[72] PHILLIP, YAEL, IL

[72] GEVA, YOSEF, IL

[71] AGREMATCH LTD., IL

[85] 2023-12-19

[86] 2022-07-06 (PCT/IL2022/050727)

[87] (WO2023/281509)

[30] IL (284728) 2021-07-08

[30] IL (284729) 2021-07-08

[21] **3,223,390**
[13] A1

[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6869 (2018.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR IDENTIFYING METHYLATED CYTOSINES**

[54] **METHODES ET COMPOSITIONS POUR IDENTIFIER DES CYTOSINES METHYLEES**

[72] BROWN, COLIN, US

[72] LIU, XIAOHAI, US

[72] WU, XIAOLIN, US

[72] BRUSTAD, ERIC, US

[72] SHULTZABERGER, SARAH E., US

[71] ILLUMINA, INC., US

[85] 2023-12-19

[86] 2022-08-16 (PCT/US2022/074999)

[87] (WO2023/023500)

[30] US (63/234,183) 2021-08-17

[21] **3,223,391**
[13] A1

[51] **Int.Cl. C12Q 1/6881 (2018.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **THYMIC CELL COMPOSITIONS AND METHODS OF USE THEREOF**

[54] **COMPOSITIONS DE CELLULES THYMIQUES ET PROCEDES D'UTILISATION ASSOCIES**

[72] LIM, BING, US

[72] LUMMERTZ DA ROCHA, EDROALDO, US

[71] THYMMUNE THERAPEUTICS, INC., US

[85] 2023-12-19

[86] 2022-06-22 (PCT/US2022/034579)

[87] (WO2022/271862)

[30] US (63/214,176) 2021-06-23

[30] US (63/256,445) 2021-10-15

[30] US (63/296,250) 2022-01-04

[30] US (63/321,142) 2022-03-18

Demandes PCT entrant en phase nationale

[21] **3,223,392**
[13] A1

[51] **Int.Cl. E21B 7/06 (2006.01) E21B 47/022 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR POSITION AND ORIENTATION DETECTION OF A DOWNHOLE DEVICE**
[54] **SYSTEME ET PROCEDE DE DETECTION DE POSITION ET D'ORIENTATION D'UN DISPOSITIF DE FOND DE PUITS**
[72] BORG, EIRIK, NO
[72] RASMUSSEN, TOBIAS, NO
[72] CHRISTIANSEN, BJORN (DECEASED), XX
[71] AZIWELL AS, NO
[85] 2023-12-19
[86] 2022-05-31 (PCT/EP2022/064829)
[87] (WO2023/280480)
[30] NO (20210892) 2021-07-09

[21] **3,223,393**
[13] A1

[51] **Int.Cl. H04W 4/80 (2018.01)**
[25] EN
[54] **TRANSFERRING RESPONSIBILITY OF A PHYSICAL KEY FROM A TRANSFERER TO A TRANSFEREE**
[54] **TRANSFERT DE LA RESPONSABILITE D'UNE CLE PHYSIQUE D'UN DISPOSITIF DE TRANSFERT A UN DESTINATAIRE DE TRANSFERT**
[72] BISHOP, JOHN, US
[72] HOLMAN, MONICA, GB
[72] WINNER, DUNCAN, GB
[71] ASSA ABLOY LIMITED, GB
[85] 2023-12-19
[86] 2022-06-27 (PCT/EP2022/067563)
[87] (WO2023/274959)
[30] SE (2150832-0) 2021-06-29

[21] **3,223,394**
[13] A1

[51] **Int.Cl. G16H 20/70 (2018.01) G16H 20/30 (2018.01)**
[25] EN
[54] **A SYSTEM, APPARATUS AND METHOD FOR ENHANCING HUMAN SENSORIMOTOR ABILITY**
[54] **SYSTEME, APPAREIL ET PROCEDE POUR AMELIORER LA CAPACITE SENSORIMOTRICE HUMAINE**
[72] MCGRATH, ELIZABETH, AU
[71] PRISM NEURO PTY LTD, AU
[85] 2023-12-19
[86] 2022-06-30 (PCT/AU2022/050683)
[87] (WO2023/272358)
[30] AU (2021902011) 2021-07-01

[21] **3,223,396**
[13] A1

[51] **Int.Cl. A61K 8/49 (2006.01) A61P 17/04 (2006.01)**
[25] FR
[54] **USE OF PHENYLENE BIS-DIPHENYLTRIAZINE FOR PROTECTING THE SKIN BARRIER FUNCTION AND THE SKIN MICROBIOTA**
[54] **UTILISATION DE LA PHENYLENE BIS-DIPHENYLTRIAZINE POUR LA PRESERVATION DE LA FONCTION BARRIERE ET DU MICROBIOTE CUTANES**
[72] JACQUES, CARINE, FR
[72] MAITRE, MARTINE, FR
[72] BACQUEVILLE, DANIEL, FR
[72] DUPLAN, HELENE, FR
[72] BESSOU TOUYA, SANDRINE, FR
[71] PIERRE FABRE DERMOCOSMETIQUE, FR
[85] 2023-12-19
[86] 2023-03-03 (PCT/FR2023/050287)
[87] (WO2023/166268)
[30] FR (FR 2201915) 2022-03-04
[30] FR (FR 2204281) 2022-05-05

[21] **3,223,398**
[13] A1

[51] **Int.Cl. G01T 1/10 (2006.01)**
[25] EN
[54] **A METHOD FOR DETERMINING AN AMOUNT OF RADIATION**
[54] **PROCEDE DE DETERMINATION D'UNE QUANTITE DE RAYONNEMENT**
[72] LASTUSAARI, MIKA, FI
[72] NORRBO, ISABELLA, FI
[72] VUORI, SAMI, FI
[71] TURUN YLIOPISTO, FI
[85] 2023-12-19
[86] 2022-07-21 (PCT/FI2022/050502)
[87] (WO2023/007058)
[30] FI (20215822) 2021-07-27

[21] **3,223,399**
[13] A1

[51] **Int.Cl. B65D 71/44 (2006.01) B65D 71/70 (2006.01)**
[25] EN
[54] **CARRIER FOR CONTAINERS**
[54] **DISPOSITIF DE TRANSPORT POUR CONTENEURS**
[72] THOMPSON, JON, GB
[72] FORD, COLIN P., US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2023-12-19
[86] 2022-07-14 (PCT/US2022/037071)
[87] (WO2023/287951)
[30] US (63/222,225) 2021-07-15
[30] US (63/260,881) 2021-09-03

[21] **3,223,400**
[13] A1

[51] **Int.Cl. H01M 10/613 (2014.01) H01M 10/615 (2014.01) H01M 50/112 (2021.01) H02J 7/00 (2006.01)**
[25] EN
[54] **CHARGING SYSTEM AND CHARGING DEVICE FOR BATTERY PACK**
[54] **SYSTEME DE CHARGE ET DISPOSITIF DE CHARGE POUR BLOC-BATTERIE**
[72] GUO, SHU, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-19
[86] 2022-07-29 (PCT/CN2022/109121)
[87] (WO2023/006094)
[30] CN (202110872964.5) 2021-07-30

PCT Applications Entering the National Phase

[21] **3,223,401**
[13] A1

[25] EN
[54] **METHOD AND DEVICE FOR IMPREGNATING A FILM, AND METHOD FOR MANUFACTURING A TRANSDERMAL THERAPEUTIC SYSTEM**
[54] **PROCEDE ET APPAREIL D'IMPREGNATION D'UN FILM, ET PROCEDE DE PRODUCTION D'UN SYSTEME THERAPEUTIQUE TRANSDERMIQUE**
[72] STEINBORN, PETER, DE
[72] SCHLOGEL, GEORG, DE
[72] GUTEKUNST, DOROTHEA, DE
[72] STEINBRECHER, VIKTORIA, DE
[72] HOFFMANN, GERD, DE
[72] WIEDERSBERG, SANDRA, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2023-12-19
[86] 2022-05-31 (PCT/EP2022/064713)
[87] (WO2022/268450)
[30] DE (10 2021 115 977.6) 2021-06-21

[21] **3,223,403**
[13] A1

[51] **Int.Cl. B60L 50/60 (2019.01) B60L 58/10 (2019.01)**
[25] EN
[54] **BATTERY PACK AND AUTOMOBILE**
[54] **BLOC-BATTERIE ET AUTOMOBILE**
[72] ZHANG, KE, CN
[72] E, CONGJI, CN
[72] GUO, ZIZHU, CN
[72] PAN, YI, CN
[72] LU, ZHIPEI, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-19
[86] 2022-07-06 (PCT/CN2022/104103)
[87] (WO2023/050963)
[30] CN (202111159489.3) 2021-09-30

[21] **3,223,404**
[13] A1

[51] **Int.Cl. G01N 33/14 (2006.01) A23F 3/14 (2006.01) G01K 11/12 (2021.01) G01N 21/29 (2006.01) G01N 21/78 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR INDICATING A CONCENTRATION OF A BEVERAGE**
[54] **DISPOSITIF ET PROCEDE INDICATEURS DE CONCENTRATION D'UNE BOISSON**
[72] SLOOF, RONALD, NL
[72] TILBURG, ADRIANUS JOHANNES MARIA, NL
[71] A.J.M. TILBURG HOLDING B.V., NL
[85] 2023-12-19
[86] 2022-06-30 (PCT/NL2022/050374)
[87] (WO2023/277688)
[30] NL (2028595) 2021-06-30

[21] **3,223,405**
[13] A1

[51] **Int.Cl. H01M 50/209 (2021.01) H01M 50/244 (2021.01) H01M 50/249 (2021.01)**
[25] EN
[54] **CHARGING AND SWAPPING SYSTEM FOR DETACHABLE BATTERY PACK**
[54] **SYSTEME DE RECHARGE ET DE REMPLACEMENT POUR BLOC-BATTERIE AMOVIBLE**
[72] GUO, SHU, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-19
[86] 2022-07-29 (PCT/CN2022/109117)
[87] (WO2023/006093)
[30] CN (202121765703.5) 2021-07-30

[21] **3,223,407**
[13] A1

[51] **Int.Cl. C09J 7/38 (2018.01) C09J 11/06 (2006.01) C09J 153/02 (2006.01)**
[25] EN
[54] **ADHESIVE TAPE**
[54] **RUBAN ADHESIF**
[72] KIMURA, AKIYOSHI, JP
[72] YAMAMOTO, YOSHIAKI, JP
[72] YOSHIMURA, DAISUKE, JP
[71] DENKA COMPANY LIMITED, JP
[85] 2023-12-19
[86] 2022-07-04 (PCT/JP2022/026547)
[87] (WO2023/282217)
[30] JP (2021-114312) 2021-07-09
[30] JP (2022-048279) 2022-03-24

[21] **3,223,409**
[13] A1

[51] **Int.Cl. G06F 1/18 (2006.01)**
[25] EN
[54] **SERVER CHASSIS AND SERVER**
[54] **ARMOIRE DE SERVEUR ET SERVEUR**
[72] YU, ZHITAO, CN
[72] GONG, WANCHUN, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-19
[86] 2022-07-29 (PCT/CN2022/109113)
[87] (WO2023/020263)
[30] CN (202121975919.4) 2021-08-20

[21] **3,223,411**
[13] A1

[51] **Int.Cl. H01M 4/64 (2006.01)**
[25] EN
[54] **CURRENT COLLECTOR, ELECTRODE SHEET, AND PREPARATION METHOD FOR CURRENT COLLECTOR**
[54] **COLLECTEUR DE COURANT, FEUILLE D'ELECTRODE ET PROCEDE DE PREPARATION DE COLLECTEUR DE COURANT**
[72] CUI, YANHUI, CN
[72] PAN, YI, CN
[72] MEI, RIGUO, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-19
[86] 2022-09-30 (PCT/CN2022/123176)
[87] (WO2023/051773)
[30] CN (202111162977.X) 2021-09-30

[21] **3,223,412**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) C07D 205/02 (2006.01) C07D 217/22 (2006.01) C07D 403/02 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING EGFR INHIBITORS**
[54] **PROCEDE DE PREPARATION D'INHIBITEURS D'EGFR**
[72] BUTLER, ERIKA, CA
[72] LEE, CHRISTOPHER, US
[72] MACEACHERN, LAUREN, CA
[72] WAETZIG, JOSHUA D., US
[71] BLUEPRINT MEDICINES CORPORATION, US
[85] 2023-12-19
[86] 2022-06-22 (PCT/US2022/034487)
[87] (WO2022/271801)
[30] US (63/214,069) 2021-06-23

Demandes PCT entrant en phase nationale

[21] **3,223,413**
[13] A1

[51] **Int.Cl. H01M 4/58 (2010.01)**
[25] EN
[54] **METHOD FOR PREPARING LITHIUM IRON PHOSPHATE POSITIVE ELECTRODE MATERIAL, POSITIVE ELECTRODE POLE PIECE AND LITHIUM ION BATTERY**
[54] **PROCEDE DE PREPARATION D'UN MATERIAU D'ELECTRODE POSITIVE AU PHOSPHATE DE FER-LITHIUM, PIECE POLAIRE D'ELECTRODE POSITIVE ET BATTERIE AU LITHIUM-ION**
[72] DU, MENGYI, CN
[72] CHEN, SANZHI, CN
[72] HAO, RONG, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-19
[86] 2022-09-26 (PCT/CN2022/121210)
[87] (WO2023/046137)
[30] CN (202111132340.6) 2021-09-26

[21] **3,223,414**
[13] A1

[51] **Int.Cl. G06Q 10/04 (2023.01)**
[25] EN
[54] **PROVIDING ACCESS TO A VEHICLE**
[54] **FOURNITURE D'ACCES A UN VEHICULE**
[72] BISHOP, JOHN, US
[72] WINNER, DUNCAN, GB
[72] HOLMAN, MONICA, GB
[71] ASSA ABLOY LIMITED, GB
[85] 2023-12-19
[86] 2022-06-27 (PCT/EP2022/067555)
[87] (WO2023/274953)
[30] SE (2150830-4) 2021-06-29

[21] **3,223,415**
[13] A1

[51] **Int.Cl. A61K 8/368 (2006.01) A61K 8/42 (2006.01)**
[25] EN
[54] **IMPROVED COMPOSITIONS AND METHODS FOR STYLING HAIR FIBERS**
[54] **COMPOSITIONS AMELIOREES ET PROCEDES DE COIFFAGE DE FIBRES CAPILLAIRES**
[72] ABRAMOVICH, SAGI, IL
[72] ASHER, TAMAR, IL
[72] KOJOKARO, NIR, IL
[72] KARTON, YISHAI, IL
[72] BLUVSTEIN, ALEXANDER, IL
[71] LANDA LABS (2012) LTD, IL
[85] 2023-12-19
[86] 2022-08-18 (PCT/IB2022/057741)
[87] (WO2023/021455)
[30] GB (2111904.5) 2021-08-19

[21] **3,223,416**
[13] A1

[51] **Int.Cl. A23K 20/168 (2016.01) A23K 50/90 (2016.01)**
[25] EN
[54] **ISOFUCOSTEROL A KEY NUTRIENT FOR PHYTOSTEROL EATING ANIMALS SUCH AS POLLEN EATING AND ALGAE-EATING AND PLANKTON EATING ORGANISMS**
[54] **L'ISOFUCOSTEROL, NUTRIMENT CLE POUR ANIMAUX MANGEANT DU PHYTOSTEROL TELS QUE DES ORGANISMES MANGEANT DES ALGUES, DU POLLEN ET DU PLANCTON**
[72] BOGAERT, THIERRY, BE
[72] SHAFIR, SHARON, BE
[72] WRIGHT, GERALDINE, BE
[72] BOGAERT, JAN, BE
[71] APIX BIOSCIENCES, BE
[71] PHYTANT, BE
[85] 2023-12-19
[86] 2022-09-13 (PCT/EP2022/075413)
[87] (WO2023/052123)
[30] BE (BE2021/5759) 2021-09-28

[21] **3,223,417**
[13] A1

[51] **Int.Cl. G05B 17/02 (2006.01) G06F 30/20 (2020.01)**
[25] EN
[54] **MODULAR APPARATUS FOR THE INSPECTION OF INDUSTRIAL PRODUCTS AND RELATED METHODS**
[54] **APPAREIL MODULAIRE DESTINE A L'INSPECTION DE PRODUITS INDUSTRIELS ET PROCEDES ASSOCIES**
[72] DEPIERI, FRANCESCO, IT
[72] FREZZA, RUGGERO, IT
[71] MICROTEC S.R.L., IT
[85] 2023-12-19
[86] 2022-06-20 (PCT/IB2022/055722)
[87] (WO2022/269470)
[30] IT (102021000016229) 2021-06-21

[21] **3,223,418**
[13] A1

[51] **Int.Cl. B22D 11/10 (2006.01) B22D 41/50 (2006.01)**
[25] EN
[54] **IMMERSION NOZZLE**
[54] **BUSETTE IMMERGEE**
[72] NISHIO, KANAE, JP
[72] NIITSUMA, HIROYASU, JP
[72] CONTE, RICCARDO, IT
[71] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
[85] 2023-12-19
[86] 2021-07-09 (PCT/JP2021/025890)
[87] (WO2023/281726)

[21] **3,223,421**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR ROBUST DISTANCE MEASUREMENT**
[54] **SYSTEMES ET PROCEDES DE MESURE DE DISTANCE SOLIDE**
[72] SPENCER, THOMAS LEE, US
[72] DOYLE, PATRICK, US
[72] BRENNER, JAY, US
[71] WASTEWIZER INC., US
[85] 2023-12-19
[86] 2022-06-23 (PCT/IB2022/055840)
[87] (WO2022/269537)
[30] US (63/202,751) 2021-06-23

PCT Applications Entering the National Phase

<p style="text-align: right;">[21] 3,223,422 [13] A1</p> <p>[25] EN [54] NITROGEN GENERATION AND SANITIZING SYSTEM [54] SYSTEME DE GENERATION D'AZOTE ET DE DESINFECTION [72] SHULER, JAY L., US [72] COOK, II ROBERT L., US [71] BIOMIST, INC., US [85] 2023-12-19 [86] 2022-06-23 (PCT/US2022/034731) [87] (WO2022/271953) [30] US (63/214,055) 2021-06-23</p>	<p style="text-align: right;">[21] 3,223,426 [13] A1</p> <p>[51] Int.Cl. A61K 31/454 (2006.01) A61P 35/04 (2006.01) [25] EN [54] TREATMENT OF METASTATIC CASTRATION-RESISTANT PROSTATE CANCER WITH NIRAPARIB [54] TRAITEMENT DU CANCER METASTATIQUE DE LA PROSTATE RESISTANT A LA CASTRATION AVEC NIRAPARIB [72] FRANCIS, PETER, US [72] LOPEZ-GITLITZ, ANGELA MENNICKE, US [72] HUTNICK, NATALIE A, US [72] MASON, GARY EDWARD, US [72] ZHAO, XIN, US [72] GORMLEY, MICHAEL P, US [72] ZHU, YUANGEN, US [72] URTISHAK, KAREN ANN, US [72] THOMAS, SHIBU, US [72] DEL CORRAL, ADAM A, US [71] JANSSEN PHARMACEUTICA NV, BE [85] 2023-12-19 [86] 2022-07-18 (PCT/EP2022/070026) [87] (WO2023/001746) [30] US (63/223,352) 2021-07-19 [30] EP (21190762.1) 2021-08-11</p>	<p style="text-align: right;">[21] 3,223,435 [13] A1</p> <p>[51] Int.Cl. B09B 3/35 (2022.01) B02C 23/10 (2006.01) [25] EN [54] METHOD FOR PRODUCING SCRAP PRODUCTS WITH A HIGH DEGREE OF PURITY FROM INHOMOGENEOUS INPUT MATERIAL [54] PROCEDE DE PRODUCTION DE PRODUITS DE FERRAILLE A HAUT DEGRE DE PURETE A PARTIR D'UNE MATIERE PREMIERE NON HOMOGENE [72] BLACKERT, CHRISTIAN, DE [72] BRUMMER, ARON, DE [71] TSR RECYCLING GMBH & CO. KG, DE [85] 2023-12-19 [86] 2022-07-08 (PCT/EP2022/069050) [87] (WO2023/285302) [30] DE (10 2021 118 108.9) 2021-07-13</p>
<p style="text-align: right;">[21] 3,223,423 [13] A1</p> <p>[51] Int.Cl. A01K 61/60 (2017.01) B63H 8/18 (2020.01) F16G 11/04 (2006.01) F16G 11/10 (2006.01) [25] EN [54] BAG FOR A FISH CAGE [54] SAC POUR UN PARC A POISSONS [72] FURBERG, GEIR, NO [71] SCALE AQUACULTURE AS, NO [85] 2023-12-19 [86] 2022-07-12 (PCT/NO2022/050175) [87] (WO2023/287300) [30] NO (20210906) 2021-07-14</p>	<p style="text-align: right;">[21] 3,223,424 [13] A1</p> <p>[25] EN [54] CONSTRUCTING TEXTURED 3D MODELS OF DENTAL STRUCTURES [54] CONSTRUCTION DE MODELES 3D TEXTURES DE STRUCTURES DENTAIRES [72] SCHMIDT-KRULIG, ALEXANDER, DE [72] HELBIG, ANDREAS, DE [72] MARBACH, JULIEN, CA [72] BERGERON, PATRICK, CA [71] INSTITUT STRAUMANN AG, CH [85] 2023-12-19 [86] 2022-06-22 (PCT/IB2022/055804) [87] (WO2022/269520) [30] US (63/213,389) 2021-06-22</p>	<p style="text-align: right;">[21] 3,223,428 [13] A1</p> <p>[51] Int.Cl. G16H 30/20 (2018.01) G16H 50/30 (2018.01) G16H 50/50 (2018.01) G16H 50/70 (2018.01) [25] EN [54] SYSTEMS AND METHODS FOR DETECTING MICROCALCIFICATION ACTIVITY [54] SYSTEMES ET PROCEDES POUR DETECTER UNE ACTIVITE DE MICROCALCIFICATION [72] DOYLE, BARRY JOSEPH, IE [72] KELSEY, LACHLAN JAMES, AU [71] NAVIER MEDICAL LTD, AU [85] 2023-12-19 [86] 2022-07-22 (PCT/AU2022/050779) [87] (WO2023/000039) [30] AU (2021902266) 2021-07-23</p>
		<p style="text-align: right;">[21] 3,223,440 [13] A1</p> <p>[51] Int.Cl. F04D 25/06 (2006.01) F04D 25/08 (2006.01) F04D 29/64 (2006.01) F04D 29/70 (2006.01) [25] EN [54] BLADE CONSTRUCTION STRUCTURE DE PALE [72] THOMSEN, DENNIS, DK [72] HERMANSEN, JESPER, DK [71] NORDICCO A/S, DK [85] 2023-12-19 [86] 2022-06-16 (PCT/DK2022/050130) [87] (WO2023/274473) [30] DK (PA 2021 70334) 2021-06-28</p>

Demandes PCT entrant en phase nationale

[21] **3,223,444**
[13] A1

[51] **Int.Cl. D21H 27/32 (2006.01)**
[25] EN
[54] **MULTIWALL PAPER PACKAGING STRUCTURES**
[54] **STRUCTURES D'EMBALLAGE PAPIER A PAROIS MULTIPLES**
[72] RECCHIA, RAYMOND J., US
[72] LEEKER, RUSSELL A., US
[72] SCHIERMEIER, BRIAN J., US
[72] TABATABAEI, SEYED HESAMODDIN, US
[72] TIEPELMAN, ROBERT M., US
[72] SENTER, DANIEL T., US
[71] PROAMPAC HOLDINGS INC., US
[85] 2023-12-19
[86] 2022-09-27 (PCT/US2022/044844)
[87] (WO2023/049496)
[30] US (63/248,753) 2021-09-27

[21] **3,223,446**
[13] A1

[51] **Int.Cl. H01M 8/1004 (2016.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING A MEMBRANE-ELECTRODE ASSEMBLY**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION D'UN ASSEMBLAGE MEMBRANE-ELECTRODES**
[72] HOCHMANN, SVEN, DE
[72] MUELLER, STEFAN, DE
[72] LEIBIGER, JOERG, DE
[71] MB ATECH GMBH, DE
[85] 2023-12-19
[86] 2022-06-24 (PCT/EP2022/067336)
[87] (WO2023/274871)
[30] DE (10 2021 117 083.4) 2021-07-02

[21] **3,223,447**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61P 25/16 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **NOVEL BIFUNCTIONAL HETEROCYCLIC COMPOUND HAVING BTK DEGRADATION FUNCTION VIA UBIQUITIN PROTEASOME PATHWAY, AND USE THEREOF**
[54] **NOUVEAU COMPOSE HETEROCYCLIQUE BIFONCTIONNEL AYANT UNE FONCTION DE DEGRADATION DE BTK PAR L'INTERMEDIAIRE D'UNE VOIE DE PROTEASOME D'UBIQUITINE, ET SON UTILISATION**
[72] KIM, PIL HO, KR
[72] CHO, SUNG YUN, KR
[72] HA, JAE DU, KR
[72] PARK, CHI HOON, KR
[72] HWANG, JONG YEON, KR
[72] KIM, HYUN JIN, KR
[72] LEE, SONG HEE, KR
[72] LIM, YE SEUL, KR
[72] KIM, HAN WOOL, KR
[72] YOO, SUN MI, KR
[72] SUH, BEOM SEON, KR
[72] PARK, JI YOUN, KR
[72] RYU, JE HO, KR
[72] AHN, JUNG MIN, KR
[72] MOON, HEE JUNG, KR
[72] LEE, HO HYUN, KR
[71] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
[71] UBIX THERAPEUTICS, INC., KR
[85] 2023-12-19
[86] 2022-06-24 (PCT/KR2022/009087)
[87] (WO2022/270994)
[30] KR (10-2021-0083326) 2021-06-25
[30] KR (10-2022-0077174) 2022-06-23

[21] **3,223,449**
[13] A1

[51] **Int.Cl. C23F 11/12 (2006.01)**
[25] EN
[54] **NONFERROUS METAL CORROSION INHIBITORS AND METHODS OF USING SAME**
[54] **INHIBITEURS DE CORROSION DE METAUX NON FERREUX ET LEURS PROCEDES D'UTILISATION**
[72] JOHNSON, DONALD A., US
[72] AN, JUN SU, US
[72] ARCEO, CHRIS, US
[72] GALICIA, DARLEN, US
[72] TAN, LOONGYI, US
[72] NGANTUNG, FREDERYK, US
[71] SOLUGEN, INC., US
[85] 2023-12-19
[86] 2022-06-24 (PCT/US2022/073146)
[87] (WO2022/272299)
[30] US (63/215,392) 2021-06-25
[30] US (63/228,567) 2021-08-02

[21] **3,223,451**
[13] A1

[51] **Int.Cl. B04B 5/04 (2006.01) B04B 11/04 (2006.01)**
[25] EN
[54] **MEDICAL-VETERINARY DEVICE FOR THE EXTRACTION AND CONTAINMENT OF BIOLOGICAL MATERIAL**
[54] **SYSTEME DESTINE AU TRAITEMENT DE MATERIEL BIOLOGIQUE**
[72] CANTERO BURGAZ, JOSE, ES
[71] CANTERO BURGAZ, SR. JOSE, ES
[85] 2023-12-19
[86] 2022-05-18 (PCT/ES2022/070306)
[87] (WO2022/269108)
[30] ES (P202130581) 2021-06-22

PCT Applications Entering the National Phase

[21] **3,223,453**
[13] A1

[25] EN
[54] **METHOD FOR ESTIMATING THE BIOMASS OF HAIRY ROOTS IN A MULTI-PHASIC CULTURE**
[54] **PROCEDE D'ESTIMATION DE LA BIOMASSE DE CHEVELUS RACINAIRES DANS UNE CULTURE MULTIPHASIQUE**
[72] CARDON, FLORIAN, FR
[72] LEMASSON, CAMILLE, FR
[72] GUILLET, MARINA, FR
[71] SAMABRIVA, FR
[85] 2023-12-19
[86] 2022-06-22 (PCT/EP2022/067056)
[87] (WO2022/268901)
[30] EP (21305854.8) 2021-06-22

[21] **3,223,454**
[13] A1

[51] **Int.Cl. H01M 4/80 (2006.01) H01M 10/38 (2006.01) H01M 12/02 (2006.01) H01M 12/08 (2006.01)**
[25] EN
[54] **ELECTRODE FOR METAL HYDROGEN BATTERY AND METHOD FOR MANUFACTURING SAME**
[54] **ELECTRODE POUR BATTERIE METAL-HYDROGENE ET SON PROCEDE DE FABRICATION**
[72] ZU, GE, US
[72] WU, YINGYING, US
[72] ZHU, JINGYI, US
[72] KENNEY, MICHAEL J., US
[72] KESHAVARZ, MAJID, US
[71] ENERVENUE INC., US
[85] 2023-12-19
[86] 2022-06-24 (PCT/US2022/034868)
[87] (WO2022/272041)
[30] US (63/214,514) 2021-06-24
[30] US (17/847,591) 2022-06-23

[21] **3,223,456**
[13] A1

[51] **Int.Cl. B65G 27/16 (2006.01) B65G 27/20 (2006.01) B65G 65/14 (2006.01) B65G 65/42 (2006.01) B65G 65/44 (2006.01) B65G 67/60 (2006.01)**
[25] EN
[54] **STORAGE AND RECLAIM SYSTEM FOR BULK MATERIAL**
[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION POUR MATERIAU EN VRAC**
[72] WALLIN, TOMAS, SE
[71] MACGREGOR SWEDEN AB, SE
[85] 2023-12-19
[86] 2022-06-03 (PCT/EP2022/065228)
[87] (WO2022/268485)
[30] EP (21180543.7) 2021-06-21

[21] **3,223,457**
[13] A1

[51] **Int.Cl. H01L 29/16 (2006.01) G01N 27/414 (2006.01)**
[25] EN
[54] **METHODS OF FABRICATING A MULTIANALYTE DETECTION DEVICE AND DEVICES THEREOF**
[54] **PROCEDES DE FABRICATION D'UN DISPOSITIF DE DETECTION MULTI-ANALYTE ET DISPOSITIFS ASSOCIES**
[72] BURCH, KENNETH S., US
[72] KUMAR, NARENDRA, US
[72] GEIWITZ, MICHAEL, US
[72] CATALANO, MATTHEW, US
[71] THE TRUSTEES OF BOSTON COLLEGE, US
[85] 2023-12-19
[86] 2022-06-28 (PCT/US2022/073201)
[87] (WO2023/149966)
[30] US (63/216,039) 2021-06-29

[21] **3,223,458**
[13] A1

[51] **Int.Cl. A01N 63/27 (2020.01) C12N 11/14 (2006.01)**
[25] EN
[54] **DRIED BIOLOGICAL COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSITIONS BIOLOGIQUES DESHYDRATEES ET PROCEDES ASSOCIES**
[72] DERNEDDE, MATHIAS, DE
[72] BRAUN, MAX, DE
[72] SCHMIDT, HARALD, DE
[72] LEICK, SABINE, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2023-12-19
[86] 2022-08-17 (PCT/EP2022/072888)
[87] (WO2023/025624)
[30] EP (21193146.4) 2021-08-26

[21] **3,223,459**
[13] A1

[51] **Int.Cl. A61P 31/04 (2006.01) C07D 491/107 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS AND THEIR USE**
[54] **NOUVEAUX COMPOSES ET LEUR UTILISATION**
[72] GERUSZ, VINCENT, FR
[72] FINN, TERRY, CH
[72] PAULS, HEINZ, CA
[72] BERMAN, JUDD, US
[72] BRAVO, JUAN, CH
[71] DEBIOPHARM INTERNATIONAL S.A., CH
[85] 2023-12-19
[86] 2022-06-22 (PCT/EP2022/067039)
[87] (WO2022/268890)
[30] EP (21181117.9) 2021-06-23

Demandes PCT entrant en phase nationale

[21] **3,223,460**
[13] A1

[51] **Int.Cl. A24B 15/30 (2006.01)**
[25] EN
[54] **ORAL PRODUCT TABLET AND METHOD OF MANUFACTURE**
[54] **COMPRIME DE PRODUIT ORAL ET PROCEDE DE FABRICATION**
[72] HUTCHENS, RONALD K., US
[72] HOLTON, JR. DARRELL EUGENE, GB
[72] MUA, JOHN PAUL, GB
[72] MONSALUD, LUIS, GB
[72] ST. CHARLES, FRANK KELLEY, GB
[72] ALDERMAN, STEVEN LEE, GB
[72] LAMPE, MATTHEW, GB
[72] DEBUSK, SAMUEL MARK, GB
[72] MARSHALL, JERRY WAYNE (DECEASED), XX
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-12-19
[86] 2022-06-20 (PCT/IB2022/055728)
[87] (WO2022/269475)
[30] US (63/212,854) 2021-06-21

[21] **3,223,462**
[13] A1

[25] EN
[54] **APPARATUS FOR COLLECTION OF FLUID SAMPLES**
[54] **APPAREIL POUR LA COLLECTE D'ECHANTILLONS DE FLUIDE**
[72] PENINGER, DIANA, US
[71] RSI TECHNOLOGY GROUP, LLC, US
[85] 2023-12-19
[86] 2022-06-30 (PCT/US2022/035784)
[87] (WO2023/278742)

[21] **3,223,463**
[13] A1

[51] **Int.Cl. A61K 47/69 (2017.01)**
[25] EN
[54] **METHODS AND MATERIALS FOR TREATING CANCER**
[54] **PROCEDES ET MATERIAUX POUR LE TRAITEMENT DU CANCER**
[72] KOKKOLI, EFROSINI, US
[72] SCHNEIDERMAN, ZACHARY, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2023-12-19
[86] 2022-06-23 (PCT/US2022/034697)
[87] (WO2022/271932)
[30] US (63/214,056) 2021-06-23

[21] **3,223,467**
[13] A1

[51] **Int.Cl. C07D 241/02 (2006.01)**
[25] EN
[54] **COMBINATION TREATMENTS IN PATIENTS WITH ADVANCED AND/OR METASTATIC TROP-2 OVEREXPRESSED CANCERS**
[54] **POLYTHEAPIES CHEZ DES PATIENTS ATTEINTS DE CANCERS SUREXPRIMES TROP-2 AVANCES ET/OU METASTASIQUES**
[72] BEELEN, ANDREW, US
[72] MALIK, RAJESH KUMAR, US
[72] YI, JOHN SEUNG-HOON, US
[72] WOLFGANG, CURT DOUGLAS, US
[71] G1 THERAPEUTICS, INC., US
[85] 2023-12-19
[86] 2022-07-01 (PCT/US2022/035995)
[87] (WO2023/278860)
[30] US (63/217,716) 2021-07-01

[21] **3,223,469**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **MUD-GAS ANALYSIS FOR MATURE RESERVOIRS**
[54] **ANALYSE DE GAZ-BOUE POUR RESERVOIRS MATURES**
[72] YANG, TAO, NO
[72] ULEBERG, KNUT, NO
[72] CHENG, NAN, NO
[72] YERKINKYZY, GULNAR, NO
[71] EQUINOR ENERGY AS, NO
[85] 2023-12-19
[86] 2022-06-29 (PCT/NO2022/050155)
[87] (WO2023/277698)
[30] GB (2109466.9) 2021-06-30

[21] **3,223,471**
[13] A1

[25] EN
[54] **METHOD OF CHARACTERIZING THE BINDING CHARACTERISTICS BETWEEN A PEPTIDE OF INTEREST AND MHC MOLECULES**
[54] **PROCEDE DE CARACTERISATION DES CARACTERISTIQUES DE LIAISON ENTRE UN PEPTIDE D'INTERET ET DES MOLECULES DU COMPLEXE MAJEUR D'HISTOCOMPATIBILITE**
[72] SCHRADER, CHRISTOPH, DE
[72] SCHUSTER, HEIKO, DE
[72] FREUDENMANN, LENA, DE
[72] GOLDFINGER, VALENTINA, DE
[72] KOWALEWSKI, DANIEL, DE
[72] YOUSEF, SARA, DE
[72] MANZ, TIMO, DE
[72] MIJOSEK, VEDRANA, DE
[72] ROMER, MICHAEL, DE
[72] WEINSCHENK, TONI, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
[85] 2023-12-19
[86] 2022-06-28 (PCT/EP2022/067687)
[87] (WO2023/275023)
[30] EP (21182155.8) 2021-06-28
[30] US (63/215,658) 2021-06-28

[21] **3,223,473**
[13] A1

[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **USER REMOVABLE FILL CLOSURE TAB WITH INTEGRATED MEMBRANE**
[54] **LANGUETTE DE FERMETURE-REMPLEISSAGE DEPLACABLE PAR L'UTILISATEUR AVEC MEMBRANE INTEGREE**
[72] KUNAPARAJU, NITISH KUMAR VARMA, US
[72] SEGIT, ALEXANDER JOHN, US
[72] PIZZOCHERO, ALESSANDRO E., US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2023-12-19
[86] 2022-06-23 (PCT/US2022/034725)
[87] (WO2022/271950)
[30] US (63/214,550) 2021-06-24

PCT Applications Entering the National Phase

[21] **3,223,474**
[13] A1

[25] EN
[54] **SELECTION OF UNMANNED AERIAL VEHICLES FOR CARRYING ITEMS TO TARGET LOCATIONS**
[54] **SELECTION DE VEHICULES AERIENS SANS PILOTE POUR TRANSPORTER DES ARTICLES JUSQU'A DES EMPLACEMENTS CIBLES**
[72] FERGUSON, JEROME, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2023-12-19
[86] 2022-06-03 (PCT/US2022/032160)
[87] (WO2023/287515)
[30] US (17/374,137) 2021-07-13

[21] **3,223,475**
[13] A1

[51] **Int.Cl. C07D 491/147 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **NOVEL BENZOPYRAN DERIVATIVE AND USE THEREOF**
[54] **NOUVEAU DERIVE DE BENZOPYRANE ET SON UTILISATION**
[72] AHN, SUNG OH, KR
[72] PARK, BYUNG SUN, KR
[72] LIM, TAE IL, KR
[72] SEO, JI SOO, KR
[72] KIM, HYEON JI, KR
[72] JUNG, NA JIN, KR
[72] KIM, HYU YOUNG, KR
[72] GIL, KI CHEOL, KR
[72] LEE, HYEON JU, KR
[71] SPARK BIOPHARMA, INC, KR
[85] 2023-12-19
[86] 2022-07-01 (PCT/KR2022/009541)
[87] (WO2023/277656)
[30] KR (10-2021-0086949) 2021-07-02

[21] **3,223,476**
[13] A1

[51] **Int.Cl. B60T 17/04 (2006.01)**
[25] FR
[54] **SEALING RING WITH LOCKING AGAINST TRANSLATIONAL MOVEMENT**
[54] **BAGUE D'ETANCHEITE AVEC BLOCAGE EN TRANSLATION**
[72] ADAMCZAK, LOIC, FR
[72] MAISTRE, ADRIEN, FR
[72] BONNAUD, PASCAL, FR
[71] TALLANO TECHNOLOGIES, FR
[85] 2023-12-19
[86] 2022-06-28 (PCT/EP2022/067685)
[87] (WO2023/285129)
[30] FR (FR2107699) 2021-07-16

[21] **3,223,477**
[13] A1

[51] **Int.Cl. C22B 26/12 (2006.01)**
[25] EN
[54] **PROCESS**
[54] **PROCEDE**
[72] SHARRATT, ANDREW, GB
[72] BROOKS, JAMIE, GB
[71] MEXICHEM FLUOR S.A. DE C.V., MX
[85] 2023-12-19
[86] 2022-07-20 (PCT/GB2022/051874)
[87] (WO2023/002180)
[30] GB (2110568.9) 2021-07-22

[21] **3,223,478**
[13] A1

[25] EN
[54] **USE OF LUTETIUM SALT COMPOUNDS FOR ANTIVIRAL EFFECT**
[54] **UTILISATION DE COMPOSES DE SEL DE LUTETIUM POUR UN EFFET ANTIVIRAL**
[72] SAHIN, FIKRETTIN, TR
[72] DEMIR, SEVDA, TR
[71] SAHIN, FIKRETTIN, TR
[71] DEMIR, SEVDA, TR
[85] 2023-12-19
[86] 2022-06-13 (PCT/TR2022/050581)
[87] (3223478)

[21] **3,223,479**
[13] A1

[51] **Int.Cl. A01H 5/08 (2018.01) A01H 6/82 (2018.01) A01H 5/10 (2018.01)**
[25] EN
[54] **MODIFIED TOMATO PLANTS WITH EXTENDED SHELF LIFE**
[54] **PLANTS DE TOMATE MODIFIEES A DUREE DE CONSERVATION PROLONGEE**
[72] BAYER, TRAVIS, US
[72] SAMSON, JENNIFER, US
[72] DAVIDSON, ERIC, US
[72] GONZALES, SHANEECE, US
[72] COLICCHIO, JACK, US
[72] SREENLON, ALEX, US
[71] SOUND AGRICULTURE COMPANY, US
[85] 2023-12-19
[86] 2022-07-01 (PCT/US2022/073384)
[87] (WO2023/279104)
[30] US (63/218,225) 2021-07-02

[21] **3,223,480**
[13] A1

[51] **Int.Cl. A47J 37/04 (2006.01) A47J 37/07 (2006.01)**
[25] EN
[54] **TRANSVERSELY-LOADABLE ROTISSERIE BASKETS FOR GRILLS**
[54] **PANIERES DE TOURNEBROCHE A CHARGEMENT TRANSVERSAL POUR ROTISSERIES**
[72] HYDE, CHRISTIAN, US
[72] RAMIREZ, DANIEL, US
[72] FARMER, ROBERT, US
[72] SIAZON, ROMUALDO SONNY, US
[72] DONNELLY, BRIAN C., US
[72] MCVEY, CASSANDRA A.S., US
[72] CERNY, SHANNON ELLA, US
[72] STOHL, MICHELLE, US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2023-12-19
[86] 2022-06-16 (PCT/US2022/033791)
[87] (WO2023/014440)
[30] US (63/203,925) 2021-08-04
[30] US (17/834,715) 2022-06-07

Demandes PCT entrant en phase nationale

[21] 3,223,481 [13] A1	[21] 3,223,483 [13] A1	[21] 3,223,485 [13] A1
<p>[51] Int.Cl. B42D 25/324 (2014.01) B42D 25/328 (2014.01)</p> <p>[25] EN</p> <p>[54] OPTICALLY VARIABLE SECURITY ELEMENT, AND VALUE DOCUMENT CONTAINING THE OPTICALLY VARIABLE SECURITY ELEMENT</p> <p>[54] ELEMENT DE SECURITE OPTIQUEMENT VARIABLE, ET DOCUMENT DE VALEUR CONTENANT L'ELEMENT DE SECURITE OPTIQUEMENT VARIABLE</p> <p>[72] HOFER, MORITZ, DE</p> <p>[72] STOCKL, CHRISTIAN, DE</p> <p>[72] BLAZEK, MATTHIAS, DE</p> <p>[72] FUHSE, CHRISTIAN, DE</p> <p>[72] RAHM, MICHAEL, DE</p> <p>[71] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH, DE</p> <p>[85] 2023-12-19</p> <p>[86] 2022-05-24 (PCT/EP2022/025241)</p> <p>[87] (WO2022/268357)</p> <p>[30] DE (10 2021 003 185.7) 2021-06-21</p>	<p>[51] Int.Cl. A61K 35/12 (2015.01) A61L 27/20 (2006.01) A61L 27/34 (2006.01) A61L 27/38 (2006.01) A61L 27/44 (2006.01) A61L 27/50 (2006.01)</p> <p>[25] EN</p> <p>[54] NOVEL POLYMER-COATED CROSSLINKED ALGINATE GEL FIBER</p> <p>[54] NOUVELLE FIBRE DE GEL D'ALGINATE RETICULEE REVETUE DE POLYMERE</p> <p>[72] FURUSAKO, SHOJI, JP</p> <p>[72] SATOH, TSUTOMU, JP</p> <p>[72] NARUMI, TOMOHIRO, JP</p> <p>[72] SATO, SHINGO, JP</p> <p>[71] MOCHIDA PHARMACEUTICAL CO., LTD., JP</p> <p>[85] 2023-12-19</p> <p>[86] 2022-06-22 (PCT/JP2022/024935)</p> <p>[87] (WO2022/270549)</p> <p>[30] JP (2021-104094) 2021-06-23</p> <p>[30] JP (PCT/JP2021/048567) 2021-12-27</p>	<p>[25] EN</p> <p>[54] RETAINING DEVICE AND WEAR ELEMENT FOR EXCAVATORS AND THE LIKE</p> <p>[54] DISPOSITIF DE RETENUE ET ELEMENT D'USURE POUR EXCAVATEURS ET ENGIN SIMILAIRES</p> <p>[72] CARBALLO VILLAZALA, RUBEN, ES</p> <p>[72] GONZALEZ POLO, ADRIAN, ES</p> <p>[72] SANCHEZ GUIADO, FERMIN, ES</p> <p>[72] TORRES MONTALVO, RAUL, ES</p> <p>[71] METALOGENIA RESEARCH & TECHNOLOGIES S.L., ES</p> <p>[85] 2023-12-19</p> <p>[86] 2022-07-07 (PCT/EP2022/068929)</p> <p>[87] (WO2023/280986)</p> <p>[30] EP (21382611.8) 2021-07-07</p>
[21] 3,223,482 [13] A1	[21] 3,223,484 [13] A1	[21] 3,223,487 [13] A1
<p>[51] Int.Cl. A47J 37/04 (2006.01) A47J 37/07 (2006.01)</p> <p>[25] EN</p> <p>[54] TRANSVERSELY-LOADABLE ROTISSERIE SKEWER RACKS FOR GRILLS</p> <p>[54] CHASSIS DE BROCHES DE TOURNEBROCHE A CHARGEMENT TRANSVERSAL POUR GRILS</p> <p>[72] HYDE, CHRISTIAN, US</p> <p>[72] RAMIREZ, DANIEL, US</p> <p>[72] FARMER, ROBERT, US</p> <p>[72] SIAZON, ROMUALDO SONNY, US</p> <p>[72] DONNELLY, BRIAN C., US</p> <p>[72] MCVEY, CASSANDRA A.S., US</p> <p>[72] CERNY, SHANNON ELLA, US</p> <p>[72] STOHL, MICHELLE, US</p> <p>[71] WEBER-STEPHEN PRODUCTS LLC, US</p> <p>[85] 2023-12-19</p> <p>[86] 2022-06-16 (PCT/US2022/033789)</p> <p>[87] (WO2023/014439)</p> <p>[30] US (63/203,924) 2021-08-04</p> <p>[30] US (17/834,718) 2022-06-07</p>	<p>[51] Int.Cl. C21C 5/52 (2006.01) C21C 5/54 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR FORMING A FOAMY SLAG IN AN ELECTRIC ARC FURNACE</p> <p>[54] PROCEDE DE FORMATION D'UN LAITIER MOUSSEUX DANS UN FOUR A ARC ELECTRIQUE</p> <p>[72] OREFICI, LUCA, IT</p> <p>[72] MAPELLI, CARLO, IT</p> <p>[71] PIPEX ENERGY S.R.L., IT</p> <p>[85] 2023-12-19</p> <p>[86] 2022-06-30 (PCT/IB2022/056111)</p> <p>[87] (WO2023/275817)</p> <p>[30] IT (102021000017366) 2021-07-01</p>	<p>[51] Int.Cl. G01R 31/14 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTIPARAMETER NONINVASIVE ARCHING DISCHARGE ANOMALY MONITORING DEVICE AND METHOD</p> <p>[54] DISPOSITIF ET PROCEDE DE SURVEILLANCE MULTIPARAMETRIQUES ET NON INVASIFS D'ANOMALIE DE DECHARGE EN ARC</p> <p>[72] LARKIN, MAEBH, IE</p> <p>[72] NOLAN, KEITH, IE</p> <p>[72] GARY JR., WYNDHAM FAIRCHILD, US</p> <p>[72] VESPOLI, ANTONINO, IE</p> <p>[71] EATON INTELLIGENT POWER LIMITED, IE</p> <p>[85] 2023-12-19</p> <p>[86] 2022-06-29 (PCT/EP2022/025297)</p> <p>[87] (WO2023/274581)</p> <p>[30] US (63/216,353) 2021-06-29</p>

PCT Applications Entering the National Phase

[21] **3,223,488**
[13] A1

[25] EN
[54] **METHODS FOR DIAGNOSING A CANCER- OR ANTIBIOTICS-INDUCED DYSBIOSIS AND THEIR USE FOR IMPROVING CANCER TREATMENT BY IMMUNOTHERAPY**
[54] **METHODES DE DIAGNOSTIC D'UNE DYSBIOSE INDUITE PAR UN CANCER OU DES ANTIBIOTIQUES ET LEUR UTILISATION POUR AMELIORER LE TRAITEMENT DU CANCER PAR IMMUNOTHERAPIE**
[72] FIDELLE, MARINE, FR
[72] ZITVOGEL, LAURENCE, FR
[72] DAILLIERE, ROMAIN, FR
[72] RAUBER, CONRAD, DE
[71] INSTITUT GUSTAVE-ROUSSY, FR
[71] EVERIMMUNE, FR
[71] UNIVERSITE PARIS-SACLAY, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2023-12-19
[86] 2022-06-21 (PCT/EP2022/066929)
[87] (WO2022/268841)
[30] EP (21305846.4) 2021-06-21
[30] EP (21306817.4) 2021-12-16

[21] **3,223,489**
[13] A1

[25] EN
[54] **HANDLE FOR BOXES**
[54] **POIGNEE POUR BOITES**
[72] NORDGREN, KRISTIAN, SE
[71] PERSSON INNOVATION AB, SE
[85] 2023-12-19
[86] 2021-07-02 (PCT/EP2021/068382)
[87] (WO2023/274560)

[21] **3,223,491**
[13] A1

[51] **Int.Cl. A24D 1/20 (2020.01) A24D 3/06 (2006.01)**
[25] FR
[54] **FLAVORED CORE-SHELL CAPSULES FILM-COATED WITH POLYVINYLIDENE CHLORIDE**
[54] **CAPSULES COEUR-COQUE AROMATISEES PELLICULEES AVEC DU POLYCHLORURE DE VINYLIDENE**
[72] GAUDIN, LUC, FR
[71] V. MANE FILS, FR
[85] 2023-12-19
[86] 2022-07-08 (PCT/FR2022/051375)
[87] (WO2023/281230)
[30] FR (2107521) 2021-07-09

[21] **3,223,492**
[13] A1

[51] **Int.Cl. E04H 4/10 (2006.01) A63C 19/12 (2006.01)**
[25] FR
[54] **COMPACT DEVICE FOR COVERING A SURFACE COMPRISING TWO AXLES FOR DEPLOYING AND REMOVING THE COVER**
[54] **DISPOSITIF COMPACT DE COUVERTURE D'UNE SURFACE COMPRENANT DEUX ESSIEUX POUR LE DEPLOIEMENT ET LE RETRAIT DE LA COUVERTURE**
[72] COENRAETS, BENOIT, BE
[71] BECOFLEX, BE
[85] 2023-12-19
[86] 2022-06-14 (PCT/EP2022/066212)
[87] (WO2023/011789)
[30] BE (20215619) 2021-08-03

[21] **3,223,493**
[13] A1

[25] EN
[54] **LEAK DETECTION SYSTEM FOR VEHICLE BATTERY ENVIRONMENT AND RELATED METHODOLOGY**
[54] **SYSTEME DE DETECTION DE FUITE D'ENVIRONNEMENT DE BATTERIE DE VEHICULE ET METHODOLOGIE ASSOCIEE**
[72] PARKER, MELISSA ALEX, US
[71] REDLINE DETECTION, LLC, US
[85] 2023-12-19
[86] 2022-06-20 (PCT/US2022/034179)
[87] (WO2022/271599)
[30] US (63/215,178) 2021-06-25
[30] US (63/330,022) 2022-04-12
[30] US (17/843,388) 2022-06-17

[21] **3,223,494**
[13] A1

[51] **Int.Cl. F02D 19/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PRESSURIZING AND SUPPLYING GASEOUS FUEL TO AN INTERNAL COMBUSTION ENGINE**
[54] **APPAREIL ET PROCEDE DE MISE SOUS PRESSION ET D'ALIMENTATION EN COMBUSTIBLE GAZEUX D'UN MOTEUR A COMBUSTION INTERNE**
[72] SINGH, ASHISH, CA
[72] GARNER, GAGE D., CA
[71] WESTPORT FUEL SYSTEMS CANADA INC., CA
[85] 2023-12-19
[86] 2022-06-23 (PCT/CA2022/051015)
[87] (WO2022/266769)
[30] US (63/214,162) 2021-06-23

Demandes PCT entrant en phase nationale

[21] **3,223,495**
[13] A1

[51] **Int.Cl. C12Q 1/6876 (2018.01)**
[25] EN
[54] **THERAPEUTIC NUCLEIC ACIDS AND METHODS OF USE THEREOF**
[54] **ACIDES NUCLEIQUES THERAPEUTIQUES ET LEURS METHODES D'UTILISATION**
[72] MARBAN, EDUARDO, US
[72] IBRAHIM, AHMED G., US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2023-12-19
[86] 2022-06-30 (PCT/US2022/035866)
[87] (WO2023/278799)
[30] US (63/202,970) 2021-07-01

[21] **3,223,496**
[13] A1

[51] **Int.Cl. B01F 35/53 (2022.01) B01D 21/34 (2006.01) B01F 35/71 (2022.01) B01D 21/32 (2006.01)**
[25] EN
[54] **RADIAL INFLOW DIFFUSER FOR CLARIFIER**
[54] **DIFFUSEUR D'ECOULEMENT ENTRANT RADIAL POUR CLARIFICATEUR**
[72] RIFFE, MICHAEL R., US
[72] MUTHUSAMY, PALANIVEL, IN
[72] BASHEER, UMAR, IN
[72] PERUMAL, PRATHEESH P., IN
[72] YAMA, TULASIRAM, IN
[72] RAMESH, SHARATH, IN
[72] SAMPATH, VISWANATHAN, IN
[72] MANOHARAN, SUTHAHAR, IN
[72] MEARS, RAYMUND E., US
[72] KOCOL, THEODORE, US
[72] HERBST, JOSEPH A., US
[72] RAJENDRAN, GOPINATH, IN
[72] GOODWIN, JAMES R., GB
[72] CROFTON, TIMOTHY S., GB
[72] CROWTHER, ANDREW M., GB
[72] LAMBERT, STEVEN R., GB
[71] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2023-12-19
[86] 2022-08-04 (PCT/US2022/039408)
[87] (WO2023/014874)
[30] US (63/229,154) 2021-08-04
[30] US (63/354,277) 2022-06-22

[21] **3,223,497**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) C12Q 1/6825 (2018.01) B05D 3/00 (2006.01) G01N 1/02 (2006.01) G01N 27/28 (2006.01) G01N 27/327 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **AN ANALYTE DETECTION SYSTEM CARTRIDGE WITH IMPROVED PHASE CHANGEABLE VALVES**
[54] **CARTOUCHE DE SYSTEME DE DETECTION D'ANALYTE DOTEE DE SOUPAPES A CHANGEMENT DE PHASE AMELIORE**
[72] VENZ, STEVEN MICHAEL, US
[72] SEVER, CLINTON, US
[71] CUE HEALTH INC., US
[85] 2023-12-19
[86] 2021-07-30 (PCT/US2021/044056)
[87] (WO2023/009145)

[21] **3,223,498**
[13] A1

[51] **Int.Cl. A62B 35/04 (2006.01)**
[25] EN
[54] **CABLE SLEEVE**
[54] **MANCHON DE CABLE**
[72] FABER, WARREN L, US
[71] CHECKMATE LIFTING & SAFETY LTD, GB
[85] 2023-12-19
[86] 2022-11-17 (PCT/GB2022/052922)
[87] (WO2023/089322)
[30] US (63/281,245) 2021-11-19
[30] US (17/981,794) 2022-11-07

[21] **3,223,499**
[13] A1

[51] **Int.Cl. H04R 1/40 (2006.01) H04R 3/00 (2006.01) H04R 5/027 (2006.01)**
[25] EN
[54] **ACOUSTIC MICROPHONE ARRAYS**
[54] **RESEAUX DE MICROPHONES ACOUSTIQUES**
[72] NIGHMAN, CHRISTOPHER CHARLES, US
[72] ROSENBOOM, GERRIT EIMBERTUS, US
[72] GREENE, MAURICIO, US
[72] AGUILAR, ALFREDO MARTIN, US
[71] QSC, LLC, US
[85] 2023-12-19
[86] 2022-08-03 (PCT/US2022/074485)
[87] (WO2023/015218)
[30] US (17/396,495) 2021-08-06

[21] **3,223,500**
[13] A1

[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6834 (2018.01) C12Q 1/6816 (2018.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR COMBINATORIAL INDEXING OF BEAD-BASED NUCLEIC ACIDS**
[54] **PROCEDES ET COMPOSITIONS POUR L'INDEXATION COMBINATOIRE D'ACIDES NUCLEIQUES A BASE DE BILLES**
[72] MANZO, ANDREA, US
[72] BROWN, COLIN, US
[72] NORBERG, STEVEN, US
[72] HARRINGTON, TIMOTHY, US
[71] ILLUMINA, INC., US
[85] 2023-12-19
[86] 2022-06-23 (PCT/US2022/034734)
[87] (WO2022/271954)
[30] US (63/214,693) 2021-06-24

[21] **3,223,501**
[13] A1

[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6855 (2018.01) C12P 19/34 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DETECTING GENOMIC METHYLATION**
[54] **PROCEDES ET COMPOSITIONS DE DETECTION DE METHYLATION GENOMIQUE**
[72] DESANTIS, GRACE, US
[72] KENNEDY, ANDREW, US
[72] STEEMERS, FRANK J., US
[71] ILLUMINA, INC., US
[85] 2023-12-19
[86] 2022-08-23 (PCT/US2022/075327)
[87] (WO2023/028478)
[30] US (63/237,297) 2021-08-26

PCT Applications Entering the National Phase

[21] **3,223,502**
[13] A1

[51] **Int.Cl. G01N 27/26 (2006.01)**
[25] EN
[54] **MICRO BIOSENSOR AND SENSING STRUCTURE THEREOF**
[54] **BIOCAPTEUR MINIATURISE ET SA STRUCTURE DE DETECTION**
[72] HUANG, CHUN-MU, CN
[72] CHEN, CHIEH-HSING, CN
[72] CHEN, PI-HSUAN, CN
[72] CHEN, CHI-HAO, CN
[72] CHANG, HENG-CHIA, CN
[71] BIONIME CORPORATION, CN
[85] 2023-12-19
[86] 2022-07-22 (PCT/CN2022/107409)
[87] (WO2023/001292)
[30] US (63/224,736) 2021-07-22

[21] **3,223,503**
[13] A1

[51] **Int.Cl. H04N 19/70 (2014.01) H04N 19/119 (2014.01) H04N 19/124 (2014.01) H04N 19/174 (2014.01) H04N 19/176 (2014.01) H04N 19/44 (2014.01) H04N 19/60 (2014.01)**
[25] EN
[54] **RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING**
[54] **CODAGE DE RESIDU ET DE COEFFICIENTS POUR UN CODAGE VIDEO**
[72] JHU, HONG-JHENG, US
[72] XIU, XIAOYU, US
[72] CHEN, YI-WEN, US
[72] CHEN, WEI, US
[72] KUO, CHE-WEI, US
[72] YAN, NING, US
[72] WANG, XIANGLIN, US
[72] YU, BING, CN
[71] BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2023-12-19
[86] 2022-06-28 (PCT/US2022/035391)
[87] (WO2023/278494)
[30] US (63/215,961) 2021-06-28

[21] **3,223,504**
[13] A1

[51] **Int.Cl. G06N 3/12 (2023.01) G06N 20/20 (2019.01) G16B 20/00 (2019.01)**
[25] EN
[54] **TCR-REPertoire FRAMEWORK FOR MULTIPLE DISEASE DIAGNOSIS**
[54] **STRUCTURE DE REPERTOIRE DE TCR DE DIAGNOSTIC DE MULTIPLES MALADIES**
[72] LI, BO, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-12-19
[86] 2022-06-17 (PCT/US2022/034068)
[87] (WO2022/271566)
[30] US (63/202,716) 2021-06-22

[21] **3,223,505**
[13] A1

[51] **Int.Cl. C12Q 1/6874 (2018.01)**
[25] EN
[54] **CHEMICAL PLANAR ARRAY**
[54] **RESEAU PLANAIRE CHIMIQUE**
[72] MEI, ZHONG, US
[72] RAMANITHARAPANDIAN, ADITHYA, SG
[72] LUO, ZHONGHUAN, US
[72] HAN, HUI, US
[71] ILLUMINA, INC., US
[85] 2023-12-19
[86] 2023-03-21 (PCT/US2023/015803)
[87] (WO2023/183325)
[30] US (63/322,556) 2022-03-22

[21] **3,223,506**
[13] A1

[51] **Int.Cl. A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TAU REDUCTION GENE THERAPY**
[54] **METHODES ET COMPOSITIONS POUR UNE THERAPIE GENIQUE DE REDUCTION DE LA PROTEINE TAU**
[72] BAILEY, RACHEL M., US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2023-12-19
[86] 2022-06-27 (PCT/US2022/035091)
[87] (WO2023/278305)
[30] US (63/215,833) 2021-06-28
[30] US (63/342,240) 2022-05-16
[30] US (63/267,440) 2022-02-02

[21] **3,223,507**
[13] A1

[51] **Int.Cl. H05B 3/26 (2006.01)**
[25] EN
[54] **PLASTERBOARD LOOKALIKE BUILDING PANEL RADIANT HEATER**
[54] **APPAREIL DE CHAUFFAGE PAR RAYONNEMENT A PANNEAU DE CONSTRUCTION SEMBLABLE A UNE PLAQUE DE PLATRE**
[72] SAJIC, PETER, GB
[71] LAMINAHEAT HOLDING LTD., IE
[85] 2023-12-19
[86] 2022-06-28 (PCT/EP2022/067702)
[87] (WO2023/275034)
[30] US (17/360,380) 2021-06-28

[21] **3,223,508**
[13] A1

[51] **Int.Cl. G16H 30/40 (2018.01) G06V 10/25 (2022.01) G06V 10/44 (2022.01) G06V 10/82 (2022.01) G06N 3/08 (2023.01) G06V 10/764 (2022.01) G10L 15/06 (2013.01) G10L 15/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING MEDICAL IMAGES IN REAL TIME**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'IMAGES MEDICALES EN TEMPS REEL**
[72] AZAD, AZAR, CA
[72] XIONG, BO, CA
[72] ARMSTRONG, DAVID, CA
[72] FANG, QIYIN, CA
[72] FLEET, DAVID, CA
[72] LIVNE, MICHA, CA
[71] A.I. VALI INC., CA
[85] 2023-12-19
[86] 2022-07-04 (PCT/CA2022/051054)
[87] (WO2023/279199)
[30] US (63/218,357) 2021-07-04

Demandes PCT entrant en phase nationale

[21] **3,223,509**
[13] A1

[25] EN
[54] **METHOD FOR OPERATING A REFRIGERATED VEHICLE, AND REFRIGERATED VEHICLE**
[54] **PROCEDE DE FONCTIONNEMENT D'UN VEHICULE REFRIGERE, ET VEHICULE REFRIGERE**
[72] CLAEYS, JEAN-CLAUDE, BE
[71] MESSER SE & CO. KGAA, DE
[85] 2023-12-19
[86] 2022-06-24 (PCT/EP2022/067459)
[87] (WO2022/269090)
[30] DE (10 2021 003 305.1) 2021-06-25

[21] **3,223,510**
[13] A1

[25] EN
[54] **REAGENT CARTRIDGES AND RELATED SYSTEMS AND METHODS**
[54] **CARTOUCHES DE REACTIF ET SYSTEMES ET PROCEDES ASSOCIES**
[72] OSMUS, JAMES, US
[72] YU, HAO, SG
[72] WEI, SHIH-CHUNG, SG
[72] KOH, JIAN EN, US
[71] ILLUMINA, INC., US
[85] 2023-12-19
[86] 2023-03-17 (PCT/US2023/015515)
[87] (WO2023/177876)
[30] US (63/321,362) 2022-03-18

[21] **3,223,511**
[13] A1

[51] **Int.Cl. A63B 21/072 (2006.01)**
[25] EN
[54] **WEIGHT DEVICE WITH HANDLE AND MANUFACTURING METHOD THEREOF**
[54] **DISPOSITIF DE POIDS AVEC POIGNEE ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] MONTANARI, GIOVANNI, IT
[71] TRIAL S.R.L., IT
[85] 2023-12-19
[86] 2022-06-20 (PCT/EP2022/066683)
[87] (WO2022/268686)
[30] IT (102021000016223) 2021-06-21

[21] **3,223,512**
[13] A1

[51] **Int.Cl. A45B 23/00 (2006.01) A45B 25/02 (2006.01)**
[25] EN
[54] **SUNSHADE UMBRELLA**
[54] **PARASOL**
[72] DARTWICK, MARTIN JAMES, CN
[72] YUAN, CHUNLIANG, CN
[72] YANG, SHENGYONG, CN
[71] WITH-U E-COMMERCE (SHANGHAI) CO., LTD., CN
[85] 2023-12-19
[86] 2022-12-29 (PCT/CN2022/143148)
[87] (WO2023/131039)
[30] CN (202220013887.8) 2022-01-04

[21] **3,223,513**
[13] A1

[25] EN
[54] **METHODS AND COMPOSITIONS COMPRISING CHAIN TRANSFER AGENTS IN ABSORBABLE PHOTOPOLYMERIZABLE FORMULATIONS**
[54] **PROCEDES ET COMPOSITIONS COMPRENANT DES AGENTS DE TRANSFERT DE CHAINE DANS DES FORMULATIONS PHOTOPOLYMERISABLES ABSORBABLES**
[72] VAUGHN, MICHAEL AARON, US
[72] STANFORD, MATHEW MURPHY, US
[72] BUSARI, HAFIZ, US
[72] TINDALL, DEBRA, US
[71] POLY-MED, INC., US
[85] 2023-12-19
[86] 2022-06-23 (PCT/US2022/034655)
[87] (WO2022/271904)
[30] US (63/214,302) 2021-06-24

[21] **3,223,514**
[13] A1

[51] **Int.Cl. C08G 65/48 (2006.01) C25B 9/19 (2021.01) H01M 50/414 (2021.01)**
[25] EN
[54] **NEW PHOSPHONATED NON-FLUORINATED AND PARTIALLY FLUORINATED ARYL POLYMERS FROM SULFONATED ARYL POLYMERS AND NEW POLYMERIC PERFLUOROPHOSPHONIC ACIDS FROM PERFLUOROSULFONIC ACIDS, THEIR PROCESS OF PREPARATION AND USE IN ELECTROMEMBRANE APPLICATION**
[54] **NOUVEAUX POLYMERES D'ARYLE PHOSPHONES NON FLUORES ET PARTIELLEMENT FLUORES A PARTIR DE POLYMERES D'ARYLE SULFONES ET NOUVEAUX ACIDES PERFLUOROPHOSPHONIQUES POLYMERES A PARTIR D'ACIDES PERFLUOROSULFONIQUES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION DANS DES APPLICATIONS ELECTROMEMBRANAIRE**
[72] CHROMIK, ANDREAS, DE
[71] RIVA POWER SYSTEMS GMBH & CO. KG, DE
[85] 2023-12-19
[86] 2022-06-23 (PCT/DE2022/100466)
[87] (WO2022/268265)
[30] DE (10 2021 003 228.4) 2021-06-23

PCT Applications Entering the National Phase

[21] **3,223,515**
[13] A1

[25] EN
[54] **METHODS FOR TREATMENT OF OPIOID USE DISORDER WITH CANNABINOIDS**
[54] **METHODES DE TRAITEMENT D'UN TROUBLE DE L'USAGE D'OPIACES AVEC DES CANNABINOIDES**
[72] ROSENFELD, MARK J., US
[72] ZAIDI, SOHAIL R., US
[72] MOORE, CHRISTOPHER B.G., US
[71] ANANDA SCIENTIFIC, INC., US
[71] LYOTROPIC DELIVERY SYSTEMS LTD, IL
[85] 2023-12-19
[86] 2022-06-30 (PCT/US2022/035674)
[87] (WO2023/278665)
[30] US (63/217,536) 2021-07-01

[21] **3,223,516**
[13] A1

[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **WEE1 INHIBITORS AND METHODS FOR TREATING CANCER**
[54] **INHIBITEURS DE WEE1 ET METHODES DE TRAITEMENT DU CANCER**
[72] SAMATAR, AHMED ABDI, US
[72] DONATE, FERNANDO, US
[72] DE JONG, PETRUS RUDOLF, US
[72] ESCOUBET, LAURE, US
[72] LIU, WEN, US
[72] PULTAR, PHILIPPE, US
[72] VOLIOTIS, DIMITRIOS, US
[72] BUNKER, KEVIN DUANE, US
[72] HUANG, PETER QINHUA, US
[72] LI, JIALI, US
[71] RECURIUM IP HOLDINGS, LLC, US
[85] 2023-12-19
[86] 2022-06-21 (PCT/US2022/034383)
[87] (WO2022/271731)
[30] US (63/202,770) 2021-06-23

[21] **3,223,517**
[13] A1

[25] EN
[54] **SEQUENCER FOCUS QUALITY METRICS AND FOCUS TRACKING FOR PERIODICALLY PATTERNED SURFACES**
[54] **METRIQUES DE QUALITE DE MISE AU POINT DE SEQUENCEUR ET SUIVI DE MISE AU POINT POUR DES SURFACES A MOTIFS PERIODIQUES**
[72] BAKER, THOMAS, US
[72] EARLY, KEVIN, US
[72] ZHANG, SIQI, US
[72] ABASKHARON, RACHEL, US
[72] PRABHU, ANMIV, US
[72] WEN, PATRICK, US
[71] ILLUMINA, INC., US
[85] 2023-12-19
[86] 2022-09-09 (PCT/US2022/042986)
[87] (WO2023/039120)
[30] US (63/242,801) 2021-09-10
[30] US (17/940,591) 2022-09-08

[21] **3,223,518**
[13] A1

[51] **Int.Cl. A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/653 (2006.01) A01N 47/04 (2006.01) A01N 47/14 (2006.01) A01N 47/44 (2006.01) A01N 47/46 (2006.01) A61K 31/26 (2006.01)**
[25] EN
[54] **SYNERGY BETWEEN MIXTURES OF ISOTHIOCYANATES AND COMMERCIAL FUNGICIDES**
[54] **SYNERGIE ENTRE DES MELANGES D'ISOTHIOCYANATES ET DE FONGICIDES COMMERCIAUX**
[72] DUBEY, OLGA, CH
[72] DUBEY, SYLVAIN, CH
[72] GUIGNARD, FLORIAN, CH
[72] PEDRAZZETI, MATTEO, CH
[71] AGROSUSTAIN SA, CH
[85] 2023-12-19
[86] 2022-07-04 (PCT/EP2022/068489)
[87] (WO2023/280792)
[30] EP (21183776.0) 2021-07-05

[21] **3,223,519**
[13] A1

[51] **Int.Cl. A24B 15/16 (2020.01) A24D 1/20 (2020.01) A24B 15/30 (2006.01)**
[25] EN
[54] **AEROSOL GENERATING COMPOSITION**
[54] **COMPOSITION DE GENERATION D'AEROSOL**
[72] JENKINS, BENJAMIN, GB
[72] SCIROCCO, JENNIFER LOUISE, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2023-12-19
[86] 2022-07-22 (PCT/EP2022/070626)
[87] (WO2023/002018)
[30] GB (2110571.3) 2021-07-22
[30] GB (2114194.0) 2021-10-04
[30] GB (2202056.4) 2022-02-16

[21] **3,223,520**
[13] A1

[51] **Int.Cl. A61P 25/36 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **METHODS FOR TREATMENT OF PAIN WITH CANNABINOIDS**
[54] **METHODES DE TRAITEMENT DE LA DOULEUR AU MOYEN DE CANNABINOIDES**
[72] ROSENFELD, MARK J., US
[72] ZAIDI, SOHAIL R., US
[72] MOORE, CHRISTOPHER B.G., US
[71] ANANDA SCIENTIFIC, INC., US
[71] LYOTROPIC DELIVERY SYSTEMS LTD, IL
[85] 2023-12-19
[86] 2022-06-30 (PCT/US2022/035734)
[87] (WO2023/278708)
[30] US (63/217,538) 2021-07-01

Demandes PCT entrant en phase nationale

[21] **3,223,521**
[13] A1

[51] **Int.Cl. H03H 11/04 (2006.01) H03H 11/34 (2006.01) H03K 3/38 (2006.01)**

[25] EN

[54] **APPARATUS, ARRANGEMENT AND METHOD FOR ELECTROMAGNETIC ISOLATION FOR QUANTUM COMPUTING CIRCUIT**

[54] **APPAREIL, AGENCEMENT ET PROCEDE D'ISOLATION ELECTROMAGNETIQUE POUR CIRCUIT D'INFORMATIQUE QUANTIQUE**

[72] LAHTEENMAKI, PASI, FI
[72] MOTTONEN, MIKKO, FI
[71] IQM FINLAND OY, FI
[85] 2023-12-19
[86] 2021-07-13 (PCT/FI2021/050532)
[87] (WO2023/285727)

[21] **3,223,522**
[13] A1

[51] **Int.Cl. H04L 1/08 (2006.01) H04W 76/20 (2018.01)**

[25] EN

[54] **SURVIVAL TIME STATE TRIGGERING AND FALLBACK FOR DUPLICATION WITH DUAL-CONNECTIVITY**

[54] **DECLENCHEMENT D'ETAT DE TEMPS DE SURVIE ET REPLI POUR DUPLICATION AVEC DOUBLE CONNECTIVITE**

[72] KELA, KALLE PETTERI, FI
[72] KUO, PING-HENG, GB
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2023-12-19
[86] 2022-07-14 (PCT/EP2022/069731)
[87] (WO2023/025461)
[30] US (63/236,767) 2021-08-25

[21] **3,223,562**
[13] A1

[51] **Int.Cl. C09J 7/38 (2018.01) C09J 7/21 (2018.01) C09J 11/06 (2006.01) C09J 153/02 (2006.01)**

[25] EN

[54] **PRESSURE-SENSITIVE ADHESIVE TAPE**

[54] **RUBAN AUTOADHESIF**

[72] KIMURA, AKIYOSHI, JP
[72] YAMAMOTO, YOSHIAKI, JP
[72] YOSHIMURA, DAISUKE, JP
[71] DENKA COMPANY LIMITED, JP
[85] 2023-12-20
[86] 2022-07-04 (PCT/JP2022/026549)
[87] (WO2023/282219)
[30] JP (2021-114312) 2021-07-09
[30] JP (2022-048280) 2022-03-24

[21] **3,223,564**
[13] A1

[51] **Int.Cl. B65D 83/20 (2006.01)**

[25] EN

[54] **DISPENSING SYSTEMS**

[54] **SYSTEMES DE DISTRIBUTION**

[72] NGUYEN, PETER N., US
[72] ROZEK, THERESE A., US
[72] STICHART, JOSEPH G., US
[72] HALONEN, JASON L., US
[72] FOWLER, MARGARET, US
[72] PHAM, NGOC H., US
[72] DAVIS, BRIAN T., US
[72] SCHWER, JAKE, US
[72] LEVAKE, KYLIE L., US
[71] S. C. JOHNSON & SON, INC., US
[85] 2023-12-20
[86] 2022-06-22 (PCT/US2022/034469)
[87] (WO2022/271791)
[30] US (63/213,528) 2021-06-22

[21] **3,223,567**
[13] A1

[51] **Int.Cl. A61B 17/82 (2006.01) A61B 17/80 (2006.01)**

[25] EN

[54] **ANCHORING APPARATUS**

[54] **APPAREIL D'ANCRAGE**

[72] DODSON, MARK A., US
[71] DODSON, MARK A., US
[85] 2023-12-20
[86] 2022-06-28 (PCT/US2022/035276)
[87] (WO2023/278412)
[30] US (63/216,581) 2021-06-30

[21] **3,223,569**
[13] A1

[51] **Int.Cl. A23D 9/04 (2006.01) C11B 3/04 (2006.01) C11B 3/10 (2006.01)**

[25] EN

[54] **NOVEL METHOD FOR REMOVING DEMULSIFIERS FROM A FEEDSTOCK**

[54] **NOUVEAU PROCEDE D'ELIMINATION DE DESEMULSIFIANTS CONTENUS DANS UNE CHARGE D'ALIMENTATION**

[72] WAHLSTROM, RONNY, FI
[71] NESTE OYJ, FI
[85] 2023-12-20
[86] 2022-08-23 (PCT/EP2022/073392)
[87] (WO2023/025756)
[30] FI (20215885) 2021-08-24

[21] **3,223,571**
[13] A1

[51] **Int.Cl. H01M 50/528 (2021.01) H01M 50/533 (2021.01) H01M 50/536 (2021.01) H01M 50/538 (2021.01)**

[25] EN

[54] **CYLINDRICAL BATTERY AND VEHICLE**

[54] **BATTERIE CYLINDRIQUE ET VEHICULE**

[72] RONG, LIANGBIN, CN
[72] PAN, QIU, CN
[72] WANG, XINYUE, CN
[72] CHENG, HAN, CN
[72] YUAN, WANSONG, CN
[71] BYD COMPANY LIMITED, CN
[85] 2023-12-20
[86] 2022-07-13 (PCT/CN2022/105350)
[87] (WO2023/001030)
[30] CN (202110837679.X) 2021-07-23

PCT Applications Entering the National Phase

[21] **3,223,577**
[13] A1

[51] **Int.Cl. C07H 21/02 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDES FOR IFN-
.GAMMA. SIGNALING PATHWAY
MODULATION**
[54] **OLIGONUCLEOTIDES POUR LA
MODULATION DE LA VOIE DE
SIGNALISATION DE L'IFN-?**
[72] KHVOROVA, ANASTASIA, US
[72] HARRIS, JOHN E., US
[72] TANG, QI, US
[71] UNIVERSITY OF
MASSACHUSETTS, US
[85] 2023-12-20
[86] 2022-06-21 (PCT/US2022/034297)
[87] (WO2022/271666)
[30] US (63/213,506) 2021-06-22
[30] US (63/331,563) 2022-04-15

[21] **3,223,582**
[13] A1

[25] EN
[54] **CURABLE RESIN COMPOSITIONS**
[54] **COMPOSITIONS DE RESINE
DURCISSABLE**
[72] SZEMJONOV, ALEXANDRA, GB
[72] EDGE, PHILLIPPA K., GB
[72] RICHEZ, ALEXANDRE, GB
[71] ILLUMINA, INC., US
[85] 2023-12-20
[86] 2022-09-22 (PCT/EP2022/076316)
[87] (WO2023/046813)
[30] US (63/248,179) 2021-09-24

[21] **3,223,587**
[13] A1

[25] EN
[54] **SIDE-PORT INJECTION DEVICES
FOR USE WITH
ELECTROPORATION, AND
RELATED SYSTEMS AND
METHODS**
[54] **DISPOSITIFS D'INJECTION A
ORIFICE LATERAL DESTINES A
ETRE UTILISES AVEC
L'ELECTROPORATION, ET
SYSTEMES ET PROCEDES
ASSOCIES**
[72] FISHER, PAUL, US
[72] MCCOY, JAY, US
[72] GENEROTTI, ALISON A., US
[72] ZOUNES, BRENDEN ULYSSES, US
[72] CONTRERAS, RYNE LUCAS, US
[71] INOVIO PHARMACEUTICALS, INC.,
US
[85] 2023-12-20
[86] 2022-06-30 (PCT/US2022/035857)
[87] (WO2023/278796)
[30] US (63/217,069) 2021-06-30

[21] **3,223,595**
[13] A1

[51] **Int.Cl. C12Q 1/6844 (2018.01) C12Q
1/6874 (2018.01)**
[25] EN
[54] **HYBRID CLUSTERING**
[54] **REGROUPEMENT HYBRIDE**
[72] MA, XIAOYU, US
[72] LESSARD-VIGER, MATHIEU, US
[72] FISHER, JEFFREY, US
[72] BOUTELL, JONATHAN, GB
[71] ILLUMINA, INC., US
[85] 2023-12-20
[86] 2022-12-15 (PCT/US2022/053005)
[87] (WO2023/114397)
[30] US (63/290,183) 2021-12-16

[21] **3,223,597**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2023.01) G01S
13/02 (2006.01) G01S 17/02 (2020.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR
INTERMODAL MATERIALS
DELIVERY**
[54] **SYSTEME ET PROCEDE DE
LIVRAISON INTERMODALE DE
MATERIAUX**
[72] FOSGARD, ERIC, US
[71] TULIPS CORPORATION, US
[85] 2023-12-20
[86] 2021-06-29 (PCT/US2021/039641)
[87] (WO2023/277884)

[21] **3,223,602**
[13] A1

[25] EN
[54] **ERK1/2 AND KRAS G12C
INHIBITORS COMBINATION
THERAPY**
[54] **POLYTHERAPIE REPOSANT SUR
DES INHIBITEURS D'ERK1/2 ET
DE KRAS G12C**
[72] SHOEMAKER, ROBERT FIELD, US
[72] LEW, ERIN DENISE, US
[72] LIN, WEI, US
[72] ZHANG, JINGCHUAN, US
[72] OH, JOANNE, US
[71] ERASCA, INC., US
[85] 2023-12-20
[86] 2022-06-23 (PCT/US2022/034684)
[87] (WO2022/271923)
[30] US (63/214,767) 2021-06-24
[30] US (63/277,548) 2021-11-09
[30] US (63/283,034) 2021-11-24
[30] US (63/321,609) 2022-03-18

[21] **3,223,608**
[13] A1

[51] **Int.Cl. B05B 7/26 (2006.01)**
[25] EN
[54] **SPRAYER HEAD HAVING
INTEGRATED SECONDARY
INTERNAL LIQUID RESERVOIR**
[54] **TETE DE PULVERISATION
AYANT UN RESERVOIR DE
LIQUIDE INTERNE SECONDAIRE
INTEGRE**
[72] ZIEMANN, THEODORE EDWIN, US
[71] ARMIS BIOPHARMA, INC., US
[85] 2023-12-20
[86] 2022-08-15 (PCT/US2022/074954)
[87] (WO2023/023477)
[30] US (63/233,555) 2021-08-16

Demandes PCT entrant en phase nationale

[21] **3,223,613**
[13] A1

[51] **Int.Cl. H04L 41/149 (2022.01) H04L 41/16 (2022.01)**
[25] EN
[54] **EFFICIENT MAINTENANCE FOR COMMUNICATION DEVICES**
[54] **MAINTENANCE EFFICACE POUR DISPOSITIFS DE COMMUNICATION**
[72] KHAN, TAYYAB, US
[72] GANESAN, VENKAT, US
[72] ARASTU, SAJID, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2023-12-20
[86] 2022-07-12 (PCT/US2022/036797)
[87] (WO2023/287771)
[30] US (17/375,061) 2021-07-14

[21] **3,223,615**
[13] A1

[51] **Int.Cl. C12Q 1/6874 (2018.01)**
[25] EN
[54] **ORTHOGONAL HYBRIDIZATION**
[54] **HYBRIDATION ORTHOGONALE**
[72] SHEN, FEI, US
[72] LESSARD-VIGER, MATHIEU, US
[72] BRUSTAD, ERIC, US
[72] MEADE, ALLISON, US
[72] ARMIJO, ESTEBAN, US
[72] HOWARD, MICHAEL, US
[72] FISHER, JEFFREY, US
[72] BOUTELL, JONATHAN, GB
[72] SARACHO, RAMON, US
[72] GHAZINEJAD, OLIVIA, US
[72] MCDONALD, SETH, US
[72] STORMS, LENA, US
[72] BRODIN, JEFFREY, US
[71] ILLUMINA, INC., US
[85] 2023-12-20
[86] 2022-12-15 (PCT/US2022/053002)
[87] (WO2023/114394)
[30] US (63/290,852) 2021-12-17

[21] **3,223,882**
[13] A1

[51] **Int.Cl. F04D 27/00 (2006.01) B08B 5/02 (2006.01) G06F 1/20 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **ELECTRONIC DEVICE CONTROL METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE COMMANDE DE DISPOSITIF ELECTRONIQUE, DISPOSITIF ELECTRONIQUE, ET SUPPORT DE STOCKAGE**
[72] WU, CHAO, CN
[72] GUI, WENMING, CN
[72] ZHANG, QIANG, CN
[72] ZHOU, ZHAODI, CN
[71] BITMAIN TECHNOLOGIES INC., CN
[85] 2023-12-21
[86] 2022-05-16 (PCT/CN2022/093109)
[87] (WO2022/242606)
[30] CN (202110552639.0) 2021-05-20

[21] **3,223,913**
[13] A1

[51] **Int.Cl. G06F 11/14 (2006.01) G06F 11/30 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **AUTOSCREENSHOT SYSTEMS AND METHODS FOR VIRTUAL OPERATING SYSTEM STATES**
[54] **SYSTEMES ET PROCEDES DE CAPTURE D'ECRAN AUTOMATIQUE POUR ETATS DE SYSTEME D'EXPLOITATION VIRTUEL**
[72] MITCHELL, COLLIN, US
[71] DATTO, INC., US
[85] 2023-12-21
[86] 2021-12-29 (PCT/US2021/065438)
[87] (WO2023/277951)
[30] US (17/366,568) 2021-07-02

[21] **3,223,945**
[13] A1

[51] **Int.Cl. G01V 5/10 (2006.01)**
[25] EN
[54] **PULSED NEUTRON LOGGING TOOL WITH IN-AIR AUTOMATIC SHUTDOWN**
[54] **OUTIL DE DIAGNOSTIC A NEUTRONS PULSES A VEC ARRET AUTOMATIQUE DANS LES AIRS**
[72] SCHMID, GREGORY, US
[72] WILLICK, JOHN, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2023-12-21
[86] 2022-05-10 (PCT/US2022/072232)
[87] (WO2023/039306)
[30] US (17/447,538) 2021-09-13

[21] **3,223,969**
[13] A1

[51] **Int.Cl. B65G 1/04 (2006.01) B66B 9/10 (2006.01)**
[25] FR
[54] **CLIMBING DEVICE FOR AN AUTOMATED ARTICLE STORAGE SYSTEM**
[54] **DISPOSITIF DE GRIMPE POUR SYSTEME DE STOCKAGE AUTOMATISE D'ARTICLES**
[72] REY, JULIEN, FR
[72] JAMES, AURELIEN, FR
[72] LOUIS REGIS, LENAICK, FR
[71] FIVES XCELLA, FR
[85] 2023-12-21
[86] 2022-05-31 (PCT/EP2022/064718)
[87] (WO2022/253812)
[30] FR (FR2105722) 2021-05-31

PCT Applications Entering the National Phase

[21] **3,223,983**
[13] A1

[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/41 (2006.01) A61K 31/4164 (2006.01) A61P 31/04 (2006.01) A61K 31/00 (2006.01)**

[25] EN

[54] **USE OF IBEZAPOLSTAT TO PROMOTE MICROBIOME HEALTH**

[54] **UTILISATION D'IBEAPOLSTAT POUR FAVORISER LA SANTE DU MICROBIOME**

[72] GAREY, KEVIN, US

[71] ACURX PHARMACEUTICALS, INC., US

[85] 2023-12-12

[86] 2022-06-16 (PCT/US2022/033786)

[87] (WO2022/266318)

[30] US (63/211,320) 2021-06-16

[30] US (63/236,972) 2021-08-25

[30] US (63/263,556) 2021-11-04

[30] US (63/264,052) 2021-11-15

[21] **3,223,984**
[13] A1

[51] **Int.Cl. A61K 31/198 (2006.01) A61K 31/19 (2006.01) A61P 25/00 (2006.01) C07C 53/06 (2006.01) C07C 53/08 (2006.01) C07C 229/24 (2006.01) C07C 279/14 (2006.01) G01N 33/48 (2006.01) G01N 33/497 (2006.01)**

[25] EN

[54] **DETERMINING MILD TRAUMATIC BRAIN INJURY, RECOVERY AND TREATMENT**

[54] **DETERMINATION D'UNE LESION CEREBRALE TRAUMATIQUE LEGERE, RECUPERATION ET TRAITEMENT**

[72] FRASER, DOUGLAS, CA

[71] LONDON HEALTH SCIENCES CENTRE RESEARCH INC., CA

[85] 2023-12-14

[86] 2022-06-17 (PCT/CA2022/050973)

[87] (WO2022/261780)

[30] US (63/211,771) 2021-06-17

[21] **3,223,985**
[13] A1

[51] **Int.Cl. A01N 63/00 (2020.01) C12N 1/20 (2006.01) A01H 5/00 (2018.01)**

[25] EN

[54] **SYNERGISTIC MICROBIAL STRAINS FOR INCREASING THE ACTIVITY OF NITROGEN-FIXING MICROORGANISMS**

[54] **SOUCHES MICROBIENNES SYNERGIQUES POUR AUGMENTER L'ACTIVITE DE MICRO-ORGANISMES FIXANT L'AZOTE**

[72] DOTY, SHARON L., US

[72] SHER, ANDREW WINSLOW, US

[71] UNIVERSITY OF WASHINGTON, US

[85] 2023-12-14

[86] 2022-06-17 (PCT/US2022/034077)

[87] (WO2022/271567)

[30] US (63/213,517) 2021-06-22

[21] **3,223,987**
[13] A1

[51] **Int.Cl. C12Q 1/6848 (2018.01) C12N 15/10 (2006.01)**

[25] EN

[54] **METHODS, COMPOSITIONS, AND KITS FOR PREPARING SEQUENCING LIBRARY**

[54] **PROCEDES, COMPOSITIONS ET KITS POUR PREPARER UNE BIBLIOTHEQUE DE SEQUENCAGE**

[72] DUNWELL, THOMAS, GB

[72] FU, GUOLIANG, GB

[71] GENEFIRST LIMITED, GB

[71] FU, GUOLIANG, GB

[85] 2023-12-14

[86] 2022-06-14 (PCT/GB2022/051492)

[87] (WO2022/263807)

[30] GB (2108427.2) 2021-06-14

[21] **3,223,988**
[13] A1

[51] **Int.Cl. C22B 59/00 (2006.01) C22B 3/44 (2006.01) C22C 28/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS COMPRISING PROTEINS AND METHODS OF USE THEREOF FOR RARE EARTH ELEMENT SEPARATION**

[54] **COMPOSITIONS COMPRENANT DES PROTEINES ET LEURS PROCEDES D'UTILISATION POUR LA SEPARATION DE METAL DES TERRES RARES (REE)**

[72] PARK, DAN MCFARLAND, US

[72] DEBLONDE, GAUTHIER, US

[72] DONG, ZIYE, US

[72] JIAO, YONGQIN, US

[72] MATTOCKS, JOSEPH ANTHONY, US

[72] COTRUVO, JOSEPH ALFRED, US

[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US

[71] THE PENN STATE RESEARCH FOUNDATION, US

[85] 2023-12-14

[86] 2022-06-14 (PCT/US2022/033462)

[87] (WO2022/266120)

[30] US (63/210,311) 2021-06-14

Demandes PCT entrant en phase nationale

[21] **3,223,990**
[13] A1

[51] **Int.Cl. A01K 67/033 (2006.01) C07K 14/195 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01)**

[25] EN

[54] **ANTI-CRISPR CONSTRUCT AND ITS USE TO COUNTERACT A CRISPR-BASED GENE-DRIVE IN AN ARTHROPOD POPULATION**

[54] **CONSTRUCTION ANTI-CRISPR ET SON UTILISATION POUR LUTTER CONTRE UN ENTRAINEMENT GENIQUE A BASE DE CRISPR DANS UNE POPULATION D'ARTHROPODES**

[72] TAXIARCHI, CHRYSANTHI, GB

[72] GALIZI, ROBERTO, GB

[72] CRISANTI, ANDREA, GB

[72] SIMONI, ALEKOS, IT

[72] D'AMATO, ROCCO, IT

[71] IMPERIAL COLLEGE INNOVATIONS LIMITED, GB

[71] POLO D'INNOVAZIONE DI GENOMICA GENETICA E BIOLOGIA SRL, IT

[85] 2023-12-14

[86] 2022-06-23 (PCT/GB2022/051600)

[87] (WO2022/269260)

[30] GB (2109133.5) 2021-06-24

[21] **3,223,991**
[13] A1

[51] **Int.Cl. A61M 5/142 (2006.01) G16H 20/17 (2018.01) G16H 40/40 (2018.01) A61M 5/168 (2006.01) A61M 5/172 (2006.01)**

[25] EN

[54] **INTRAVENOUS INFUSION PUMPS WITH SYSTEM AND PHARMACODYNAMIC MODEL ADJUSTMENT FOR DISPLAY AND OPERATION**

[54] **POMPES DE PERFUSION INTRAVEINEUSE AVEC SYSTEME ET AJUSTEMENT DE MODELE PHARMACODYNAMIQUE POUR AFFICHAGE ET FONCTIONNEMENT**

[72] JACOBSON, JAMES D., US

[71] ICU MEDICAL, INC., US

[85] 2023-12-14

[86] 2022-06-15 (PCT/US2022/033613)

[87] (WO2022/266213)

[30] US (63/211,905) 2021-06-17

[30] US (17/806,847) 2022-06-14

[21] **3,223,993**
[13] A1

[51] **Int.Cl. A01K 5/02 (2006.01) A01K 1/01 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR REMOVING MANURE FROM A FLOOR IN A BARN FOR ANIMALS, AND, IN COMBINATION, A BARN FOR KEEPING ANIMALS AND A SYSTEM OF THIS KIND**

[54] **SYSTEME ET PROCEDE POUR ENLEVER LE FUMIER D'UN SOL DANS UNE ETABLE POUR ANIMAUX, ET, EN COMBINAISON, UNE ETABLE POUR ELEVER DES ANIMAUX ET UN SYSTEME DE CE TYPE**

[72] JORNA, HARM, NL

[72] VAN KESTER, ROBIN ANDREAS ALBERTUS, NL

[72] VAN DORP, MICHIEL ADRIAAN, NL

[72] OZMEN, DOGAN, NL

[71] LELY PATENT N.V., NL

[85] 2023-12-14

[86] 2022-07-07 (PCT/IB2022/056286)

[87] (WO2023/285929)

[30] NL (2028703) 2021-07-12

[21] **3,223,995**
[13] A1

[51] **Int.Cl. A01H 6/46 (2018.01) C12N 15/82 (2006.01)**

[25] EN

[54] **MODIFICATION OF GROWTH REGULATING FACTOR FAMILY TRANSCRIPTION FACTORS IN SOYBEAN**

[54] **MODIFICATION DE FACTEURS DE TRANSCRIPTION DE LA FAMILLE DES FACTEURS DE REGULATION DE LA CROISSANCE DANS LE SOJA**

[72] MILLER, MARISA, US

[72] MATHEW, LOLITA GEORGE, US

[72] CRAWFORD, BRIAN CHARLES WILDING, US

[71] PAIRWISE PLANTS SERVICES, INC., US

[85] 2023-12-14

[86] 2022-06-16 (PCT/US2022/033701)

[87] (WO2022/266271)

[30] US (63/211,860) 2021-06-17

[21] **3,223,997**
[13] A1

[51] **Int.Cl. A01K 1/01 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR REMOVING MANURE FROM A FLOOR IN A BARN, AND, IN COMBINATION, A BARN FOR KEEPING ANIMALS AND A SYSTEM OF THIS TYPE**

[54] **SYSTEME ET PROCEDE POUR ENLEVER LE FUMIER D'UN SOL DANS UNE ETABLE, ET, EN COMBINAISON, UNE ETABLE POUR ELEVER DES ANIMAUX ET UN SYSTEME DE CE TYPE**

[72] JORNA, HARM, NL

[72] VAN KESTER, ROBIN ANDREAS ALBERTUS, NL

[71] LELY PATENT N.V., NL

[85] 2023-12-14

[86] 2022-07-07 (PCT/IB2022/056293)

[87] (WO2023/007283)

[30] NL (2028856) 2021-07-27

[21] **3,223,999**
[13] A1

[51] **Int.Cl. G06F 3/041 (2006.01) G06F 3/0488 (2022.01)**

[25] EN

[54] **INFUSION PUMP TOUCHSCREEN WITH FALSE TOUCH REJECTION**

[54] **ECRAN TACTILE DE POMPE A PERFUSION A REJET DE FAUSSE TOUCHE**

[72] HAN, SEUNG JIN, US

[71] ICU MEDICAL, INC., US

[85] 2023-12-14

[86] 2022-06-22 (PCT/US2022/034604)

[87] (WO2022/271879)

[30] US (63/214,678) 2021-06-24

PCT Applications Entering the National Phase

[21] **3,224,001**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **TREATMENT OF
CARDIOVASCULAR DISEASE
WITH TREM-1 ANTIGEN
BINDING PROTEINS**
[54] **TRAITEMENT DE MALADIE
CARDIOVASCULAIRE AU
MOYEN DE PROTEINES DE
LIAISON A L'ANTIGENE TREM-1**
[72] SHETTERLY, SUSAN, US
[72] JACKSON, SIMON, US
[71] AMGEN INC., US
[85] 2023-12-14
[86] 2022-06-24 (PCT/US2022/034834)
[87] (WO2022/272018)
[30] US (63/215,260) 2021-06-25
[30] US (63/353,223) 2022-06-17

[21] **3,224,005**
[13] A1

[51] **Int.Cl. B60G 17/016 (2006.01) B60G
3/01 (2006.01) B60G 17/017 (2006.01)
B62D 49/06 (2006.01)**
[25] EN
[54] **HEIGHT-ADJUSTABLE
AGRICULTURAL VEHICLES AND
METHODS OF TRANSFERRING
LOADS THEREIN**
[54] **VEHICULES AGRICOLES
REGLABLES EN HAUTEUR ET
PROCEDES DE TRANSFERT DE
CHARGES A L'INTERIEUR DE
CEUX-CI**
[72] SIEVE, JASON DARWIN, US
[71] AGCO CORPORATION, US
[85] 2023-12-14
[86] 2022-07-07 (PCT/IB2022/056297)
[87] (WO2023/285932)
[30] US (63/221,593) 2021-07-14

[21] **3,224,006**
[13] A1

[51] **Int.Cl. G01B 11/245 (2006.01) G01B
11/25 (2006.01)**
[25] EN
[54] **HANDHELD 3D SCANNER**
[54] **DISPOSITIF DE BALAYAGE 3D
PORTATIF**
[72] LEBRUN, NICOLAS, CA
[71] CREAFORM INC., CA
[85] 2023-12-11
[86] 2022-05-06 (PCT/CA2022/050715)
[87] (WO2023/212796)

[21] **3,224,008**
[13] A1

[51] **Int.Cl. C08J 7/04 (2020.01) C08J
7/048 (2020.01) B32B 15/12 (2006.01)
B32B 27/10 (2006.01) B32B 29/00
(2006.01) C23C 14/00 (2006.01)**
[25] EN
[54] **PROCESSES FOR
METALLIZATION AND
PRODUCTS FORMED
THEREFROM**
[54] **PROCEDES DE METALLISATION
ET PRODUITS FORMES A
PARTIR DE CEUX-CI**
[72] AZERRAF, CLARITE, IL
[72] NEVO, YUVAL, IL
[72] BARAK-KULBAK, EINAV, IL
[72] ELIYAHU, RINAT, IL
[72] LEIBLER, DAVID MICHAEL, IL
[72] NEVO, YANIV, IL
[71] MELODEA LTD., IL
[85] 2023-12-14
[86] 2022-06-14 (PCT/IL2022/050636)
[87] (WO2022/264136)
[30] US (63/202,495) 2021-06-14
[30] US (63/262,849) 2021-10-21

[21] **3,224,011**
[13] A1

[51] **Int.Cl. E01F 7/04 (2006.01)**
[25] EN
[54] **COMMON-USE ROCKFALL
PROTECTION AND AVALANCHE
PREVENTION FENCE**
[54] **ECRAN UTILISE A LA FOIS POUR
LA PROTECTION CONTRE LES
CHUTES DE PIERRES ET LA
PREVENTION D'AVALANCHE**
[72] KOSEKI, KAZUHIRO, JP
[72] IMAI, MASAMI, JP
[71] TOKYO ROPE MFG.CO.,LTD., JP
[85] 2023-12-14
[86] 2022-03-04 (PCT/JP2022/009384)
[87] (WO2023/166701)

[21] **3,224,015**
[13] A1

[51] **Int.Cl. C08L 33/14 (2006.01) C08K
3/22 (2006.01) C08K 3/32 (2006.01)**
[25] EN
[54] **MOISTURE-CURABLE RESIN
COMPOSITION**
[54] **COMPOSITION DE RESINE
DURCISSABLE A L'HUMIDITE**
[72] NISHIZAWA, TAKUTO, JP
[72] FUKUMOTO, MASAYUKI, JP
[72] TAKAHASHI, RYOSUKE, JP
[71] THREEBOND CO., LTD., JP
[85] 2023-12-14
[86] 2022-05-24 (PCT/JP2022/021199)
[87] (WO2022/270196)
[30] JP (2021-103526) 2021-06-22

[21] **3,224,016**
[13] A1

[51] **Int.Cl. C25B 11/093 (2021.01) C25B
9/23 (2021.01) C25B 11/052 (2021.01)
C25B 11/063 (2021.01) C25B 11/065
(2021.01) B01J 23/656 (2006.01) B01J
37/02 (2006.01) B01J 37/08 (2006.01)
C25B 1/04 (2021.01) C25B 1/21
(2006.01) C25B 9/00 (2021.01) C25D
9/04 (2006.01)**
[25] EN
[54] **IRIDIUM-MANGANESE OXIDE
COMPOSITE MATERIAL,
IRIDIUM-MANGANESE OXIDE
COMPOSITE ELECTRODE
MATERIAL AND METHODS FOR
PRODUCING SAME**
[54] **MATERIAU COMPOSITE
D'IRIDIUM-OXYDE DE
MANGANESE, MATERIAU
D'ELECTRODE COMPOSITE
D'IRIDIUM-OXYDE DE
MANGANESE, ET PROCEDES DE
PRODUCTION ASSOCIES**
[72] NAKAMURA, RYUHEI, JP
[72] KONG, SHUANG, JP
[72] LI, AILONG, JP
[72] FUSHIMI, KAZUNA, JP
[72] SUETSUGU, KAZUMASA, JP
[72] OKADA, TAKUYA, JP
[71] RIKEN, JP
[71] TOSOH CORPORATION, JP
[85] 2023-12-14
[86] 2022-06-13 (PCT/JP2022/023599)
[87] (WO2022/264960)
[30] JP (2021-099336) 2021-06-15

Demandes PCT entrant en phase nationale

[21] **3,224,017**
[13] A1

[51] **Int.Cl. C08L 83/16 (2006.01) C09D 7/20 (2018.01) C09D 7/63 (2018.01) C08K 5/01 (2006.01) C08K 5/56 (2006.01) C08L 91/00 (2006.01) C09D 5/16 (2006.01) C09D 183/08 (2006.01)**

[25] EN

[54] **CURABLE COMPOSITION, CURED FILM AND ARTICLE**

[54] **COMPOSITION DURCISSABLE, FILM DURCI ET ARTICLE**

[72] KUBOYAMA, TOSHIFUMI, JP

[72] KIRINO, MANABU, JP

[71] THREEBOND CO., LTD., JP

[85] 2023-12-14

[86] 2022-06-27 (PCT/JP2022/025506)

[87] (WO2023/282106)

[30] JP (2021-113997) 2021-07-09

[21] **3,224,018**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/00 (2006.01) A61K 31/70 (2006.01) A61K 33/00 (2006.01) A61K 38/00 (2006.01) C07K 16/22 (2006.01)**

[25] EN

[54] **ANTI-TGF-BETA ANTIBODY FORMULATIONS AND THEIR USE**

[54] **FORMULATIONS D'ANTICORPS ANTI-TGF-BETA ET LEUR UTILISATION**

[72] BANGARI, KIRAN RANA, US

[72] LATYPOV, RAMIL, US

[72] MCCOY, TIMOTHY, US

[72] PATKE, SANKET, US

[71] GENZYME CORPORATION, US

[85] 2023-12-14

[86] 2022-06-17 (PCT/US2022/034103)

[87] (WO2022/266510)

[30] US (63/212,473) 2021-06-18

[21] **3,224,026**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/19 (2006.01)**

[25] EN

[54] **POLYPEPTIDES TARGETING CD70-POSITIVE CANCERS**

[54] **POLYPEPTIDES CIBLANT DES CANCERS POSITIFS A CD70**

[72] REZVANI, KATY, US

[72] BOVER, LAURA DEL CARMEN, US

[72] BASAR, RAFET, US

[72] ACHARYA, SUNIL, US

[72] VIEN, LONG, US

[72] UPRETY, NADIMA, US

[72] ENSLEY, EMILY, US

[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US

[85] 2023-12-14

[86] 2022-06-29 (PCT/US2022/035441)

[87] (WO2023/278520)

[30] US (63/216,753) 2021-06-30

[21] **3,224,028**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**

[25] EN

[54] **HEART VALVE REPAIR DEVICES AND DELIVERY DEVICES THEREFOR**

[54] **DISPOSITIFS DE REPARATION DE VALVULE CARDIAQUE ET DISPOSITIFS DE DISTRIBUTION ASSOCIES**

[72] FRESCHAUF, LAUREN R., US

[72] OBERWISE, ERIC MICHAEL, US

[72] STEARNS, GRANT MATTHEW, US

[72] OKOS, CHRIS J., US

[72] HOFFER, ERAN, IL

[72] NAWALAKHE, RUPESH GAJANAN, US

[72] PAWAR, SANDIP VASANT, US

[72] DELGADO, SERGIO, US

[72] ELTAL, MUNIR HICHAM, US

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2023-12-14

[86] 2022-06-30 (PCT/US2022/035672)

[87] (WO2023/278663)

[30] US (63/217,622) 2021-07-01

[30] US (63/278,037) 2021-11-10

[30] US (63/308,940) 2022-02-10

[21] **3,224,037**
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) A61M 5/142 (2006.01)**

[25] EN

[54] **SYSTEMS FOR MULTI-LEVEL THERMAL MANAGEMENT OF ELECTRONIC DEVICES**

[54] **SYSTEMES DE GESTION THERMIQUE A NIVEAUX MULTIPLES DE DISPOSITIFS ELECTRONIQUES**

[72] SLABY, JIRI, US

[72] VOGEL, MATTHEW STEPHEN, US

[72] ELLIS, FORD CHRISTOPHER, US

[71] BAXTER INTERNATIONAL INC., US

[71] BAXTER HEALTHCARE SA, CH

[85] 2023-12-14

[86] 2022-07-12 (PCT/US2022/036786)

[87] (WO2023/287764)

[30] US (63/220,720) 2021-07-12

[21] **3,224,044**
[13] A1

[51] **Int.Cl. B67D 1/00 (2006.01)**

[25] EN

[54] **DIFFUSER NOZZLE FOR IMPROVED CARBONATION DISPENSING**

[54] **BUSE DE DIFFUSEUR POUR DISTRIBUTION AMELIOREE DE CARBONATATION**

[72] MUNOZ, BRAD, US

[72] FORGEY, AUSTIN, US

[71] THE COCA-COLA COMPANY, US

[85] 2023-12-14

[86] 2022-08-05 (PCT/US2022/039541)

[87] (WO2023/014954)

[30] US (63/230,462) 2021-08-06

[21] **3,224,046**
[13] A1

[51] **Int.Cl. C22B 19/30 (2006.01)**

[25] EN

[54] **IMPROVED METHOD FOR RECYCLING ZINC (ZN)**

[54] **PROCEDE AMELIORE DE RECYCLAGE DU ZINC (ZN)**

[72] GOUVERNEYRE, JEAN, BE

[71] REAZN BELGIUM, BE

[85] 2023-12-22

[86] 2022-12-21 (PCT/EP2022/087219)

[87] (WO2023/126274)

[30] BE (BE2021/6076) 2021-12-27

PCT Applications Entering the National Phase

[21] **3,224,052**
[13] A1

- [51] **Int.Cl. A23K 50/10 (2016.01) A61K 31/522 (2006.01) A61K 47/46 (2006.01) A61K 36/82 (2006.01)**
[25] EN
[54] **BOVINE SUPPLEMENT FOR NEONATAL CALVES**
[54] **COMPLEMENT BOVIN POUR VEAUX NOUVEAU-NES**
[72] UPAH, NATHAN C., US
[72] FRITCHEN, AARON N., US
[72] MCKILLIGAN, DENNIS M., US
[72] KOLSTAD, BRADLEY W., US
[71] TECHMIX, LLC, US
[85] 2023-12-14
[86] 2022-08-11 (PCT/US2022/040059)
[87] (WO2022/266557)
[30] US (17/351,598) 2021-06-18

[21] **3,224,061**
[13] A1

- [51] **Int.Cl. C01B 32/20 (2017.01) C01B 33/02 (2006.01) C01B 33/027 (2006.01) C01B 33/029 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF SILICON-CARBON COMPOSITE MATERIALS**
[54] **PROCEDE DE PRODUCTION DE MATERIAUX COMPOSITES SILICIUM-CARBONE**
[72] BURCHAK, OLGA, FR
[72] LASSEGUE, PIERRE, FR
[71] ENWIRES, FR
[85] 2023-12-22
[86] 2022-05-20 (PCT/EP2022/063683)
[87] (WO2022/248347)
[30] EP (21305712.8) 2021-05-28

[21] **3,224,064**
[13] A1

- [51] **Int.Cl. A61K 47/10 (2017.01) A61K 47/18 (2017.01)**
[25] EN
[54] **CAPSAICIN AND TRPV1 MODULATOR COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE CAPSAICINE ET DE MODULATEURS DE TRPV1 ET LEURS METHODES D'UTILISATION**
[72] FIENI, FRANCESCA, US
[72] ZEMEL, MICHAEL, US
[71] PANO THERAPEUTICS, INC., US
[85] 2023-12-22
[86] 2021-12-15 (PCT/US2021/063523)
[87] (WO2022/132902)
[30] US (63/126,467) 2020-12-16

[21] **3,224,094**
[13] A1

- [51] **Int.Cl. A61K 31/5383 (2006.01) A61P 17/06 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **USE OF TRICYCLIC HETEROARYL-CONTAINING COMPOUND**
[54] **UTILISATION D'UN COMPOSE CONTENANT UN HETEROARYLE TRICYCLIQUE**
[72] YANG, HANYU, CN
[72] ZHANG, HANCHENG, CN
[72] LIU, XIBAO, CN
[72] CAI, CONGCONG, CN
[72] QIN, NING, CN
[72] DAN, MO, CN
[72] LYU, LU, CN
[72] ZHANG, DANDAN, CN
[72] LIU, JIERU, CN
[71] CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD, CN
[71] HANGZHOU INNOGATE PHARMA CO., LTD., CN
[71] CSPC OUYI PHARMACEUTICAL CO., LTD., CN
[85] 2023-12-22
[86] 2022-03-09 (PCT/CN2022/079887)
[87] (WO2022/188796)
[30] CN (202110255275.X) 2021-03-09
[30] CN (202110861899.6) 2021-07-29

[21] **3,224,108**
[13] A1

- [51] **Int.Cl. H01M 8/04111 (2016.01) H01M 8/04007 (2016.01) H01M 8/04082 (2016.01) H01M 8/04537 (2016.01) H01M 8/04858 (2016.01) H01M 8/1007 (2016.01) H01M 8/2457 (2016.01) B60L 58/30 (2019.01) B60L 58/33 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REGULATING VOLTAGE FOR HYDROGEN-ELECTRIC ENGINES**
[54] **SYSTEMES ET PROCEDES DE REGULATION DE TENSION POUR MOTEURS ELECTRIQUES A HYDROGENE**
[72] LAWES, STEPHEN, US
[72] TEJPAL, RITISH, US
[71] ZEROAVIA, INC., US
[85] 2023-12-22
[86] 2022-05-07 (PCT/US2022/072190)
[87] (WO2022/236337)
[30] US (63/185,666) 2021-05-07

[21] **3,224,128**
[13] A1

- [51] **Int.Cl. A41F 9/02 (2006.01) A41D 1/14 (2006.01) D06H 7/10 (2006.01)**
[25] EN
[54] **METHOD FOR REALISING A GARMENT PROVIDED WITH A BELT TO BE WORN ON THE LOWER LIMBS AND A RELATIVE GARMENT PROVIDED WITH A BELT**
[54] **PROCEDE DE REALISATION D'UN VETEMENT MUNI D'UNE CEINTURE A PORTER SUR LES MEMBRES INFERIEURS ET VETEMENT RELATIF MUNI D'UNE CEINTURE**
[72] BUHAIANU, RADU ADRIAN, IT
[71] G.T.A. MODA S.R.L., IT
[85] 2023-12-22
[86] 2022-05-04 (PCT/IB2022/054115)
[87] (WO2022/269377)
[30] IT (102021000016418) 2021-06-23

Demandes PCT entrant en phase nationale

[21] **3,224,130**
[13] A1

[51] **Int.Cl. B65B 9/093 (2012.01) B65B 61/02 (2006.01) B65B 61/26 (2006.01)**

[25] EN

[54] **METHOD AND PACKAGING DEVICE FOR PACKAGING DISCRETE MEDICAMENTS IN POUCHES**

[54] **PROCEDE ET DISPOSITIF D'EMBALLAGE POUR L'EMBALLAGE DE MEDICAMENTS INDIVIDUELS DANS DES SACHETS**

[72] BRAKKEE, MARTINUS JOHANNES DONATUS, NL

[72] VAN ROON, PETER, NL

[72] WIJNIA, AALF, NL

[72] SPIJKERBOER, HENK JAN, NL

[72] JOCHEMSEN, CORNELIS JAN, NL

[72] ROEST, MARTIJN, NL

[71] VMI HOLLAND B.V., NL

[85] 2023-12-22

[86] 2022-06-22 (PCT/NL2022/050360)

[87] (WO2022/271025)

[30] US (17/353,948) 2021-06-22

[21] **3,224,135**
[13] A1

[51] **Int.Cl. C25B 11/046 (2021.01) C25B 11/052 (2021.01) C25B 11/061 (2021.01) C23F 1/28 (2006.01) C25B 1/04 (2021.01)**

[25] EN

[54] **METHOD FOR MANUFACTURING ELECTRODE, AND ELECTRODE**

[54] **PROCEDE DE FABRICATION D'ELECTRODE, ET ELECTRODE ASSOCIEE**

[72] ZAENAL, AWALUDIN, JP

[72] KATO, AKIHIRO, JP

[72] NAKAI, TAKAAKI, JP

[72] ARIMOTO, OSAMU, JP

[72] MADONO, AKIHIRO, JP

[72] FUKUDA, SAYAKA, JP

[71] DE NORA PERMELEC LTD, JP

[85] 2023-12-22

[86] 2022-07-01 (PCT/JP2022/026487)

[87] (WO2023/286641)

[30] JP (2021-115095) 2021-07-12

[21] **3,224,149**
[13] A1

[51] **Int.Cl. C10L 9/06 (2006.01) C10B 53/02 (2006.01) C10L 5/44 (2006.01) C10L 9/08 (2006.01)**

[25] EN

[54] **CARBON MATERIAL AND PRODUCTION METHOD THEREFOR**

[54] **MATERIAU CARBONE ET SON PROCEDE DE PRODUCTION**

[72] MORI, EIICHIROH, JP

[72] SEKIMOTO, KENICHI, JP

[72] TAKEDA, SUGURU, JP

[72] KOWAKI, YUKIO, JP

[71] NIPPON STEEL ENGINEERING CO., LTD., JP

[85] 2023-12-22

[86] 2022-09-16 (PCT/IB2022/058753)

[87] (WO2023/012773)

[30] JP (2021-128011) 2021-08-04

[21] **3,224,166**
[13] A1

[51] **Int.Cl. A24F 40/42 (2020.01) A24B 15/167 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01)**

[25] EN

[54] **COMPOUND OF REACTION OF ALKALOID AND PHENOL, ATOMIZATION LIQUID, CARTOMIZER AND ELECTRONIC ATOMIZER**

[54] **COMPOSE DE REACTION D'ALCALOIDE ET DE PHENOL, LIQUIDE D'ATOMISATION, CARTOMISEUR ET ATOMISEUR ELECTRONIQUE**

[72] FENG, TING, CN

[71] ZHANGJIAGANG ALIEN NEW MATERIAL TECHNOLOGY CO., LTD, CN

[85] 2023-12-26

[86] 2021-07-05 (PCT/CN2021/104444)

[87] (WO2022/241921)

[30] CN (202110558047.X) 2021-05-21

[21] **3,224,167**
[13] A1

[51] **Int.Cl. A24B 15/167 (2020.01) A24B 15/18 (2006.01)**

[25] EN

[54] **ELECTRONIC ATOMIZATION LIQUID COMPOSITION AND PACKAGING CONTAINER THEREOF**

[54] **COMPOSITION LIQUIDE D'ATOMISATION ELECTRONIQUE ET SON RECIPIENT D'EMBALLAGE**

[72] ZHANG, LIN, CN

[71] ZHANG, QI, CN

[85] 2023-12-26

[86] 2021-07-05 (PCT/CN2021/104445)

[87] (WO2022/267095)

[30] CN (202110695874.3) 2021-06-23

[21] **3,224,174**
[13] A1

[51] **Int.Cl. D21H 17/28 (2006.01) A61B 50/00 (2016.01) B65D 65/40 (2006.01) B65D 65/42 (2006.01) D21H 21/16 (2006.01) D21H 21/20 (2006.01) D21H 27/10 (2006.01)**

[25] EN

[54] **FIBROUS STERILIZABLE MATERIAL FOR PACKAGING OF MEDICAL DEVICES AND TRAY OBTAINED FROM THE MATERIAL**

[54] **MATERIAU FIBREUX STERILISABLE POUR EMBALLAGE DE DISPOSITIFS MEDICAUX ET PLATEAU OBTENU A PARTIR DE CE MATERIAU**

[72] DUFOUR, MENNO, FR

[72] LALOUM, JONATHAN, FR

[71] AHLSTROM OYJ, FI

[85] 2023-12-12

[86] 2022-06-13 (PCT/IB2022/055470)

[87] (WO2022/264009)

[30] FR (FR2106237) 2021-06-14

PCT Applications Entering the National Phase

[21] **3,224,175**
[13] A1

[51] **Int.Cl. A61K 9/51 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61K 39/145 (2006.01) A61K 47/02 (2006.01) A61K 47/26 (2006.01) A61P 31/16 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **MULTIVALENT INFLUENZA VACCINES**

[54] **VACCINS MULTIVALENTS CONTRE LA GRIPPE**

[72] CHIVUKULA, SUDHA, US

[72] ALEFANTIS, TIM, US

[71] SANOFI, FR

[85] 2023-12-13

[86] 2022-06-17 (PCT/IB2022/055655)

[87] (WO2022/264109)

[30] US (63/212,523) 2021-06-18

[30] EP (21315198.8) 2021-10-13

[30] US (63/276,243) 2021-11-05

[30] US (PCT/US2021/058250) 2021-11-05

[21] **3,224,176**
[13] A1

[51] **Int.Cl. H04N 21/43 (2011.01) H04N 21/422 (2011.01) H04N 21/4223 (2011.01) H04N 21/442 (2011.01) H04N 21/45 (2011.01) H04N 21/4728 (2011.01) H04N 21/4788 (2011.01) H04N 21/485 (2011.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR SHARED VIEWING OF MEDIA CONTENT**

[54] **PROCEDE ET APPAREIL DE VISIONNEMENT PARTAGEE DE CONTENU MULTIMEDIA**

[72] SHAH, AKSHAY CHETAN, IN

[72] CHANDRASHEKAR, PADMASSRI, IN

[72] EMMANUEL, DAINA, IN

[71] ROVI GUIDES, INC., US

[85] 2023-12-13

[86] 2021-12-21 (PCT/US2021/064719)

[87] (WO2023/277950)

[30] US (17/363,300) 2021-06-30

[21] **3,224,177**
[13] A1

[51] **Int.Cl. A61K 35/745 (2015.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01) A61K 9/16 (2006.01) A61K 9/19 (2006.01) A61P 1/00 (2006.01) A61P 25/00 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01)**

[25] EN

[54] **PROBIOTIC COMPOSITIONS FOR ALLEVIATING GASTROINTESTINAL SYMPTOMS IN SUBJECTS WITH A NEUROLOGICAL DISORDER**

[54] **COMPOSITIONS PROBIOTIQUES POUR SOULAGER DES SYMPTOMES GASTRO-INTESTINAUX CHEZ DES SUJETS ATTEINTS D'UN TROUBLE NEUROLOGIQUE**

[72] GHANNOUM, AFIF, US

[72] HARITAKIS, MICHAEL, US

[72] FERNALD, ROBERT, US

[71] BIOHM HEALTH INC., US

[85] 2023-12-13

[86] 2022-06-17 (PCT/US2022/034037)

[87] (WO2022/266469)

[30] US (63/211,967) 2021-06-17

[21] **3,224,178**
[13] A1

[51] **Int.Cl. C12N 5/074 (2010.01) C12N 5/0735 (2010.01)**

[25] EN

[54] **METHOD FOR PRODUCING CEREBRAL CORTICAL CELL PREPARATION DERIVED FROM HUMAN PLURIPOTENT STEM CELLS**

[54] **PROCEDE DE PRODUCTION D'UNE PREPARATION DE CELLULES CORTICALES CEREBRALES DERIVEE DE CELLULES SOUCHES PLURIPOTENTES HUMAINES**

[72] TAKAHASHI, JUN, JP

[72] DOI, DAISUKE, JP

[72] IKEDA, MEGUMI, JP

[71] KYOTO UNIVERSITY, JP

[71] SUMITOMO PHARMA CO., LTD., JP

[85] 2023-12-14

[86] 2022-06-16 (PCT/JP2022/024226)

[87] (WO2022/265086)

[30] US (63/211,622) 2021-06-17

[21] **3,224,179**
[13] A1

[51] **Int.Cl. A61B 1/005 (2006.01)**

[25] EN

[54] **ARTICULATION CONTROL DEVICE AND METHODS OF USE**

[54] **DISPOSITIF DE COMMANDE D'ARTICULATION ET PROCEDES D'UTILISATION**

[72] WILDER, EVAN, US

[72] POWELL, SEAN, US

[71] BOSTON SCIENTIFIC SCIMED, INC., US

[85] 2023-12-14

[86] 2022-06-14 (PCT/US2022/072919)

[87] (WO2023/278938)

[30] US (63/217,005) 2021-06-30

[21] **3,224,182**
[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **CHIMERIC IMMUNOGLOBULIN IMMUNOGLOBULINE CHIMERIQUE**

[72] MENG, YUAN, CN

[72] ZHONG, DONGMEI, CN

[71] FAPON BIOTECH INC., CN

[85] 2023-12-15

[86] 2022-03-03 (PCT/CN2022/078975)

[87] (WO2022/262321)

[30] CN (202110674660.8) 2021-06-17

[21] **3,224,183**
[13] A1

[51] **Int.Cl. A61K 47/68 (2017.01) C07K 14/52 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **IMMUOCONJUGATE MOLECULES AND RELATED METHODS AND COMPOSITIONS THEREOF**

[54] **MOLECULES D'IMMUOCONJUGUE ET PROCEDES ET COMPOSITIONS ASSOCIES**

[72] LI, QUFEI, CN

[72] BAILEY, LUCAS, CN

[71] SUZHOU FUSE BIOSCIENCES LIMITED, CN

[85] 2023-12-15

[86] 2022-05-13 (PCT/CN2022/092831)

[87] (WO2022/262496)

[30] CN (PCT/CN2021/100705) 2021-06-17

Demandes PCT entrant en phase nationale

[21] **3,224,184**
[13] A1

[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] LI, RUYI, CN
[72] LIU, ZUJIAN, CN
[71] BAMBINO PREZIOSO SWITZERLAND AG, CH
[85] 2023-12-15
[86] 2022-06-17 (PCT/EP2022/066573)
[87] (WO2022/263637)
[30] CN (202110680756.5) 2021-06-18

[21] **3,224,185**
[13] A1

[51] **Int.Cl. H04N 21/43 (2011.01) H04N 21/4788 (2011.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROVIDING DYNAMIC SUMMARIES OF MISSED CONTENT FROM A GROUP WATCHING EXPERIENCE**
[54] **PROCEDES ET SYSTEMES POUR FOURNIR DES RESUMES DYNAMIQUES DE CONTENU MANQUE A PARTIR D'UNE EXPERIENCE DE VISUALISATION DE GROUPE**
[72] CHANDRASHEKAR, PADMASSRI, IN
[72] EMMANUEL, DAINA, IN
[72] HARB, REDA, US
[72] SHAH, AKSHAY CHETAN, IN
[71] ROVI GUIDES, INC., US
[85] 2023-12-15
[86] 2021-12-14 (PCT/US2021/063334)
[87] (WO2022/265669)
[30] US (17/350,313) 2021-06-17

[21] **3,224,186**
[13] A1

[51] **Int.Cl. C08F 4/659 (2006.01) C07C 2/34 (2006.01) C08F 110/06 (2006.01)**
[25] EN
[54] **HIGHLY STRUCTURED, HIGH VINYLIDENE PROPYLENE OLIGOMER AND METHOD OF MAKING**
[54] **OLIGOMERE DE PROPYLENE A TENEUR EN VINYLIDENE ELEVEE ET HAUTEMENT STRUCTURE ET PROCEDE DE FABRICATION**
[72] HOMMELTOFT, SVEN IVAR, US
[71] CHEVRON U.S.A. INC., US
[85] 2023-12-15
[86] 2022-05-16 (PCT/US2022/029364)
[87] (WO2022/245688)
[30] US (63/189,585) 2021-05-17

[21] **3,224,187**
[13] A1

[51] **Int.Cl. G06F 16/28 (2019.01) G06F 16/22 (2019.01) H04L 41/40 (2022.01)**
[25] EN
[54] **SUPPORT FOR MULTI-TYPE USERS IN A SINGLE-TYPE COMPUTING SYSTEM**
[54] **PRISE EN CHARGE D'UTILISATEURS DE TYPE MULTIPLE DANS UN SYSTEME INFORMATIQUE DE TYPE UNIQUE**
[72] SEGUIN, VINCENT, US
[72] CASEY, PATRICK, US
[72] SCHUMANN, DAVID, US
[72] LEE, SZU-HSUAN, US
[71] SERVICENOW, INC., US
[85] 2023-12-15
[86] 2022-05-23 (PCT/US2022/030508)
[87] (WO2023/018463)
[30] US (17/397,480) 2021-08-09

[21] **3,224,188**
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/04815 (2022.01) G09B 9/16 (2006.01) G09B 19/00 (2006.01)**
[25] EN
[54] **AIRCRAFT TRAINING AID SYSTEMS AND PROCESSES**
[54] **SYSTEMES ET PROCEDES D'AIDE A L'ENTRAINEMENT D'AERONEFS**
[72] PARKER, RICHARD, US
[72] CORMICAN, EVEY, US
[71] VISIONARY TRAINING RESOURVES, INC., US
[85] 2023-12-15
[86] 2022-06-15 (PCT/US2022/033544)
[87] (WO2022/266173)
[30] US (63/210,544) 2021-06-15

[21] **3,224,189**
[13] A1

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRIMIDINYL-PYRAZOLES AS CDK2 INHIBITORS**
[54] **PYRIMIDINYL-PYRAZOLES SUBSTITUES UTILES EN TANT QU'INHIBITEURS DE CDK2**
[72] RAMSDEN, PHILIP D., US
[72] BIFULCO, JR., NEIL, US
[72] BROOIJMANS, NATASJA, US
[72] PEROLA, EMANUELE, US
[72] VARGAS, RICHARD, US
[72] WENGLOWSKY, STEVEN MARK, US
[72] WILSON, DOUGLAS, US
[71] BLUEPRINT MEDICINES CORPORATION, US
[85] 2023-12-15
[86] 2022-06-15 (PCT/US2022/033576)
[87] (WO2022/266190)
[30] US (63/211,426) 2021-06-16
[30] US (63/327,474) 2022-04-05

PCT Applications Entering the National Phase

[21] **3,224,190**
[13] A1

[51] **Int.Cl. H01L 31/043 (2014.01) H02S 20/10 (2014.01) H02S 30/10 (2014.01) H02S 40/34 (2014.01) H02S 40/36 (2014.01)**

[25] EN

[54] **MECHANICALLY STACKED SOLAR TRANSMISSIVE CELLS OR MODULES**

[54] **CELLULES OU MODULES DE TRANSMISSION SOLAIRE EMPILES MECANIQUEMENT**

[72] CONTI, KURT G., US

[72] WIBLE, CULLIN J., US

[71] CONTI INNOVATION CENTER, LLC, US

[85] 2023-12-15

[86] 2022-06-15 (PCT/US2022/033603)

[87] (WO2022/266207)

[30] US (62/211,262) 2021-06-16

[21] **3,224,192**
[13] A1

[51] **Int.Cl. E21B 29/02 (2006.01) E21B 23/04 (2006.01) E21B 43/114 (2006.01)**

[25] EN

[54] **PERFORATING TORCH APPARATUS AND METHOD**

[54] **APPAREIL ET PROCEDE DE CHALUMEAU DE PERFORATION**

[72] ROBERTSON, MICHAEL C., US

[71] ROBERTSON INTELLECTUAL PROPERTIES, LLC, US

[85] 2023-12-15

[86] 2022-06-15 (PCT/US2022/033627)

[87] (WO2022/271508)

[30] US (63/215,268) 2021-06-25

[30] US (17/840,377) 2022-06-14

[21] **3,224,194**
[13] A1

[51] **Int.Cl. H02B 1/03 (2006.01) H02B 1/26 (2006.01) H02B 1/30 (2006.01) H02B 1/32 (2006.01) H02B 1/40 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR INTELLIGENT SPLITTING AND CONTROLLING OF A HIGH VOLTAGE OUTLET**

[54] **PROCEDE ET APPAREIL DE SEPARATION ET DE COMMANDE INTELLIGENTES D'UNE SORTIE HAUTE TENSION**

[72] LIDDLE, DANIEL, US

[72] ROWETT, KEVIN, US

[72] FELLINGHAM, GEORGE, US

[72] THOMAS, JEFFREY A., US

[71] SPLITVOLT, INC., US

[85] 2023-12-15

[86] 2022-06-15 (PCT/US2022/033644)

[87] (WO2022/266230)

[30] US (63/210,921) 2021-06-15

[21] **3,224,198**
[13] A1

[51] **Int.Cl. B60P 1/00 (2006.01) B60R 9/00 (2006.01) B60R 5/02 (2006.01) B65G 1/02 (2006.01)**

[25] EN

[54] **MULTIPART HOUSING AND ALERT SYSTEM**

[54] **BOITIER EN PLUSIEURS PARTIES ET SYSTEME D'ALERTE**

[72] ZHANG, MING, US

[72] VANOYEN, HANS, US

[72] REA, DAVE, US

[72] KIM, TAE, US

[72] PRADO, PAUL, US

[71] QUANTUM FUEL SYSTEMS LLC, US

[85] 2023-12-15

[86] 2022-06-15 (PCT/US2022/033658)

[87] (WO2022/266241)

[30] US (63/210,612) 2021-06-15

[21] **3,224,200**
[13] A1

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/31 (2006.01) A61M 5/315 (2006.01) A61M 5/32 (2006.01) A61M 5/50 (2006.01)**

[25] EN

[54] **DRUG DELIVERY DEVICE HAVING SHOCK ABSORBER**

[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT AYANT UN ABSORBEUR DE CHOC**

[72] PODER, KASPER, US

[72] LAVMAND MULLER, DAVID, US

[72] WERNER HANSEN, PETER, US

[72] EILERTSEN, LARS, US

[71] AMGEN INC., US

[85] 2023-12-15

[86] 2022-06-16 (PCT/US2022/033702)

[87] (WO2022/266272)

[30] US (63/211,904) 2021-06-17

[21] **3,224,201**
[13] A1

[51] **Int.Cl. C25B 1/02 (2006.01) A61M 16/10 (2006.01)**

[25] EN

[54] **OXYGEN CONCENTRATOR MODULE**

[54] **MODULE CONCENTRATEUR D'OXYGENE**

[72] MOLTER, TRENT M., US

[72] MOULTHROP, LAWRENCE, US

[72] MALONEY, THOMAS, US

[72] MURDOCH, KAREN, US

[72] BRACKETT, GAIL, US

[71] SKYRE, INC., US

[85] 2023-12-15

[86] 2022-06-16 (PCT/US2022/033799)

[87] (WO2022/266326)

[30] US (63/211,248) 2021-06-16

Demandes PCT entrant en phase nationale

[21] **3,224,202**
[13] A1

[51] **Int.Cl. G01N 21/65 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR INTERROGATING A DROP OF SALIVA USING RAMAN SPECTROSCOPY**

[54] **PROCEDES ET SYSTEMES D'INTERROGATION D'UNE GOUTTE DE SALIVE PAR SPECTROSCOPIE RAMAN**

[72] EMBER, KATIE, CA
[72] DAoust, FRANCOIS, CA
[72] KSANTINI, NASSIM, CA
[72] PICOT, FABIEN, FR
[72] LEBLOND, FREDERIC, CA
[72] TRUDEL, DOMINIQUE, CA
[71] POLYVALOR, LIMITED PARTNERSHIP, CA
[71] VAL-CHUM, LIMITED PARTNERSHIP, CA
[85] 2023-12-15
[86] 2022-06-17 (PCT/CA2022/050974)
[87] (WO2022/261781)
[30] US (63/212,327) 2021-06-18

[21] **3,224,210**
[13] A1

[51] **Int.Cl. C07F 7/21 (2006.01) C08G 77/04 (2006.01) C08G 77/18 (2006.01) C08G 77/20 (2006.01) C08G 77/388 (2006.01) C08G 77/46 (2006.01)**

[25] EN
[54] **TRANSPARENT POLYMERIC MATERIALS WITH HIGH OXYGEN DIFFUSION CONTAINING DI-FUNCTIONAL POSS CAGES WITH HYDROPHILIC SUBSTITUENTS**

[54] **MATERIAUX POLYMERES TRANSPARENTS PRESENTANT UNE DIFFUSION ELEVEE DE L'OXYGENE ET CONTENANT DES CAGES DE POSS DIFONCTIONNEL PORTANT DES SUBSTITUANTS HYDROPHILES**

[72] FERRAR, WAYNE, US
[72] BONAFINI, JAMES A., US
[71] ACUITY POLYMERS, INC., US
[85] 2023-12-27
[86] 2022-05-04 (PCT/US2022/027644)
[87] (WO2022/235777)
[30] US (63/183,901) 2021-05-04

[21] **3,224,222**
[13] A1

[51] **Int.Cl. C12N 5/0797 (2010.01) C12N 5/10 (2006.01)**

[25] EN
[54] **METHODS FOR PRODUCING NEURAL CELLS**

[54] **PROCEDES DE PRODUCTION DE CELLULES NEURALES**

[72] WILLIAMS, LUIS, US
[72] JOSHI, VAIBHAV, US
[72] DEMPSEY, GRAHAM T., US
[71] Q-STATE BIOSCIENCES, INC., US
[85] 2023-12-15
[86] 2022-06-16 (PCT/US2022/033830)
[87] (WO2022/266346)
[30] US (63/211,693) 2021-06-17

[21] **3,224,238**
[13] A1

[51] **Int.Cl. H02H 1/00 (2006.01) H04B 10/85 (2013.01) G01R 19/04 (2006.01) G01R 19/25 (2006.01)**

[25] EN
[54] **METHOD AND SYSTEMS FOR ELECTROMAGNETIC PROTECTION WITH PERSISTENT SELF MONITORING AND CYBERSECURE LOCAL AND REMOTE STATUS REPORT**

[54] **PROCEDE ET SYSTEMES DE PROTECTION ELECTROMAGNETIQUE AVEC SURVEILLANCE AUTOMATIQUE PERMANENTE ET RAPPORT D'ETAT LOCAL ET DISTANT CYBERSECURISE**

[72] DOYNOV, PLAMEN, US
[71] DOYNOV, PLAMEN, US
[85] 2023-12-27
[86] 2022-09-09 (PCT/US2022/043087)
[87] (WO2023/191846)
[30] US (17/706,041) 2022-03-28

[21] **3,224,324**
[13] A1

[51] **Int.Cl. C07C 5/25 (2006.01) C07C 5/23 (2006.01) C07C 11/02 (2006.01)**

[25] EN
[54] **METHOD FOR OBTAINING LONG-CHAIN LINEAR ALKENES**

[54] **PROCEDE D'OBTENTION D'ALCENES LINEAIRES DE CHAINE LARGE**

[72] MON CONEJERO, MARTA, ES
[72] LEYVA PEREZ, ANTONIO, ES
[72] OLIVER MESEGUER, JUDIT, ES
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC), ES
[71] UNIVERSITAT POLITECNICA DE VALENCIA, ES
[85] 2023-12-27
[86] 2022-05-27 (PCT/ES2022/070326)
[87] (WO2022/248758)
[30] ES (P202130482) 2021-05-28

[21] **3,224,328**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/19 (2006.01) A61K 38/36 (2006.01) A61K 47/26 (2006.01)**

[25] EN
[54] **FIBRINOGEN COMPOSITIONS AND METHODS OF PREPARATION**

[54] **COMPOSITIONS DE FIBRINOGENE ET LEURS PROCEDES DE PREPARATION**

[72] MANEG, OLIVER, DE
[72] SOCHOR, FLORIAN, DE
[72] MOLLER, WOLFGANG, DE
[72] OTT, VERA, DE
[72] SCHEICH, CHRISTOPH, DE
[71] BIOTEST AG, DE
[85] 2023-12-14
[86] 2022-08-12 (PCT/EP2022/072679)
[87] (WO2023/017153)
[30] EP (21191286.0) 2021-08-13

PCT Applications Entering the National Phase

[21] **3,224,330**
[13] A1

[51] **Int.Cl. A61B 1/00 (2006.01)**
[25] FR
[54] **IMAGING METHOD, ENDOSCOPE AND COMPUTER PROGRAM PRODUCT**
[54] **PROCEDE D'IMAGERIE, ENDOSCOPE ET PRODUIT PROGRAMME D'ORDINATEUR**
[72] BOSSY, EMMANUEL, FR
[72] CARAVACA AGUIRRE, ANTONIO MIGUEL, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2023-12-15
[86] 2022-06-20 (PCT/IB2022/055698)
[87] (WO2023/275664)
[30] FR (FR2107170) 2021-07-01

[21] **3,224,332**
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) G16B 20/00 (2019.01) A61P 25/00 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **THERAPEUTIC OLIGONUCLEOTIDE METHODS**
[54] **METHODES OLIGONUCLEOTIDIQUES THERAPEUTIQUES**
[72] LEWARCH, CAITLIN, US
[72] GERBER, DAVID, US
[72] WILLIAMS, LUIS, US
[72] BROWN, DUNCAN, US
[72] AGRAWAL, SUDHIR, US
[72] DEMPSEY, GRAHAM T., US
[71] Q-STATE BIOSCIENCES, INC., US
[85] 2023-12-15
[86] 2022-06-16 (PCT/US2022/033836)
[87] (WO2022/266351)
[30] US (63/211,814) 2021-06-17

[21] **3,224,333**
[13] A1

[51] **Int.Cl. A23L 2/60 (2006.01) A23L 2/02 (2006.01) C07H 3/02 (2006.01)**
[25] EN
[54] **RARE SUGARS IN FOOD AND BEVERAGE PRODUCTS**
[54] **SUCRES RARES DANS DES PRODUITS ALIMENTAIRES ET DES BOISSONS**
[72] GIRARD, KRISTEN, US
[72] MYERS, MEREDITH, US
[71] OCEAN SPRAY CRANBERRIES, INC., US
[85] 2023-12-15
[86] 2022-06-16 (PCT/US2022/033849)
[87] (WO2022/266359)
[30] US (63/211,991) 2021-06-17

[21] **3,224,334**
[13] A1

[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/36 (2006.01) A61N 1/40 (2006.01)**
[25] EN
[54] **SYSTEM FOR DELIVERING TUMOR TREATING FIELDS (TTFIELDS) AND MEASURING IMPEDANCE**
[54] **SYSTEME D'ADMINISTRATION DE CHAMPS DE TRAITEMENT DE TUMEURS (TTCHAMPS) ET D'IMPEDANCE DE MESURE**
[72] WASSERMAN, YORAM, IL
[72] WEINBERG, URI, IL
[72] OBUCHOVSKY, STAS, IL
[72] KUPLENNIK, NATALIYA, IL
[72] SHAPIRO, DAVID, IL
[72] SHTOTLAND, MICHAEL, IL
[72] KIRILLOV, SERGEI, IL
[71] NOVOCURE GMBH, CH
[85] 2023-12-15
[86] 2022-06-27 (PCT/IB2022/055955)
[87] (WO2023/275718)
[30] US (63/216,763) 2021-06-30

[21] **3,224,335**
[13] A1

[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/36 (2006.01) A61N 1/40 (2006.01)**
[25] EN
[54] **USING CAPACITORS TO REGULATE CURRENT IN TRANSDUCER ARRAYS FOR APPLYING TUMOR TREATING FIELDS (TTFIELDS)**
[54] **UTILISATION DE CONDENSATEURS AFIN DE REGULER LE COURANT DANS DES RESEAUX DE TRANSDUCTEURS POUR APPLIQUER DES CHAMPS DE TRAITEMENT DE TUMEUR (TTCHAMPS)**
[72] WASSERMAN, YORAM, IL
[71] NOVOCURE GMBH, CH
[85] 2023-12-15
[86] 2022-06-28 (PCT/IB2022/056002)
[87] (WO2023/275749)
[30] US (63/216,678) 2021-06-30

[21] **3,224,336**
[13] A1

[51] **Int.Cl. G07C 9/00 (2020.01)**
[25] EN
[54] **MULTIFAMILY ELECTRONIC LOCK CREDENTIAL MANAGEMENT**
[54] **GESTION DE JUSTIFICATIF D'IDENTITE DE VERROU ELECTRONIQUE MULTI-FAMILLE**
[72] IMANUEL, DEREK, US
[71] ASSA ABLOY AMERICAS REDIDENTIAL INC., US
[85] 2023-12-15
[86] 2022-06-16 (PCT/US2022/033850)
[87] (WO2022/266360)
[30] US (63/211,342) 2021-06-16

Demandes PCT entrant en phase nationale

[21] 3,224,337 [13] A1	[21] 3,224,341 [13] A1	[21] 3,224,344 [13] A1
[51] Int.Cl. F16L 55/04 (2006.01) F04B 43/02 (2006.01) F16F 13/06 (2006.01) F16F 13/08 (2006.01) F16F 13/10 (2006.01) F16L 55/05 (2006.01)	[51] Int.Cl. A61K 31/343 (2006.01) A61K 31/351 (2006.01) A61K 31/4025 (2006.01) A61K 31/443 (2006.01) A61K 31/4439 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)	[51] Int.Cl. G06Q 50/10 (2012.01) G07C 9/22 (2020.01) G07C 9/25 (2020.01) G07C 9/27 (2020.01)
[25] EN	[25] EN	[25] EN
[54] DIAPHRAGM RADIAL COMPRESSION RING (DRCRTM) TO ENHANCE THE SEALING ABILITY AND SERVICE LIFE OF THE DIAPHRAGMS USED IN DAMPENERS/ACCUMULATORS/PULSATION CONTROL EQUIPMENT	[54] PHARMACEUTICAL COMBINATIONS COMPRISING A TEAD INHIBITOR AND USES THEREOF FOR THE TREATMENT OF CANCERS	[54] RECEPTION SYSTEM AND RECEPTION METHOD
[54] BAGUE DE COMPRESSION RADIALE A DIAPHRAGME (DRCR TM) PERMETTANT D'AMELIORER LA CAPACITE D'ETANCHEITE ET LA DUREE DE VIE DES DIAPHRAGMES UTILISES DANS DES AMORTISSEURS/DES ACCUMULATEURS/UN EQUIPEMENT DE COMMANDE DE PULSATIONS	[54] COMBINAISONS PHARMACEUTIQUES COMPRENANT UN INHIBITEUR DE TEAD ET LEURS UTILISATIONS POUR LE TRAITEMENT DE CANCERS	[54] SYSTEME DE RECEPTION ET PROCEDE DE RECEPTION
[72] JANTZON, CERSTEN, US	[72] CHAPEAU, EMILIE, CH	[72] ITOH, TOSHIHIKO, JP
[71] PERFORMANCE PULSATION CONTROL, INC., US	[72] L'EPICIER-SANSREGRET, LAURENT, CH	[71] NEC PLATFORMS, LTD., JP
[85] 2023-12-15	[72] SCHMELZLE, TOBIAS, CH	[85] 2023-12-15
[86] 2022-06-16 (PCT/US2022/033867)	[71] NOVARTIS AG, CH	[86] 2022-05-10 (PCT/JP2022/019767)
[87] (WO2022/266373)	[85] 2023-12-15	[87] (WO2022/264711)
[30] US (63/202,575) 2021-06-16	[86] 2022-08-30 (PCT/IB2022/058104)	[30] JP (2021-100320) 2021-06-16
	[87] (WO2023/031781)	
	[30] US (63/239,512) 2021-09-01	
	[30] US (63/268,481) 2022-02-24	
	[30] US (63/366,829) 2022-06-22	
	[21] 3,224,342 [13] A1	[21] 3,224,346 [13] A1
	[51] Int.Cl. A61K 9/00 (2006.01) C07C 215/50 (2006.01) C07D 213/66 (2006.01)	[51] Int.Cl. B01J 19/18 (2006.01) B01F 27/86 (2022.01) B01F 35/90 (2022.01) C08F 2/01 (2006.01)
	[25] EN	[25] EN
	[54] A SYNERGISTIC COMPOSITION FOR INHIBITING VASCULAR CALCIFICATION	[54] REACTION APPARATUS AND METHOD FOR PRODUCING VINYL-BASED POLYMER
	[54] COMPOSITION SYNERGIQUE POUR INHIBER LA CALCIFICATION VASCULAIRE	[54] APPAREIL DE REACTION ET PROCEDE DE PRODUCTION DE POLYMERE A BASE DE VINYLE
	[72] SAMANT, RAJARAM, IN	[72] IDA, TORU, JP
	[72] PALKAR, JOTIRAM, IN	[72] HAMAGUCHI, YASUNORI, JP
	[72] RAJENDARA, PRASAD T. (DECEASED), IN	[71] SHIN-ETSU CHEMICAL CO., LTD., JP
	[71] CELAGENEX RESEARCH (INDIA) PVT. LTD., IN	[85] 2023-12-15
	[85] 2023-12-15	[86] 2022-06-15 (PCT/JP2022/024028)
	[86] 2022-06-15 (PCT/IN2022/050545)	[87] (WO2022/265055)
	[87] (WO2022/264167)	[30] JP (2021-100495) 2021-06-16
	[30] IN (202121017568) 2021-06-15	
[21] 3,224,340 [13] A1		[21] 3,224,348 [13] A1
[51] Int.Cl. A61N 1/04 (2006.01) A61N 1/36 (2006.01) A61N 1/40 (2006.01)		[51] Int.Cl. C12Q 1/6818 (2018.01)
[25] EN		[25] EN
[54] METHODS OF TREATING CANCER WITH ALTERNATING ELECTRIC FIELDS, CHECKPOINT INHIBITORS, AND COMBINATION CHEMOTHERAPY		[54] DETECTION OF MULTIPLE TARGET NUCLEIC ACID USING MULTIPLE DETECTION TEMPERATURES
[54] METHODES DE TRAITEMENT DU CANCER FAISANT APPEL AUX CHAMPS ELECTRIQUES ALTERNATIFS, AUX INHIBITEURS DE POINTS DE CONTROLE ET A LA CHIMIOTHERAPIE COMBINEE		[54] DETECTION DE PLUSIEURS ACIDES NUCLEIQUES CIBLES A L'AIDE DE TEMPERATURES DE DETECTION MULTIPLES
[72] FARBER, ORI, IL		[72] LEE, HAN BIT, KR
[71] NOVOCURE GMBH, CH		[72] KIM, JEONG WOO, KR
[85] 2023-12-15		[72] KIM, HYEON BE, KR
[86] 2022-06-28 (PCT/IB2022/056024)		[71] SEEGENE, INC., KR
[87] (WO2023/275766)		[85] 2023-12-15
[30] US (63/216,864) 2021-06-30		[86] 2022-06-17 (PCT/KR2022/008659)
		[87] (WO2022/265463)
		[30] KR (10-2021-0078463) 2021-06-17

PCT Applications Entering the National Phase

[21] **3,224,350**
[13] A1

[51] **Int.Cl. G16H 40/63 (2018.01) G16H 40/67 (2018.01) G16H 80/00 (2018.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR TRACKING AND PRESENTING GLUCOSE MONITOR DATA**

[54] **SYSTEME ET PROCEDE DE SUIVI ET DE PRESENTATION DE DONNEES DE SURVEILLANCE DE GLUCOSE**

[72] GONZALES, ALLISON, US
[72] TRONCELLITI, LISA, US
[72] HOFMEISTER, MARK, US
[72] COCHARD, BOVOMRAT, US
[71] LIFESCAN IP HOLDINGS, LLC, US
[85] 2023-12-15
[86] 2022-06-17 (PCT/US2022/033991)
[87] (WO2022/266443)
[30] US (17/351,643) 2021-06-18

[21] **3,224,352**
[13] A1

[51] **Int.Cl. C12Q 1/6869 (2018.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR PAIRWISE SEQUENCING**

[54] **COMPOSITIONS ET PROCEDES DE SEQUENCAGE PAR PAIRES**

[72] KIM, MICHAEL, US
[72] YU, HUA, US
[72] HWANG-FU, YU-HSIEN, US
[72] TJIOE, MARCO, US
[72] BODDICKER, ANDREW, US
[72] ARSLAN, SINAN, US
[72] ZHAO, JUNHUA, US
[72] HE, MOLLY, US
[72] SNOW, SAMANTHA, US
[72] LIGHT, WILLIAM, US
[72] KELLINGER, MATTHEW, US
[72] PREVITE, MICHAEL, US
[71] ELEMENT BIOSCIENCES, INC., US
[85] 2023-12-15
[86] 2022-06-17 (PCT/US2022/034038)
[87] (WO2022/266470)
[30] US (63/212,059) 2021-06-17
[30] US (17/377,279) 2021-07-15
[30] US (17/377,283) 2021-07-15
[30] US (17/377,284) 2021-07-15
[30] US (17/377,285) 2021-07-15
[30] US (17/521,239) 2021-11-08
[30] US (17/554,396) 2021-12-17

[21] **3,224,353**
[13] A1

[51] **Int.Cl. A61K 35/33 (2015.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **FIBROBLAST BASED THERAPEUTICS OF AMYOTROPHIC LATERAL SCLEROSIS**

[54] **AGENTS THERAPEUTIQUES A BASE DE FIBROBLASTES CONTRE LA SCLEROSE LATERALE AMYOTROPHIQUE**

[72] ICHIM, THOMAS, US
[72] O'HEERON, PETE, US
[71] SPINALCYTE LLC, US
[85] 2023-12-15
[86] 2022-06-17 (PCT/US2022/034062)
[87] (WO2022/266485)
[30] US (63/211,989) 2021-06-17

[21] **3,224,354**
[13] A1

[51] **Int.Cl. H01M 8/04111 (2016.01) B64D 33/08 (2006.01)**

[25] EN

[54] **COOLING ARCHITECTURE FOR HYDROGEN FUEL CELL-POWERED AIRCRAFT**

[54] **ARCHITECTURE DE REFROIDISSEMENT POUR AERONEF ALIMENTEE PAR PILE A COMBUSTIBLE A HYDROGENE**

[72] TEJPAL, RITISH, US
[71] ZEROAVIA, INC., US
[71] TEJPAL, RITISH, US
[85] 2023-12-28
[86] 2022-05-06 (PCT/US2022/072189)
[87] (WO2022/236336)
[30] US (63/185,512) 2021-05-07

[21] **3,224,355**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) C12Q 1/6883 (2018.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01)**

[25] EN

[54] **METHODS OF TREATING A METABOLIC DISORDER WITH MITOGEN-ACTIVATED PROTEIN KINASE KINASE KINASE 15 (MAP3K15) INHIBITORS**

[54] **METHODES DE TRAITEMENT D'UN TROUBLE METABOLIQUE AVEC DES INHIBITEURS DE LA PROTEINE KINASE 15 ACTIVEE PAR DES AGENTS MITOGENES (MAP3K15)**

[72] FERREIRA, MANUEL ALLEN REVEZ, US
[72] BACKMAN, JOSHUA, US
[72] LI, ALEXANDER, US
[72] LOTTA, LUCA ANDREA, US
[72] ABECASIS, GONCALO, US
[72] BARAS, ARIS, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2023-12-15
[86] 2022-06-30 (PCT/US2022/035690)
[87] (WO2023/278677)
[30] US (63/217,906) 2021-07-02

[21] **3,224,357**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61B 17/122 (2006.01)**

[25] EN

[54] **DEVICES AND METHODS FOR ADDRESSING VALVE LEAFLET PROBLEMS**

[54] **DISPOSITIFS ET PROCEDES PERMETTANT DE RESOUDRE DES PROBLEMES DE FEUILLET VALVULAIRE**

[72] SCHEINBLUM, TAYLOR JACOB, US
[72] OKABE, HIROSHI, US
[72] SRINIMUKESH, HARISH MANICKAM, US
[72] WHITE, RICHARD D., US
[72] POULSEN, NIKOLAI BRENT, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-12-15
[86] 2022-07-14 (PCT/US2022/037172)
[87] (WO2023/288003)
[30] US (63/222,948) 2021-07-16

Demandes PCT entrant en phase nationale

[21] **3,224,358**
[13] A1

[51] **Int.Cl. B65F 3/00 (2006.01) B60L 1/00 (2006.01) B60L 1/12 (2006.01) B65F 3/02 (2006.01)**

[25] EN

[54] **ELECTRIC REFUSE VEHICLE POWER MANAGEMENT**

[54] **GESTION DE L'ENERGIE D'UN VEHICULE A ORDURES ELECTRIQUE**

[72] PARKER, BRIAN T., US
[72] CHANDLER, SAVANNAH G., US
[72] HAM, BRIAN HUSTON, US
[72] MARONEY, STANLEY L., US
[72] PALMER, REBECCA B., US
[72] PEEK, MICHAEL SHANE, US
[72] SMITH, JOHN FORREST, US
[72] STEWART, BRYAN, US
[71] THE HEIL CO., US
[85] 2023-12-15
[86] 2022-06-28 (PCT/US2022/073202)
[87] (WO2023/278984)
[30] US (63/216,370) 2021-06-29
[30] US (63/231,071) 2021-08-09

[21] **3,224,359**
[13] A1

[51] **Int.Cl. F26B 3/08 (2006.01) F26B 21/00 (2006.01) F26B 21/08 (2006.01)**

[25] EN

[54] **HUMIDITY CONTROL DEVICE**

[54] **DISPOSITIF DE REGULATION D'HUMIDITE**

[72] STUTZMAN, TODD ANTHONY, US
[72] MANNEBACH, SCOTT ALAN, US
[72] PARKER, ALEX MICHAEL, US
[72] CIOLOBOC, DANIELA, US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2023-12-15
[86] 2022-07-01 (PCT/US2022/073363)
[87] (WO2023/279091)
[30] US (63/217,445) 2021-07-01

[21] **3,224,361**
[13] A1

[51] **Int.Cl. H01P 1/208 (2006.01)**

[25] EN

[54] **MULTI-MODE WAVEGUIDE AND WAVEGUIDE DEVICE**

[54] **GUIDE D'ONDES MULTIMODE ET DISPOSITIF DE GUIDE D'ONDES**

[72] BAKR, MUSTAFA, GB
[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
[85] 2023-12-15
[86] 2022-06-16 (PCT/GB2022/051525)
[87] (WO2022/263832)
[30] GB (2108762.2) 2021-06-18

[21] **3,224,389**
[13] A1

[51] **Int.Cl. A61J 1/00 (2023.01) B65D 77/04 (2006.01) B65D 81/26 (2006.01)**

[25] EN

[54] **LIQUID-CONTAINING COMBINATION CONTAINER, CONTAINER SET, AND METHOD OF MANUFACTURING LIQUID-CONTAINING CONTAINER**

[54] **RECIPIENT COMBINE CONTENANT DES LIQUIDES, ENSEMBLE DE RECIPIENTS ET METHODE DE FABRICATION D'UN RECIPIENT CONTENANT DES LIQUIDES**

[72] BABA, TAKUMA, JP
[72] KOBORI, HIROYUKI, JP
[72] SHIMIZU, REIKO, JP
[72] AIZAWA, HISASHI, JP
[72] TAKUSHIMA, KAZUHIRO, JP
[71] DAI NIPPON PRINTING CO., LTD., JP
[85] 2023-12-28
[86] 2022-03-24 (PCT/JP2022/014192)
[87] (WO2022/203029)
[30] JP (2021-050769) 2021-03-24
[30] JP (2021-154831) 2021-09-22
[30] JP (2021-215291) 2021-12-28

[21] **3,224,415**
[13] A1

[51] **Int.Cl. H01M 4/13 (2010.01) H01M 10/052 (2010.01)**

[25] EN

[54] **SLURRY COMPOSITION FOR SECONDARY BATTERY ELECTRODE, AND SECONDARY BATTERY ELECTRODE USING SAME**

[54] **COMPOSITION DE SUSPENSION POUR ELECTRODE DE BATTERIE, ELECTRODE DE BATTERIE SECONDAIRE L'UTILISANT**

[72] KIM, SEONG DO, KR
[72] KIM, DONG HO, KR
[72] KIM, TAE YOON, KR
[72] YANG, HWI CHAN, KR
[72] LEE, JOO CHUL, KR
[71] DONGJIN SEMICHEM CO., LTD., KR
[85] 2023-12-28
[86] 2021-07-02 (PCT/KR2021/008405)
[87] (WO2022/005241)
[30] KR (10-2020-0081707) 2020-07-02

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

[21] 3,223,546 [13] A1	[21] 3,223,575 [13] A1	[21] 3,223,645 [13] A1
<p>[25] EN</p> <p>[54] NOVEL PEPTIDES, COMBINATION OF PEPTIDES AND SCAFFOLDS FOR USE IN IMMUNOTHERAPEUTIC TREATMENT OF VARIOUS CANCERS</p> <p>[54] NOUVEAUX PEPTIDES, COMBINAISONS DE PEPTIDES ET SUPPORTS POUR UTILISATION DANS LE TRAITEMENT IMMUNOTHERAPEUTIQUE DE DIVERS CANCERS</p> <p>[72] MAHR, ANDREA, DE</p> <p>[72] WEINSCHENK, TONI, DE</p> <p>[72] SCHOOR, OLIVER, DE</p> <p>[72] FRITSCH, JENS, DE</p> <p>[72] SINGH, HARPREET, DE</p> <p>[71] IMMATICS BIOTECHNOLOGIES GMBH, DE</p> <p>[22] 2016-08-26</p> <p>[41] 2017-03-09</p> <p>[62] 2,996,963</p> <p>[30] US (62/211,276) 2015-08-28</p> <p>[30] GB (1515321.6) 2015-08-28</p>	<p>[25] EN</p> <p>[54] 3' UTR SEQUENCES FOR STABILIZATION OF RNA</p> <p>[54] SEQUENCES 3'UTR POUR LA STABILISATION D'ARN</p> <p>[72] ORLANDINI VON NIESSEN, ALEXANDRA, DE</p> <p>[72] FESSER, STEPHANIE, DE</p> <p>[72] VALLAZZA, BRITTA, DE</p> <p>[72] BEISSERT, TIM, DE</p> <p>[72] KUHN, ANDREAS, DE</p> <p>[72] SAHIN, UGUR, DE</p> <p>[72] POLEGANOV, MARCO ALEXANDER, DE</p> <p>[71] BIONTECH SE, DE</p> <p>[71] TRON - TRANSLATIONALE ONKOLOGIE AN DER UNIVERSITATSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITAT MAINZ GGMBH, DE</p> <p>[22] 2016-10-05</p> <p>[41] 2017-04-13</p> <p>[62] 2,998,554</p> <p>[30] EP (PCT/EP2015/073180) 2015-10-07</p>	<p>[25] EN</p> <p>[54] PYRIMIDINE TRICYCLIC ENONE DERIVATIVES FOR INHIBITION OF ROR.GAMMA. AND OTHER USES</p> <p>[54] DERIVES ENONE DE PYRIMIDINE TRICYCLIQUE POUR L'INHIBITION DE ROR.GAMMA. ET D'AUTRES UTILISATIONS</p> <p>[72] JIANG, XIN, US</p> <p>[72] BENDER, CHRISTOPHER F., US</p> <p>[72] VISNICK, MELEAN, US</p> <p>[72] HOTEMA, MARTHA R., US</p> <p>[72] SHELDON, ZACHARY S., US</p> <p>[72] LEE, CHITASE, US</p> <p>[72] CAPRATHE, BRADLEY WILLIAM, US</p> <p>[72] BOLTON, GARY, US</p> <p>[72] KORNBERG, BRIAN, US</p> <p>[71] REATA PHARMACEUTICALS, INC., US</p> <p>[22] 2017-12-16</p> <p>[41] 2018-06-21</p> <p>[62] 3,046,183</p> <p>[30] US (62/435,588) 2016-12-16</p>
[21] 3,223,555 [13] A1	[21] 3,223,625 [13] A1	
<p>[25] EN</p> <p>[54] METHOD OF RAPIDLY ACHIEVING THERAPEUTIC CONCENTRATIONS OF ZOLMITRIPTAN FOR TREATMENT OF MIGRAINES AND CLUSTER HEADACHES</p> <p>[54] PROCEDE D'OBTENTION RAPIDE DE CONCENTRATIONS THERAPEUTIQUES DE ZOLMITRIPTAN POUR LE TRAITEMENT DE MIGRAINES ET DE CEPHALEES DE HORTON</p> <p>[72] AMERI, MAHMOUD, US</p> <p>[72] KELLERMAN, DONALD, US</p> <p>[72] AO, YI, US</p> <p>[71] EMERGEX USA CORPORATION, US</p> <p>[22] 2017-08-23</p> <p>[41] 2019-02-28</p> <p>[62] 3,073,442</p>	<p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR ADAPTIVE CROPPING</p> <p>[54] PROCEDES ET SYSTEMES DE POUR UN CADRAGE ADAPTATIF</p> <p>[72] KALVA, HARI, US</p> <p>[72] FURHT, BORIVOJE, US</p> <p>[72] ADZIC, VELIBOR, US</p> <p>[71] OP SOLUTIONS, LLC, US</p> <p>[22] 2020-11-06</p> <p>[41] 2021-05-14</p> <p>[62] 3,157,445</p> <p>[30] US (62/932,597) 2019-11-08</p> <p>[30] US (17/091,052) 2020-11-06</p>	

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

[21] **3,223,687**
[13] A1

[25] EN
[54] **NEUTRALIZING ANTIBODIES TO THE .ALPHA.V.BETA.8 INTEGRIN COMPLEX FOR IMMUNOTHERAPY**
[54] **ANTICORPS NEUTRALISANTS DIRIGES CONTRE LE COMPLEXE D'INTEGRINE .ALPHA.V.BETA.8 POUR L'IMMUNOTHERAPIE**
[72] NISHIMURA, STEPHEN L., US
[72] LOU, JIANLONG, US
[72] MARKS, JAMES D., US
[72] BARON, JODY L., US
[72] CHENG, YIFAN, US
[72] WU, SHENPING, US
[72] CORMIER, ANTHONY, US
[72] TAKASAKA, NAOKI, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[22] 2017-09-29
[41] 2018-04-05
[62] 3,036,232
[30] US (62/401,570) 2016-09-29
[30] US (62/529,381) 2017-07-06

[21] **3,223,688**
[13] A1

[25] EN
[54] **TRAILER STABILIZATION AND RESTRAINT**
[54] **DISPOSITIF DE STABILISATION ET DE RETENUE DE REMORQUE**
[72] KIMENER, THOMAS TERRENCE, US
[71] STABILOCK, LLC, US
[22] 2015-06-30
[41] 2016-01-01
[62] 3,166,798
[30] US (62/019,626) 2014-07-01

[21] **3,223,705**
[13] A1

[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR USING AND MONITORING SPINAL IMPLANTS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'UTILISATION ET DE SURVEILLANCE D'IMPLANTS RACHIDIENS**
[72] HUNTER, WILLIAM L., CA
[71] CANARY MEDICAL SWITZERLAND AG, CH
[22] 2015-06-25
[41] 2015-12-30
[62] 2,990,821
[30] US (62/017,106) 2014-06-25

[21] **3,223,709**
[13] A1

[25] EN
[54] **ANTIMICROBIAL COMPOSITIONS EFFECTIVE AGAINST BACTERIA AND FUNGUS**
[54]
[72] BROMMER, CHAD L., US
[71] TERMIR, INC., US
[22] 2018-07-12
[41] 2019-01-17
[62] 3,068,838
[30] US (62/531,528) 2017-07-12
[30] US (62/531,538) 2017-07-12

[21] **3,223,780**
[13] A1

[25] EN
[54] **ANTIMICROBIAL COMPOSITIONS EFFECTIVE AGAINST BACTERIA AND FUNGUS**
[54]
[72] BROMMER, CHAD L., US
[71] TERMIR, INC., US
[22] 2018-07-12
[41] 2019-01-17
[62] 3,068,838
[30] US (62/531,528) 2017-07-12
[30] US (62/531,538) 2017-07-12

[21] **3,223,782**
[13] A1

[25] EN
[54] **METHOD AND DEVICE FOR ENTROPY ENCODING COEFFICIENT LEVEL, AND METHOD AND DEVICE FOR ENTROPY DECODING COEFFICIENT LEVEL**
[54] **PROCEDE ET DISPOSITIF DE CODAGE ENTROPIQUE DE NIVEAU DE COEFFICIENT ET PROCEDE ET DISPOSITIF DE DECODAGE ENTROPIQUE DE NIVEAU DE COEFFICIENT**
[72] PIAO, YINJI, KR
[72] RYU, GAHYUN, KR
[72] PARK, MINSOO, KR
[72] JEONG, SEUNGSOO, KR
[72] CHOI, KIHO, KR
[72] CHOI, NARAE, KR
[72] CHOI, WOONGIL, KR
[72] TAMSE, ANISH, KR
[72] PARK, MINWOO, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2019-11-12
[41] 2020-05-22
[62] 3,119,608
[30] US (62/759,927) 2018-11-12
[30] US (62/783,818) 2018-12-21

[21] **3,223,798**
[13] A1

[25] EN
[54] **HUMANIZED T CELL MEDIATED IMMUNE RESPONSES IN NON-HUMAN ANIMALS**
[54] **REPONSES IMMUNITAIRES MEDIEES PAR DES CELLULES T HUMANISEES DANS DES ANIMAUX NON HUMAINS**
[72] MACDONALD, LYNN, US
[72] MURPHY, ANDREW J., US
[72] GURER, CAGAN, US
[72] KYRATSOUS, CHRISTOS, US
[71] REGENERON PHARMACEUTICALS, INC., US
[22] 2016-04-06
[41] 2016-10-13
[62] 2,980,771
[30] US (62/143,687) 2015-04-06
[30] US (62/158,804) 2015-05-08
[30] US (62/186,935) 2015-06-30

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] 3,223,869 [13] A1	[21] 3,223,891 [13] A1	[21] 3,223,929 [13] A1
<p>[25] EN</p> <p>[54] COMPOSITIONS FOR THE TREATMENT OF HYPERTENSION AND/OR FIBROSIS</p> <p>[54] COMPOSITIONS POUR LE TRAITEMENT DE L'HYPERTENSION ET/OU DE LA FIBROSE</p> <p>[72] DUGGAN, KAREN ANNETTE, AU</p> <p>[71] VECTUS BIOSYSTEMS LIMITED, AU</p> <p>[22] 2017-09-21</p> <p>[41] 2018-03-29</p> <p>[62] 3,037,222</p> <p>[30] AU (2016903804) 2016-09-21</p>	<p>[25] EN</p> <p>[54] INJECTION DEVICE</p> <p>[54] DISPOSITIF D'INJECTION</p> <p>[72] CHAKRABARTI, AJOY, US</p> <p>[72] BALSLEY, ERIC, US</p> <p>[72] APPY, JACQUES, FR</p> <p>[72] STAMPER, SYLVAIN, FR</p> <p>[72] ALFONSI, FREDERIC, US</p> <p>[72] PAINCHAUD, GAETAN, US</p> <p>[72] KUNTZER, NICOLAS, FR</p> <p>[71] PHARMA CONSULT GES.M.B.H., AT</p> <p>[22] 2017-01-12</p> <p>[41] 2017-07-20</p> <p>[62] 3,009,688</p> <p>[30] US (62/277,939) 2016-01-12</p>	<p>[25] EN</p> <p>[54] HEADGEAR ASSEMBLIES AND INTERFACE ASSEMBLIES WITH HEADGEAR</p> <p>[54] ENSEMBLES CASQUE ET ENSEMBLES D'INTERFACE AVEC CASQUE</p> <p>[72] HUDDART, BRETT JOHN, NZ</p> <p>[72] HAMMER, JEROEN, NZ</p> <p>[72] SLIGHT, MATTHEW ROBERT GEOFF, NZ</p> <p>[72] KAPELEVICH, VITALY, NZ</p> <p>[72] MONROY FELIX, DAVID, NZ</p> <p>[72] GORDON, CALLUM ROSS, NZ</p> <p>[72] WALLS, BRUCE MICHAEL, NZ</p> <p>[72] BORNHOLDT, MELISSA CATHERINE, NZ</p> <p>[72] STEPHENSON, MATTHEW ROGER, NZ</p> <p>[72] FREESTONE, PAUL MATHEW, NZ</p> <p>[72] GRAHAM, RYAN ANTHONY, NZ</p> <p>[72] MCLAREN, MARK ARVIND, NZ</p> <p>[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ</p> <p>[22] 2015-09-16</p> <p>[41] 2016-03-24</p> <p>[62] 2,958,120</p> <p>[30] US (62/050,925) 2014-09-16</p> <p>[30] US (62/053,026) 2014-09-19</p> <p>[30] US (62/062,720) 2014-10-10</p> <p>[30] US (62/138,304) 2015-03-25</p> <p>[30] US (62/159,857) 2015-05-11</p> <p>[30] US (62/196,672) 2015-07-24</p> <p>[30] US (62/198,104) 2015-07-28</p>
<p>[21] 3,223,879 [13] A1</p> <p>[25] EN</p> <p>[54] MYELOID-DERIVED GROWTH FACTOR FOR USE IN TREATING OR PREVENTING FIBROSIS, HYPERTROPHY OR HEART FAILURE</p> <p>[54] FACTEUR DE CROISSANCE DERIVE DE LA PROTEINE MYELOIDE DESTINE A ETRE UTILISE DANS LE TRAITEMENT OU LA PREVENTION DE LA FIBROSE, DE L'HYPERTROPHIE OU DE L'INSUFFISANCE CARDIAQUE</p> <p>[72] WOLLERT, KAI CHRISTOPH, DE</p> <p>[72] KORF-KLINGEBIEL, MORTIMER, DE</p> <p>[72] REBOLL, MARC R., DE</p> <p>[72] PEKCEC, ANTON, DE</p> <p>[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE</p> <p>[22] 2021-01-19</p> <p>[41] 2021-07-29</p> <p>[62] 3,164,500</p> <p>[30] EP (20153008.6) 2020-01-21</p>	<p>[21] 3,223,900 [13] A1</p> <p>[25] EN</p> <p>[54] DEVELOPING CARTRIDGE</p> <p>[54] CARTOUCHE DE DEVELOPPEMENT</p> <p>[72] ITABASHI, NAO, JP</p> <p>[71] BROTHER KOGYO KABUSHIKI KAISHA, JP</p> <p>[22] 2016-08-26</p> <p>[41] 2017-06-29</p> <p>[62] 3,009,606</p> <p>[30] JP (2015-254200) 2015-12-25</p>	<p>[21] 3,223,921 [13] A1</p> <p>[25] EN</p> <p>[54] LENDING METHODS AND LENDING SYSTEMS</p> <p>[54] PROCEDE ET SYSTEME DE PRET</p> <p>[72] ZHANG, YI, CN</p> <p>[71] 10353744 CANADA LTD., CA</p> <p>[22] 2015-05-29</p> <p>[41] 2016-12-08</p> <p>[62] 2,987,297</p>
		<p>[21] 3,224,047 [13] A1</p> <p>[25] EN</p> <p>[54] MATERIALS HANDLING VEHICLE PATH VALIDATION AND DYNAMIC PATH MODIFICATION</p> <p>[54] VALIDATION DE TRAJET ET MODIFICATION DE TRAJET DYNAMIQUE DE VEHICULE DE MANUTENTION DE MATERIAUX</p> <p>[72] THODE, JUSTIN F., NZ</p> <p>[71] CROWN EQUIPMENT CORPORATION, US</p> <p>[22] 2017-08-25</p> <p>[41] 2018-03-01</p> <p>[62] 3,187,789</p> <p>[30] US (62/380,060) 2016-08-26</p> <p>[30] US (62/380,089) 2016-08-26</p>

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

[21] **3,224,206**

[13] A1

[25] EN

[54] **DROUGHT AND HEAT
TOLERANCE IN PLANTS**

[54] **TOLERANCE A LA SECHERESSE
ET A LA CHALEUR CHEZ LES
PLANTES**

[72] CHRISTENSEN, CORY, US

[72] WANG, WUYI, US

[72] YANG, DENNIS, US

[71] CERES, INC., US

[22] 2009-02-13

[41] 2009-08-20

[62] 3,100,435

[30] US (61/029,048) 2008-02-15

Index of Canadian Patents Issued

January 9, 2024

Index des brevets canadiens délivrés

9 janvier 2024

1010210 B.C. LTD.	3,100,201	AOKI, KATSUSHI	3,118,063	BAOXING INTELLIGENT	
10353744 CANADA LTD.	2,994,573	AOKI, YUICHIRO	2,939,785	TECHNOLOGY	
10353744 CANADA LTD.	3,127,882	APOGEAN METAL CO., LTD.	3,014,436	(SHANGHAI) CO., LTD.	3,140,736
10353744 CANADA LTD.	3,128,561	AQSENS HEALTH OY	3,114,536	BARDIOT, DOROTHEE ALICE	
3D GLASS SOLUTIONS, INC.	3,177,603	ARBUTUS BIOPHARMA		MARIE-EVE	3,013,406
ABDALLA, SAID	3,094,261	CORPORATION	3,039,251	BARJON, DANIELE	2,981,628
ABE, KIYOFUMI	3,105,461	ARCULUS-MEANWELL,		BARKER, BERNARD LEA	
ABIVEN, JEAN-GUILLAUME	3,115,911	CLIVE ARTHUR	2,904,523	ALLEN	3,084,749
ABL IP HOLDING LLC	3,156,262	ARDYNE HOLDINGS LIMITED	2,996,785	BASF SE	3,014,326
ABM TECHNOLOGIES, LLC	2,914,708	ARMANDO, LODOVICO	2,992,953	BASF SE	3,018,811
ACHUK ENVIRONMENTAL		ARMANT, D. RANDALL	2,963,968	BASSAGANYA-RIERA, JOSEP	3,135,502
SOLUTIONS PVT. LTD.	3,027,701	ARNONE, ANDREA	3,138,818	BASSINDALE, BRIAN	3,194,202
ADEME, BALAGER	3,007,957	ARRINGTON, DEBRA ANN	3,089,920	BASU MALLICK, PRATEEK	3,000,752
ADISSEO FRANCE S.A.S.	3,017,931	ARRIS ENTERPRISES LLC	3,064,623	BASU MALLICK, PRATEEK	3,016,848
AELIS FARMA	3,090,975	ARRIZZA, JOHN	3,008,005	BATEMAN, GAVIN JAMES	3,009,505
AFRESNE, JEAN-LOUP	2,940,859	ART HEALTHCARE LTD.	2,994,366	BATTELLE MEMORIAL	
AGIWAL, ANIL	2,929,354	ARZI, BOAZ	2,960,268	INSTITUTE	2,998,874
AI, JING	3,053,983	ASHE, WESTLEY S.	3,126,274	BAUDYS, MIREK	3,084,317
AICHINGER, GOTTFRIED	2,998,667	ASTELLAS INSTITUTE FOR		BAUER HOCKEY LTD.	3,135,017
AIR PRODUCTS AND		REGENERATIVE		BAUER, GEORG	2,998,667
CHEMICALS, INC.	3,151,494	MEDICINE	3,006,687	BAYER HEALTHCARE LLC	3,036,818
AIRBUS OPERATIONS GMBH	2,939,785	ASTRONICS ADVANCED		BEAUCHAMP, DANIEL	3,131,389
AKININ, ALEXEY		ELECTRONIC SYSTEMS		BEAUJOT, PATRICK M.	3,084,147
BORISOVICH	3,086,244	CORP.	3,095,840	BECK, JEFFREY LEE	3,073,728
AKTSIONERNOE		ASTRONICS ADVANCED		BECTON, DICKINSON AND	
OBSHCHESTVO		ELECTRONIC SYSTEMS		COMPANY	3,010,348
"GOZNAK" (AO		CORP.	3,128,234	BEECHEM, JOSEPH M.	2,968,519
"GOZNAK")	3,086,244	AUSTRALIAN BIOMEDICAL		BEECK, MARK D.	2,940,390
AL-YOUSIF, AHMED		CO. PTY LTD	3,005,774	BEHRENS, COLLETTE	2,965,414
KHALIFA	2,971,964	AVEZZU', GIORGIO	3,042,328	BEHRENS, RANDALL DEAN	3,029,203
ALBERS, RILEY A.	3,169,778	AYR LTD	2,940,596	BEIJING FUTURE	
ALBERTELLA, MARK	3,014,769	BABCOCK, DAVID E.	2,974,962	NAVIGATION	
ALCON INC.	2,880,365	BACHMAN, ALAN	3,009,173	TECHNOLOGY CO., LTD	3,102,481
ALCON INC.	3,137,417	BAHN, YONG-SUN	3,145,394	BEIJING INNOCARE PHARMA	
ALEO, DANILO	3,019,748	BAK, YOUN-KYUNG	3,134,111	TECH CO., LTD.	3,100,095
ALFA LAVAL COPENHAGEN		BAKER HUGHES HOLDINGS		BEIJING KMT TECHNOLOGY	
A/S	3,170,145	LLC	2,998,880	CO., LTD.	3,142,125
ALLGAIER WERKE GMBH	3,026,581	BAKER HUGHES HOLDINGS		BELL, KEN	2,967,988
ALTO-SHAAM, INC.	3,052,633	LLC	3,137,532	BELL, KEN	2,968,097
ALTSTADT, DAVID	3,074,835	BAKER, AARON	3,012,044	BELLA, RICHARD H.S.	3,156,262
ALTUS INTERVENTION		BAKER, MARCUS	2,945,654	BELLORA, VAL ANTHONY	2,968,211
(TECHNOLOGIES) AS	3,039,749	BAKER, RHODES B.	3,155,437	BEN, YOSEF	2,988,068
ALVES SALGADO, CATARINA		BAKKER, MENKO	3,131,324	BEN-ISMAIL, WALID	2,920,884
MIGUEL	2,984,516	BALAZS, DONALD J.	3,052,706	BENDALL, CLARK	
AMORPHICAL LTD.	2,988,068	BALAZS, DONALD J.	3,066,762	ALEXANDER	2,998,880
AMPHENOL FCI ASIA PTE.		BALESTRINI, ANDREA	3,002,138	BENDER, TIMOTHY P.	2,939,263
LTD.	3,000,962	BALKO, CATHERINE L.	2,942,675	BENDERITTER, PASCAL	2,958,782
AMTIXBIO CO., LTD.	3,145,394	BALLOU, WILLIAM RIPLEY,		BENECKE, HERMAN P.	2,998,874
AN, ZHONGXUN	3,197,829	JR.	2,943,007	BENNETT, ADRIAN	2,940,596
ANDERSEN, KRISTIAN	3,039,749	BANDIS, STEVEN	3,117,628	BERARD, THOMAS	2,920,884
ANDERSON, GREG	3,132,852	BANKS AND ACQUIRERS		BERCHOWITZ, DAVID M.	3,183,632
ANDREY, SALOV	3,149,727	INTERNATIONAL		BERGNER, KAI	3,018,811
ANGQUIST, LENNART	3,009,614	HOLDING	2,913,383	BERGSMA, SHANE ANTHONY	2,984,657
ANSELL, STEVEN	3,039,251	BAOSHAN IRON & STEEL CO.,		BERLOWSKA, JOANNA	3,103,808
ANTOLAK, HUBERT	3,103,808	LTD.	3,146,888	BERNARD, JEAN-MARIE	3,000,479

**Index des brevets canadiens délivrés
9 janvier 2024**

BERNHARDT, PAUL	3,081,509	BP EXPLORATION	CAPELLA THERAPEUTICS,	
BETTCHER, ROBERT EARL, III	3,016,015	OPERATING COMPANY	INC.	3,175,724
BEYETT, TYLER	3,144,402	LIMITED	3,078,842	2,992,953
BEZENCON, CYRILLE	3,099,800	BPG BIO, INC.	2,913,543	CAPITAL ONE SERVICES, LLC
BHAT, KONG POSH	3,133,608	BRADY, MICHAEL	3,050,176	CAPITAL ONE SERVICES, LLC
BIERMANN, LARS	3,158,351	BRANNON, DEREK	3,002,167	CAPITAL ONE SERVICES, LLC
BILLADEAU, MARK, A.	3,171,720	BRASKEM AMERICA, INC.	2,972,803	CAPRETTO EHF.
BIO-RAD LABORATORIES,		BRASKEM AMERICA, INC.	3,025,263	CARAYON, SOPHIE
INC.	3,122,737	BRATVEDT, KYRRE	3,001,187	CARBO CERAMICS INC.
BIOHERBICIDES AUSTRALIA		BRAUER, LOTHAR	3,145,998	CARGILL, INCORPORATED
PTY LTD	3,069,331	BRAZAS, BRUCE	2,981,946	CARGILL, INCORPORATED
BIOOTHERYX, INC.	3,101,335	BRAZAS, MEGAN	2,981,946	CARL ZEISS SPECTROSCOPY
BJ ENERGY SOLUTIONS, LLC	3,092,824	BRECCIA, PERLA	2,984,618	GMBH
BL TECHNOLOGIES, INC.	3,020,231	BREPOHL, ESTHER	3,158,351	3,130,795
BL TECHNOLOGIES, INC.	3,046,294	BRESLICH, GRADY	3,126,670	CARLES PIQUERAS, JOSE
BLACHIER, CHRISTIAN	3,007,040	BRIGHAM YOUNG		MARIA
BLACK, MARC S.	3,013,702	UNIVERSITY	2,965,679	3,059,315
BLACKBERRY LIMITED	2,945,505	BRISTOL, INC., D/B/A		CARLSBERG BREWERIES A/S
BLACKKER, RICKY	3,002,738	REMOTE AUTOMATION		CARLSON, JULIAN PAUL
BLACKWELL, JENNIFER	2,936,773	SOLUTIONS	3,000,001	CARLSON, PAUL JUSTIN
BLASING, BIRGIT	2,964,665	BROWN, ANDRE DAVID	3,002,867	CARON KARDOS, JEAN-
BLEHM, COLIN	2,932,531	BROWN, MICHAEL V.	3,162,794	FREDERIK
BLOM, PETRA	2,958,782	BRUCK, JAMES ARTHUR	2,945,505	3,135,017
BLOND, LAURENT	3,021,300	BRUENE, BERNHARD	2,951,840	CARTER, STEVEN PAUL
BLUM, YIGAL DOV	2,988,068	BRUMFIELD, DAVID L.	2,973,105	3,002,867
BOEHM, JOHANNES	3,147,196	BRUZZI, MARK	2,984,471	CASTELLI, VIRGINIA
BOEV, SERGEY		BSN MEDICAL, INC.	3,100,194	3,010,546
NIKOLAEVICH	3,086,244	BTU RESEARCH LLC	3,076,546	CASTRUCCI, JEFFREY S.
BOHM, SEBASTIAN	2,936,773	BUBAS, MICHAEL	3,129,262	2,939,263
BOHRMANN, BERND	2,879,496	BUCKLEY, NOEL	2,980,086	CASUCCI, MONICA
BOIVIN, GUY	2,979,784	BUDD, ALFRED LEWIS, II	3,016,015	2,958,807
BOIVIN, MAXIME	2,931,993	BUEHLER, MICHAEL J.	3,135,253	CATALDO, JOHN
BOKOWSKI, CHAD	2,980,501	BUEHLER, THERESA ANNE	3,087,583	3,170,145
BOLDUAN, CHRISTOF	2,967,127	BUFORD, JEREMY	3,052,633	CATERPILLAR
BONDANZA, ATTILIO	2,958,807	BUHLER AG	3,101,538	UNDERGROUND MINING
BONDIOLI, PAOLO	2,995,314	BUIJSMAN, ROGIER		PTY LTD
BONFANTI, JEAN-FRANCOIS	3,013,406	CHRISTIAN	2,944,610	3,186,522
BONGIOVANNI, LIVIO	2,992,953	BUILDING MATERIALS		CATERPILLAR
BONINI, MARIA CHIARA	2,958,807	INVESTMENT		UNDERGROUND MINING
BONNIN, THIERRY	3,001,645	CORPORATION	2,922,324	PTY. LTD.
BORJESSON, DORI L.	2,960,268	BURMANIA, IAN	3,017,898	3,169,778
BOSS, DANIEL E.	2,922,324	BURTON, KEVIN	3,005,313	CAVENAGH, RYAN
BOU AREVALO, GERMAN	2,914,708	BUSQUET-GARCIA, ARNAU	3,090,975	3,042,717
BOUAZIZI, IMED	3,133,608	BUSSIERES, FREDERIC	3,004,162	CEASS, RICHARD WALLACE
BOUCHARD, JUSTIN		BUTLER, DAVID J.	3,138,704	3,057,459
EDWARD	2,940,950	BYERS, MARC L.	2,996,805	CEDAR, CHARLES EUGENE
BOUCHARD, PAUL-ANDRE	2,987,217	C.R. BARD, INC.	3,009,173	3,012,677
BOUDREAULT, RENE-		CACELA, CONSTANCA	3,153,788	CENTRE NATIONAL DE LA
CHARLES	3,136,007	CADY, DANIEL	2,904,153	RECHERCHE
BOUILLOT, ANNE MARIE		CAFFERTY, MICHAEL	3,013,694	SCIENTIFIQUE
JEANNE	2,986,609	CAIMI, LUIGI	3,043,440	3,077,105
BOUKAIR, MOE	3,139,690	CAIRNS, PAUL	3,085,901	CEPRESS, CARL ALEXANDER
BOUKAIR, RONALD	3,139,690	CAIRNSURGICAL, INC.	3,097,666	3,001,251
BOURNE, GEORGE	3,097,666	CALLBECK, JAYDEN		CEPRESS, CARL ALEXANDER
BOUSSIF, OTMANE	2,910,693	MICHAEL	3,158,940	3,001,334
BOWDEN, ANTON	2,965,679	CALLEGARO, IVANO	2,994,913	CERF, MARTINE
BOWEN, ADAM	3,132,355	CALMEL, PIERRE-		3,126,268
BOWEN, SHANE	2,951,118	EMMANUEL	2,940,859	CERTAINTED GYPSUM, INC.
BOWLEY, CHRIS	3,009,173	CALMER, MARION	3,079,726	3,008,476
BOWMAN, BRIAN PAYTON	3,169,394	CALVINO, ALEXANDER	3,002,867	CHAGGARES, NICHOLAS
BOWTECH, LLC	3,168,128	CAMELLIA LABS INC	2,993,821	CHRISTOPHER
BOYDSTON, GERALD D.	2,936,796	CANARY MEDICAL INC.	2,953,097	3,004,354
		CANFIELD, JEFF ALLEN	2,981,393	CHAKFE, NABIL
		CANNAN, CHAD	2,904,153	3,002,750
				CHAMPAGNE, ETIENNE
				2,888,418
				CHAN, JUSTIN W.
				2,868,286
				CHAN, KYLE W.H.
				3,101,335
				CHANG, YOUNG-BIN
				2,929,354
				CHANTHALANGSY, ERIC
				3,017,898
				CHARLES, NICHOLA
				3,010,348
				CHARTRAND, DANIEL
				2,888,418
				CHARYCH, DEBORAH H.
				2,978,330
				CHATROUX, ANDRE
				3,000,477
				CHAUHAN, SATYA P.
				2,998,874
				CHAUMILLIAT, CHRISTINE
				3,007,040
				CHAUVETTE, GUILLAUME
				3,086,577
				CHAVEZ, KEVIN
				3,112,801
				CHAWLA, GAURAV
				2,993,821
				CHDI FOUNDATION, INC.
				2,984,618
				CHELAK, TODD
				2,991,440
				CHEMOCENTRYX, INC.
				2,960,733
				CHEN, CHENG-YAO
				2,951,118
				CHEN, CHONG
				2,984,657
				CHEN, DAYAO
				3,186,522

Index of Canadian Patents Issued January 9, 2024

CHEN, HU	3,106,493	COMMISSARIAT A L'ENERGIE	DANA-FARBER CANCER	
CHEN, JIANXIN	3,039,251	ATOMIQUE ET AUX	INSTITUTE, INC.	3,144,402
CHEN, KAIXIAN	3,090,598	ENERGIES	DANBY PRODUCTS LIMITED	3,105,762
CHEN, TIANTIAN	3,090,598	ALTERNATIVES	DANBY PRODUCTS LIMITED	3,119,278
CHEN, WUYAN	3,090,598	COMMONWEALTH	DANG, HARRY	2,992,751
CHEN, XIANGYANG	3,100,095	SCIENTIFIC AND	DANIELSEN, DAVID	3,097,666
CHEN, YUMIN	3,018,219	INDUSTRIAL RESEARCH	DAVIDSON, ROBERT R.	3,108,765
CHENEDE, ALAIN	3,126,268	ORGANISATION	DAVIS, BILL	3,041,314
CHENEY, ERIC PERRY	3,020,575	COMPAGNIE GENERALE DES	DAVIS, JAMES T., II	3,117,628
CHENG, WEI	3,127,882	ETABLISSEMENTS	DAYTON, PAUL	2,973,105
CHEONG, EUNJI	3,145,394	MICHELIN	DCPOWER HOLDING B.V.	3,034,856
CHERINKO, STEPHEN		COMPAGNIE GENERALE DES	DDP SPECIALTY	
ROBERT	3,025,600	ETABLISSEMENTS	ELECTRONIC	
CHEVRON U.S.A. INC.	3,001,187	MICHELIN	MATERIALS US, LLC	3,013,702
CHEWINS, ELLIOTT	2,974,816	COMPAGNIE GERVAIS	DE CLEIR, PIARAS	3,145,998
CHIANG, MING-HUANG	3,014,436	DANONE	DE HALLER, EMMANUEL	2,970,570
CHIESI FARMACEUTICI S.P.A.	2,904,523	CONAIR LLC	DE LA FUENTE, ERNESTO	
CHILDREN'S MEDICAL		CONDIDI, JOHN	TRILLANES, JR.	3,008,005
CENTER CORPORATION	3,132,310	CONKLE, NICHOLAS H.	DE MAN, ADRIANUS PETRUS	
CHINA PETROLEUM &		CONMED CORPORATION	ANTONIUS	2,944,610
CHEMICAL		CONMED CORPORATION	DE WIT, JOERI JOHANNES	
CORPORATION	3,021,606	CONN, JEFFREY DENZEL	PETRUS	2,944,610
CHING YEE ONG, ELWIN	3,001,334	CONNER, MARK	DE' LONGHI APPLIANCES	
CHOI, EUN JUNG	3,134,111	CONOCOPHILLIPS COMPANY	S.R.L. CON UNICO SOCIO	2,994,913
CHOI, JI WON	3,145,394	CONOCOPHILLIPS COMPANY	DE' LONGHI, GIUSEPPE	2,994,913
CHOI, MYOUNG-TAEK	2,880,365	CONTASSOT, DAVID	DEBAD, JEFF, D.	3,171,720
CHOU, SHIH-WEI	2,992,751	CONTRAST, INC.	DEBARTOLO, JOSEPH V.	2,939,876
CHOURASIA, APARAJITA		COOL, PETER JAN	DEBUSSCHERE, SANDY	2,911,016
HOSKOTE	3,101,335	COOPERVISION	DEDIG, JAMES	3,036,818
CHOWDHARY, FERHAJ	2,913,383	INTERNATIONAL	DEERE & COMPANY	2,940,390
CHOWDHURY, SUBRATA	2,890,357	LIMITED	DEERE & COMPANY	2,942,270
CHRETIEN, ALEXANDRE	2,888,418	CORETH, STEFAN	DEHENNIS, ANDREW	3,166,020
CHIACCIA, NATALIE	3,170,145	CORETH, STEFAN	DEJONGE, STUART W.	3,114,088
CIEZOBKA, JORDAN	3,050,922	CORKHILL, ROBIN	DEL BARRIO PEREZ, JAVIER	3,149,755
CIGAN, ANDREW	3,109,801	CORVUS	DELGADO, BYRON LEONEL	3,131,389
CINCEA, CORNELIU	3,000,001	PHARMACEUTICALS,	DEMARAIS, NICHOLAS	3,052,633
CIONEK, SCOTT P.	3,013,694	INC.	DEN HAAN, RIAAN	3,021,166
CJ CHEILJEDANG		COTA, DANIELA	DENG, ZUOZHU	3,142,125
CORPORATION	3,134,111	COTTRELL, LEE	DENIS, ALEXIS	2,986,609
CLAGG, KYLE BRADLEY		COWAN, KEVIN	DENIS, XAVIER P.	3,064,623
PASCUAL	3,138,873	CRICUT, INC.	DENLI, HUSEYIN	3,122,685
CLARE, DAVID S.	3,002,867	CRO, MELINA	DENNIS, JEREMY	3,042,717
CLARK EQUIPMENT		CRRC QIQIHAR ROLLING	DENNIS, LUCAS	2,968,519
COMPANY	3,074,835	STOCK CO., LTD.	DENNIS, NICHOLAS	2,991,440
CLARK, ADAM JOSEPH	2,978,774	CRYSTAL, JEREMY B.	DENOME, FRANK WILLIAM	3,087,583
CLARK, PHILLIP T.	3,100,194	CUI, CHANGDONG	DENTSPLY DETREY GMBH	2,987,514
CLARKE, ADAM	2,965,414	CUI, WEIBIN	DENTSPLY DETREY GMBH	3,024,004
CLARKE, PAUL	2,978,163	CUKJATI, DEBORAH	DERIKX, JOHANNES JOSEPH	
CLARKIN, PHILIP P.	3,073,728	CULLIS, COURTNEY A.	GREGORIUS	3,034,856
CLEARY, PATRICK	3,002,867	CURASIGHT A/S	DERNEDDE, MATTHIAS	3,025,600
CLINE, BENJAMIN KAHN	2,970,831	CURTIS-SMITH, ANDREW	DESPOIS, AUDE	3,099,800
CLOUDBLUE LLC	3,093,831	CUSHER, AARON A.	DEVIALET	2,940,859
COBB, MICHAEL W.	2,868,286	CYPEL, MARCELO	DEXCOM, INC.	2,936,773
COLANGELO, CRISTIANO	3,042,328	CZECK, DAVID J., JR.	DEXTERITY, INC.	3,112,801
COLBY, JIM A.	3,117,628	D'AGOSTINO, DINO PAUL	DHULIPALA, PRASAD D.	3,137,532
COLLINGS, MARTYN		D'AGOSTINO, DINO PAUL	DI CHIO, FEDERICO	3,042,328
WALTER GOODWIN	3,009,505	D'SOUZA, FRANKLYN	DICKIE, PAIGE ELYSE	2,981,380
COLLINS, CORA LYNNE	2,945,505	DAGA, ANDREW W.	DIDIERLAURENT, ARNAUD	
COLLINS, LARRY W.	3,100,194	DAHLBERG, CHRISTIAN	MICHEL	2,943,007
COLLINS, STEPHEN JOHN	3,137,417	DAHLGREN, LYLE J.	DIDUR, JOSHUA	3,052,633
COLVIN, ARTHUR E.	3,166,020	DAI, YANG	DIEHL, MICHAEL	3,025,600
		DALAS, FLORENT	DIGARD, HELENA	3,062,987
		DALE, TREVOR JAMES	DIJKSTRA, HIELKE	2,985,971
			DILLMANN, CHRISTINA	2,951,840

Index des brevets canadiens délivrés 9 janvier 2024

DIMBERG, CHRIS	3,154,426	EATON INTELLIGENT POWER		EXXONMOBIL TECHNOLOGY	
DIMITROV, PHILIP	3,009,702	LIMITED	2,999,896	AND ENGINEERING	
DING, JIAN	3,053,983	EATON INTELLIGENT POWER		COMPANY	3,122,685
DINOIA, TODD D.	3,008,476	LIMITED	3,020,575	F. HOFFMANN-LA ROCHE AG	2,879,496
DIRTT ENVIRONMENTAL		EATON INTELLIGENT POWER		F. HOFFMANN-LA ROCHE AG	3,011,652
SOLUTIONS, LTD.	2,932,531	LIMITED	3,027,361	F. HOFFMANN-LA ROCHE AG	3,138,873
DIX, DINA	3,140,828	EAVOR TECHNOLOGIES INC.	3,085,901	FABRE, SANDY	3,090,975
DO, THOMAS TUAN-HUY	2,952,089	EBEN, KERSTIN SARINA	3,140,827	FAIRWEATHER, ALAN	2,996,785
DOBOSZ, KERIANNE M.	3,129,260	EC BRAND COM IMP EXP DE		FALCO, SAVERIO CARL	3,109,801
DOLBY INTERNATIONAL AB	3,000,905	VEST EM GERAL LTDA	3,073,436	FALLERI, VALENTINA	3,042,328
DOLBY INTERNATIONAL AB	3,147,196	ECK, MICHAEL	3,144,402	FAN, PINGCHEN	2,960,733
DOMAGALA, TERESA	2,965,414	ECKERBOM, ANDERS	2,974,374	FAN, SHUN	3,132,015
DOMINGUEZ, CELIA	2,984,618	ECOLAB USA INC.	3,102,812	FANG, JIANMIN	3,106,493
DONG, GUANGYU	3,090,598	EDWIN, LIONEL ERNEST	3,056,921	FANG, LEI	3,086,434
DONG, XIAO DANIEL	3,025,600	EGGAN, KEVIN	3,132,310	FANGROW, THOMAS F.	3,068,441
DORIA, HEATHER ANNE	3,087,776	EGGINK, PIETER MARTIJN	3,171,505	FARIA, NUNO JORGE	
DOSEN, TODD GREGORY	3,012,677	EIBL, JOHANN	3,116,924	RODRIGUES	3,000,589
DOUDIN, RAPHAEL	3,129,786	EICHERT, CARSTEN	3,158,351	FAUCHER, ALEXIS	3,136,007
DOUGLAS, GRANT BRIAN	2,982,617	EISACKERS, ARMIN SJOERD	2,985,971	FAUST, RUDOLF	3,009,702
DOW GLOBAL		EISENLORD, SARAH	3,050,922	FAVERO, CEDRICK	3,129,786
TECHNOLOGIES LLC	2,990,866	EISINGER, CLAUS	3,010,420	FCCL PARTNERSHIP	2,958,449
DOWEL, TERENCE	3,003,833	EKBLOND, ANNETTE	3,000,912	FEDOROVA, ELENA	
DOWNEN, DANIEL	3,052,802	ELEUTERIO, RICARDO	2,984,471	MIKHAILOVNA	3,086,244
DOYLE, ANTHONY	2,965,414	ELIA, LIRON	2,994,366	FELIX, AUGUSTUS	3,009,173
DRAGER, DORTHE BETTINA	3,171,505	ELKEM ASA	3,119,978	FENG, CHUNLAN	3,090,598
DREWLO, SASCHA	2,963,968	ELLIOTT, LEAH	2,968,211	FERGUSON, GEORDON	
DREWNIAK, MARTA	3,020,540	ELLRICH ENGINEERING, LLC	3,115,992	THOMAS	2,945,505
DRIER, JOHN	3,076,546	ELTEPU, LAXMAN	3,039,251	FERNANDES, JONAS ALVES	2,972,803
DRINK ID SPOLKA Z		EMERT, JACOB	3,009,702	FERNANDES, JONAS ALVES	3,025,263
OGRANICZONA		EMMEALLAENNE S.R.L.	3,011,319	FERNANDEZ CASARES, ANA	3,153,788
ODPOWIEDZIALNOSCIA	3,103,808	ENDE, JOEL	3,074,835	FERNANDEZ GARCIA, JOSE	
DSM IP ASSETS B.V.	3,025,600	ENDO, TAKESHI	2,946,428	LUIS	2,914,708
DU, DEHUI	3,192,438	ENEROTH, ANDERS	3,014,769	FERRARA, MADDI	3,011,413
DUAN, HOULI	3,149,335	ENGLE, JOSEPH	3,002,167	FERREINT, LILIAN	3,007,040
DUAN, XIANGFENG	2,986,897	ENSCORE, DAVID	3,084,317	FERTIN PHARMA A/S	3,085,066
DUAN, YING	2,992,751	ENVISION DIGITAL		FIANOSTICS GMBH	2,998,667
DUCHARME, MATHIEU	3,135,017	INTERNATIONAL PTE.		FIK, CHRISTOPH	3,024,004
DUDEK, KRZYSZTOF	3,165,607	LTD.	3,160,496	FIK, CHRISTOPH P.	2,987,514
DUENCKEL, ROBERT	2,904,153	EPSTEIN, ERIC S.	3,129,260	FIKE CORPORATION	3,130,082
DUFFEY, KEAN	3,056,916	EPSTEIN, ERIC S.	3,129,262	FINNEGAN, PAUL F.	3,162,794
DUFORT, JEAN-FRANCOIS	2,944,435	ERDMAN, PAUL E.	3,101,335	FINOL, JAVIER ADOLFO	
DUMANI, EMIRCAN M.	2,939,876	ERDMAN, WILLIAM F.	3,186,522	GARCIA	2,978,019
DUNAWAY, DWAYNE	2,968,519	ERKKILA, RIIKKA	3,114,536	FIRPO, ISABEL	3,209,324
DUNJIC, MILOS	2,981,380	ESCALIER, GUILHEM	3,001,645	FISHER & PAYKEL	
DUNN, STEVEN BRYAN	2,970,656	ESMAEILI, PAYMAN	3,131,999	HEALTHCARE LIMITED	2,785,433
DUPUIS, KARINE	3,115,911	ESSILOR INTERNATIONAL	3,001,645	FISHER & PAYKEL	
DUQUE, LUIS	2,922,324	ESTES, MICHAEL J.	2,936,773	HEALTHCARE LIMITED	2,938,398
DYBIEC, MACIEJ	3,112,717	ESTILL, JIM	3,105,762	FJ DYNAMICS TECHNOLOGY	
DYKMAN, MELANIE	3,007,039	ESTILL, JIM	3,119,278	CO., LTD	3,132,015
DZIEWIT, JACK H.	3,146,761	ESZTERHAS, SUSAN K.	2,908,253	FLABBI, PAOLA	3,059,315
DZOBA, NAZAR	2,922,324	ETH ZURICH	3,026,706	FLAMAND, JOHN HENRI	2,985,971
E-NITATE		ETH ZURICH	3,094,261	FLEMMING, JEB H.	3,177,603
BIOPHARMACEUTICALS		EUROPEAN MOLECULAR		FLOGISTIX, LP	3,012,044
(HANGZHOU) CO., LTD.	3,096,905	BIOLOGY LABORATORY	2,984,045	FLOREY, GUILLAUME	3,099,800
E. I. DU PONT DE NEMOURS		EUSTACE, DAVID	2,984,045	FLORIDI, GIOVANNI	3,002,138
AND COMPANY	2,868,286	EUWER, MARK C.	2,952,089	FLUERY, TODD	2,945,654
E. I. DU PONT DE NEMOURS		EVOLUTION OPTIKS LIMITED	3,148,708	FOGARTY, TIM	2,978,750
AND COMPANY	3,109,801	EVONIK OPERATIONS GMBH	3,005,313	FOOTE, ARTHUR R.	3,141,606
E.B. ROBINSON LTD.	3,014,242	EVONIK OPERATIONS GMBH	3,025,600	FORMWAY FURNITURE	
EARL, DENNIS DUNCAN	3,000,458	EVOQUA WATER		LIMITED	3,009,505
EASYDAY HEALTH		TECHNOLOGIES LLC	3,025,191	FOSTER, JOSEPH	3,092,824
PRODUCTS INC.	3,125,596	EWELL, EMILY STEED	3,073,436	FRAIL, PAUL ROBERT	3,020,231
EATON INTELLIGENT POWER		EXTANG CORPORATION	3,146,761	FRANCOIS, BRUNO	3,126,268
LIMITED	2,974,008			FRANKLYN, PAUL JOHN	2,999,956

Index of Canadian Patents Issued January 9, 2024

FRASURE, DAVID WILLIAM	2,967,988	GENERAL ELECTRIC		GUANGDONG OPPO MOBILE	
FRASURE, DAVID WILLIAM	2,968,097	COMPANY	2,924,167	TELECOMMUNICATIONS	
FRAUNHOFER-		GENERAL ONCOLOGY, INC.	3,044,959	CORP., LTD.	3,064,648
GESELLSCHAFT ZUR		GENG, MEIYU	3,053,983	GUBLER, JEFFERY V.	3,117,628
FOERDERUNG DER		GENNRICH, DAVID J.	2,922,324	GUERBET	3,126,268
ANGEWANDTEN		GEORGOULIAS, CHRIS		GUILLEMIN, FRANCOIS	3,119,978
FORSCHUNG E.V.	2,951,840	GEORGE	2,967,988	GUNDERSON, KEVIN L.	2,950,298
FREEDOM SCREENS CAPITAL		GEORGOULIAS, CHRIS		GUNDLACH, JENS H.	2,950,298
PTY LTD	3,093,593	GEORGE	2,968,097	GUO, BINGSHI	3,086,434
FREEMAN, KENNETH	2,974,583	GERMERTH, LOTHAR	2,945,889	H.B. FULLER COMPANY	3,145,583
FREER, BENJAMIN AVERY	2,999,896	GERO, THOMAS	3,144,402	HAACK-SORENSEN,	
FREESE, JOHN	3,002,867	GERVAIS, PHILIPPE	3,003,546	MANDANA	3,000,912
FREISSLE, PETER	3,132,852	GIACHI, MARCO	3,138,818	HAAP, WOLFGANG	3,011,652
FREISSMUTH, MICHAEL	2,973,146	GIERKE, TIMOTHY DEE	2,785,433	HAAPOJA, JUHO MIKKO	3,094,133
FRESA, MARC	3,156,916	GILADI, MOSHE	3,103,070	HACK, HARVERY P.	3,136,584
FRESENIUS MEDICAL CARE		GILBERTSON, MICHAEL L.	3,061,728	HAEFNER, STEFAN	3,014,326
HOLDINGS, INC.	3,008,005	GILLEN, ROBERT J.	3,140,480	HAGEN, BRIAN	3,126,559
FRESKGARD, PER-OLA	2,879,496	GIORGINI, ALBERT M.	3,145,583	HAJIBEYGI, HADI	3,001,187
FRETTER, CHRISTOPH	3,108,228	GIPSON, KRISTA E.	3,144,402	HALE, JONATHAN	3,085,901
FRICKER, SEBASTIEN	3,001,645	GIZURARSON, SVEINBJORN	3,028,927	HALLIBURTON ENERGY	
FRIDRISCHAK, SIEGMUND	2,964,665	GLADMAN, JUNE	2,913,665	SERVICES, INC.	3,114,610
FRITZ, RILEY	3,074,835	GLAXOSMITHKLINE		HALTTUNEN, TUOMAS	3,005,769
FU, DAOLIN	3,101,365	BIOLOGICALS S.A.	2,943,007	HAMBLIN, CHRISTOPHER	2,991,683
FU, DIANKUI	3,092,824	GLAZER, ELI, N.	3,171,720	HAN, HUIFENG	3,057,582
FU, JIA	3,192,438	GLAZIER, ARNOLD	3,044,959	HAN, JUNFENG	3,128,707
FUCHS, THOMAS	3,161,179	GLEAVE, MARTIN E.	3,067,269	HAN, XIAO	3,083,294
FUJIFILM SONOSITE, INC.	3,004,354	GLEJBOL, KRISTIAN	3,014,336	HAN, XU	3,090,598
FULKERSON, BARRY NEIL	3,008,005	GLOBAL BAMBOO		HARAMIJA, MARIJA	3,050,176
FUNDACAO UNIVERSIDADE		TECHNOLOGIES INC.	3,126,910	HARDY, CRAIG	2,913,665
FEDERAL DE SAO		GLOBAL COOLING, INC.	3,183,632	HARLIN, ALI	3,009,875
CARLOS	3,121,824	GLYNN, PETER	2,996,003	HARMS, RENEE	2,977,972
FUNG, LEAH	3,101,335	GNASSO, STEFANO	3,042,328	HART, JOSEPH	2,994,967
FUNKE, ANDREAS	3,014,326	GOBEL, JURGEN	3,130,795	HARTE, MATTHEW V.	3,154,426
FURUICHI, SHO	3,009,728	GOC, MATEJ	3,148,708	HARTE, MATTHEW V.	3,155,437
GAGE, ALEXANDER WADE	3,154,426	GODEAU, GILLES	3,003,546	HARTSHORN, RICHARD	
GALVION SOLDIER POWER,		GODFREY, ALASTAIR	3,009,297	TIMOTHY	3,112,453
LLC	3,138,704	GOEHLICH, ROBERT		HARVEST INTERNATIONAL,	
GAMAGE, SILUNI L.	3,002,177	ALEXANDER	2,939,785	INC.	3,122,150
GAMBHIR, V. PRAVEEN	3,106,211	GOJKOVIC, ZORAN	3,022,530	HATCH, DANIEL J.	2,973,105
GAMET, OLIVIER	2,981,628	GOLLY, TIMOTHY THOMAS	2,919,509	HATHER, WESLEY R.	3,093,917
GAN, MING	3,083,294	GONCALVES, FERNANDO D.	3,162,794	HATHERILL, MARK A.	2,970,656
GANDELHEIDT, EDGAR	3,132,282	GOOGLE LLC	3,108,779	HAUG, MARTIN	3,090,345
GANDER, EDWARD J.	3,150,596	GOSALVEZ BERENGUER,		HAUGHAN, ALAN F.	2,984,618
GANESAN,		JAIME	2,914,708	HAWA, GERHARD	2,998,667
PALVANNANATHAN	3,207,795	GOSLING, GEOFF	2,932,531	HE, JIAN	3,128,707
GAO WENXIU, NANCY	3,002,867	GOSELIN, FRANCIS	3,138,873	HE, MOLLY	2,951,118
GAO, GE	3,101,365	GOSSEN, LUKE	3,074,835	HE, QIONG	3,149,335
GAO, HUIRONG	3,109,801	GOTO, HAYATO	3,135,137	HEDAYATPOUR, MOJTABA	3,124,082
GAO, PANLIANG	3,057,582	GOULTER, KEN	3,069,331	HEGDAHL, ROBERT	3,112,801
GAO, YINGXIANG	3,100,095	GRABER, JENS	3,019,404	HEINZEL, ALBRECHT	2,958,526
GARBARK, DANIEL B.	2,998,874	GRABER, JENS	3,019,430	HELGDOTTIR, HELGA	3,028,927
GARCIA ROIG, PAU	3,008,188	GRADY, LEO	3,161,179	HELIOT, DENIS	2,920,884
GARCIA, YAIZA	3,148,708	GRANT, RICHARD		HEMPTON, GORDON L.	3,093,917
GARIEPY, FRANCOIS	3,008,618	ALEXANDER	2,968,211	HENDERSON, RICHARD S.	2,977,972
GARRISH, ROBERT	2,998,197	GRAY, NATHANAE L S.	3,144,402	HEPBURN, NEIL	3,114,610
GAS TECHNOLOGY		GREEN, CHAD	2,968,211	HEPPNER, DAVID	3,144,402
INSTITUTE	3,050,922	GREENE, DANIEL JOSEPH	3,009,173	HERMEZ, LAITH ADEEB	2,785,433
GASKIN, THOMAS K.	2,942,675	GREENGAGE LIGHTING LTD	3,085,053	HERNANDEZ, DIEGO A.	3,122,685
GASS, MARK KUEBLER	3,169,394	GRIFFIN, JEREMY	3,009,173	HESLOUIS, MELANIE	3,001,645
GATLAND, STANLEY D.	3,008,476	GROOTHORNTTE, AREND		HEYER, TONI M.	2,974,962
GEHINDY, FRANK	3,145,998	HENDRIK	2,985,971	HIDISAN, IOANA MIHAELA	3,125,596
GEISSLINGER, GERD	2,951,840	GU, ZHANNI	3,090,598	HIGGINBOTHAM, PAUL	3,151,494
GENDERS, DAVID	3,002,736	GUAN, XIAOCONG	3,053,983	HIGHLIGHT THERAPEUTICS,	
				S.L.	3,063,805

**Index des brevets canadiens délivrés
9 janvier 2024**

HILL, JAYSON	3,030,106	HUBBELL INCORPORATED	2,939,876	IPATIMUP (INSTITUTO DE	
HILTUNEN, MARI	3,009,875	HUBBELL INCORPORATED	3,006,051	PATOLOGIA E	
HIPROMINE S.A.	3,165,607	HUBBELL INCORPORATED	3,057,459	IMUNOLOGIA	
HIRANO, YOSHIYASU	2,939,785	HUBBELL LIGHTING, INC.	3,002,167	MOLECULAR DA	
HIRAO, AYAKO	2,993,513	HUCK, KENNETH W.	2,955,160	UNIVERSIDADE DO	
HIRSCHKORN, DORAN	3,074,835	HUELLER, ROLF	3,103,733	PORTO)	2,984,516
HLI SOLUTIONS, INC.	2,978,774	HUERTAS, PEDRO	3,006,687	ITB PACKAGING LLC	3,013,915
HO, PO Y.	3,009,527	HUGHES NETWORK		IVANIC, RANKO	3,102,851
HODGE, CHARLES A.	3,102,812	SYSTEMS, LLC	3,010,757	IVANYTSKY, OLEG	3,004,354
HODGKINSON, ADAM	3,153,894	HUI, JONATHAN WING-YAN	3,108,779	IWAHORI, YUTAKA	2,939,785
HOFFMAN, DAVID	2,998,045	HULVERSHORN, JUSTIN	3,119,878	JABER, RIMA	3,005,313
HOFLACK, JAN	2,958,782	HUNTER, KRISTA	3,132,355	JACK KENNEDY METAL	
HOGGARTH, ANDREW	2,913,665	HUNTER, WILLIAM L.	2,953,097	PRODUCTS &	
HOLCIM TECHNOLOGY LTD	3,007,039	HUSTON DAVENPORT,		BUILDINGS, INC.	2,945,832
HOLCIM TECHNOLOGY LTD	3,007,040	ADRIENNE	3,014,326	JACKSON, JEFF	2,936,773
HOLLISTER INCORPORATED	3,198,719	HUTCHINSON, PETER	3,002,867	JACKSON, JOHN K.	3,067,269
HOLLOWAY, MATHEW	2,991,683	HUYNH, NEAL VAN	3,004,547	JACOBIO	
HOLMES, WILLIAM	3,006,687	HWANG, JI HYE	3,005,411	PHARMACEUTICALS CO.,	
HOLMSTADT, CLARENCE E.	3,114,588	I-MAB BIOPHARMA CO., LTD.	3,086,434	LTD.	3,057,582
HOLSCHER, THOMAS	3,002,167	IANNCE, STEPHAN P.	2,999,896	JAGGA, ARUN VICTOR	2,981,380
HONEYWELL		ICU MEDICAL, INC.	3,068,441	JAIN, PRAVEEN	2,902,428
INTERNATIONAL INC.	2,946,656	ID NEST MEDICAL	3,002,750	JALBERT, DAVID	3,002,867
HONG, ISU	3,005,411	IDDAN, GAVRIEL J.	2,994,366	JAMBUNATHAN, SRIRAM	3,171,720
HONG, ISU	3,022,872	IFTISSEN, GERARD	3,013,039	JAN, HALL	2,970,570
HONG, JOOHYEON	3,145,394	IGNACZAK, BRIAN, T.	3,072,465	JANEZICH, ROBERT	3,012,677
HONG, SUN WOO	3,005,411	ILIJIC, NIK	3,006,051	JANG, HYEONG MOON	3,177,233
HONG, SUN, WOO	3,022,872	ILLINOIS TOOL WORKS INC.	3,108,765	JANSEN, ANITA	3,114,536
HONG, XIN	2,880,365	ILLUMINA, INC.	2,950,298	JANSMA, BARRY G.	2,952,089
HONTECILLAS, RAQUEL	3,135,502	ILLUMINA, INC.	2,951,118	JANSSEN	
HORI, TAKAKO	3,016,848	IMPERIAL OIL RESOURCES		PHARMACEUTICALS,	
HORIUCHI, AYAKO	3,016,848	LIMITED	3,131,999	INC.	3,013,406
HORNE, MICHAEL THOMAS	2,890,357	INDUCTEV INC.	3,150,596	JANSSEN, MATTHIAS	3,068,441
HOSPICES CIVILS DE LYON	2,979,784	INFINEUM INTERNATIONAL		JARVIS, REBECCA E.	2,984,618
HOTSON, ANDREW	3,009,527	LIMITED	3,009,702	JAVALI, NAGESH	3,010,757
HOU, QIAOHUA	3,106,493	INGRAM-TEDD, ANDREW		JAYANT, RAMAKRISHNAN	3,010,757
HOVIONE SCIENTIA LIMITED	3,153,788	JOHN	2,978,163	JAYARAMAN, MUTHUSAMY	3,039,251
HOWE, GORDON	3,002,867	INGRAM-TEDD, ANDREW		JEFFREY-COKER, BANDELE	3,171,720
HOWELL, ALEXANDRA L.	2,908,253	JOHN	3,000,935	JENKINS, PETER JAMES	3,005,774
HU, CHONGYANG	3,104,756	INNES, DANIEL JOHN	3,002,867	JENSEN, BRIAN	2,965,679
HU, GANG	3,117,243	INNIO JENBACHER GMBH &		JENSEN, LYNDAL	3,102,812
HU, HONGXING	2,984,045	CO OG	3,004,162	JENSEN, MORTEN GEORG	3,022,530
HU, SHAOJING	3,057,582	INNOVO THERAPEUTICS INC.	3,199,349	JEROMINSKI, ADINA	3,140,828
HU, YONGBO	3,144,402	INSERM (INSTITUT		JETHWA, RAKESH THOMAS	2,981,380
HU, YOUHONG	3,053,983	NATIONAL DE LA SANTE		JETTEN, PETER C.	2,977,972
HUA, LI	3,197,829	ET DE LA RECHERCHE		JFE STEEL CORPORATION	3,110,028
HUANG, CHANGJIANG	3,106,493	MEDICALE)	3,090,975	JFE STEEL CORPORATION	3,151,419
HUANG, LIN	3,101,365	INSTITUT NATIONAL DE LA		JHA, RAHUL	3,131,999
HUANG, SHIH-CHUNG	3,144,402	SANTE ET DE LA		JI, YUAN	3,194,444
HUANG, TING-YI	3,014,436	RECHERCHE MEDICALE		JIA, CHENLONG	3,083,294
HUANG, TINGLI	3,197,829	(INSERM)	2,979,784	JIANG, HAO	3,127,882
HUANG, YINFANG	3,117,243	INSTITUT NATIONAL DE LA		JIANG, HUALIANG	3,090,598
HUANG, YU	2,986,897	SANTE ET DE LA		JIANG, JING	3,095,358
HUANG, ZHISONG	3,129,260	RECHERCHE MEDICALE	3,077,105	JIMENEZ, JOAQUIN J.	2,913,543
HUAWEI CLOUD COMPUTING		INTERGAS HEATING ASSETS		JIN, BETTY	3,005,774
TECHNOLOGIES CO.,		B.V.	3,012,119	JOHNSON MATTHEY	
LTD.	2,984,657	INTERMEDIA.NET, INC.	2,969,571	HYDROGEN	
HUAWEI TECHNOLOGIES		INVENTAGE LAB INC.	3,137,819	TECHNOLOGIES LIMITED	3,007,651
CO., LTD.	3,083,294	INVEOX GMBH	3,094,125	JOHNSON MATTHEY	
HUAWEI TECHNOLOGIES		INVINITY ENERGY SYSTEMS		HYDROGEN	
CO., LTD.	3,084,555	(CANADA)		TECHNOLOGIES LIMITED	3,153,894
HUAWEI TECHNOLOGIES		CORPORATION	3,002,736	JOHNSON, ALI CM	2,963,089
CO., LTD.	3,104,373	INVINITY ENERGY SYSTEMS		JOHNSON, LENA VIRGINIA	3,087,776
HUAWEI TECHNOLOGIES		(CANADA)		JOHNSON, MICHAEL	
CO., LTD.	3,104,756	CORPORATION	3,002,738	BENJAMIN	3,025,600

Index of Canadian Patents Issued January 9, 2024

JOHNSON, MOLLY	3,183,910	KIDDE TECHNOLOGIES, INC.	2,968,097	KROHNE, INGO	2,939,785
JOHNSON, NEVIN D.	2,970,656	KIEFFER, JOHANN	3,129,786	KROUSE, MICHAEL	2,968,519
JOHNSON, PAUL ROBERT	2,919,509	KIERAT, RADOSLAW	3,018,811	KRUEGER, ALEXANDER	3,000,905
JOHNSON, RYAN	3,132,852	KILLO, JASON C.	3,154,426	KRUEGER, WILLIAM B.	2,974,583
JOHNSTON, GREGORY	3,036,818	KIM, HYEON JI	3,145,394	KUCHIPUDI, LAKSHMI	3,122,737
JOLIVET, VALERIE	3,001,645	KIM, JI, HYUN	3,022,872	KUHN, BERND	3,011,652
JOLY, JEAN-FRANCOIS	3,148,708	KIM, JU HEE	3,137,819	KULAKOWSKI, JOSEPH	3,052,633
JONES, PAUL ARTHUR	3,005,774	KIM, MINHOE	3,134,111	KULPAKKO, JANNE	3,114,536
JORDAN, TERRY	3,011,413	KIM, SE YEON	3,137,819	KURTZ, ISAAC (DECEASED)	2,962,102
JOZEFIAK, DAMIAN	3,165,607	KIM, SEONG BO	3,134,111	KURUVILLA, DENNY	
JUDGE, FRANCIS PATRICK	2,945,505	KIM, SIWON	3,145,394	DEVASIA	2,981,380
JULIUS, MARK D.	2,971,418	KIMBALL, IAN	2,991,440	KURYATNIKOV, ANDREY	
JULIUS-MAXIMILIANS- UNIVERSITAT WURZBURG	3,000,292	KINCH, OWEN	3,124,082	BORISOVICH	3,086,244
JUNO THERAPEUTICS GMBH	2,945,889	KINOSHITA, YUUKI	3,116,286	KUTCHKO, CYNTHIA	3,129,260
JUUL LABS, INC.	3,132,355	KINZER, ANDREW S.	3,093,917	KUTCHKO, CYNTHIA	3,129,262
JX METALS CORPORATION	3,118,063	KIRCHNER, KARSTEN	3,026,581	KUTIK, ONDREJ	2,946,656
KABUSHIKI KAISHA TOSHIBA	3,135,137	KIRK, PETER BENECICT	2,978,330	KUTSCHER, JOCHEN	3,014,326
KALIMUTHU, ANAND	3,163,705	KIRK, RHYS	3,013,631	KWON, OHJOON	2,992,751
KALISIAK, JAROSLAW	2,960,733	KIRSON, EILON D.	3,103,070	KWS SAAT SE	2,967,127
KAMAT, RAJEEV G.	3,099,800	KISER, WILLIE C.	3,016,428	L & M RADIATOR, INC.	3,012,677
KAMEDA, YASUTOSHI	3,000,962	KISKINIS, EVANGELOS	3,132,310	LACORTE, ANDREA	2,995,314
KAMERBEEK, RALF	2,985,971	KITARU INNOVATIONS INC.	2,984,277	LAFUENTE CERDA, OSCAR	3,018,811
KANAN, CHRISTOPHER	3,161,179	KJAER, ANDREAS	3,106,713	LAGRANGE, DANIE	3,021,166
KANARELLIS, MICHAEL	3,076,546	KLASSEN, ANDREW	3,002,738	LAI, CHOUNG-HOUNG	2,936,796
KANDA, ATSUSHI	2,939,785	KLASSON, BJORN	3,014,769	LAINÉ, CHRISTIANE	3,009,875
KANG, DI	3,057,582	KLEE, JOACHIM	2,987,514	LAKHCHAF, NACER	3,001,645
KANG, PENGJU	2,924,167	KLEE, JOACHIM E.	3,024,004	LALANI, MAAS MANSOOR	
KANSAI PAINT CO., LTD.	3,121,439	KLOIBER-MAITZ, MONIKA	2,967,127	ALI	3,131,389
KARC, JEFFREY	3,155,437	KLUESENER, BERNARD		LALKA, VIPUL KISHORE	2,981,380
KARLSSON, ANDERS	3,029,102	WILLIAM	3,087,776	LAMBERTI S.P.A.	3,002,138
KAROLINCZAK, PAWEL	2,978,163	KLUMP, LESLIE	3,052,633	LANGNES, TOMMY	3,078,842
KARPFINGER, FLORIAN	2,920,884	KNAUF GIPS KG	3,103,733	LANOVA MEDICINES	
KASTRUP, JENS	3,000,912	KNIGHT, DAVID	3,126,910	LIMITED	3,090,726
KATHOLIEKE UNIVERSITEIT LEUVEN	3,013,406	KNODE, GALEN E.	3,155,437	LAPIERRE, PHILIPPE	2,888,418
KAYNAN, NOA	3,103,070	KNOLLY BIKES INC.	2,980,086	LAREDO, WALTER R.	3,137,417
KAZEMI, ZAHRA	2,973,146	KNOTT, SIMON DAVID	2,969,571	LARSSON, JOHAN	3,029,102
KE, PINGBO	3,096,905	KOBAYASHI, AKIO	3,110,028	LAUGEN, JESSE	3,074,835
KEILER, FLORIAN	3,147,196	KOCHHAR, ISHAN DEEP S.	2,958,449	LAUGEN, JESSE J.	3,103,308
KEIR, NANCY J.	3,194,444	KOENIG, DONALD	2,968,211	LAVAZZA PROFESSIONAL	
KELA, LAURA	3,009,875	KOFSTAD, CODY S.	3,103,308	NORTH AMERICA, LLC	3,129,738
KELLY, MATTHEW	3,050,176	KOGER, BIRGIT	3,161,106	LE FLOCH, ALBERT	3,080,726
KEMPTER, ANDREAS	3,018,811	KOKUFU, KARIN	3,151,419	LE GRENEUR, SOIZIC	3,126,268
KENNEDY, JOHN M.	2,945,832	KOLAJA, ROBERT	3,004,354	LEANSE, MATT	2,993,821
KENNEDY, WILLIAM R.	2,945,832	KONDIAH, KULSUM	2,999,956	LEASURE, JOSHUA	2,904,153
KERN, MARK THOMAS	2,967,988	KONINKLIJKE DOUWE		LEBER, ANDREW	3,135,502
KERN, MARK THOMAS	2,968,097	EGBERTS B.V.	2,985,971	LEBERT, JOCHEN	3,025,600
KERNER, RICHARD D.	3,098,848	KORDON, SVEN	3,000,905	LEBLANC, DAVID	3,003,498
KERSTAN, FELIX	3,130,795	KORNILOV, GEORGIY		LEBLANC, LUC	2,944,435
KERTIS, ROBERT CODY	3,025,600	VALENTINOVICH	3,086,244	LEE, CHI HUN	3,149,727
KESCH, CLAUDIA	3,067,269	KORTMAN, CALVIN JAY	3,013,915	LEE, CHULKYU	2,992,751
KESHAV, VIDYA	2,999,956	KORYAKIN, ROSTISLAV	3,093,831	LEE, DANIEL	2,922,324
KESHAVJEE, SHAF	2,935,866	KOSIOR, DAVID W.	3,084,147	LEE, DANIEL	3,005,411
KESTELEYN, BART RUDOLF		KOSKELA, HANNA	3,009,875	LEE, DONG-KI	3,194,444
ROMANIE	3,013,406	KOVALSKI, MICHAEL H.	3,122,685	LEE, HYO JEANG	3,194,444
KETELSON, HOWARD ALLEN	3,137,417	KOWALD, GLENN W.	3,017,898	LEE, JOHN JONG-SUK	2,981,380
KEY, STEFFEN	3,013,840	KOYESS, PHILIPPE	2,888,418	LEE, JONG-SEUNG	3,145,394
KHAFIZOV, RUSTEM	2,968,519	KRASINSKI, ANTONI	2,960,733	LEE, KYUNG-TAE	3,145,394
KHARLAMOV, KONSTANTIN		KREGIEL, DOROTA	3,103,808	LEE, SANGHEON	3,177,233
VLADIMIROVICH	3,086,244	KRESCHOLLEK, BRAD		LEE, SEUNG CHUL	3,149,727
KIDDE TECHNOLOGIES, INC.	2,967,988	MICHAEL	3,154,426	LEE, SOPHIA	3,056,916
		KRISHNASWAMY,		LEE, SUNGKYUN	3,134,111
		VENKATARAMANAN	3,097,666	LEE, YE RIM	3,145,394
		KRISTMUNDSDOTTIR,		LEE, YOUNG MI	3,134,111
		THORDIS	3,028,927	LEFILES, JAMES HOLT	3,041,314
				LEGINUS, JOSEPH, M.	3,171,720

**Index des brevets canadiens délivrés
9 janvier 2024**

LEGRAS, BENOIT	3,129,786	LM WP PATENT HOLDING A/S	3,026,591	MANAHAN, JOSEPH	
LEININGER, NEIL FRANCIS	3,025,600	LO, NAN-SHUN	3,118,300	MICHAEL	2,999,896
LEISSLING, PETER	3,068,441	LOCKHEED MARTIN		MANAHAN, JOSEPH	
LELAND, JONATHAN, K.	3,171,720	ENERGY, LLC	3,020,887	MICHAEL	3,027,361
LEMBERGER, MICHAEL J.	2,936,796	LOCKHEED MARTIN		MANDELL, JEFFREY G.	2,950,298
LEMIEUX, LINDA	3,006,687	ENERGY, LLC	3,056,916	MANGIAFICO, SERGIO	3,019,748
LENNOX INDUSTRIES INC.	3,017,898	LOEHR, JOACHIM	3,000,752	MANGRU, DANNY	2,950,871
LEROUX, JEAN-CHRISTOPHE	3,026,706	LOEHR, JOACHIM	3,016,848	MANION, SEAN J.	3,129,260
LESTINI, FEDERICO	3,011,319	LOEPP, KENNETH	3,074,835	MANOHARAN, MUTHIAH	3,039,251
LETERRIER, THOMAS	3,021,300	LOKON PHARMA AB	2,940,928	MAPPEDIN INC.	3,081,509
LEWIS, ROBERT M.	2,945,459	LOLLAR, JAMES PATRICK	3,065,180	MARAIS, EMMANUELLE	3,126,268
LEYVRAZ, DAVID	3,099,800	LONG, DAVID N.	3,138,704	MARCHAND, ARNAUD	
LG ELECTRONICS INC.	3,177,233	LONG, YUN	3,175,724	DIDIER M	3,013,406
LI BASSI, GIUSEPPE	3,002,138	LONGCHAMBON, KARINE	3,005,288	MARCONDES AGNELLI, JOSE	
LI, FEI	2,924,167	LOPEZ, GEORGE A.	3,068,441	AUGUSTO	3,121,824
LI, GAOMING	3,068,323	LORETZ, JEREMY	3,056,916	MARIN, VLADIMIR P.	3,025,263
LI, GUOBAO	3,146,888	LOSKOG, ANGELICA	2,940,928	MARKKANEN, VARPU	3,073,130
LI, HENG	3,090,598	LOUDON, JONATHAN	3,162,450	MARQUARDT, CRAIG	
LI, JING YA	3,105,461	LOUDON, JONATHAN	3,162,454	EUGENE	3,156,262
LI, JUN	3,146,888	LOUGHNEY, SARAH	2,984,471	MARQUES PRAZERES, HUGO	
LI, RUNSHENG	3,090,726	LOUGUET, STEPHANIE	3,126,268	JOAO	2,984,516
LI, XINCAI	3,135,459	LS MTRON LTD.	3,149,727	MARSH, STEPHEN	2,940,596
LI, ZHONGSEN	3,109,801	LUBIK, PIOTR	3,165,607	MARSICANO, GIOVANNI	3,090,975
LIAO, RU LING	3,105,461	LUBRIZOL ADVANCED		MARTINEZ BONASTRE,	
LIAO, YEN FU	3,077,544	MATERIALS, INC.	2,971,418	ALEJANDRO	3,007,651
LIDDLE, JOHN	2,986,609	LUCKHURST, CHRISTOPHER		MARTINEZ BONASTRE,	
LIENG, THU	2,904,153	A.	2,984,618	ALEJANDRO	3,153,894
LIM, CHONG SOON	3,105,461	LUEBBERS, THOMAS	3,011,652	MARTINKA, GLEN GEORGE	2,978,019
LIM, DONG CHUL	3,199,349	LUFKIN GEARS LLC	2,994,967	MARTINSON, LAURA	2,968,211
LIM, JAE YUN	2,938,398	LUI, REBECCA	2,960,733	MARX, UWE	3,086,725
LIM, YOUNG-KWON	3,133,608	LUKYANOV, ALEXANDER	3,001,187	MASCARENHAS, AUDREY	
LIN, KAI XI	3,009,505	LUMMUS TECHNOLOGY INC.	2,942,675	MARIA	2,940,950
LIN, RENHE	3,129,262	LUO, QIUPING	3,096,905	MASEDA, LUIS	2,991,440
LIN, YANAN	3,064,648	LUO, WENTING	3,106,493	MASIMO SWEDEN AB	2,974,374
LINAN, JOSE RENE	2,942,270	LUSSIER, GUILLAUME	3,148,708	MATE, EDWARD W.	3,186,522
LINDBO, LARS SVERKER		LUTRON TECHNOLOGY		MATHEIS, BRIAN DANIEL	2,919,509
TURE	2,978,163	COMPANY LLC	3,114,088	MATOORI, SIMON	3,026,706
LINDBO, LARS SVERKER		LUTRON TECHNOLOGY		MATTHEWS, KIRT LYVELL	3,025,600
TURE	3,000,935	COMPANY LLC	3,154,426	MAURACHER, CHRISTOPH	2,998,667
LINDE		LUTRON TECHNOLOGY		MAURITS, PETRUS MARIA	
AKTIENGESELLSCHAFT	2,958,526	COMPANY LLC	3,155,437	JANSEN	3,101,538
LINDSTEDT, MIKAEL	3,029,102	LYZNIK, L. ALEKSANDER	3,109,801	MAY, BRIAN A.	3,130,082
LISZKA, MICHAEL	3,014,326	MA, CUNBO	3,057,582	MAYER, LAURENT	2,913,383
LIU, BAOJUN	3,146,888	MA, JING	3,142,125	MAZOIL TECHNOLOGIES	
LIU, CHANG	2,920,884	MA, MENG YAO	3,083,294	LIMITED	3,141,606
LIU, DENGCAI	3,101,365	MA, RICKY	3,170,145	MCANDREW, CHARLES I.	3,076,546
LIU, HONG	3,090,598	MA, ZHEN	3,131,458	MCCAFFERY, IAN	3,009,527
LIU, HUAIBING	2,987,514	MABROUK, RACHID	2,958,526	MCCARTER, ROBERT	
LIU, HUIJUAN	3,142,125	MACDONALD, CODY J.	3,122,685	ALEXANDER	2,981,380
LIU, JIANGUO	3,128,561	MADSEN, JACOB	3,106,713	MCCARTHY, MELISSA	3,059,315
LIU, JOHNNY ZHENGRONG	3,102,812	MAGIC LEAP, INC.	3,056,921	MCCLELLAND, ADAM	3,209,324
LIU, JUAN	3,135,459	MAGNESS, CAMERON	3,042,717	MCCOOK, JOHN PATRICK	2,913,543
LIU, KUANG-HUNG	3,122,685	MAGNO, LUIGI MARINO	3,116,924	MCCORMICK, CASEY	3,059,315
LIU, KUNPENG	3,084,555	MAIER, MAXIMILIAN	3,024,004	MCCORMICK, PATRICK	
LIU, MINGYAO	2,935,866	MAIER, PETER	2,879,496	JOSEPH	3,004,547
LIU, PENGFEI	3,096,905	MAILLARD, MICHEL C.	2,984,618	MCDERMOTT, MICHAEL	3,036,818
LIU, WEI D. (DECEASED)	3,122,685	MAINTAIN YOUR EDGE, LLC	3,052,802	MCDONALD, CONOR	
LIU, YANG	3,053,983	MAIOLO, CHRISTINE	3,081,509	PATRICK	3,008,476
LIU, YUEAI	2,880,365	MAITY, DEBOTYAM	3,050,922	MCDONALD, MATTHEW	
LIU, YUFEI	3,096,905	MAKIAH, SAMA NAZAR	3,002,138	PHILIP	3,154,426
LIU, YUWEN	3,194,444	MALCUIT, CHRISTOPHER	3,006,687	MCGHEE, BRANT R.	2,955,160
LIU, ZHAN-BIN	3,109,801	MALENKOVIC, PETER	3,133,549	MCGOVERN, RONAN	3,170,145
LIU, ZHENGWEI	3,137,532	MALOTT, DAN A.	3,130,082	MCCLEAN, PAUL	3,105,762
LLAS VARGAS, SALVADOR	3,008,188	MANAHAN, JOSEPH M.	2,974,008	MCCLEAN, PAUL	3,119,278

Index of Canadian Patents Issued January 9, 2024

MCMAHON, FRANCIS J.	3,150,596	MOSER, MATTHEW		NIELSEN, LARS	3,026,591
MCMAHON, WILLIAM F.	3,052,706	ALEXANDER	3,004,547	NIESSEN, MARKUS	2,967,127
MCMAHON, WILLIAM F.	3,066,762	MOSER, RUDIGER	3,127,631	NIEWOEHNER, JENS	2,879,496
MECS, INC.	3,119,952	MOTOROLA SOLUTIONS, INC.	3,209,324	NILL, JOHN B.	3,155,437
MEDINA, MANUEL A.	3,093,917	MOTOYAMA, MASAHIKO	3,000,962	NIMMUNE BIOPHARMA, INC.	3,135,502
MEDIVIR AKTIEBOLAG	3,014,769	MOUAZEN, MOUHAMAD	2,981,628	NINE MEDICAL, INC.	2,970,831
MEDIVIS S.R.L.	3,019,748	MU, XUCHENG	3,102,481	NINGBO TREE NEST	
MEDLINE INDUSTRIES, INC.	3,119,878	MU, XUHONG	3,021,606	INTERNATIONAL	
MEDTRADE PRODUCTS		MUELLER, ERIK	3,013,840	TRADING CO., LTD.	3,137,660
LIMITED	2,913,665	MUELLER, MICHAEL		NINGDE AMPEREX	
MEI, QIAN	2,968,519	KLEMENS	3,018,811	TECHNOLOGY LIMITED	3,095,358
MELILLI, BARBARA	3,019,748	MUHR, NICOLAS	2,969,412	NISHI, TAKAHIRO	3,105,461
MEMARI, KEVAH	2,940,596	MULLER, CLEMENS	3,158,351	NOBEL BIOCARE SERVICES	
MEMMOLO, MARCELLO	2,970,570	MUNCHKIN, INC.	2,970,656	AG	2,970,570
MENDES, EDUARDO	2,940,859	MURATA, HIROSHI	3,121,439	NOPCO PAPER TECHNOLOGY	
MENDES, ZITA	3,153,788	MURISON, IAN	2,940,596	GMBH	2,964,665
MENON, SAMIR	3,112,801	MURPHY, GABRIELLE	2,945,459	NORALTA TECHNOLOGIES	
MERCK PATENT GMBH	2,961,426	MURPHY, JOHN G.	2,984,277	INC.	3,158,940
MERCURIO, FRANK	3,101,335	MURUGESAN, SANKARAN	3,137,532	NORMA U.S. HOLDING LLC	3,072,465
MERTEN, CHRISTOPH A.	2,984,045	MYALL, PATRICK	3,132,355	NORRGA, STAFFAN	3,009,614
MERZ PHARMA GMBH & CO.		NACK, WILLIAM	3,138,873	NORTHERN DIGITAL, INC.	3,126,274
KGAA	2,974,450	NAGAHAMA, HIDEAKI	3,116,286	NORTHROP GRUMMAN	
MESO SCALE		NAGARAJAN, AMUTHA	3,020,231	SYSTEMS CORPORATION	3,136,584
TECHNOLOGIES, LLC.	3,171,720	NAGRAVISION S.A.	2,968,038	NOURRY, CHRISTINE	3,005,288
METNA, MATHILDE	3,090,975	NAGU, MUTHUKUMAR	3,020,231	NOVA BIOMEDICAL	
MEYER, DANIEL	3,002,867	NAKAMURA, NAOMICHI	3,110,028	CORPORATION	3,013,694
MICHAEL, NICHOLAS O.	3,119,970	NAKASEKO, MAKOTO	3,110,028	NOVELIS INC.	3,099,800
MICHEL, CHRISTOPH	3,149,755	NANOSTRING		NOVOCURE GMBH	3,103,070
MIKKELSEN, METTE SKAU	3,022,530	TECHNOLOGIES, INC.	2,968,519	NP MEDICAL INC.	2,991,440
MILBANK MANUFACTURING		NAPIER, LORI	3,140,828	NUHFER, MATTHEW W.	3,114,088
CO.	3,126,559	NARAIN, NIVEN RAJIN	2,913,543	NUOVO PIGNONE	
MILJKOVIC, MILOS	3,118,950	NATIONAL OILWELL VARCO		TECNOLOGIE - S.R.L.	3,010,546
MILLER, MARK SHERWOOD	2,967,988	DENMARK I/S	3,014,336	NUOVO PIGNONE	
MILLER, MARK SHERWOOD	2,968,097	NATIONAL OILWELL VARCO,		TECNOLOGIE - S.R.L.	3,138,818
MILLER, RICHARD A.	3,009,527	L.P.	2,952,089	O'HALLORAN, MARTIN	2,984,471
MILLS, ANDREW J.	3,098,848	NATIONAL OILWELL VARCO,		O'HARA, WAYNE DOUGLAS	3,009,505
MINIBREW HOLDING B.V.	3,020,461	L.P.	2,978,019	O'MALLEY, RACHEL LOUISE	3,007,651
MIRGUET, OLIVIER	2,986,609	NATIONAL UNIVERSITY OF		O'SHEA, PAUL, D.	3,138,873
MITCHELL, JASON	2,936,773	IRELAND, GALWAY	2,984,471	OBBERG, FREDRIK	3,014,769
MITROVIC, LAZAR	2,968,553	NAVARRO, MIGUEL	3,020,401	OBSHCHESTVO S	
MODEER, TOMAS	3,009,614	NCH CORPORATION	3,020,540	OGRANICHENNOY	
MOINE, HERVE	3,077,105	NEDERBERG, FREDRIK	2,868,286	OTVETSTVENNOST'YU	
MOJOW AUTONOMOUS		NEEDHAM, RILEY B.	3,068,323	"OBEDINENNAYA	
SOLUTIONS INC.	3,124,082	NEKTAR THERAPEUTICS	2,978,330	KOMPANIYA RUSAL	
MOLLER, BIRTHE	3,022,530	NELLESSEN, BERNHARD	2,964,665	INZHENERNO-	
MOLMED SPA	2,958,807	NELSON, JEFFREY DAVID	2,940,950	TEKHNOLOGICHESKIY	
MONLEZUN, STEPHANIE	3,090,975	NEOS SURGERY, S.L.	3,008,188	TSENTR"	3,154,865
MONSEES, JAMES	3,132,355	NESTE OYJ	3,073,130	OCADO INNOVATION	
MONTEIRO BATISTA, RUI		NETHERLANDS		LIMITED	2,978,163
PEDRO	2,984,516	TRANSLATIONAL		OCADO INNOVATION	
MORA, JAVIER	2,951,840	RESEARCH CENTER B.V.	2,944,610	LIMITED	3,000,935
MORCO, STEPHANIE	2,965,679	NEWLIN, SCOTT KENNETH	2,967,988	OECHSLE, DIETMAR	3,013,840
MORETTI, NADIA	2,981,380	NEWLIN, SCOTT KENNETH	2,968,097	OHD, JOHN	3,014,769
MORGAN, AARON PATRICK	3,012,677	NEWMAN, ROBERT C., JR	3,114,088	OLIER, PHILIPPE	3,000,479
MORGAN, KEITH	2,968,553	NEYRAND, CORINNE	3,007,039	OLIX PHARMACEUTICALS,	
MORINAGA, TADAHIKO	3,108,265	NGUYEN, BINH THANH	2,972,803	INC.	3,005,411
MORITA KAGAKU KOGYO		NGUYEN, BINH THANH	3,025,263	OLIX PHARMACEUTICALS,	
CO., LTD.	2,979,166	NGUYEN, TRONG-TIN	3,115,911	INC.	3,022,872
MORITA, TOYOSHIGE	2,979,166	NI, FEI	3,101,365	OLSEN, DONALD B.	3,117,628
MORITANI, TATSURU	3,108,265	NICOVENTURES TRADING		OLSON, ERIK	2,968,211
MOROSCHAN, CASEY	2,944,709	LIMITED	3,062,987	OLVERA, EDUARDO	3,106,211
MORRIS-DOWNING, TALBOT	3,112,801	NIELSEN, BRUNO		OMNIBRX	
MORTUN, SORIN I.	2,939,876	PROVSTGAARD	3,085,066	BIOTECHNOLOGIES	
		NIELSEN, KENT ALBIN	3,085,066	PRIVATE LIMITED	3,017,434

**Index des brevets canadiens délivrés
9 janvier 2024**

OMURA, MASAHIRO	3,121,439	PEGORARI, BRUNO	3,002,138	PRATS, JAYNE	2,904,523
ONCODESIGN PRECISION MEDICINE (OPM)	2,958,782	PEI, WEI	2,984,657	PRATT & WHITNEY CANADA CORP.	2,968,553
ONG, ELWIN CHING YEE	3,001,251	PENG, XIA	3,053,983	PRECITEC GMBH & CO. KG	3,127,631
ONOUÉ, SATOMI	3,108,265	PEREZ, ERIC	3,017,898	PREMIER COIL SOLUTIONS, INC.	3,029,203
OONI LIMITED	3,010,396	PEREZ, NICOLAS	3,072,040	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	3,132,310
OPTASENSE HOLDINGS LIMITED	3,009,297	PERNOT, MATTHEW THOMAS	3,020,575	PRETZ, MATTHEW T.	2,990,866
ORBIS CORPORATION	3,052,706	PERSPECTUM LTD	3,050,176	PREVERAUD, DAMIEN	3,017,931
ORBIS CORPORATION	3,066,762	PERSSON, MORTEN	3,106,713	PREVITE, MICHAEL	2,951,118
ORCHARD, KIERAN MICHAEL	2,785,433	PESSINA, MICHAEL W.	3,114,088	PRIEFERT, HORST	3,025,600
OREJAS, MARTIN	2,946,656	PETERS, EUGENE MAX, JR.	3,018,219	PRINZ, ADRIAN	2,998,667
OREN TECHNOLOGIES, LLC	2,996,003	PETERS, JENS-UWE	3,011,652	PRIOUL, ROMAIN CHARLES ANDRE	2,920,884
OREN, JOSHUA	2,996,003	PETERSON, DAVE	3,072,465	PRYOR, JACK	2,936,773
ORINO, D. CHRISTOPHER	3,115,992	PETROFF, ANTOINE	2,940,859	PRYSMIAN S.P.A.	3,043,440
ORTHOSOFT ULC	3,115,911	PETROSLEEVE INCORPORATED	3,083,013	PUCHKOFF, JEROME	3,155,920
OTERRA A/S	3,140,828	PETTAG AUSTRIA GMBH	3,126,268	PUNNA, SREENIVAS	2,960,733
OTTENSCHOT, MARC HENRIKUS JOSEPH	2,985,971	PFEIFER, HOLGER	3,025,600	PURI, PREM	2,984,471
OTTER PRODUCTS, LLC	3,042,717	PHALNIKAR, KOUSTUBH, A.	3,171,720	PUZANOV, IL'YA IVANOVICH	3,154,865
OUTREACH CORPORATION	3,093,917	PHAM, NHAN VIET	3,008,005	PYROTEK, INC.	2,977,972
OUZUNOVA, MILENA	2,967,127	PHARMANUTRA S.P.A.	2,995,314	Q-BOT LIMITED	2,991,683
PAHLEVANINEZHAD, MAJID	2,902,428	PIAZZA, PIER VINCENZO	3,090,975	QI, SONG TAO	2,945,505
PAIGE.AI, INC.	3,161,179	PIELA, NICHOLAS J.	3,138,704	QIAN, JIALIN	3,160,496
PAILLET, FREDERIC	2,942,270	PIERCE, RYAN KENDALL	2,970,831	QIU, QUANLONG	3,140,736
PALL CORPORATION	3,013,840	PIJPERS, JOSEPH JOHANNES HENRICUS	3,020,887	QUALCOMM INCORPORATED	2,992,751
PALMER TRUCKS, INC.	3,119,111	PINCHES, CHRISTOPHER	3,002,867	QUANTINET, BENJAMIN	3,003,546
PALMROOS, JOHN ERIK MICHAEL	3,008,005	PIONEER HI-BRED INTERNATIONAL, INC.	3,109,801	QUBITEKK, INC.	3,000,458
PAN, SHANGZHI	2,902,428	PIZZORNO, MARIO	2,979,784	QUESTOR TECHNOLOGY INC.	2,940,950
PANANDIKER, RAJAN KESHAV	3,087,776	PLANELLES CARAZO, LOURDES	3,063,805	QUINARD, JEREMY	2,969,412
PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA	3,016,848	PLATONOV, VITALIJ VLADIMIROVICH	3,154,865	QUINTERO ORTIZ, MARISOL	3,063,805
PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA	3,105,461	PLATT, JOSEPH EDWARD	3,020,575	QUITTERER, URSULA	3,094,261
PANG, GUOFENG	3,004,354	PLINT, TREVOR	2,939,263	R. J. REYNOLDS TOBACCO COMPANY	3,007,957
PANG, YUCHENG	3,100,095	PLOEG, ROBERT WILHELMUS	3,034,856	R.J. REYNOLDS TOBACCO PRODUCTS	3,027,753
PAPADOPOULOS, MARCUS STEPHEN	3,009,173	POFI, LUCA	3,011,319	RAASAKKA, JUSSI	2,946,656
PARAMOUNT PRODUCTS 1 LLC	3,041,314	POGLIANI, STEFANO	3,043,440	RABE, CHRISTIAN	3,025,600
PARK, EUL-SOO	3,134,111	POHLE, SVEN	2,987,514	RABOISSON, PIERRE JEAN- MARIE BERNARD	3,013,406
PARK, JONG HYUN	3,145,394	POIRER, DAVID W.	3,002,867	RACINE, REGENT	3,125,596
PARK, JUNG GYU	3,199,349	POIRIER, MICHEL	2,987,217	RAGG, JOHANN CHRISTOF	2,954,023
PARK, KI DUK	3,145,394	POIRIER, RANDAL	3,017,898	RAILKAR, SUDHIR	2,922,324
PARK, KYONG HO	3,149,727	POLARIS INDUSTRIES INC.	3,098,848	RAJAGOPALAN, BHUMA	2,868,286
PARKER, KENT WALLACE	3,009,505	POLARIS INDUSTRIES INC.	3,103,308	RAJEEV, KALLANTHOTTATHIL G.	3,039,251
PARKER-HANNIFIN CORPORATION	2,981,393	POLLARD, MATTHEW	2,965,414	RAMACHANDRAN, SUNDER	3,137,532
PARKLING GMBH	3,108,228	POLY-MED, INC.	3,007,254	RAMIREZ, ALEXANDER	2,920,884
PARNHAM, MICHAEL JOHN	2,951,840	POLY-MOR CANADA INC.	2,944,709	RAMME, ANJA	3,086,725
PARVIN, CURTIS	3,122,737	POLYDECK SCREEN CORPORATION	3,132,852	RAMPERSAD, RAVI	3,073,728
PASSPORT TECHNOLOGIES, INC.	3,084,317	POP, CRISTINA	3,014,326	RANGARAJAN, REKHA	3,137,417
PATEL, MUSHTAQ AHMED	3,025,263	PORTER, MICHAEL A.	3,018,218	RASANEN, JARI	3,009,875
PATEL, RAVINDRAKUMAR DHIRUBHAI	3,017,434	PORTER, MICHAEL A.	3,018,219	RASHID, S.M. MAMUN UR	2,978,019
PATEL, SANJIV N.	2,942,675	POULAIN, ISABELLE	3,001,645	RATHBONE, DANIEL	3,009,173
PAYNE, DAVID A.	2,940,390	POURNAGHI, REZA	2,984,657	RAUTIO, MARKKU	3,005,769
		POWELL, JONATHAN JOSEPH	3,000,589	RAVEN INDUSTRIES, INC.	3,119,970
		POWER PRODUCTIONS GROUP LLC.	3,140,562	RAYTHEON TECHNOLOGIES CORPORATION	2,945,459
		POWERS, JAY	2,960,733	READ, PETER A.	2,904,153
		POZUELO RUBIO, MERCEDES	3,063,805	REDMAN, PAUL W.	3,067,860
		PPG INDUSTRIES OHIO, INC.	3,129,260	REDMAN, ROBERT S.	3,002,177
		PPG INDUSTRIES OHIO, INC.	3,129,262	REDMOND, CHASE	3,074,835
		PRADO BETTINI, SILVIA HELENA	3,121,824		

Index of Canadian Patents Issued January 9, 2024

REIFENHAUSER GMBH & CO. MASCHINENFABRIK	3,132,282	ROSEMOUNT AEROSPACE INC.	2,919,509	SCHLUMBERGER CANADA LIMITED	2,920,884
REINHARDT, GREGORY E.	2,945,459	ROSEMOUNT AEROSPACE INC.	2,974,583	SCHLUMBERGER CANADA LIMITED	2,946,428
RELAN, PETER A	2,993,821	ROSEMOUNT INC.	3,114,588	SCHLUMBERGER CANADA LIMITED	3,001,187
REMEGEN, CO., LTD.	3,106,493	ROSILIO, VERONIQUE	3,017,931	SCHMID, JUERG	2,982,221
REN, WENMING	3,053,983	ROSSI, ANTHONY M.	3,046,294	SCHMIDT, AARON CHRISTOPH	3,026,706
RENGER, KARL-HEINZ	3,019,404	ROSSI, STEVEN	3,162,450	SCHMIDT, KARL	3,119,878
RENGER, KARL-HEINZ	3,019,430	ROSSI, STEVEN	3,162,454	SCHMITT, VERONIKA	3,067,269
RENGER, MARINA	3,019,404	ROTHENBERGER, RICHARD E.	2,974,008	SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD.	3,131,458
RENGER, MARINA	3,019,430	ROTHROCK, BRANDON	3,161,179	SCHNEIDER, CURTIS	3,098,848
RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC	3,021,606	ROUSSEAU, BENJAMIN	3,001,645	SCHNEIDER, DAVID J.	2,904,523
RESOP, SHANNON ELIZABETH ETHIER	3,025,600	ROWLANDS, STEPHEN ALLAN	2,962,102	SCHNEIDER, STEVEN	3,017,898
RETI TELEVISIVE ITALIANE S.P.A. IN FORMA ABBREVIATA R.T.I. S.P.A.	3,042,328	RSP GMBH & CO. KG	3,019,404	SCHOLL, STEPHAN	3,158,351
REVEST, JEAN-MICHEL	3,090,975	RSP GMBH & CO. KG	3,019,430	SCHOWENGERDT, BRIAN T.	3,056,921
RICHARDSON, JULIAN	3,162,450	RUBECHINI, FILIPPO	3,138,818	SCHRODER, AXEL	3,005,313
RICHARDSON, JULIAN	3,162,454	RUCKLE, JARROD	2,940,390	SCHROER, DANIEL R.	3,013,702
RICKETTS, MELISSA	3,156,262	RYAN, KEVIN M.	3,010,348	SCHUETTE, CHAD V.	3,013,702
RICO DE OLIVEIRA VINAGRE, JOAO PEDRO	2,984,516	SABIO, SERGE	3,007,039	SCHURR, MACKENZIE D.	2,887,238
RICOH COMPANY, LTD.	3,108,265	SAFER SYRINGE INNOVATIONS PTY LTD	3,004,771	SCHWARTZ, RICHARD ALAN	2,974,583
RIDDELL, DEREK	3,085,901	SAGE, MEURIG	3,209,324	SCHWARTZ, VALARIE	3,108,765
RIDLEY, DEVIN	3,065,180	SAINT, SEAN T.	2,936,773	SCIBREAK AB	3,009,614
RIEGER, PETER	3,020,467	SAINT-DENIS, THIERRY	3,059,315	SCIPHARM SARL	2,973,146
RIEGL LASER MEASUREMENT SYSTEMS GMBH	3,020,467	SAINT-GOBAIN PLACO SAS	2,936,796	SCOREVISION, LLC	2,980,501
RIGSHOSPITALET	3,000,912	SAITA, MARIA GRAZIA	3,019,748	SCOTT, DAVID A.	3,144,402
RIIKONEN, PETER	3,069,331	SALIKOV, VITALIJ	3,158,351	SEAH, EE-LING	3,005,774
RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V.	3,171,505	SAMPSON, MARTIN ELLIOTT	3,098,848	SEATTLE CANCER CARE ALLIANCE	2,963,089
RIKE, JAMES B.	3,119,111	SAMSUNG ELECTRONICS CO., LTD.	2,929,354	SEB S.A.	2,969,412
RIKKSSEN	3,013,039	SAMSUNG ELECTRONICS CO., LTD.	3,133,608	SEB S.A.	3,021,300
RIOUX, ROBERT F.	3,097,666	SANDOVAL, FERMIN A.	2,990,866	SEBASTIAN, ANDRIES DON	3,027,753
RIPLEY, ANTHONY	3,098,848	SANJABI, SAM	2,984,657	SEIB, BRENT DONALD	2,958,449
RITTEC UMWELTECHNIK GMBH	3,158,351	SANOFI	2,910,693	SEIDEL, GREG	2,919,509
ROBERTS, ANTHONY GERARD	3,093,593	SANTISO BRANDARIZ, REBECA	2,914,708	SEITTER, MICHAEL FRIEDRICH HERMANN	3,014,326
ROBIC, CAROLINE	3,126,268	SANTOS, RODRIGO ESCORCIO	3,061,902	SENSEONICS, INCORPORATED	3,166,020
ROBINSON, ERIC BRIAN	3,014,242	SAS INSTITUTE INC.	3,169,394	SERRAHIMA TORNEL, MARC	3,008,188
ROBINSON, GREGORY J.	3,046,294	SATO, HIDEYUKI	3,108,265	SETH, SAMIR NATH	3,092,824
ROCKEFELLER, DONALD HUGH	2,994,967	SAVANT TECHNOLOGIES LLC	3,036,005	SEVERT, RICHARD J.	3,009,702
RODD, AARON	3,093,593	SAVILLE-STONES, ELIZABETH A.	2,984,618	SEVIGNY, CHARLES	3,086,577
RODRIGUES, TOMMY F.	2,922,324	SAXTON, MATTHEW JOSEPH	2,970,656	SHAH, RAHUL ABHAYKUMAR	3,027,701
RODRIGUEZ-RAMON, RICARDO	3,092,824	SCARLATA, ANDREW FRANCIS	2,974,008	SHAN, FUHUA	3,131,458
ROGERS, VICTORIA	3,194,444	SCARLATA, ANDREW FRANCIS	3,020,575	SHANDONG AGRICULTURAL UNIVERSITY	3,101,365
ROMAN, KEVIN JAMES	3,029,203	SCARLATA, ANDREW FRANCIS	3,027,361	SHANGHAI AOWEI TECHNOLOGY DEVELOPMENT CO., LTD.	3,197,829
ROMANO, PERRY	2,978,774	SCHAFFER, TINA	3,000,292	SHANGHAI ENVISION DIGITAL CO., LTD.	3,160,496
ROMIG, ALAN	3,117,628	SCHANILEC, BENJAMIN	3,074,835	SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES	3,053,983
ROMWELL, DAVID A.	3,064,623	SCHARF, EITAM	3,040,215	SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES	3,090,598
RONAGHI, MOSTAFA	2,951,118	SCHARF, IFTACH	3,040,215	SHANGHAI LIANGXIN ELECTRICAL CO., LTD	3,117,243
RONG, DAITING	2,936,773	SCHENKER, ACHIM	2,964,665		
RONNKVIST, THOMAS M.	3,038,771	SCHINDLER, RENE	3,072,465		
ROPARS, GUY	3,080,726	SCHINDLY, BRIAN	3,011,413		
ROPER, CLARK L.	3,117,628	SCHLAGE LOCK COMPANY LLC	3,133,549		
ROPER, TODD	2,904,153	SCHLEICH, RALF	3,010,420		
ROSA-CALATRAVA, MANUEL	2,979,784				

**Index des brevets canadiens délivrés
9 janvier 2024**

SHANGHAI LINGHUO TRADING CO., LTD.	3,192,438	SNICKARS, CARLO	3,010,546	SUN, JIN	3,149,335
SHAO, JINHUA	3,149,335	SNIPER (SUZHOU) LIFE TECHNOLOGY CO., LTD	3,089,411	SUN, MINGYI	3,021,606
SHARKNINJA OPERATING LLC	3,002,867	SOARES DIAS FERREIRA, ANA PAULA	2,984,516	SUN, ZHOUWEN	3,112,801
SHASHIDHAR, SUGHOSH PAVAN	3,105,461	SODERLUND, MIKKO JUHANI	3,027,753	SUO, LULU	3,197,829
SHAW, DON F.	2,990,866	SOKOLOV, IGOR	3,118,950	SUPERSAXO, ANDREAS	2,982,221
SHCHEPIN, VIKTOR GENNADIEVICH	3,086,244	SOLAJIRAJ, SRIRAM	3,068,323	SURE HANG, LLC	3,030,106
SHEARER, THOMAS M.	3,114,088	SOLARVEST BIOENERGY INC.	2,890,357	SURMODICS, INC.	2,974,962
SHELINBARGER, RICH D.	3,133,549	SOM DE CERFF, VICTORIA M.	3,122,685	SUSNJARA, KENNETH J.	3,118,577
SHEN, JIDA	3,096,905	SONY CORPORATION	2,986,455	SUTHERLAND, JOHN JOSEPH	2,940,950
SHEN, KANYI	3,146,888	SONY CORPORATION	3,009,728	SUTTER, CATRIONA A.	3,002,867
SHEN, NAN	3,106,493	SOSENKO, ERIC	3,162,450	SUTTER, DAVID	2,980,501
SHEN, WANG	3,096,905	SOUND FUN CORPORATION	3,150,360	SUTTER, LEVI	3,020,401
SHEN, YONGQUAN	3,132,015	SPARQ SYSTEMS INC.	2,902,428	SUZANO S.A.	3,121,824
SHENG, GUANGJI	3,089,411	SPECIALTY GRANULES INVESTMENTS LLC	3,120,951	SUZUKI, HIDETOSHI	3,016,848
SHERRATT, CORALINE	3,081,509	SPENCE, JAY STUART	3,048,778	SUZUKI, MASAHIRO	3,150,360
SHETH, DISHA B.	2,936,773	SPIKES, GEOFFREY HUGH	3,007,651	SUZUKI, MASARU	3,135,137
SHI, JINRUI	3,109,801	SPITZER, COREY	2,980,501	SVITASHEV, SERGEI	3,109,801
SHI, SIMON	3,145,998	SPOHN, MICHAEL	3,036,818	SWARTZ, DOUGLAS	3,119,878
SHIMOKAWATOKO, YASUTAKA	2,993,513	SPORT MASKA INC.	2,888,418	SWATZEL, KENNY	3,076,546
SHIN, SUN MI	3,134,111	SPORT MASKA INC.	3,136,007	SWIMC LLC	3,011,413
SHINTANI, PETER	2,986,455	SPRAGUE, ISAAC	2,968,519	SWISS VX VENENTHERAPIE UND FORSCHUNG GMBH	2,954,023
SHIZUOKA PREFECTURAL UNIVERSITY CORPORATION	3,108,265	SPRING LOADED TECHNOLOGY INCORPORATED	2,998,197	SYMONS, PETER	3,002,736
SHOPIFY INC.	3,094,133	SQUARE ENIX, LTD.	2,944,435	SYRESIN, DENIS	2,946,428
SHOPIFY INC.	3,131,389	STANDARD TEXTILE CO., INC.	3,019,494	SZYMANSKA, MONIKA	3,103,808
SHOUSHI, MAHMOUD	3,090,345	STAUB, EIKE	2,961,426	T-BIN AG EQUIPMENT LTD.	3,084,147
SHU, XINGTIAN	3,021,606	STEALTH BIOTHERAPEUTICS INC.	2,958,585	TABET, RICARDOS	3,077,105
SHUEY, PAUL	3,012,677	STEEN RESEARCH, LLC	2,997,487	TAGHLEEF INDUSTRIES INC.	3,149,755
SHUKLA, JAYKRISHNA A.	3,155,437	STEFU, CRISTIAN	3,125,596	TAGLIFERRI, FRANK	3,084,317
SI, ERWIN C.	3,194,444	STEIMEL, LYLE H.	3,020,540	TAKADA, AKIRA	2,979,166
SICHUAN AGRICULTURAL UNIVERSITY	3,101,365	STEINMAN, AARON	2,962,102	TAKAMIYA, TOSHITO	3,151,419
SIEMENS CANADA LIMITEE	2,931,993	STEMBERGER, CHRISTIAN	2,945,889	TAKASHITA, TAKUYA	3,110,028
SIEMENS HEALTHCARE DIAGNOSTICS INC.	3,151,803	STERIS INSTRUMENT MANAGEMENT SERVICES, INC.	3,112,717	TAMAYO NOVAS, MARIA	2,914,708
SIEVERT, DOMINIK	3,094,125	STERRENBURG, JAN GERARD	2,944,610	TAN, XUQIU	3,014,326
SIEVERT, MARIA	3,094,125	STEVENS, JOSHUA	3,168,128	TANAKA, HIROKO	2,960,733
SIGMAN, GREG	3,162,794	STEVENSON, PAUL JAMES	3,009,505	TANAKA, HIROSHI	3,150,360
SILER, CHRISTOPHER J.	3,013,702	STEWART, RICHARD	3,019,494	TANG, WEI	3,090,598
SIMPLICITY AIR LTD.	3,194,202	STILWELL, CHARLES MITCHELL	3,057,459	TANIS, KEVIN J.	3,089,920
SIMPSON, PETER C.	2,936,773	STOLL, VIKTOR	3,072,465	TAPANINAHU, MATTI KRISTIAN	3,010,396
SINGH, SUDEEP	3,131,999	STOLLENWERK, THOMAS	3,052,633	TARANTINO, GERMANO	2,995,314
SINIQ GMBH	2,982,221	STORA ENSO OYJ	3,009,875	TATSUMURA, KOSUKE	3,135,137
SIVIK, MARK ROBERT	3,087,583	STOTT, ANDREW J.	2,984,618	TAYLOR, DANIEL	2,991,683
SIVINSKI, JEFFREY ALAN	3,122,150	STRATEC CONSUMABLES GMBH	2,998,667	TAYLOR, JESSE WADE	2,974,008
SKALICKY, JAKUB	2,946,656	STRAUB, JOSEF	2,961,426	TAYLOR, JESSE WADE	3,027,361
SKERJANEC, SIMONA	2,904,523	STROLLO, GIACOMO	2,968,211	TEAM 3 INDUSTRIES INC.	2,950,541
SKOURLIS, THOMAS	3,009,702	SULLIVAN, ROBERT	3,101,335	TECHTRONIC CORDLESS GP	3,106,211
SLAGER, JORAM	2,974,962	SUMITOMO CHEMICAL COMPANY, LIMITED	2,993,513	TELFER, GEORGE	2,996,785
SLAVEN, JR., LELAND	3,126,910	SUN PATENT TRUST	3,000,752	TELFER, STUART ALEXANDER	3,114,610
SLY-JEX, MARTYN DAVID	3,034,856	SUN, CHE-NAN	3,002,736	TEMPLE, STEPHEN R.	2,997,487
SMITH & NEPHEW, INC.	3,089,920	SUN, CUTHBERT	3,112,801	TEN FIGAS, GLORIA	3,153,788
SMITH, ALAN	3,084,317	SUN, HAI WEI	3,105,461	TEO, HAN BOON	3,105,461
SMITH, BRET W.	2,973,105	SUN, HSIAO LU	3,042,717	TERASHIMA, TAKASHI	3,151,419
SMITH, GEORGE W.	3,025,191			TERRAMARK MARKENCREATION GMBH	3,161,106
SMYTH, ROBERT J.	3,083,013			TERRESTRIAL ENERGY INC.	3,003,498
SNECK, SAMI ILMARI	3,027,753			TERRIER, OLIVIER	2,979,784
SNF GROUP	3,129,786			TETKOSKIE, JASON	2,977,972
				TETRA LAVAL HOLDINGS & FINANCE S.A.	3,029,102
				TEVA PHARMACEUTICALS AUSTRALIA PTY LTD	2,965,414

Index of Canadian Patents Issued January 9, 2024

TEXTORIS, JULIEN	2,979,784	TOMA, TADAMASA	3,105,461	UNIVERSITEIT	
THARALDSON, JOSEPH D.	3,098,848	TONG, CHAO	3,132,015	STELLENBOSCH	3,021,166
THATCHER, TRACY A.	3,152,526	TOPORAN, BOGDAN IONUT	3,000,001	UNIVERSITY HEALTH	
THE BOEING COMPANY	3,004,547	TORGERSON, DANIEL	3,117,628	NETWORK	2,935,866
THE BOEING COMPANY	3,048,778	TORRES, ROB	3,010,757	UNIVERSITY OF	
THE BOEING COMPANY	3,061,728	TORREZAN, TALYTA	3,121,824	COPENHAGEN	3,022,530
THE BRAUN CORPORATION	3,016,015	TOSHIBA DIGITAL		UNIVERSITY OF	
THE COCA-COLA COMPANY	3,145,998	SOLUTIONS		MASSACHUSETTS	3,009,702
THE GENERAL HOSPITAL		CORPORATION	3,135,137	UNIVERSITY OF THE	
CORPORATION	3,132,310	TOTAL MARKETING		WITWATERSRAND,	
THE GOVERNING COUNCIL		SERVICES	2,981,628	JOHANNESBURG	2,999,956
OF THE UNIVERSITY OF		TOTAL SA	3,001,187	UOZUMI, TORU	3,121,439
TORONTO	2,939,263	TOUMI, MOURAD	3,119,978	URANKAR, EDWARD JOSEPH	3,020,231
THE PROCTER & GAMBLE		TOYO SEIKAN GROUP		URICH, EDUARD	2,879,496
COMPANY	3,087,583	HOLDINGS, LTD.	3,116,286	VAAL, SCOTT G.	3,118,577
THE PROCTER & GAMBLE		TRACHTENBERG, MARC	3,008,618	VALERO, HENRI-PIERRE	2,946,428
COMPANY	3,087,776	TRACHUK, ARKADIY		VALLEE, MONIQUE	3,090,975
THE PROCTER & GAMBLE		VLADIMIROVICH	3,086,244	VALMONT INDUSTRIES, INC.	3,152,526
COMPANY	3,112,453	TREACE MEDICAL		VALTIR, LLC	3,135,253
THE PROCTER & GAMBLE		CONCEPTS, INC.	2,973,105	VAN DE KOOIJ, BART	3,020,461
COMPANY	3,140,827	TRINITY NORTH AMERICAN		VAN DE POEL, AMANDA	2,984,618
THE RAYMOND		FREIGHT CAR, INC.	2,955,160	VAN DER MOST, ROBBERT	
CORPORATION	3,162,794	TROIA, IVAN	3,043,440	GERRIT	2,943,007
THE REGENTS OF THE		TROJOSKY, MATHIAS	3,026,581	VAN DUN, CORNELIS MARIA	
UNIVERSITY OF		TROSSBACH, ROBERT	3,046,294	PETRUS	3,171,505
CALIFORNIA	2,960,268	TRUSCHI, STEFANO	3,010,546	VAN GAASBEEK, ERIK	
THE REGENTS OF THE		TRUSTEES OF DARTMOUTH		PIETER	2,985,971
UNIVERSITY OF		COLLEGE	2,908,253	VAN OORD, OLIVIER	3,020,461
CALIFORNIA	2,986,897	TRUSTEES OF TUFTS		VAN WIJNGAARDEN,	
THE SHERWIN-WILLIAMS		COLLEGE	3,118,950	RICHARD	3,126,274
COMPANY	3,139,690	TRYDEL RESEARCH PTY LTD	3,003,833	VAN ZYL, EMILE	3,021,166
THE TORONTO-DOMINION		TSERETOPOULOS, DEAN C. N.	2,981,380	VANDE SANDE, JERRY W.	2,955,160
BANK	2,981,380	TUCKER, BARRY	3,036,818	VANGALA, REDDY	3,177,603
THE TORONTO-DOMINION		TUFVESSON, HELENA	3,029,102	VAUGHN, MICHAEL AARON	3,007,254
BANK	3,020,401	TURON, MARTIN A.	3,108,779	VEISTO OY	3,005,769
THE TORONTO-DOMINION		TUTCO, LLC	3,065,180	VENCOREX FRANCE	3,000,479
BANK	3,073,728	TUTTLE, MATTHEW L.	3,117,628	VERA-CASTANEDA,	
THE TORONTO-DOMINION		TWADDELL, DANIEL L.	3,154,426	ERNESTO	3,119,952
BANK	3,081,893	TWOREK, ANDREW	3,130,082	VERKOEIJEN, DANIEL	3,025,600
THE UNIVERSITY COURT OF		UDY, ADAM	3,002,867	VERSATILE POWER, INC.	2,998,045
THE UNIVERSITY OF		UITDEHAAG, JOOST		VERSTRAETE, FRANK J.M.	2,960,268
EDINBURGH	2,986,609	CORNELIS MARINUS	2,944,610	VETRICK, MICHAEL	3,011,413
THE UNIVERSITY OF BRITISH		ULLRICH, ANDREAS	3,020,467	VEZINA, SEBASTIEN	2,931,993
COLUMBIA	3,067,269	ULRICH, WALTER E.	2,911,016	VIACYTE, INC.	2,968,211
THE VIOLINA SYNDICATE,		UMSTEAD, KELLY ANN	3,089,920	VIDERI INC.	3,008,618
LLC	3,040,215	UNITED KINGDOM		VILLAREAL, QUENTON	
THEATER EARS, LLC	2,950,871	RESEARCH AND		CHRISTOPHER	3,002,138
THERMWOOD CORPORATION	3,118,577	INNOVATION	3,000,589	VILNER, LUCY	3,006,687
THIRUVENKATANATHAN,		UNITED PARCEL SERVICE OF		VIRET, JULIAN	3,161,179
PRADYUMNA	3,078,842	AMERICA, INC.	3,140,480	VIT, STEFANO	2,994,913
THOMPSON, MARK	3,129,738	UNITED STATES		VIVOSONIC INC.	2,962,102
THORNE, JASON B.	3,002,867	GOVERNMENT AS		VOESTALPINE AUTOMOTIVE	
TICE, TOM	3,005,313	REPRESENTED BY THE		COMPONENTS	
TINTILLER, PATRICK	3,007,039	DEPARTMENT OF		DETTINGEN GMBH & CO.	
TISCHENDORF, ANDY	3,052,633	VETERANS AFFAIRS	2,908,253	KG	3,010,420
TISSOT-DAGUETTE, ALAIN	2,879,496	UNIVERSITE CLAUDE		VOGT, MARKUS	2,974,450
TISSUSE GMBH	3,086,725	BERNARD LYON 1	2,979,784	VOISIN, FLORIANDRE	3,005,288
TO, CIRIC	3,144,402	UNIVERSITE DE BORDEAUX	3,090,975	VOLATIER, SEBASTIEN	3,021,300
TOCCI, MICHAEL D.	3,016,428	UNIVERSITE DE RENNES	3,080,726	VOLIN, DEE	3,161,511
TOCCI, NORA	3,016,428	UNIVERSITE DE		VOLOSHIN-SELA, TALII	3,103,070
TOEWS, MATTHEW	3,085,901	STRASBOURG	3,002,750	VOLTA AUTO INC.	3,183,328
TOGE, GUNN ELIN	3,039,749	UNIVERSITE DE		VOTE, NICOLAS C.	3,118,577
TOKITA, YUJIRO	3,118,063	STRASBOURG	3,077,105	VUIK, KES	3,001,187
TOLIA, GAURAV	3,084,317	UNIVERSITE LAVAL	2,979,784	VUKICH, ADAM	3,183,910

**Index des brevets canadiens délivrés
9 janvier 2024**

W & H STERILIZATION S.R.L.	3,116,924	WINDAU, JOACHIM	3,025,600	YOUNG, PATRICK S.	3,134,586
W. L. GORE & ASSOCIATES, INC.	3,134,586	WINDGASSEN, JAMES R.	3,136,584	YU, CHANGQING	3,183,328
WACHTEL, PETER	3,141,606	WINDHAB, NORBERT	3,005,313	YU, HYEON JAE	3,149,727
WADE, JONATHAN	3,094,133	WINDLE, HENRY KENNETH	3,005,774	YU, JIAFEI	3,197,829
WAGERS, JESSE LEE	3,119,970	WISCHHUSEN, JORG	3,000,292	YUAN MEI CORP.	3,118,300
WAGNER, DUSTIN	3,108,765	WISHART, GRANT	2,984,618	YUNDT-PACHECO, JOHN	3,122,737
WAGSTAFF, SAMUEL R.	3,099,800	WOBLEN PROPERTIES GMBH	3,131,324	ZAGER, RICHARD	2,963,089
WAIBEL, MATTHEW	3,117,628	WOJCICKI, JEFFREY JOHN	3,073,728	ZAMAN, GUIDO JENNY RUDOLF	2,944,610
WAINGER, BRIAN J.	3,132,310	WOLDBERG, ROBERT	3,117,628	ZANG, JINGWU	3,086,434
WALIA, SARABJIT SINGH	2,981,380	WONG, CASPER CHORD YAN	2,950,541	ZARAKAS, JAMES	3,183,910
WALKER, ANN LOUISE	2,986,609	WONG, EDWARD WAI CHEUNG	2,950,541	ZAVADYAK, ANDREJ VASIL'EVICH	3,154,865
WALL, MICHAEL	2,984,618	WOODYATT, JAMES H.	3,108,779	ZAVODSKY, GABRIEL	3,025,600
WALLS, BRIAN E.	3,133,549	WOOLF, CLIFFORD J.	3,132,310	ZEBEDIN-BRANDL, EVA- MARIA	2,973,146
WALSH, ALLAN	3,004,771	WOOLRICH, KYLE A.	3,048,778	ZEMLAK, WARREN	3,092,824
WALTERS, RICHARD JOHN	2,969,571	WORKSPORT LTD.	3,162,450	ZENG, LIMIN	3,053,983
WAMBSGANSS, WARREN J.	3,095,840	WORKSPORT LTD.	3,162,454	ZENG, QIAO	3,095,358
WAMBSGANSS, WARREN J.	3,128,234	WORLDWIDE OILFIELD MACHINE, INC.	3,163,705	ZHAN, XIUZHI	3,106,493
WANG, BO	3,132,015	WTD HEAT TECHNOLOGY LTD.	3,115,533	ZHANG, CHAOZHONG	3,101,365
WANG, BO	3,146,888	WU, DAVID	3,002,867	ZHANG, DAHAI	3,131,458
WANG, HAIBO	3,104,756	WU, DI	3,132,015	ZHANG, DI	3,084,555
WANG, KEFEI	3,095,358	WU, JIAJIE	3,101,365	ZHANG, FENG	3,146,888
WANG, LANG	3,053,983	WU, MINGXIA	3,197,829	ZHANG, HAIMING	3,138,873
WANG, LILEI	3,000,752	WU, SHIHCHANG	3,048,778	ZHANG, HONGZHEN	3,160,496
WANG, QINGQUAN	3,132,015	WU, WEN YANG	3,005,774	ZHANG, HUIFEI	3,101,365
WANG, SHANGER	2,936,773	WU, XINPING	3,057,582	ZHANG, JIN	3,089,920
WANG, YONGQIANG	3,086,434	WU, YINAN	3,156,262	ZHANG, LIANQUAN	3,101,365
WANG, YONGRUI	3,021,606	WUERTH ELEKTRONIK EISOS GMBH & CO. KG	3,090,345	ZHANG, PENGCHENG	3,104,373
WANG, ZHENGYI	3,086,434	WUXI HISKY MEDICAL TECHNOLOGIES CO., LTD.	3,149,335	ZHANG, PENGLIE	2,960,733
WARD, MATTHEW L.	3,150,596	WYSEUR, BRECHT	2,968,038	ZHANG, PING	2,978,330
WARDLEY, MICHAEL	2,996,785	XIA, HENGHENG	3,197,829	ZHANG, WEI	3,151,803
WATANABE, MAKOTO	3,151,419	XIN, YAN	3,083,294	ZHANG, WENJIANG	3,036,005
WAYNE STATE UNIVERSITY	2,963,968	XU, HANQING	3,135,459	ZHANG, XIANGLEI	3,090,598
WEBER, JEREMY	3,009,702	XU, XIAOCHEN	3,149,335	ZHANG, YANG	3,160,496
WEHRMAN, JOSEPH GERARD	3,151,494	XU, XUERU	3,197,829	ZHANG, YI	2,994,573
WEIDE, BENJAMIN	3,000,292	XU, YECHUN	3,090,598	ZHAO, CHUNMENG	3,140,736
WEIGERT, ANDREAS	2,951,840	XU, YUXI	2,986,897	ZHAO, HONGHUA	3,137,660
WEINBERG, ROBERT J.	3,198,719	XU, ZILONG	3,057,582	ZHAO, YAJUN	3,135,459
WEINER, ADAM	3,170,145	YAMADA, TOSHIKI	3,116,286	ZHAVORONKOV, KONSTANTIN GENRIKHOVICH	3,086,244
WELLER, LUCAS	3,042,717	YAMIN, FEREDOUN	2,942,675	ZHENG, GUO-HUA	3,018,218
WELSBY, SCOTT D.	3,133,549	YAN, GONG RUI	2,920,884	ZHENG, GUO-HUA	3,018,219
WELTMEIER, FRIDTJOF	2,967,127	YANG, CHONGYANG	3,197,829	ZHENG, HEPING	3,128,707
WERST, ELENA	3,102,812	YANG, LIN	3,140,562	ZHOU, XUYANG	3,128,561
WHALEN, THOMAS	3,052,633	YANG, LING	3,135,459	ZHU, FENGHUA	3,090,598
WHEELER, T.J.	3,002,177	YANG, WENXUE	3,117,243	ZHU, JINCHENG	3,021,606
WHITE, NICHOLAS ANDREW	3,138,873	YANG, WENXUE	3,117,243	ZHU, JINPING	3,096,905
WHITE, VINCENT	3,151,494	YANG, YIZHENG	3,117,243	ZHU, PENGCHENG	2,924,167
WHITTEN, GORDON	2,980,501	YAO, YUAN	3,132,015	ZHU, RUOJIAN	3,036,005
WIERZBICKI, JULIETTE	3,001,645	YATES, CLAIRE REBECCA	3,112,453	ZHU, SHIJIA	3,117,243
WIETSCHORKE, WERNER	3,013,840	YAZDI, ALIREZA ZEHTAB	3,131,999	ZIVKOVIC, TONY	3,003,546
WILES, ANDREW	3,126,274	YE, HUI	3,106,493	ZOOK, CHRISTOPHER D.	2,971,418
WILKINSON, BRYAN	3,129,260	YEHIA, HADI NAYEF	3,018,218	ZTE CORPORATION	3,135,459
WILKINSON, BRYAN	3,129,262	YEHIA, HADI NAYEF	3,018,219	ZYZANSKI, ROBERT	2,974,374
WILLIAMS, SHARLENE RENEE	2,868,286	YEOH, IVAN LI CHUEN	3,056,921		
WILLINGHAM, STEPHEN	3,009,527	YEON, SEUL KI	3,145,394		
WILSON, CHRISTOPHER	2,967,988	YEUNG, TONY	3,092,824		
WILSON, CHRISTOPHER	2,968,097	YI, WEIHONG	3,115,533		
WILSON, CRAIG A.	3,018,219	YOON, RAN YOUNG	3,134,111		
WILSON, D. TRAVIS	2,958,585	YOUNG, AARON MICHAEL	3,009,505		
WILSON, LUC C.	3,103,308	YOUNG, JOSHUA K.	3,109,801		
WILSON, PETER M.	3,120,951				
WILSON, RON	3,209,324				
WILTZIUS, BRYAN J.	2,936,796				

Index of Canadian Applications Open to Public Inspection

December 24, 2023 to December 30, 2023

Index des demandes canadiennes mises à la disponibilité du public

24 décembre 2023 au 30 décembre 2023

2376016 ALBERTA INC.	3,205,369	BOMBARDIER		CONTINUOUS MATERIALS	
AARNIO, MICHAEL JOHN	3,210,231	RECREATIONAL		INTELLECTUAL	
ABB SCHWEIZ AG	3,204,505	PRODUCTS INC.	3,166,176	PROPERTY, LLC	3,204,513
ABB SCHWEIZ AG	3,204,511	BOMBARDIER		COTTINGHAM, BRENT R.	3,166,186
ABB SCHWEIZ AG	3,204,688	RECREATIONAL		COUTURE, RAPHAEL	3,166,176
ABB SCHWEIZ AG	3,204,693	PRODUCTS INC.	3,166,178	COX, ROGER W.	3,204,726
ACETK CORP LTD.	3,202,316	BOMBARDIER		CRISTACHE, LUCIAN	3,204,797
ADETUNJI, LUKEMON	3,165,179	RECREATIONAL		CUTLER, MATTHEW A.	3,204,221
AFFIRM, INC.	3,203,951	PRODUCTS INC.	3,202,482	DAIMLER TRUCK NORTH	
AGRAWAL RITESH BABULAL	3,205,440	BOMBARDIER		AMERICA LLC	3,166,253
AGRU AMERICA, INC.	3,204,450	RECREATIONAL		DAIRY LANE SYSTEMS LTD.	3,204,976
AIR LIQUIDE ADVANCED		PRODUCTS INC.	3,202,484	DANDELION ENERGY, INC.	3,204,086
TECHNOLOGIES U.S. LLC	3,205,413	BOMBARDIER		DARIER, GUILLAUME	3,204,521
AIRBUS HELICOPTERS	3,192,370	RECREATIONAL		DECORTE, MICHAEL	3,166,180
AIRBUS HELICOPTERS		PRODUCTS INC.	3,202,489	DEERE & COMPANY	3,197,445
DEUTSCHLAND GMBH	3,192,370	BONIN, CHARLES-ANTOINE	3,166,178	DELEERSNYDER, GEERT	
AKIYAMA, TERUKAZU	3,203,910	BOUFFARD, JONATHAN	3,166,292	ANDRE	3,203,036
ALI, RIYAAD	3,205,238	BRADY WORLDWIDE, INC.	3,204,830	DELEERSNYDER, GEERT	
ALL ACCESS EQUIPMENT,		BRANDT, JOHN DAVID	3,205,606	ANDRE	3,203,039
INC.	3,205,470	BRANNAN, JOSEPH ROBERT	3,204,968	DESBIENS, RAPHAEL	3,204,693
ALVA, PRANAV	3,204,742	BRANNAN, JOSEPH ROBERT	3,205,289	DING, JIAOPING	3,195,006
ARCOSYSTEM SPA	3,187,874	BRANNAN, JOSEPH ROBERT	3,205,310	DONG, XIN	3,205,288
ARTMAN, OMRI	3,205,033	BRANSON, JON	3,195,061	DONOVAN, JOHN	3,204,968
AUER, BRIAN	3,205,251	BREYER, MARKUS	3,202,726	DONOVAN, JOHN	3,205,289
AUGER, GUILLAUME	3,202,484	BROWN, IAN	3,166,180	DONOVAN, JOHN	3,205,310
AUGER, GUILLAUME	3,202,489	BROWNE, KEVIN	3,204,297	DUBE, PASCAL	3,166,292
AUSTIN, BRANDON SCOTT	3,199,122	BRUKER SWITZERLAND AG	3,205,221	DUFOUR, CLAUDE	3,166,292
AUSTIN, BRANDON SCOTT	3,199,127	BURNETT, MARC	3,204,688	DUMAS, FRANCOIS-CHARLES	3,166,178
AUSTIN, BRANDON SCOTT	3,199,132	CAI, HUI	3,204,952	DUNN, JOHN	3,204,086
AVIDBOTS CORP	3,205,439	CANADIAN ENERGY		DURIK, JUSTIN	3,204,995
AYYALASOMAYAJULA,		SERVICES L.P.	3,205,645	EATON INTELLIGENT POWER	
VIJAY BHASKAR		CASKEY, CURTIS WAYNE	3,205,440	LIMITED	3,204,726
SHASHIDHAR	3,197,445	CASTEEL, JOHN	3,204,379	EKHE, SANDEEP	3,197,445
BAKONYI, THOMAS	3,205,033	CASTEEL, KELLI	3,204,379	EKONA POWER INC.	3,210,231
BARANYI, BLANKA	3,203,045	CENOVUS ENERGY INC.	3,165,179	ENGER, ANDREW N.	3,204,830
BARNARD, JOSEPH JON	3,199,122	CHANG, YU CHI	3,204,960	ERIKSSON, ERIK	3,205,140
BARNARD, JOSEPH JON	3,199,127	CHANG, YUNG-HUI	3,202,316	EVERETT, JULIA BREANNE	3,202,247
BARNARD, JOSEPH JON	3,199,132	CHANNAPRAGADA,		FAN GAO LE TRADE	
BATHORY-FROTA, ALBERIO	3,205,606	SRIKANTH	3,205,421	(SHENZHEN) CO., LTD.	3,217,859
BEN-ZVI, AMOS	3,165,179	CHARLAND, WILLIAM	3,166,214	FAVALE, RYAN JAMES	3,199,122
BIERNAT, JACOB	3,204,550	CHEREK, KURTIS L.	3,192,479	FAVALE, RYAN JAMES	3,199,127
BILODEAU, HUBERT	3,166,176	CHOI, YOUNGJUN	3,204,056	FAVALE, RYAN JAMES	3,199,132
BIONTECH SE	3,204,952	CHRISTOPHER, MARK		FEISST, HEIKO	3,204,593
BJORUM, JUSTIN	3,166,186	RICHARD	3,204,987	FERNIHOUGH, ROBERT	
BLADES, SAMUEL CARL		CHRISTOPHER, MARK		ALEXIS PEREGRIN	3,203,032
WILLIAM	3,203,385	RICHARD	3,204,995	FISHER, KASEY	3,204,513
BLANDIN, YANN	3,202,004	CHUANG, MING-YUEH	3,204,960	FOROUZESH, MOJTABA	3,205,206
BLAZIER, JEFFREY S.	3,199,122	CLARK, ERIN FREDERICK	3,199,122	FRUITET, PIERRE	3,192,370
BLAZIER, JEFFREY S.	3,199,127	CLARK, ERIN FREDERICK	3,199,127	FU, HUIXING	3,204,568
BLAZIER, JEFFREY S.	3,199,132	CLARK, ERIN FREDERICK	3,199,132	FUJI ELECTRIC CO., LTD.	3,203,910
BODET, JEAN FRANCOIS	3,203,039	CLOSURE SYSTEMS		G&H DIVERSIFIED	
BOIVIN, ALEXANDRE	3,204,688	INTERNATIONAL INC.	3,201,824	MANUFACTURING LP	3,205,251
BOLLINGER MOTORS INC.	3,204,766	COCA, FLORIN	3,205,439	GALLANT, MARK	3,210,205
		CONTAL, SERGE	3,205,178	GASTRONOMOUS	
				TECHNOLOGIES INC.	3,166,189

**Index des demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023**

GEORG FISCHER		JOCHMAN, NATHAN JOE	3,204,454	LUCOMM TECHNOLOGIES,	
ROHRLEITUNGSSYSTEM		JOCHMAN, NATHAN JOE	3,204,567	INC.	3,204,797
E AG	3,202,726	JOCHMAN, NATHAN JOE	3,204,998	LUDWIG, ROLF	3,204,560
GERBERICK, WALTER	3,205,402	JOHNS MANVILLE	3,205,400	MACDONALD, MARK	3,166,180
GIROUX, FRANCOIS	3,202,484	JOHNSON CONTROLS TYCO		MAGNA EXTERIORS INC	3,205,145
GLADKOV, GENE	3,204,830	IP HOLDINGS LLP	3,205,440	MAHRENHOLTZ, CHRISTOPH	3,204,946
GOODMAN, ANDREW NOEL	3,192,479	JOHNSON, JEFFREY R.	3,205,145	MANFREDI, REMI	3,204,521
GOYAL, KANIKA	3,204,742	JOSDAL, TYRONE	3,165,785	MARCHAL, FREDERIC	3,202,004
GRANDIDGE, RYAN J.	3,205,049	JOSEPH, DANIEL R.	3,181,187	MARRIOTT, HUNTER	
GREEN, ADAM	3,205,251	JOZANI, HOSSEIN	3,205,645	BROOKE	3,203,385
GRIFFIN, DAVID	3,205,251	KAISER ALUMINUM		MARS, INCORPORATED	3,204,742
GRIFFIN, JOHN	3,204,297	FABRICATED		MARTIN, NICOLAS	3,203,963
GTS DEUTSCHLAND GMBH	3,205,062	PRODUCTS, LLC	3,205,402	MARUSIAK, JAMES EDWARD	3,205,606
HAGE, RONALD	3,204,560	KAPSCH TRAFFICOM AG	3,204,529	MATSUURA MACHINERY	
HALPIN, DONOVAN	3,203,951	KASH, JAMES EDWARD	3,205,251	CORPORATION	3,217,582
HAMDANE, WALID	3,205,449	KASSOVIC, MARIAN	3,204,963	MATTHEWS, CHRISTINA	3,205,251
HARB, REDA	3,205,421	KAUFMAN, DANIEL E.	3,203,951	MATUSKA, ROBERT A.	3,205,402
HARLOW, PHILIP ASHTON	3,199,122	KAUFMANN, PAUL	3,204,560	MCCOMAS, DONALD T.	3,204,726
HARLOW, PHILIP ASHTON	3,199,127	KENDRICK, JESSE	3,203,951	MCLENNAN, DUNCAN	
HARLOW, PHILIP ASHTON	3,199,132	KENNEDY, NICK	3,204,829	CHAPMAN	3,205,439
HARPER, LEE GLENN	3,166,574	KHANDROS, MARAT	3,205,238	MCNEILL, JOHN	3,166,253
HARRIGAN, JULIA	3,203,951	KLUGE, THOMAS	3,205,205	MENHEERE, DAVID	3,201,854
HARVEY, BRIAN N.	3,204,968	KNIGHT, BENJAMIN VASCAL	3,205,251	MEUNIER, AXEL	3,204,511
HARVEY, BRIAN N.	3,205,289	KNYCHALSKI, THOMAS	3,205,049	MEUNIER, AXEL	3,204,688
HARVEY, BRIAN N.	3,205,310	KOHLHAMMER, OLIVER	3,166,098	MEUNIER, DEVON	3,199,105
HASSELBACK, TRISTAN		KONVALINKA, ANA	3,205,161	MICHALEK, JOHN JOSEPH	
NEAL	3,205,606	KOROLJ, ANASTASIA	3,205,161	JAMES	3,166,253
HAWK, ADRIAN M.	3,181,187	KRAFTPACK (HUBEI)		MICHAUD, DOMINIC	3,204,688
HEEL EVERYTHING LLC	3,204,379	INDUSTRIAL CO., LTD.	3,195,006	MITARITEN, MICHAEL	3,205,413
HELLUM, OWEN	3,176,943	KRAPFENBAUER, MARKUS	3,204,529	MITEL NETWORKS	
HENSEL, MAURICE J.	3,204,766	KRATSCHMAR, KENNETH		CORPORATION	3,205,158
HERAEUS MEDICAL GMBH	3,205,205	WILLIAM	3,210,231	MODJARRAD, KAYVON	3,204,952
HERMIE, MARINA JOZEFA	3,203,036	KRISHER, CALEB R.	3,204,908	MOGGIA, GIULIA	3,203,045
HIDLE, FREDERICK B.	3,204,365	KUIU, LLC	3,203,963	MOHAPATRA, DEEPANKAR	3,201,307
HINKEY, JR., JOHN BENJAMIN	3,210,231	KULPRATHIPANJA, AMES	3,205,400	MOLINA CABRERA, PABLO	
HO, DENNIS	3,199,105	KUMAR, NITESH	3,203,951	ROBERTO	3,205,439
HONEY BEE		KUNZE, MIRIAM	3,205,018	MORASSE, PAULINA	3,165,179
MANUFACTURING LTD.	3,166,574	LABRECQUE, MICHEL	3,204,001	MORTENSEN, DANIEL JACOB	3,204,908
HONEY, GLENN RAYMOND	3,166,574	LAMPRON, FRANCOIS	3,202,489	MUIK, ALEXANDER	3,204,952
HSU, YA-LAN	3,204,960	LANCASTER, ANDREW	3,197,596	MUNTEAN, FELICIAN	3,205,221
HUBNER, GEROLD	3,205,018	LANHER, BERTRAND SIMON	3,204,505	MURPHY, MITCHELL	3,195,061
HUFNAGEL, KEVIN	3,204,559	LANHER, BERTRAND SIMON	3,204,511	MURRELEKTRONIK GMBH	3,204,593
HUSKER, JESSICA MARIA	3,205,018	LEBOE, DAVID AARON	3,210,231	NANJING CHERVON	
IBANA, REDENTHOR	3,205,033	LEE, HYUNKI	3,204,056	INDUSTRY CO., LTD.	3,204,568
ICHIMURA, MAKOTO	3,217,582	LEE, TIMMOTHY	3,205,251	NANOWAVE TECHNOLOGIES	
ILLINOIS TOOL WORKS INC.	3,204,148	LEEN, JOHN BRIAN	3,204,505	INC.	3,205,449
ILLINOIS TOOL WORKS INC.	3,204,453	LEEN, JOHN BRIAN	3,204,511	NASSAR, NASHAAT	3,165,179
ILLINOIS TOOL WORKS INC.	3,204,454	LEEN, JOHN BRIAN	3,204,688	NATH, NIVEDITA	3,205,440
ILLINOIS TOOL WORKS INC.	3,204,567	LEEN, JOHN BRIAN	3,204,693	NATIONAL CHENG KUNG	
ILLINOIS TOOL WORKS INC.	3,204,908	LEFEBVRE, GUY	3,204,550	UNIVERSITY	3,204,960
ILLINOIS TOOL WORKS INC.	3,204,987	LEPITRE, LOUIS	3,202,482	NEERAKANI, HARSHA	3,205,421
ILLINOIS TOOL WORKS INC.	3,204,995	LES TECHNOLOGIES		NGUYEN, DUNG DUC	3,204,086
ILLINOIS TOOL WORKS INC.	3,204,998	CLDUFOUR INC.	3,166,292	NGUYEN, KEVIN	3,204,001
IMAMORI, SATOSHI	3,203,910	LI, CHUNHONG	3,200,371	NICHOLLS, CHARLES	
INGEM, PAUL	3,204,086	LIN, DEGAN	3,200,371	WILLIAM TREMLETT	3,205,449
INOSYSTEMS	3,202,004	LIN, PO-NIEN	3,204,056	NIEDERMOSER, GUNTHER	3,204,450
INTUIT INC.	3,201,307	LIU, CHUAN	3,205,161	NIELSEN, DONOVAN	3,166,098
IRITI, MARCO	3,205,143	LIU, HAO-JUNG	3,204,960	NINGBO JIESHU WINDOW	
ITRON, INC.	3,197,596	LIU, YAN-FEI	3,205,206	COVERINGS	
JAGTAP, VISHAL SHIVAJI	3,205,440	LOWE'S COMPANIES, INC.	3,199,122	MANUFACTURING CO.	
JCB RESEARCH	3,204,297	LOWE'S COMPANIES, INC.	3,199,127	LTD	3,172,058
JEAN, CINDY	3,203,039	LOWE'S COMPANIES, INC.	3,199,132	NKT HV CABLES AB	3,205,140
JOCHMAN, NATHAN JOE	3,204,148	LU, JIEBING	3,172,058	NOBLE, ANGUS	3,197,541
JOCHMAN, NATHAN JOE	3,204,453			O'KANE, NICHOLAS	3,205,400

**Index of Canadian Applications Open to Public Inspection
December 24, 2023 to December 30, 2023**

OELERT, KAI	3,204,963	RIMCHALA, JOY	3,201,307	THE PROCTER & GAMBLE	
ORPYX MEDICAL		ROBAR INDUSTRIES LTD.	3,166,409	COMPANY	3,203,036
TECHNOLOGIES INC.	3,202,247	ROELOFSEN, YFRANKA	3,204,560	THE PROCTER & GAMBLE	
ORPYX MEDICAL		ROSENBERG VAIZER, LLAN		COMPANY	3,203,039
TECHNOLOGIES INC.	3,203,385	BERNANDO	3,187,874	THE PROCTER & GAMBLE	
ORTRONICS, INC.	3,205,049	ROTHER, JEFF	3,204,559	COMPANY	3,203,045
OSHKOSH CORPORATION	3,195,061	ROVI GUIDES, INC.	3,205,421	THE TORONTO-DOMINION	
OWEN, KYLE	3,204,511	ROYAL BANK OF CANADA	3,205,238	BANK	3,205,289
OWEN, KYLE	3,204,688	SAGEMCOM BROADBAND		THE TORONTO-DOMINION	
OWEN, KYLE	3,204,693	SAS	3,205,178	BANK	3,205,310
OWEN, ROBERT H.	3,201,824	SAHIN, UGUR	3,204,952	THIBAUT, ALEXANDRE	3,202,484
PACHIGAR, ASIF		SCHEIDT & BACHMANN		THIESSEN, LESTER	3,205,369
GULAMBHAI	3,204,742	GMBH	3,204,963	TIMBER TECHNOLOGY INC.	3,166,214
PANCHAKSHARAI AH,		SCHERZER, MATTHEW D.	3,204,742	TINLIN, JAMES ROBERT	3,203,036
VISHWAS		SCHIDL, STEFAN	3,204,529	TORONTO DOMINION BANK	3,204,968
SHARADANAGAR	3,205,421	SCHMITT, MARY	3,202,004	TURCO, JAMES	3,204,829
PANDA, DEBASIS	3,204,742	SCHMITZ, ADAM RICHARD	3,204,987	TURNER, CORBIN	3,166,409
PANTEA, SORIN O.	3,205,145	SCHUBAK, GARY EDWARD	3,210,231	TYRBERG, ANDREAS	3,205,140
PAQUET, MARC-ANTOINE	3,166,214	SCHWEHN, OLIVER	3,205,062	UBACHS, MATHEW	3,195,061
PARD, JEAN-SEBASTIEN	3,202,482	SCOVAN ENGINEERING INC.	3,166,098	UITENBROEK, CONNOR	3,204,908
PARD, JEAN-SEBASTIEN	3,202,484	SEILER, ARON MARC	3,205,440	UITENBROEK, CONNOR	
PARD, JEAN-SEBASTIEN	3,202,489	SEKHAR, AMOGHA	3,201,307	DENIS	3,204,987
PEDI, MICHAEL C.	3,204,742	SERVALL DATA SYSTEMS		UITENBROEK, CONNOR	
PETERS, RILEY	3,205,400	INC.	3,205,606	DENIS	3,204,995
PETRY, DIRK	3,202,726	SETHI, ANUJ	3,204,742	UNITED PARCEL SERVICE OF	
PGS GEOPHYSICAL AS	3,203,032	SEVADJIAN, KEVORK	3,166,189	AMERICA, INC.	3,204,056
POHLCON GMBH	3,204,946	SHENZHEN VERDEWELL		UNKNOWN	3,210,205
POIRIER, CARL	3,166,214	TECHNOLOGY LIMITED	3,202,534	USAMI, TETSURO	3,205,581
POLLNOW, SCOTT T.	3,192,479	SHOPIFY INC.	3,199,105	VALORBEC, SOCIETE EN	
POLONSKI, LENNY	3,205,470	SIMARD, REJEAN	3,166,178	COMMANDITE	3,176,943
POMA	3,204,521	SINGH, GYANVEER	3,205,421	VAN LOGTENSTEIN,	
PORAN, ASAF	3,204,952	SKARMETA SILVA, MARCOS		MICHAEL WILLIAM	3,204,976
PORRETTA, CARLO	3,205,145	ALFREDO	3,187,874	VANDECORPUT, LOGAN	
POWELL, JERRY KENNETH	3,205,400	SKREPNEK, ANDREW	3,166,189	MATTHEW	3,204,148
POWELL, JOSHUA S.	3,181,187	SMITH, DANIEL M.	3,205,049	VANDECORPUT, LOGAN	
POZSAR, ATTILA	3,166,106	SODERBERG, JEFFREY	3,205,645	MATTHEW	3,204,567
PRATT & WHITNEY CANADA		SOFIDEL S.P.A.	3,205,143	VANOEVEREN, ERIC	3,201,307
CORP.	3,201,854	SPENCER, MATT	3,204,513	VAYSSIERE, AURELIEN	3,192,370
PRATT & WHITNEY CANADA		SRIVASTAVA, POOJA	3,205,421	VISUAL DEFENCE INC.	3,205,033
CORP.	3,202,220	STANZEL, KENNETH AUSTIN	3,204,908	VOGT, SEBASTIAN	3,205,205
PRATT & WHITNEY CANADA		STEINER, URS	3,205,221	VOLKSWAGEN	
CORP.	3,204,001	STEVENS, TRAVIS MICHAEL	3,202,247	AKTIENGESELLSCHAFT	3,205,018
PRATT & WHITNEY CANADA		STEWART & STEVENSON LLC	3,204,559	WANG, HAO	3,204,568
CORP.	3,204,550	STILL CIVIL INC.	3,204,829	WANG, KANG	3,204,568
PREUSCHEN, JUDITH	3,204,560	STRATTEC SECURITY		WARD, RYAN	3,205,251
PROULX, YANICK	3,166,176	CORPORATION	3,192,479	WEINSTOCK, MICHAEL	3,204,742
PROUVEZ, NATHAN	3,202,004	STRYKER CORPORATION	3,204,221	WELLS, JOE NOEL	3,205,251
PUNDLIK, SUMEET	3,204,742	SUPUT, MARKO	3,204,513	WEYLICHEM PERFORMANCE	
PURE VISTA LTD.	3,197,541	SWANSON, KENA ANNE	3,204,952	PRODUCTS GMBH	3,204,560
QUEEN'S UNIVERSITY AT		SWEENEY, CHRISTOPHER		WILLAND (BEIJING)	
KINGSTON	3,205,206	RYAN	3,204,221	TECHNOLOGY CO., LTD.	3,200,371
RADISIC, MILICA	3,205,161	TAL, ROYI	3,205,033	WILLIAMS, AARON	3,204,968
RADON, JOANNA	3,202,220	TANGUAY, FRANCOIS	3,204,505	WILLIAMS, AARON	3,205,289
RAJENDRAN,		TANGUAY, FRANCOIS	3,204,511	WILLIAMS, AARON	3,205,310
PRIYADARSHINI	3,201,307	TARPOSTOP, LLC	3,166,186	WILLIS, REBECCA	3,203,963
RANA, SUMAN KUMAR	3,204,742	TASTENHOYE, KIM	3,203,045	WINTEROWD, JACK G.	3,204,513
RATH, RESMA	3,205,439	TAZBAZIAN, KRISTIAN	3,166,189	WOLF, RYAN	3,195,061
REID, CHRISTOPHER EDWIN		TECHTRONIC CORDLESS GP	3,204,365	WONG, ORIANA	3,205,439
JOHN	3,210,231	TEMP FARM EQUIPMENT		XIA, ZHONGJI	3,204,568
REIN, BERNHARD	3,192,370	LTD.	3,166,180	XIAO, YIMING	3,176,943
REINHEIMER, JONATHAN	3,166,409	TEWARI, DIPANKAR L.	3,197,596	YALAWARMATH,	
REJMAN, MARCIN	3,202,220	THE GOVERNING COUNCIL		ANILKUMAR	3,205,158
RENNARD, AURELIEN	3,192,370	OF THE UNIVERSITY OF		YAMAOKA, TOSHINARI	3,204,568
RENNER, JEREMY W.	3,204,365	TORONTO	3,205,161	YANG, CATO	3,205,421

Index des demandes canadiennes mises à la disponibilité du public
24 décembre 2023 au 30 décembre 2023

YANG, QI	3,204,952
YOSHINO KOGYOSHO CO., LTD.	3,205,581
YU, ZHIHANG	3,205,018
YUE, WENYONG	3,217,859
ZAKHARIA, STEVEN	3,205,251
ZENG, JAY	3,199,122
ZENG, JAY	3,199,127
ZENG, JAY	3,199,132
ZETTERVALL, BJORN	3,205,140
ZHOU, JIANGUANG	3,202,534
ZHU, FRANK	3,204,297
ZURFLUH, ERWIN ALEX	3,205,062

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

7-ELEVEN, INC.	3,223,381	AZIWELL AS	3,223,392	BISHOP, JOHN	3,223,414
A.I. VALI INC.	3,223,508	BABA, TAKUMA	3,224,389	BISN TEC LTD	3,183,366
A.J.M. TILBURG HOLDING B.V.	3,223,404	BACKMAN, JOSHUA	3,224,355	BITMAIN TECHNOLOGIES INC.	3,223,882
AB MAURI (UK) LTD	3,223,303	BACQUEVILLE, DANIEL	3,223,396	BJORDAHL, RYAN	3,223,323
ABASKHARON, RACHEL	3,223,517	BAILEY, LUCAS	3,224,183	BLACKERT, CHRISTIAN	3,223,435
ABECASIS, GONCALO	3,224,355	BAILEY, RACHEL M.	3,223,506	BLAZEK, MATTHIAS	3,223,481
ABIOMED, INC.	3,223,379	BAJAJ, GAURAV	3,223,375	BLUEPRINT MEDICINES CORPORATION	3,223,412
ABRAMOVICH, SAGI	3,223,415	BAKER HUGHES OILFIELD OPERATIONS LLC	3,223,317	BLUEPRINT MEDICINES CORPORATION	3,224,189
ACHARYA, SUNIL	3,224,026	BAKER, THOMAS	3,223,517	BLUVSTEIN, ALEXANDER	3,223,415
ACUITY POLYMERS, INC.	3,224,210	BAKR, MUSTAFA	3,224,361	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	3,224,026
ACURX PHARMACEUTICALS, INC.	3,223,983	BAMBINO PREZIOSO SWITZERLAND AG	3,224,184	BOCHMAN, CHRISTOPHER	3,223,305
ADAMCZAK, LOIC	3,223,476	BANGARI, KIRAN RANA	3,224,018	BODDICKER, ANDREW	3,224,352
AGCO CORPORATION	3,224,005	BARAK-KULBAK, EINAV	3,224,008	BOGAERT, JAN	3,223,416
AGRAWAL, SUDHIR	3,224,332	BARAS, ARIS	3,224,355	BOGAERT, THIERRY	3,223,416
AGREMATCH LTD.	3,223,389	BARGHETTI, ANDREA	3,223,311	BOKKA SRINIVASA RAO, KISHORE K.	3,223,370
AGROSUSTAIN SA	3,223,518	BASAR, RAFET	3,224,026	BONAFINI, JAMES A.	3,224,210
AGUILAR, ALFREDO MARTIN	3,223,499	BASF SE	3,223,277	BONNAUD, PASCAL	3,223,476
AHLSTROM OYJ	3,224,174	BASHEER, UMAR	3,223,496	BORG, EIRIK	3,223,392
AHN, JUNG MIN	3,223,447	BAUMGARTNER, ROLAND	3,223,311	BOSSY, EMMANUEL	3,224,330
AHN, SUNG OH	3,223,475	BAUSCH & LOMB IRELAND LIMITED	3,223,302	BOSTON SCIENTIFIC SCIMED, INC.	3,224,179
AIR PRODUCTS AND CHEMICALS, INC.	3,223,295	BAXTER HEALTHCARE SA	3,224,037	BOUCHARD, HERBERT J.	3,223,308
AIR PRODUCTS AND CHEMICALS, INC.	3,223,306	BAXTER INTERNATIONAL INC.	3,224,037	BOUTELL, JONATHAN	3,223,595
AIZAWA, HISASHI	3,224,389	BAYER, TRAVIS	3,223,479	BOUTELL, JONATHAN	3,223,615
ALAKURTTI, SAMI	3,223,363	BECOFLEX	3,223,492	BOVER, LAURA DEL CARMEN	3,224,026
ALDERMAN, STEVEN LEE	3,223,460	BECTON, DICKINSON AND COMPANY	3,223,370	BRACKETT, GAIL	3,224,201
ALEFANTIS, TIM	3,224,175	BECTON, DICKINSON AND COMPANY	3,223,473	BRAKKEE, MARTINUS JOHANNES DONATUS	3,224,130
ALTHOFF, CHARLES PETER	3,223,370	BEECHAM, JAMES DOUGLAS	3,223,309	BRAUN, MAX	3,223,458
ALTR SOLUTIONS, INC.	3,223,309	BEELLEN, ANDREW	3,223,467	BRAVO, JUAN	3,223,459
AMGEN INC.	3,224,001	BEENAKKER, THOMAS JOHANNES MARIA	3,223,357	BRENNER, JAY	3,223,421
AMGEN INC.	3,224,200	BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD.	3,223,503	BREZESINSKI, TORSTEN	3,223,277
AN, JUN SU	3,223,449	BEIJING SANYUAN FOODS CO., LTD.	3,205,241	BRODIN, JEFFREY	3,223,615
ANANDA SCIENTIFIC, INC.	3,223,515	BEREZINA, NATHALIE	3,223,296	BROOIJMANS, NATASJA	3,224,189
ANANDA SCIENTIFIC, INC.	3,223,520	BERGERON, PATRICK	3,223,424	BROOKS, JAMIE	3,223,477
APIX BIOSCIENCES	3,223,416	BERGSTROM, PIA	3,223,363	BROWN, COLIN	3,223,390
ARASTU, SAJID	3,223,613	BERMAN, JUDD	3,223,459	BROWN, COLIN	3,223,500
ARCEO, CHRIS	3,223,449	BESSOU TOUYA, SANDRINE	3,223,396	BROWN, DUNCAN	3,224,332
ARIMOTO, OSAMU	3,224,135	BHADRA, SHUBHRA J.	3,223,295	BRUMMER, ARON	3,223,435
ARMIJO, ESTEBAN	3,223,615	BIANCHINI, MATTEO	3,223,277	BRUSTAD, ERIC	3,223,390
ARMIS BIOPHARMA, INC.	3,223,608	BIFULCO, JR., NEIL	3,224,189	BRUSTAD, ERIC	3,223,615
ARMSTRONG, DAVID	3,223,508	BIOHM HEALTH INC.	3,224,177	BUHAIANU, RADU ADRIAN	3,224,128
ARSLAN, SINAN	3,224,352	BIOMIST, INC.	3,223,422	BUNKER, KEVIN DUANE	3,223,516
ARTISAN DEVELOPMENT LABS, INC.	3,223,311	BIONIME CORPORATION	3,223,502	BURCH, KENNETH S.	3,223,457
ASHER, TAMAR	3,223,415	BIONTECH SE	3,223,375	BURCHAK, OLGA	3,224,061
ASSA ABLOY AMERICAS REDIDENTIAL INC.	3,224,336	BIOTEST AG	3,223,375	BURM, BRIGITTE ELISA ANNA	3,223,357
ASSA ABLOY LIMITED	3,223,386	BISHOP, JOHN	3,224,328	BUSARI, HAFIZ	3,223,513
ASSA ABLOY LIMITED	3,223,393	BISHOP, JOHN	3,223,386	BUTLER, ERIKA	3,223,412
ASSA ABLOY LIMITED	3,223,414		3,223,393		
ATAROT, GAL	3,223,384				
AZAD, AZAR	3,223,508				
AZERRAF, CLARITE	3,224,008				

Index des demandes PCT entrant en phase nationale

BYD COMPANY LIMITED	3,223,284	CIOLOBOC, DANIELA	3,224,359	DEMPSEY, GRAHAM T.	3,224,222
BYD COMPANY LIMITED	3,223,286	CLAEYS, JEAN-CLAUDE	3,223,509	DEMPSEY, GRAHAM T.	3,224,332
BYD COMPANY LIMITED	3,223,289	CLARK, BILLY	3,183,366	DENKA COMPANY LIMITED	3,223,407
BYD COMPANY LIMITED	3,223,291	COCHARD, BOVOMRAT	3,224,350	DENKA COMPANY LIMITED	3,223,562
BYD COMPANY LIMITED	3,223,400	COENRAETS, BENOIT	3,223,492	DEPPIERI, FRANCESCO	3,223,417
BYD COMPANY LIMITED	3,223,403	COLICCHIO, JACK	3,223,479	DERNEDDE, MATHIAS	3,223,458
BYD COMPANY LIMITED	3,223,405	CONMED CORPORATION	3,223,367	DESANTIS, GRACE	3,223,501
BYD COMPANY LIMITED	3,223,409	CONSEJO SUPERIOR DE		DIAS, LIBARDO OCHOA	3,223,308
BYD COMPANY LIMITED	3,223,411	INVESTIGACIONES		DODSON, MARK A.	3,223,567
BYD COMPANY LIMITED	3,223,413	CIENTIFICAS (CSIC)	3,224,324	DOI, DAISUKE	3,224,178
BYD COMPANY LIMITED	3,223,571	CONTE, RICCARDO	3,223,418	DOMINGUES PEREIRA, SARA	
CAI, CONGCONG	3,224,094	CONTI INNOVATION		ISABEL	3,223,311
CANTERO BURGAZ, JOSE	3,223,451	CENTER, LLC	3,224,190	DONATE, FERNANDO	3,223,516
CANTERO BURGAZ, SR. JOSE	3,223,451	CONTI, KURT G.	3,224,190	DONG, ZIYE	3,223,988
CAO, GUOQING	3,223,304	CONTRERAS, RYNE LUCAS	3,223,587	DONGJIN SEMICHEM CO.,	
CARAVACA AGUIRRE,		COOK, II ROBERT L.	3,223,422	LTD.	3,224,415
ANTONIO MIGUEL	3,224,330	CORBETT, SCOTT C.	3,223,379	DONNELLY, BRIAN C.	3,223,480
CARBALLO VILLAZALA,		CORMICAN, EVEY	3,224,188	DONNELLY, BRIAN C.	3,223,482
RUBEN	3,223,485	COSKUN, TAMER	3,223,313	DOTY, SHARON L.	3,223,985
CARDON, FLORIAN	3,223,453	COTRUVO, JOSEPH ALFRED	3,223,988	DOYLE, BARRY JOSEPH	3,223,428
CARRAGHER, PAUL	3,183,366	COWAN, ELIOT JULIEN	3,223,340	DOYLE, PATRICK	3,223,421
CASEY, PATRICK	3,224,187	CRAWFORD, BRIAN		DOYNOV, PLAMEN	3,224,238
CASTEEL, WILLIAM J. JR.	3,223,295	CHARLES WILDING	3,223,995	DREYER, SOEREN LUKAS	3,223,277
CATALANO, MATTHEW	3,223,457	CREAFORM INC.	3,224,006	DU, MENGYI	3,223,413
CBN NANO TECHNOLOGIES		CREUSOT, REMI J.	3,223,371	DUBEY, OLGA	3,223,518
INC.	3,223,312	CRISANTI, ANDREA	3,223,990	DUBEY, SYLVAIN	3,223,518
CEDARS-SINAI MEDICAL		CROFTON, TIMOTHY S.	3,223,496	DUFOUR, MENNO	3,224,174
CENTER	3,223,495	CROMPTON, DAVID B.	3,223,308	DUNWELL, THOMAS	3,223,987
CELAGENEX RESEARCH		CROWTHER, ANDREW M.	3,223,496	DUPLAN, HELENE	3,223,396
(INDIA) PVT. LTD.	3,224,342	CSPC OUYI		E, CONGJI	3,223,403
CENTRE NATIONAL DE LA		PHARMACEUTICAL CO.,		EARLY, KEVIN	3,223,517
RECHERCHE		LTD.	3,224,094	EATON INTELLIGENT POWER	
SCIENTIFIQUE	3,224,330	CSPC ZHONGQI		LIMITED	3,223,487
CERNY, SHANNON ELLA	3,223,480	PHARMACEUTICAL		EDGE, PHILLIPPA K.	3,223,582
CERNY, SHANNON ELLA	3,223,482	TECHNOLOGY		EDWARDS LIFESCIENCES	
CHANDLER, SAVANNAH G.	3,224,358	(SHIJIAZHANG) CO.,		CORPORATION	3,224,028
CHANDRASHEKAR,		LTD	3,224,094	EDWARDS LIFESCIENCES	
PADMASRI	3,224,176	CUE HEALTH INC.	3,223,497	CORPORATION	3,224,357
CHANDRASHEKAR,		CUI, YANHUI	3,223,411	EELKOWALL LIMITED	3,223,273
PADMASRI	3,224,185	CUNE CASTELLANA, JORDI	3,223,303	EILERTSEN, LARS	3,224,200
CHANG, HENG-CHIA	3,223,502	D'AMATO, ROCCO	3,223,990	ELEMENT BIOSCIENCES, INC.	3,224,352
CHAPEAU, EMILIE	3,224,341	DAI NIPPON PRINTING CO.,		ELI LILLY AND COMPANY	3,223,313
CHAPOVALOV, MAXIM	3,223,296	LTD.	3,224,389	ELIYAHU, RINAT	3,224,008
CHECKMATE LIFTING &		DAILLERE, ROMAIN	3,223,488	ELLIS, FORD CHRISTOPHER	3,224,037
SAFETY LTD	3,223,498	DAN, MO	3,224,094	ELTAL, MUNIR HICHAM	3,224,028
CHEMTOR, LP	3,223,387	DANIELI & C. OFFICINE		EMBER, KATIE	3,224,202
CHEN, CHI-HAO	3,223,502	MECCANICHE S.P.A.	3,223,418	EMMANUEL, DAINA	3,224,176
CHEN, CHIEH-HSING	3,223,502	DAOUST, FRANCOIS	3,224,202	EMMANUEL, DAINA	3,224,185
CHEN, DAWEI	3,223,263	DARTWICK, MARTIN JAMES	3,223,512	ENERVENUE INC.	3,223,454
CHEN, JINGYAO	3,205,241	DATAR, SUMEDH VILAS	3,223,381	ENSLEY, EMILY	3,224,026
CHEN, LIJUN	3,205,241	DATTO, INC.	3,223,913	ENWIRES	3,224,061
CHEN, PI-HSUAN	3,223,502	DAVIDSON, ERIC	3,223,479	EQUINOR ENERGY AS	3,223,469
CHEN, SANZHI	3,223,413	DAVIS, BRIAN T.	3,223,564	ERASCA, INC.	3,223,602
CHEN, WEI	3,223,503	DE JONG, PETRUS RUDOLF	3,223,516	ESCOUBET, LAURE	3,223,516
CHEN, YI-WEN	3,223,503	DE LECEA, CARLOS	3,223,303	EVERIMMUNE	3,223,488
CHEN, YILE	3,223,304	DE NORA PERMELEC LTD	3,224,135	EVONIK OPERATIONS GMBH	3,223,458
CHENG, HAN	3,223,571	DEBIOPHARM		EVOQUA WATER	
CHENG, NAN	3,223,469	INTERNATIONAL S.A.	3,223,459	TECHNOLOGIES LLC	3,223,496
CHEVRON U.S.A. INC.	3,224,186	DEBLONDE, GAUTHIER	3,223,988	FABER, WARREN L	3,223,498
CHIVUKULA, SUDHA	3,224,175	DEBUSK, SAMUEL MARK	3,223,460	FANG, QIYIN	3,223,508
CHO, SUNG YUN	3,223,447	DECIU, COSMIN	3,223,315	FAPON BIOTECH INC.	3,224,182
CHRISTIANSEN, BJORN		DEL CORRAL, ADAM A	3,223,426	FARBER, ORI	3,224,340
(DECEASED)	3,223,392	DELGADO, SERGIO	3,224,028	FARMER, ROBERT	3,223,480
CHROMIK, ANDREAS	3,223,514	DEMIR, SEVDA	3,223,478	FARMER, ROBERT	3,223,482

Index of PCT Applications Entering the National Phase

FATE THERAPEUTICS, INC.	3,223,323	GIESECKE+DEVRIENT		HUANG, PETER QINHUA	3,223,516
FEDEX CORPORATE		CURRENCY		HUFTON, JEFFREY R.	3,223,295
SERVICES, INC.	3,223,305	TECHNOLOGY GMBH	3,223,481	HUGHES NETWORK	
FELD, TANHUM	3,223,384	GIL, KI CHEOL	3,223,475	SYSTEMS, LLC	3,223,613
FELLINGHAM, GEORGE	3,224,194	GIRARD, KRISTEN	3,224,333	HUTCHENS, RONALD K.	3,223,460
FENG, HUI	3,223,263	GOLDEN, TIMOTHY C.	3,223,295	HUTNICK, NATALIE A	3,223,426
FENG, TING	3,224,166	GOLDFINGER, VALENTINA	3,223,471	HWANG, JONG YEON	3,223,447
FERGUSON, JEROME	3,223,474	GONG, WANCHUN	3,223,409	HWANG-FU, YU-HSIEN	3,224,352
FERNALD, ROBERT	3,224,177	GONZALES, ALLISON	3,224,350	HYDE, CHRISTIAN	3,223,480
FERRAR, WAYNE	3,224,210	GONZALES, SHANEECE	3,223,479	HYDE, CHRISTIAN	3,223,482
FERREIRA, MANUEL ALLEN		GONZALEZ POLO, ADRIAN	3,223,485	IBRAHIM, AHMED G.	3,223,495
REVEZ	3,224,355	GOODRIDGE, JODE	3,223,323	ICHIM, THOMAS	3,224,353
FIDELLE, MARINE	3,223,488	GOODWIN, JAMES R.	3,223,496	ICU MEDICAL, INC.	3,223,991
FIENI, FRANCESCA	3,224,064	GORMLEY, MICHAEL P	3,223,426	ICU MEDICAL, INC.	3,223,999
FINN, TERRY	3,223,459	GOUVERNEYRE, JEAN	3,224,046	IDA, TORU	3,224,346
FIRDESSA FITE, REBUMA	3,223,371	GRAPHIC PACKAGING		IKEDA, MEGUMI	3,224,178
FISHER, JEFFREY	3,223,595	INTERNATIONAL, LLC	3,223,399	ILLUMINA, INC.	3,223,315
FISHER, JEFFREY	3,223,615	GREENE, MAURICIO	3,223,499	ILLUMINA, INC.	3,223,362
FISHER, PAUL	3,223,587	GREENLON, ALEX	3,223,479	ILLUMINA, INC.	3,223,390
FISTER, ZACHARY NATHAN	3,223,297	GU, JIAMIN	3,223,263	ILLUMINA, INC.	3,223,500
FIVES XCELLA	3,223,969	GUI, WENMING	3,223,882	ILLUMINA, INC.	3,223,501
FLEET, DAVID	3,223,508	GUIGNARD, FLORIAN	3,223,518	ILLUMINA, INC.	3,223,505
FOLEY, NATHAN WAYNE	3,223,297	GUILLET, MARINA	3,223,453	ILLUMINA, INC.	3,223,510
FORD, COLIN P.	3,223,399	GUO, CAIFANG	3,223,289	ILLUMINA, INC.	3,223,517
FORGEY, AUSTIN	3,224,044	GUO, SHU	3,223,400	ILLUMINA, INC.	3,223,582
FORSSMANN, ULF	3,223,375	GUO, SHU	3,223,405	ILLUMINA, INC.	3,223,595
FOSGARD, ERIC	3,223,597	GUO, WANTAO	3,223,263	ILLUMINA, INC.	3,223,615
FOWLER, MARGARET	3,223,564	GUO, ZIZHU	3,223,286	IMAI, MASAMI	3,224,011
FRANCAIS, ANTOINE	3,223,362	GUO, ZIZHU	3,223,403	IMANUEL, DEREK	3,224,336
FRANCIS, PETER	3,223,426	GUTEKUNST, DOROTHEA	3,223,401	IMMATICS	
FRASER, DOUGLAS	3,223,984	HA, JAE DU	3,223,447	BIOTECHNOLOGIES	
FRESCHAUF, LAUREN R.	3,224,028	HALONEN, JASON L.	3,223,564	GMBH	3,223,471
FREUDENMANN, LENA	3,223,471	HAM, BRIAN HUSTON	3,224,358	IMPERIAL COLLEGE	
FREZZA, RUGGERO	3,223,417	HAMAGUCHI, YASUNORI	3,224,346	INNOVATIONS LIMITED	3,223,990
FRIESEM, BEN ADAM	3,223,384	HAN, HUI	3,223,505	INOVIO PHARMACEUTICALS,	
FRITCHEN, AARON N.	3,224,052	HAN, SEUNG JIN	3,223,999	INC.	3,223,587
FU, GUOLIANG	3,223,987	HANGZHOU INNOGATE		INPAMAC BIOTECH CANADA	
FUHSE, CHRISTIAN	3,223,481	PHARMA CO., LTD.	3,224,094	INC.	3,223,116
FUKUDA, SAYAKA	3,224,135	HAO, RONG	3,223,413	INSERM (INSTITUT	
FUKUMOTO, MASAYUKI	3,224,015	HARB, REDA	3,224,185	NATIONAL DE LA SANTE	
FURBERG, GEIR	3,223,423	HARITAKIS, MICHAEL	3,224,177	ET DE LA RECHERCHE	
FURUSAKO, SHOJI	3,223,483	HARRINGTON, TIMOTHY	3,223,500	MEDICALE)	3,223,488
FUSHIMI, KAZUNA	3,224,016	HARRIS, JOHN E.	3,223,577	INSTITUT GUSTAVE-ROUSSY	3,223,488
G.T.A. MODA S.R.L.	3,224,128	HARTMANN, PASCAL	3,223,277	INSTITUT STRAUMANN AG	3,223,424
G1 THERAPEUTICS, INC.	3,223,467	HE, MOLLY	3,224,352	IONIC ALLIANCE HOLDINGS,	
GALICIA, DARLEN	3,223,449	HELBIG, ANDREAS	3,223,424	LLC	3,223,100
GALIZI, ROBERTO	3,223,990	HERBST, JOSEPH A.	3,223,496	IQM FINLAND OY	3,223,521
GANESAN, VENKAT	3,223,613	HERMANSEN, JESPER	3,223,440	ISA PHARMACEUTICALS B.V.	3,223,357
GAO, JIAN	3,223,289	HOCHMANN, SVEN	3,223,446	ITOH, TOSHIHIKO	3,224,344
GAREY, KEVIN	3,223,983	HOFER, MORITZ	3,223,481	JACKSON, SIMON	3,224,001
GARNER, GAGE D.	3,223,494	HOFFER, ERAN	3,224,028	JACOBSON, JAMES D.	3,223,991
GARY JR., WYNDHAM		HOFFMANN, GERD	3,223,401	JACQUES, CARINE	3,223,396
FAIRCHILD	3,223,487	HOFMEISTER, MARK	3,224,350	JAMES, AURELIEN	3,223,969
GAUDIN, LUC	3,223,491	HOGG, TAD	3,223,312	JANSSEN PHARMACEUTICA	
GEIWITZ, MICHAEL	3,223,457	HOLMAN, MONICA	3,223,386	NV	3,223,426
GENEFIRST LIMITED	3,223,987	HOLMAN, MONICA	3,223,393	JANTZON, CERSTEN	3,224,337
GENEROTTI, ALISON A.	3,223,587	HOLMAN, MONICA	3,223,414	JENKINS, BENJAMIN	3,223,519
GENMAB A/S	3,223,375	HOLTON, JR. DARRELL		JENSEN, JENS DAHL	3,223,316
GENZYME CORPORATION	3,224,018	EUGENE	3,223,460	JHU, HONG-JHENG	3,223,503
GERBER, DAVID	3,224,332	HOMMELTOFT, SVEN IVAR	3,224,186	JIAO, YONGQIN	3,223,988
GERUSZ, VINCENT	3,223,459	HOWARD, MICHAEL	3,223,615	JOCHEMSEN, CORNELIS JAN	3,224,130
GEVA, YOSEF	3,223,389	HU, YIWEI	3,223,286	JOHNSON, DONALD A.	3,223,449
GHANNOUM, AFIF	3,224,177	HUANG, CHUN-MU	3,223,502	JORNA, HARM	3,223,993
GHAZINEJAD, OLIVIA	3,223,615	HUANG, JUNJIE	3,223,284	JORNA, HARM	3,223,997

Index des demandes PCT entrant en phase nationale

JOSHI, VAIBHAV	3,224,222	KUMAR, NARENDRA	3,223,457	LIFESCAN IP HOLDINGS, LLC	3,224,350
JUNG, NA JIN	3,223,475	KUNAPARAJU, NITISH		LIGHT, WILLIAM	3,224,352
JURE-KUNKEL, MARIAN	3,223,375	KUMAR VARMA	3,223,473	LIM, BING	3,223,391
KANG, DU HO	3,223,388	KUO, CHE-WEI	3,223,503	LIM, TAE IL	3,223,475
KARKDIJK, SIMONE		KUO, PING-HENG	3,223,522	LIM, YE SEUL	3,223,447
CHRISTINA FREDERIQUE	3,223,279	KUPLENNIK, NATALIYA	3,224,334	LIN, WEI	3,223,602
KARLSRUHER INSTITUT		KYOTO UNIVERSITY	3,224,178	LIU, DONGGAUNG	3,223,310
FUER TECHNOLOGIE	3,223,277	L'EPICIER-SANSREGRET,		LIU, JIAN	3,223,289
KARTON, YISHAI	3,223,415	LAURENT	3,224,341	LIU, JIERU	3,224,094
KATO, AKIHIRO	3,224,135	LAHTEENMAKI, PASI	3,223,521	LIU, PENG	3,223,291
KATONA, LASZLO ROBERT	3,223,116	LALOU, JONATHAN	3,224,174	LIU, WEN	3,223,516
KELA, KALLE PETTERI	3,223,522	LAMBERT, STEVEN R.	3,223,496	LIU, XIAOHAI	3,223,362
KELLINGER, MATTHEW	3,224,352	LAMINAHEAT HOLDING LTD.	3,223,507	LIU, XIAOHAI	3,223,390
KELSEY, LACHLAN JAMES	3,223,428	LAMPE, MATTHEW	3,223,460	LIU, XIBAO	3,224,094
KENNEDY, ANDREW	3,223,501	LANDA LABS (2012) LTD	3,223,415	LIU, ZUJIAN	3,224,184
KENNEY, MICHAEL J.	3,223,454	LARKIN, MAEBH	3,223,487	LIVNE, MICHA	3,223,508
KESHAVARZ, MAJID	3,223,454	LASSEGUE, PIERRE	3,224,061	LOCKE, JUDSON BENTON	3,223,309
KESSLER, ELIJAH	3,223,302	LASTUSAARI, MIKA	3,223,398	LONDON HEALTH SCIENCES	
KHAN, TAYYAB	3,223,613	LATYPOV, RAMIL	3,224,018	CENTRE RESEARCH INC.	3,223,984
KHVOROVA, ANASTASIA	3,223,577	LAU, GARRET C.	3,223,295	LOPEZ-GITLITZ, ANGELA	
KIM, DONG HO	3,224,415	LAVMAND MULLER, DAVID	3,224,200	MENNICKE	3,223,426
KIM, HAN WOOL	3,223,447	LAWES, STEPHEN	3,224,108	LOTTA, LUCA ANDREA	3,224,355
KIM, HYEON BE	3,224,348	LAWRENCE LIVERMORE		LOUIS REGIS, LENAICK	3,223,969
KIM, HYEON JI	3,223,475	NATIONAL SECURITY,		LTS LOHMANN THERAPIE-	
KIM, HYO YOUNG	3,223,475	LLC	3,223,988	SYSTEME AG	3,223,401
KIM, HYUN JIN	3,223,447	LEBLOND, FREDERIC	3,224,202	LU, ZHIPEI	3,223,403
KIM, JEONG WOO	3,224,348	LEBRUN, NICOLAS	3,224,006	LUMMERTZ DA ROCHA,	
KIM, MICHAEL	3,224,352	LEE, CHRISTOPHER	3,223,412	EDROALDO	3,223,391
KIM, PIL HO	3,223,447	LEE, HAN BIT	3,224,348	LUO, ZHONGHUAN	3,223,505
KIM, SEONG DO	3,224,415	LEE, HO HYUN	3,223,447	LV, JIASHENG	3,223,263
KIM, SUNG	3,223,315	LEE, HYEON JU	3,223,475	LYOTROPIC DELIVERY	
KIM, TAE	3,224,198	LEE, JOO CHUL	3,224,415	SYSTEMS LTD	3,223,515
KIM, TAE YOON	3,224,415	LEE, SONG HEE	3,223,447	LYOTROPIC DELIVERY	
KIMURA, AKIYOSHI	3,223,407	LEE, SZU-HSUAN	3,224,187	SYSTEMS LTD	3,223,520
KIMURA, AKIYOSHI	3,223,562	LEEKER, RUSSELL A.	3,223,444	LYU, LU	3,224,094
KIRILLOV, SERGEI	3,224,334	LEIBIGER, JOERG	3,223,446	MA, XIAOYU	3,223,595
KIRINO, MANABU	3,224,017	LEIBLER, DAVID MICHAEL	3,224,008	MA, XINXIN	3,223,263
KOBORI, HIROYUKI	3,224,389	LEICK, SABINE	3,223,458	MACEACHERN, LAUREN	3,223,412
KOCER, JARED ERNEST	3,223,301	LELY PATENT N.V.	3,223,993	MACGREGOR SWEDEN AB	3,223,456
KOCHER, CHRISTOPHER	3,223,302	LELY PATENT N.V.	3,223,997	MADONO, AKIHIRO	3,224,135
KOCOL, THEODORE	3,223,496	LEMASSON, CAMILLE	3,223,453	MADSEN, BO ESKEROD	3,223,300
KOH, JIAN EN	3,223,510	LESSARD-VIGER, MATHIEU	3,223,595	MADSEN, BO ESKEROD	3,223,307
KOJOKARO, NIR	3,223,415	LESSARD-VIGER, MATHIEU	3,223,615	MAIER, LEONHARD	3,223,374
KOKKOLI, EFROSINI	3,223,463	LEVAKE, KYLIE L.	3,223,564	MAISTRE, ADRIEN	3,223,476
KOLSTAD, BRADLEY W.	3,224,052	LEVCHENKO, ANDRE	3,183,366	MAITRE, MARTINE	3,223,396
KOLTZ, MICHAEL L. JR.	3,223,367	LEW, ERIN DENISE	3,223,602	MALIK, RAJESH KUMAR	3,223,467
KONG, SHUANG	3,224,016	LEWARCH, CAITLIN	3,224,332	MALM, ANNIKA	3,223,363
KONG, XIANQI	3,223,263	LEXMARK INTERNATIONAL,		MALONEY, THOMAS	3,224,201
KOREA RESEARCH		INC.	3,223,297	MANEG, OLIVER	3,224,328
INSTITUTE OF		LEYVA PEREZ, ANTONIO	3,224,324	MANNEBACH, SCOTT ALAN	3,224,359
CHEMICAL		LI, AILONG	3,224,016	MANOHARAN, SUTHAHAR	3,223,496
TECHNOLOGY	3,223,447	LI, ALEXANDER	3,224,355	MANZ, TIMO	3,223,471
KOSEKI, KAZUHIRO	3,224,011	LI, AO	3,223,304	MANZO, ANDREA	3,223,500
KOWAKI, YUKIO	3,224,149	LI, BO	3,223,504	MAPELLI, CARLO	3,223,484
KOWALEWSKI, DANIEL	3,223,471	LI, HAIMING	3,223,263	MARBACH, JULIEN	3,223,424
KRETSCHMER, KATJA		LI, JIALI	3,223,516	MARBAN, EDUARDO	3,223,495
RAMONA	3,223,277	LI, LELE	3,223,289	MARONEY, STANLEY L.	3,224,358
KRISHNAMURTHY, SAILESH		LI, QUFEI	3,224,183	MARSHALL, JERRY WAYNE	
BHARATHWAAJ	3,223,381	LI, RUYI	3,224,184	(DECEASED)	3,223,460
KRUGER, URSUS	3,223,316	LI, XIN	3,223,310	MASON, GARY EDWARD	3,223,426
KRYSIK, MICHAEL		LI, YING	3,205,241	MATHEW, LOLITA GEORGE	3,223,995
KENNETH	3,223,100	LIAO, KYLIN	3,223,282	MATTOCKS, JOSEPH	
KSANTINI, NASSIM	3,224,202	LIAO, YINSHENG	3,223,291	ANTHONY	3,223,988
KUBOYAMA, TOSHIFUMI	3,224,017	LIDDLE, DANIEL	3,224,194	MAUNG, CRYSTAL	3,223,381

Index of PCT Applications Entering the National Phase

MB ATECH GMBH	3,223,446	NBTECH AB	3,223,296	PARKER, MELISSA ALEX	3,223,493
MBOFUNG, RINA	3,223,323	NEC PLATFORMS, LTD.	3,224,344	PARKER, RICHARD	3,224,188
MCCOY, JAY	3,223,587	NESTE OYJ	3,223,363	PATKE, SANKET	3,224,018
MCCOY, TIMOTHY	3,224,018	NESTE OYJ	3,223,569	PAULS, HEINZ	3,223,459
MCDONALD, SETH	3,223,615	NEVO, YANIV	3,224,008	PAWAR, SANDIP VASANT	3,224,028
MCGRATH, ELIZABETH	3,223,394	NEVO, YUVAL	3,224,008	PEDRAZZETI, MATTEO	3,223,518
MCKILLIGAN, DENNIS M.	3,224,052	NGANTUNG, FREDERYK	3,223,449	PEEK, MICHAEL SHANE	3,224,358
MCVEY, CASSANDRA A.S.	3,223,480	NGUYEN, PETER N.	3,223,564	PENCHEVA, NORA	3,223,375
MCVEY, CASSANDRA A.S.	3,223,482	NICOVENTURES TRADING LIMITED	3,223,460	PENINGER, DIANA	3,223,462
MEADE, ALLISON	3,223,615	NICOVENTURES TRADING LIMITED	3,223,519	PERFORMANCE PULSATION CONTROL, INC.	3,224,337
MEARS, RAYMUND E.	3,223,496	NIGHMAN, CHRISTOPHER CHARLES	3,223,499	PEROLA, EMANUELE	3,224,189
MEHAN, MICHAEL	3,223,315	NIITSUMA, HIROYASU	3,223,418	PERSSON INNOVATION AB	3,223,489
MEI, RIGUO	3,223,411	NIPPON STEEL ENGINEERING CO., LTD.	3,224,149	PERUMAL, PRATHEESH P.	3,223,496
MEI, ZHONG	3,223,505	NISHIO, KANAE	3,223,418	PETERSEN, JASEN ERIC	3,223,100
MELODEA LTD.	3,224,008	NISHIZAWA, TAKUTO	3,224,015	PHAM, NGOC H.	3,223,564
MENG, YUAN	3,224,182	NOKIA TECHNOLOGIES OY	3,223,522	PHILLIP, YAEL	3,223,389
MESSER SE & CO. KGAA	3,223,509	NOLAN, KEITH	3,223,487	PHYTANT	3,223,416
METALOGENIA RESEARCH & TECHNOLOGIES S.L.	3,223,485	NORBERG, STEVEN	3,223,500	PICOT, FABIEN	3,224,202
METHAPATARA, CHINNATAT	3,223,305	NORDGREN, KRISTIAN	3,223,489	PIERRE FABRE DERMO- COSMETIQUE	3,223,396
METZGER, MARK	3,223,382	NORDICCO A/S	3,223,440	PIPEX ENERGY S.R.L.	3,223,484
MEXICHEM FLUOR S.A. DE C.V.	3,223,477	NOROUZI, RAMIN	3,223,327	PIZZOCHERO, ALESSANDRO E.	3,223,473
MICROTEC S.R.L.	3,223,417	NORRBO, ISABELLA	3,223,398	PLATT, DEREK	3,223,273
MIJOSEK, VEDRANA	3,223,471	NOVARTIS AG	3,224,341	PODER, KASPER	3,224,200
MILICEVIC, ZVONKO	3,223,313	NOVOCURE GMBH	3,224,334	POLLACK, JORDAN	3,223,384
MILLER, MARISA	3,223,995	NOVOCURE GMBH	3,224,335	POLO D'INNOVAZIONE DI GENOMICA GENETICA E BIOLOGIA SRL	3,223,990
MINGHUI PHARMACEUTICAL (HANGZHOU) LIMITED	3,223,304	NOVOCURE GMBH	3,224,340	POLY-MED, INC.	3,223,513
MINGHUI PHARMACEUTICAL (SHANGHAI) LIMITED	3,223,304	O'HEERON, PETE	3,224,353	POLYVALOR, LIMITED	
MITCHELL, COLLIN	3,223,913	OBERWISE, ERIC MICHAEL	3,224,028	PARTNERSHIP	3,224,202
MOCHIDA PHARMACEUTICAL CO., LTD.	3,223,483	OBUCHOVSKY, STAS	3,224,334	POSTIGO FERNANDEZ, JORGE	3,223,371
MOHAMED, RANA	3,223,387	OCEAN SPRAY CRANBERRIES, INC.	3,224,333	POULSEN, NIKOLAI BRENT	3,224,357
MOLLER, WOLFGANG	3,224,328	OH, JOANNE	3,223,602	POWELL, SEAN	3,224,179
MOLTER, TRENT M.	3,224,201	OKABE, HIROSHI	3,224,357	PRABHU, ANMIV	3,223,517
MON CONEJERO, MARTA	3,224,324	OKADA, TAKUYA	3,224,016	PRADAS, JOSE LUIS	3,223,388
MONSALUD, LUIS	3,223,460	OKOS, CHRIS J.	3,224,028	PRADO, PAUL	3,224,198
MONTANARI, GIOVANNI	3,223,511	OLIVER MESEGUER, JUDIT	3,224,324	PREVITE, MICHAEL	3,224,352
MOON, HEE JUNG	3,223,447	OREFICI, LUCA	3,223,484	PRISM NEURO PTY LTD	3,223,394
MOORE, CHRISTOPHER B.G.	3,223,515	OSMUS, JAMES	3,223,510	PROAMPAC HOLDINGS INC.	3,223,444
MOORE, CHRISTOPHER B.G.	3,223,520	OTT, VERA	3,224,328	PULTAR, PHILIPPE	3,223,516
MORI, EIICHIROH	3,224,149	OXFORD BIOMEDICA SOLUTIONS LLC	3,223,292	Q-STATE BIOSCIENCES, INC.	3,224,222
MOTTONEN, MIKKO	3,223,521	OXFORD UNIVERSITY INNOVATION LIMITED	3,224,361	Q-STATE BIOSCIENCES, INC.	3,224,332
MOULTHROP, LAWRENCE	3,224,201	OZMEN, DOGAN	3,223,993	QI, AXI	3,223,289
MUA, JOHN PAUL	3,223,460	PAIRWISE PLANTS SERVICES, INC.	3,223,995	QI, ZHONGWEI	3,223,379
MUELLER, STEFAN	3,223,446	PALKAR, JOTIRAM	3,224,342	QIAO, WEICANG	3,205,241
MUIK, ALEXANDER	3,223,375	PALMER, REBECCA B.	3,224,358	QIN, NING	3,224,094
MUNIR, MUHAMMAD	3,223,318	PAN, JUN	3,223,263	QSC, LLC	3,223,499
MUNOZ, BRAD	3,224,044	PAN, QIU	3,223,571	QUANTUM FUEL SYSTEMS LLC	3,224,198
MURDOCH, KAREN	3,224,201	PAN, YI	3,223,286	QUICK AND PURE HOLDINGS, LLC	3,223,382
MUTHUSAMY, PALANIVEL	3,223,496	PAN, YI	3,223,403	QUICK FITTING HOLDING COMPANY, LLC	3,223,308
MYERS, MEREDITH	3,224,333	PAN, YI	3,223,411	R.P. SCHERER TECHNOLOGIES, LLC	3,224,359
NAKAI, TAKAAKI	3,224,135	PANO THERAPEUTICS, INC.	3,224,064	RADEMACHER, TIMOTHY JOHN	3,223,297
NAKAMURA, RYUHEI	3,224,016	PARK, BYUNG SUN	3,223,475	RAHM, MICHAEL	3,223,481
NANJING NUTRABUILDING BIO-TECH CO., LTD.	3,223,282	PARK, CHI HOON	3,223,447	RAJENDARA, PRASAD T. (DECEASED)	3,224,342
NARASIMHAN, GOPAL	3,223,305	PARK, DAN MCFARLAND	3,223,988		
NARUMI, TOMOHIRO	3,223,483	PARK, JI YOUN	3,223,447		
NAVIER MEDICAL LTD	3,223,428	PARKER, ALEX MICHAEL	3,224,359		
NAWALAKHE, RUPESH GAJANAN	3,224,028	PARKER, BRIAN T.	3,224,358		

Index des demandes PCT entrant en phase nationale

RAJENDRAN, GOPINATH	3,223,496	SANCHEZ GUIASADO, FERMIN	3,223,485	SOCHOR, FLORIAN	3,224,328
RAMANITHARAPANDIAN, ADITHYA	3,223,505	SANOFI	3,224,175	SOLFRONK, MATTHEW	3,223,317
RAMESH, SHARATH	3,223,496	SARACHO, RAMON	3,223,615	SOLUGEN, INC.	3,223,449
RAMIREZ, DANIEL	3,223,480	SATO, SHINGO	3,223,483	SONG, PEIMING	3,223,263
RAMIREZ, DANIEL	3,223,482	SATOH, TSUTOMU	3,223,483	SOUND AGRICULTURE COMPANY	3,223,479
RAMSDEN, PHILIP D.	3,224,189	SCALE AQUACULTURE AS	3,223,423	SPARK BIOPHARMA, INC	3,223,475
RASMUSSEN, TOBIAS	3,223,392	SCHEICH, CHRISTOPH	3,224,328	SPENCER, THOMAS LEE	3,223,421
RAUBER, CONRAD	3,223,488	SCHEINBLUM, TAYLOR JACOB	3,224,357	SPIJKERBOER, HENK JAN	3,224,130
RAVEN INDUSTRIES, INC.	3,223,301	SCHIERMEIER, BRIAN J.	3,223,444	SPINALCYTE LLC	3,224,353
REA, DAVE	3,224,198	SCHLOGEL, GEORG	3,223,401	SPLITVOLT, INC.	3,224,194
REAZN BELGIUM	3,224,046	SCHMELZLE, TOBIAS	3,224,341	SRINIMUKESH, HARISH MANICKAM	3,224,357
RECCHIA, RAYMOND J.	3,223,444	SCHMID, GREGORY	3,223,945	ST. CHARLES, FRANK KELLEY	3,223,460
RECURIUM IP HOLDINGS, LLC	3,223,516	SCHMIDT, HARALD	3,223,458	STANFORD, MATHEW MURPHY	3,223,513
REDLINE DETECTION, LLC	3,223,493	SCHMIDT-KRULIG, ALEXANDER	3,223,424	STANVICK, MARISSA	3,223,292
REGENERON PHARMACEUTICALS, INC.	3,224,355	SCHNEIDERMAN, ZACHARY	3,223,463	STEARNS, GRANT MATTHEW	3,224,028
REILLY, MICHAEL	3,223,273	SCHRADER, CHRISTOPH	3,223,471	STEEMERS, FRANK J.	3,223,501
REMONI A/S	3,223,307	SCHUMANN, DAVID	3,224,187	STEINBORN, PETER	3,223,401
REMONI TECHNOLOGIES RO SRL	3,223,300	SCHUSTER, HEIKO	3,223,471	STEINBRECHER, VIKTORIA	3,223,401
REY, JULIEN	3,223,969	SCHWER, JAKE	3,223,564	STEWART, BRYAN	3,224,358
REZVANI, KATY	3,224,026	SCIROCCO, JENNIFER LOUISE	3,223,519	STICHART, JOSEPH G.	3,223,564
RICHARDSON, GEORGE	3,223,305	SEEGENE, INC.	3,224,348	STOCKL, CHRISTIAN	3,223,481
RICHEZ, ALEXANDRE	3,223,582	SEGIT, ALEXANDER JOHN	3,223,473	STOHL, MICHELLE	3,223,480
RIFFE, MICHAEL R.	3,223,496	SEGUIN, VINCENT	3,224,187	STOHL, MICHELLE	3,223,482
RIKEN	3,224,016	SEKIMOTO, KENICHI	3,224,149	STOLBOUSHKIN, EUGENE	3,223,317
RISEN (SUZHOU) PHARMA TECH CO., LTD.	3,223,263	SENER, DANIEL T.	3,223,444	STORMS, LENA	3,223,615
RIVA POWER SYSTEMS GMBH & CO. KG	3,223,514	SEO, JI SOO	3,223,475	STRUTTMANN, CHRISTOPHER EDWARD	3,223,309
RKW SE	3,223,374	SERVICENOW, INC.	3,224,187	STUTZMAN, TODD ANTHONY	3,224,359
ROBERTSON INTELLECTUAL PROPERTIES, LLC	3,224,192	SEVER, CLINTON	3,223,497	SUETSUGU, KAZUMASA	3,224,016
ROBERTSON, MICHAEL C.	3,224,192	SHAFIR, SHARONI	3,223,416	SUH, BEOM SEON	3,223,447
ROEST, MARTIJN	3,224,130	SHAH, AKSHAY CHETAN	3,224,176	SUMITOMO PHARMA CO., LTD.	3,224,178
ROMER, MICHAEL	3,223,471	SHAH, AKSHAY CHETAN	3,224,185	SUN, HUAJUN	3,223,286
RONG, LIANGBIN	3,223,571	SHANDONG NEW TIME PHARMACEUTICAL CO., LTD.	3,223,310	SUZHOU FUSE BIOSCIENCES LIMITED	3,224,183
ROSE, KEVIN	3,223,309	SHAPIRO, DAVID	3,224,334	SZEMJONOV, ALEXANDRA	3,223,582
ROSENBOOM, GERRIT EIMBERTUS	3,223,499	SHARRATT, ANDREW	3,223,477	TABATABAEI, SEYED HESAMODDIN	3,223,444
ROSENFELD, MARK J.	3,223,515	SHAW, ANDREW	3,223,306	TAKAHASHI, JUN	3,224,178
ROSENFELD, MARK J.	3,223,520	SHEN, FEI	3,223,615	TAKAHASHI, RYOSUKE	3,224,015
ROVI GUIDES, INC.	3,224,176	SHER, ANDREW WINSLOW	3,223,985	TAKEDA, SUGURU	3,224,149
ROVI GUIDES, INC.	3,224,185	SHETTERLY, SUSAN	3,224,001	TAKUSHIMA, KAZUHIRO	3,224,389
ROWETT, KEVIN	3,224,194	SHIMIZU, REIKO	3,224,389	TALHAUSER, CRAIG	3,223,375
ROZEK, THERESE A.	3,223,564	SHIN-ETSU CHEMICAL CO., LTD.	3,224,346	TALLANO TECHNOLOGIES	3,223,476
RSI TECHNOLOGY GROUP, LLC	3,223,462	SHOEMAKER, ROBERT FIELD	3,223,602	TAN, LOONGYI	3,223,449
RUDE, KEVIN WALTON	3,223,100	SHTOTLAND, MICHAEL	3,224,334	TANG, QI	3,223,577
RYU, JE HO	3,223,447	SHUB, IFAT	3,223,389	TAO, WENXIU	3,223,291
S. C. JOHNSON & SON, INC.	3,223,564	SHULER, JAY L.	3,223,422	TAXIARCHI, CHRYSANTHI	3,223,990
SAHIN, FIKRETTIN	3,223,478	SHULTZABERGER, SARAH E.	3,223,390	TAYLOR, JASON	3,223,302
SAHIN, UGUR	3,223,375	SIAZON, ROMUALDO SONNY	3,223,480	TECHMIX, LLC	3,224,052
SAJIC, PETER	3,223,507	SIAZON, ROMUALDO SONNY	3,223,482	TEJPAL, RITISH	3,224,108
SALOWAY, SIMON CRAIG	3,223,295	SIEMENS AKTIENGESELLSCHAFT	3,223,316	TEJPAL, RITISH	3,224,354
SALOWAY, SIMON CRAIG	3,223,306	SIEVE, JASON DARWIN	3,224,005	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	3,223,388
SAMABRIVA	3,223,453	SIMONI, ALEKOS	3,223,990	TEN CATE PROTECT BV	3,223,279
SAMANT, RAJARAM	3,224,342	SINGH, ASHISH	3,223,494	THAKURDESAI, SHANTANU YADUNATH	3,223,381
SAMATAR, AHMED ABDI	3,223,516	SIYANG, HAIXIAO	3,223,263	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	3,223,504
SAMPATH, VISWANATHAN	3,223,496	SKYRE, INC.	3,224,201		
SAMSON, JENNIFER	3,223,479	SLABY, JIRI	3,224,037		
		SLOOF, RONALD	3,223,404		
		SMITH, JOHN FORREST	3,224,358		
		SNELLMAN, MARK	3,223,309		
		SNOW, SAMANTHA	3,224,352		

Index of PCT Applications Entering the National Phase

THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	3,223,506	VAL-CHUM, LIMITED PARTNERSHIP	3,224,202	WILLIAMS, JENNIFER TOPMILLER	3,223,297
THE COCA-COLA COMPANY	3,224,044	VALAMEHR, BAHRAM	3,223,323	WILLIAMS, LUIS	3,224,222
THE HEIL CO.	3,224,358	VAN DIJK, GERRIT BEERT	3,223,279	WILLIAMS, LUIS	3,224,332
THE JOHNS HOPKINS UNIVERSITY	3,223,463	VAN DORP, MICHEL ADRIAAN	3,223,993	WILLICK, JOHN	3,223,945
THE PENN STATE RESEARCH FOUNDATION	3,223,988	VAN KESTER, ROBIN ANDREAS ALBERTUS	3,223,993	WILSON, DOUGLAS	3,224,189
THE TRUSTEES OF BOSTON COLLEGE	3,223,457	VAN KESTER, ROBIN ANDREAS ALBERTUS	3,223,997	WINKLER, GABRIELE	3,223,316
THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	3,223,371	VAN LIESHOUT, LAURA	3,223,292	WINNER, DUNCAN	3,223,386
THOMAS, JEFFREY A.	3,224,194	VAN RIJN, ANDRE AELREDUS LAURENTIUS	3,223,279	WINNER, DUNCAN	3,223,393
THOMAS, SHIBU	3,223,426	VAN ROON, PETER	3,224,130	WINNER, DUNCAN	3,223,414
THOMPSON, JON	3,223,399	VANOYEN, HANS	3,224,198	WITH-U E-COMMERCE (SHANGHAI) CO., LTD.	3,223,512
THOMSEN, DENNIS	3,223,440	VARGAS, RICHARD	3,224,189	WOLFGANG, CURT DOUGLAS	3,223,467
THREEBOND CO., LTD.	3,224,015	VAUGHN, MICHAEL AARON	3,223,513	WRIGHT, GERALDINE	3,223,416
THREEBOND CO., LTD.	3,224,017	VEINWAY LTD.	3,223,384	WU, CHAO	3,223,882
THYMMUNE THERAPEUTICS, INC.	3,223,391	VENZ, STEVEN MICHAEL	3,223,497	WU, CHUN	3,223,263
TIEPELMAN, ROBERT M.	3,223,444	VESPOLI, ANTONINO	3,223,487	WU, XIAOLIN	3,223,362
TILBURG, ADRIANUS JOHANNES MARIA	3,223,404	VIEN, LONG	3,224,026	WU, XIAOLIN	3,223,390
TINDALL, DEBRA	3,223,513	VISIONARY TRAINING RESOURVES, INC.	3,224,188	WU, YINGYING	3,223,454
TINTORE GAZULLA, MARIA	3,223,303	VMI HOLLAND B.V.	3,224,130	X DEVELOPMENT LLC	3,223,340
TJIOE, MARCO	3,224,352	VOGEL, MATTHEW STEPHEN	3,224,037	XIONG, BO	3,223,508
TOKYO ROPE MFG.CO.,LTD.	3,224,011	VOICU, ANDRA MIHAELA	3,223,388	XIU, XIAOYU	3,223,503
TONG, YUNCHUN	3,223,291	VOLIOTIS, DIMITRIOS	3,223,516	YAKHNICH, VLAD	3,223,370
TORRES MONTALVO, RAUL	3,223,485	VUORI, SAMI	3,223,398	YAMA, TULASIRAM	3,223,496
TORRIS, ANTHONY V.	3,223,370	WAETZIG, JOSHUA D.	3,223,412	YAMAMOTO, YOSHIAKI	3,223,407
TOSOH CORPORATION	3,224,016	WAHLSTROM, RONNY	3,223,363	YAMAMOTO, YOSHIAKI	3,223,562
TRIAL S.R.L.	3,223,511	WAHLSTROM, RONNY	3,223,569	YAN, NING	3,223,503
TRONCELLITI, LISA	3,224,350	WALLIN, TOMAS	3,223,456	YANG, BAOYU	3,205,241
TRUDEL, DOMINIQUE	3,224,202	WANG, XIANGLIN	3,223,503	YANG, HANYU	3,224,094
TSR RECYCLING GMBH & CO. KG	3,223,435	WANG, XIN	3,223,291	YANG, HWI CHAN	3,224,415
TULIPS CORPORATION	3,223,597	WANG, XINYUE	3,223,571	YANG, SHENGYONG	3,223,512
TURUN YLIOPISTO	3,223,398	WARNECKE, TANYA	3,223,311	YANG, TAO	3,223,469
UBIX THERAPEUTICS, INC.	3,223,447	WASSERMAN, YORAM	3,224,334	YAO, SHENG	3,223,263
ULEBERG, KNUT	3,223,469	WASSERMAN, YORAM	3,224,335	YERKINKYZY, GULNAR	3,223,469
UNDERWOOD, LANCE	3,183,366	WASTEWIZER INC.	3,223,421	YI, JOHN SEUNG-HOON	3,223,467
UNITED PARCEL SERVICE OF AMERICA, INC.	3,223,474	WEATHERFORD TECHNOLOGY HOLDINGS, LLC	3,223,945	YI, RONGHUA	3,223,282
UNIVERSITAT POLITECNICA DE VALENCIA	3,224,324	WEBER-STEPHEN PRODUCTS LLC	3,223,480	YIN, YIJIE	3,223,263
UNIVERSITE GRENOBLE ALPES	3,224,330	WEBER-STEPHEN PRODUCTS LLC	3,223,482	YOO, SUN MI	3,223,447
UNIVERSITE PARIS-SACLAY	3,223,488	WEI, SHIH-CHUNG	3,223,510	YOSHIMURA, DAISUKE	3,223,407
UNIVERSITY OF LANCASTER	3,223,318	WEINBERG, URI	3,224,334	YOSHIMURA, DAISUKE	3,223,562
UNIVERSITY OF MASSACHUSETTS	3,223,577	WEINSCHENK, TONI	3,223,471	YOUSEF, SARA	3,223,471
UNIVERSITY OF WASHINGTON	3,223,985	WEIST, EDWARD LANDIS JR.	3,223,295	YU, BING	3,223,503
UNNIKRISHNAN, VIKRAM	3,223,317	WEN, PATRICK	3,223,517	YU, HAO	3,223,510
UPAH, NATHAN C.	3,224,052	WENGLOWSKY, STEVEN MARK	3,224,189	YU, HUA	3,224,352
UPRETY, NADIMA	3,224,026	WERNER HANSEN, PETER	3,224,200	YU, ZHITAO	3,223,284
URTISHAK, KAREN ANN	3,223,426	WESTPORT FUEL SYSTEMS CANADA INC.	3,223,494	YU, ZHITAO	3,223,409
URVA, SHWETA	3,223,313	WHITE, RICHARD D.	3,224,357	YUAN, CHUNLIANG	3,223,512
V. MANE FILS	3,223,491	WHITE, VINCENT	3,223,306	YUAN, WANSONG	3,223,571
VAIDYANATHAN, BALA	3,223,305	WIBLE, CULLIN J.	3,224,190	ZAENAL, AWALUDIN	3,224,135
		WIEDERSBERG, SANDRA	3,223,401	ZAIDI, SOHAIL R.	3,223,515
		WIJNIA, AALF	3,224,130	ZAIDI, SOHAIL R.	3,223,520
		WILDER, EVAN	3,224,179	ZEMEL, MICHAEL	3,224,064
		WILLIAMS, ALAN	3,223,323	ZEROAVIA, INC.	3,224,108
				ZEROAVIA, INC.	3,224,354
				ZHANG, DANDAN	3,224,094
				ZHANG, GUIMIN	3,223,310
				ZHANG, HANCHENG	3,224,094
				ZHANG, JIANCHANG	3,223,286
				ZHANG, JINGCHUAN	3,223,602
				ZHANG, KE	3,223,403
				ZHANG, LIN	3,224,167
				ZHANG, MING	3,224,198
				ZHANG, MINGHUI	3,205,241
				ZHANG, QI	3,224,167

Index des demandes PCT entrant en phase nationale

ZHANG, QIANG	3,223,882
ZHANG, SIQI	3,223,517
ZHANGJIAGANG ALIEN NEW MATERIAL TECHNOLOGY CO., LTD	3,224,166
ZHAO, JUNHUA	3,224,352
ZHAO, JUNYING	3,205,241
ZHAO, XIN	3,223,426
ZHONG, DONGMEI	3,224,182
ZHOU, ZHAODI	3,223,882
ZHU, JINGYI	3,223,454
ZHU, YUANGEN	3,223,426
ZIEMANN, THEODORE EDWIN	3,223,608
ZITVOGEL, LAURENCE	3,223,488
ZOUNES, BRENDEN ULYSSES	3,223,587
ZU, GE	3,223,454

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

10353744 CANADA LTD.	3,223,921	JIANG, XIN	3,223,645	TERMIR, INC.	3,223,780
ADZIC, VELIBOR	3,223,625	KALVA, HARI	3,223,625	THE REGENTS OF THE	
ALFONSI, FREDERIC	3,223,891	KAPELEVICH, VITALY	3,223,929	UNIVERSITY OF	
AMERI, MAHMOUD	3,223,555	KELLERMAN, DONALD	3,223,555	CALIFORNIA	3,223,687
AO, YI	3,223,555	KIMENER, THOMAS		THODE, JUSTIN F.	3,224,047
APPY, JACQUES	3,223,891	TERRENCE	3,223,688	TRON - TRANSLATIONALE	
BALSLEY, ERIC	3,223,891	KORF-KLINGEBIEL,		ONKOLOGIE AN DER	
BARON, JODY L.	3,223,687	MORTIMER	3,223,879	UNIVERSITÄTSMEDIZIN	
BEISSERT, TIM	3,223,575	KORNBERG, BRIAN	3,223,645	DER JOHANNES	
BENDER, CHRISTOPHER F.	3,223,645	KUHN, ANDREAS	3,223,575	GUTENBERG-	
BIONTECH SE	3,223,575	KUNTZER, NICOLAS	3,223,891	UNIVERSITÄT MAINZ	
BOEHRINGER INGELHEIM		KYRATSOUS, CHRISTOS	3,223,798	GGMBH	3,223,575
INTERNATIONAL GMBH	3,223,879	LEE, CHITASE	3,223,645	VALLAZZA, BRITTA	3,223,575
BOLTON, GARY	3,223,645	LOU, JIANLONG	3,223,687	VECTUS BIOSYSTEMS	
BORNHOLDT, MELISSA		MACDONALD, LYNN	3,223,798	LIMITED	3,223,869
CATHERINE	3,223,929	MAHR, ANDREA	3,223,546	VISNICK, MELEAN	3,223,645
BROMMER, CHAD L.	3,223,709	MARKS, JAMES D.	3,223,687	WALLS, BRUCE MICHAEL	3,223,929
BROMMER, CHAD L.	3,223,780	MCLAREN, MARK ARVIND	3,223,929	WANG, WUYI	3,224,206
BROTHER KOGYO		MONROY FELIX, DAVID	3,223,929	WEINSCHENK, TONI	3,223,546
KABUSHIKI KAISHA	3,223,900	MURPHY, ANDREW J.	3,223,798	WOLLERT, KAI CHRISTOPH	3,223,879
CANARY MEDICAL		NISHIMURA, STEPHEN L.	3,223,687	WU, SHENPING	3,223,687
SWITZERLAND AG	3,223,705	OP SOLUTIONS, LLC	3,223,625	YANG, DENNIS	3,224,206
CAPRATHE, BRADLEY		ORLANDINI VON NIESSEN,		ZHANG, YI	3,223,921
WILLIAM	3,223,645	ALEXANDRA	3,223,575		
CERES, INC.	3,224,206	PAINCHAUD, GAETAN	3,223,891		
CHAKRABARTI, AJOY	3,223,891	PARK, MINSOO	3,223,782		
CHENG, YIFAN	3,223,687	PARK, MINWOO	3,223,782		
CHOI, KIHU	3,223,782	PEKCEC, ANTON	3,223,879		
CHOI, NARAE	3,223,782	PHARMA CONSULT			
CHOI, WOONGIL	3,223,782	GES.M.B.H.	3,223,891		
CHRISTENSEN, CORY	3,224,206	PIAO, YINJI	3,223,782		
CORMIER, ANTHONY	3,223,687	POLEGANOV, MARCO			
CROWN EQUIPMENT		ALEXANDER	3,223,575		
CORPORATION	3,224,047	REATA PHARMACEUTICALS,			
DUGGAN, KAREN ANNETTE	3,223,869	INC.	3,223,645		
EMERGEX USA		REBOLL, MARC R.	3,223,879		
CORPORATION	3,223,555	REGENERON			
FESSER, STEPHANIE	3,223,575	PHARMACEUTICALS,			
FISHER & PAYKEL		INC.	3,223,798		
HEALTHCARE LIMITED	3,223,929	RYU, GAHYUN	3,223,782		
FREESTONE, PAUL MATHEW	3,223,929	SAHIN, UGUR	3,223,575		
FRITSCHKE, JENS	3,223,546	SAMSUNG ELECTRONICS			
FURHT, BORIVOJE	3,223,625	CO., LTD.	3,223,782		
GORDON, CALLUM ROSS	3,223,929	SCHOOR, OLIVER	3,223,546		
GRAHAM, RYAN ANTHONY	3,223,929	SHELDON, ZACHARY S.	3,223,645		
GURER, CAGAN	3,223,798	SINGH, HARPREET	3,223,546		
HAMMER, JEROEN	3,223,929	SLIGHT, MATTHEW ROBERT			
HOTEMA, MARTHA R.	3,223,645	GEOFF	3,223,929		
HUDDART, BRETT JOHN	3,223,929	STABILOCK, LLC	3,223,688		
HUNTER, WILLIAM L.	3,223,705	STAMPER, SYLVAIN	3,223,891		
IMMATICS		STEPHENSON, MATTHEW			
BIOTECHNOLOGIES		ROGER	3,223,929		
GMBH	3,223,546	TAKASAKA, NAOKI	3,223,687		
ITABASHI, NAO	3,223,900	TAMSE, ANISH	3,223,782		
JEONG, SEUNGSOO	3,223,782	TERMIR, INC.	3,223,709		